



ANALYTICAL REPORT

PREPARED FOR

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Generated 12/13/2024

JOB DESCRIPTION

fYNOP Monthly Surface Water

JOB NUMBER

410-198585-1

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
12/13/2024

Authorized for release by
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Definitions/Glossary

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

Job ID: 410-198585-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
^c	CCV Recovery is outside acceptance limits.
cn	Refer to Case Narrative for further detail
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Job Narrative
410-198585-1

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

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

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

Receipt

The samples were received on 11/27/2024 12:45 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.8°C.

GC/MS VOA

Method 8260D_LL: The continuing calibration verification (CCV) associated with batch 410-581872 recovered above the upper control limit for Carbon tetrachloride. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260D_LL: Reanalysis of the following samples were performed outside of the analytical holding time : HD-COD-SW-17-0/1-0 (410-198585-8) and HD-QC1-0/1-1 (410-198585-13).

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 Surface Water

Job ID: 410-198585-1

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

Lab Sample ID: 410-198585-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.4		5.0	1.5	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.095	J	0.50	0.080	ug/L	1		8260D	Total/NA
Trichloroethene	0.18	J	0.50	0.080	ug/L	1		8260D	Total/NA

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

Lab Sample ID: 410-198585-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	14		5.0	1.5	ug/L	1		8260D	Total/NA
Carbon disulfide	0.16	J	1.0	0.10	ug/L	1		8260D	Total/NA
Chloroform	0.18	J	0.50	0.090	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.22	J	0.50	0.080	ug/L	1		8260D	Total/NA
Trichloroethene	0.42	J	0.50	0.080	ug/L	1		8260D	Total/NA

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

Lab Sample ID: 410-198585-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	0.14	J	0.50	0.080	ug/L	1		8260D	Total/NA
Acetone	15		5.0	1.5	ug/L	1		8260D	Total/NA
Carbon disulfide	0.14	J	1.0	0.10	ug/L	1		8260D	Total/NA
Chloroform	0.13	J	0.50	0.090	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.23	J	0.50	0.080	ug/L	1		8260D	Total/NA
Tetrachloroethene	1.7		0.50	0.20	ug/L	1		8260D	Total/NA
Trichloroethene	0.41	J	0.50	0.080	ug/L	1		8260D	Total/NA

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

Lab Sample ID: 410-198585-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	7.8		5.0	1.5	ug/L	1		8260D	Total/NA
Carbon disulfide	0.11	J	1.0	0.10	ug/L	1		8260D	Total/NA
Chloroform	0.14	J	0.50	0.090	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.17	J	0.50	0.080	ug/L	1		8260D	Total/NA
Tetrachloroethene	0.25	J	0.50	0.20	ug/L	1		8260D	Total/NA
Trichloroethene	0.24	J	0.50	0.080	ug/L	1		8260D	Total/NA

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

Lab Sample ID: 410-198585-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	0.17	J	0.50	0.080	ug/L	1		8260D	Total/NA
Acetone	13		5.0	1.5	ug/L	1		8260D	Total/NA
Carbon disulfide	0.14	J	1.0	0.10	ug/L	1		8260D	Total/NA
Chloroform	0.13	J	0.50	0.090	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.28	J	0.50	0.080	ug/L	1		8260D	Total/NA
Tetrachloroethene	2.2		0.50	0.20	ug/L	1		8260D	Total/NA
Trichloroethene	0.39	J	0.50	0.080	ug/L	1		8260D	Total/NA

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

Lab Sample ID: 410-198585-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	0.34	J	0.50	0.080	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	0.11	J	0.50	0.10	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	0.19	J	0.50	0.10	ug/L	1		8260D	Total/NA
Chloroform	0.17	J	0.50	0.090	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	1.4		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 Surface Water

Job ID: 410-198585-1

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

Lab Sample ID: 410-198585-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	5.6		0.50	0.20	ug/L	1		8260D	Total/NA
Trichloroethene	1.2		0.50	0.080	ug/L	1		8260D	Total/NA

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

Lab Sample ID: 410-198585-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	0.17	J	0.50	0.080	ug/L	1		8260D	Total/NA
Acetone	15		5.0	1.5	ug/L	1		8260D	Total/NA
Chloroform	0.11	J	0.50	0.090	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.22	J	0.50	0.080	ug/L	1		8260D	Total/NA
Tetrachloroethene	2.7		0.50	0.20	ug/L	1		8260D	Total/NA
Trichloroethene	0.37	J	0.50	0.080	ug/L	1		8260D	Total/NA

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

Lab Sample ID: 410-198585-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	14		0.50	0.080	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	2.3		0.50	0.10	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	1.1		0.50	0.10	ug/L	1		8260D	Total/NA
Chloroform	0.18	J	0.50	0.090	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	3.4		0.50	0.080	ug/L	1		8260D	Total/NA
Trichloroethene	7.0		0.50	0.080	ug/L	1		8260D	Total/NA
Tetrachloroethene - DL	180	H cn	5.0	2.0	ug/L	10		8260D	Total/NA

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

Lab Sample ID: 410-198585-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	0.12	J	0.50	0.10	ug/L	1		8260D	Total/NA
Chloroform	0.78		0.50	0.090	ug/L	1		8260D	Total/NA
Tetrachloroethene	3.9		0.50	0.20	ug/L	1		8260D	Total/NA
Trichloroethene	0.15	J	0.50	0.080	ug/L	1		8260D	Total/NA

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

Lab Sample ID: 410-198585-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	10		5.0	1.5	ug/L	1		8260D	Total/NA
Carbon disulfide	0.16	J	1.0	0.10	ug/L	1		8260D	Total/NA
Chloroform	0.30	J	0.50	0.090	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.17	J	0.50	0.080	ug/L	1		8260D	Total/NA
Tetrachloroethene	0.23	J	0.50	0.20	ug/L	1		8260D	Total/NA
Trichloroethene	0.26	J	0.50	0.080	ug/L	1		8260D	Total/NA

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

Lab Sample ID: 410-198585-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	9.4		5.0	1.5	ug/L	1		8260D	Total/NA
Chloroform	0.12	J	0.50	0.090	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.15	J	0.50	0.080	ug/L	1		8260D	Total/NA
Tetrachloroethene	0.26	J	0.50	0.20	ug/L	1		8260D	Total/NA
Trichloroethene	0.22	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 Surface Water

Job ID: 410-198585-1

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

Lab Sample ID: 410-198585-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	19		5.0	1.5	ug/L	1		8260D	Total/NA
Chloroform	0.12	J	0.50	0.090	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.20	J	0.50	0.080	ug/L	1		8260D	Total/NA
Tetrachloroethene	0.92		0.50	0.20	ug/L	1		8260D	Total/NA
Trichloroethene	0.33	J	0.50	0.080	ug/L	1		8260D	Total/NA

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

Lab Sample ID: 410-198585-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	13		0.50	0.080	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	2.1		0.50	0.10	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	1.1		0.50	0.10	ug/L	1		8260D	Total/NA
Chloroform	0.16	J	0.50	0.090	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	3.1		0.50	0.080	ug/L	1		8260D	Total/NA
Trichloroethene	6.6		0.50	0.080	ug/L	1		8260D	Total/NA
Tetrachloroethene - DL	180	H cn	5.0	2.0	ug/L	10		8260D	Total/NA

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

Lab Sample ID: 410-198585-14

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample Results

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

Job ID: 410-198585-1

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

Lab Sample ID: 410-198585-1

Date Collected: 11/25/24 10:35

Matrix: Water

Date Received: 11/27/24 12:45

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			12/04/24 16:54	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			12/04/24 16:54	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			12/04/24 16:54	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			12/04/24 16:54	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			12/04/24 16:54	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			12/04/24 16:54	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			12/04/24 16:54	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			12/04/24 16:54	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			12/04/24 16:54	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			12/04/24 16:54	1
2-Hexanone	ND		5.0	2.0	ug/L			12/04/24 16:54	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			12/04/24 16:54	1
Acetone	5.4		5.0	1.5	ug/L			12/04/24 16:54	1
Benzene	ND		0.50	0.10	ug/L			12/04/24 16:54	1
Bromochloromethane	ND		0.50	0.080	ug/L			12/04/24 16:54	1
Bromodichloromethane	ND		0.50	0.080	ug/L			12/04/24 16:54	1
Bromoform	ND		1.0	0.30	ug/L			12/04/24 16:54	1
Bromomethane	ND		0.50	0.10	ug/L			12/04/24 16:54	1
Carbon disulfide	ND		1.0	0.10	ug/L			12/04/24 16:54	1
Carbon tetrachloride	ND	^c cn	0.50	0.10	ug/L			12/04/24 16:54	1
Chlorobenzene	ND		0.50	0.070	ug/L			12/04/24 16:54	1
Chloroethane	ND		0.50	0.10	ug/L			12/04/24 16:54	1
Chloroform	ND		0.50	0.090	ug/L			12/04/24 16:54	1
Chloromethane	ND		0.50	0.10	ug/L			12/04/24 16:54	1
cis-1,2-Dichloroethene	0.095	J	0.50	0.080	ug/L			12/04/24 16:54	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			12/04/24 16:54	1
Dibromochloromethane	ND		0.50	0.080	ug/L			12/04/24 16:54	1
Ethylbenzene	ND		0.50	0.080	ug/L			12/04/24 16:54	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			12/04/24 16:54	1
Methylene Chloride	ND		0.50	0.20	ug/L			12/04/24 16:54	1
Styrene	ND		0.50	0.070	ug/L			12/04/24 16:54	1
Tetrachloroethene	ND		0.50	0.20	ug/L			12/04/24 16:54	1
Toluene	ND		0.50	0.080	ug/L			12/04/24 16:54	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			12/04/24 16:54	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			12/04/24 16:54	1
Trichloroethene	0.18	J	0.50	0.080	ug/L			12/04/24 16:54	1
Vinyl chloride	ND		0.50	0.10	ug/L			12/04/24 16:54	1
Xylenes, Total	ND		1.0	0.070	ug/L			12/04/24 16:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		80 - 120		12/04/24 16:54	1
4-Bromofluorobenzene (Surr)	102		80 - 120		12/04/24 16:54	1
Dibromofluoromethane (Surr)	106		80 - 120		12/04/24 16:54	1
Toluene-d8 (Surr)	94		80 - 120		12/04/24 16:54	1

Client Sample Results

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

Job ID: 410-198585-1

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

Lab Sample ID: 410-198585-2

Date Collected: 11/25/24 11:15

Matrix: Water

Date Received: 11/27/24 12:45

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			12/04/24 17:15	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			12/04/24 17:15	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			12/04/24 17:15	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			12/04/24 17:15	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			12/04/24 17:15	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			12/04/24 17:15	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			12/04/24 17:15	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			12/04/24 17:15	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			12/04/24 17:15	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			12/04/24 17:15	1
2-Hexanone	ND		5.0	2.0	ug/L			12/04/24 17:15	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			12/04/24 17:15	1
Acetone	14		5.0	1.5	ug/L			12/04/24 17:15	1
Benzene	ND		0.50	0.10	ug/L			12/04/24 17:15	1
Bromochloromethane	ND		0.50	0.080	ug/L			12/04/24 17:15	1
Bromodichloromethane	ND		0.50	0.080	ug/L			12/04/24 17:15	1
Bromoform	ND		1.0	0.30	ug/L			12/04/24 17:15	1
Bromomethane	ND		0.50	0.10	ug/L			12/04/24 17:15	1
Carbon disulfide	0.16	J	1.0	0.10	ug/L			12/04/24 17:15	1
Carbon tetrachloride	ND	^c cn	0.50	0.10	ug/L			12/04/24 17:15	1
Chlorobenzene	ND		0.50	0.070	ug/L			12/04/24 17:15	1
Chloroethane	ND		0.50	0.10	ug/L			12/04/24 17:15	1
Chloroform	0.18	J	0.50	0.090	ug/L			12/04/24 17:15	1
Chloromethane	ND		0.50	0.10	ug/L			12/04/24 17:15	1
cis-1,2-Dichloroethene	0.22	J	0.50	0.080	ug/L			12/04/24 17:15	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			12/04/24 17:15	1
Dibromochloromethane	ND		0.50	0.080	ug/L			12/04/24 17:15	1
Ethylbenzene	ND		0.50	0.080	ug/L			12/04/24 17:15	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			12/04/24 17:15	1
Methylene Chloride	ND		0.50	0.20	ug/L			12/04/24 17:15	1
Styrene	ND		0.50	0.070	ug/L			12/04/24 17:15	1
Tetrachloroethene	ND		0.50	0.20	ug/L			12/04/24 17:15	1
Toluene	ND		0.50	0.080	ug/L			12/04/24 17:15	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			12/04/24 17:15	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			12/04/24 17:15	1
Trichloroethene	0.42	J	0.50	0.080	ug/L			12/04/24 17:15	1
Vinyl chloride	ND		0.50	0.10	ug/L			12/04/24 17:15	1
Xylenes, Total	ND		1.0	0.070	ug/L			12/04/24 17:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		80 - 120		12/04/24 17:15	1
4-Bromofluorobenzene (Surr)	103		80 - 120		12/04/24 17:15	1
Dibromofluoromethane (Surr)	106		80 - 120		12/04/24 17:15	1
Toluene-d8 (Surr)	94		80 - 120		12/04/24 17:15	1

Client Sample Results

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

Job ID: 410-198585-1

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

Lab Sample ID: 410-198585-3

Date Collected: 11/25/24 09:27

Matrix: Water

Date Received: 11/27/24 12:45

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			12/04/24 17:36	1
1,1,1-Trichloroethane	0.14	J	0.50	0.080	ug/L			12/04/24 17:36	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			12/04/24 17:36	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			12/04/24 17:36	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			12/04/24 17:36	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			12/04/24 17:36	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			12/04/24 17:36	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			12/04/24 17:36	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			12/04/24 17:36	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			12/04/24 17:36	1
2-Hexanone	ND		5.0	2.0	ug/L			12/04/24 17:36	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			12/04/24 17:36	1
Acetone	15		5.0	1.5	ug/L			12/04/24 17:36	1
Benzene	ND		0.50	0.10	ug/L			12/04/24 17:36	1
Bromochloromethane	ND		0.50	0.080	ug/L			12/04/24 17:36	1
Bromodichloromethane	ND		0.50	0.080	ug/L			12/04/24 17:36	1
Bromoform	ND		1.0	0.30	ug/L			12/04/24 17:36	1
Bromomethane	ND		0.50	0.10	ug/L			12/04/24 17:36	1
Carbon disulfide	0.14	J	1.0	0.10	ug/L			12/04/24 17:36	1
Carbon tetrachloride	ND	^c cn	0.50	0.10	ug/L			12/04/24 17:36	1
Chlorobenzene	ND		0.50	0.070	ug/L			12/04/24 17:36	1
Chloroethane	ND		0.50	0.10	ug/L			12/04/24 17:36	1
Chloroform	0.13	J	0.50	0.090	ug/L			12/04/24 17:36	1
Chloromethane	ND		0.50	0.10	ug/L			12/04/24 17:36	1
cis-1,2-Dichloroethene	0.23	J	0.50	0.080	ug/L			12/04/24 17:36	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			12/04/24 17:36	1
Dibromochloromethane	ND		0.50	0.080	ug/L			12/04/24 17:36	1
Ethylbenzene	ND		0.50	0.080	ug/L			12/04/24 17:36	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			12/04/24 17:36	1
Methylene Chloride	ND		0.50	0.20	ug/L			12/04/24 17:36	1
Styrene	ND		0.50	0.070	ug/L			12/04/24 17:36	1
Tetrachloroethene	1.7		0.50	0.20	ug/L			12/04/24 17:36	1
Toluene	ND		0.50	0.080	ug/L			12/04/24 17:36	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			12/04/24 17:36	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			12/04/24 17:36	1
Trichloroethene	0.41	J	0.50	0.080	ug/L			12/04/24 17:36	1
Vinyl chloride	ND		0.50	0.10	ug/L			12/04/24 17:36	1
Xylenes, Total	ND		1.0	0.070	ug/L			12/04/24 17:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		80 - 120		12/04/24 17:36	1
4-Bromofluorobenzene (Surr)	103		80 - 120		12/04/24 17:36	1
Dibromofluoromethane (Surr)	106		80 - 120		12/04/24 17:36	1
Toluene-d8 (Surr)	94		80 - 120		12/04/24 17:36	1

Client Sample Results

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

Job ID: 410-198585-1

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

Lab Sample ID: 410-198585-4

Date Collected: 11/25/24 12:29

Matrix: Water

Date Received: 11/27/24 12:45

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			12/04/24 17:57	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			12/04/24 17:57	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			12/04/24 17:57	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			12/04/24 17:57	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			12/04/24 17:57	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			12/04/24 17:57	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			12/04/24 17:57	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			12/04/24 17:57	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			12/04/24 17:57	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			12/04/24 17:57	1
2-Hexanone	ND		5.0	2.0	ug/L			12/04/24 17:57	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			12/04/24 17:57	1
Acetone	7.8		5.0	1.5	ug/L			12/04/24 17:57	1
Benzene	ND		0.50	0.10	ug/L			12/04/24 17:57	1
Bromochloromethane	ND		0.50	0.080	ug/L			12/04/24 17:57	1
Bromodichloromethane	ND		0.50	0.080	ug/L			12/04/24 17:57	1
Bromoform	ND		1.0	0.30	ug/L			12/04/24 17:57	1
Bromomethane	ND		0.50	0.10	ug/L			12/04/24 17:57	1
Carbon disulfide	0.11	J	1.0	0.10	ug/L			12/04/24 17:57	1
Carbon tetrachloride	ND	^c cn	0.50	0.10	ug/L			12/04/24 17:57	1
Chlorobenzene	ND		0.50	0.070	ug/L			12/04/24 17:57	1
Chloroethane	ND		0.50	0.10	ug/L			12/04/24 17:57	1
Chloroform	0.14	J	0.50	0.090	ug/L			12/04/24 17:57	1
Chloromethane	ND		0.50	0.10	ug/L			12/04/24 17:57	1
cis-1,2-Dichloroethene	0.17	J	0.50	0.080	ug/L			12/04/24 17:57	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			12/04/24 17:57	1
Dibromochloromethane	ND		0.50	0.080	ug/L			12/04/24 17:57	1
Ethylbenzene	ND		0.50	0.080	ug/L			12/04/24 17:57	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			12/04/24 17:57	1
Methylene Chloride	ND		0.50	0.20	ug/L			12/04/24 17:57	1
Styrene	ND		0.50	0.070	ug/L			12/04/24 17:57	1
Tetrachloroethene	0.25	J	0.50	0.20	ug/L			12/04/24 17:57	1
Toluene	ND		0.50	0.080	ug/L			12/04/24 17:57	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			12/04/24 17:57	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			12/04/24 17:57	1
Trichloroethene	0.24	J	0.50	0.080	ug/L			12/04/24 17:57	1
Vinyl chloride	ND		0.50	0.10	ug/L			12/04/24 17:57	1
Xylenes, Total	ND		1.0	0.070	ug/L			12/04/24 17:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		80 - 120		12/04/24 17:57	1
4-Bromofluorobenzene (Surr)	102		80 - 120		12/04/24 17:57	1
Dibromofluoromethane (Surr)	108		80 - 120		12/04/24 17:57	1
Toluene-d8 (Surr)	94		80 - 120		12/04/24 17:57	1

Client Sample Results

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

Job ID: 410-198585-1

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

Lab Sample ID: 410-198585-5

Date Collected: 11/25/24 09:40

Matrix: Water

Date Received: 11/27/24 12:45

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			12/04/24 18:18	1
1,1,1-Trichloroethane	0.17	J	0.50	0.080	ug/L			12/04/24 18:18	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			12/04/24 18:18	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			12/04/24 18:18	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			12/04/24 18:18	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			12/04/24 18:18	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			12/04/24 18:18	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			12/04/24 18:18	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			12/04/24 18:18	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			12/04/24 18:18	1
2-Hexanone	ND		5.0	2.0	ug/L			12/04/24 18:18	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			12/04/24 18:18	1
Acetone	13		5.0	1.5	ug/L			12/04/24 18:18	1
Benzene	ND		0.50	0.10	ug/L			12/04/24 18:18	1
Bromochloromethane	ND		0.50	0.080	ug/L			12/04/24 18:18	1
Bromodichloromethane	ND		0.50	0.080	ug/L			12/04/24 18:18	1
Bromoform	ND		1.0	0.30	ug/L			12/04/24 18:18	1
Bromomethane	ND		0.50	0.10	ug/L			12/04/24 18:18	1
Carbon disulfide	0.14	J	1.0	0.10	ug/L			12/04/24 18:18	1
Carbon tetrachloride	ND	^c cn	0.50	0.10	ug/L			12/04/24 18:18	1
Chlorobenzene	ND		0.50	0.070	ug/L			12/04/24 18:18	1
Chloroethane	ND		0.50	0.10	ug/L			12/04/24 18:18	1
Chloroform	0.13	J	0.50	0.090	ug/L			12/04/24 18:18	1
Chloromethane	ND		0.50	0.10	ug/L			12/04/24 18:18	1
cis-1,2-Dichloroethene	0.28	J	0.50	0.080	ug/L			12/04/24 18:18	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			12/04/24 18:18	1
Dibromochloromethane	ND		0.50	0.080	ug/L			12/04/24 18:18	1
Ethylbenzene	ND		0.50	0.080	ug/L			12/04/24 18:18	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			12/04/24 18:18	1
Methylene Chloride	ND		0.50	0.20	ug/L			12/04/24 18:18	1
Styrene	ND		0.50	0.070	ug/L			12/04/24 18:18	1
Tetrachloroethene	2.2		0.50	0.20	ug/L			12/04/24 18:18	1
Toluene	ND		0.50	0.080	ug/L			12/04/24 18:18	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			12/04/24 18:18	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			12/04/24 18:18	1
Trichloroethene	0.39	J	0.50	0.080	ug/L			12/04/24 18:18	1
Vinyl chloride	ND		0.50	0.10	ug/L			12/04/24 18:18	1
Xylenes, Total	ND		1.0	0.070	ug/L			12/04/24 18:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		80 - 120		12/04/24 18:18	1
4-Bromofluorobenzene (Surr)	102		80 - 120		12/04/24 18:18	1
Dibromofluoromethane (Surr)	109		80 - 120		12/04/24 18:18	1
Toluene-d8 (Surr)	94		80 - 120		12/04/24 18:18	1

Client Sample Results

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

Job ID: 410-198585-1

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

Lab Sample ID: 410-198585-6

Date Collected: 11/25/24 11:37

Matrix: Water

Date Received: 11/27/24 12:45

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			12/04/24 18:39	1
1,1,1-Trichloroethane	0.34	J	0.50	0.080	ug/L			12/04/24 18:39	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			12/04/24 18:39	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			12/04/24 18:39	1
1,1-Dichloroethane	0.11	J	0.50	0.10	ug/L			12/04/24 18:39	1
1,1-Dichloroethene	0.19	J	0.50	0.10	ug/L			12/04/24 18:39	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			12/04/24 18:39	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			12/04/24 18:39	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			12/04/24 18:39	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			12/04/24 18:39	1
2-Hexanone	ND		5.0	2.0	ug/L			12/04/24 18:39	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			12/04/24 18:39	1
Acetone	ND		5.0	1.5	ug/L			12/04/24 18:39	1
Benzene	ND		0.50	0.10	ug/L			12/04/24 18:39	1
Bromochloromethane	ND		0.50	0.080	ug/L			12/04/24 18:39	1
Bromodichloromethane	ND		0.50	0.080	ug/L			12/04/24 18:39	1
Bromoform	ND		1.0	0.30	ug/L			12/04/24 18:39	1
Bromomethane	ND		0.50	0.10	ug/L			12/04/24 18:39	1
Carbon disulfide	ND		1.0	0.10	ug/L			12/04/24 18:39	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			12/04/24 18:39	1
Chlorobenzene	ND		0.50	0.070	ug/L			12/04/24 18:39	1
Chloroethane	ND		0.50	0.10	ug/L			12/04/24 18:39	1
Chloroform	0.17	J	0.50	0.090	ug/L			12/04/24 18:39	1
Chloromethane	ND		0.50	0.10	ug/L			12/04/24 18:39	1
cis-1,2-Dichloroethene	1.4		0.50	0.080	ug/L			12/04/24 18:39	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			12/04/24 18:39	1
Dibromochloromethane	ND		0.50	0.080	ug/L			12/04/24 18:39	1
Ethylbenzene	ND		0.50	0.080	ug/L			12/04/24 18:39	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			12/04/24 18:39	1
Methylene Chloride	ND		0.50	0.20	ug/L			12/04/24 18:39	1
Styrene	ND		0.50	0.070	ug/L			12/04/24 18:39	1
Tetrachloroethene	5.6		0.50	0.20	ug/L			12/04/24 18:39	1
Toluene	ND		0.50	0.080	ug/L			12/04/24 18:39	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			12/04/24 18:39	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			12/04/24 18:39	1
Trichloroethene	1.2		0.50	0.080	ug/L			12/04/24 18:39	1
Vinyl chloride	ND		0.50	0.10	ug/L			12/04/24 18:39	1
Xylenes, Total	ND		1.0	0.070	ug/L			12/04/24 18:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		80 - 120		12/04/24 18:39	1
4-Bromofluorobenzene (Surr)	96		80 - 120		12/04/24 18:39	1
Dibromofluoromethane (Surr)	100		80 - 120		12/04/24 18:39	1
Toluene-d8 (Surr)	97		80 - 120		12/04/24 18:39	1

Client Sample Results

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

Job ID: 410-198585-1

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

Lab Sample ID: 410-198585-7

Date Collected: 11/25/24 10:00

Matrix: Water

Date Received: 11/27/24 12:45

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			12/04/24 16:05	1
1,1,1-Trichloroethane	0.17	J	0.50	0.080	ug/L			12/04/24 16:05	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			12/04/24 16:05	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			12/04/24 16:05	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			12/04/24 16:05	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			12/04/24 16:05	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			12/04/24 16:05	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			12/04/24 16:05	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			12/04/24 16:05	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			12/04/24 16:05	1
2-Hexanone	ND		5.0	2.0	ug/L			12/04/24 16:05	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			12/04/24 16:05	1
Acetone	15		5.0	1.5	ug/L			12/04/24 16:05	1
Benzene	ND		0.50	0.10	ug/L			12/04/24 16:05	1
Bromochloromethane	ND		0.50	0.080	ug/L			12/04/24 16:05	1
Bromodichloromethane	ND		0.50	0.080	ug/L			12/04/24 16:05	1
Bromoform	ND		1.0	0.30	ug/L			12/04/24 16:05	1
Bromomethane	ND		0.50	0.10	ug/L			12/04/24 16:05	1
Carbon disulfide	ND		1.0	0.10	ug/L			12/04/24 16:05	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			12/04/24 16:05	1
Chlorobenzene	ND		0.50	0.070	ug/L			12/04/24 16:05	1
Chloroethane	ND		0.50	0.10	ug/L			12/04/24 16:05	1
Chloroform	0.11	J	0.50	0.090	ug/L			12/04/24 16:05	1
Chloromethane	ND		0.50	0.10	ug/L			12/04/24 16:05	1
cis-1,2-Dichloroethene	0.22	J	0.50	0.080	ug/L			12/04/24 16:05	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			12/04/24 16:05	1
Dibromochloromethane	ND		0.50	0.080	ug/L			12/04/24 16:05	1
Ethylbenzene	ND		0.50	0.080	ug/L			12/04/24 16:05	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			12/04/24 16:05	1
Methylene Chloride	ND		0.50	0.20	ug/L			12/04/24 16:05	1
Styrene	ND		0.50	0.070	ug/L			12/04/24 16:05	1
Tetrachloroethene	2.7		0.50	0.20	ug/L			12/04/24 16:05	1
Toluene	ND		0.50	0.080	ug/L			12/04/24 16:05	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			12/04/24 16:05	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			12/04/24 16:05	1
Trichloroethene	0.37	J	0.50	0.080	ug/L			12/04/24 16:05	1
Vinyl chloride	ND		0.50	0.10	ug/L			12/04/24 16:05	1
Xylenes, Total	ND		1.0	0.070	ug/L			12/04/24 16:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		80 - 120		12/04/24 16:05	1
4-Bromofluorobenzene (Surr)	99		80 - 120		12/04/24 16:05	1
Dibromofluoromethane (Surr)	100		80 - 120		12/04/24 16:05	1
Toluene-d8 (Surr)	99		80 - 120		12/04/24 16:05	1

Client Sample Results

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

Job ID: 410-198585-1

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

Lab Sample ID: 410-198585-8

Date Collected: 11/25/24 10:15

Matrix: Water

Date Received: 11/27/24 12:45

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			12/04/24 16:27	1
1,1,1-Trichloroethane	14		0.50	0.080	ug/L			12/04/24 16:27	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			12/04/24 16:27	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			12/04/24 16:27	1
1,1-Dichloroethane	2.3		0.50	0.10	ug/L			12/04/24 16:27	1
1,1-Dichloroethene	1.1		0.50	0.10	ug/L			12/04/24 16:27	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			12/04/24 16:27	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			12/04/24 16:27	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			12/04/24 16:27	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			12/04/24 16:27	1
2-Hexanone	ND		5.0	2.0	ug/L			12/04/24 16:27	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			12/04/24 16:27	1
Acetone	ND		5.0	1.5	ug/L			12/04/24 16:27	1
Benzene	ND		0.50	0.10	ug/L			12/04/24 16:27	1
Bromochloromethane	ND		0.50	0.080	ug/L			12/04/24 16:27	1
Bromodichloromethane	ND		0.50	0.080	ug/L			12/04/24 16:27	1
Bromoform	ND		1.0	0.30	ug/L			12/04/24 16:27	1
Bromomethane	ND		0.50	0.10	ug/L			12/04/24 16:27	1
Carbon disulfide	ND		1.0	0.10	ug/L			12/04/24 16:27	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			12/04/24 16:27	1
Chlorobenzene	ND		0.50	0.070	ug/L			12/04/24 16:27	1
Chloroethane	ND		0.50	0.10	ug/L			12/04/24 16:27	1
Chloroform	0.18	J	0.50	0.090	ug/L			12/04/24 16:27	1
Chloromethane	ND		0.50	0.10	ug/L			12/04/24 16:27	1
cis-1,2-Dichloroethene	3.4		0.50	0.080	ug/L			12/04/24 16:27	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			12/04/24 16:27	1
Dibromochloromethane	ND		0.50	0.080	ug/L			12/04/24 16:27	1
Ethylbenzene	ND		0.50	0.080	ug/L			12/04/24 16:27	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			12/04/24 16:27	1
Methylene Chloride	ND		0.50	0.20	ug/L			12/04/24 16:27	1
Styrene	ND		0.50	0.070	ug/L			12/04/24 16:27	1
Toluene	ND		0.50	0.080	ug/L			12/04/24 16:27	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			12/04/24 16:27	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			12/04/24 16:27	1
Trichloroethene	7.0		0.50	0.080	ug/L			12/04/24 16:27	1
Vinyl chloride	ND		0.50	0.10	ug/L			12/04/24 16:27	1
Xylenes, Total	ND		1.0	0.070	ug/L			12/04/24 16:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		80 - 120		12/04/24 16:27	1
4-Bromofluorobenzene (Surr)	97		80 - 120		12/04/24 16:27	1
Dibromofluoromethane (Surr)	101		80 - 120		12/04/24 16:27	1
Toluene-d8 (Surr)	100		80 - 120		12/04/24 16:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	180	H cn	5.0	2.0	ug/L			12/10/24 13:59	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98	cn	80 - 120		12/10/24 13:59	10

Client Sample Results

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

Job ID: 410-198585-1

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

Lab Sample ID: 410-198585-8

Date Collected: 11/25/24 10:15

Matrix: Water

Date Received: 11/27/24 12:45

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98	cn	80 - 120		12/10/24 13:59	10
Dibromofluoromethane (Surr)	104	cn	80 - 120		12/10/24 13:59	10
Toluene-d8 (Surr)	97	cn	80 - 120		12/10/24 13:59	10

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

Lab Sample ID: 410-198585-9

Date Collected: 11/25/24 11:00

Matrix: Water

Date Received: 11/27/24 12:45

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			12/04/24 16:49	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			12/04/24 16:49	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			12/04/24 16:49	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			12/04/24 16:49	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			12/04/24 16:49	1
1,1-Dichloroethene	0.12	J	0.50	0.10	ug/L			12/04/24 16:49	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			12/04/24 16:49	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			12/04/24 16:49	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			12/04/24 16:49	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			12/04/24 16:49	1
2-Hexanone	ND		5.0	2.0	ug/L			12/04/24 16:49	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			12/04/24 16:49	1
Acetone	ND		5.0	1.5	ug/L			12/04/24 16:49	1
Benzene	ND		0.50	0.10	ug/L			12/04/24 16:49	1
Bromochloromethane	ND		0.50	0.080	ug/L			12/04/24 16:49	1
Bromodichloromethane	ND		0.50	0.080	ug/L			12/04/24 16:49	1
Bromoform	ND		1.0	0.30	ug/L			12/04/24 16:49	1
Bromomethane	ND		0.50	0.10	ug/L			12/04/24 16:49	1
Carbon disulfide	ND		1.0	0.10	ug/L			12/04/24 16:49	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			12/04/24 16:49	1
Chlorobenzene	ND		0.50	0.070	ug/L			12/04/24 16:49	1
Chloroethane	ND		0.50	0.10	ug/L			12/04/24 16:49	1
Chloroform	0.78		0.50	0.090	ug/L			12/04/24 16:49	1
Chloromethane	ND		0.50	0.10	ug/L			12/04/24 16:49	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			12/04/24 16:49	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			12/04/24 16:49	1
Dibromochloromethane	ND		0.50	0.080	ug/L			12/04/24 16:49	1
Ethylbenzene	ND		0.50	0.080	ug/L			12/04/24 16:49	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			12/04/24 16:49	1
Methylene Chloride	ND		0.50	0.20	ug/L			12/04/24 16:49	1
Styrene	ND		0.50	0.070	ug/L			12/04/24 16:49	1
Tetrachloroethene	3.9		0.50	0.20	ug/L			12/04/24 16:49	1
Toluene	ND		0.50	0.080	ug/L			12/04/24 16:49	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			12/04/24 16:49	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			12/04/24 16:49	1
Trichloroethene	0.15	J	0.50	0.080	ug/L			12/04/24 16:49	1
Vinyl chloride	ND		0.50	0.10	ug/L			12/04/24 16:49	1
Xylenes, Total	ND		1.0	0.070	ug/L			12/04/24 16:49	1

Client Sample Results

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

Job ID: 410-198585-1

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

Lab Sample ID: 410-198585-9

Date Collected: 11/25/24 11:00

Matrix: Water

Date Received: 11/27/24 12:45

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		80 - 120		12/04/24 16:49	1
4-Bromofluorobenzene (Surr)	96		80 - 120		12/04/24 16:49	1
Dibromofluoromethane (Surr)	102		80 - 120		12/04/24 16:49	1
Toluene-d8 (Surr)	97		80 - 120		12/04/24 16:49	1

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

Lab Sample ID: 410-198585-10

Date Collected: 11/25/24 11:29

Matrix: Water

Date Received: 11/27/24 12:45

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			12/04/24 17:11	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			12/04/24 17:11	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			12/04/24 17:11	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			12/04/24 17:11	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			12/04/24 17:11	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			12/04/24 17:11	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			12/04/24 17:11	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			12/04/24 17:11	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			12/04/24 17:11	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			12/04/24 17:11	1
2-Hexanone	ND		5.0	2.0	ug/L			12/04/24 17:11	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			12/04/24 17:11	1
Acetone	10		5.0	1.5	ug/L			12/04/24 17:11	1
Benzene	ND		0.50	0.10	ug/L			12/04/24 17:11	1
Bromochloromethane	ND		0.50	0.080	ug/L			12/04/24 17:11	1
Bromodichloromethane	ND		0.50	0.080	ug/L			12/04/24 17:11	1
Bromoform	ND		1.0	0.30	ug/L			12/04/24 17:11	1
Bromomethane	ND		0.50	0.10	ug/L			12/04/24 17:11	1
Carbon disulfide	0.16	J	1.0	0.10	ug/L			12/04/24 17:11	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			12/04/24 17:11	1
Chlorobenzene	ND		0.50	0.070	ug/L			12/04/24 17:11	1
Chloroethane	ND		0.50	0.10	ug/L			12/04/24 17:11	1
Chloroform	0.30	J	0.50	0.090	ug/L			12/04/24 17:11	1
Chloromethane	ND		0.50	0.10	ug/L			12/04/24 17:11	1
cis-1,2-Dichloroethene	0.17	J	0.50	0.080	ug/L			12/04/24 17:11	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			12/04/24 17:11	1
Dibromochloromethane	ND		0.50	0.080	ug/L			12/04/24 17:11	1
Ethylbenzene	ND		0.50	0.080	ug/L			12/04/24 17:11	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			12/04/24 17:11	1
Methylene Chloride	ND		0.50	0.20	ug/L			12/04/24 17:11	1
Styrene	ND		0.50	0.070	ug/L			12/04/24 17:11	1
Tetrachloroethene	0.23	J	0.50	0.20	ug/L			12/04/24 17:11	1
Toluene	ND		0.50	0.080	ug/L			12/04/24 17:11	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			12/04/24 17:11	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			12/04/24 17:11	1
Trichloroethene	0.26	J	0.50	0.080	ug/L			12/04/24 17:11	1
Vinyl chloride	ND		0.50	0.10	ug/L			12/04/24 17:11	1
Xylenes, Total	ND		1.0	0.070	ug/L			12/04/24 17:11	1

Client Sample Results

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

Job ID: 410-198585-1

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

Lab Sample ID: 410-198585-10

Date Collected: 11/25/24 11:29

Matrix: Water

Date Received: 11/27/24 12:45

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		80 - 120		12/04/24 17:11	1
4-Bromofluorobenzene (Surr)	96		80 - 120		12/04/24 17:11	1
Dibromofluoromethane (Surr)	101		80 - 120		12/04/24 17:11	1
Toluene-d8 (Surr)	98		80 - 120		12/04/24 17:11	1

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

Lab Sample ID: 410-198585-11

Date Collected: 11/25/24 12:40

Matrix: Water

Date Received: 11/27/24 12:45

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			12/04/24 17:33	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			12/04/24 17:33	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			12/04/24 17:33	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			12/04/24 17:33	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			12/04/24 17:33	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			12/04/24 17:33	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			12/04/24 17:33	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			12/04/24 17:33	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			12/04/24 17:33	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			12/04/24 17:33	1
2-Hexanone	ND		5.0	2.0	ug/L			12/04/24 17:33	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			12/04/24 17:33	1
Acetone	9.4		5.0	1.5	ug/L			12/04/24 17:33	1
Benzene	ND		0.50	0.10	ug/L			12/04/24 17:33	1
Bromochloromethane	ND		0.50	0.080	ug/L			12/04/24 17:33	1
Bromodichloromethane	ND		0.50	0.080	ug/L			12/04/24 17:33	1
Bromoform	ND		1.0	0.30	ug/L			12/04/24 17:33	1
Bromomethane	ND		0.50	0.10	ug/L			12/04/24 17:33	1
Carbon disulfide	ND		1.0	0.10	ug/L			12/04/24 17:33	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			12/04/24 17:33	1
Chlorobenzene	ND		0.50	0.070	ug/L			12/04/24 17:33	1
Chloroethane	ND		0.50	0.10	ug/L			12/04/24 17:33	1
Chloroform	0.12	J	0.50	0.090	ug/L			12/04/24 17:33	1
Chloromethane	ND		0.50	0.10	ug/L			12/04/24 17:33	1
cis-1,2-Dichloroethene	0.15	J	0.50	0.080	ug/L			12/04/24 17:33	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			12/04/24 17:33	1
Dibromochloromethane	ND		0.50	0.080	ug/L			12/04/24 17:33	1
Ethylbenzene	ND		0.50	0.080	ug/L			12/04/24 17:33	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			12/04/24 17:33	1
Methylene Chloride	ND		0.50	0.20	ug/L			12/04/24 17:33	1
Styrene	ND		0.50	0.070	ug/L			12/04/24 17:33	1
Tetrachloroethene	0.26	J	0.50	0.20	ug/L			12/04/24 17:33	1
Toluene	ND		0.50	0.080	ug/L			12/04/24 17:33	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			12/04/24 17:33	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			12/04/24 17:33	1
Trichloroethene	0.22	J	0.50	0.080	ug/L			12/04/24 17:33	1
Vinyl chloride	ND		0.50	0.10	ug/L			12/04/24 17:33	1
Xylenes, Total	ND		1.0	0.070	ug/L			12/04/24 17:33	1

Client Sample Results

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

Job ID: 410-198585-1

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

Lab Sample ID: 410-198585-11

Date Collected: 11/25/24 12:40

Matrix: Water

Date Received: 11/27/24 12:45

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		80 - 120		12/04/24 17:33	1
4-Bromofluorobenzene (Surr)	98		80 - 120		12/04/24 17:33	1
Dibromofluoromethane (Surr)	100		80 - 120		12/04/24 17:33	1
Toluene-d8 (Surr)	98		80 - 120		12/04/24 17:33	1

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

Lab Sample ID: 410-198585-12

Date Collected: 11/25/24 09:10

Matrix: Water

Date Received: 11/27/24 12:45

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			12/04/24 17:55	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			12/04/24 17:55	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			12/04/24 17:55	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			12/04/24 17:55	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			12/04/24 17:55	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			12/04/24 17:55	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			12/04/24 17:55	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			12/04/24 17:55	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			12/04/24 17:55	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			12/04/24 17:55	1
2-Hexanone	ND		5.0	2.0	ug/L			12/04/24 17:55	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			12/04/24 17:55	1
Acetone	19		5.0	1.5	ug/L			12/04/24 17:55	1
Benzene	ND		0.50	0.10	ug/L			12/04/24 17:55	1
Bromochloromethane	ND		0.50	0.080	ug/L			12/04/24 17:55	1
Bromodichloromethane	ND		0.50	0.080	ug/L			12/04/24 17:55	1
Bromoform	ND		1.0	0.30	ug/L			12/04/24 17:55	1
Bromomethane	ND		0.50	0.10	ug/L			12/04/24 17:55	1
Carbon disulfide	ND		1.0	0.10	ug/L			12/04/24 17:55	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			12/04/24 17:55	1
Chlorobenzene	ND		0.50	0.070	ug/L			12/04/24 17:55	1
Chloroethane	ND		0.50	0.10	ug/L			12/04/24 17:55	1
Chloroform	0.12	J	0.50	0.090	ug/L			12/04/24 17:55	1
Chloromethane	ND		0.50	0.10	ug/L			12/04/24 17:55	1
cis-1,2-Dichloroethene	0.20	J	0.50	0.080	ug/L			12/04/24 17:55	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			12/04/24 17:55	1
Dibromochloromethane	ND		0.50	0.080	ug/L			12/04/24 17:55	1
Ethylbenzene	ND		0.50	0.080	ug/L			12/04/24 17:55	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			12/04/24 17:55	1
Methylene Chloride	ND		0.50	0.20	ug/L			12/04/24 17:55	1
Styrene	ND		0.50	0.070	ug/L			12/04/24 17:55	1
Tetrachloroethene	0.92		0.50	0.20	ug/L			12/04/24 17:55	1
Toluene	ND		0.50	0.080	ug/L			12/04/24 17:55	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			12/04/24 17:55	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			12/04/24 17:55	1
Trichloroethene	0.33	J	0.50	0.080	ug/L			12/04/24 17:55	1
Vinyl chloride	ND		0.50	0.10	ug/L			12/04/24 17:55	1
Xylenes, Total	ND		1.0	0.070	ug/L			12/04/24 17:55	1

Client Sample Results

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

Job ID: 410-198585-1

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

Lab Sample ID: 410-198585-12

Date Collected: 11/25/24 09:10

Matrix: Water

Date Received: 11/27/24 12:45

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		80 - 120		12/04/24 17:55	1
4-Bromofluorobenzene (Surr)	96		80 - 120		12/04/24 17:55	1
Dibromofluoromethane (Surr)	100		80 - 120		12/04/24 17:55	1
Toluene-d8 (Surr)	97		80 - 120		12/04/24 17:55	1

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

Lab Sample ID: 410-198585-13

Date Collected: 11/25/24 12:00

Matrix: Water

Date Received: 11/27/24 12:45

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			12/04/24 18:17	1
1,1,1-Trichloroethane	13		0.50	0.080	ug/L			12/04/24 18:17	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			12/04/24 18:17	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			12/04/24 18:17	1
1,1-Dichloroethane	2.1		0.50	0.10	ug/L			12/04/24 18:17	1
1,1-Dichloroethene	1.1		0.50	0.10	ug/L			12/04/24 18:17	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			12/04/24 18:17	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			12/04/24 18:17	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			12/04/24 18:17	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			12/04/24 18:17	1
2-Hexanone	ND		5.0	2.0	ug/L			12/04/24 18:17	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			12/04/24 18:17	1
Acetone	ND		5.0	1.5	ug/L			12/04/24 18:17	1
Benzene	ND		0.50	0.10	ug/L			12/04/24 18:17	1
Bromochloromethane	ND		0.50	0.080	ug/L			12/04/24 18:17	1
Bromodichloromethane	ND		0.50	0.080	ug/L			12/04/24 18:17	1
Bromoform	ND		1.0	0.30	ug/L			12/04/24 18:17	1
Bromomethane	ND		0.50	0.10	ug/L			12/04/24 18:17	1
Carbon disulfide	ND		1.0	0.10	ug/L			12/04/24 18:17	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			12/04/24 18:17	1
Chlorobenzene	ND		0.50	0.070	ug/L			12/04/24 18:17	1
Chloroethane	ND		0.50	0.10	ug/L			12/04/24 18:17	1
Chloroform	0.16	J	0.50	0.090	ug/L			12/04/24 18:17	1
Chloromethane	ND		0.50	0.10	ug/L			12/04/24 18:17	1
cis-1,2-Dichloroethene	3.1		0.50	0.080	ug/L			12/04/24 18:17	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			12/04/24 18:17	1
Dibromochloromethane	ND		0.50	0.080	ug/L			12/04/24 18:17	1
Ethylbenzene	ND		0.50	0.080	ug/L			12/04/24 18:17	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			12/04/24 18:17	1
Methylene Chloride	ND		0.50	0.20	ug/L			12/04/24 18:17	1
Styrene	ND		0.50	0.070	ug/L			12/04/24 18:17	1
Toluene	ND		0.50	0.080	ug/L			12/04/24 18:17	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			12/04/24 18:17	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			12/04/24 18:17	1
Trichloroethene	6.6		0.50	0.080	ug/L			12/04/24 18:17	1
Vinyl chloride	ND		0.50	0.10	ug/L			12/04/24 18:17	1
Xylenes, Total	ND		1.0	0.070	ug/L			12/04/24 18:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		80 - 120		12/04/24 18:17	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

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

Job ID: 410-198585-1

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

Lab Sample ID: 410-198585-13

Date Collected: 11/25/24 12:00

Matrix: Water

Date Received: 11/27/24 12:45

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		80 - 120		12/04/24 18:17	1
Dibromofluoromethane (Surr)	101		80 - 120		12/04/24 18:17	1
Toluene-d8 (Surr)	98		80 - 120		12/04/24 18:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	180	H cn	5.0	2.0	ug/L			12/10/24 14:20	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98	cn	80 - 120		12/10/24 14:20	10
4-Bromofluorobenzene (Surr)	99	cn	80 - 120		12/10/24 14:20	10
Dibromofluoromethane (Surr)	104	cn	80 - 120		12/10/24 14:20	10
Toluene-d8 (Surr)	96	cn	80 - 120		12/10/24 14:20	10

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

Lab Sample ID: 410-198585-14

Date Collected: 11/25/24 00:00

Matrix: Water

Date Received: 11/27/24 12:45

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			12/04/24 14:36	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			12/04/24 14:36	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			12/04/24 14:36	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			12/04/24 14:36	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			12/04/24 14:36	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			12/04/24 14:36	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			12/04/24 14:36	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			12/04/24 14:36	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			12/04/24 14:36	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			12/04/24 14:36	1
2-Hexanone	ND		5.0	2.0	ug/L			12/04/24 14:36	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			12/04/24 14:36	1
Acetone	ND		5.0	1.5	ug/L			12/04/24 14:36	1
Benzene	ND		0.50	0.10	ug/L			12/04/24 14:36	1
Bromochloromethane	ND		0.50	0.080	ug/L			12/04/24 14:36	1
Bromodichloromethane	ND		0.50	0.080	ug/L			12/04/24 14:36	1
Bromoform	ND		1.0	0.30	ug/L			12/04/24 14:36	1
Bromomethane	ND		0.50	0.10	ug/L			12/04/24 14:36	1
Carbon disulfide	ND		1.0	0.10	ug/L			12/04/24 14:36	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			12/04/24 14:36	1
Chlorobenzene	ND		0.50	0.070	ug/L			12/04/24 14:36	1
Chloroethane	ND		0.50	0.10	ug/L			12/04/24 14:36	1
Chloroform	ND		0.50	0.090	ug/L			12/04/24 14:36	1
Chloromethane	ND		0.50	0.10	ug/L			12/04/24 14:36	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			12/04/24 14:36	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			12/04/24 14:36	1
Dibromochloromethane	ND		0.50	0.080	ug/L			12/04/24 14:36	1
Ethylbenzene	ND		0.50	0.080	ug/L			12/04/24 14:36	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			12/04/24 14:36	1
Methylene Chloride	ND		0.50	0.20	ug/L			12/04/24 14:36	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

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

Job ID: 410-198585-1

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

Lab Sample ID: 410-198585-14

Date Collected: 11/25/24 00:00

Matrix: Water

Date Received: 11/27/24 12:45

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			12/04/24 14:36	1
Tetrachloroethene	ND		0.50	0.20	ug/L			12/04/24 14:36	1
Toluene	ND		0.50	0.080	ug/L			12/04/24 14:36	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			12/04/24 14:36	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			12/04/24 14:36	1
Trichloroethene	ND		0.50	0.080	ug/L			12/04/24 14:36	1
Vinyl chloride	ND		0.50	0.10	ug/L			12/04/24 14:36	1
Xylenes, Total	ND		1.0	0.070	ug/L			12/04/24 14:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		80 - 120		12/04/24 14:36	1
4-Bromofluorobenzene (Surr)	98		80 - 120		12/04/24 14:36	1
Dibromofluoromethane (Surr)	99		80 - 120		12/04/24 14:36	1
Toluene-d8 (Surr)	99		80 - 120		12/04/24 14:36	1

Default Detection Limits

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

Job ID: 410-198585-1

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

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

Surrogate Summary

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

Job ID: 410-198585-1

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)
410-198585-1	HD-COD-SW-6-0/1-0	100	102	106	94
410-198585-2	HD-COD-SW-7-0/1-0	99	103	106	94
410-198585-3	HD-COD-SW-8-0/1-0	96	103	106	94
410-198585-4	HD-COD-SW-9-0/1-0	103	102	108	94
410-198585-5	HD-COD-SW-13-0/1-0	102	102	109	94
410-198585-6	HD-COD-SW-15-0/1-0	101	96	100	97
410-198585-6 MS	HD-COD-SW-15-0/1-0 MS	101	99	100	99
410-198585-6 MSD	HD-COD-SW-15-0/1-0 MSD	98	99	101	99
410-198585-7	HD-COD-SW-16-0/1-0	101	99	100	99
410-198585-8	HD-COD-SW-17-0/1-0	100	97	101	100
410-198585-8 - DL	HD-COD-SW-17-0/1-0	98 cn	98 cn	104 cn	97 cn
410-198585-9	HD-COD-SW-26-0/1-0	101	96	102	97
410-198585-10	HD-COD-SW-27-0/1-0	102	96	101	98
410-198585-11	HD-COD-SW-28-0/1-0	98	98	100	98
410-198585-12	HD-COD-SW-29-0/1-0	101	96	100	97
410-198585-13	HD-QC1-0/1-1	102	95	101	98
410-198585-13 - DL	HD-QC1-0/1-1	98 cn	99 cn	104 cn	96 cn
410-198585-14	HD-QC1-0/1-2	99	98	99	99
LCS 410-581872/7	Lab Control Sample	100	102	106	95
LCS 410-581981/8	Lab Control Sample	97	102	99	100
LCS 410-584018/4	Lab Control Sample	98	102	105	98
LCSD 410-584018/5	Lab Control Sample Dup	101	101	104	98
MB 410-581872/6	Method Blank	99	103	106	95
MB 410-581981/10	Method Blank	99	97	98	99
MB 410-584018/7	Method Blank	102	99	105	97

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 Surface Water

Job ID: 410-198585-1

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

Lab Sample ID: MB 410-581872/6

Matrix: Water

Analysis Batch: 581872

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			12/04/24 10:53	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			12/04/24 10:53	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			12/04/24 10:53	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			12/04/24 10:53	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			12/04/24 10:53	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			12/04/24 10:53	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			12/04/24 10:53	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			12/04/24 10:53	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			12/04/24 10:53	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			12/04/24 10:53	1
2-Hexanone	ND		5.0	2.0	ug/L			12/04/24 10:53	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			12/04/24 10:53	1
Acetone	ND		5.0	1.5	ug/L			12/04/24 10:53	1
Benzene	ND		0.50	0.10	ug/L			12/04/24 10:53	1
Bromochloromethane	ND		0.50	0.080	ug/L			12/04/24 10:53	1
Bromodichloromethane	ND		0.50	0.080	ug/L			12/04/24 10:53	1
Bromoform	ND		1.0	0.30	ug/L			12/04/24 10:53	1
Bromomethane	ND		0.50	0.10	ug/L			12/04/24 10:53	1
Carbon disulfide	ND		1.0	0.10	ug/L			12/04/24 10:53	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			12/04/24 10:53	1
Chlorobenzene	ND		0.50	0.070	ug/L			12/04/24 10:53	1
Chloroethane	ND		0.50	0.10	ug/L			12/04/24 10:53	1
Chloroform	ND		0.50	0.090	ug/L			12/04/24 10:53	1
Chloromethane	ND		0.50	0.10	ug/L			12/04/24 10:53	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			12/04/24 10:53	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			12/04/24 10:53	1
Dibromochloromethane	ND		0.50	0.080	ug/L			12/04/24 10:53	1
Ethylbenzene	ND		0.50	0.080	ug/L			12/04/24 10:53	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			12/04/24 10:53	1
Methylene Chloride	ND		0.50	0.20	ug/L			12/04/24 10:53	1
Styrene	ND		0.50	0.070	ug/L			12/04/24 10:53	1
Tetrachloroethene	ND		0.50	0.20	ug/L			12/04/24 10:53	1
Toluene	ND		0.50	0.080	ug/L			12/04/24 10:53	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			12/04/24 10:53	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			12/04/24 10:53	1
Trichloroethene	ND		0.50	0.080	ug/L			12/04/24 10:53	1
Vinyl chloride	ND		0.50	0.10	ug/L			12/04/24 10:53	1
Xylenes, Total	ND		1.0	0.070	ug/L			12/04/24 10:53	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		80 - 120		12/04/24 10:53	1
4-Bromofluorobenzene (Surr)	103		80 - 120		12/04/24 10:53	1
Dibromofluoromethane (Surr)	106		80 - 120		12/04/24 10:53	1
Toluene-d8 (Surr)	95		80 - 120		12/04/24 10:53	1

QC Sample Results

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

Job ID: 410-198585-1

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

Lab Sample ID: LCS 410-581872/7

Matrix: Water

Analysis Batch: 581872

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	4.68		ug/L		94	80 - 122
1,1,1-Trichloroethane	5.00	5.79		ug/L		116	78 - 126
1,1,2,2-Tetrachloroethane	5.00	4.55		ug/L		91	75 - 123
1,1,2-Trichloroethane	5.00	4.61		ug/L		92	80 - 120
1,1-Dichloroethane	5.00	5.98		ug/L		120	74 - 120
1,1-Dichloroethene	5.00	5.66		ug/L		113	80 - 131
1,2-Dibromoethane (EDB)	5.00	4.50		ug/L		90	80 - 120
1,2-Dichloroethane	5.00	5.67		ug/L		113	69 - 122
1,2-Dichloropropane	5.00	5.78		ug/L		116	80 - 120
2-Butanone (MEK)	62.5	59.4		ug/L		95	59 - 141
2-Hexanone	62.5	60.3		ug/L		97	52 - 140
4-Methyl-2-pentanone (MIBK)	62.5	57.4		ug/L		92	55 - 140
Acetone	62.5	47.6		ug/L		76	60 - 146
Benzene	5.00	5.39		ug/L		108	80 - 120
Bromochloromethane	5.00	5.24		ug/L		105	80 - 133
Bromodichloromethane	5.00	5.55		ug/L		111	80 - 123
Bromoform	5.00	4.71		ug/L		94	75 - 126
Bromomethane	5.00	5.49		ug/L		110	63 - 120
Carbon disulfide	5.00	4.63		ug/L		93	67 - 130
Carbon tetrachloride	5.00	6.01		ug/L		120	64 - 141
Chlorobenzene	5.00	4.77		ug/L		95	80 - 120
Chloroethane	5.00	5.71		ug/L		114	63 - 120
Chloroform	5.00	5.73		ug/L		115	80 - 120
Chloromethane	5.00	5.46		ug/L		109	56 - 124
cis-1,2-Dichloroethene	5.00	5.31		ug/L		106	80 - 122
cis-1,3-Dichloropropene	5.00	5.12		ug/L		102	67 - 121
Dibromochloromethane	5.00	4.67		ug/L		93	80 - 123
Ethylbenzene	5.00	4.86		ug/L		97	80 - 120
Methyl tert-butyl ether	5.00	4.89		ug/L		98	69 - 120
Methylene Chloride	5.00	5.33		ug/L		107	80 - 120
Styrene	5.00	4.61		ug/L		92	80 - 120
Tetrachloroethene	5.00	4.61		ug/L		92	80 - 120
Toluene	5.00	4.75		ug/L		95	80 - 120
trans-1,2-Dichloroethene	5.00	5.51		ug/L		110	80 - 122
trans-1,3-Dichloropropene	5.00	4.63		ug/L		93	61 - 129
Trichloroethene	5.00	5.49		ug/L		110	80 - 120
Vinyl chloride	5.00	5.56		ug/L		111	60 - 125
Xylenes, Total	15.0	14.2		ug/L		95	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		80 - 120
4-Bromofluorobenzene (Surr)	102		80 - 120
Dibromofluoromethane (Surr)	106		80 - 120
Toluene-d8 (Surr)	95		80 - 120

QC Sample Results

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

Job ID: 410-198585-1

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

Lab Sample ID: MB 410-581981/10

Matrix: Water

Analysis Batch: 581981

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			12/04/24 14:14	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			12/04/24 14:14	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			12/04/24 14:14	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			12/04/24 14:14	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			12/04/24 14:14	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			12/04/24 14:14	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			12/04/24 14:14	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			12/04/24 14:14	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			12/04/24 14:14	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			12/04/24 14:14	1
2-Hexanone	ND		5.0	2.0	ug/L			12/04/24 14:14	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			12/04/24 14:14	1
Acetone	ND		5.0	1.5	ug/L			12/04/24 14:14	1
Benzene	ND		0.50	0.10	ug/L			12/04/24 14:14	1
Bromochloromethane	ND		0.50	0.080	ug/L			12/04/24 14:14	1
Bromodichloromethane	ND		0.50	0.080	ug/L			12/04/24 14:14	1
Bromoform	ND		1.0	0.30	ug/L			12/04/24 14:14	1
Bromomethane	ND		0.50	0.10	ug/L			12/04/24 14:14	1
Carbon disulfide	ND		1.0	0.10	ug/L			12/04/24 14:14	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			12/04/24 14:14	1
Chlorobenzene	ND		0.50	0.070	ug/L			12/04/24 14:14	1
Chloroethane	ND		0.50	0.10	ug/L			12/04/24 14:14	1
Chloroform	ND		0.50	0.090	ug/L			12/04/24 14:14	1
Chloromethane	ND		0.50	0.10	ug/L			12/04/24 14:14	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			12/04/24 14:14	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			12/04/24 14:14	1
Dibromochloromethane	ND		0.50	0.080	ug/L			12/04/24 14:14	1
Ethylbenzene	ND		0.50	0.080	ug/L			12/04/24 14:14	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			12/04/24 14:14	1
Methylene Chloride	ND		0.50	0.20	ug/L			12/04/24 14:14	1
Styrene	ND		0.50	0.070	ug/L			12/04/24 14:14	1
Tetrachloroethene	ND		0.50	0.20	ug/L			12/04/24 14:14	1
Toluene	ND		0.50	0.080	ug/L			12/04/24 14:14	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			12/04/24 14:14	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			12/04/24 14:14	1
Trichloroethene	ND		0.50	0.080	ug/L			12/04/24 14:14	1
Vinyl chloride	ND		0.50	0.10	ug/L			12/04/24 14:14	1
Xylenes, Total	ND		1.0	0.070	ug/L			12/04/24 14:14	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		80 - 120		12/04/24 14:14	1
4-Bromofluorobenzene (Surr)	97		80 - 120		12/04/24 14:14	1
Dibromofluoromethane (Surr)	98		80 - 120		12/04/24 14:14	1
Toluene-d8 (Surr)	99		80 - 120		12/04/24 14:14	1

QC Sample Results

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

Job ID: 410-198585-1

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

Lab Sample ID: LCS 410-581981/8

Matrix: Water

Analysis Batch: 581981

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	4.78		ug/L		96	80 - 122
1,1,1-Trichloroethane	5.00	4.68		ug/L		94	78 - 126
1,1,2,2-Tetrachloroethane	5.00	4.67		ug/L		93	75 - 123
1,1,2-Trichloroethane	5.00	4.72		ug/L		94	80 - 120
1,1-Dichloroethane	5.00	4.76		ug/L		95	74 - 120
1,1-Dichloroethene	5.00	4.85		ug/L		97	80 - 131
1,2-Dibromoethane (EDB)	5.00	4.73		ug/L		95	80 - 120
1,2-Dichloroethane	5.00	4.45		ug/L		89	69 - 122
1,2-Dichloropropane	5.00	4.71		ug/L		94	80 - 120
2-Butanone (MEK)	62.5	70.2		ug/L		112	59 - 141
2-Hexanone	62.5	70.7		ug/L		113	52 - 140
4-Methyl-2-pentanone (MIBK)	62.5	72.0		ug/L		115	55 - 140
Acetone	62.5	54.4		ug/L		87	60 - 146
Benzene	5.00	4.52		ug/L		90	80 - 120
Bromochloromethane	5.00	4.85		ug/L		97	80 - 133
Bromodichloromethane	5.00	4.70		ug/L		94	80 - 123
Bromoform	5.00	4.68		ug/L		94	75 - 126
Bromomethane	5.00	4.51		ug/L		90	63 - 120
Carbon disulfide	5.00	4.19		ug/L		84	67 - 130
Carbon tetrachloride	5.00	4.79		ug/L		96	64 - 141
Chlorobenzene	5.00	4.57		ug/L		91	80 - 120
Chloroethane	5.00	4.93		ug/L		99	63 - 120
Chloroform	5.00	4.63		ug/L		93	80 - 120
Chloromethane	5.00	3.88		ug/L		78	56 - 124
cis-1,2-Dichloroethene	5.00	4.60		ug/L		92	80 - 122
cis-1,3-Dichloropropene	5.00	4.52		ug/L		90	67 - 121
Dibromochloromethane	5.00	4.76		ug/L		95	80 - 123
Ethylbenzene	5.00	4.73		ug/L		95	80 - 120
Methyl tert-butyl ether	5.00	4.45		ug/L		89	69 - 120
Methylene Chloride	5.00	4.71		ug/L		94	80 - 120
Styrene	5.00	5.02		ug/L		100	80 - 120
Tetrachloroethene	5.00	4.58		ug/L		92	80 - 120
Toluene	5.00	4.67		ug/L		93	80 - 120
trans-1,2-Dichloroethene	5.00	4.68		ug/L		94	80 - 122
trans-1,3-Dichloropropene	5.00	4.78		ug/L		96	61 - 129
Trichloroethene	5.00	4.62		ug/L		92	80 - 120
Vinyl chloride	5.00	4.09		ug/L		82	60 - 125
Xylenes, Total	15.0	14.3		ug/L		96	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		80 - 120
4-Bromofluorobenzene (Surr)	102		80 - 120
Dibromofluoromethane (Surr)	99		80 - 120
Toluene-d8 (Surr)	100		80 - 120

QC Sample Results

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

Job ID: 410-198585-1

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

Lab Sample ID: 410-198585-6 MS

Matrix: Water

Analysis Batch: 581981

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

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	ND		5.00	4.98		ug/L		100	80 - 122
1,1,1-Trichloroethane	0.34	J	5.00	5.39		ug/L		101	78 - 126
1,1,2,2-Tetrachloroethane	ND		5.00	4.55		ug/L		91	75 - 123
1,1,2-Trichloroethane	ND		5.00	4.84		ug/L		97	80 - 120
1,1-Dichloroethane	0.11	J	5.00	5.11		ug/L		100	74 - 120
1,1-Dichloroethene	0.19	J	5.00	5.64		ug/L		109	80 - 131
1,2-Dibromoethane (EDB)	ND		5.00	4.86		ug/L		97	80 - 120
1,2-Dichloroethane	ND		5.00	4.67		ug/L		93	69 - 122
1,2-Dichloropropane	ND		5.00	4.81		ug/L		96	80 - 120
2-Butanone (MEK)	ND		62.6	58.6		ug/L		94	59 - 141
2-Hexanone	ND		62.6	57.7		ug/L		92	52 - 140
4-Methyl-2-pentanone (MIBK)	ND		62.6	58.9		ug/L		94	55 - 140
Acetone	ND		62.6	53.0		ug/L		85	60 - 146
Benzene	ND		5.00	4.79		ug/L		96	80 - 120
Bromochloromethane	ND		5.00	5.18		ug/L		104	80 - 133
Bromodichloromethane	ND		5.00	4.86		ug/L		97	80 - 123
Bromoform	ND		5.00	4.91		ug/L		98	75 - 126
Bromomethane	ND		5.00	5.00		ug/L		100	63 - 120
Carbon disulfide	ND		5.00	4.66		ug/L		93	67 - 130
Carbon tetrachloride	ND		5.00	5.35		ug/L		107	64 - 141
Chlorobenzene	ND		5.00	4.93		ug/L		99	80 - 120
Chloroethane	ND		5.00	5.21		ug/L		104	63 - 120
Chloroform	0.17	J	5.00	5.07		ug/L		98	80 - 120
Chloromethane	ND		5.00	4.07		ug/L		81	80 - 120
cis-1,2-Dichloroethene	1.4		5.00	6.31		ug/L		98	80 - 122
cis-1,3-Dichloropropene	ND		5.00	4.48		ug/L		89	67 - 121
Dibromochloromethane	ND		5.00	4.92		ug/L		98	80 - 123
Ethylbenzene	ND		5.00	4.93		ug/L		99	80 - 120
Methyl tert-butyl ether	ND		5.00	4.60		ug/L		92	69 - 120
Methylene Chloride	ND		5.00	4.93		ug/L		98	80 - 120
Styrene	ND		5.00	5.30		ug/L		106	80 - 120
Tetrachloroethene	5.6		5.00	9.99		ug/L		87	80 - 120
Toluene	ND		5.00	5.02		ug/L		100	80 - 120
trans-1,2-Dichloroethene	ND		5.00	5.12		ug/L		102	80 - 122
trans-1,3-Dichloropropene	ND		5.00	4.67		ug/L		93	61 - 129
Trichloroethene	1.2		5.00	6.04		ug/L		96	80 - 120
Vinyl chloride	ND		5.00	4.60		ug/L		92	60 - 125
Xylenes, Total	ND		15.0	15.1		ug/L		101	80 - 120

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

QC Sample Results

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

Job ID: 410-198585-1

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

Lab Sample ID: 410-198585-6 MSD

Matrix: Water

Analysis Batch: 581981

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	5.19		ug/L		104	80 - 122	4	30
1,1,1-Trichloroethane	0.34	J	5.00	5.68		ug/L		107	78 - 126	5	30
1,1,2,2-Tetrachloroethane	ND		5.00	4.79		ug/L		96	75 - 123	5	30
1,1,2-Trichloroethane	ND		5.00	4.97		ug/L		99	80 - 120	3	30
1,1-Dichloroethane	0.11	J	5.00	5.43		ug/L		106	74 - 120	6	30
1,1-Dichloroethene	0.19	J	5.00	5.98		ug/L		116	80 - 131	6	30
1,2-Dibromoethane (EDB)	ND		5.00	5.08		ug/L		102	80 - 120	4	30
1,2-Dichloroethane	ND		5.00	4.78		ug/L		96	69 - 122	2	30
1,2-Dichloropropane	ND		5.00	5.06		ug/L		101	80 - 120	5	30
2-Butanone (MEK)	ND		62.6	73.2		ug/L		117	59 - 141	22	30
2-Hexanone	ND		62.6	70.9		ug/L		113	52 - 140	21	30
4-Methyl-2-pentanone (MIBK)	ND		62.6	73.2		ug/L		117	55 - 140	22	30
Acetone	ND		62.6	64.4		ug/L		103	60 - 146	19	30
Benzene	ND		5.00	5.05		ug/L		101	80 - 120	5	30
Bromochloromethane	ND		5.00	5.45		ug/L		109	80 - 133	5	30
Bromodichloromethane	ND		5.00	5.13		ug/L		102	80 - 123	5	30
Bromoform	ND		5.00	5.07		ug/L		101	75 - 126	3	30
Bromomethane	ND		5.00	5.22		ug/L		104	63 - 120	4	30
Carbon disulfide	ND		5.00	4.89		ug/L		98	67 - 130	5	30
Carbon tetrachloride	ND		5.00	5.63		ug/L		112	64 - 141	5	30
Chlorobenzene	ND		5.00	5.16		ug/L		103	80 - 120	5	30
Chloroethane	ND		5.00	5.49		ug/L		110	63 - 120	5	30
Chloroform	0.17	J	5.00	5.32		ug/L		103	80 - 120	5	30
Chloromethane	ND		5.00	4.30		ug/L		86	80 - 120	6	30
cis-1,2-Dichloroethene	1.4		5.00	6.64		ug/L		104	80 - 122	5	30
cis-1,3-Dichloropropene	ND		5.00	4.77		ug/L		95	67 - 121	6	30
Dibromochloromethane	ND		5.00	5.18		ug/L		104	80 - 123	5	30
Ethylbenzene	ND		5.00	5.17		ug/L		103	80 - 120	5	30
Methyl tert-butyl ether	ND		5.00	4.86		ug/L		97	69 - 120	6	30
Methylene Chloride	ND		5.00	5.17		ug/L		103	80 - 120	5	30
Styrene	ND		5.00	5.56		ug/L		111	80 - 120	5	30
Tetrachloroethene	5.6		5.00	10.5		ug/L		96	80 - 120	5	30
Toluene	ND		5.00	5.23		ug/L		104	80 - 120	4	30
trans-1,2-Dichloroethene	ND		5.00	5.40		ug/L		108	80 - 122	5	30
trans-1,3-Dichloropropene	ND		5.00	4.88		ug/L		98	61 - 129	4	30
Trichloroethene	1.2		5.00	6.49		ug/L		105	80 - 120	7	30
Vinyl chloride	ND		5.00	4.81		ug/L		96	60 - 125	4	30
Xylenes, Total	ND		15.0	15.9		ug/L		106	80 - 120	5	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	98		80 - 120
4-Bromofluorobenzene (Surr)	99		80 - 120
Dibromofluoromethane (Surr)	101		80 - 120
Toluene-d8 (Surr)	99		80 - 120

QC Sample Results

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

Job ID: 410-198585-1

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

Lab Sample ID: MB 410-584018/7

Matrix: Water

Analysis Batch: 584018

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			12/10/24 11:26	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			12/10/24 11:26	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			12/10/24 11:26	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			12/10/24 11:26	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			12/10/24 11:26	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			12/10/24 11:26	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			12/10/24 11:26	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			12/10/24 11:26	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			12/10/24 11:26	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			12/10/24 11:26	1
2-Hexanone	ND		5.0	2.0	ug/L			12/10/24 11:26	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			12/10/24 11:26	1
Acetone	ND		5.0	1.5	ug/L			12/10/24 11:26	1
Benzene	ND		0.50	0.10	ug/L			12/10/24 11:26	1
Bromochloromethane	ND		0.50	0.080	ug/L			12/10/24 11:26	1
Bromodichloromethane	ND		0.50	0.080	ug/L			12/10/24 11:26	1
Bromoform	ND		1.0	0.30	ug/L			12/10/24 11:26	1
Bromomethane	ND		0.50	0.10	ug/L			12/10/24 11:26	1
Carbon disulfide	ND		1.0	0.10	ug/L			12/10/24 11:26	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			12/10/24 11:26	1
Chlorobenzene	ND		0.50	0.070	ug/L			12/10/24 11:26	1
Chloroethane	ND		0.50	0.10	ug/L			12/10/24 11:26	1
Chloroform	ND		0.50	0.090	ug/L			12/10/24 11:26	1
Chloromethane	ND		0.50	0.10	ug/L			12/10/24 11:26	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			12/10/24 11:26	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			12/10/24 11:26	1
Dibromochloromethane	ND		0.50	0.080	ug/L			12/10/24 11:26	1
Ethylbenzene	ND		0.50	0.080	ug/L			12/10/24 11:26	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			12/10/24 11:26	1
Methylene Chloride	ND		0.50	0.20	ug/L			12/10/24 11:26	1
Styrene	ND		0.50	0.070	ug/L			12/10/24 11:26	1
Tetrachloroethene	ND		0.50	0.20	ug/L			12/10/24 11:26	1
Toluene	ND		0.50	0.080	ug/L			12/10/24 11:26	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			12/10/24 11:26	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			12/10/24 11:26	1
Trichloroethene	ND		0.50	0.080	ug/L			12/10/24 11:26	1
Vinyl chloride	ND		0.50	0.10	ug/L			12/10/24 11:26	1
Xylenes, Total	ND		1.0	0.070	ug/L			12/10/24 11:26	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		80 - 120		12/10/24 11:26	1
4-Bromofluorobenzene (Surr)	99		80 - 120		12/10/24 11:26	1
Dibromofluoromethane (Surr)	105		80 - 120		12/10/24 11:26	1
Toluene-d8 (Surr)	97		80 - 120		12/10/24 11:26	1

QC Sample Results

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

Job ID: 410-198585-1

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

Lab Sample ID: LCS 410-584018/4

Matrix: Water

Analysis Batch: 584018

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	5.02		ug/L		100	80 - 122
1,1,1-Trichloroethane	5.00	5.82		ug/L		116	78 - 126
1,1,2,2-Tetrachloroethane	5.00	4.71		ug/L		94	75 - 123
1,1,2-Trichloroethane	5.00	4.87		ug/L		97	80 - 120
1,1-Dichloroethane	5.00	5.80		ug/L		116	74 - 120
1,1-Dichloroethene	5.00	5.88		ug/L		118	80 - 131
1,2-Dibromoethane (EDB)	5.00	4.88		ug/L		98	80 - 120
1,2-Dichloroethane	5.00	5.73		ug/L		115	69 - 122
1,2-Dichloropropane	5.00	5.61		ug/L		112	80 - 120
2-Butanone (MEK)	62.5	68.8		ug/L		110	59 - 141
2-Hexanone	62.5	71.8		ug/L		115	52 - 140
4-Methyl-2-pentanone (MIBK)	62.5	67.7		ug/L		108	55 - 140
Acetone	62.5	57.0		ug/L		91	60 - 146
Benzene	5.00	5.28		ug/L		106	80 - 120
Bromochloromethane	5.00	5.20		ug/L		104	80 - 133
Bromodichloromethane	5.00	5.50		ug/L		110	80 - 123
Bromoform	5.00	5.25		ug/L		105	75 - 126
Bromomethane	5.00	5.10		ug/L		102	63 - 120
Carbon disulfide	5.00	5.14		ug/L		103	67 - 130
Carbon tetrachloride	5.00	6.05		ug/L		121	64 - 141
Chlorobenzene	5.00	5.03		ug/L		101	80 - 120
Chloroethane	5.00	5.20		ug/L		104	63 - 120
Chloroform	5.00	5.50		ug/L		110	80 - 120
Chloromethane	5.00	5.02		ug/L		100	56 - 124
cis-1,2-Dichloroethene	5.00	5.18		ug/L		104	80 - 122
cis-1,3-Dichloropropene	5.00	5.22		ug/L		104	67 - 121
Dibromochloromethane	5.00	5.08		ug/L		102	80 - 123
Ethylbenzene	5.00	5.09		ug/L		102	80 - 120
Methyl tert-butyl ether	5.00	4.96		ug/L		99	69 - 120
Methylene Chloride	5.00	5.33		ug/L		107	80 - 120
Styrene	5.00	4.85		ug/L		97	80 - 120
Tetrachloroethene	5.00	4.95		ug/L		99	80 - 120
Toluene	5.00	4.98		ug/L		100	80 - 120
trans-1,2-Dichloroethene	5.00	5.48		ug/L		110	80 - 122
trans-1,3-Dichloropropene	5.00	5.02		ug/L		100	61 - 129
Trichloroethene	5.00	5.42		ug/L		108	80 - 120
Vinyl chloride	5.00	5.25		ug/L		105	60 - 125
Xylenes, Total	15.0	15.0		ug/L		100	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	98		80 - 120
4-Bromofluorobenzene (Surr)	102		80 - 120
Dibromofluoromethane (Surr)	105		80 - 120
Toluene-d8 (Surr)	98		80 - 120

QC Sample Results

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

Job ID: 410-198585-1

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

Lab Sample ID: LCSD 410-584018/5

Matrix: Water

Analysis Batch: 584018

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	5.01		ug/L		100	80 - 122	0	30
1,1,1-Trichloroethane	5.00	5.73		ug/L		115	78 - 126	2	30
1,1,2,2-Tetrachloroethane	5.00	4.76		ug/L		95	75 - 123	1	30
1,1,2-Trichloroethane	5.00	4.78		ug/L		96	80 - 120	2	30
1,1-Dichloroethane	5.00	5.80		ug/L		116	74 - 120	0	30
1,1-Dichloroethene	5.00	5.74		ug/L		115	80 - 131	2	30
1,2-Dibromoethane (EDB)	5.00	4.87		ug/L		97	80 - 120	0	30
1,2-Dichloroethane	5.00	5.80		ug/L		116	69 - 122	1	30
1,2-Dichloropropane	5.00	5.66		ug/L		113	80 - 120	1	30
2-Butanone (MEK)	62.5	68.2		ug/L		109	59 - 141	1	30
2-Hexanone	62.5	68.5		ug/L		110	52 - 140	5	30
4-Methyl-2-pentanone (MIBK)	62.5	65.4		ug/L		105	55 - 140	3	30
Acetone	62.5	54.7		ug/L		87	60 - 146	4	30
Benzene	5.00	5.30		ug/L		106	80 - 120	1	30
Bromochloromethane	5.00	5.16		ug/L		103	80 - 133	1	30
Bromodichloromethane	5.00	5.48		ug/L		110	80 - 123	0	30
Bromoform	5.00	5.29		ug/L		106	75 - 126	1	30
Bromomethane	5.00	5.15		ug/L		103	63 - 120	1	30
Carbon disulfide	5.00	5.19		ug/L		104	67 - 130	1	30
Carbon tetrachloride	5.00	6.12		ug/L		122	64 - 141	1	30
Chlorobenzene	5.00	5.03		ug/L		101	80 - 120	0	30
Chloroethane	5.00	5.27		ug/L		105	63 - 120	1	30
Chloroform	5.00	5.54		ug/L		111	80 - 120	1	30
Chloromethane	5.00	5.22		ug/L		104	56 - 124	4	30
cis-1,2-Dichloroethene	5.00	5.25		ug/L		105	80 - 122	1	30
cis-1,3-Dichloropropene	5.00	5.15		ug/L		103	67 - 121	1	30
Dibromochloromethane	5.00	5.07		ug/L		101	80 - 123	0	30
Ethylbenzene	5.00	5.11		ug/L		102	80 - 120	0	30
Methyl tert-butyl ether	5.00	4.87		ug/L		97	69 - 120	2	30
Methylene Chloride	5.00	5.39		ug/L		108	80 - 120	1	30
Styrene	5.00	4.88		ug/L		98	80 - 120	1	30
Tetrachloroethene	5.00	4.98		ug/L		100	80 - 120	1	30
Toluene	5.00	5.02		ug/L		100	80 - 120	1	30
trans-1,2-Dichloroethene	5.00	5.60		ug/L		112	80 - 122	2	30
trans-1,3-Dichloropropene	5.00	4.98		ug/L		100	61 - 129	1	30
Trichloroethene	5.00	5.48		ug/L		110	80 - 120	1	30
Vinyl chloride	5.00	5.48		ug/L		110	60 - 125	4	30
Xylenes, Total	15.0	15.0		ug/L		100	80 - 120	0	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		80 - 120
4-Bromofluorobenzene (Surr)	101		80 - 120
Dibromofluoromethane (Surr)	104		80 - 120
Toluene-d8 (Surr)	98		80 - 120

QC Association Summary

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

Job ID: 410-198585-1

GC/MS VOA

Analysis Batch: 581872

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-198585-1	HD-COD-SW-6-0/1-0	Total/NA	Water	8260D	
410-198585-2	HD-COD-SW-7-0/1-0	Total/NA	Water	8260D	
410-198585-3	HD-COD-SW-8-0/1-0	Total/NA	Water	8260D	
410-198585-4	HD-COD-SW-9-0/1-0	Total/NA	Water	8260D	
410-198585-5	HD-COD-SW-13-0/1-0	Total/NA	Water	8260D	
MB 410-581872/6	Method Blank	Total/NA	Water	8260D	
LCS 410-581872/7	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 581981

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-198585-6	HD-COD-SW-15-0/1-0	Total/NA	Water	8260D	
410-198585-7	HD-COD-SW-16-0/1-0	Total/NA	Water	8260D	
410-198585-8	HD-COD-SW-17-0/1-0	Total/NA	Water	8260D	
410-198585-9	HD-COD-SW-26-0/1-0	Total/NA	Water	8260D	
410-198585-10	HD-COD-SW-27-0/1-0	Total/NA	Water	8260D	
410-198585-11	HD-COD-SW-28-0/1-0	Total/NA	Water	8260D	
410-198585-12	HD-COD-SW-29-0/1-0	Total/NA	Water	8260D	
410-198585-13	HD-QC1-0/1-1	Total/NA	Water	8260D	
410-198585-14	HD-QC1-0/1-2	Total/NA	Water	8260D	
MB 410-581981/10	Method Blank	Total/NA	Water	8260D	
LCS 410-581981/8	Lab Control Sample	Total/NA	Water	8260D	
410-198585-6 MS	HD-COD-SW-15-0/1-0 MS	Total/NA	Water	8260D	
410-198585-6 MSD	HD-COD-SW-15-0/1-0 MSD	Total/NA	Water	8260D	

Analysis Batch: 584018

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-198585-8 - DL	HD-COD-SW-17-0/1-0	Total/NA	Water	8260D	
410-198585-13 - DL	HD-QC1-0/1-1	Total/NA	Water	8260D	
MB 410-584018/7	Method Blank	Total/NA	Water	8260D	
LCS 410-584018/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 410-584018/5	Lab Control Sample Dup	Total/NA	Water	8260D	

Lab Chronicle

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

Job ID: 410-198585-1

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

Lab Sample ID: 410-198585-1

Date Collected: 11/25/24 10:35

Matrix: Water

Date Received: 11/27/24 12:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	581872	N7YK	ELLE	12/04/24 16:54

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

Lab Sample ID: 410-198585-2

Date Collected: 11/25/24 11:15

Matrix: Water

Date Received: 11/27/24 12:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	581872	N7YK	ELLE	12/04/24 17:15

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

Lab Sample ID: 410-198585-3

Date Collected: 11/25/24 09:27

Matrix: Water

Date Received: 11/27/24 12:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	581872	N7YK	ELLE	12/04/24 17:36

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

Lab Sample ID: 410-198585-4

Date Collected: 11/25/24 12:29

Matrix: Water

Date Received: 11/27/24 12:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	581872	N7YK	ELLE	12/04/24 17:57

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

Lab Sample ID: 410-198585-5

Date Collected: 11/25/24 09:40

Matrix: Water

Date Received: 11/27/24 12:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	581872	N7YK	ELLE	12/04/24 18:18

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

Lab Sample ID: 410-198585-6

Date Collected: 11/25/24 11:37

Matrix: Water

Date Received: 11/27/24 12:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	581981	DVW2	ELLE	12/04/24 18:39

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

Lab Sample ID: 410-198585-7

Date Collected: 11/25/24 10:00

Matrix: Water

Date Received: 11/27/24 12:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	581981	DVW2	ELLE	12/04/24 16:05

Lab Chronicle

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

Job ID: 410-198585-1

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

Lab Sample ID: 410-198585-8

Date Collected: 11/25/24 10:15

Matrix: Water

Date Received: 11/27/24 12:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	581981	DVW2	ELLE	12/04/24 16:27
Total/NA	Analysis	8260D	DL	10	584018	N7YK	ELLE	12/10/24 13:59

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

Lab Sample ID: 410-198585-9

Date Collected: 11/25/24 11:00

Matrix: Water

Date Received: 11/27/24 12:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	581981	DVW2	ELLE	12/04/24 16:49

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

Lab Sample ID: 410-198585-10

Date Collected: 11/25/24 11:29

Matrix: Water

Date Received: 11/27/24 12:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	581981	DVW2	ELLE	12/04/24 17:11

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

Lab Sample ID: 410-198585-11

Date Collected: 11/25/24 12:40

Matrix: Water

Date Received: 11/27/24 12:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	581981	DVW2	ELLE	12/04/24 17:33

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

Lab Sample ID: 410-198585-12

Date Collected: 11/25/24 09:10

Matrix: Water

Date Received: 11/27/24 12:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	581981	DVW2	ELLE	12/04/24 17:55

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

Lab Sample ID: 410-198585-13

Date Collected: 11/25/24 12:00

Matrix: Water

Date Received: 11/27/24 12:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	581981	DVW2	ELLE	12/04/24 18:17
Total/NA	Analysis	8260D	DL	10	584018	N7YK	ELLE	12/10/24 14:20

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

Lab Sample ID: 410-198585-14

Date Collected: 11/25/24 00:00

Matrix: Water

Date Received: 11/27/24 12:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	581981	DVW2	ELLE	12/04/24 14:36

Lab Chronicle

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

Job ID: 410-198585-1

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 Surface Water

Job ID: 410-198585-1

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	01-31-26

Method Summary

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

Job ID: 410-198585-1

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 Surface Water

Job ID: 410-198585-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-198585-1	HD-COD-SW-6-0/1-0	Water	11/25/24 10:35	11/27/24 12:45
410-198585-2	HD-COD-SW-7-0/1-0	Water	11/25/24 11:15	11/27/24 12:45
410-198585-3	HD-COD-SW-8-0/1-0	Water	11/25/24 09:27	11/27/24 12:45
410-198585-4	HD-COD-SW-9-0/1-0	Water	11/25/24 12:29	11/27/24 12:45
410-198585-5	HD-COD-SW-13-0/1-0	Water	11/25/24 09:40	11/27/24 12:45
410-198585-6	HD-COD-SW-15-0/1-0	Water	11/25/24 11:37	11/27/24 12:45
410-198585-7	HD-COD-SW-16-0/1-0	Water	11/25/24 10:00	11/27/24 12:45
410-198585-8	HD-COD-SW-17-0/1-0	Water	11/25/24 10:15	11/27/24 12:45
410-198585-9	HD-COD-SW-26-0/1-0	Water	11/25/24 11:00	11/27/24 12:45
410-198585-10	HD-COD-SW-27-0/1-0	Water	11/25/24 11:29	11/27/24 12:45
410-198585-11	HD-COD-SW-28-0/1-0	Water	11/25/24 12:40	11/27/24 12:45
410-198585-12	HD-COD-SW-29-0/1-0	Water	11/25/24 09:10	11/27/24 12:45
410-198585-13	HD-QC1-0/1-1	Water	11/25/24 12:00	11/27/24 12:45
410-198585-14	HD-QC1-0/1-2	Water	11/25/24 00:00	11/27/24 12:45

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-198585-1

SDG No.:

Instrument ID: 16334

Analysis Batch Number: 581544

Lab Sample ID: IC 410-581544/13

Client Sample ID:

Date Analyzed: 12/03/24 16:05

Lab File ID: GD03X12.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloromethane	1.89	Baseline	UCB5	12/08/24 11:06
1,3-Butadiene	1.97	Incomplete Integration	DVW2	12/04/24 08:31
Bromomethane	2.28	Incomplete Integration	DVW2	12/04/24 08:32
Ethyl ether	2.77	Incomplete Integration	DVW2	12/04/24 08:32
Acrolein	2.93	Incomplete Integration	DVW2	12/04/24 08:42
Methyl acetate	3.42	Incomplete Integration	DVW2	12/04/24 08:32
t-Butyl alcohol-d10 (IS)	3.62	Incomplete Integration	DVW2	12/04/24 08:32
trans-1,2-Dichloroethene	3.94	Incomplete Integration	DVW2	12/04/24 08:32
2-Chloro-1,3-butadiene	4.68	Incomplete Integration	UCB5	12/08/24 11:07
Ethyl t-butyl ether	5.18	Incomplete Integration	UCB5	12/08/24 11:07
2,2-Dichloropropane	5.43	Incomplete Integration	DVW2	12/04/24 08:12
2-Butanone (MEK)	5.44	Incomplete Integration	UCB5	12/08/24 11:07
Propionitrile	5.68	Incomplete Integration	DVW2	12/04/24 08:32
Bromochloromethane	5.75	Incomplete Integration	DVW2	12/04/24 08:32
1,1,1-Trichloroethane	6.14	Incomplete Integration	DVW2	12/04/24 08:33
Isobutyl alcohol	6.59	Incomplete Integration	DVW2	12/04/24 08:33
1,2-Dichloroethane	6.70	Incomplete Integration	DVW2	12/04/24 08:33
Dibromomethane	7.99	Incomplete Integration	DVW2	12/04/24 08:33
Methyl methacrylate	8.01	Incomplete Integration	DVW2	12/04/24 08:33
2-Nitropropane	8.51	Incomplete Integration	DVW2	12/04/24 08:33
1-Bromo-2-chloroethane	8.63	Incomplete Integration	DVW2	12/04/24 08:33
cis-1,3-Dichloropropene	8.81	Incomplete Integration	DVW2	12/04/24 08:33
trans-1,3-Dichloropropene	9.54	Incomplete Integration	UCB5	12/08/24 11:08
Tetrahydrofuran		Incomplete Integration	DVW2	12/04/24 08:32
2-Hexanone	10.01	Incomplete Integration	DVW2	12/04/24 08:33
Styrene	11.31	Incomplete Integration	DVW2	12/04/24 08:34
Benzyl chloride	12.75	Incomplete Integration	DVW2	12/04/24 08:11

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-198585-1

SDG No.:

Instrument ID: 16334

Analysis Batch Number: 581544

Lab Sample ID: IC 410-581544/14

Client Sample ID:

Date Analyzed: 12/03/24 16:27

Lab File ID: GD03X13.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bromomethane	2.26	Incomplete Integration	DVW2	12/04/24 08:28
Acrolein	2.92	Incomplete Integration	DVW2	12/04/24 08:42
Methyl acetate	3.43	Baseline	UCB5	12/08/24 11:33
t-Butyl alcohol-d10 (IS)	3.60	Incomplete Integration	DVW2	12/04/24 08:29
t-Butyl alcohol	3.74	Incomplete Integration	DVW2	12/04/24 08:30
trans-1,2-Dichloroethene	3.93	Incomplete Integration	UCB5	12/08/24 11:09
2,2-Dichloropropane	5.42	Incomplete Integration	DVW2	12/04/24 08:12
2-Butanone (MEK)	5.42	Incomplete Integration	UCB5	12/08/24 11:10
Propionitrile	5.55	Incomplete Integration	DVW2	12/04/24 08:30
Isobutyl alcohol	6.60	Incomplete Integration	DVW2	12/04/24 08:30
n-Butanol	7.62	Incomplete Integration	DVW2	12/04/24 08:30
Methyl methacrylate	8.00	Incomplete Integration	DVW2	12/04/24 08:31
1,4-Dioxane	8.02	Incomplete Integration	DVW2	12/04/24 08:30
2-Nitropropane	8.51	Incomplete Integration	DVW2	12/04/24 08:31
2-Hexanone	10.00	Incomplete Integration	DVW2	12/04/24 08:39
1,2-Dibromoethane (EDB)	10.25	Incomplete Integration	UCB5	12/08/24 11:11
Benzyl chloride	12.74	Incomplete Integration	DVW2	12/04/24 08:11

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-198585-1

SDG No.:

Instrument ID: 16334

Analysis Batch Number: 581544

Lab Sample ID: IC 410-581544/15

Client Sample ID:

Date Analyzed: 12/03/24 16:50

Lab File ID: GD03X14.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bromomethane	2.27	Incomplete Integration	DVW2	12/04/24 08:27
Ethyl ether	2.77	Incomplete Integration	UCB5	12/08/24 11:14
Acrolein	2.92	Incomplete Integration	DVW2	12/04/24 08:42
Methyl acetate	3.39	Shouldering	UCB5	12/08/24 11:32
t-Butyl alcohol-d10 (IS)	3.61	Incomplete Integration	DVW2	12/04/24 08:27
1,1-Dichloroethane	4.56	Incomplete Integration	UCB5	12/08/24 11:14
2,2-Dichloropropane	5.43	Incomplete Integration	DVW2	12/04/24 08:12
Propionitrile	5.50	Incomplete Integration	DVW2	12/04/24 08:28
Bromochloromethane	5.76	Incomplete Integration	UCB5	12/08/24 11:15
Isobutyl alcohol	6.61	Incomplete Integration	DVW2	12/04/24 08:37
Benzene	6.63	Incomplete Integration	UCB5	12/08/24 11:15
n-Heptane	7.07	Baseline	UCB5	12/08/24 11:15
1,4-Dioxane	7.99	Incomplete Integration	DVW2	12/04/24 08:28
Benzyl chloride	12.74	Incomplete Integration	DVW2	12/04/24 08:11

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-198585-1

SDG No.:

Instrument ID: 16334

Analysis Batch Number: 581544

Lab Sample ID: IC 410-581544/16

Client Sample ID:

Date Analyzed: 12/03/24 17:12

Lab File ID: GD03X15.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bromomethane	2.28	Incomplete Integration	DVW2	12/04/24 08:19
Acrolein	2.92	Incomplete Integration	DVW2	12/04/24 08:42
Methyl acetate	3.42	Baseline	UCB5	12/08/24 11:33
t-Butyl alcohol-d10 (IS)	3.64	Incomplete Integration	DVW2	12/04/24 08:21
Acrylonitrile	3.91	Incomplete Integration	DVW2	12/04/24 08:22
2,2-Dichloropropane	5.43	Incomplete Integration	DVW2	12/04/24 08:13
Propionitrile	5.50	Incomplete Integration	DVW2	12/04/24 08:24
Isobutyl alcohol	6.59	Incomplete Integration	DVW2	12/04/24 08:37
1,4-Dioxane	7.99	Incomplete Integration	DVW2	12/04/24 08:27
Benzyl chloride	12.74	Incomplete Integration	DVW2	12/04/24 08:11

Lab Sample ID: IC 410-581544/17

Client Sample ID:

Date Analyzed: 12/03/24 17:34

Lab File ID: GD03X16.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bromomethane	2.26	Incomplete Integration	DVW2	12/04/24 08:16
Acrolein	2.91	Incomplete Integration	DVW2	12/04/24 08:41
Methyl acetate	3.41	Baseline	UCB5	12/08/24 11:35
Acrylonitrile	3.89	Incomplete Integration	DVW2	12/04/24 08:22
2,2-Dichloropropane	5.43	Incomplete Integration	DVW2	12/04/24 08:13
Isobutyl alcohol	6.58	Incomplete Integration	DVW2	12/04/24 08:37
1,4-Dioxane	7.99	Incomplete Integration	DVW2	12/04/24 08:18
Benzyl chloride	12.74	Incomplete Integration	DVW2	12/04/24 08:11

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-198585-1

SDG No.:

Instrument ID: 16334

Analysis Batch Number: 581544

Lab Sample ID: ICIS 410-581544/18

Client Sample ID:

Date Analyzed: 12/03/24 17:56

Lab File ID: GD03X17.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bromomethane	2.27	Incomplete Integration	DVW2	12/04/24 08:55
Acrolein	2.91	Incomplete Integration	DVW2	12/04/24 08:41
Methyl acetate	3.41	Baseline	UCB5	12/08/24 11:36
t-Butyl alcohol-d10 (IS)	3.63	Incomplete Integration	DVW2	12/04/24 08:09
2,2-Dichloropropane	5.44	Incomplete Integration	DVW2	12/04/24 08:09
Isobutyl alcohol	6.57	Incomplete Integration	DVW2	12/04/24 08:37
1,2-Dichloroethane	6.70	Shouldering	UCB5	12/08/24 11:23
1,4-Dioxane	7.98	Incomplete Integration	DVW2	12/04/24 08:10
Benzyl chloride	12.74	Incomplete Integration	DVW2	12/04/24 08:10

Lab Sample ID: IC 410-581544/19

Client Sample ID:

Date Analyzed: 12/03/24 18:18

Lab File ID: GD03X18.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bromomethane	2.28	Incomplete Integration	DVW2	12/04/24 08:14
Acrolein	2.92	Incomplete Integration	DVW2	12/04/24 08:41
Methyl acetate	3.42	Baseline	UCB5	12/08/24 11:24
t-Butyl alcohol-d10 (IS)	3.62	Incomplete Integration	DVW2	12/04/24 08:14
2,2-Dichloropropane	5.44	Incomplete Integration	DVW2	12/04/24 08:13
1,2-Dichloroethane	6.70	Shouldering	UCB5	12/08/24 11:25
1,4-Dioxane	7.98	Incomplete Integration	DVW2	12/04/24 08:15
Benzyl chloride	12.74	Incomplete Integration	DVW2	12/04/24 08:10

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-198585-1

SDG No.:

Instrument ID: 16334

Analysis Batch Number: 581544

Lab Sample ID: ICV 410-581544/21

Client Sample ID:

Date Analyzed: 12/03/24 19:02

Lab File ID: GD03X20.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bromomethane	2.27	Incomplete Integration	DVW2	12/04/24 08:39
Acrolein	2.91	Incomplete Integration	DVW2	12/04/24 08:40
Methyl acetate	3.41	Incomplete Integration	UCB5	12/08/24 12:06
2,2-Dichloropropane	5.42	Incomplete Integration	DVW2	12/04/24 08:43
Propionitrile	5.52	Incomplete Integration	DVW2	12/04/24 08:43
Isobutyl alcohol	6.58	Incomplete Integration	DVW2	12/04/24 08:43
1,4-Dioxane	7.99	Incomplete Integration	DVW2	12/04/24 08:44
Benzyl chloride	12.74	Incomplete Integration	DVW2	12/04/24 08:44

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-198585-1

SDG No.:

Instrument ID: 16334

Analysis Batch Number: 581981

Lab Sample ID: CCVIS 410-581981/6

Client Sample ID:

Date Analyzed: 12/04/24 12:45

Lab File ID: GD04X05.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bromomethane	2.26	Incomplete Integration	DVW2	12/04/24 13:55
Acrolein	2.90	Incomplete Integration	DVW2	12/04/24 13:57
Propionitrile	5.48	Incomplete Integration	DVW2	12/04/24 13:55
1,4-Dioxane	7.98	Incomplete Integration	DVW2	12/04/24 13:56

Lab Sample ID: LCS 410-581981/8

Client Sample ID:

Date Analyzed: 12/04/24 13:30

Lab File ID: GD04X07.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bromomethane	2.28	Incomplete Integration	DVW2	12/04/24 14:29

Lab Sample ID: 410-198585-8

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

Date Analyzed: 12/04/24 16:27

Lab File ID: GD04X15.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,1,2-Trichloroethane		Invalid Compound ID	FQ4L	12/06/24 07:22
Chlorobenzene	10.73	Peak assignment corrected	FQ4L	12/10/24 07:15

Lab Sample ID: 410-198585-9

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

Date Analyzed: 12/04/24 16:49

Lab File ID: GD04X16.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Trichloroethene	7.54	Peak assignment corrected	FQ4L	12/06/24 07:23

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-198585-1

SDG No.:

Instrument ID: 16334

Analysis Batch Number: 581981

Lab Sample ID: 410-198585-10

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

Date Analyzed: 12/04/24 17:11

Lab File ID: GD04X17.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Carbon disulfide	3.29	Incomplete Integration	FQ4L	12/06/24 07:23
Chloroform	5.93	Incomplete Integration	FQ4L	12/06/24 07:23

Lab Sample ID: 410-198585-12

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

Date Analyzed: 12/04/24 17:55

Lab File ID: GD04X19.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Trichloroethene	7.54	Incomplete Integration	FQ4L	12/06/24 07:24
1,1,1-Trichloroethane		Invalid Compound ID	FQ4L	12/06/24 07:24

Lab Sample ID: 410-198585-13

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

Date Analyzed: 12/04/24 18:17

Lab File ID: GD04X20.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,1,2-Trichloroethane		Invalid Compound ID	FQ4L	12/06/24 07:25
Chlorobenzene	10.74	Incomplete Integration	FQ4L	12/06/24 07:25

Lab Sample ID: 410-198585-6

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

Date Analyzed: 12/04/24 18:39

Lab File ID: GD04X21.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,1-Dichloroethane	4.57	Incomplete Integration	FQ4L	12/06/24 07:26

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-198585-1

SDG No.:

Instrument ID: 16334

Analysis Batch Number: 581981

Lab Sample ID: 410-198585-6 MS

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

Date Analyzed: 12/04/24 19:01

Lab File ID: GD04X22.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bromomethane	2.27	Incomplete Integration	FQ4L	12/06/24 07:27

Lab Sample ID: 410-198585-6 MSD

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

Date Analyzed: 12/04/24 19:23

Lab File ID: GD04X23.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bromomethane	2.28	Incomplete Integration	FQ4L	12/06/24 07:28

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-198585-1

SDG No.:

Instrument ID: 19094

Analysis Batch Number: 562891

Lab Sample ID: IC 410-562891/3

Client Sample ID:

Date Analyzed: 10/14/24 18:22

Lab File ID: HC14X02.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chlorodifluoromethane	1.86	Incomplete Integration	JS6E	10/15/24 00:26
Acetonitrile	4.09	Incomplete Integration	JS6E	10/15/24 00:36
Vinyl acetate	4.99	Incomplete Integration	JS6E	10/15/24 00:27
Ethyl acetate	5.90	Incomplete Integration	JS6E	10/15/24 00:28

Lab Sample ID: IC 410-562891/4

Client Sample ID:

Date Analyzed: 10/14/24 18:44

Lab File ID: HC14X03.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	3.97	Incomplete Integration	JS6E	10/15/24 00:36
Vinyl acetate	5.00	Incomplete Integration	JS6E	10/15/24 00:25

Lab Sample ID: IC 410-562891/5

Client Sample ID:

Date Analyzed: 10/14/24 19:05

Lab File ID: HC14X04.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	3.82	Incomplete Integration	JS6E	10/15/24 00:37
Vinyl acetate	4.98	Incomplete Integration	JS6E	10/15/24 00:24

Lab Sample ID: IC 410-562891/6

Client Sample ID:

Date Analyzed: 10/14/24 19:26

Lab File ID: HC14X05.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methoxymethane	1.92	Incomplete Integration	JS6E	10/15/24 00:18
Acetonitrile	3.81	Incomplete Integration	JS6E	10/15/24 00:19

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-198585-1

SDG No.:

Instrument ID: 19094

Analysis Batch Number: 562891

Lab Sample ID: IC 410-562891/7

Client Sample ID:

Date Analyzed: 10/14/24 19:47

Lab File ID: HC14X06.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	3.71	Incomplete Integration	JS6E	10/15/24 00:40

Lab Sample ID: IC 410-562891/8

Client Sample ID:

Date Analyzed: 10/14/24 20:08

Lab File ID: HC14X07.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	3.73	Incomplete Integration	JS6E	10/15/24 00:39

Lab Sample ID: IC 410-562891/9

Client Sample ID:

Date Analyzed: 10/14/24 20:29

Lab File ID: HC14X08.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	3.68	Incomplete Integration	JS6E	10/15/24 00:16

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-198585-1

SDG No.:

Instrument ID: 19094

Analysis Batch Number: 562891

Lab Sample ID: IC 410-562891/13

Client Sample ID:

Date Analyzed: 10/14/24 21:54

Lab File ID: HC14X12.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methyl acetate	3.78	Incomplete Integration	DVW2	10/15/24 08:17
t-Butyl alcohol	4.02	Incomplete Integration	DVW2	10/15/24 08:17
2-Butanone (MEK)	5.79	Incomplete Integration	DVW2	10/15/24 08:17
Propionitrile	5.91	Incomplete Integration	DVW2	10/15/24 08:17
Methacrylonitrile	6.08	Incomplete Integration	DVW2	10/15/24 08:18
Bromochloromethane	6.13	Incomplete Integration	DVW2	10/15/24 08:18
Isobutyl alcohol	6.92	Incomplete Integration	DVW2	10/15/24 08:18
n-Heptane	7.42	Baseline	UKEK	10/17/24 09:00
Trichloroethene	7.90	Incomplete Integration	DVW2	10/15/24 08:18
n-Butanol	7.93	Incomplete Integration	DVW2	10/15/24 08:18
1,4-Dioxane	8.35	Incomplete Integration	DVW2	10/15/24 08:18
Dibromomethane	8.35	Incomplete Integration	DVW2	10/15/24 08:18
Bromodichloromethane	8.59	Incomplete Integration	DVW2	10/15/24 08:18
2-Nitropropane	8.85	Incomplete Integration	DVW2	10/15/24 08:18
Ethyl methacrylate	9.91	Incomplete Integration	DVW2	10/15/24 08:19
1,1,2,2-Tetrachloroethane	12.12	Baseline	UKEK	10/17/24 08:52
1,2-Dibromo-3-Chloropropane	13.75	Incomplete Integration	JS6E	10/15/24 01:18

Lab Sample ID: IC 410-562891/14

Client Sample ID:

Date Analyzed: 10/14/24 22:15

Lab File ID: HC14X13.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methyl acetate	3.75	Incomplete Integration	DVW2	10/15/24 08:13
Methylene Chloride	3.92	Incomplete Integration	DVW2	10/15/24 08:13
Acrylonitrile	4.31	Incomplete Integration	DVW2	10/15/24 08:13
Propionitrile	5.90	Incomplete Integration	DVW2	10/15/24 08:13
n-Butanol	7.85	Incomplete Integration	DVW2	10/15/24 08:16
1,4-Dioxane	8.37	Incomplete Integration	DVW2	10/15/24 08:16

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-198585-1

SDG No.:

Instrument ID: 19094

Analysis Batch Number: 562891

Lab Sample ID: IC 410-562891/15

Client Sample ID:

Date Analyzed: 10/14/24 22:36

Lab File ID: HC14X14.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Vinyl chloride	2.15	Baseline	UKEK	10/17/24 08:47
Acrylonitrile	4.29	Incomplete Integration	DVW2	10/15/24 08:11
Propionitrile	5.87	Incomplete Integration	DVW2	10/15/24 08:13
n-Butanol	7.84	Incomplete Integration	DVW2	10/15/24 08:12
1,1,2,2-Tetrachloroethane	12.12	Baseline	UKEK	10/17/24 08:53

Lab Sample ID: IC 410-562891/16

Client Sample ID:

Date Analyzed: 10/14/24 22:57

Lab File ID: HC14X15.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methyl acetate	3.74	Baseline	UKEK	10/17/24 09:01
1,4-Dioxane	8.34	Incomplete Integration	DVW2	10/15/24 08:10
2-Nitropropane	8.85	Incomplete Integration	DVW2	10/15/24 08:10
1,1,2,2-Tetrachloroethane	12.12	Baseline	UKEK	10/17/24 08:53

Lab Sample ID: IC 410-562891/17

Client Sample ID:

Date Analyzed: 10/14/24 23:18

Lab File ID: HC14X16.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Propionitrile	5.84	Incomplete Integration	DVW2	10/15/24 08:14
2-Nitropropane	8.85	Incomplete Integration	DVW2	10/15/24 08:09
1,1,2,2-Tetrachloroethane	12.12	Baseline	UKEK	10/17/24 08:54

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-198585-1

SDG No.:

Instrument ID: 19094

Analysis Batch Number: 562891

Lab Sample ID: ICIS 410-562891/18

Client Sample ID:

Date Analyzed: 10/14/24 23:39

Lab File ID: HC14X17.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Propionitrile	5.84	Incomplete Integration	DVW2	10/15/24 08:14
n-Heptane	7.43	Peak assignment corrected	DVW2	10/15/24 08:07
1,4-Dioxane	8.33	Incomplete Integration	DVW2	10/15/24 08:08
1,1,2,2-Tetrachloroethane	12.12	Baseline	UKEK	10/17/24 08:54

Lab Sample ID: IC 410-562891/19

Client Sample ID:

Date Analyzed: 10/15/24 00:00

Lab File ID: HC14X18.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Propionitrile	5.84	Incomplete Integration	DVW2	10/15/24 08:14
n-Heptane	7.43	Incomplete Integration	DVW2	10/15/24 08:08
1,4-Dioxane	8.33	Incomplete Integration	DVW2	10/15/24 08:08
1,1,2,2-Tetrachloroethane	12.12	Baseline	UKEK	10/17/24 08:55

Lab Sample ID: ICV 410-562891/21

Client Sample ID:

Date Analyzed: 10/15/24 00:42

Lab File ID: HC14X20.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,1,2,2-Tetrachloroethane	12.12	Baseline	UKEK	10/17/24 08:55

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-198585-1

SDG No.:

Instrument ID: 19094

Analysis Batch Number: 581872

Lab Sample ID: 410-198585-1

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

Date Analyzed: 12/04/24 16:54

Lab File ID: HD04X22.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Carbon disulfide	3.59	Incomplete Integration	N9NA	12/05/24 07:22
cis-1,2-Dichloroethene	5.82	Incomplete Integration	N9NA	12/05/24 07:22
Trichloroethene	7.92	Incomplete Integration	N9NA	12/05/24 07:23

Lab Sample ID: 410-198585-2

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

Date Analyzed: 12/04/24 17:15

Lab File ID: HD04X23.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
cis-1,2-Dichloroethene	5.81	Incomplete Integration	N9NA	12/05/24 07:26
Trichloroethene	7.91	Incomplete Integration	N9NA	12/05/24 07:26

Lab Sample ID: 410-198585-3

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

Date Analyzed: 12/04/24 17:36

Lab File ID: HD04X24.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Carbon disulfide	3.60	Incomplete Integration	N9NA	12/05/24 07:29
Trichloroethene	7.92	Incomplete Integration	N9NA	12/05/24 07:30

Lab Sample ID: 410-198585-4

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

Date Analyzed: 12/04/24 17:57

Lab File ID: HD04X25.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Trichloroethene	7.93	Incomplete Integration	N9NA	12/05/24 07:32

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-198585-1

SDG No.:

Instrument ID: 19094

Analysis Batch Number: 581872

Lab Sample ID: 410-198585-5

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

Date Analyzed: 12/04/24 18:18

Lab File ID: HD04X26.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,1-Dichloroethane		Invalid Compound ID	N9NA	12/05/24 07:34

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC

Job No.: 410-198585-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
MSV_29_826ISS_00057	04/28/25	10/31/24	Methanol, Lot EH822	10 mL	MSV_8260_SS_01300	834 uL	1,2-Dichloroethane-d4 (Surr)	208.5 ug/mL
							4-Bromofluorobenzene (Surr)	208.5 ug/mL
							Dibromofluoromethane (Surr)	208.5 ug/mL
							Toluene-d8 (Surr)	208.5 ug/mL
					MSV_Cus826_IS_00687	834 uL	1,4-Dichlorobenzene-d4	208.5 ug/mL
							Chlorobenzene-d5 (IS)	208.5 ug/mL
							Fluorobenzene (IS)	208.5 ug/mL
.MSV_8260_SS_01300	04/30/29	Restek, Lot A0209669		(Purchased Reagent)	t-Butyl alcohol-d10 (IS)	1042.5 ug/mL		
					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_00687	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_CCV_CYC_00009	01/10/25	07/10/24	50/50 MeOH/Water, Lot EH471	50 mL	MSV_VCYC_STK_00012	5.81 mL	Cyclohexanone	6250.4 ug/mL
.MSV_VCYC_STK_00012	01/10/25	07/10/24	50/50 MeOH/Water, Lot EH471	10 mL	MSV_CYC_00009	0.5379 g	Cyclohexanone	53790 ug/mL
..MSV_CYC_00009	06/30/27	Chem Service, Lot 14568900			(Purchased Reagent)		Cyclohexanone	1 g/g
MSV_CCV_V5ACE_00041	11/09/24	10/10/24	Methanol, Lot EH822	10 mL	MSV_AcetatesV_00063	1 mL	Acetonitrile	5000 ug/mL
							Ethyl acetate	1000 ug/mL
							Vinyl acetate	1000 ug/mL
.MSV_AcetatesV_00063	11/30/24	Restek, Lot A0197847		(Purchased Reagent)	Acetonitrile	50000 ug/mL		
					Ethyl acetate	10000 ug/mL		
					Vinyl acetate	10000 ug/mL		
MSV_DME_00061	10/31/24	Restek, Lot A0190883			(Purchased Reagent)		Dimethyl ether	1000 ug/mL
MSV_LCS_VOC#1_00189	11/13/24	10/14/24	Methanol, Lot EH471	25 mL	MSV_M_MIX1SEC_00229	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-198585-1

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	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_00228	1 mL	Carbon disulfide	40 ug/mL					
					MSV_Q_Ketones_00222	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_00229	05/31/27	Restek, Lot A0211284			(Purchased Reagent)		1,1,1,2-Tetrachloroethane	1000 ug/mL					
					1,1,1-Trichloroethane	1000 ug/mL							
					1,1,2,2-Tetrachloroethane	1000 ug/mL							
					1,1,2-Trichloroethane	1000 ug/mL							
					1,1-Dichloroethane	1000 ug/mL							
					1,1-Dichloroethene	1000 ug/mL							
					1,2-Dibromoethane (EDB)	1000 ug/mL							
					1,2-Dichloroethane	1000 ug/mL							
					1,2-Dichloropropane	1000 ug/mL							
					Benzene	1000 ug/mL							
					Bromochloromethane	1000 ug/mL							
					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_00228	05/31/27	Restek, Lot A0212017			(Purchased Reagent)		Carbon disulfide	1000 ug/mL
										Methyl tert-butyl ether	1000 ug/mL		
					.MSV_Q_Ketones_00222	04/30/27	Restek, Lot A0209876			(Purchased Reagent)		2-Butanone (MEK)	12500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-198585-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone (MIBK)	12500 ug/mL
							Acetone	12500 ug/mL
MSV_LCS_VOC#1_00197	01/01/25	12/02/24	Methanol, Lot EH471	25 mL	MSV_M_MIX1SEC_00237	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_00239	1 mL	Carbon disulfide	40 ug/mL
							Methyl tert-butyl ether	40 ug/mL
					MSV_Q_Ketones_00237	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_00237	05/31/27	Restek, Lot A0211284			(Purchased Reagent)		1,1,1,2-Tetrachloroethane	1000 ug/mL
							1,1,1-Trichloroethane	1000 ug/mL
							1,1,2,2-Tetrachloroethane	1000 ug/mL
							1,1,2-Trichloroethane	1000 ug/mL
							1,1-Dichloroethane	1000 ug/mL
							1,1-Dichloroethene	1000 ug/mL
							1,2-Dibromoethane (EDB)	1000 ug/mL
							1,2-Dichloroethane	1000 ug/mL
							1,2-Dichloropropane	1000 ug/mL
							Benzene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-198585-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00239	05/31/27		Restek, Lot A0212017		(Purchased Reagent)		Carbon disulfide	1000 ug/mL
							Methyl tert-butyl ether	1000 ug/mL
.MSV_Q_Ketones_00237	04/30/27		Restek, Lot A0209876		(Purchased Reagent)		2-Butanone (MEK)	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone (MIBK)	12500 ug/mL
							Acetone	12500 ug/mL
MSV_LCS_VOC#1_00198	01/08/25	12/09/24	Methanol, Lot EH471	25 mL	MSV_M_MIX1SEC_00239	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-198585-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00240	1 mL	Carbon disulfide	40 ug/mL
					MSV_Q_Ketones_00236	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_00239	05/31/27	Restek, Lot A0211284			(Purchased Reagent)		1,1,1,2-Tetrachloroethane	1000 ug/mL
						1,1,1-Trichloroethane	1000 ug/mL	
						1,1,2,2-Tetrachloroethane	1000 ug/mL	
						1,1,2-Trichloroethane	1000 ug/mL	
						1,1-Dichloroethane	1000 ug/mL	
						1,1-Dichloroethene	1000 ug/mL	
						1,2-Dibromoethane (EDB)	1000 ug/mL	
						1,2-Dichloroethane	1000 ug/mL	
						1,2-Dichloropropane	1000 ug/mL	
						Benzene	1000 ug/mL	
						Bromochloromethane	1000 ug/mL	
						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_00240	05/31/27	Restek, Lot A0212017			(Purchased Reagent)		Carbon disulfide	1000 ug/mL
						Methyl tert-butyl ether	1000 ug/mL	
.MSV_Q_Ketones_00236	04/30/27	Restek, Lot A0209876			(Purchased Reagent)		2-Butanone (MEK)	12500 ug/mL
						2-Hexanone	12500 ug/mL	
						4-Methyl-2-pentanone (MIBK)	12500 ug/mL	
						Acetone	12500 ug/mL	
MSV_LL_#1_826_00150	11/06/24	10/14/24	Methanol, Lot EH822	1 mL	MSV_CCV_VOC#1_00205	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-198585-1

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	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-Trichloropropene	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropene	50 ug/mL
							1,2-Dibromoethane (EDB)	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropene	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropene	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							2,2-Dichloropropene	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							4-Isopropyltoluene	50 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	100 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							N-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-198585-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	50 ug/mL
							1,2,3-Trimethylbenzene	50 ug/mL
							1,3,5-Trichlorobenzene	50 ug/mL
							1,4-Dioxane	2500 ug/mL
							1-Chlorohexane	50 ug/mL
							2-Chloro-1,3-butadiene	50 ug/mL
							2-Methyl-2-propanol	1000 ug/mL
							2-Nitropropane	250 ug/mL
							3-Chloro-1-propene	50 ug/mL
							Acrylonitrile	125 ug/mL
							Benzyl chloride	50 ug/mL
							Carbon disulfide	50 ug/mL
							Cyclohexane	50 ug/mL
							Ethyl methacrylate	50 ug/mL
							Hexane	50 ug/mL
							Iodomethane	50 ug/mL
							Isobutyl alcohol	2500 ug/mL
							Isopropyl ether	50 ug/mL
							Methacrylonitrile	500 ug/mL
							Methyl acetate	50 ug/mL
							Methyl methacrylate	50 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylcyclohexane	50 ug/mL
							n-Butanol	4375 ug/mL
							n-Heptane	50 ug/mL
							Propionitrile	1000 ug/mL
							Tert-amyl methyl ether	50 ug/mL
							Tert-butyl ethyl ether	50 ug/mL
							Tetrahydrofuran	250 ug/mL
							trans-1,4-Dichloro-2-butene	500 ug/mL
					MSV_CCV_VOC#3_00202	200 uL	Acrolein	2505.32 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_00258	150 uL	1,4-Dioxane	2500 ug/mL
							2-Methyl-2-propanol	1000 ug/mL
							Isobutyl alcohol	2500 ug/mL
							Methacrylonitrile	500 ug/mL
							n-Butanol	4375 ug/mL
							Propionitrile	1000 ug/mL
							trans-1,4-Dichloro-2-butene	500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-198585-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.MSV_CCV_VOC#1_00205	11/13/24	10/14/24	Methanol, Lot EH471	5 mL	MSV_MegaMIX#1_00205	1 mL	1,1,1,2-Tetrachloroethane	1000 ug/mL
							1,1,1-Trichloroethane	1000 ug/mL
							1,1,2,2-Tetrachloroethane	1000 ug/mL
							1,1,2-Trichloroethane	1000 ug/mL
							1,1-Dichloroethane	1000 ug/mL
							1,1-Dichloroethene	1000 ug/mL
							1,1-Dichloropropene	1000 ug/mL
							1,2,3-Trichlorobenzene	1000 ug/mL
							1,2,3-Trichloropropane	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2,4-Trimethylbenzene	1000 ug/mL
							1,2-Dibromo-3-Chloropropane	1000 ug/mL
							1,2-Dibromoethane (EDB)	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Dichloroethane	1000 ug/mL
							1,2-Dichloropropane	1000 ug/mL
							1,3,5-Trimethylbenzene	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dichloropropane	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							2,2-Dichloropropane	1000 ug/mL
							2-Chlorotoluene	1000 ug/mL
							4-Chlorotoluene	1000 ug/mL
							4-Isopropyltoluene	1000 ug/mL
							Benzene	1000 ug/mL
							Bromobenzene	1000 ug/mL
							Bromochloromethane	1000 ug/mL
							Bromodichloromethane	1000 ug/mL
							Bromoform	1000 ug/mL
							Carbon tetrachloride	1000 ug/mL
							Chlorobenzene	1000 ug/mL
							Chloroform	1000 ug/mL
							cis-1,2-Dichloroethene	1000 ug/mL
							cis-1,3-Dichloropropene	1000 ug/mL
							Dibromochloromethane	1000 ug/mL
							Dibromomethane	1000 ug/mL
							Ethylbenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Isopropylbenzene	1000 ug/mL
							m-Xylene & p-Xylene	2000 ug/mL
							Methylene Chloride	1000 ug/mL
							n-Butylbenzene	1000 ug/mL
							N-Propylbenzene	1000 ug/mL
							Naphthalene	1000 ug/mL
							o-Xylene	1000 ug/mL
							sec-Butylbenzene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-198585-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00201	1 mL	1,1,2-Trichloro-1,2,2-trifluor oethane	1000 ug/mL
					1,2,3-Trimethylbenzene		1000 ug/mL	
					1,3,5-Trichlorobenzene		1000 ug/mL	
					1,4-Dioxane		12500 ug/mL	
					1-Chlorohexane		1000 ug/mL	
					2-Chloro-1,3-butadiene		1000 ug/mL	
					2-Methyl-2-propanol		5000 ug/mL	
					2-Nitropropane		5000 ug/mL	
					3-Chloro-1-propene		1000 ug/mL	
					Acrylonitrile		2500 ug/mL	
					Benzyl chloride		1000 ug/mL	
					Carbon disulfide		1000 ug/mL	
					Cyclohexane		1000 ug/mL	
					Ethyl methacrylate		1000 ug/mL	
					Hexane		1000 ug/mL	
					Iodomethane		1000 ug/mL	
					Isobutyl alcohol		12500 ug/mL	
					Isopropyl ether		1000 ug/mL	
					Methacrylonitrile		2500 ug/mL	
					Methyl acetate		1000 ug/mL	
					Methyl methacrylate		1000 ug/mL	
					Methyl tert-butyl ether		1000 ug/mL	
					Methylcyclohexane		1000 ug/mL	
					n-Butanol		12500 ug/mL	
					n-Heptane		1000 ug/mL	
					Propionitrile		5000 ug/mL	
					Tert-amyl methyl ether		1000 ug/mL	
					Tert-butyl ethyl ether		1000 ug/mL	
					Tetrahydrofuran		5000 ug/mL	
					trans-1,4-Dichloro-2-butene		2500 ug/mL	
..MSV_MegaMIX#1_00205	11/13/24	Restek, Lot A0211483			(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							

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-198585-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,4-Trichlorobenzene	5000 ug/mL
							1,2,4-Trimethylbenzene	5000 ug/mL
							1,2-Dibromo-3-Chloropropane	5000 ug/mL
							1,2-Dibromoethane (EDB)	5000 ug/mL
							1,2-Dichlorobenzene	5000 ug/mL
							1,2-Dichloroethane	5000 ug/mL
							1,2-Dichloropropane	5000 ug/mL
							1,3,5-Trimethylbenzene	5000 ug/mL
							1,3-Dichlorobenzene	5000 ug/mL
							1,3-Dichloropropane	5000 ug/mL
							1,4-Dichlorobenzene	5000 ug/mL
							2,2-Dichloropropane	5000 ug/mL
							2-Chlorotoluene	5000 ug/mL
							4-Chlorotoluene	5000 ug/mL
							4-Isopropyltoluene	5000 ug/mL
							Benzene	5000 ug/mL
							Bromobenzene	5000 ug/mL
							Bromochloromethane	5000 ug/mL
							Bromodichloromethane	5000 ug/mL
							Bromoform	5000 ug/mL
							Carbon tetrachloride	5000 ug/mL
							Chlorobenzene	5000 ug/mL
							Chloroform	5000 ug/mL
							cis-1,2-Dichloroethene	5000 ug/mL
							cis-1,3-Dichloropropene	5000 ug/mL
							Dibromochloromethane	5000 ug/mL
							Dibromomethane	5000 ug/mL
							Ethylbenzene	5000 ug/mL
							Hexachlorobutadiene	5000 ug/mL
							Isopropylbenzene	5000 ug/mL
							m-Xylene & p-Xylene	10000 ug/mL
							Methylene Chloride	5000 ug/mL
							n-Butylbenzene	5000 ug/mL
							N-Propylbenzene	5000 ug/mL
							Naphthalene	5000 ug/mL
							o-Xylene	5000 ug/mL
							sec-Butylbenzene	5000 ug/mL
							Styrene	5000 ug/mL
							tert-Butylbenzene	5000 ug/mL
							Tetrachloroethene	5000 ug/mL
							Toluene	5000 ug/mL
							trans-1,2-Dichloroethene	5000 ug/mL
							trans-1,3-Dichloropropene	5000 ug/mL
							Trichloroethene	5000 ug/mL
..MSV_MegaMix#2_00201	11/13/24		Restek, Lot A0212010		(Purchased Reagent)		1,1,2-Trichloro-1,2,2-trifluor oethane	5000 ug/mL
							1,2,3-Trimethylbenzene	5000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-198585-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3,5-Trichlorobenzene	5000 ug/mL
							1,4-Dioxane	62500 ug/mL
							1-Chlorohexane	5000 ug/mL
							2-Chloro-1,3-butadiene	5000 ug/mL
							2-Methyl-2-propanol	25000 ug/mL
							2-Nitropropane	25000 ug/mL
							3-Chloro-1-propene	5000 ug/mL
							Acrylonitrile	12500 ug/mL
							Benzyl chloride	5000 ug/mL
							Carbon disulfide	5000 ug/mL
							Cyclohexane	5000 ug/mL
							Ethyl methacrylate	5000 ug/mL
							Hexane	5000 ug/mL
							Iodomethane	5000 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Isopropyl ether	5000 ug/mL
							Methacrylonitrile	12500 ug/mL
							Methyl acetate	5000 ug/mL
							Methyl methacrylate	5000 ug/mL
							Methyl tert-butyl ether	5000 ug/mL
							Methylcyclohexane	5000 ug/mL
							n-Butanol	62500 ug/mL
							n-Heptane	5000 ug/mL
							Propionitrile	25000 ug/mL
							Tert-amyl methyl ether	5000 ug/mL
							Tert-butyl ethyl ether	5000 ug/mL
							Tetrahydrofuran	25000 ug/mL
							trans-1,4-Dichloro-2-butene	12500 ug/mL
.MSV_CCV_VOC#3_00202	11/13/24	10/14/24	Methanol, Lot EH471	5 mL	MSV_CCV_ACR_00023	0.5 mL	Acrolein	12526.6 ug/mL
					MSV_V_Ketones_00201	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_00023	11/25/24	09/26/24	Methanol, Lot EH471	10 mL	MSV_VACR_STK_00043	8.846 mL	Acrolein	125266 ug/mL
...MSV_VACR_STK_00043	11/25/24	09/26/24	Methanol, Lot EH471	10 mL	MSV_ACROLEIN_00035	1.5243 g	Acrolein	141607 ug/mL
....MSV_ACROLEIN_00035	01/31/25		Chem Service, Lot 15493200		(Purchased Reagent)		Acrolein	0.929 g/g
..MSV_V_Ketones_00201	04/30/27		Restek, Lot A0210935		(Purchased Reagent)		2-Butanone (MEK)	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone (MIBK)	12500 ug/mL
							Acetone	12500 ug/mL
.MSV_V_VOA2_00258	11/13/24	10/14/24	Methanol, Lot EH471	5 mL	MSV_V#2B_00395	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-198585-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..MSV_V#2B_00395	05/31/26		Restek, Lot A0211456		(Purchased Reagent)		trans-1,4-Dichloro-2-butene	2500 ug/mL
							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_00154	12/25/24	11/25/24	Methanol, Lot EH822	1 mL	MSV_CCV_VOC#1_00211	50 uL	1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,2-Dibromoethane (EDB)	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							Benzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							Methylene Chloride	50 ug/mL
							Styrene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL
							Carbon disulfide	50 ug/mL
							Methyl tert-butyl ether	50 ug/mL
					MSV_CCV_VOC#3_00210	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_00211	12/25/24	11/25/24	Methanol, Lot EH471	5 mL	MSV_MegaMIX#1_00207	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-198585-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00206	1 mL	Carbon disulfide	1000 ug/mL
					..MSV_MegaMIX#1_00207	12/25/24	Restek, Lot A0211483	
1,1,1,2-Tetrachloroethane	5000 ug/mL							
1,1,1-Trichloroethane	5000 ug/mL							
1,1,2,2-Tetrachloroethane	5000 ug/mL							
1,1,2-Trichloroethane	5000 ug/mL							
1,1-Dichloroethane	5000 ug/mL							
1,1-Dichloroethene	5000 ug/mL							
1,2-Dibromoethane (EDB)	5000 ug/mL							
1,2-Dichloroethane	5000 ug/mL							
1,2-Dichloropropane	5000 ug/mL							
Benzene	5000 ug/mL							
Bromochloromethane	5000 ug/mL							
Bromodichloromethane	5000 ug/mL							
Bromoform	5000 ug/mL							
Carbon tetrachloride	5000 ug/mL							
Chlorobenzene	5000 ug/mL							
Chloroform	5000 ug/mL							
cis-1,2-Dichloroethene	5000 ug/mL							
cis-1,3-Dichloropropene	5000 ug/mL							
Dibromochloromethane	5000 ug/mL							
Ethylbenzene	5000 ug/mL							
Methylene Chloride	5000 ug/mL							
Styrene	5000 ug/mL							

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-198585-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00206	12/25/25		Restek, Lot A0212010		(Purchased Reagent)		Carbon disulfide	5000 ug/mL
							Methyl tert-butyl ether	5000 ug/mL
.MSV_CCV_VOC#3_00210	12/25/24	11/25/24	Methanol, Lot EH471	5 mL	MSV_V_Ketones_00207	1 mL	2-Butanone (MEK)	2500 ug/mL
							2-Hexanone	2500 ug/mL
							4-Methyl-2-pentanone (MIBK)	2500 ug/mL
							Acetone	2500 ug/mL
..MSV_V_Ketones_00207	04/30/27		Restek, Lot A0210935		(Purchased Reagent)		2-Butanone (MEK)	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone (MIBK)	12500 ug/mL
							Acetone	12500 ug/mL
MSV_LL_#1_826_00155	01/01/25	12/02/24	Methanol, Lot EH822	1 mL	MSV_CCV_VOC#1_00212	50 uL	1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dibromoethane (EDB)	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							4-Isopropyltoluene	50 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-198585-1

SDG No.:

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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-198585-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Heptane	50 ug/mL
							Propionitrile	1000 ug/mL
							Tert-amyl methyl ether	50 ug/mL
							Tert-butyl ethyl ether	50 ug/mL
							Tetrahydrofuran	250 ug/mL
							trans-1,4-Dichloro-2-butene	500 ug/mL
					MSV_CCV_VOC#3_00211	200 uL	Acrolein	2439.65 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_00266	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
.MSV_CCV_VOC#1_00212	01/01/25	12/02/24	Methanol, Lot EH471	5 mL	MSV_MegaMIX#1_00211	1 mL	Propionitrile	1000 ug/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
							Bromodichloromethane	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-198585-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
					MSV_MegaMix#2_00209	1 mL	Trichloroethene	1000 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	1000 ug/mL
							1,2,3-Trimethylbenzene	1000 ug/mL
							1,3,5-Trichlorobenzene	1000 ug/mL
							1,4-Dioxane	12500 ug/mL
							1-Chlorohexane	1000 ug/mL
							2-Chloro-1,3-butadiene	1000 ug/mL
							2-Methyl-2-propanol	5000 ug/mL
							2-Nitropropane	5000 ug/mL
							3-Chloro-1-propene	1000 ug/mL
							Acrylonitrile	2500 ug/mL
							Benzyl chloride	1000 ug/mL
							Carbon disulfide	1000 ug/mL
							Cyclohexane	1000 ug/mL
							Ethyl methacrylate	1000 ug/mL
							Hexane	1000 ug/mL
							Iodomethane	1000 ug/mL
							Isobutyl alcohol	12500 ug/mL
							Isopropyl ether	1000 ug/mL
							Methacrylonitrile	2500 ug/mL
							Methyl acetate	1000 ug/mL
							Methyl methacrylate	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-198585-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00211	01/01/25	Restek, Lot A0211483			(Purchased Reagent)		1,1,1,2-Tetrachloroethane	5000 ug/mL
							1,1,1-Trichloroethane	5000 ug/mL
							1,1,2,2-Tetrachloroethane	5000 ug/mL
							1,1,2-Trichloroethane	5000 ug/mL
							1,1-Dichloroethane	5000 ug/mL
							1,1-Dichloroethene	5000 ug/mL
							1,1-Dichloropropene	5000 ug/mL
							1,2,3-Trichlorobenzene	5000 ug/mL
							1,2,3-Trichloropropane	5000 ug/mL
							1,2,4-Trichlorobenzene	5000 ug/mL
							1,2,4-Trimethylbenzene	5000 ug/mL
							1,2-Dibromo-3-Chloropropane	5000 ug/mL
							1,2-Dibromoethane (EDB)	5000 ug/mL
							1,2-Dichlorobenzene	5000 ug/mL
							1,2-Dichloroethane	5000 ug/mL
							1,2-Dichloropropane	5000 ug/mL
							1,3,5-Trimethylbenzene	5000 ug/mL
							1,3-Dichlorobenzene	5000 ug/mL
							1,3-Dichloropropane	5000 ug/mL
							1,4-Dichlorobenzene	5000 ug/mL
							2,2-Dichloropropane	5000 ug/mL
							2-Chlorotoluene	5000 ug/mL
							4-Chlorotoluene	5000 ug/mL
							4-Isopropyltoluene	5000 ug/mL
							Benzene	5000 ug/mL
							Bromobenzene	5000 ug/mL
							Bromochloromethane	5000 ug/mL
							Bromodichloromethane	5000 ug/mL
							Bromoform	5000 ug/mL
							Carbon tetrachloride	5000 ug/mL
							Chlorobenzene	5000 ug/mL
							Chloroform	5000 ug/mL
							cis-1,2-Dichloroethene	5000 ug/mL
							cis-1,3-Dichloropropene	5000 ug/mL
							Dibromochloromethane	5000 ug/mL
							Dibromomethane	5000 ug/mL
							Ethylbenzene	5000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-198585-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00209	01/01/25		Restek, Lot A0212010		(Purchased Reagent)		1,1,2-Trichloro-1,2,2-trifluoroethane	5000 ug/mL
							1,2,3-Trimethylbenzene	5000 ug/mL
							1,3,5-Trichlorobenzene	5000 ug/mL
							1,4-Dioxane	62500 ug/mL
							1-Chlorohexane	5000 ug/mL
							2-Chloro-1,3-butadiene	5000 ug/mL
							2-Methyl-2-propanol	25000 ug/mL
							2-Nitropropane	25000 ug/mL
							3-Chloro-1-propene	5000 ug/mL
							Acrylonitrile	12500 ug/mL
							Benzyl chloride	5000 ug/mL
							Carbon disulfide	5000 ug/mL
							Cyclohexane	5000 ug/mL
							Ethyl methacrylate	5000 ug/mL
							Hexane	5000 ug/mL
							Iodomethane	5000 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Isopropyl ether	5000 ug/mL
							Methacrylonitrile	12500 ug/mL
							Methyl acetate	5000 ug/mL
							Methyl methacrylate	5000 ug/mL
							Methyl tert-butyl ether	5000 ug/mL
							Methylcyclohexane	5000 ug/mL
							n-Butanol	62500 ug/mL
							n-Heptane	5000 ug/mL
							Propionitrile	25000 ug/mL
							Tert-amyl methyl ether	5000 ug/mL
							Tert-butyl ethyl ether	5000 ug/mL
							Tetrahydrofuran	25000 ug/mL
							trans-1,4-Dichloro-2-butene	12500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-198585-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.MSV_CCV_VOC#3_00211	01/01/25	12/02/24	Methanol, Lot EH471	5 mL	MSV_CCV_ACR_00024	0.5 mL	Acrolein	12198.3 ug/mL
					MSV_V_Ketones_00208	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_00024	01/20/25	11/21/24	Methanol, Lot EH471	10 mL	MSV_VACR_STK_00044	9.004 mL	Acrolein	121983 ug/mL
...MSV_VACR_STK_00044	01/20/25	11/21/24	Methanol, Lot EH471	10 mL	MSV_ACROLEIN_00037	1.4583 g	Acrolein	135476 ug/mL
....MSV_ACROLEIN_00037	01/31/25	Chem Service, Lot 15807600				(Purchased Reagent)	Acrolein	0.929 g/g
..MSV_V_Ketones_00208	04/30/27	Restek, Lot A0210935				(Purchased Reagent)	2-Butanone (MEK)	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone (MIBK)	12500 ug/mL
							Acetone	12500 ug/mL
.MSV_V_VOA2_00266	01/01/25	12/02/24	Methanol, Lot EH471	5 mL	MSV_V#2B_00401	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_00401	05/31/26
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_#2_826_00157	10/25/24	10/14/24	Methanol, Lot EH822	1 mL	CCV_ETBR_00007	50 uL	Ethyl bromide	50.085 ug/mL
					MSV_BCE_00077	25 uL	1-Bromo-2-chloroethane	50 ug/mL
					MSV_CCV_EE_00007	50 uL	Ethyl ether	49.9948 ug/mL
					MSV_V_PentaCL_00071	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_00077	11/06/24	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_00071	10/25/24	Restek, Lot A0197490				(Purchased Reagent)	Pentachloroethane	5000 ug/mL
MSV_LL_#2_826_00163	12/05/24	11/25/24	Methanol, Lot EH822	1 mL	CCV_ETBR_00008	50 uL	Ethyl bromide	50.0802 ug/mL
					MSV_BCE_00073	25 uL	1-Bromo-2-chloroethane	50 ug/mL
					MSV_CCV_EE_00008	50 uL	Ethyl ether	49.9966 ug/mL
					MSV_V_PentaCL_00063	10 uL	Pentachloroethane	50 ug/mL
.CCV_ETBR_00008	05/06/25	11/06/24	Methanol, Lot EH471	10 mL	MSV_VETBR_STK_00017	0.191 mL	Ethyl bromide	1001.6 ug/mL
..MSV_VETBR_STK_00017	05/06/25	11/06/24	Methanol, Lot EH471	10 mL	MSV_EtBr_00010	0.5244 g	Ethyl bromide	52440 ug/mL
...MSV_EtBr_00010	06/30/25	Chem Service, Lot 13345600				(Purchased Reagent)	Ethyl bromide	1 g/g
.MSV_BCE_00073	12/05/24	Restek, Lot A0201612				(Purchased Reagent)	1-Bromo-2-chloroethane	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-198585-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.MSV_CCV_EE_00008	05/06/25	11/06/24	Methanol, Lot EH471	50 mL	MSV_EE_MISCSK_00015	1.115 mL	Ethyl ether	999.932 ug/mL
..MSV_EE_MISCSK_00015	05/06/25	11/06/24	Methanol, Lot EH471	10 mL	MSV_EE_Neat_00012	0.4484 g	Ethyl ether	44840 ug/mL
...MSV_EE_Neat_00012	06/30/27	Chem Service, Lot 14084700			(Purchased Reagent)		Ethyl ether	1 g/g
.MSV_V_PentaCL_00063	12/25/24	Restek, Lot A0197490			(Purchased Reagent)		Pentachloroethane	5000 ug/mL
MSV_LL_GAS826_00238	10/21/24	10/14/24	Methanol, Lot EH822	1 mL	MSV_CCV_GASES_00887	25 uL	1,2-Dichloro-1,1,2-trifluoroet hane	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_00887	10/21/24	Restek, Lot A0212054			(Purchased Reagent)		Vinyl chloride	50 ug/mL
							1,2-Dichloro-1,1,2-trifluoroet hane	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_00247	12/10/24	12/03/24	Methanol, Lot EH822	1 mL	MSV_CCV_GASES_00930	25 uL	1,2-Dichloro-1,1,2-trifluoroet hane	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_00930	12/10/24	Restek, Lot A0212054			(Purchased Reagent)		Vinyl chloride	50 ug/mL
							1,2-Dichloro-1,1,2-trifluoroet hane	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_00248	12/17/24	12/10/24	Methanol, Lot EH822	1 mL	MSV_CCV_GASES_00919	25 uL	Bromomethane	50 ug/mL
							Chloroethane	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
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Job No.: 410-198585-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chloromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
.MSV_CCV_GASES_00919	12/17/24		Restek, Lot A0212054		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MSV_LLcentISO_00009	12/17/24	08/12/24	Methanol, Lot EH822	50 mL	MSV_Cus826_IS_00791	1 mL	1,4-Dichlorobenzene-d4	50 ug/mL
							Chlorobenzene-d5 (IS)	50 ug/mL
							Fluorobenzene (IS)	50 ug/mL
							t-Butyl alcohol-d10 (IS)	250 ug/mL
.MSV_Cus826_IS_00791	04/30/26		Restek, Lot A0197488		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5 (IS)	2500 ug/mL
							Fluorobenzene (IS)	2500 ug/mL
							t-Butyl alcohol-d10 (IS)	12500 ug/mL
MSV_LLcentISS_00013	12/17/24	06/17/24	Methanol, Lot EH822	50 mL	MSV_Cus826_IS_00791	1 mL	1,4-Dichlorobenzene-d4	50 ug/mL
							Chlorobenzene-d5 (IS)	50 ug/mL
							Fluorobenzene (IS)	50 ug/mL
							t-Butyl alcohol-d10 (IS)	250 ug/mL
.MSV_Cus826_IS_00791	04/30/26		Restek, Lot A0197488		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5 (IS)	2500 ug/mL
							Fluorobenzene (IS)	2500 ug/mL
							t-Butyl alcohol-d10 (IS)	12500 ug/mL
MSV_LLcentISS_00013	12/17/24	06/17/24	Methanol, Lot EH822	50 mL	MSV_8260_SS_01219	1 mL	1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene (Surr)	50 ug/mL
							Dibromofluoromethane (Surr)	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
.MSV_8260_SS_01219	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_LLcentISS_00014	03/24/25	09/24/24	Methanol, Lot EH822	50 mL	MSV_8260_SS_01286	1 mL	1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene (Surr)	50 ug/mL
							Dibromofluoromethane (Surr)	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
					MSV_Cus826_IS_00804	1 mL	1,4-Dichlorobenzene-d4	50 ug/mL
							Chlorobenzene-d5 (IS)	50 ug/mL
							Fluorobenzene (IS)	50 ug/mL
							t-Butyl alcohol-d10 (IS)	250 ug/mL
.MSV_8260_SS_01286	04/30/29		Restek, Lot A0209669		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
.MSV_Cus826_IS_00804	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-198585-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							t-Butyl alcohol-d10 (IS)	12500 ug/mL
MSV_QC_Gas826_00226	10/21/24	10/14/24	Methanol, Lot EH822	1 mL	MSV_QC_2K_GAS_00276	20 uL	Bromomethane	40 ug/mL
							Chloroethane	40 ug/mL
							Chloromethane	40 ug/mL
							Vinyl chloride	40 ug/mL
.MSV_QC_2K_GAS_00276	10/21/24		Restek, Lot A0211460		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MSV_QC_Gas826_00234	12/05/24	12/02/24	Methanol, Lot EH822	1 mL	MSV_QC_2K_GAS_00279	20 uL	Bromomethane	40 ug/mL
							Chloroethane	40 ug/mL
							Chloromethane	40 ug/mL
							Vinyl chloride	40 ug/mL
.MSV_QC_2K_GAS_00279	12/09/24		Restek, Lot A0211460		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MSV_QC_Gas826_00236	12/16/24	12/09/24	Methanol, Lot EH822	1 mL	MSV_QC_2K_GAS_00280	20 uL	Bromomethane	40 ug/mL
							Chloroethane	40 ug/mL
							Chloromethane	40 ug/mL
							Vinyl chloride	40 ug/mL
.MSV_QC_2K_GAS_00280	12/16/24		Restek, Lot A0211460		(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	0.09 mL	BFB	50.112 ug/mL
.MSV_VBFB_STK_00012	12/02/24	06/02/24	Methanol, Lot EH471	10 mL	MSV_4BFB_NEAT_00011	1.392 g	BFB	139200 ug/mL
..MSV_4BFB_NEAT_00011	05/31/25		Chem Service, Lot 15267000		(Purchased Reagent)		BFB	1 g/g
MSV_V_BFB_00018							1,2-Dichloroethene, Total	
							1,3-Dichloropropene, Total	
							Tentatively Identified Compound	
							Xylenes, Total	
					MSV_VBFB_STK_00013	0.09 mL	BFB	50.076 ug/mL
.MSV_VBFB_STK_00013	05/31/25	12/02/24	Methanol, Lot EH471	10 mL	MSV_4BFB_NEAT_00012	1.391 g	BFB	139100 ug/mL
..MSV_4BFB_NEAT_00012	05/31/25		Chem Service, Lot 15267000		(Purchased Reagent)		BFB	1 g/g
MSV_V_SMRV4_00078	11/06/24	10/14/24	Methanol, Lot EH822	1 mL	MSV_CCV_2CEVE_00197	200 uL	2-Chloroethyl vinyl ether	200 ug/mL
					MSV_CCV_LKB_00011	400 uL	cis-1,4-Dichloro-2-butene	399.946 ug/mL
					MSV_V_SMFreon_00069	100 uL	Chlorodifluoromethane	200 ug/mL
.MSV_CCV_2CEVE_00197	11/13/24	10/14/24	Methanol, Lot EH471	5 mL	MSV_V_2CLEVE_00201	1 mL	2-Chloroethyl vinyl ether	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-198585-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..MSV_V_2CLEVE_00201	05/31/27		Restek, Lot A0211425		(Purchased Reagent)		2-Chloroethyl vinyl ether	5000 ug/mL
.MSV_CCV_LKB_00011	12/13/24	09/06/24	Methanol, Lot EH471	50 mL	MSV_Vc14d_STK_00011	1.233 mL	cis-1,4-Dichloro-2-butene	999.864 ug/mL
..MSV_Vc14d_STK_00011	12/13/24	06/13/24	Methanol, Lot EH471	10 mL	MSV_c14dcb_Nt_00004	0.4268 g	cis-1,4-Dichloro-2-butene	40546 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_00069	11/06/24		Restek, Lot A0197864		(Purchased Reagent)		Chlorodifluoromethane	2000 ug/mL

Reagent

MSV_8260_SS_01300



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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. : 30240 **Lot No.:** A0209669

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

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

Expiration Date : April 30, 2029 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dibromofluoromethane	1868-53-7	022013	99%	2,508.3 µg/mL	+/- 140.9026
2	1,2-Dichloroethane-d4	17060-07-0	PR-33313	99%	2,520.3 µg/mL	+/- 141.5767
3	Toluene-d8	2037-26-5	PR-34141	99%	2,518.3 µg/mL	+/- 141.4644
4	1-Bromo-4-fluorobenzene (BFB)	460-00-4	0000194533	99%	2,517.0 µg/mL	+/- 141.3941

* 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:

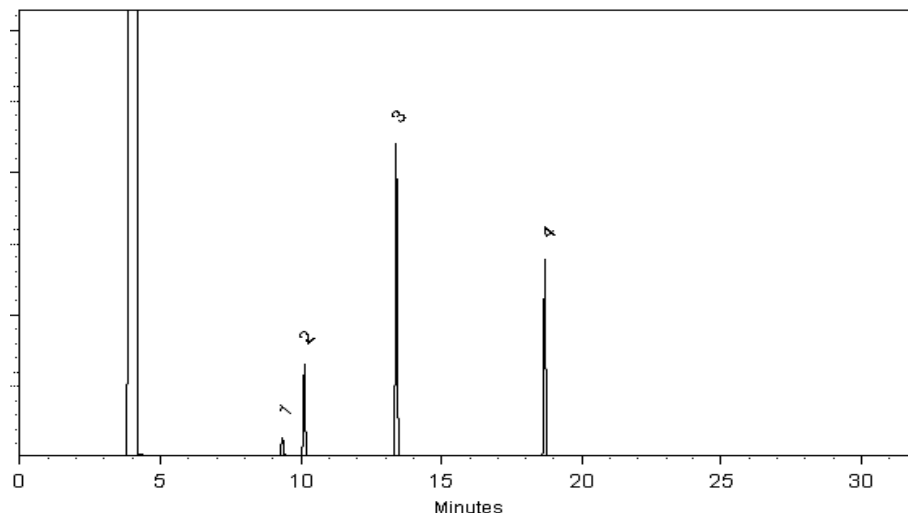
FID

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.

Ethan Winiarski - Operations Tech I

Date Mixed: 01-Apr-2024

Balance Serial # 1128342314

Dillan Murphy - Operations Technician I

Date Passed: 03-Apr-2024

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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_AcetatesV_00063



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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:

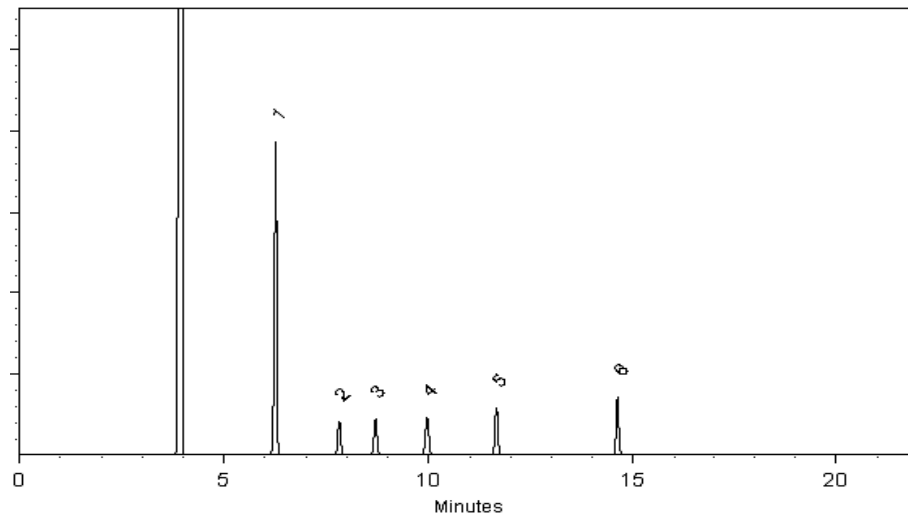
FID

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_00073



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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:

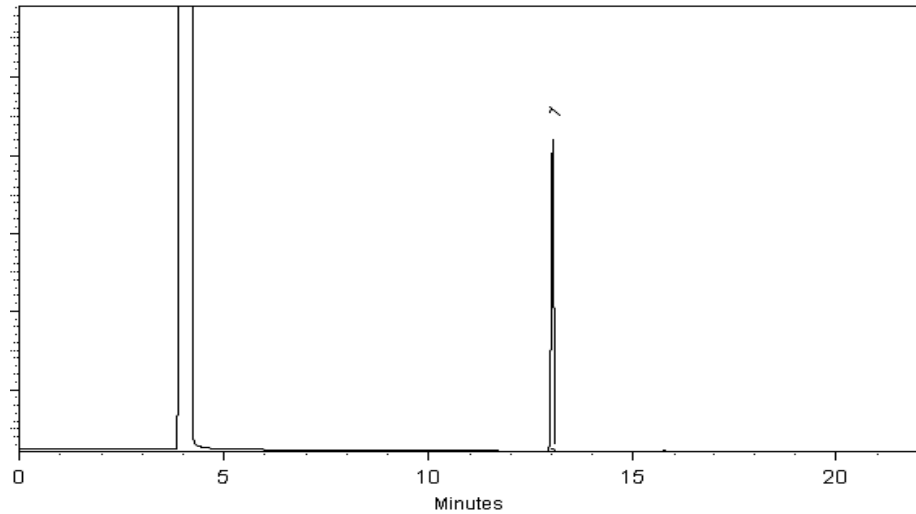
FID

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_BCE_00077



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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:

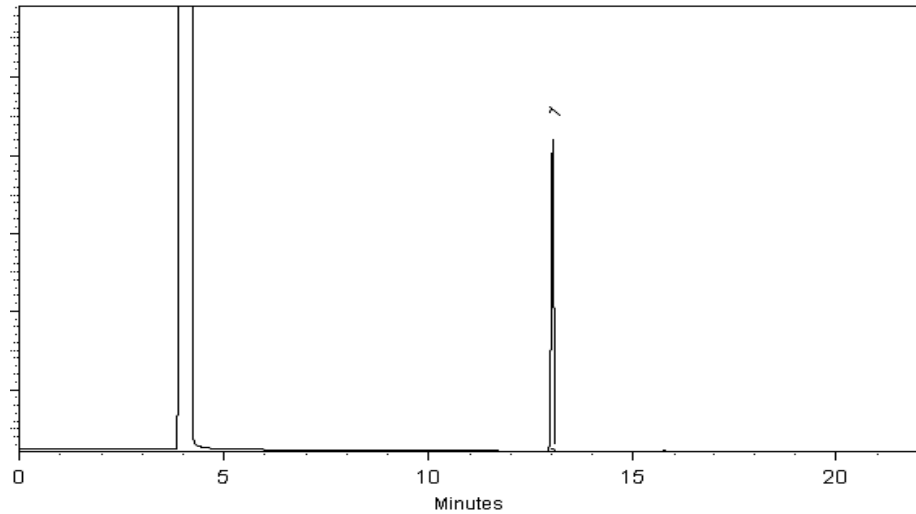
FID

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

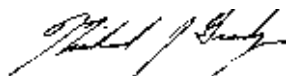
Product Name:

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_00687



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. : 558267 **Lot No.:** A0203141
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 : October 31, 2026 **Storage:** 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Methyl-2-propanol-d10	53001-22-2	PR-29961	99%	12,504.0 µg/mL	+/- 155.5359
2	Fluorobenzene	462-06-6	BCBZ5549	99%	2,503.5 µg/mL	+/- 31.1565
3	Chlorobenzene-d5	3114-55-4	PR-29571	99%	2,502.0 µg/mL	+/- 31.1378
4	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,504.5 µg/mL	+/- 31.1689

* 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:

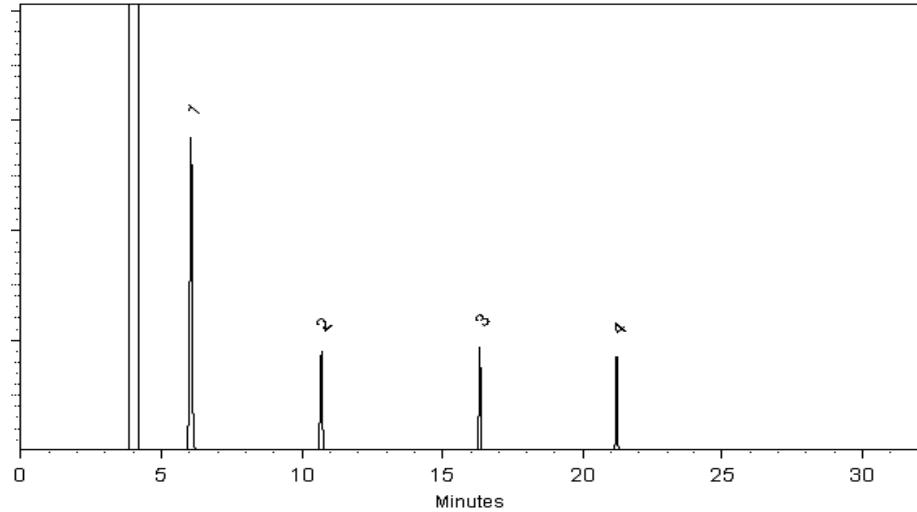
FID

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.


Laith Clemente - Operations Technician I

Date Mixed: 13-Oct-2023

Balance Serial # B707717271


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 18-Oct-2023

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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_00791



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Bellefonte, PA 16823-8812
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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. : 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:

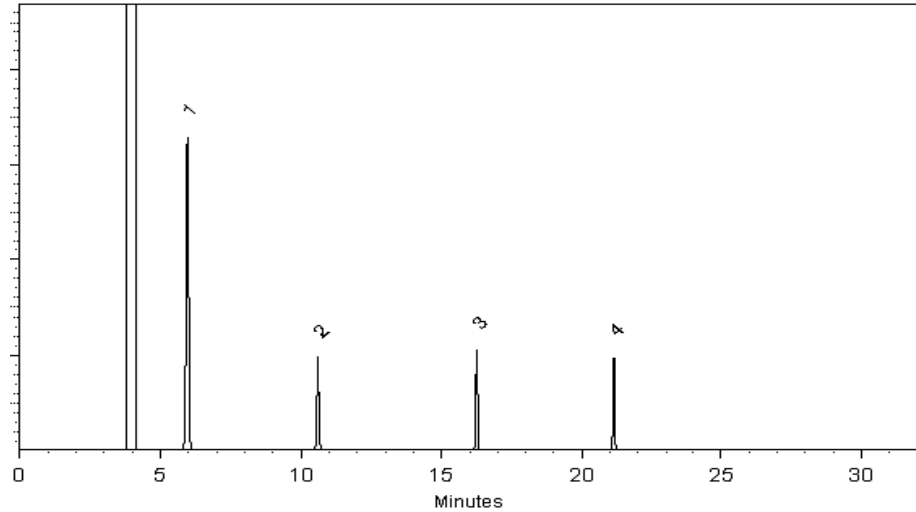
FID

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_00804



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. : 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:

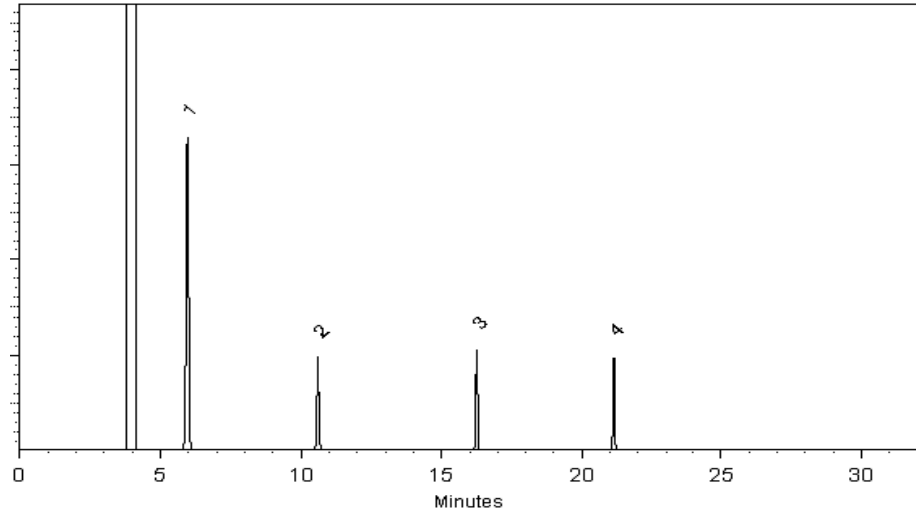
FID

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_00061



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

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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)

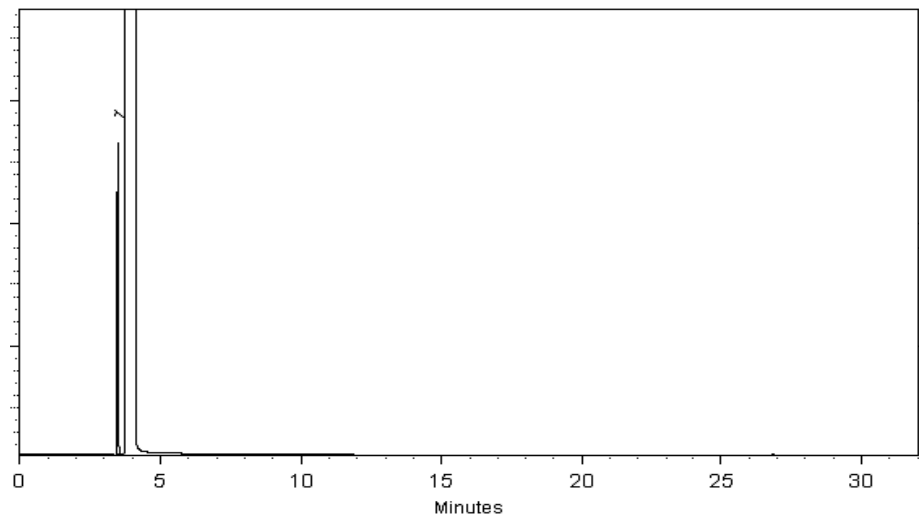
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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_EE_Neat_00012

CERTIFICATE OF ANALYSIS

Ethyl ether

CATALOG NUMBER	N-11897-1G
LOT NUMBER	14084700
DATE CERTIFIED	06/08/22
EXPIRATION DATE	06/30/27
CAS NUMBER	60-29-7
MOLECULAR FORMULA	C ₄ H ₁₀ O
MOLECULAR WEIGHT	74.12
STORAGE	Refrigerator storage (2 - 8 °C)
HANDLING	See Safety Data Sheet
INTENDED USE	For laboratory use only.

Analytical Test	Value
% PURITY (GC/FID)	99.5
FT-IR SPECTROSCOPY	CONFORMS TO STRUCTURE

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

Certified By:



Kristin R Jones

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



COA Form
Revision 3 (3/2015)

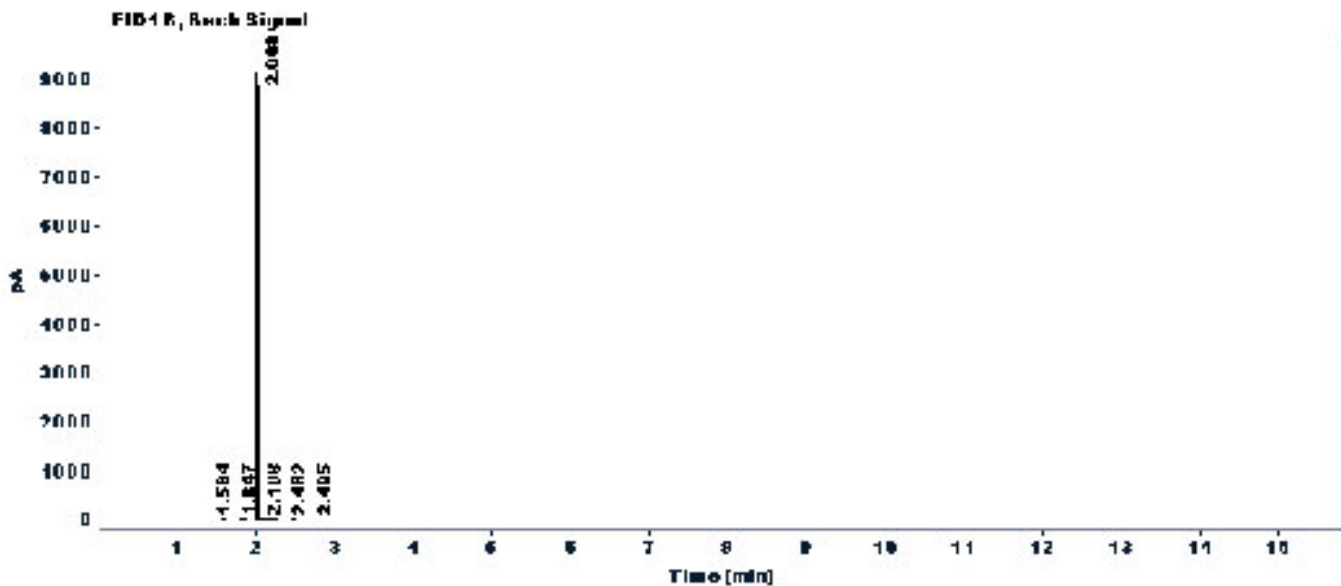
Print Date: 02/02/23

CERTIFICATE OF ANALYSIS

Gas Chromatography / Flame Ionization Detector (GC/FID)

Data file: C:\CHEM32\1\DATA\2022 DATA\0622\ethyl ether.D
 Sample name: Ethyl ether
 Acq. method: FRANNY-BACK.M
 Instrument: GC3
 Injection date: 6/8/2022 12:35:47 PM
 Column name: RTX-5MS (30m x 0.25mm x 0.5µm)

Location: 205
 Injection Vol: 0.100
 # Of Injections: 1



Signal: FID1 B, Back Signal

RT [min]	Type	Width [min]	Area	Height	Area%
1.584	BB	0.0118	2.2881	3.0236	0.0324
1.847	BB	0.0128	3.4389	4.5659	0.0487
2.008	VB S	0.0123	7054.1309	8866.6377	99.8684
2.108	BB T	0.0124	0.6178	0.7662	0.0087
2.462	BV	0.0173	1.5205	1.4371	0.0215
2.495	VB	0.0170	1.4321	1.3951	0.0203
Sum			7063.4283		

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



Reagent

MSV_EtBr_00010

CERTIFICATE OF ANALYSIS

Ethyl bromide

CATALOG NUMBER N-11888-1G
LOT NUMBER 13345600
DATE CERTIFIED 06/15/22
EXPIRATION DATE 06/30/25
CAS NUMBER 74-96-4
MOLECULAR FORMULA C₂H₅Br
MOLECULAR WEIGHT 108.97
STORAGE Store at room temperature (20 - 25 °C).
HANDLING See Safety Data Sheet
INTENDED USE For laboratory use only.

Analytical Test	Value
% PURITY (GC/FID)	99.5
FT-IR SPECTROSCOPY	CONFORMS TO STRUCTURE

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

Certified By:

Mary Beth O'Donnell

Mary Beth O'Donnell
CSM/TC

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



COA Form
Revision 3 (3/2015)

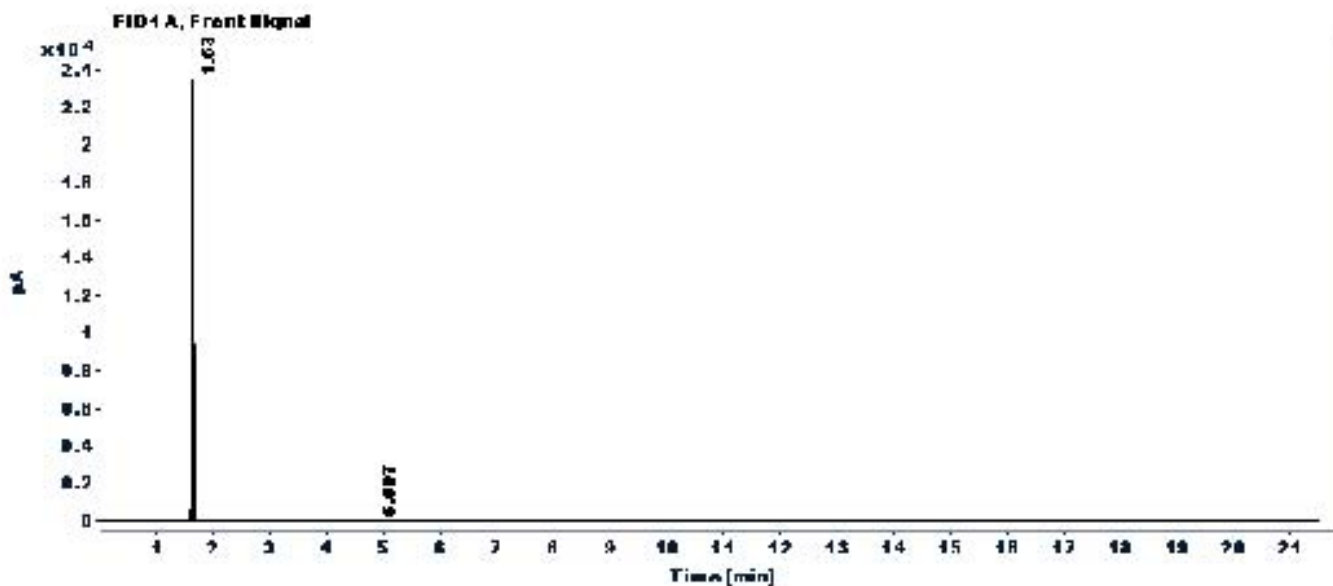
Print Date: 06/17/22

CERTIFICATE OF ANALYSIS

Gas Chromatography / Flame Ionization Detector (GC/FID)

Data file: C:\Chem32\1\Data\2022 Data\0622\ethyl bromide.D
 Sample name: Ethyl bromide
 Acq. method: FRONT MIX.M
 Instrument: GC3
 Injection date: 6/15/2022 2:26:35 PM
 Column name: Rxi-624Sil MS(30m x 0.32mm ID, 1.8um)

Location: 103
 Injection Vol: 0.200
 # Of Injections: 1



Signal: FID1 A, Front Signal

RT [min]	Type	Width [min]	Area	Height	Area%
1.630	BB S	0.0235	34777.1563	23544.8711	99.8457
5.097	VV R	0.0334	53.7284	24.9837	0.1543
Sum			34830.8846		

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



Reagent

MSV_Q_Ketones_00222



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.SEC **Lot No.:** A0209876

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

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

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

Ship: Ambient

CERTIFIED VALUES

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

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

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

Quality Confirmation Test

Column:

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

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

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

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

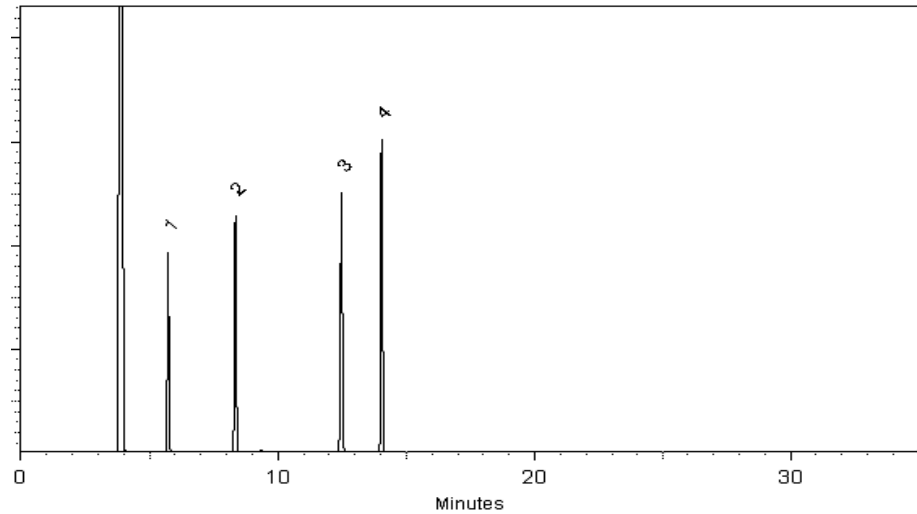
FID

Split Vent:

40 ml/min

Inj. Vol

0.2µl



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

Ethan Winiarski - Operations Tech I

Date Mixed: 05-Apr-2024

Balance Serial # 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 09-Apr-2024

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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_00276



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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. : 577488.SEC **Lot No.:** A0211460

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, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8.SEC	28888	99%	2,002.3 µg/mL	+/- 116.3467
2	Chloromethane (methyl chloride)	74-87-3.SEC	00022694	99%	2,014.2 µg/mL	+/- 117.1824
3	Vinyl chloride	75-01-4 *	00015559	99%	2,009.3 µg/mL	+/- 117.9630
4	1,3-Butadiene	106-99-0.SEC	28539	99%	2,030.2 µg/mL	+/- 117.6986
5	Bromomethane (methyl bromide)	74-83-9 *	00017022	99%	2,017.1 µg/mL	+/- 136.9230
6	Chloroethane (ethyl chloride)	75-00-3.SEC	00021903	99%	2,005.3 µg/mL	+/- 122.7081
7	Dichlorofluoromethane (CFC-21)	75-43-4 *	14485600	90%	2,016.0 µg/mL	+/- 113.2616
8	Trichlorofluoromethane (CFC-11)	75-69-4.SEC	00010739	99%	2,020.0 µg/mL	+/- 113.4863
9	1,2-Dichloro-1,1,2-trifluoroethane (CFC-123a)	354-23-4 *	877500	99%	2,005.1 µg/mL	+/- 115.4133

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

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.

Quality Confirmation Test

Column:

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

Carrier Gas:

helium-constant flow 2.0 mL/min.

Temp. Program:

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

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

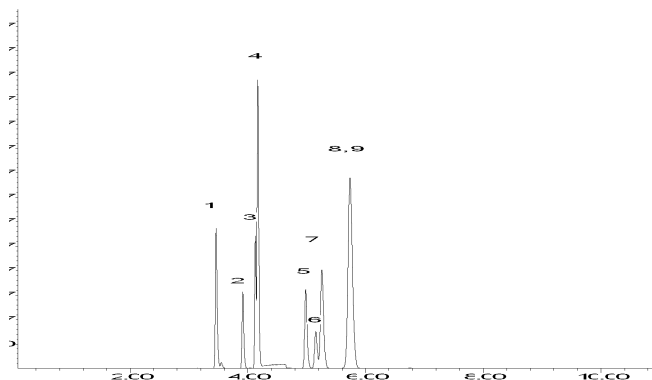
MSD

Split Vent:

Split ratio 10:1

Inj. Vol

1µl



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


Matt Fragassi - Mix Technician

Date Mixed: 15-May-2024

Balance Serial # 1127510105


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 22-May-2024

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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_00201



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

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

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

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

Ship: Ambient

CERTIFIED VALUES

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

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

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

Quality Confirmation Test

Column:

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

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

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

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

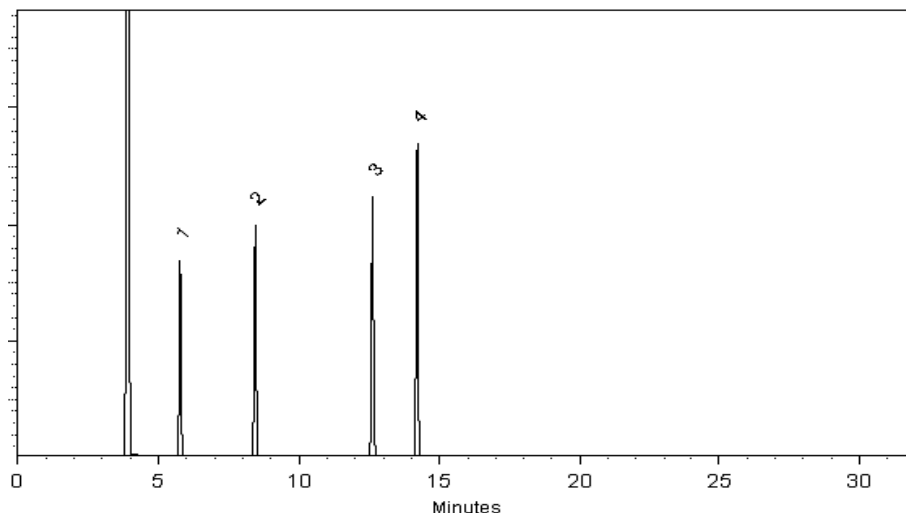
FID

Split Vent:

40 ml/min

Inj. Vol

0.2µl



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

Stacey Wanner - Operations Technician I

Date Mixed: 30-Apr-2024

Balance Serial # B707717271

Dillan Murphy - Operations Technician I

Date Passed: 02-May-2024

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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_00063



110 Benner Circle
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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. : 577491 **Lot No.:** A0197490

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, 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	Pentachloroethane	76-01-7	13550700	97%	5,011.0 µg/mL	+/- 281.5258

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

Solvent: P&T Methanol

CAS # 67-56-1

Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant flow 1.8 mL/min.

Temp. Program:

80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

Inj. Temp:

250°C

Det. Temp:

340°C

Det. Type:

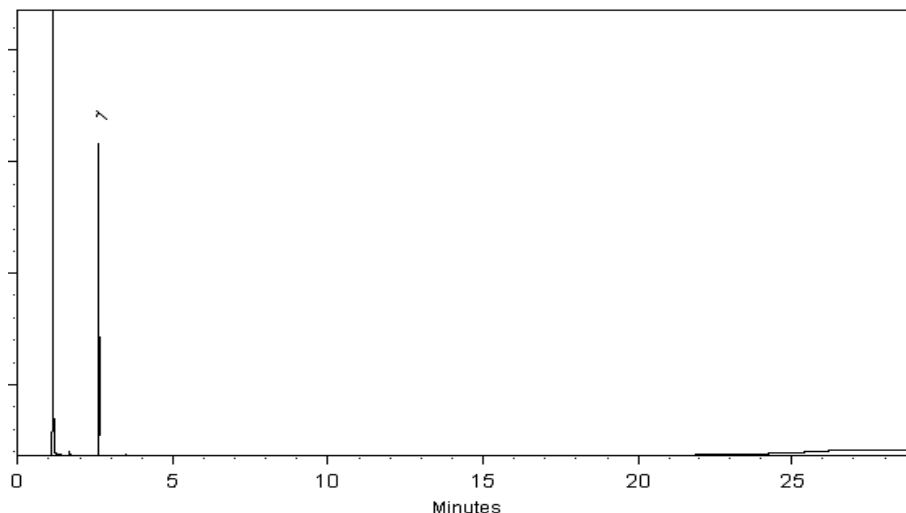
FID

Split Vent:

100 ml/min.

Inj. Vol

1µl



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

Nick Yaw - Operations Tech I

Date Mixed: 26-Apr-2023

Balance Serial # B251644995

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 02-May-2023

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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_00071



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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. : 577491 **Lot No.:** A0197490

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, 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	Pentachloroethane	76-01-7	13550700	97%	5,011.0 µg/mL	+/- 281.5258

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

Solvent: P&T Methanol

CAS # 67-56-1

Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant flow 1.8 mL/min.

Temp. Program:

80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

Inj. Temp:

250°C

Det. Temp:

340°C

Det. Type:

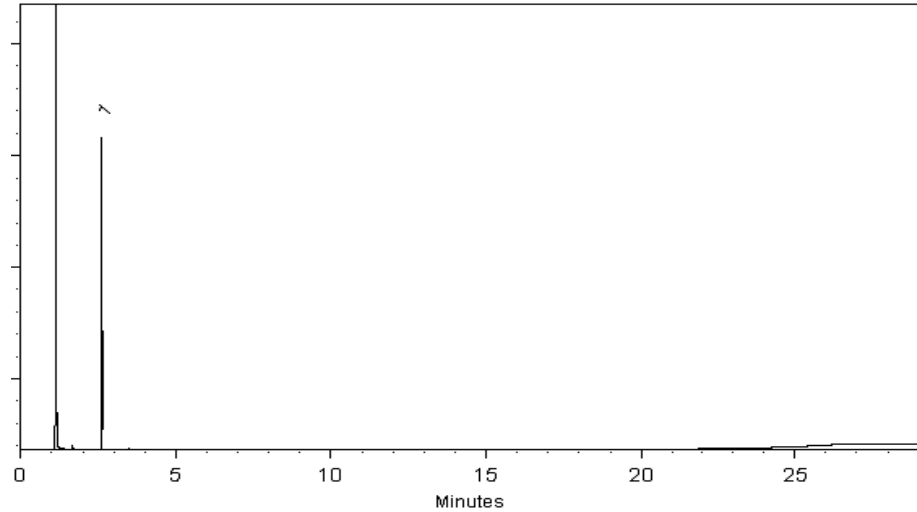
FID

Split Vent:

100 mL/min.

Inj. Vol

1µL



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

Nick Yaw - Operations Tech I

Date Mixed: 26-Apr-2023

Balance Serial # B251644995

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 02-May-2023

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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_SMFreon_00069



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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. : 577490 **Lot No.:** A0197864

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

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

Expiration Date : May 31, 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	Chlorotrifluoroethylene	79-38-9	202600	99%	1,999.9 µg/mL	+/- 116.8216
2	Chlorodifluoromethane (CFC-22)	75-45-6	Q162-44	99%	2,004.5 µg/mL	+/- 121.9609
3	2-Chloro-1,1,1-trifluoroethane (HCFC-133a)	75-88-7	Q157-146	99%	1,991.8 µg/mL	+/- 129.5770

* 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 flow 2.0 mL/min.

Temp. Program:

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

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

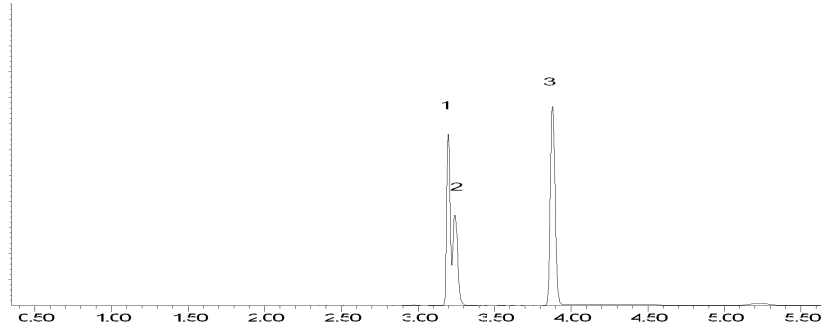
MSD

Split Vent:

Split ratio 10:1

Inj. Vol

1µl



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

Tom Suckar - Mix Technician

Date Mixed: 09-May-2023

Balance Serial # B707717271

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.

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.: 410-198585-1

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	410-198585-1	106	100	94	102
HD-COD-SW-7-0/1-0	410-198585-2	106	99	94	103
HD-COD-SW-8-0/1-0	410-198585-3	106	96	94	103
HD-COD-SW-9-0/1-0	410-198585-4	108	103	94	102
HD-COD-SW-13-0/1-0	410-198585-5	109	102	94	102
HD-COD-SW-15-0/1-0	410-198585-6	100	101	97	96
HD-COD-SW-16-0/1-0	410-198585-7	100	101	99	99
HD-COD-SW-17-0/1-0	410-198585-8	101	100	100	97
HD-COD-SW-17-0/1-0 DL	410-198585-8 DL	104 cn	98 cn	97 cn	98 cn
HD-COD-SW-26-0/1-0	410-198585-9	102	101	97	96
HD-COD-SW-27-0/1-0	410-198585-10	101	102	98	96
HD-COD-SW-28-0/1-0	410-198585-11	100	98	98	98
HD-COD-SW-29-0/1-0	410-198585-12	100	101	97	96
HD-QC1-0/1-1	410-198585-13	101	102	98	95
HD-QC1-0/1-1 DL	410-198585-13 DL	104 cn	98 cn	96 cn	99 cn
HD-QC1-0/1-2	410-198585-14	99	99	99	98
	MB 410-581872/6	106	99	95	103
	MB 410-581981/10	98	99	99	97
	MB 410-584018/7	105	102	97	99
	LCS 410-581872/7	106	100	95	102
	LCS 410-581981/8	99	97	100	102
	LCS 410-584018/4	105	98	98	102
	LCSD 410-584018/5	104	101	98	101
HD-COD-SW-15-0/1-0 MS MS	410-198585-6 MS	100	101	99	99
HD-COD-SW-15-0/1-0 MSD MSD	410-198585-6 MSD	101	98	99	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 III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-198585-1

SDG No.:

Matrix: Water Level: Low

Lab File ID: HD04X06.D

Lab ID: LCS 410-581872/7

Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	5.00	4.68	94	80-122	
1,1,1-Trichloroethane	5.00	5.79	116	78-126	
1,1,2,2-Tetrachloroethane	5.00	4.55	91	75-123	
1,1,2-Trichloroethane	5.00	4.61	92	80-120	
1,1-Dichloroethane	5.00	5.98	120	74-120	
1,1-Dichloroethene	5.00	5.66	113	80-131	
1,2-Dibromoethane (EDB)	5.00	4.50	90	80-120	
1,2-Dichloroethane	5.00	5.67	113	69-122	
1,2-Dichloropropane	5.00	5.78	116	80-120	
2-Butanone (MEK)	62.5	59.4	95	59-141	
2-Hexanone	62.5	60.3	97	52-140	
4-Methyl-2-pentanone (MIBK)	62.5	57.4	92	55-140	
Acetone	62.5	47.6	76	60-146	
Benzene	5.00	5.39	108	80-120	
Bromochloromethane	5.00	5.24	105	80-133	
Bromodichloromethane	5.00	5.55	111	80-123	
Bromoform	5.00	4.71	94	75-126	
Bromomethane	5.00	5.49	110	63-120	
Carbon disulfide	5.00	4.63	93	67-130	
Carbon tetrachloride	5.00	6.01	120	64-141	
Chlorobenzene	5.00	4.77	95	80-120	
Chloroethane	5.00	5.71	114	63-120	
Chloroform	5.00	5.73	115	80-120	
Chloromethane	5.00	5.46	109	56-124	
cis-1,2-Dichloroethene	5.00	5.31	106	80-122	
cis-1,3-Dichloropropene	5.00	5.12	102	67-121	
Dibromochloromethane	5.00	4.67	93	80-123	
Ethylbenzene	5.00	4.86	97	80-120	
Methyl tert-butyl ether	5.00	4.89	98	69-120	
Methylene Chloride	5.00	5.33	107	80-120	
Styrene	5.00	4.61	92	80-120	
Tetrachloroethene	5.00	4.61	92	80-120	
Toluene	5.00	4.75	95	80-120	
trans-1,2-Dichloroethene	5.00	5.51	110	80-122	
trans-1,3-Dichloropropene	5.00	4.63	93	61-129	
Trichloroethene	5.00	5.49	110	80-120	
Vinyl chloride	5.00	5.56	111	60-125	
Xylenes, Total	15.0	14.2	95	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.: 410-198585-1

SDG No.:

Matrix: Water Level: Low

Lab File ID: GD04X07.D

Lab ID: LCS 410-581981/8

Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	5.00	4.78	96	80-122	
1,1,1-Trichloroethane	5.00	4.68	94	78-126	
1,1,2,2-Tetrachloroethane	5.00	4.67	93	75-123	
1,1,2-Trichloroethane	5.00	4.72	94	80-120	
1,1-Dichloroethane	5.00	4.76	95	74-120	
1,1-Dichloroethene	5.00	4.85	97	80-131	
1,2-Dibromoethane (EDB)	5.00	4.73	95	80-120	
1,2-Dichloroethane	5.00	4.45	89	69-122	
1,2-Dichloropropane	5.00	4.71	94	80-120	
2-Butanone (MEK)	62.5	70.2	112	59-141	
2-Hexanone	62.5	70.7	113	52-140	
4-Methyl-2-pentanone (MIBK)	62.5	72.0	115	55-140	
Acetone	62.5	54.4	87	60-146	
Benzene	5.00	4.52	90	80-120	
Bromochloromethane	5.00	4.85	97	80-133	
Bromodichloromethane	5.00	4.70	94	80-123	
Bromoform	5.00	4.68	94	75-126	
Bromomethane	5.00	4.51	90	63-120	
Carbon disulfide	5.00	4.19	84	67-130	
Carbon tetrachloride	5.00	4.79	96	64-141	
Chlorobenzene	5.00	4.57	91	80-120	
Chloroethane	5.00	4.93	99	63-120	
Chloroform	5.00	4.63	93	80-120	
Chloromethane	5.00	3.88	78	56-124	
cis-1,2-Dichloroethene	5.00	4.60	92	80-122	
cis-1,3-Dichloropropene	5.00	4.52	90	67-121	
Dibromochloromethane	5.00	4.76	95	80-123	
Ethylbenzene	5.00	4.73	95	80-120	
Methyl tert-butyl ether	5.00	4.45	89	69-120	
Methylene Chloride	5.00	4.71	94	80-120	
Styrene	5.00	5.02	100	80-120	
Tetrachloroethene	5.00	4.58	92	80-120	
Toluene	5.00	4.67	93	80-120	
trans-1,2-Dichloroethene	5.00	4.68	94	80-122	
trans-1,3-Dichloropropene	5.00	4.78	96	61-129	
Trichloroethene	5.00	4.62	92	80-120	
Vinyl chloride	5.00	4.09	82	60-125	
Xylenes, Total	15.0	14.3	96	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.: 410-198585-1

SDG No.:

Matrix: Water Level: Low

Lab File ID: HD10X03.D

Lab ID: LCS 410-584018/4

Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	5.00	5.02	100	80-122	
1,1,1-Trichloroethane	5.00	5.82	116	78-126	
1,1,2,2-Tetrachloroethane	5.00	4.71	94	75-123	
1,1,2-Trichloroethane	5.00	4.87	97	80-120	
1,1-Dichloroethane	5.00	5.80	116	74-120	
1,1-Dichloroethene	5.00	5.88	118	80-131	
1,2-Dibromoethane (EDB)	5.00	4.88	98	80-120	
1,2-Dichloroethane	5.00	5.73	115	69-122	
1,2-Dichloropropane	5.00	5.61	112	80-120	
2-Butanone (MEK)	62.5	68.8	110	59-141	
2-Hexanone	62.5	71.8	115	52-140	
4-Methyl-2-pentanone (MIBK)	62.5	67.7	108	55-140	
Acetone	62.5	57.0	91	60-146	
Benzene	5.00	5.28	106	80-120	
Bromochloromethane	5.00	5.20	104	80-133	
Bromodichloromethane	5.00	5.50	110	80-123	
Bromoform	5.00	5.25	105	75-126	
Bromomethane	5.00	5.10	102	63-120	
Carbon disulfide	5.00	5.14	103	67-130	
Carbon tetrachloride	5.00	6.05	121	64-141	
Chlorobenzene	5.00	5.03	101	80-120	
Chloroethane	5.00	5.20	104	63-120	
Chloroform	5.00	5.50	110	80-120	
Chloromethane	5.00	5.02	100	56-124	
cis-1,2-Dichloroethene	5.00	5.18	104	80-122	
cis-1,3-Dichloropropene	5.00	5.22	104	67-121	
Dibromochloromethane	5.00	5.08	102	80-123	
Ethylbenzene	5.00	5.09	102	80-120	
Methyl tert-butyl ether	5.00	4.96	99	69-120	
Methylene Chloride	5.00	5.33	107	80-120	
Styrene	5.00	4.85	97	80-120	
Tetrachloroethene	5.00	4.95	99	80-120	
Toluene	5.00	4.98	100	80-120	
trans-1,2-Dichloroethene	5.00	5.48	110	80-122	
trans-1,3-Dichloropropene	5.00	5.02	100	61-129	
Trichloroethene	5.00	5.42	108	80-120	
Vinyl chloride	5.00	5.25	105	60-125	
Xylenes, Total	15.0	15.0	100	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.: 410-198585-1

SDG No.:

Matrix: Water Level: Low

Lab File ID: HD10X04.D

Lab ID: LCSD 410-584018/5

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	5.01	100	0	30	80-122	
1,1,1-Trichloroethane	5.00	5.73	115	2	30	78-126	
1,1,2,2-Tetrachloroethane	5.00	4.76	95	1	30	75-123	
1,1,2-Trichloroethane	5.00	4.78	96	2	30	80-120	
1,1-Dichloroethane	5.00	5.80	116	0	30	74-120	
1,1-Dichloroethene	5.00	5.74	115	2	30	80-131	
1,2-Dibromoethane (EDB)	5.00	4.87	97	0	30	80-120	
1,2-Dichloroethane	5.00	5.80	116	1	30	69-122	
1,2-Dichloropropane	5.00	5.66	113	1	30	80-120	
2-Butanone (MEK)	62.5	68.2	109	1	30	59-141	
2-Hexanone	62.5	68.5	110	5	30	52-140	
4-Methyl-2-pentanone (MIBK)	62.5	65.4	105	3	30	55-140	
Acetone	62.5	54.7	87	4	30	60-146	
Benzene	5.00	5.30	106	1	30	80-120	
Bromochloromethane	5.00	5.16	103	1	30	80-133	
Bromodichloromethane	5.00	5.48	110	0	30	80-123	
Bromoform	5.00	5.29	106	1	30	75-126	
Bromomethane	5.00	5.15	103	1	30	63-120	
Carbon disulfide	5.00	5.19	104	1	30	67-130	
Carbon tetrachloride	5.00	6.12	122	1	30	64-141	
Chlorobenzene	5.00	5.03	101	0	30	80-120	
Chloroethane	5.00	5.27	105	1	30	63-120	
Chloroform	5.00	5.54	111	1	30	80-120	
Chloromethane	5.00	5.22	104	4	30	56-124	
cis-1,2-Dichloroethene	5.00	5.25	105	1	30	80-122	
cis-1,3-Dichloropropene	5.00	5.15	103	1	30	67-121	
Dibromochloromethane	5.00	5.07	101	0	30	80-123	
Ethylbenzene	5.00	5.11	102	0	30	80-120	
Methyl tert-butyl ether	5.00	4.87	97	2	30	69-120	
Methylene Chloride	5.00	5.39	108	1	30	80-120	
Styrene	5.00	4.88	98	1	30	80-120	
Tetrachloroethene	5.00	4.98	100	1	30	80-120	
Toluene	5.00	5.02	100	1	30	80-120	
trans-1,2-Dichloroethene	5.00	5.60	112	2	30	80-122	
trans-1,3-Dichloropropene	5.00	4.98	100	1	30	61-129	
Trichloroethene	5.00	5.48	110	1	30	80-120	
Vinyl chloride	5.00	5.48	110	4	30	60-125	
Xylenes, Total	15.0	15.0	100	0	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.: 410-198585-1

SDG No.:

Matrix: Water Level: Low

Lab File ID: GD04X22.D

Lab ID: 410-198585-6 MS

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

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	5.00	ND	4.98	100	80-122	
1,1,1-Trichloroethane	5.00	0.34 J	5.39	101	78-126	
1,1,2,2-Tetrachloroethane	5.00	ND	4.55	91	75-123	
1,1,2-Trichloroethane	5.00	ND	4.84	97	80-120	
1,1-Dichloroethane	5.00	0.11 J	5.11	100	74-120	
1,1-Dichloroethene	5.00	0.19 J	5.64	109	80-131	
1,2-Dibromoethane (EDB)	5.00	ND	4.86	97	80-120	
1,2-Dichloroethane	5.00	ND	4.67	93	69-122	
1,2-Dichloropropane	5.00	ND	4.81	96	80-120	
2-Butanone (MEK)	62.6	ND	58.6	94	59-141	
2-Hexanone	62.6	ND	57.7	92	52-140	
4-Methyl-2-pentanone (MIBK)	62.6	ND	58.9	94	55-140	
Acetone	62.6	ND	53.0	85	60-146	
Benzene	5.00	ND	4.79	96	80-120	
Bromochloromethane	5.00	ND	5.18	104	80-133	
Bromodichloromethane	5.00	ND	4.86	97	80-123	
Bromoform	5.00	ND	4.91	98	75-126	
Bromomethane	5.00	ND	5.00	100	63-120	
Carbon disulfide	5.00	ND	4.66	93	67-130	
Carbon tetrachloride	5.00	ND	5.35	107	64-141	
Chlorobenzene	5.00	ND	4.93	99	80-120	
Chloroethane	5.00	ND	5.21	104	63-120	
Chloroform	5.00	0.17 J	5.07	98	80-120	
Chloromethane	5.00	ND	4.07	81	80-120	
cis-1,2-Dichloroethene	5.00	1.4	6.31	98	80-122	
cis-1,3-Dichloropropene	5.00	ND	4.48	89	67-121	
Dibromochloromethane	5.00	ND	4.92	98	80-123	
Ethylbenzene	5.00	ND	4.93	99	80-120	
Methyl tert-butyl ether	5.00	ND	4.60	92	69-120	
Methylene Chloride	5.00	ND	4.93	98	80-120	
Styrene	5.00	ND	5.30	106	80-120	
Tetrachloroethene	5.00	5.6	9.99	87	80-120	
Toluene	5.00	ND	5.02	100	80-120	
trans-1,2-Dichloroethene	5.00	ND	5.12	102	80-122	
trans-1,3-Dichloropropene	5.00	ND	4.67	93	61-129	
Trichloroethene	5.00	1.2	6.04	96	80-120	
Vinyl chloride	5.00	ND	4.60	92	60-125	
Xylenes, Total	15.0	ND	15.1	101	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.: 410-198585-1

SDG No.:

Matrix: Water Level: Low

Lab File ID: GD04X23.D

Lab ID: 410-198585-6 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	5.19	104	4	30	80-122	
1,1,1-Trichloroethane	5.00	5.68	107	5	30	78-126	
1,1,2,2-Tetrachloroethane	5.00	4.79	96	5	30	75-123	
1,1,2-Trichloroethane	5.00	4.97	99	3	30	80-120	
1,1-Dichloroethane	5.00	5.43	106	6	30	74-120	
1,1-Dichloroethene	5.00	5.98	116	6	30	80-131	
1,2-Dibromoethane (EDB)	5.00	5.08	102	4	30	80-120	
1,2-Dichloroethane	5.00	4.78	96	2	30	69-122	
1,2-Dichloropropane	5.00	5.06	101	5	30	80-120	
2-Butanone (MEK)	62.6	73.2	117	22	30	59-141	
2-Hexanone	62.6	70.9	113	21	30	52-140	
4-Methyl-2-pentanone (MIBK)	62.6	73.2	117	22	30	55-140	
Acetone	62.6	64.4	103	19	30	60-146	
Benzene	5.00	5.05	101	5	30	80-120	
Bromochloromethane	5.00	5.45	109	5	30	80-133	
Bromodichloromethane	5.00	5.13	102	5	30	80-123	
Bromoform	5.00	5.07	101	3	30	75-126	
Bromomethane	5.00	5.22	104	4	30	63-120	
Carbon disulfide	5.00	4.89	98	5	30	67-130	
Carbon tetrachloride	5.00	5.63	112	5	30	64-141	
Chlorobenzene	5.00	5.16	103	5	30	80-120	
Chloroethane	5.00	5.49	110	5	30	63-120	
Chloroform	5.00	5.32	103	5	30	80-120	
Chloromethane	5.00	4.30	86	6	30	80-120	
cis-1,2-Dichloroethene	5.00	6.64	104	5	30	80-122	
cis-1,3-Dichloropropene	5.00	4.77	95	6	30	67-121	
Dibromochloromethane	5.00	5.18	104	5	30	80-123	
Ethylbenzene	5.00	5.17	103	5	30	80-120	
Methyl tert-butyl ether	5.00	4.86	97	6	30	69-120	
Methylene Chloride	5.00	5.17	103	5	30	80-120	
Styrene	5.00	5.56	111	5	30	80-120	
Tetrachloroethene	5.00	10.5	96	5	30	80-120	
Toluene	5.00	5.23	104	4	30	80-120	
trans-1,2-Dichloroethene	5.00	5.40	108	5	30	80-122	
trans-1,3-Dichloropropene	5.00	4.88	98	4	30	61-129	
Trichloroethene	5.00	6.49	105	7	30	80-120	
Vinyl chloride	5.00	4.81	96	4	30	60-125	
Xylenes, Total	15.0	15.9	106	5	30	80-120	

Column to be used to flag recovery and RPD values

FORM IV

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-198585-1

SDG No.:

Lab File ID: HD04X05.D

Lab Sample ID: MB 410-581872/6

Matrix: Water

Heated Purge: (Y/N) N

Instrument ID: 19094

Date Analyzed: 12/04/2024 10:53

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 410-581872/7	HD04X06.D	12/04/2024 11:14
HD-COD-SW-6-0/1-0	410-198585-1	HD04X22.D	12/04/2024 16:54
HD-COD-SW-7-0/1-0	410-198585-2	HD04X23.D	12/04/2024 17:15
HD-COD-SW-8-0/1-0	410-198585-3	HD04X24.D	12/04/2024 17:36
HD-COD-SW-9-0/1-0	410-198585-4	HD04X25.D	12/04/2024 17:57
HD-COD-SW-13-0/1-0	410-198585-5	HD04X26.D	12/04/2024 18:18

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-198585-1

SDG No.:

Lab File ID: GD04X09.D

Lab Sample ID: MB 410-581981/10

Matrix: Water

Heated Purge: (Y/N) N

Instrument ID: 16334

Date Analyzed: 12/04/2024 14:14

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 410-581981/8	GD04X07.D	12/04/2024 13:30
HD-QC1-0/1-2	410-198585-14	GD04X10.D	12/04/2024 14:36
HD-COD-SW-16-0/1-0	410-198585-7	GD04X14.D	12/04/2024 16:05
HD-COD-SW-17-0/1-0	410-198585-8	GD04X15.D	12/04/2024 16:27
HD-COD-SW-26-0/1-0	410-198585-9	GD04X16.D	12/04/2024 16:49
HD-COD-SW-27-0/1-0	410-198585-10	GD04X17.D	12/04/2024 17:11
HD-COD-SW-28-0/1-0	410-198585-11	GD04X18.D	12/04/2024 17:33
HD-COD-SW-29-0/1-0	410-198585-12	GD04X19.D	12/04/2024 17:55
HD-QC1-0/1-1	410-198585-13	GD04X20.D	12/04/2024 18:17
HD-COD-SW-15-0/1-0	410-198585-6	GD04X21.D	12/04/2024 18:39
HD-COD-SW-15-0/1-0 MS MS	410-198585-6 MS	GD04X22.D	12/04/2024 19:01
HD-COD-SW-15-0/1-0 MSD MSD	410-198585-6 MSD	GD04X23.D	12/04/2024 19:23

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-198585-1

SDG No.:

Lab File ID: HD10X06.D

Lab Sample ID: MB 410-584018/7

Matrix: Water

Heated Purge: (Y/N) N

Instrument ID: 19094

Date Analyzed: 12/10/2024 11:26

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

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 410-584018/4	HD10X03.D	12/10/2024 10:24
	LCSD 410-584018/5	HD10X04.D	12/10/2024 10:45
HD-COD-SW-17-0/1-0 DL	410-198585-8 DL	HD10X13.D	12/10/2024 13:59
HD-QC1-0/1-1 DL	410-198585-13 DL	HD10X14.D	12/10/2024 14:20

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

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-198585-1
Environment Testing, LLC

SDG No.: _____

Lab File ID: GD03T01.D BFB Injection Date: 12/03/2024

Instrument ID: 16334 BFB Injection Time: 15:12

Analysis Batch No.: 581544

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	16.4
75	30.0 - 60.0 % of mass 95	46.7
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.4
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	Greater than 50% of mass 95	82.4
175	5.0 - 9.0 % of mass 174	6.5 (7.9) 1
176	95.0 - 101.0 % of mass 174	80.2 (97.3) 1
177	5.0 - 9.0 % of mass 176	5.0 (6.3) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 410-581544/13	GD03X12.D	12/03/2024	16:05
	IC 410-581544/14	GD03X13.D	12/03/2024	16:27
	IC 410-581544/15	GD03X14.D	12/03/2024	16:50
	IC 410-581544/16	GD03X15.D	12/03/2024	17:12
	IC 410-581544/17	GD03X16.D	12/03/2024	17:34
	ICIS 410-581544/18	GD03X17.D	12/03/2024	17:56
	IC 410-581544/19	GD03X18.D	12/03/2024	18:18
	ICV 410-581544/21	GD03X20.D	12/03/2024	19:02

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

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-198585-1

SDG No.:

Lab File ID: GD04T01.D

BFB Injection Date: 12/04/2024

Instrument ID: 16334

BFB Injection Time: 11:00

Analysis Batch No.: 581981

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	16.4
75	30.0 - 60.0 % of mass 95	46.4
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	81.5
175	5.0 - 9.0 % of mass 174	6.7 (8.3) 1
176	95.0 - 101.0 % of mass 174	80.6 (98.9) 1
177	5.0 - 9.0 % of mass 176	5.1 (6.3) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 410-581981/6	GD04X05.D	12/04/2024	12:45
	LCS 410-581981/8	GD04X07.D	12/04/2024	13:30
	MB 410-581981/10	GD04X09.D	12/04/2024	14:14
HD-QC1-0/1-2	410-198585-14	GD04X10.D	12/04/2024	14:36
HD-COD-SW-16-0/1-0	410-198585-7	GD04X14.D	12/04/2024	16:05
HD-COD-SW-17-0/1-0	410-198585-8	GD04X15.D	12/04/2024	16:27
HD-COD-SW-26-0/1-0	410-198585-9	GD04X16.D	12/04/2024	16:49
HD-COD-SW-27-0/1-0	410-198585-10	GD04X17.D	12/04/2024	17:11
HD-COD-SW-28-0/1-0	410-198585-11	GD04X18.D	12/04/2024	17:33
HD-COD-SW-29-0/1-0	410-198585-12	GD04X19.D	12/04/2024	17:55
HD-QC1-0/1-1	410-198585-13	GD04X20.D	12/04/2024	18:17
HD-COD-SW-15-0/1-0	410-198585-6	GD04X21.D	12/04/2024	18:39
HD-COD-SW-15-0/1-0 MS MS	410-198585-6 MS	GD04X22.D	12/04/2024	19:01
HD-COD-SW-15-0/1-0 MSD MSD	410-198585-6 MSD	GD04X23.D	12/04/2024	19:23

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

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-198585-1

SDG No.:

Lab File ID: HC14T01.D

BFB Injection Date: 10/14/2024

Instrument ID: 19094

BFB Injection Time: 17:46

Analysis Batch No.: 562891

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	17.0
75	30.0 - 60.0 % of mass 95	46.6
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	7.0
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	Greater than 50% of mass 95	89.0
175	5.0 - 9.0 % of mass 174	7.4 (8.3) 1
176	95.0 - 101.0 % of mass 174	86.2 (96.9) 1
177	5.0 - 9.0 % of mass 176	5.8 (6.7) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 410-562891/3	HC14X02.D	10/14/2024	18:22
	IC 410-562891/4	HC14X03.D	10/14/2024	18:44
	IC 410-562891/5	HC14X04.D	10/14/2024	19:05
	IC 410-562891/6	HC14X05.D	10/14/2024	19:26
	IC 410-562891/7	HC14X06.D	10/14/2024	19:47
	IC 410-562891/8	HC14X07.D	10/14/2024	20:08
	IC 410-562891/9	HC14X08.D	10/14/2024	20:29
	IC 410-562891/13	HC14X12.D	10/14/2024	21:54
	IC 410-562891/14	HC14X13.D	10/14/2024	22:15
	IC 410-562891/15	HC14X14.D	10/14/2024	22:36
	IC 410-562891/16	HC14X15.D	10/14/2024	22:57
	IC 410-562891/17	HC14X16.D	10/14/2024	23:18
	ICIS 410-562891/18	HC14X17.D	10/14/2024	23:39
	IC 410-562891/19	HC14X18.D	10/15/2024	0:00
	ICV 410-562891/21	HC14X20.D	10/15/2024	0:42

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

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-198585-1

SDG No.:

Lab File ID: HD04T01.D

BFB Injection Date: 12/04/2024

Instrument ID: 19094

BFB Injection Time: 09:14

Analysis Batch No.: 581872

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	19.1
75	30.0 - 60.0 % of mass 95	47.9
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.5
173	Less than 2.0 % of mass 174	1.1 (1.4) 1
174	Greater than 50% of mass 95	81.6
175	5.0 - 9.0 % of mass 174	6.2 (7.7) 1
176	95.0 - 101.0 % of mass 174	77.9 (95.4) 1
177	5.0 - 9.0 % of mass 176	5.3 (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 410-581872/3	HD04X02.D	12/04/2024	9:50
	MB 410-581872/6	HD04X05.D	12/04/2024	10:53
	LCS 410-581872/7	HD04X06.D	12/04/2024	11:14
HD-COD-SW-6-0/1-0	410-198585-1	HD04X22.D	12/04/2024	16:54
HD-COD-SW-7-0/1-0	410-198585-2	HD04X23.D	12/04/2024	17:15
HD-COD-SW-8-0/1-0	410-198585-3	HD04X24.D	12/04/2024	17:36
HD-COD-SW-9-0/1-0	410-198585-4	HD04X25.D	12/04/2024	17:57
HD-COD-SW-13-0/1-0	410-198585-5	HD04X26.D	12/04/2024	18:18

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

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-198585-1
Environment Testing, LLC

SDG No.: _____

Lab File ID: HD10T01.D BFB Injection Date: 12/10/2024

Instrument ID: 19094 BFB Injection Time: 09:28

Analysis Batch No.: 584018

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	18.5
75	30.0 - 60.0 % of mass 95	49.0
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.7
173	Less than 2.0 % of mass 174	0.9 (1.0) 1
174	Greater than 50% of mass 95	85.7
175	5.0 - 9.0 % of mass 174	6.3 (7.4) 1
176	95.0 - 101.0 % of mass 174	81.9 (95.6) 1
177	5.0 - 9.0 % of mass 176	5.6 (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 410-584018/3	HD10X02.D	12/10/2024	10:03
	LCS 410-584018/4	HD10X03.D	12/10/2024	10:24
	LCSD 410-584018/5	HD10X04.D	12/10/2024	10:45
	MB 410-584018/7	HD10X06.D	12/10/2024	11:26
HD-COD-SW-17-0/1-0 DL	410-198585-8 DL	HD10X13.D	12/10/2024	13:59
HD-QC1-0/1-1 DL	410-198585-13 DL	HD10X14.D	12/10/2024	14:20

FORM VIII

Job No.: 410-198585-1

Sample No.: ICIS 410-581544/18

Date Analyzed: 12/03/2024 17:56

Instrument ID: 16334

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

Lab File ID (Standard): GD03X17.D

Heated Purge: (Y/N) N

Calibration ID: 67963

		TBAd10		FB		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		80518	3.63	2029850	7.05	1481835	10.71
UPPER LIMIT		161036	4.13	4059700	7.55	2963670	11.21
LOWER LIMIT		40259	3.13	1014925	6.55	740918	10.21
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-581544/21		73418	3.62	2201121	7.04	1611220	10.71
CCVIS 410-581981/6		91373	3.62	2251852	7.04	1648686	10.71

TBAd10 = t-Butyl alcohol-d10 (IS)

FB = Fluorobenzene (IS)

CBZd5 = Chlorobenzene-d5 (IS)

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

Job No.: 410-198585-1

Sample No.: ICIS 410-581544/18

Date Analyzed: 12/03/2024 17:56

GC Column: R-624SilMS 30m

ID: 0.25 (mm)

Heated Purge: (Y/N) N

Calibration ID: 67963

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
INITIAL CALIBRATION MID-POINT		792188	12.64				
UPPER LIMIT		1584376	13.14				
LOWER LIMIT		396094	12.14				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-581544/21		853308	12.64				
CCVIS 410-581981/6		873693	12.64				

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.: 410-198585-1
 Environment Testing, LLC

SDG No.: _____

Sample No.: CCVIS 410-581981/6 Date Analyzed: 12/04/2024 12:45

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

Lab File ID (Standard): GD04X05.D Heated Purge: (Y/N) N

Calibration ID: 67963

	TBAd10		FB		CBZd5	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD	91373	3.62	2251852	7.04	1648686	10.71
UPPER LIMIT	182746	4.12	4503704	7.54	3297372	11.21
LOWER LIMIT	45687	3.12	1125926	6.54	824343	10.21
LAB SAMPLE ID	CLIENT SAMPLE ID					
LCS 410-581981/8		70507	3.62	2208788	7.05	1592580 10.71
MB 410-581981/10		53581	3.59	2130718	7.04	1548849 10.71
410-198585-14	HD-QC1-0/1-2	68445	3.62	2215888	7.04	1602686 10.71
410-198585-7	HD-COD-SW-16-0/1-0	75829	3.63	2080121	7.05	1498659 10.71
410-198585-8	HD-COD-SW-17-0/1-0	73093	3.62	1926454	7.04	1385465 10.71
410-198585-9	HD-COD-SW-26-0/1-0	61257	3.62	1640149	7.05	1207757 10.71
410-198585-10	HD-COD-SW-27-0/1-0	67069	3.61	1731016	7.05	1290573 10.71
410-198585-11	HD-COD-SW-28-0/1-0	64836	3.61	1732866	7.05	1249803 10.71
410-198585-12	HD-COD-SW-29-0/1-0	64345	3.60	1766295	7.04	1303490 10.71
410-198585-13	HD-QC1-0/1-1	53526	3.62	1728458	7.05	1273549 10.71
410-198585-6	HD-COD-SW-15-0/1-0	54116	3.60	1562489	7.05	1142500 10.71
410-198585-6 MS	HD-COD-SW-15-0/1-0 MS MS	72233	3.61	1824513	7.04	1326034 10.71
410-198585-6 MSD	HD-COD-SW-15-0/1-0 MSD MSD	58119	3.62	1759418	7.05	1290792 10.71

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

Job No.: 410-198585-1

Sample No.: CCVIS 410-581981/6

Date Analyzed: 12/04/2024 12:45

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

Heated Purge: (Y/N) N

Calibration ID: 67963

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
12/24 HOUR STD		873693	12.64				
UPPER LIMIT		1747386	13.14				
LOWER LIMIT		436847	12.14				
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-581981/8		852565	12.64				
MB 410-581981/10		806997	12.64				
410-198585-14	HD-QC1-0/1-2	851848	12.64				
410-198585-7	HD-COD-SW-16-0/1-0	794207	12.64				
410-198585-8	HD-COD-SW-17-0/1-0	727484	12.64				
410-198585-9	HD-COD-SW-26-0/1-0	662349	12.64				
410-198585-10	HD-COD-SW-27-0/1-0	698471	12.64				
410-198585-11	HD-COD-SW-28-0/1-0	685616	12.64				
410-198585-12	HD-COD-SW-29-0/1-0	710046	12.64				
410-198585-13	HD-QC1-0/1-1	694633	12.64				
410-198585-6	HD-COD-SW-15-0/1-0	624441	12.64				
410-198585-6 MS	HD-COD-SW-15-0/1-0 MS MS	730127	12.64				
410-198585-6 MSD	HD-COD-SW-15-0/1-0 MSD MSD	714172	12.64				

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

Job No.: 410-198585-1

Sample No.: ICIS 410-562891/18

Date Analyzed: 10/14/2024 23:39

Instrument ID: 19094

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

Lab File ID (Standard): HC14X17.D

Heated Purge: (Y/N) N

Calibration ID: 66594

	TBAd10		FB		CBZd5		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	108835	3.90	2106583	7.41	1520584	10.99	
UPPER LIMIT	217670	4.40	4213166	7.91	3041168	11.49	
LOWER LIMIT	54418	3.40	1053292	6.91	760292	10.49	
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-562891/21		95664	3.92	2119076	7.41	1517805	10.99
CCVIS 410-581872/3		126427	3.90	2515740	7.42	2125402	10.99
CCVIS 410-584018/3		114920	3.92	2267107	7.42	1792871	10.99

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

Job No.: 410-198585-1

Sample No.: ICIS 410-562891/18

Date Analyzed: 10/14/2024 23:39

Instrument ID: 19094

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

Lab File ID (Standard): HC14X17.D

Heated Purge: (Y/N) N

Calibration ID: 66594

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
INITIAL CALIBRATION MID-POINT		846649	12.91				
UPPER LIMIT		1693298	13.41				
LOWER LIMIT		423325	12.41				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-562891/21		853365	12.91				
CCVIS 410-581872/3		1213833	12.91				
CCVIS 410-584018/3		1054383	12.91				

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.: 410-198585-1
 Environment Testing, LLC

SDG No.: _____

Sample No.: CCVIS 410-581872/3 Date Analyzed: 12/04/2024 09:50

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

Lab File ID (Standard): HD04X02.D Heated Purge: (Y/N) N

Calibration ID: 66594

	TBA _d 10		FB		CBZ _d 5	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD	126427	3.90	2515740	7.42	2125402	10.99
UPPER LIMIT	252854	4.40	5031480	7.92	4250804	11.49
LOWER LIMIT	63214	3.40	1257870	6.92	1062701	10.49
LAB SAMPLE ID	CLIENT SAMPLE ID					
MB 410-581872/6			121146	3.93	2437169	7.41
LCS 410-581872/7			143507	3.92	2564024	7.42
410-198585-1	HD-COD-SW-6-0/1-0		128460	3.92	2415162	7.41
410-198585-2	HD-COD-SW-7-0/1-0		119458	3.92	2382829	7.41
410-198585-3	HD-COD-SW-8-0/1-0		127905	3.90	2398467	7.42
410-198585-4	HD-COD-SW-9-0/1-0		133804	3.93	2353285	7.41
410-198585-5	HD-COD-SW-13-0/1-0		121275	3.93	2332643	7.42

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.: 410-198585-1

Sample No.: CCVIS 410-581872/3

Date Analyzed: 12/04/2024 09:50

Instrument ID: 19094

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

Lab File ID (Standard): HD04X02.D

Heated Purge: (Y/N) N

Calibration ID: 66594

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
12/24 HOUR STD		1213833	12.91				
UPPER LIMIT		2427666	13.41				
LOWER LIMIT		606917	12.41				
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 410-581872/6		1111132	12.91				
LCS 410-581872/7		1186110	12.91				
410-198585-1	HD-COD-SW-6-0/1-0	1117913	12.91				
410-198585-2	HD-COD-SW-7-0/1-0	1086535	12.91				
410-198585-3	HD-COD-SW-8-0/1-0	1098578	12.91				
410-198585-4	HD-COD-SW-9-0/1-0	1090648	12.91				
410-198585-5	HD-COD-SW-13-0/1-0	1074520	12.91				

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

Job No.: 410-198585-1

Sample No.: CCVIS 410-584018/3

Date Analyzed: 12/10/2024 10:03

Instrument ID: 19094

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

Lab File ID (Standard): HD10X02.D

Heated Purge: (Y/N) N

Calibration ID: 66594

		TBAd10		FB		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		114920	3.92	2267107	7.42	1792871	10.99
UPPER LIMIT		229840	4.42	4534214	7.92	3585742	11.49
LOWER LIMIT		57460	3.42	1133554	6.92	896436	10.49
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-584018/4		106422	3.95	2354275	7.42	1824404	10.99
LCSD 410-584018/5		115522	3.91	2396674	7.42	1860555	10.99
MB 410-584018/7		128415	3.94	2311507	7.42	1796357	10.99
410-198585-8 DL	HD-COD-SW-17-0/1-0 DL	111267	3.92	2400735	7.42	1868863	10.99
410-198585-13 DL	HD-QC1-0/1-1 DL	102791	3.93	2402815	7.42	1875547	10.99

TBAd10 = t-Butyl alcohol-d10 (IS)

FB = Fluorobenzene (IS)

CBZd5 = Chlorobenzene-d5 (IS)

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

Job No.: 410-198585-1

Sample No.: CCVIS 410-584018/3

Date Analyzed: 12/10/2024 10:03

GC Column: R-624SilMS 30m

ID: 0.25 (mm)

Heated Purge: (Y/N) N

Calibration ID: 66594

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
12/24 HOUR STD		1054383	12.91				
UPPER LIMIT		2108766	13.41				
LOWER LIMIT		527192	12.41				
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-584018/4		1045998	12.91				
LCSD 410-584018/5		1045399	12.91				
MB 410-584018/7		986992	12.91				
410-198585-8 DL	HD-COD-SW-17-0/1-0 DL	1005825	12.91				
410-198585-13 DL	HD-QC1-0/1-1 DL	1016778	12.91				

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 I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-198585-1

SDG No.:

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

Lab Sample ID: 410-198585-1

Matrix: Water

Lab File ID: HD04X22.D

Analysis Method: 8260D

Date Collected: 11/25/2024 10:35

Sample wt/vol: 25 (mL)

Date Analyzed: 12/04/2024 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.: 581872

Units: ug/L

Preparation Batch No.:

Instrument ID: 19094

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	5.4		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	^c cn	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	0.095	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.: 410-198585-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: HD-COD-SW-6-0/1-0 Lab Sample ID: 410-198585-1

Matrix: Water Lab File ID: HD04X22.D

Analysis Method: 8260D Date Collected: 11/25/2024 10:35

Sample wt/vol: 25 (mL) Date Analyzed: 12/04/2024 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.: 581872 Units: ug/L

Preparation Batch No.: _____ Instrument ID: 19094

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	0.18	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)	102		80-120
1868-53-7	Dibromofluoromethane (Surr)	106		80-120
2037-26-5	Toluene-d8 (Surr)	94		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20241204-132298.b\HD04X22.D
 Lims ID: 410-198585-A-1
 Client ID: HD-COD-SW-6-0/1-0
 Sample Type: Client
 Inject. Date: 04-Dec-2024 16:54:30 ALS Bottle#: 22 Worklist Smp#: 23
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0132298-023
 Operator ID: ecr105096 Instrument ID: 19094
 Method: \\chromfs\Lancaster\ChromData\19094\20241204-132298.b\MSV_19094_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 05-Dec-2024 07:24:13 Calib Date: 15-Oct-2024 00:00:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1661

First Level Reviewer: N9NA

Date: 05-Dec-2024 07:24:13

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50		2.038				ND	7
6 Vinyl chloride	62		2.148				ND	7
9 Bromomethane	94		2.459				ND	
10 Chloroethane	64		2.507				ND	
17 1,1-Dichloroethene	96		3.306				ND	
19 Acetone	43	3.385	3.336	0.049	83	38943	5.45	
23 Carbon disulfide	76	3.586	3.592	-0.006	94	9882	0.0741	M
* 28 t-Butyl alcohol-d10 (IS)	65	3.922	3.903	0.019	98	128460	50.0	
27 Methylene Chloride	84		3.909				ND	7
32 Methyl tert-butyl ether	73		4.281				ND	
33 trans-1,2-Dichloroethene	96		4.306				ND	
36 1,1-Dichloroethane	63		4.964				ND	
41 2-Butanone (MEK)	43		5.751				ND	
42 cis-1,2-Dichloroethene	96	5.824	5.799	0.025	5	5427	0.0947	M
48 Chlorobromomethane	128		6.141				ND	
50 Chloroform	83	6.293	6.293	0.000	88	6163	0.0680	
\$ 52 Dibromofluoromethane (Surr)	113	6.507	6.506	0.001	93	599398	10.6	
53 1,1,1-Trichloroethane	97		6.519				ND	
56 Carbon tetrachloride	117		6.738				ND	
\$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.964	6.958	0.006	58	114681	10.0	
59 Benzene	78		7.000				ND	7
60 1,2-Dichloroethane	62		7.067				ND	
* 64 Fluorobenzene (IS)	96	7.409	7.415	-0.006	98	2415162	10.0	
68 Trichloroethene	95	7.915	7.903	0.012	96	9746	0.1752	M
70 1,2-Dichloropropane	63		8.238				ND	
76 Dichlorobromomethane	83		8.591				ND	
80 cis-1,3-Dichloropropene	75		9.158				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.341				ND	7
\$ 83 Toluene-d8 (Surr)	98	9.482	9.482	0.000	94	2591310	9.42	
84 Toluene	92	9.579	9.561	0.018	93	5489	0.0347	
85 trans-1,3-Dichloropropene	75		9.841				ND	
106 1,1,2-Trichloroethane	97		10.048				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
107 Tetrachloroethene	166	10.146	10.140	0.006	89	1920	0.0269	
109 2-Hexanone	43		10.274				ND	
111 Chlorodibromomethane	129		10.439				ND	
112 Ethylene Dibromide	107		10.548				ND	
* 113 Chlorobenzene-d5 (IS)	117	10.993	10.993	0.000	87	2006210	10.0	
115 Chlorobenzene	112		11.018				ND	7
116 1,1,1,2-Tetrachloroethane	131		11.109				ND	
117 Ethylbenzene	91		11.109				ND	7
119 m-Xylene & p-Xylene	106		11.231				ND	7
S 118 Xylenes, Total	106		11.245				ND	7
120 o-Xylene	106		11.566				ND	7
121 Styrene	104		11.579				ND	7
122 Bromoform	173		11.737				ND	
\$ 126 4-Bromofluorobenzene (Surr)	95	12.018	12.018	0.000	89	1010227	10.2	
127 1,1,2,2-Tetrachloroethane	83		12.121				ND	
* 141 1,4-Dichlorobenzene-d4	152	12.908	12.908	0.000	96	1117913	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

Reagents:

MSV_LLcentISS_00013

Amount Added: 5.00

Units: uL

Run Reagent

Report Date: 05-Dec-2024 07:24:14

Chrom Revision: 2.3 12-Nov-2024 16:55:22

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20241204-132298.b\HD04X22.D

Injection Date: 04-Dec-2024 16:54:30

Instrument ID: 19094

Operator ID: ecr105096

Lims ID: 410-198585-A-1

Lab Sample ID: 410-198585-1

Worklist Smp#: 23

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

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

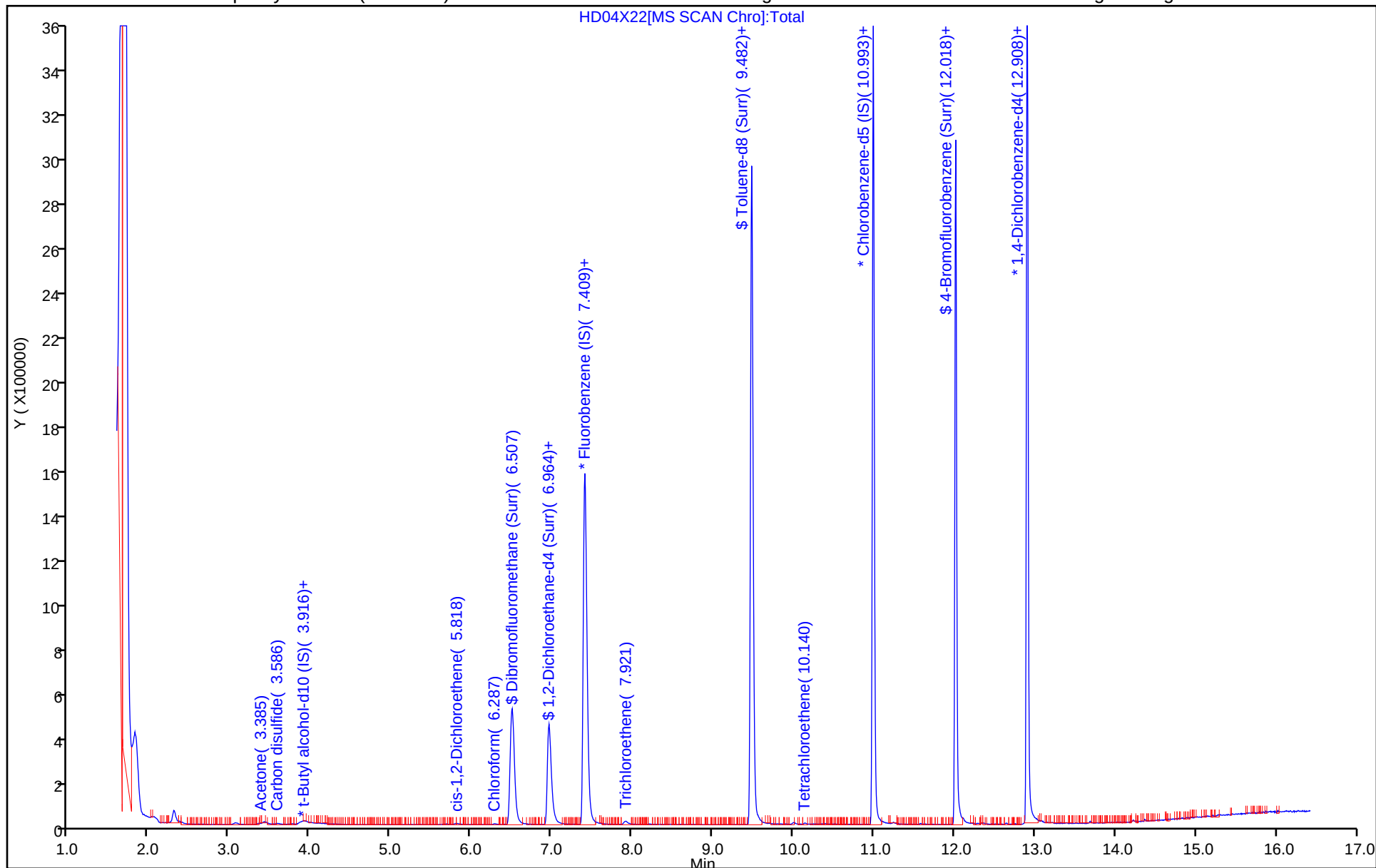
ALS Bottle#: 22

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\19094\20241204-132298.b\HD04X22.D
Lims ID: 410-198585-A-1
Client ID: HD-COD-SW-6-0/1-0
Sample Type: Client
Inject. Date: 04-Dec-2024 16:54:30 ALS Bottle#: 22 Worklist Smp#: 23
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0132298-023
Operator ID: ecr105096 Instrument ID: 19094
Method: \\chromfs\Lancaster\ChromData\19094\20241204-132298.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 05-Dec-2024 07:24:13 Calib Date: 15-Oct-2024 00:00:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X18.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1661

First Level Reviewer: N9NA

Date: 05-Dec-2024 07:24:13

Compound	Amount Added	Amount Recovered	% Rec.
\$ 52 Dibromofluoromethane (Surr)	10.0	10.6	106.38
\$ 58 1,2-Dichloroethane-d4 (Surr)	10.0	10.0	100.08
\$ 83 Toluene-d8 (Surr)	10.0	9.42	94.23
\$ 126 4-Bromofluorobenzene (Surr)	10.0	10.2	102.45

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20241204-132298.b\HD04X22.D

Injection Date: 04-Dec-2024 16:54:30

Instrument ID: 19094

Lims ID: 410-198585-A-1

Lab Sample ID: 410-198585-1

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

Operator ID: ecr105096

ALS Bottle#: 22

Worklist Smp#: 23

Purge Vol: 25.000 mL

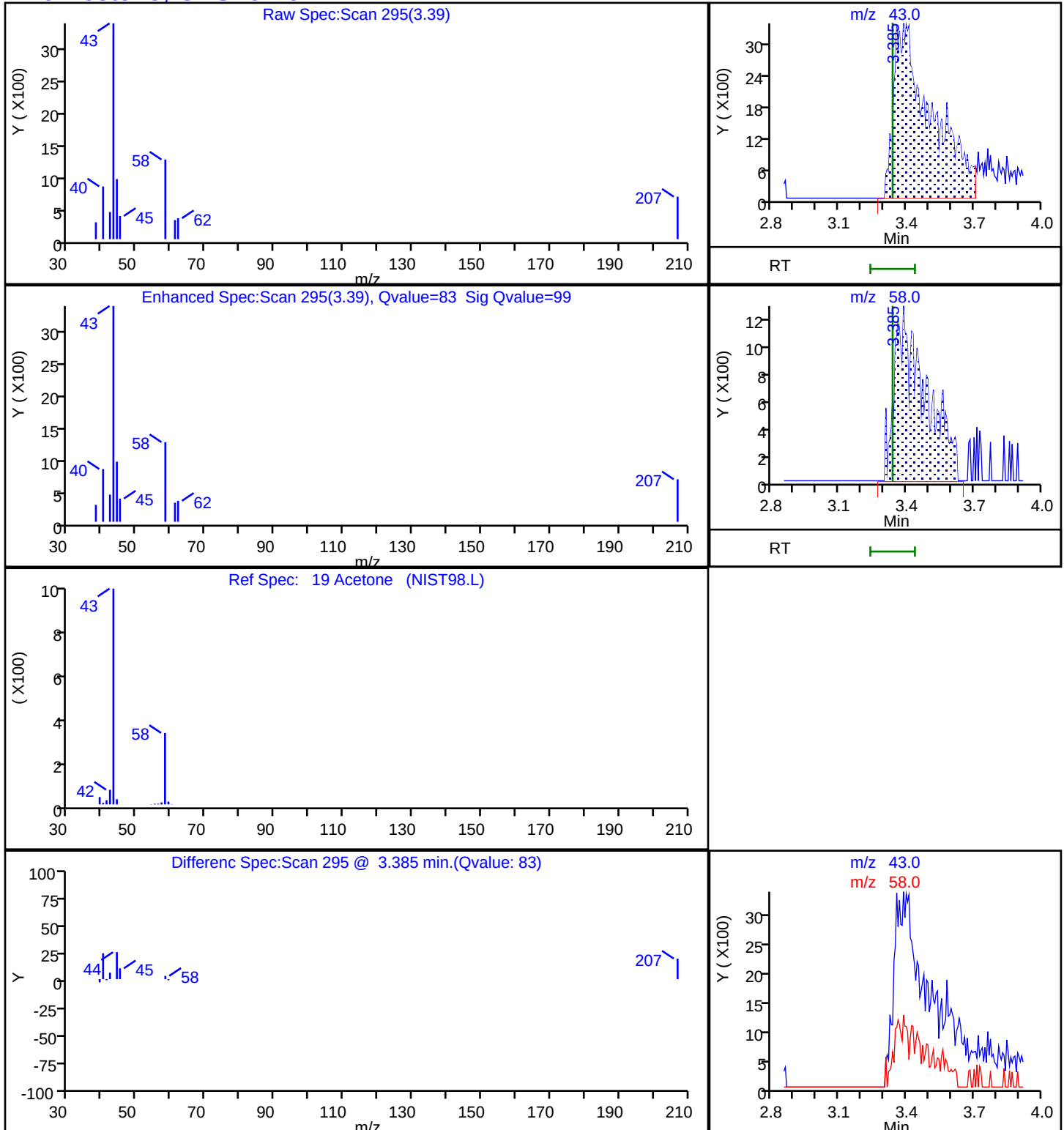
Dil. Factor: 1.0000

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

19 Acetone, CAS: 67-64-1

Data File: \\chromfs\Lancaster\ChromData\19094\20241204-132298.b\HD04X22.D

Injection Date: 04-Dec-2024 16:54:30

Instrument ID: 19094

Lims ID: 410-198585-A-1

Lab Sample ID: 410-198585-1

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

Operator ID: ecr105096

ALS Bottle#: 22

Worklist Smp#: 23

Purge Vol: 25.000 mL

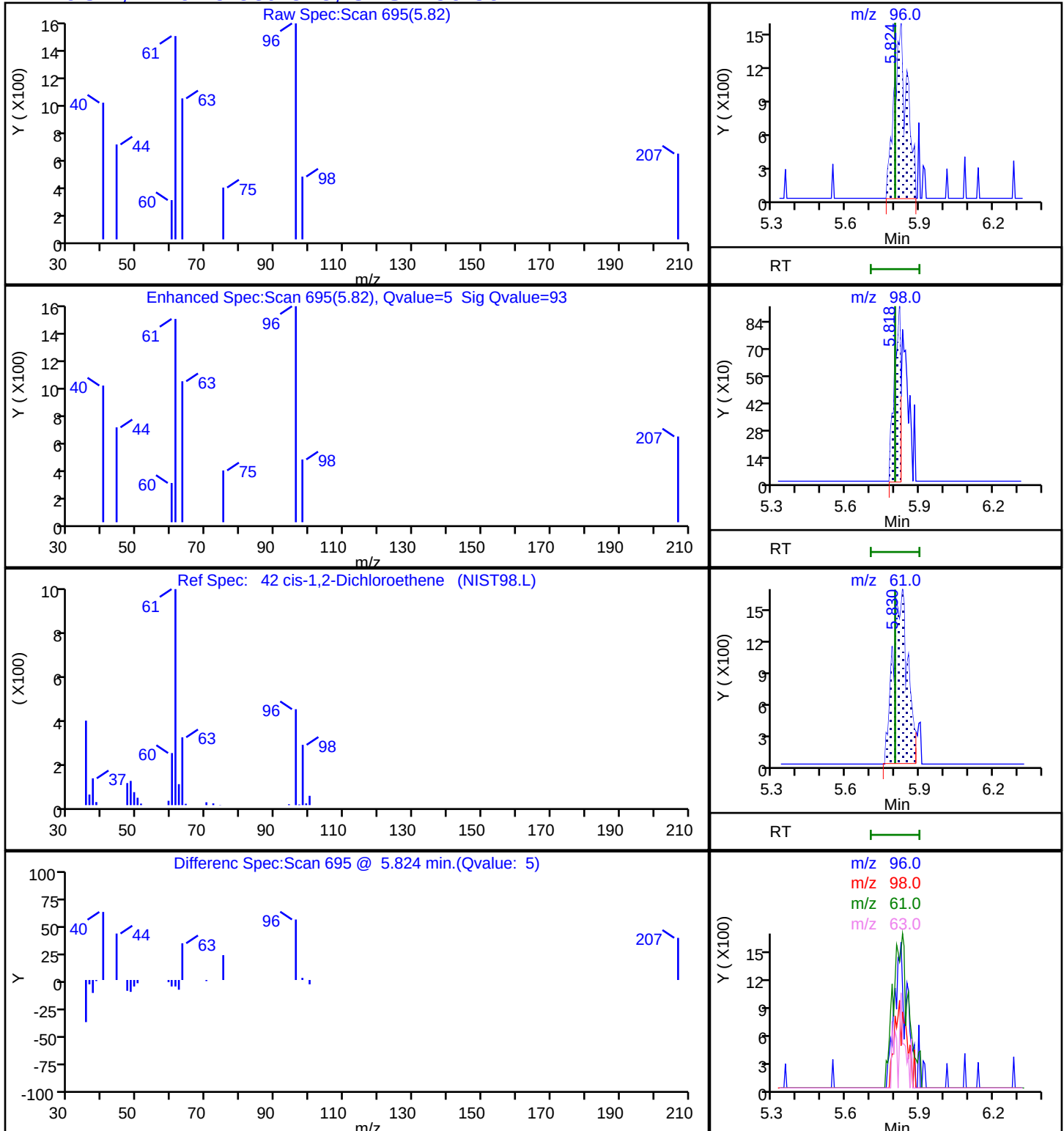
Dil. Factor: 1.0000

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

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

Data File: \\chromfs\Lancaster\ChromData\19094\20241204-132298.b\HD04X22.D

Injection Date: 04-Dec-2024 16:54:30

Instrument ID: 19094

Lims ID: 410-198585-A-1

Lab Sample ID: 410-198585-1

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

Operator ID: ecr105096

ALS Bottle#: 22

Worklist Smp#: 23

Purge Vol: 25.000 mL

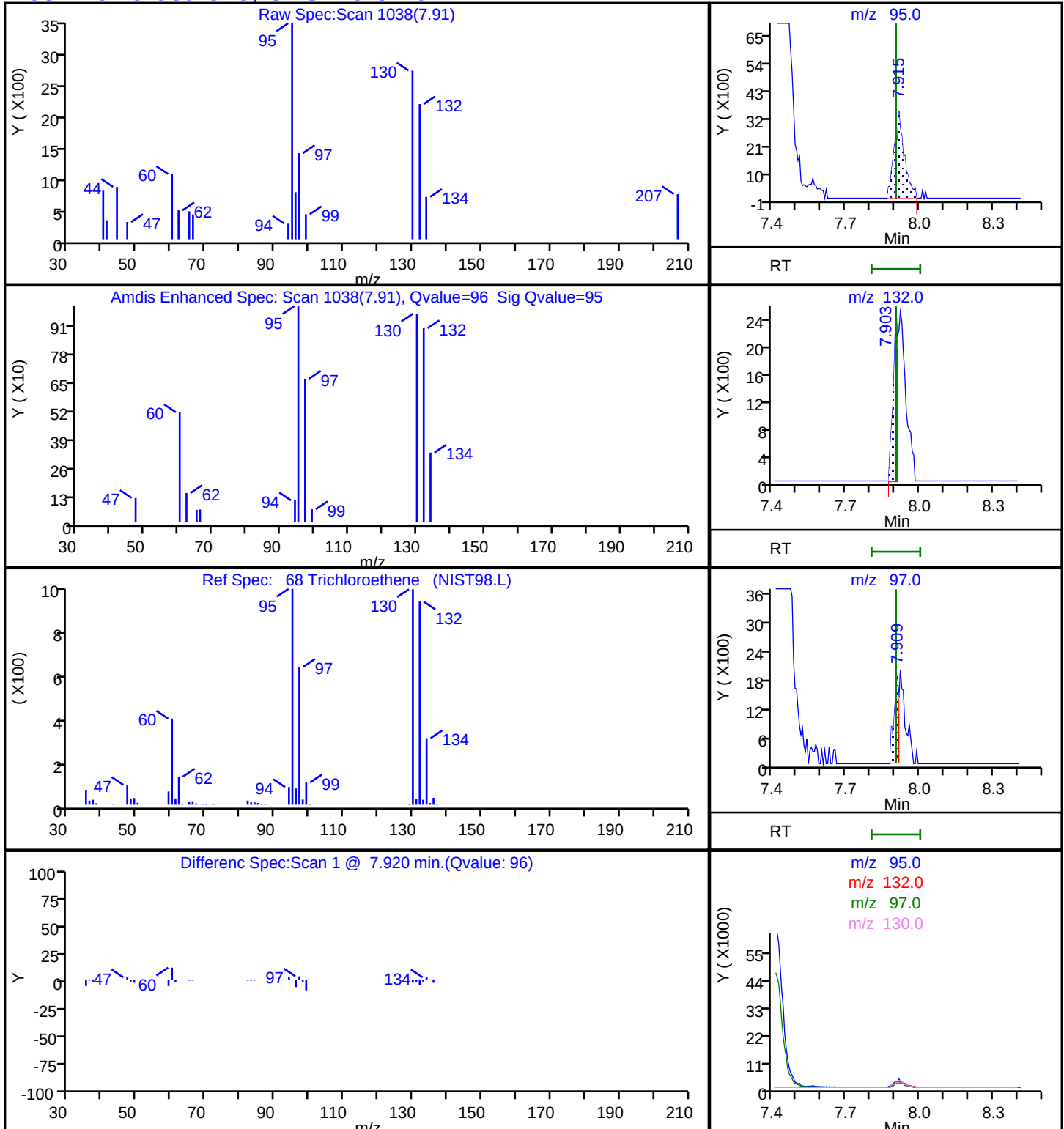
Dil. Factor: 1.0000

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm ID) x 30 m

MS Quad

68 Trichloroethene, CAS: 79-01-6

Eurofins Lancaster Laboratories Environment Testing, LLC

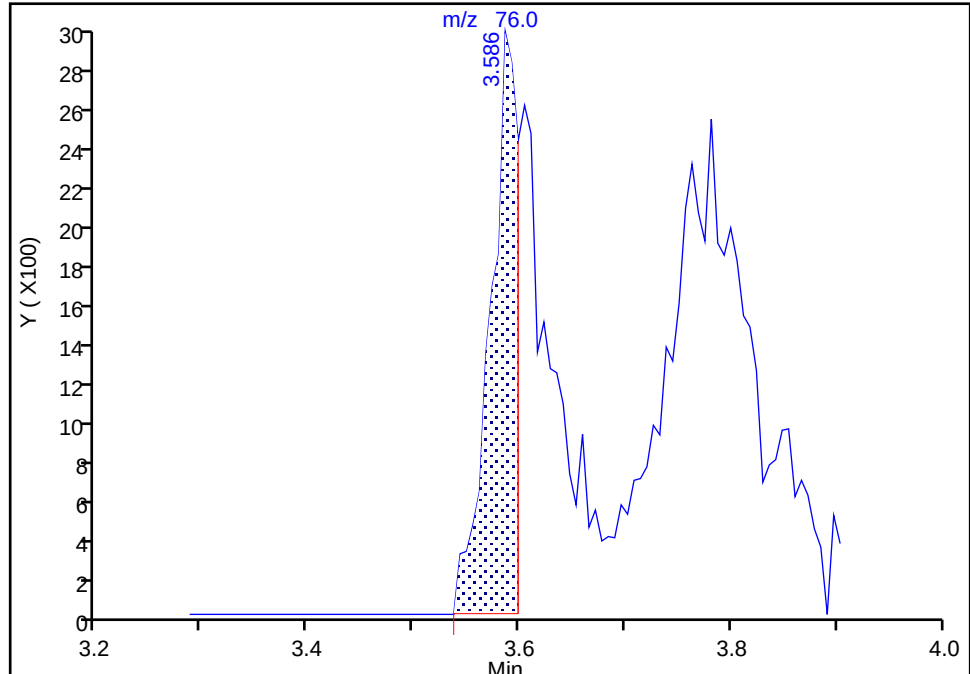
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Injection Date: 04-Dec-2024 16:54:30 Instrument ID: 19094
Lims ID: 410-198585-A-1 Lab Sample ID: 410-198585-1
Client ID: HD-COD-SW-6-0/1-0
Operator ID: ecr105096 ALS Bottle#: 22 Worklist Smp#: 23
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

23 Carbon disulfide, CAS: 75-15-0

Signal: 1

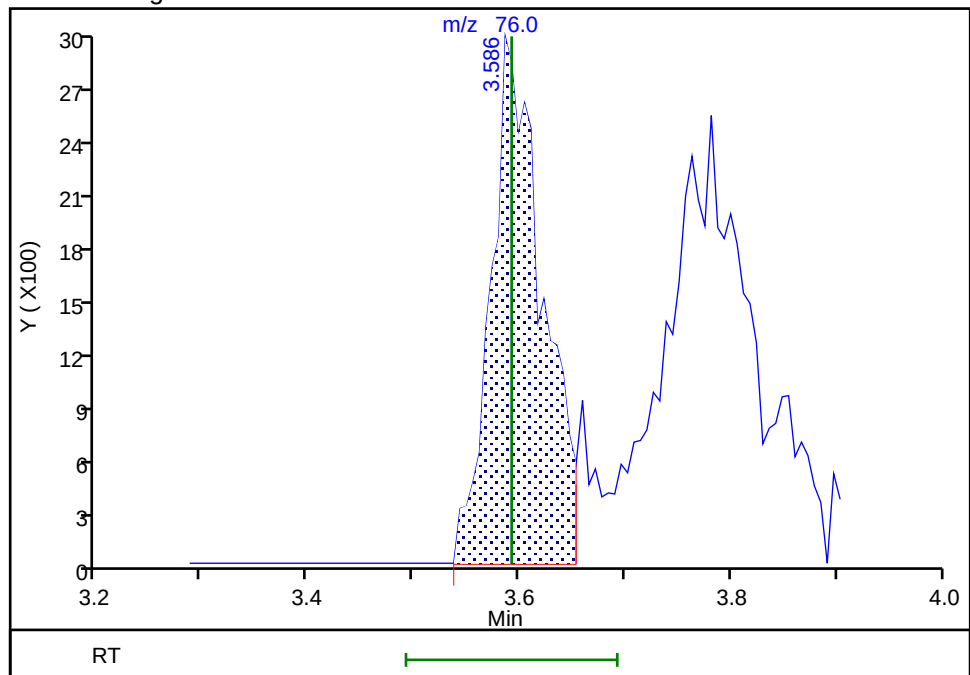
RT: 3.59
Area: 5311
Amount: 0.039800
Amount Units: ug/l

Processing Integration Results



RT: 3.59
Area: 9882
Amount: 0.074055
Amount Units: ug/l

Manual Integration Results



Reviewer: N9NA, 05-Dec-2024 07:22:13 07:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

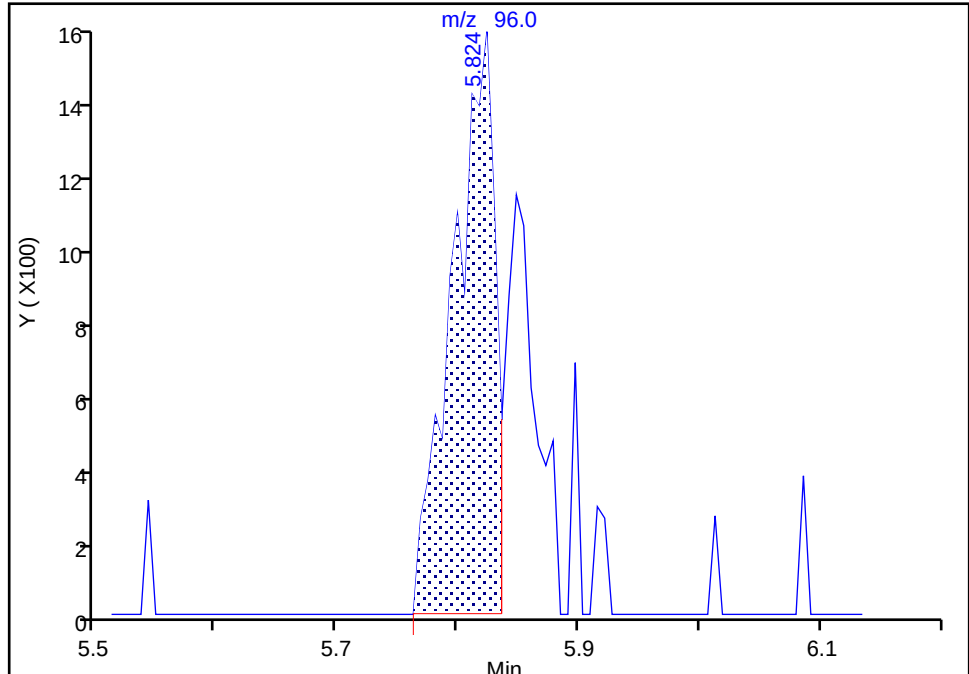
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Injection Date: 04-Dec-2024 16:54:30 Instrument ID: 19094
Lims ID: 410-198585-A-1 Lab Sample ID: 410-198585-1
Client ID: HD-COD-SW-6-0/1-0
Operator ID: ecr105096 ALS Bottle#: 22 Worklist Smp#: 23
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

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

Signal: 1

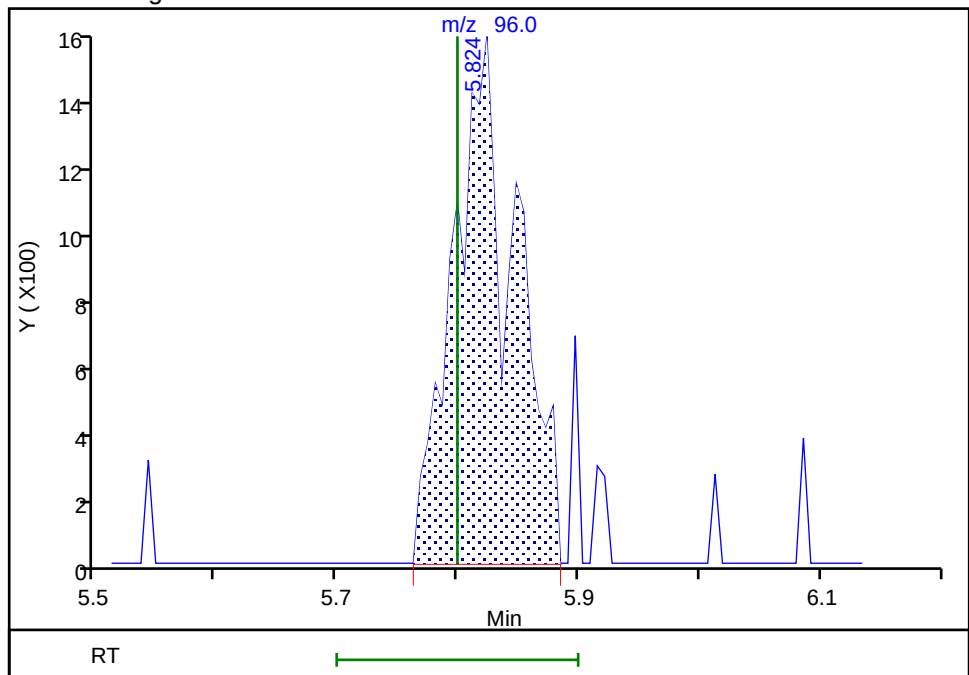
RT: 5.82
Area: 3673
Amount: 0.064125
Amount Units: ug/l

Processing Integration Results



RT: 5.82
Area: 5427
Amount: 0.094747
Amount Units: ug/l

Manual Integration Results



Reviewer: N9NA, 05-Dec-2024 07:22:35 07:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

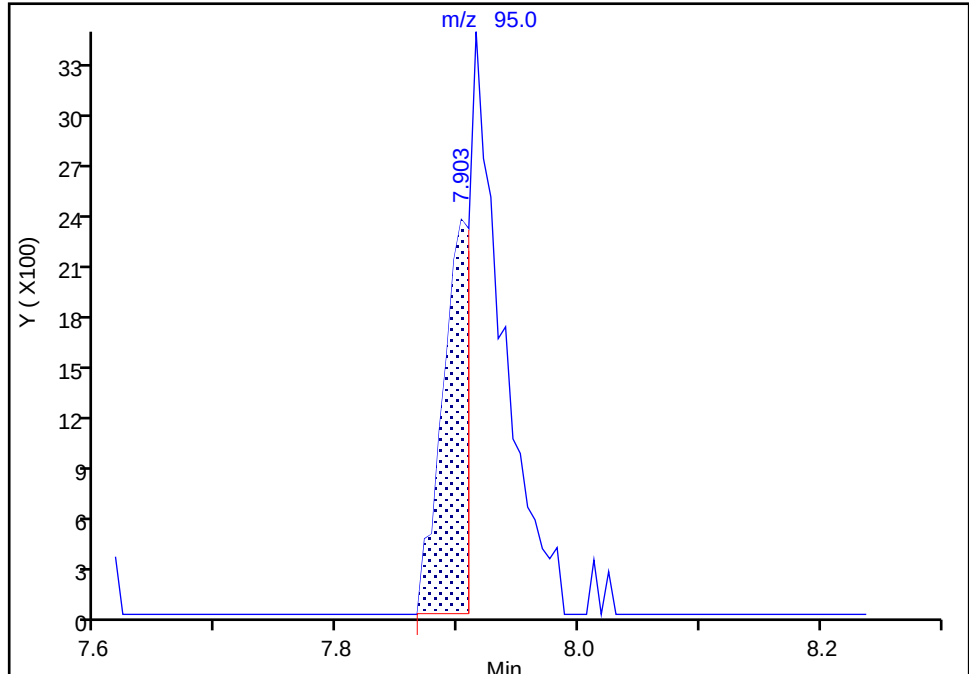
Data File: \\chromfs\Lancaster\ChromData\19094\20241204-132298.b\HD04X22.D
Injection Date: 04-Dec-2024 16:54:30 Instrument ID: 19094
Lims ID: 410-198585-A-1 Lab Sample ID: 410-198585-1
Client ID: HD-COD-SW-6-0/1-0
Operator ID: ecr105096 ALS Bottle#: 22 Worklist Smp#: 23
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

68 Trichloroethene, CAS: 79-01-6

Signal: 1

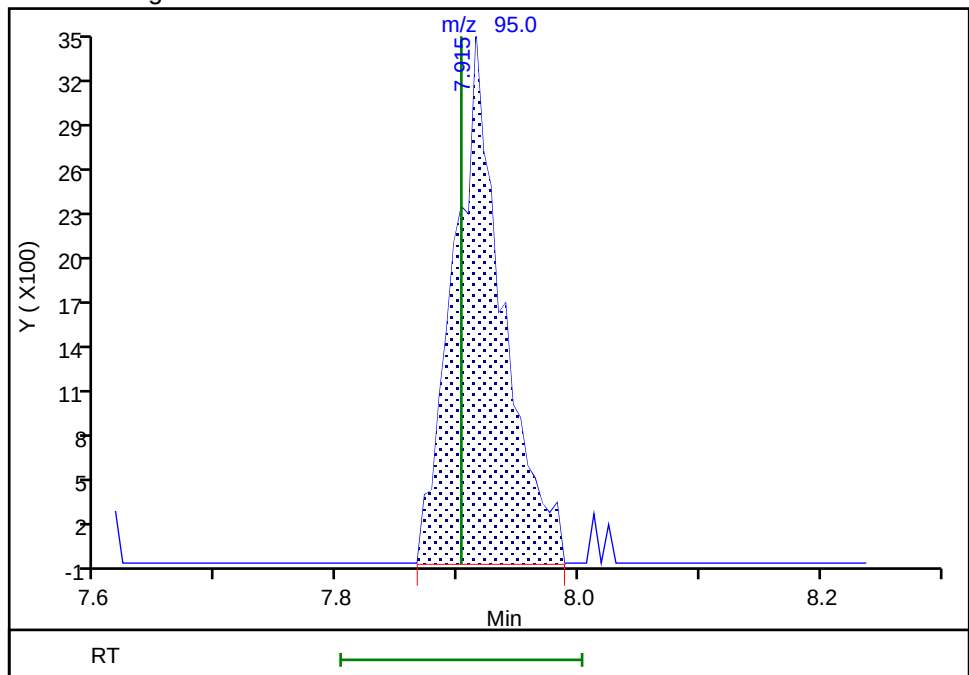
RT: 7.90
Area: 3770
Amount: 0.067789
Amount Units: ug/l

Processing Integration Results



RT: 7.91
Area: 9746
Amount: 0.175244
Amount Units: ug/l

Manual Integration Results



Reviewer: N9NA, 05-Dec-2024 07:23:53 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.: 410-198585-1

SDG No.:

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

Lab Sample ID: 410-198585-2

Matrix: Water

Lab File ID: HD04X23.D

Analysis Method: 8260D

Date Collected: 11/25/2024 11:15

Sample wt/vol: 25 (mL)

Date Analyzed: 12/04/2024 17:15

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 581872

Units: ug/L

Preparation Batch No.:

Instrument ID: 19094

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	14		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	0.16	J	1.0	0.10
56-23-5	Carbon tetrachloride	ND	^c cn	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	0.18	J	0.50	0.090
74-87-3	Chloromethane	ND		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	0.22	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.: 410-198585-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: HD-COD-SW-7-0/1-0 Lab Sample ID: 410-198585-2

Matrix: Water Lab File ID: HD04X23.D

Analysis Method: 8260D Date Collected: 11/25/2024 11:15

Sample wt/vol: 25 (mL) Date Analyzed: 12/04/2024 17:15

Soil Aliquot Vol: _____ Dilution Factor: 1

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

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

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

Analysis Batch No.: 581872 Units: ug/L

Preparation Batch No.: _____ Instrument ID: 19094

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	0.42	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)	103		80-120
1868-53-7	Dibromofluoromethane (Surr)	106		80-120
2037-26-5	Toluene-d8 (Surr)	94		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20241204-132298.b\HD04X23.D
 Lims ID: 410-198585-A-2
 Client ID: HD-COD-SW-7-0/1-0
 Sample Type: Client
 Inject. Date: 04-Dec-2024 17:15:30 ALS Bottle#: 23 Worklist Smp#: 24
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0132298-024
 Operator ID: ecr105096 Instrument ID: 19094
 Method: \\chromfs\Lancaster\ChromData\19094\20241204-132298.b\MSV_19094_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 05-Dec-2024 07:27:45 Calib Date: 15-Oct-2024 00:00:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1661

First Level Reviewer: N9NA

Date: 05-Dec-2024 07:27:45

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50		2.038				ND	7
6 Vinyl chloride	62		2.148				ND	7
9 Bromomethane	94		2.459				ND	
10 Chloroethane	64		2.507				ND	
17 1,1-Dichloroethene	96		3.306				ND	
19 Acetone	43	3.367	3.336	0.031	92	90645	13.6	
23 Carbon disulfide	76	3.599	3.592	0.007	98	20502	0.1557	
* 28 t-Butyl alcohol-d10 (IS)	65	3.922	3.903	0.019	98	119458	50.0	
27 Methylene Chloride	84		3.909				ND	
32 Methyl tert-butyl ether	73		4.281				ND	
33 trans-1,2-Dichloroethene	96		4.306				ND	7
36 1,1-Dichloroethane	63		4.964				ND	
41 2-Butanone (MEK)	43		5.751				ND	7
42 cis-1,2-Dichloroethene	96	5.812	5.799	0.013	80	12648	0.2238	M
48 Chlorobromomethane	128		6.141				ND	
50 Chloroform	83	6.299	6.293	0.006	92	15702	0.1756	
\$ 52 Dibromofluoromethane (Surr)	113	6.507	6.506	0.001	93	589451	10.6	
53 1,1,1-Trichloroethane	97		6.519				ND	
56 Carbon tetrachloride	117		6.738				ND	
\$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.970	6.958	0.012	70	111738	9.88	
59 Benzene	78		7.000				ND	7
60 1,2-Dichloroethane	62		7.067				ND	7
* 64 Fluorobenzene (IS)	96	7.409	7.415	-0.006	99	2382829	10.0	
68 Trichloroethene	95	7.909	7.903	0.006	98	22921	0.4177	M
70 1,2-Dichloropropane	63		8.238				ND	
76 Dichlorobromomethane	83		8.591				ND	7
80 cis-1,3-Dichloropropene	75		9.158				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.341				ND	7
\$ 83 Toluene-d8 (Surr)	98	9.482	9.482	0.000	94	2528928	9.45	
84 Toluene	92	9.573	9.561	0.012	80	3943	0.0256	
85 trans-1,3-Dichloropropene	75		9.841				ND	
106 1,1,2-Trichloroethane	97		10.048				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
107 Tetrachloroethene	166	10.146	10.140	0.006	86	5696	0.0821	
109 2-Hexanone	43		10.274				ND	7
111 Chlorodibromomethane	129		10.439				ND	
112 Ethylene Dibromide	107		10.548				ND	
* 113 Chlorobenzene-d5 (IS)	117	10.993	10.993	0.000	87	1952805	10.0	
115 Chlorobenzene	112		11.018				ND	
116 1,1,1,2-Tetrachloroethane	131		11.109				ND	
117 Ethylbenzene	91		11.109				ND	7
119 m-Xylene & p-Xylene	106		11.231				ND	7
S 118 Xylenes, Total	106		11.245				ND	7
120 o-Xylene	106		11.566				ND	7
121 Styrene	104		11.579				ND	7
122 Bromoform	173		11.737				ND	
\$ 126 4-Bromofluorobenzene (Surr)	95	12.018	12.018	0.000	89	990965	10.3	
127 1,1,2,2-Tetrachloroethane	83		12.121				ND	
* 141 1,4-Dichlorobenzene-d4	152	12.908	12.908	0.000	96	1086535	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

Reagents:

MSV_LLcentISS_00013

Amount Added: 5.00

Units: uL

Run Reagent

Data File: \\chromfs\Lancaster\ChromData\19094\20241204-132298.b\HD04X23.D

Injection Date: 04-Dec-2024 17:15:30

Instrument ID: 19094

Operator ID: ecr105096

Lims ID: 410-198585-A-2

Lab Sample ID: 410-198585-2

Worklist Smp#: 24

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

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

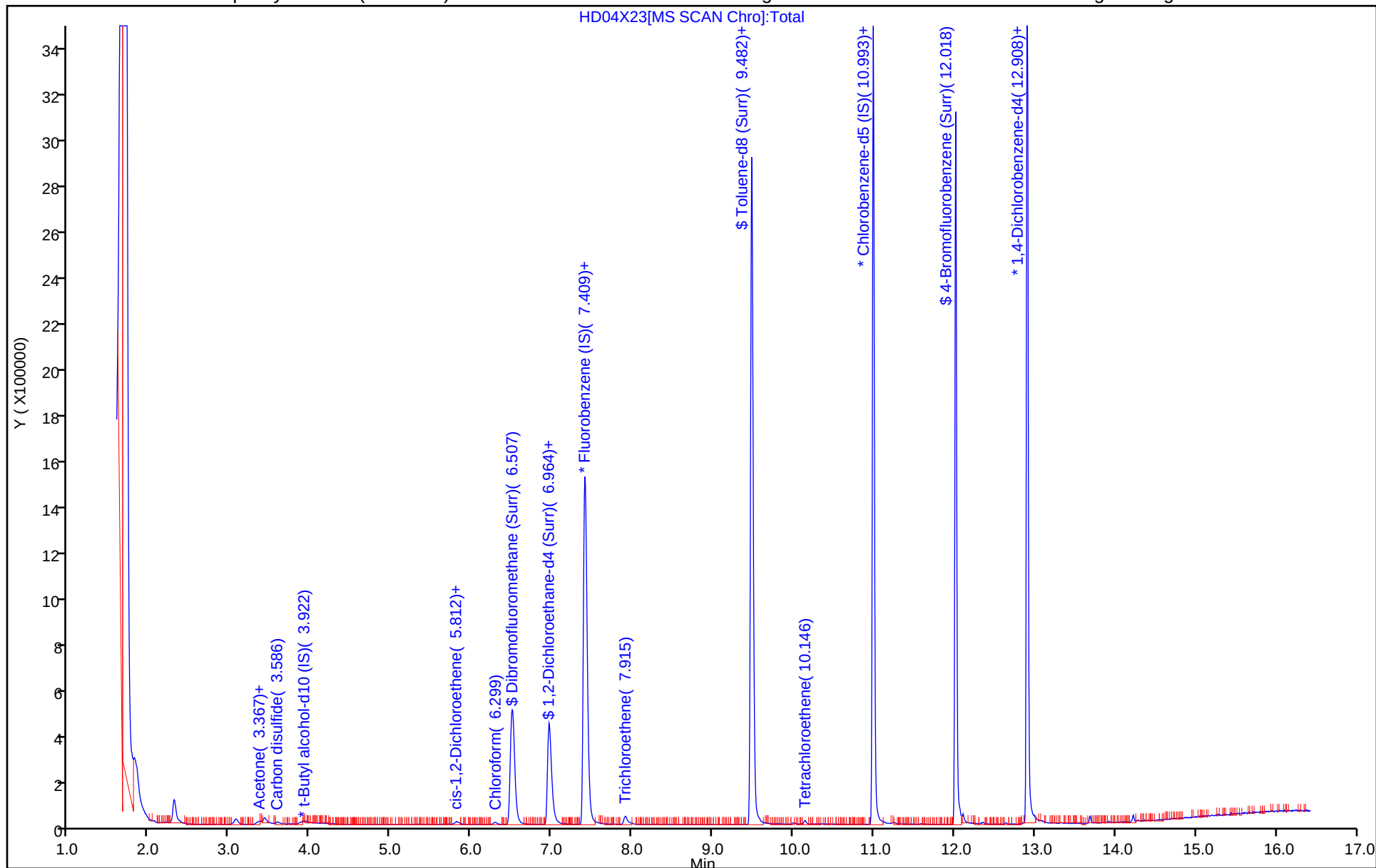
ALS Bottle#: 23

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\19094\20241204-132298.b\HD04X23.D
Lims ID: 410-198585-A-2
Client ID: HD-COD-SW-7-0/1-0
Sample Type: Client
Inject. Date: 04-Dec-2024 17:15:30 ALS Bottle#: 23 Worklist Smp#: 24
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0132298-024
Operator ID: ecr105096 Instrument ID: 19094
Method: \\chromfs\Lancaster\ChromData\19094\20241204-132298.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 05-Dec-2024 07:27:45 Calib Date: 15-Oct-2024 00:00:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X18.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1661

First Level Reviewer: N9NA

Date: 05-Dec-2024 07:27:45

Compound	Amount Added	Amount Recovered	% Rec.
\$ 52 Dibromofluoromethane (Surr)	10.0	10.6	106.04
\$ 58 1,2-Dichloroethane-d4 (Surr)	10.0	9.88	98.84
\$ 83 Toluene-d8 (Surr)	10.0	9.45	94.48
\$ 126 4-Bromofluorobenzene (Surr)	10.0	10.3	103.24

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20241204-132298.b\HD04X23.D

Injection Date: 04-Dec-2024 17:15:30

Instrument ID: 19094

Lims ID: 410-198585-A-2

Lab Sample ID: 410-198585-2

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

Operator ID: ecr105096

ALS Bottle#: 23

Worklist Smp#: 24

Purge Vol: 25.000 mL

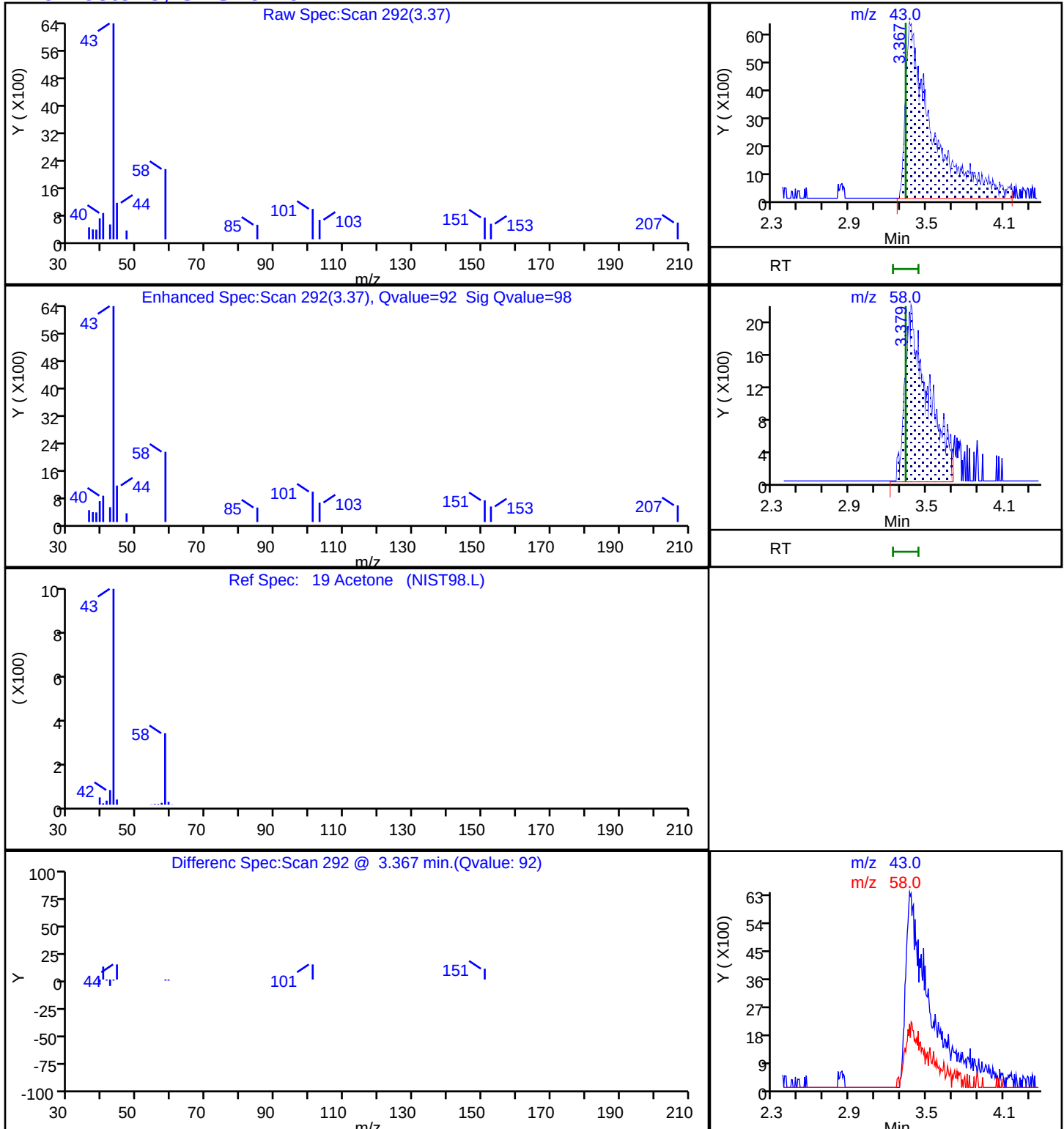
Dil. Factor: 1.0000

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

19 Acetone, CAS: 67-64-1

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20241204-132298.b\HD04X23.D

Injection Date: 04-Dec-2024 17:15:30

Instrument ID: 19094

Lims ID: 410-198585-A-2

Lab Sample ID: 410-198585-2

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

Operator ID: ecr105096

ALS Bottle#: 23

Worklist Smp#: 24

Purge Vol: 25.000 mL

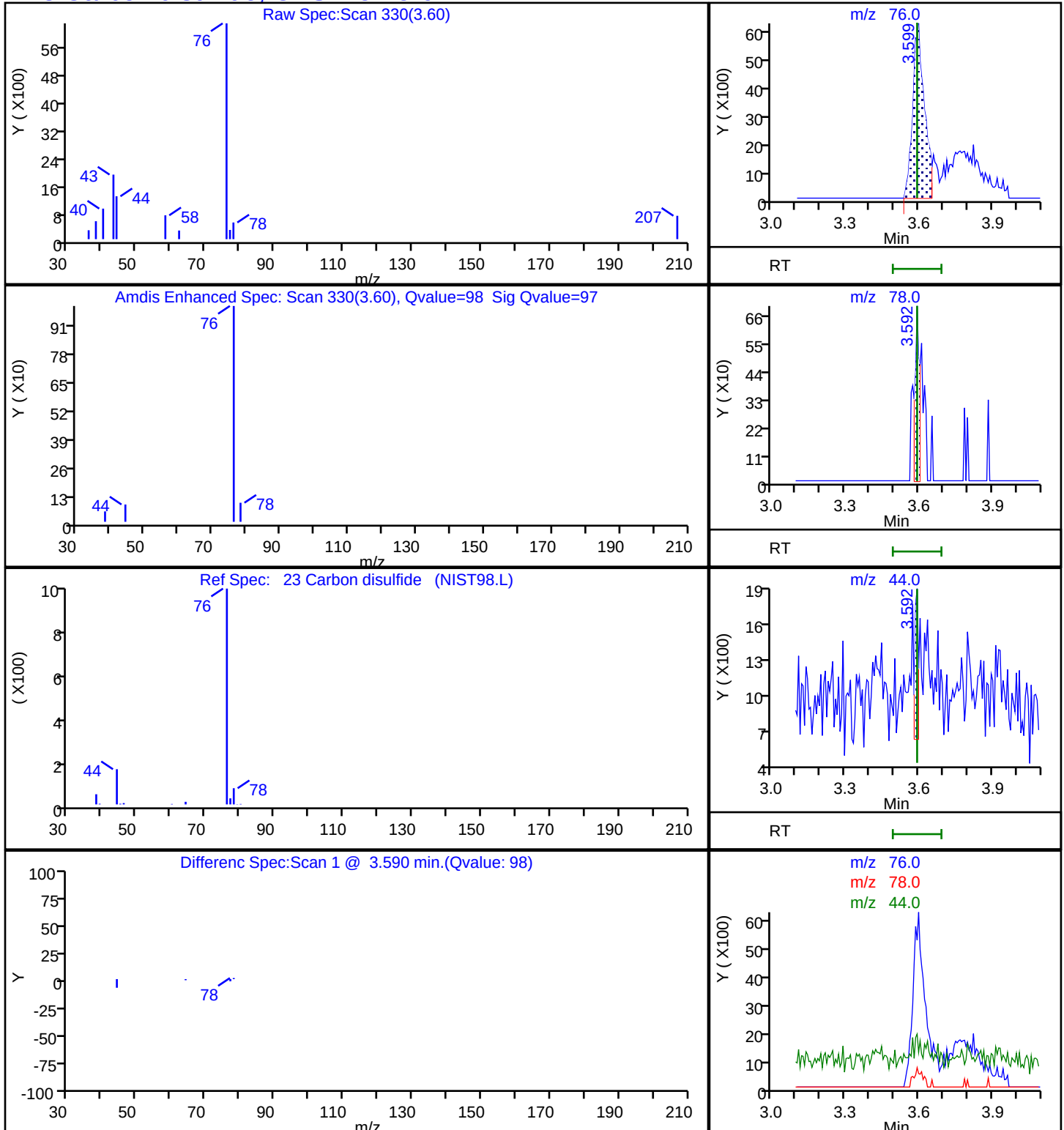
Dil. Factor: 1.0000

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID) x 30m

MS Quad

23 Carbon disulfide, CAS: 75-15-0

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20241204-132298.b\HD04X23.D

Injection Date: 04-Dec-2024 17:15:30

Instrument ID: 19094

Lims ID: 410-198585-A-2

Lab Sample ID: 410-198585-2

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

Operator ID: ecr105096

ALS Bottle#: 23

Worklist Smp#: 24

Purge Vol: 25.000 mL

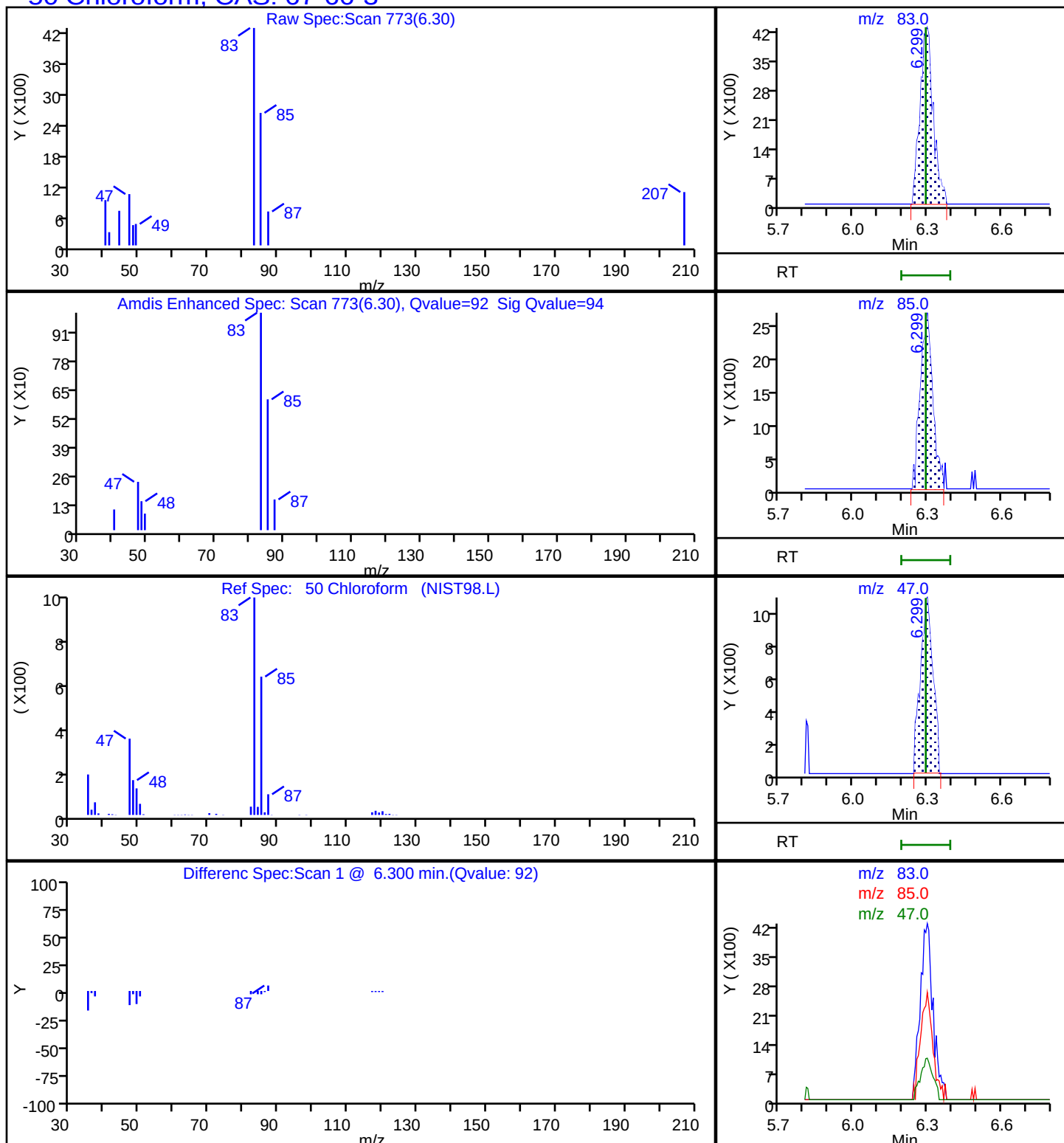
Dil. Factor: 1.0000

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

50 Chloroform, CAS: 67-66-3

Data File: \\chromfs\Lancaster\ChromData\19094\20241204-132298.b\HD04X23.D

Injection Date: 04-Dec-2024 17:15:30

Instrument ID: 19094

Lims ID: 410-198585-A-2

Lab Sample ID: 410-198585-2

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

Operator ID: ecr105096

ALS Bottle#: 23

Worklist Smp#: 24

Purge Vol: 25.000 mL

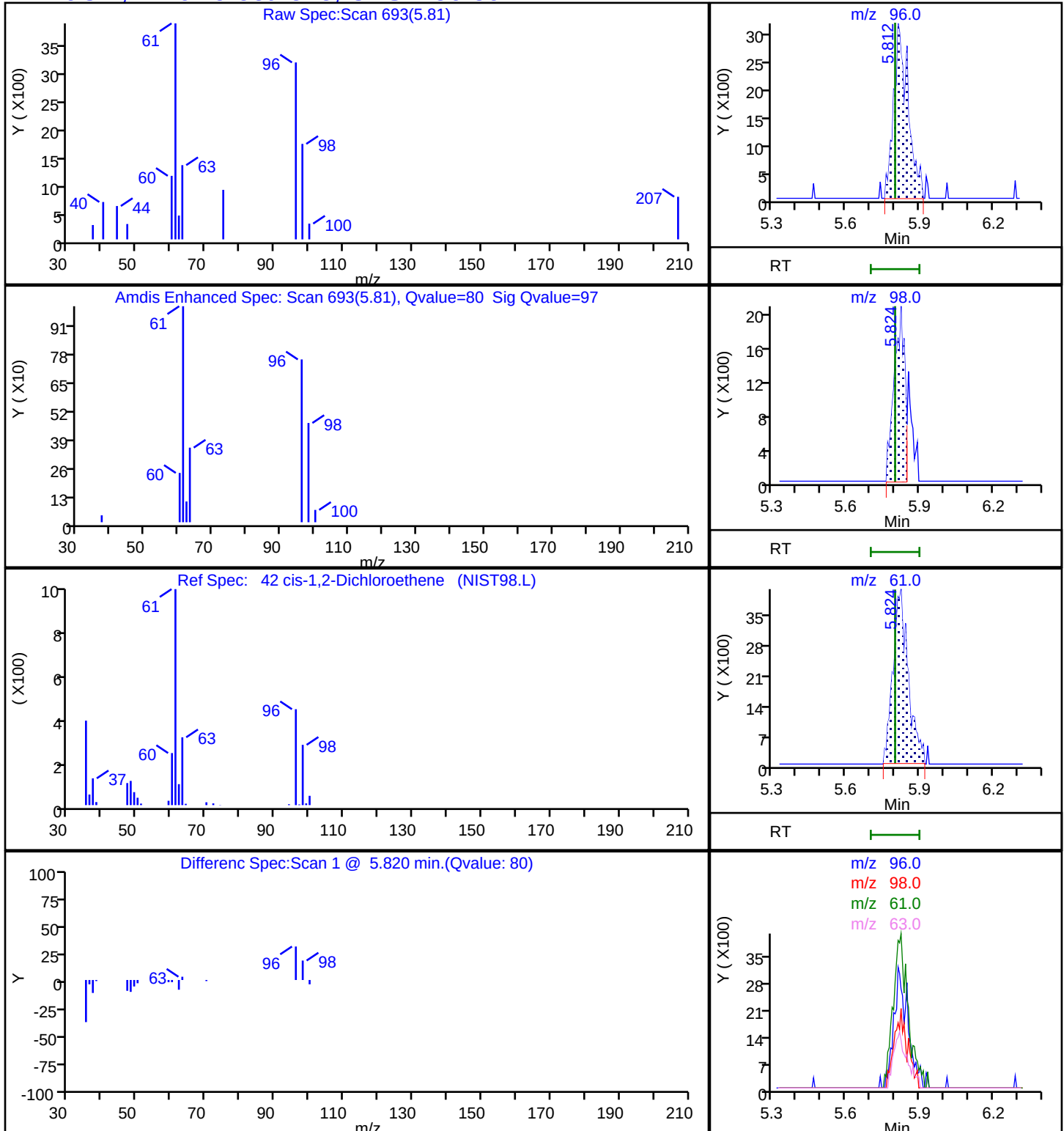
Dil. Factor: 1.0000

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID) x 100m

MS Quad

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

Data File: \\chromfs\Lancaster\ChromData\19094\20241204-132298.b\HD04X23.D

Injection Date: 04-Dec-2024 17:15:30

Instrument ID: 19094

Lims ID: 410-198585-A-2

Lab Sample ID: 410-198585-2

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

Operator ID: ecr105096

ALS Bottle#: 23

Worklist Smp#: 24

Purge Vol: 25.000 mL

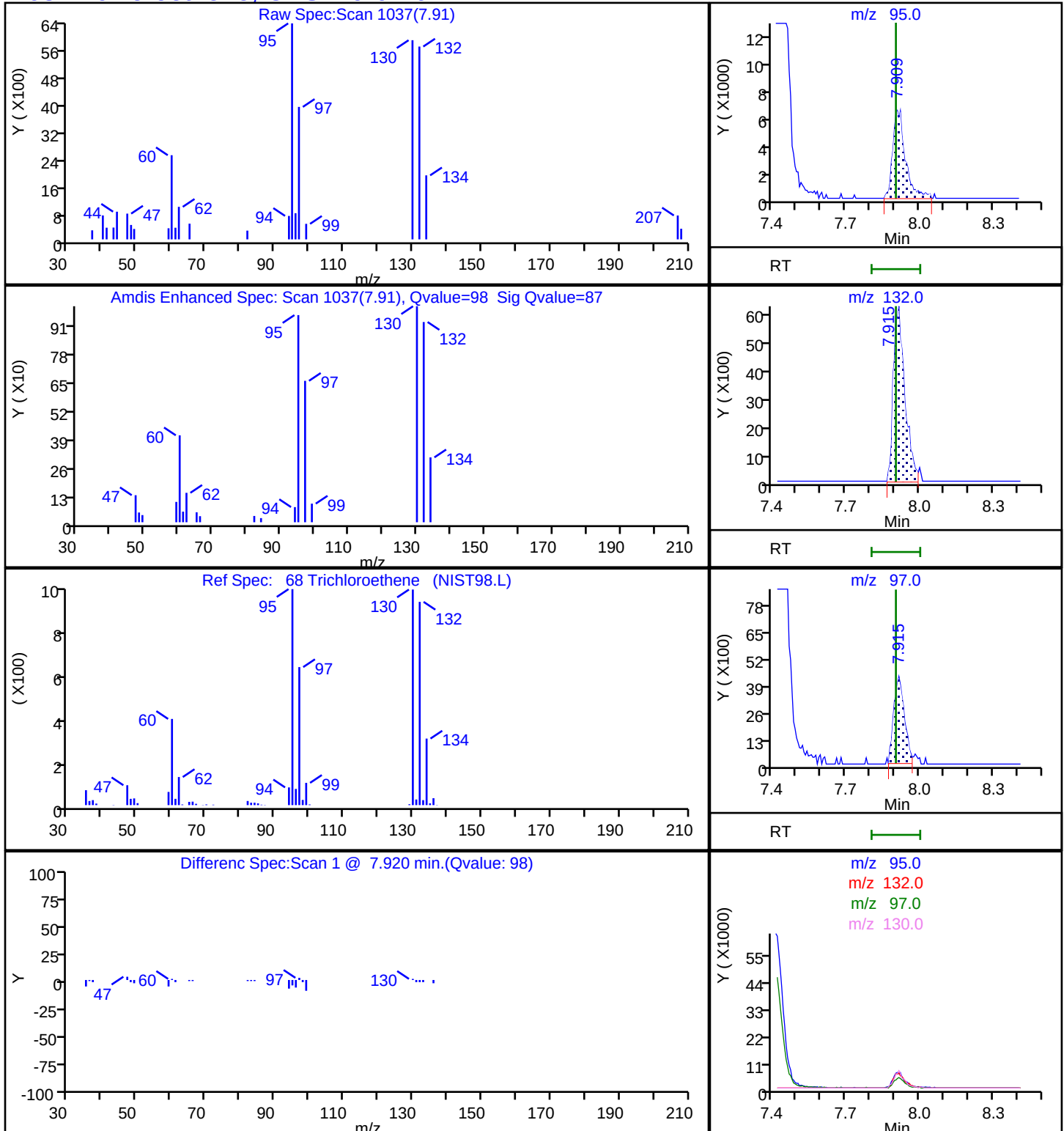
Dil. Factor: 1.0000

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm ID) x 30 m

MS Quad

68 Trichloroethene, CAS: 79-01-6

Eurofins Lancaster Laboratories Environment Testing, LLC

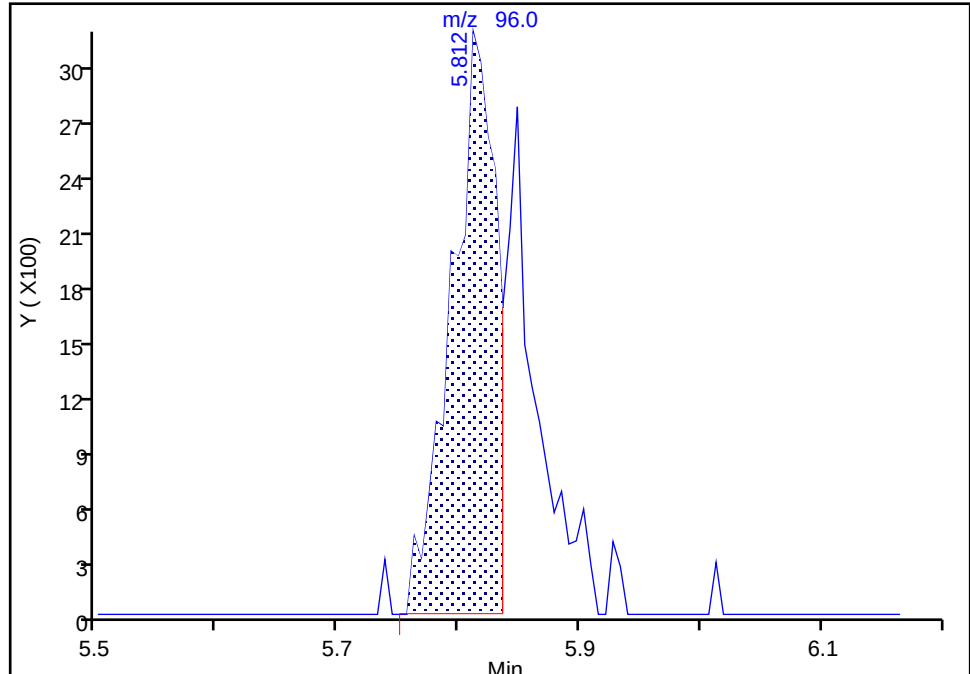
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Injection Date: 04-Dec-2024 17:15:30 Instrument ID: 19094
Lims ID: 410-198585-A-2 Lab Sample ID: 410-198585-2
Client ID: HD-COD-SW-7-0/1-0
Operator ID: ecr105096 ALS Bottle#: 23 Worklist Smp#: 24
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

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

Signal: 1

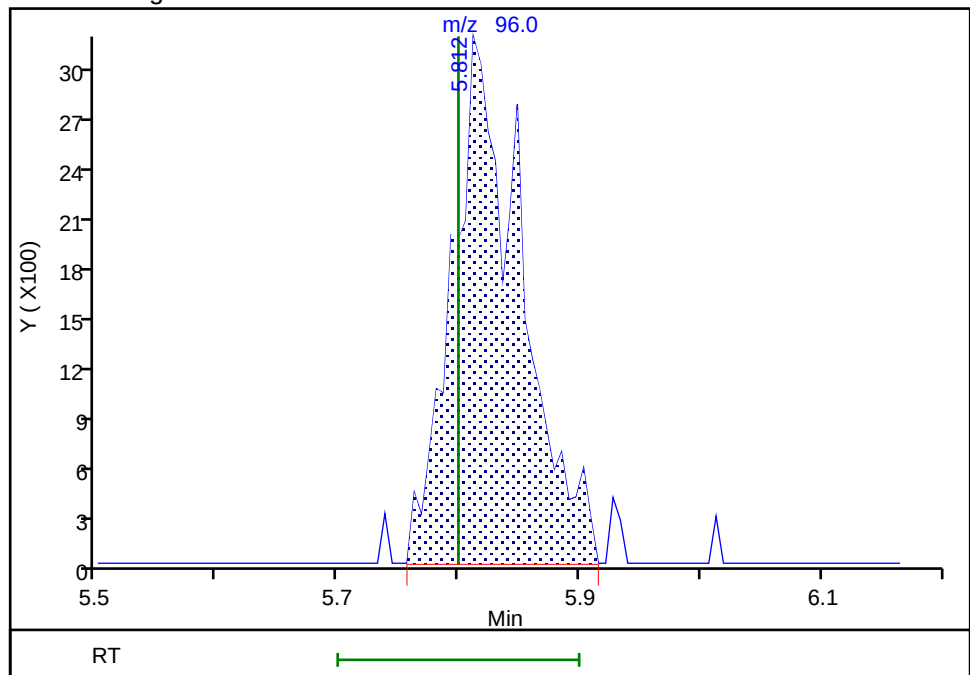
RT: 5.81
Area: 8159
Amount: 0.144377
Amount Units: ug/l

Processing Integration Results



RT: 5.81
Area: 12648
Amount: 0.223811
Amount Units: ug/l

Manual Integration Results



Reviewer: N9NA, 05-Dec-2024 07:26:15 07:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

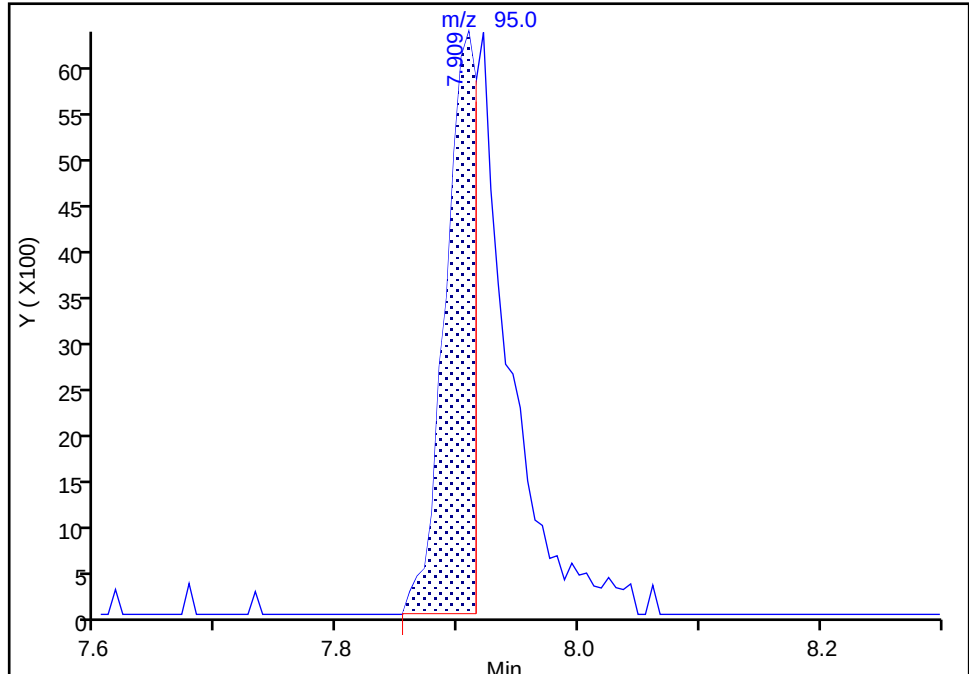
Data File: \\chromfs\Lancaster\ChromData\19094\20241204-132298.b\HD04X23.D
Injection Date: 04-Dec-2024 17:15:30 Instrument ID: 19094
Lims ID: 410-198585-A-2 Lab Sample ID: 410-198585-2
Client ID: HD-COD-SW-7-0/1-0
Operator ID: ecr105096 ALS Bottle#: 23 Worklist Smp#: 24
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

68 Trichloroethene, CAS: 79-01-6

Signal: 1

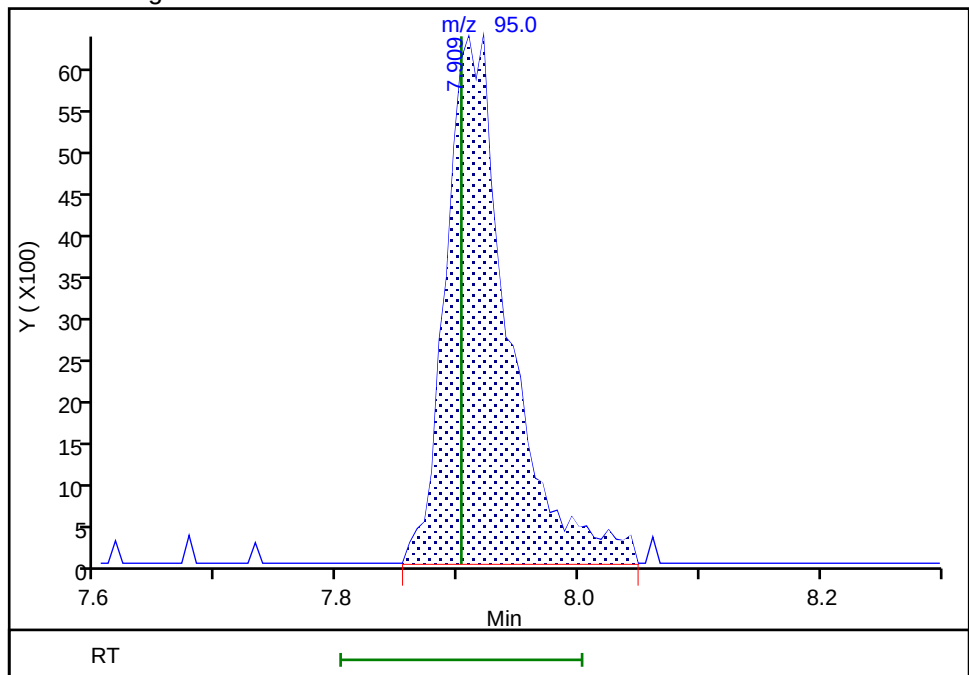
RT: 7.91
Area: 11663
Amount: 0.212559
Amount Units: ug/l

Processing Integration Results



RT: 7.91
Area: 22921
Amount: 0.417737
Amount Units: ug/l

Manual Integration Results



Reviewer: N9NA, 05-Dec-2024 07:26:47 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.: 410-198585-1

SDG No.:

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

Lab Sample ID: 410-198585-3

Matrix: Water

Lab File ID: HD04X24.D

Analysis Method: 8260D

Date Collected: 11/25/2024 09:27

Sample wt/vol: 25 (mL)

Date Analyzed: 12/04/2024 17:36

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 581872

Units: ug/L

Preparation Batch No.:

Instrument ID: 19094

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	0.14	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	15		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	0.14	J	1.0	0.10
56-23-5	Carbon tetrachloride	ND	^c cn	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	0.23	J	0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	1.7		0.50	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-198585-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: HD-COD-SW-8-0/1-0 Lab Sample ID: 410-198585-3

Matrix: Water Lab File ID: HD04X24.D

Analysis Method: 8260D Date Collected: 11/25/2024 09:27

Sample wt/vol: 25 (mL) Date Analyzed: 12/04/2024 17:36

Soil Aliquot Vol: _____ Dilution Factor: 1

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

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

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

Analysis Batch No.: 581872 Units: ug/L

Preparation Batch No.: _____ Instrument ID: 19094

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	0.41	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)	96		80-120
460-00-4	4-Bromofluorobenzene (Surr)	103		80-120
1868-53-7	Dibromofluoromethane (Surr)	106		80-120
2037-26-5	Toluene-d8 (Surr)	94		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20241204-132298.b\HD04X24.D
 Lims ID: 410-198585-A-3
 Client ID: HD-COD-SW-8-0/1-0
 Sample Type: Client
 Inject. Date: 04-Dec-2024 17:36:30 ALS Bottle#: 24 Worklist Smp#: 25
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0132298-025
 Operator ID: ecr105096 Instrument ID: 19094
 Method: \\chromfs\Lancaster\ChromData\19094\20241204-132298.b\MSV_19094_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 05-Dec-2024 07:31:33 Calib Date: 15-Oct-2024 00:00:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1661

First Level Reviewer: N9NA

Date: 05-Dec-2024 07:31:33

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50		2.038				ND	7
6 Vinyl chloride	62		2.148				ND	7
9 Bromomethane	94		2.459				ND	
10 Chloroethane	64		2.507				ND	
17 1,1-Dichloroethene	96		3.306				ND	
19 Acetone	43	3.385	3.336	0.049	95	106209	14.9	
23 Carbon disulfide	76	3.598	3.592	0.006	98	18030	0.1361	M
* 28 t-Butyl alcohol-d10 (IS)	65	3.903	3.903	0.000	97	127905	50.0	
27 Methylene Chloride	84		3.909				ND	
32 Methyl tert-butyl ether	73		4.281				ND	
33 trans-1,2-Dichloroethene	96		4.306				ND	7
36 1,1-Dichloroethane	63		4.964				ND	7
41 2-Butanone (MEK)	43		5.751				ND	
42 cis-1,2-Dichloroethene	96	5.818	5.799	0.019	82	13037	0.2292	
48 Chlorobromomethane	128		6.141				ND	
50 Chloroform	83	6.299	6.293	0.006	94	11512	0.1279	
\$ 52 Dibromofluoromethane (Surr)	113	6.506	6.506	0.000	93	594823	10.6	
53 1,1,1-Trichloroethane	97	6.519	6.519	0.000	36	10829	0.1414	
56 Carbon tetrachloride	117		6.738				ND	
\$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.964	6.958	0.006	46	109593	9.63	
59 Benzene	78	7.006	7.000	0.006	40	5550	0.0251	
60 1,2-Dichloroethane	62		7.067				ND	
* 64 Fluorobenzene (IS)	96	7.415	7.415	0.000	98	2398467	10.0	
68 Trichloroethene	95	7.915	7.903	0.012	96	22796	0.4128	M
70 1,2-Dichloropropane	63		8.238				ND	
76 Dichlorobromomethane	83		8.591				ND	7
80 cis-1,3-Dichloropropene	75		9.158				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.341				ND	7
\$ 83 Toluene-d8 (Surr)	98	9.481	9.482	-0.001	94	2541877	9.35	
84 Toluene	92	9.573	9.561	0.012	26	5091	0.0326	
85 trans-1,3-Dichloropropene	75		9.841				ND	
106 1,1,2-Trichloroethane	97		10.048				ND	7

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
107 Tetrachloroethene	166	10.140	10.140	0.000	98	116659	1.66	
109 2-Hexanone	43		10.274				ND	7
111 Chlorodibromomethane	129		10.439				ND	
112 Ethylene Dibromide	107		10.548				ND	
* 113 Chlorobenzene-d5 (IS)	117	10.993	10.993	0.000	87	1982562	10.0	
115 Chlorobenzene	112		11.018				ND	7
116 1,1,1,2-Tetrachloroethane	131		11.109				ND	
117 Ethylbenzene	91		11.109				ND	7
119 m-Xylene & p-Xylene	106		11.231				ND	7
S 118 Xylenes, Total	106		11.245				ND	7
120 o-Xylene	106		11.566				ND	7
121 Styrene	104		11.579				ND	
122 Bromoform	173		11.737				ND	
\$ 126 4-Bromofluorobenzene (Surr)	95	12.018	12.018	0.000	89	1003636	10.3	
127 1,1,2,2-Tetrachloroethane	83		12.121				ND	
* 141 1,4-Dichlorobenzene-d4	152	12.908	12.908	0.000	96	1098578	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

Reagents:

MSV_LLcentISS_00013

Amount Added: 5.00

Units: uL

Run Reagent

Data File: \\chromfs\Lancaster\ChromData\19094\20241204-132298.b\HD04X24.D

Injection Date: 04-Dec-2024 17:36:30

Instrument ID: 19094

Operator ID: ecr105096

Lims ID: 410-198585-A-3

Lab Sample ID: 410-198585-3

Worklist Smp#: 25

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

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

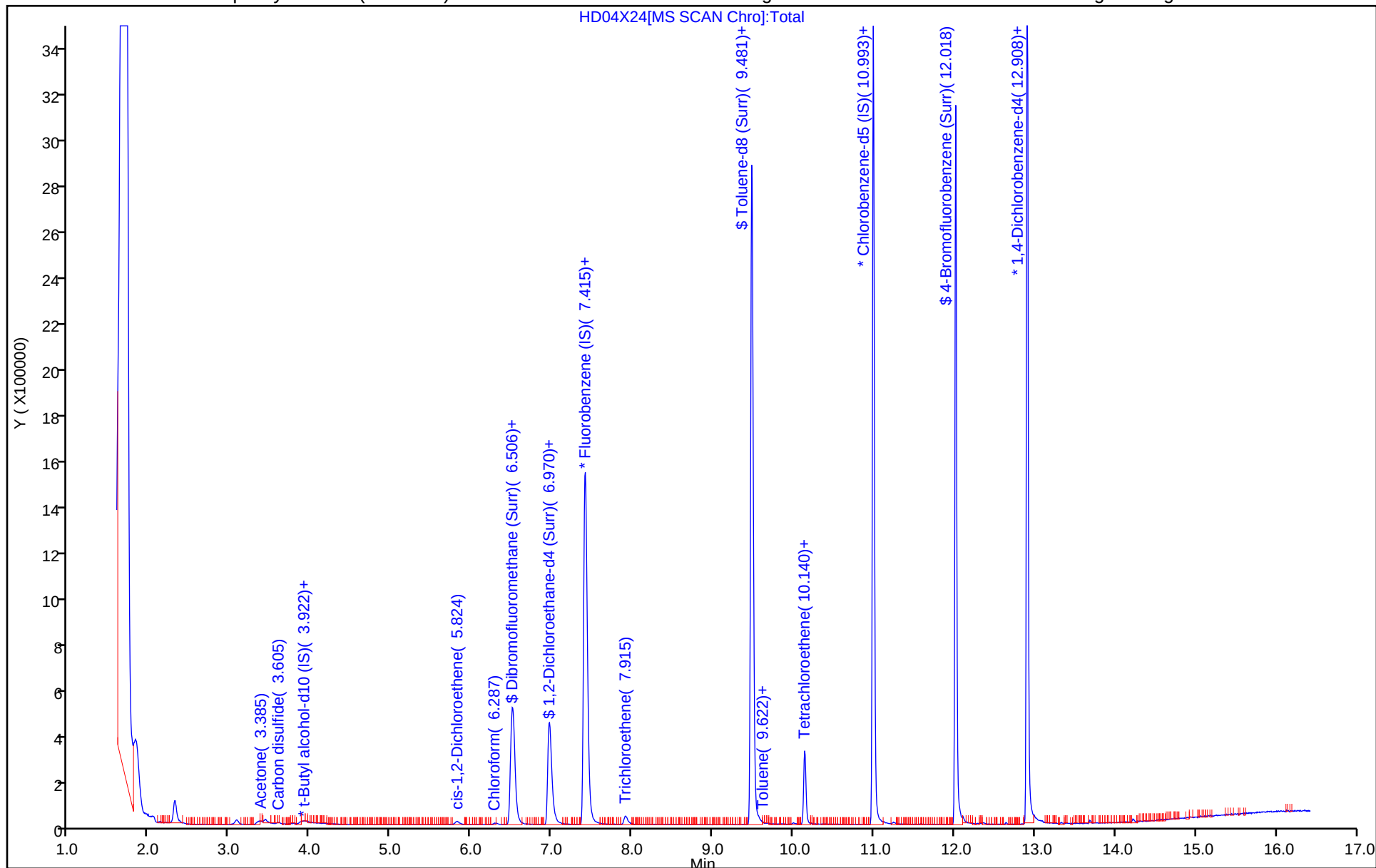
ALS Bottle#: 24

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\19094\20241204-132298.b\HD04X24.D
Lims ID: 410-198585-A-3
Client ID: HD-COD-SW-8-0/1-0
Sample Type: Client
Inject. Date: 04-Dec-2024 17:36:30 ALS Bottle#: 24 Worklist Smp#: 25
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0132298-025
Operator ID: ecr105096 Instrument ID: 19094
Method: \\chromfs\Lancaster\ChromData\19094\20241204-132298.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 05-Dec-2024 07:31:33 Calib Date: 15-Oct-2024 00:00:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X18.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1661

First Level Reviewer: N9NA

Date: 05-Dec-2024 07:31:33

Compound	Amount Added	Amount Recovered	% Rec.
\$ 52 Dibromofluoromethane (Surr)	10.0	10.6	106.31
\$ 58 1,2-Dichloroethane-d4 (Surr)	10.0	9.63	96.31
\$ 83 Toluene-d8 (Surr)	10.0	9.35	93.53
\$ 126 4-Bromofluorobenzene (Surr)	10.0	10.3	103.00

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20241204-132298.b\HD04X24.D

Injection Date: 04-Dec-2024 17:36:30

Instrument ID: 19094

Lims ID: 410-198585-A-3

Lab Sample ID: 410-198585-3

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

Operator ID: ecr105096

ALS Bottle#: 24

Worklist Smp#: 25

Purge Vol: 25.000 mL

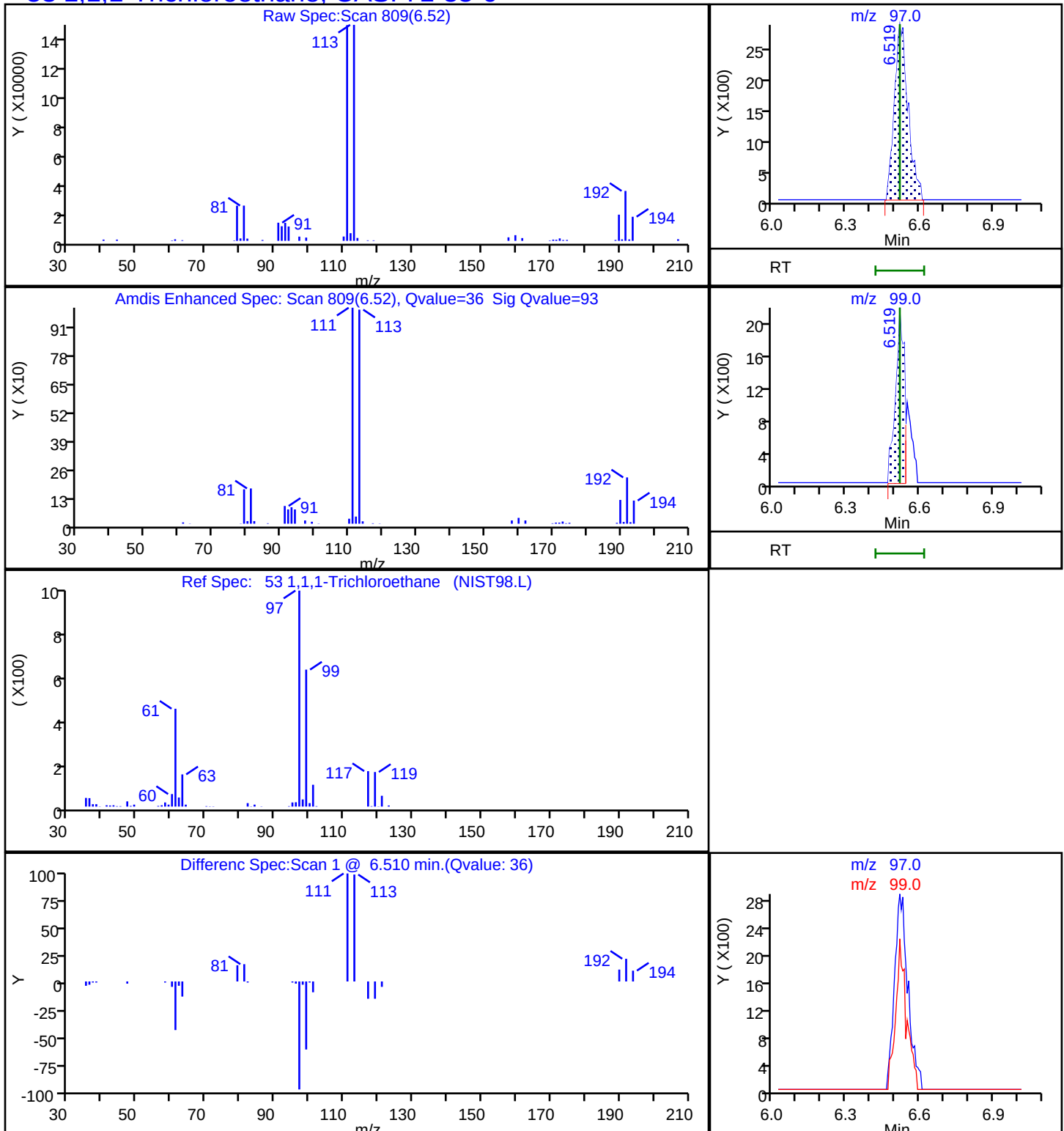
Dil. Factor: 1.0000

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

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

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20241204-132298.b\HD04X24.D

Injection Date: 04-Dec-2024 17:36:30

Instrument ID: 19094

Lims ID: 410-198585-A-3

Lab Sample ID: 410-198585-3

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

Operator ID: ecr105096

ALS Bottle#: 24

Worklist Smp#: 25

Purge Vol: 25.000 mL

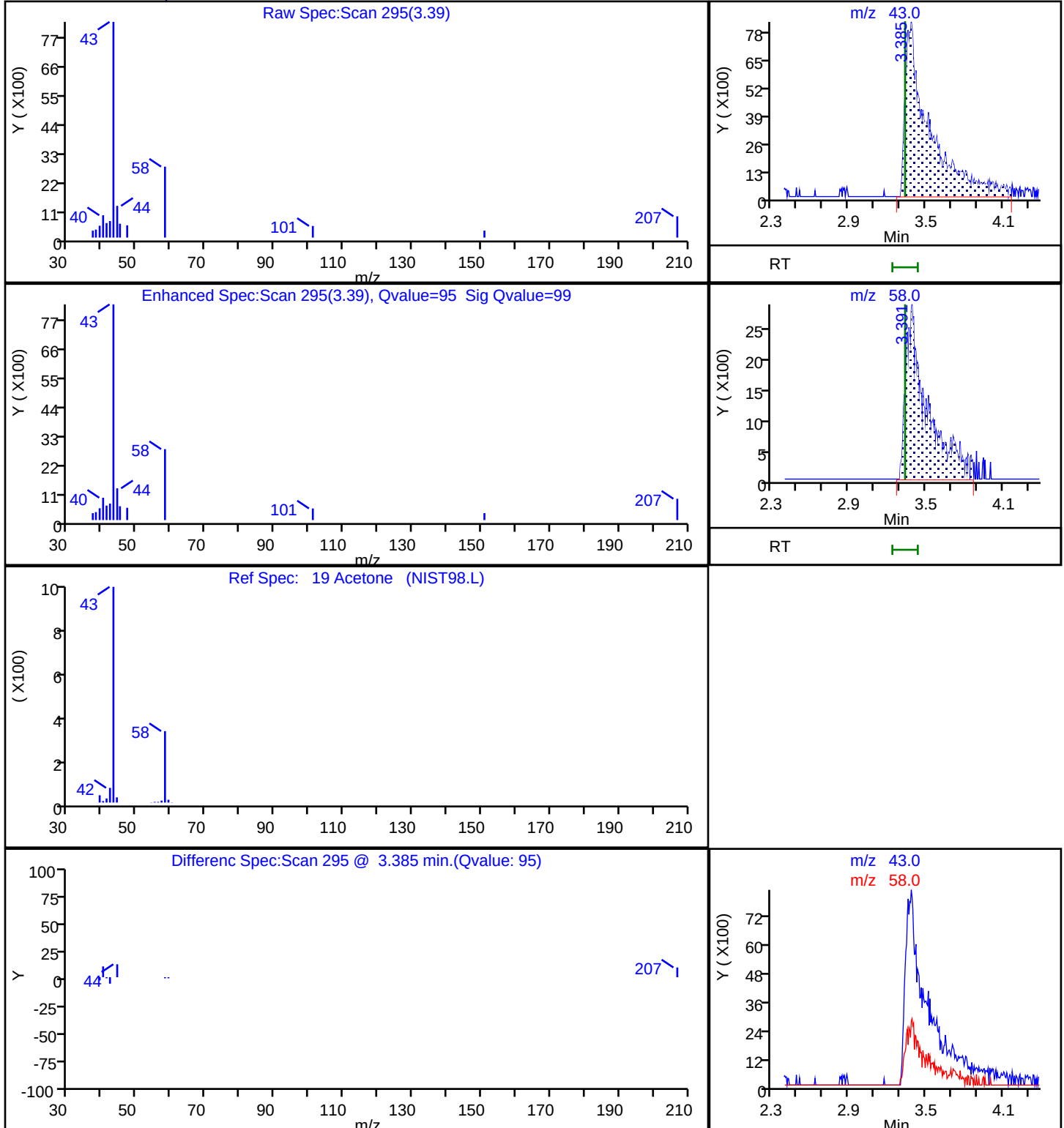
Dil. Factor: 1.0000

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID) x 150m

MS Quad

19 Acetone, CAS: 67-64-1

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20241204-132298.b\HD04X24.D

Injection Date: 04-Dec-2024 17:36:30

Instrument ID: 19094

Lims ID: 410-198585-A-3

Lab Sample ID: 410-198585-3

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

Operator ID: ecr105096

ALS Bottle#: 24

Worklist Smp#: 25

Purge Vol: 25.000 mL

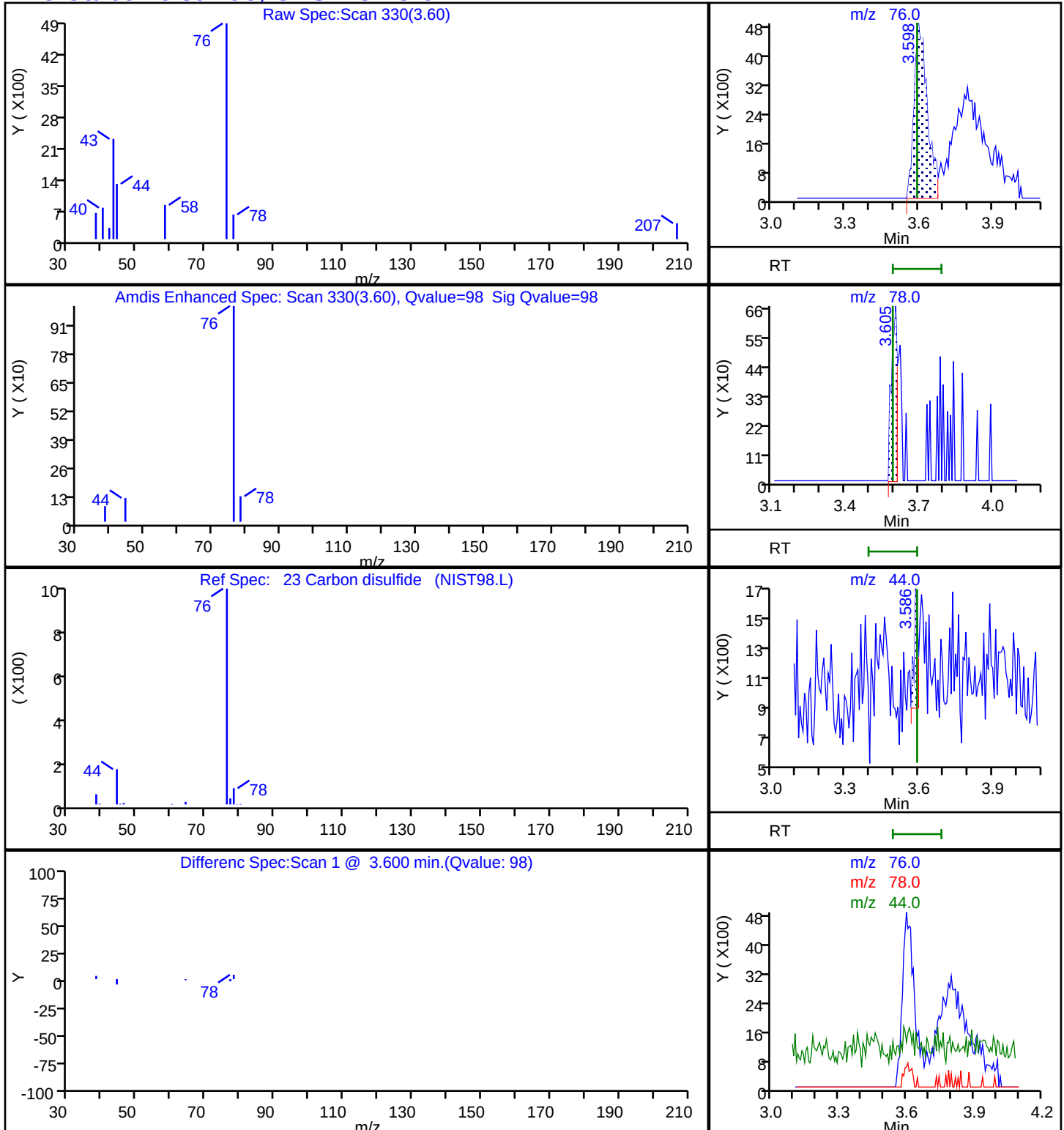
Dil. Factor: 1.0000

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

23 Carbon disulfide, CAS: 75-15-0

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20241204-132298.b\HD04X24.D

Injection Date: 04-Dec-2024 17:36:30

Instrument ID: 19094

Lims ID: 410-198585-A-3

Lab Sample ID: 410-198585-3

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

Operator ID: ecr105096

ALS Bottle#: 24

Worklist Smp#: 25

Purge Vol: 25.000 mL

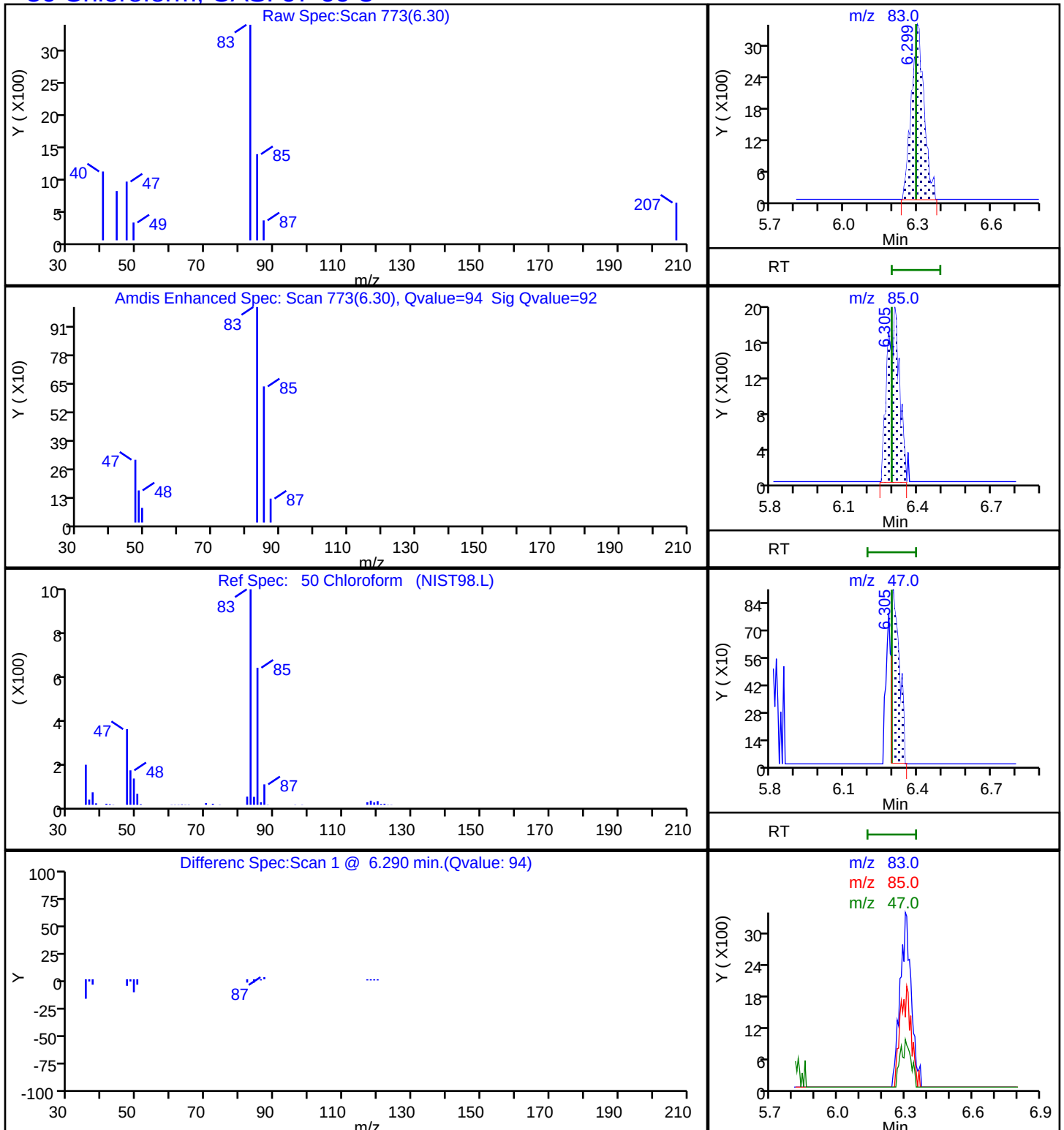
Dil. Factor: 1.0000

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID) x 150m

MS Quad

50 Chloroform, CAS: 67-66-3

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20241204-132298.b\HD04X24.D

Injection Date: 04-Dec-2024 17:36:30

Instrument ID: 19094

Lims ID: 410-198585-A-3

Lab Sample ID: 410-198585-3

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

Operator ID: ecr105096

ALS Bottle#: 24

Worklist Smp#: 25

Purge Vol: 25.000 mL

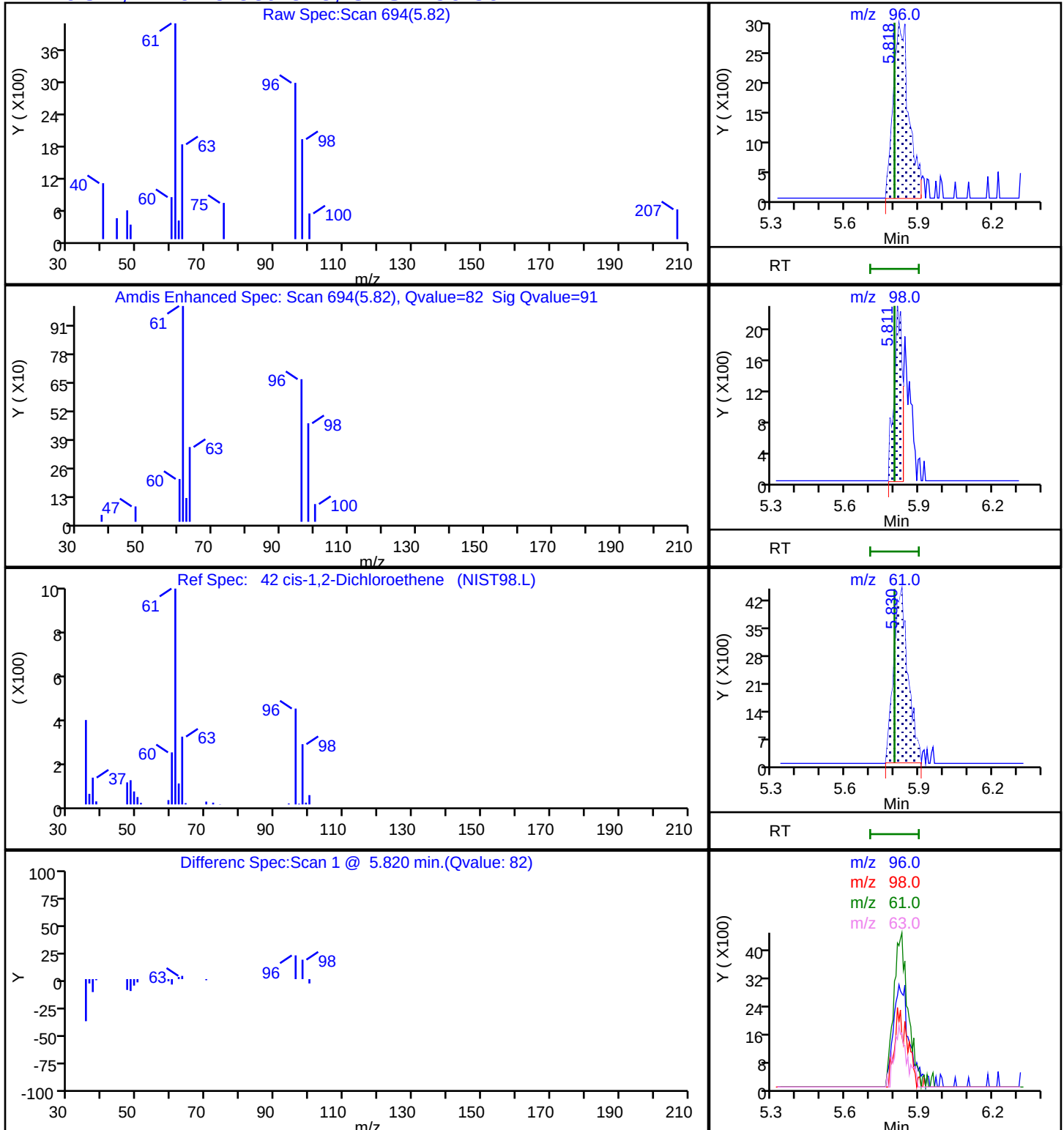
Dil. Factor: 1.0000

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

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

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20241204-132298.b\HD04X24.D

Injection Date: 04-Dec-2024 17:36:30

Instrument ID: 19094

Lims ID: 410-198585-A-3

Lab Sample ID: 410-198585-3

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

Operator ID: ecr105096

ALS Bottle#: 24

Worklist Smp#: 25

Purge Vol: 25.000 mL

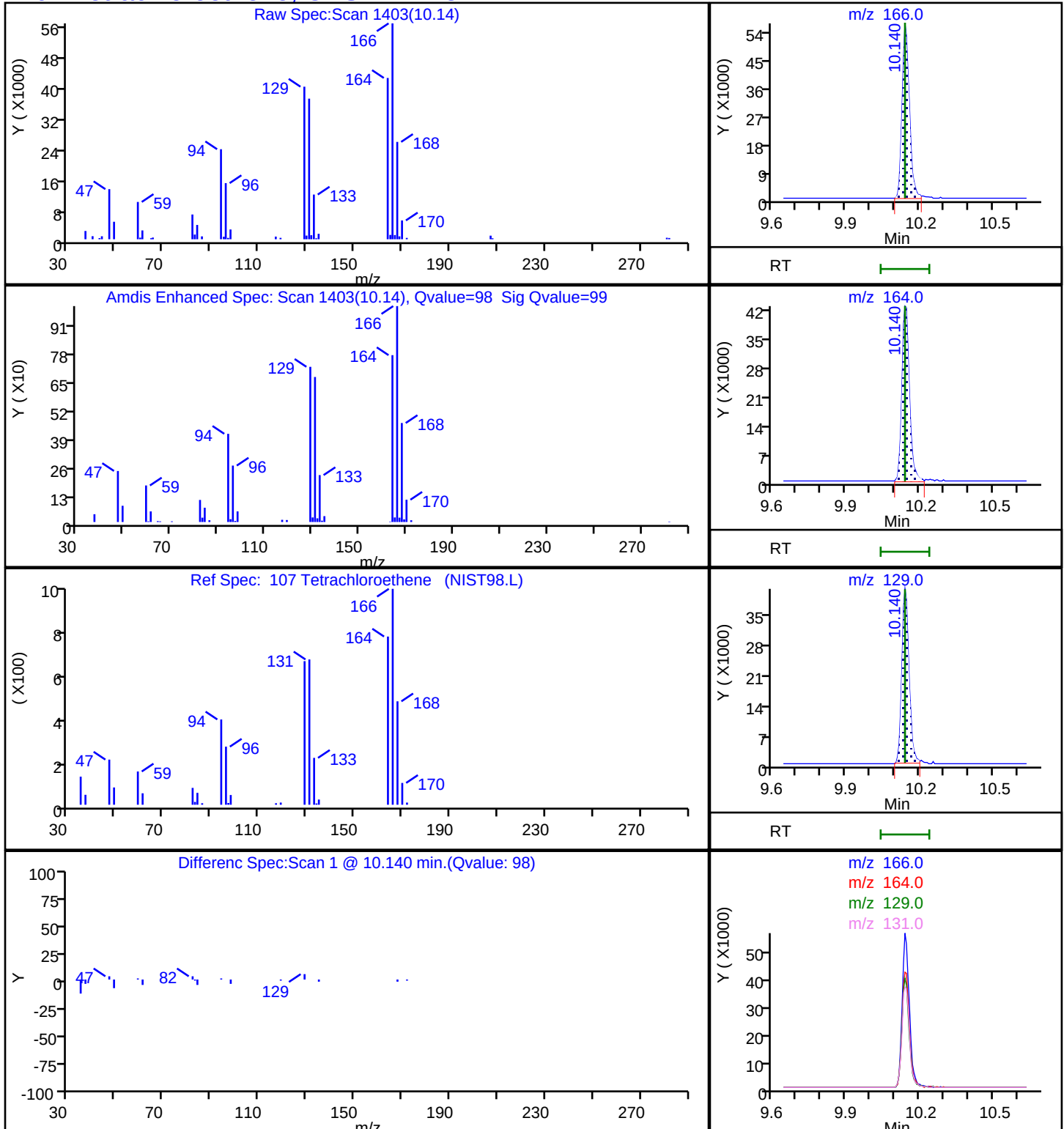
Dil. Factor: 1.0000

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID) x 30m

MS Quad

107 Tetrachloroethene, CAS: 127-18-4

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20241204-132298.b\HD04X24.D

Injection Date: 04-Dec-2024 17:36:30

Instrument ID: 19094

Lims ID: 410-198585-A-3

Lab Sample ID: 410-198585-3

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

Operator ID: ecr105096

ALS Bottle#: 24

Worklist Smp#: 25

Purge Vol: 25.000 mL

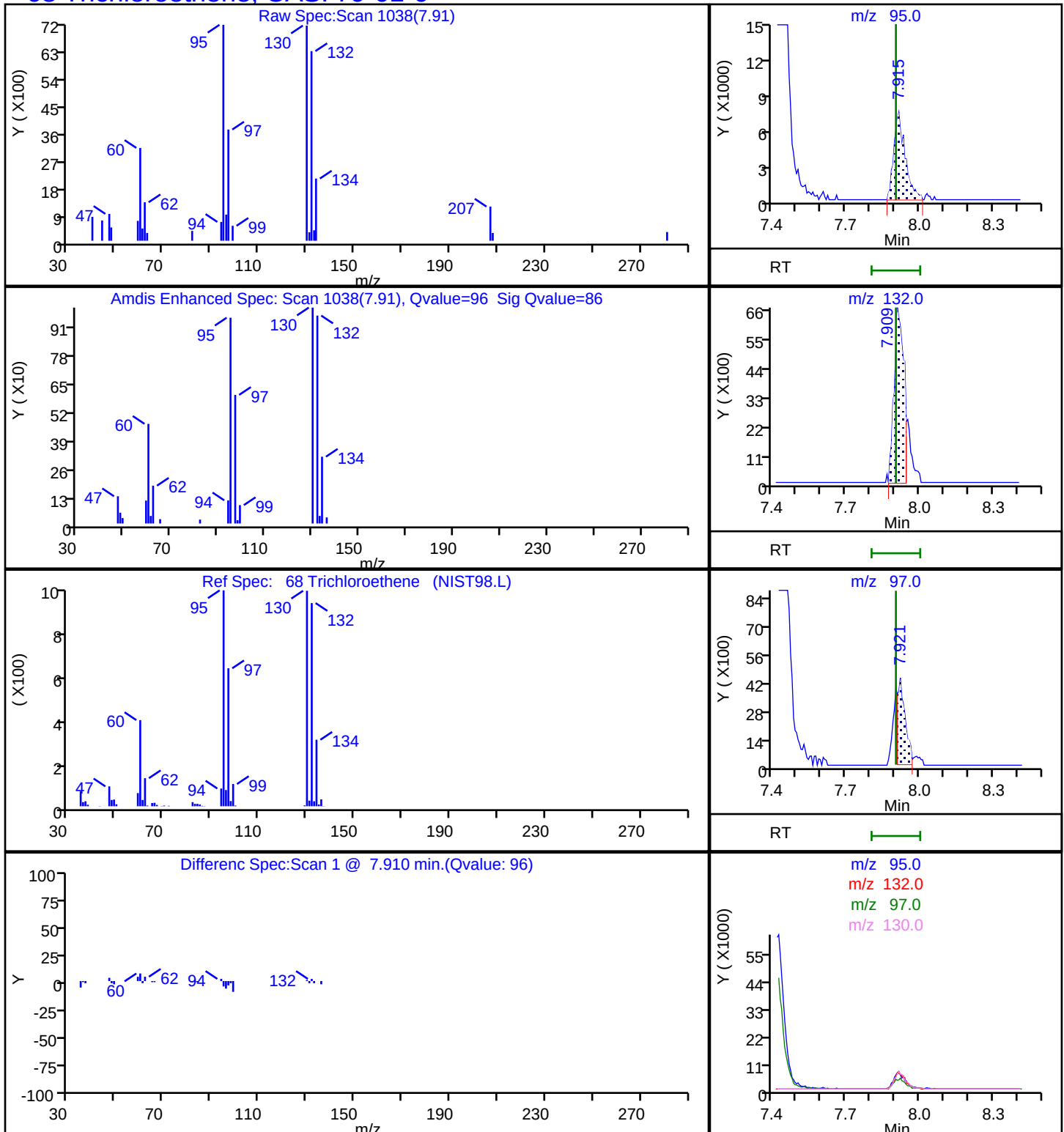
Dil. Factor: 1.0000

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID) x 30m

MS Quad

68 Trichloroethene, CAS: 79-01-6

Eurofins Lancaster Laboratories Environment Testing, LLC

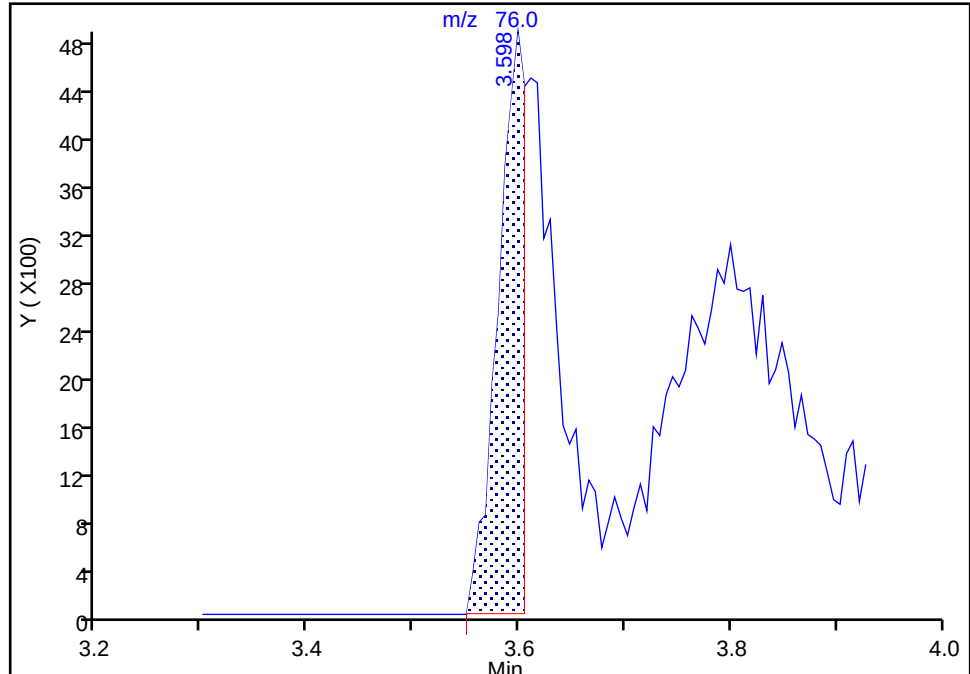
Data File: \\chromfs\Lancaster\ChromData\19094\20241204-132298.b\HD04X24.D
Injection Date: 04-Dec-2024 17:36:30 Instrument ID: 19094
Lims ID: 410-198585-A-3 Lab Sample ID: 410-198585-3
Client ID: HD-COD-SW-8-0/1-0
Operator ID: ecr105096 ALS Bottle#: 24 Worklist Smp#: 25
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

23 Carbon disulfide, CAS: 75-15-0

Signal: 1

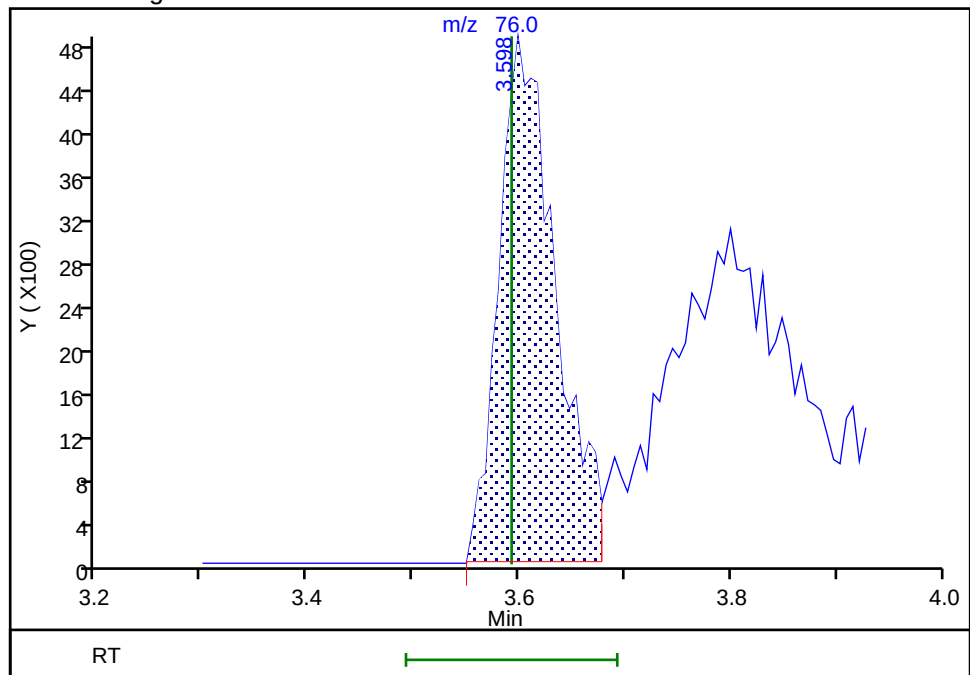
RT: 3.60
Area: 8646
Amount: 0.065244
Amount Units: ug/l

Processing Integration Results



RT: 3.60
Area: 18030
Amount: 0.136056
Amount Units: ug/l

Manual Integration Results



Reviewer: N9NA, 05-Dec-2024 07:29:26 07:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

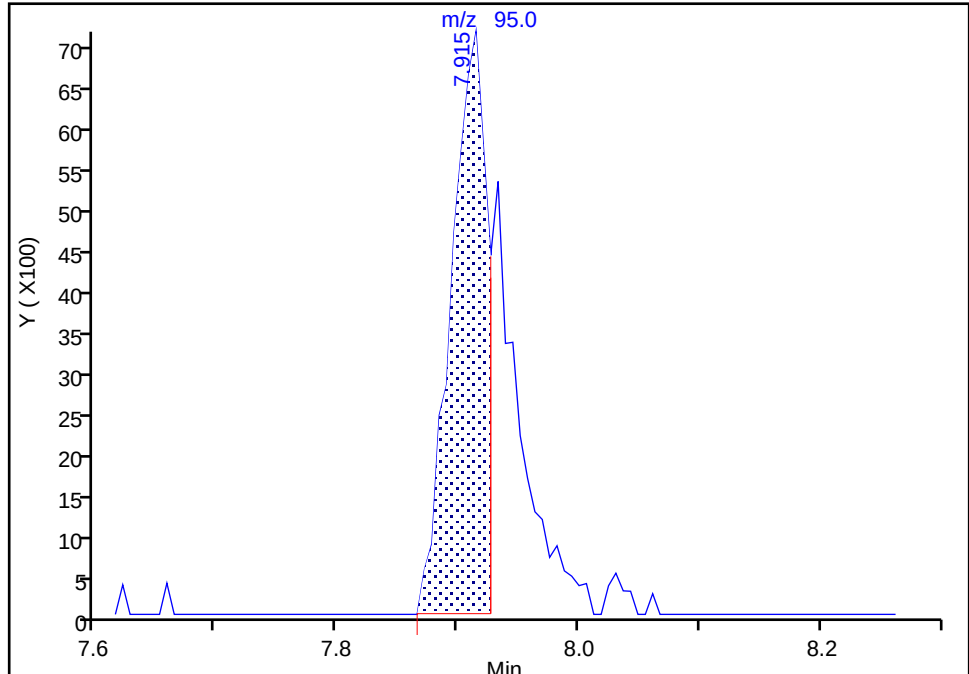
Data File: \\chromfs\Lancaster\ChromData\19094\20241204-132298.b\HD04X24.D
Injection Date: 04-Dec-2024 17:36:30 Instrument ID: 19094
Lims ID: 410-198585-A-3 Lab Sample ID: 410-198585-3
Client ID: HD-COD-SW-8-0/1-0
Operator ID: ecr105096 ALS Bottle#: 24 Worklist Smp#: 25
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

68 Trichloroethene, CAS: 79-01-6

Signal: 1

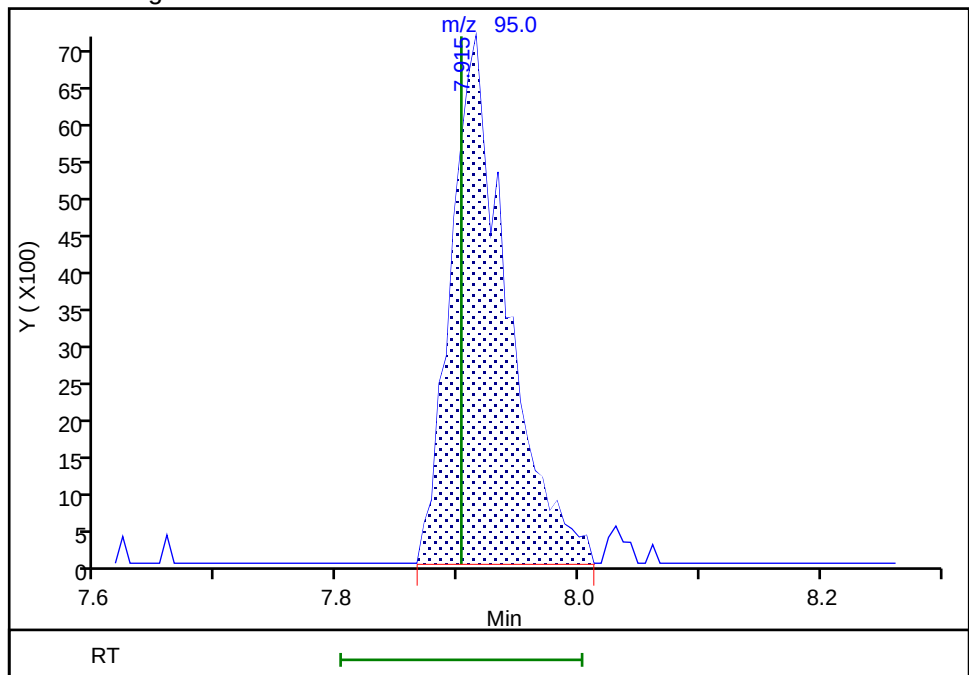
RT: 7.91
Area: 14953
Amount: 0.270743
Amount Units: ug/l

Processing Integration Results



RT: 7.91
Area: 22796
Amount: 0.412750
Amount Units: ug/l

Manual Integration Results



Reviewer: N9NA, 05-Dec-2024 07:30:32 07:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-198585-1

SDG No.:

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

Lab Sample ID: 410-198585-4

Matrix: Water

Lab File ID: HD04X25.D

Analysis Method: 8260D

Date Collected: 11/25/2024 12:29

Sample wt/vol: 25 (mL)

Date Analyzed: 12/04/2024 17:57

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 581872

Units: ug/L

Preparation Batch No.:

Instrument ID: 19094

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	7.8		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	0.11	J	1.0	0.10
56-23-5	Carbon tetrachloride	ND	^c cn	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	0.14	J	0.50	0.090
74-87-3	Chloromethane	ND		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	0.17	J	0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
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 Job No.: 410-198585-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: HD-COD-SW-9-0/1-0 Lab Sample ID: 410-198585-4

Matrix: Water Lab File ID: HD04X25.D

Analysis Method: 8260D Date Collected: 11/25/2024 12:29

Sample wt/vol: 25 (mL) Date Analyzed: 12/04/2024 17:57

Soil Aliquot Vol: _____ Dilution Factor: 1

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

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

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

Analysis Batch No.: 581872 Units: ug/L

Preparation Batch No.: _____ Instrument ID: 19094

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	0.24	J	0.50	0.080
75-01-4	Vinyl chloride	ND		0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		80-120
460-00-4	4-Bromofluorobenzene (Surr)	102		80-120
1868-53-7	Dibromofluoromethane (Surr)	108		80-120
2037-26-5	Toluene-d8 (Surr)	94		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20241204-132298.b\HD04X25.D
 Lims ID: 410-198585-A-4
 Client ID: HD-COD-SW-9-0/1-0
 Sample Type: Client
 Inject. Date: 04-Dec-2024 17:57:30 ALS Bottle#: 25 Worklist Smp#: 26
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0132298-026
 Operator ID: ecr105096 Instrument ID: 19094
 Method: \\chromfs\Lancaster\ChromData\19094\20241204-132298.b\MSV_19094_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 05-Dec-2024 07:33:55 Calib Date: 15-Oct-2024 00:00:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1661

First Level Reviewer: N9NA

Date: 05-Dec-2024 07:33:55

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50		2.038				ND	7
6 Vinyl chloride	62		2.148				ND	7
9 Bromomethane	94		2.459				ND	
10 Chloroethane	64		2.507				ND	
17 1,1-Dichloroethene	96		3.306				ND	
19 Acetone	43	3.379	3.336	0.043	98	58265	7.82	
23 Carbon disulfide	76	3.605	3.592	0.013	98	14869	0.1144	
* 28 t-Butyl alcohol-d10 (IS)	65	3.934	3.903	0.031	97	133804	50.0	
27 Methylene Chloride	84		3.909				ND	7
32 Methyl tert-butyl ether	73		4.281				ND	
33 trans-1,2-Dichloroethene	96		4.306				ND	
36 1,1-Dichloroethane	63		4.964				ND	7
41 2-Butanone (MEK)	43		5.751				ND	7
42 cis-1,2-Dichloroethene	96	5.806	5.799	0.007	78	9570	0.1715	
48 Chlorobromomethane	128		6.141				ND	
50 Chloroform	83	6.299	6.293	0.006	93	12565	0.1423	
\$ 52 Dibromofluoromethane (Surr)	113	6.507	6.506	0.001	93	594014	10.8	
53 1,1,1-Trichloroethane	97		6.519				ND	7
56 Carbon tetrachloride	117		6.738				ND	
\$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.970	6.958	0.012	46	115040	10.3	
59 Benzene	78		7.000				ND	7
60 1,2-Dichloroethane	62		7.067				ND	
* 64 Fluorobenzene (IS)	96	7.409	7.415	-0.006	98	2353285	10.0	
68 Trichloroethene	95	7.927	7.903	0.024	95	13133	0.2424	M
70 1,2-Dichloropropane	63		8.238				ND	
76 Dichlorobromomethane	83		8.591				ND	7
80 cis-1,3-Dichloropropene	75		9.158				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.341				ND	7
\$ 83 Toluene-d8 (Surr)	98	9.482	9.482	0.000	94	2553454	9.41	
84 Toluene	92	9.573	9.561	0.012	97	6994	0.0449	
85 trans-1,3-Dichloropropene	75		9.841				ND	
106 1,1,2-Trichloroethane	97		10.048				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
107 Tetrachloroethene	166	10.140	10.140	0.000	96	17295	0.2459	
109 2-Hexanone	43		10.274				ND	7
111 Chlorodibromomethane	129		10.439				ND	
112 Ethylene Dibromide	107		10.548				ND	
* 113 Chlorobenzene-d5 (IS)	117	10.994	10.993	0.001	87	1978583	10.0	
115 Chlorobenzene	112		11.018				ND	7
116 1,1,1,2-Tetrachloroethane	131		11.109				ND	
117 Ethylbenzene	91		11.109				ND	7
119 m-Xylene & p-Xylene	106		11.231				ND	7
S 118 Xylenes, Total	106		11.245				ND	7
120 o-Xylene	106		11.566				ND	7
121 Styrene	104		11.579				ND	7
122 Bromoform	173		11.737				ND	
\$ 126 4-Bromofluorobenzene (Surr)	95	12.018	12.018	0.000	89	994818	10.2	
127 1,1,2,2-Tetrachloroethane	83		12.121				ND	
* 141 1,4-Dichlorobenzene-d4	152	12.908	12.908	0.000	96	1090648	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

Reagents:

MSV_LLcentISS_00013

Amount Added: 5.00

Units: uL

Run Reagent

Data File: \\chromfs\Lancaster\ChromData\19094\20241204-132298.b\HD04X25.D

Injection Date: 04-Dec-2024 17:57:30

Instrument ID: 19094

Operator ID: ecr105096

Lims ID: 410-198585-A-4

Lab Sample ID: 410-198585-4

Worklist Smp#: 26

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

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

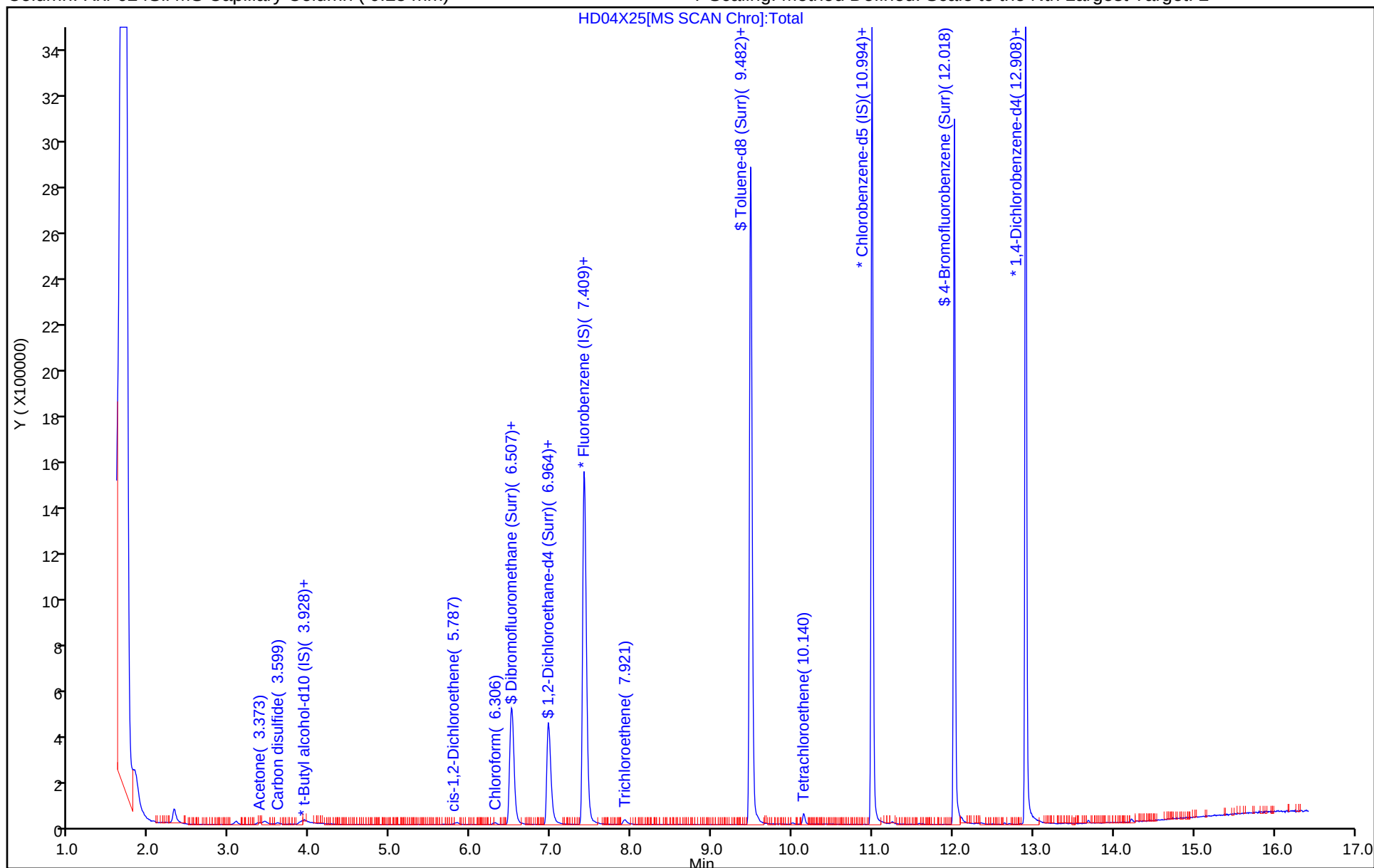
ALS Bottle#: 25

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\19094\20241204-132298.b\HD04X25.D
Lims ID: 410-198585-A-4
Client ID: HD-COD-SW-9-0/1-0
Sample Type: Client
Inject. Date: 04-Dec-2024 17:57:30 ALS Bottle#: 25 Worklist Smp#: 26
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0132298-026
Operator ID: ecr105096 Instrument ID: 19094
Method: \\chromfs\Lancaster\ChromData\19094\20241204-132298.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 05-Dec-2024 07:33:55 Calib Date: 15-Oct-2024 00:00:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X18.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1661

First Level Reviewer: N9NA

Date: 05-Dec-2024 07:33:55

Compound	Amount Added	Amount Recovered	% Rec.
\$ 52 Dibromofluoromethane (Surr)	10.0	10.8	108.20
\$ 58 1,2-Dichloroethane-d4 (Surr)	10.0	10.3	103.03
\$ 83 Toluene-d8 (Surr)	10.0	9.41	94.15
\$ 126 4-Bromofluorobenzene (Surr)	10.0	10.2	102.30

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20241204-132298.b\HD04X25.D

Injection Date: 04-Dec-2024 17:57:30

Instrument ID: 19094

Lims ID: 410-198585-A-4

Lab Sample ID: 410-198585-4

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

Operator ID: ecr105096

ALS Bottle#: 25

Worklist Smp#: 26

Purge Vol: 25.000 mL

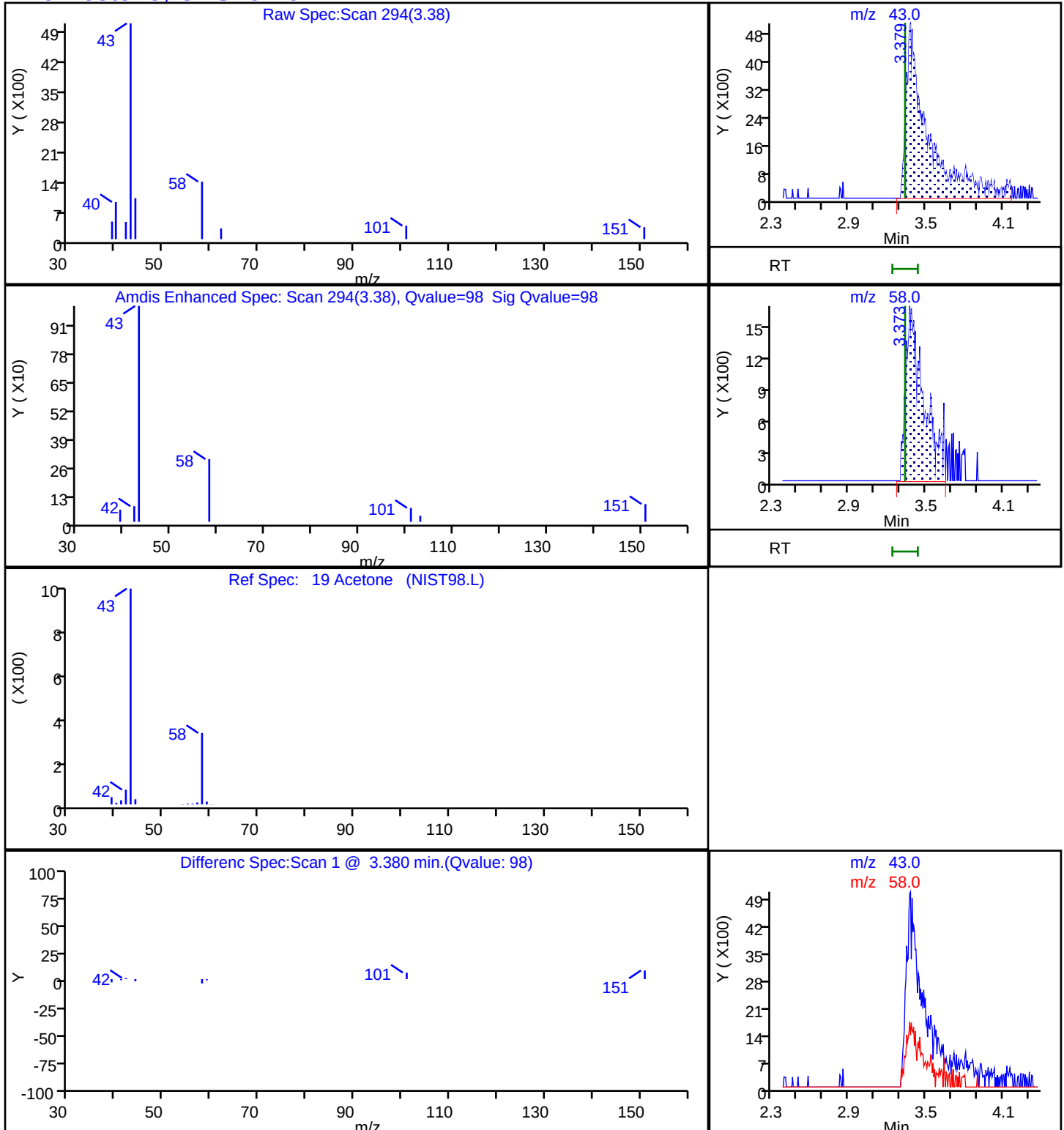
Dil. Factor: 1.0000

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID) x 150m

MS Quad

19 Acetone, CAS: 67-64-1

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20241204-132298.b\HD04X25.D

Injection Date: 04-Dec-2024 17:57:30

Instrument ID: 19094

Lims ID: 410-198585-A-4

Lab Sample ID: 410-198585-4

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

Operator ID: ecr105096

ALS Bottle#: 25

Worklist Smp#: 26

Purge Vol: 25.000 mL

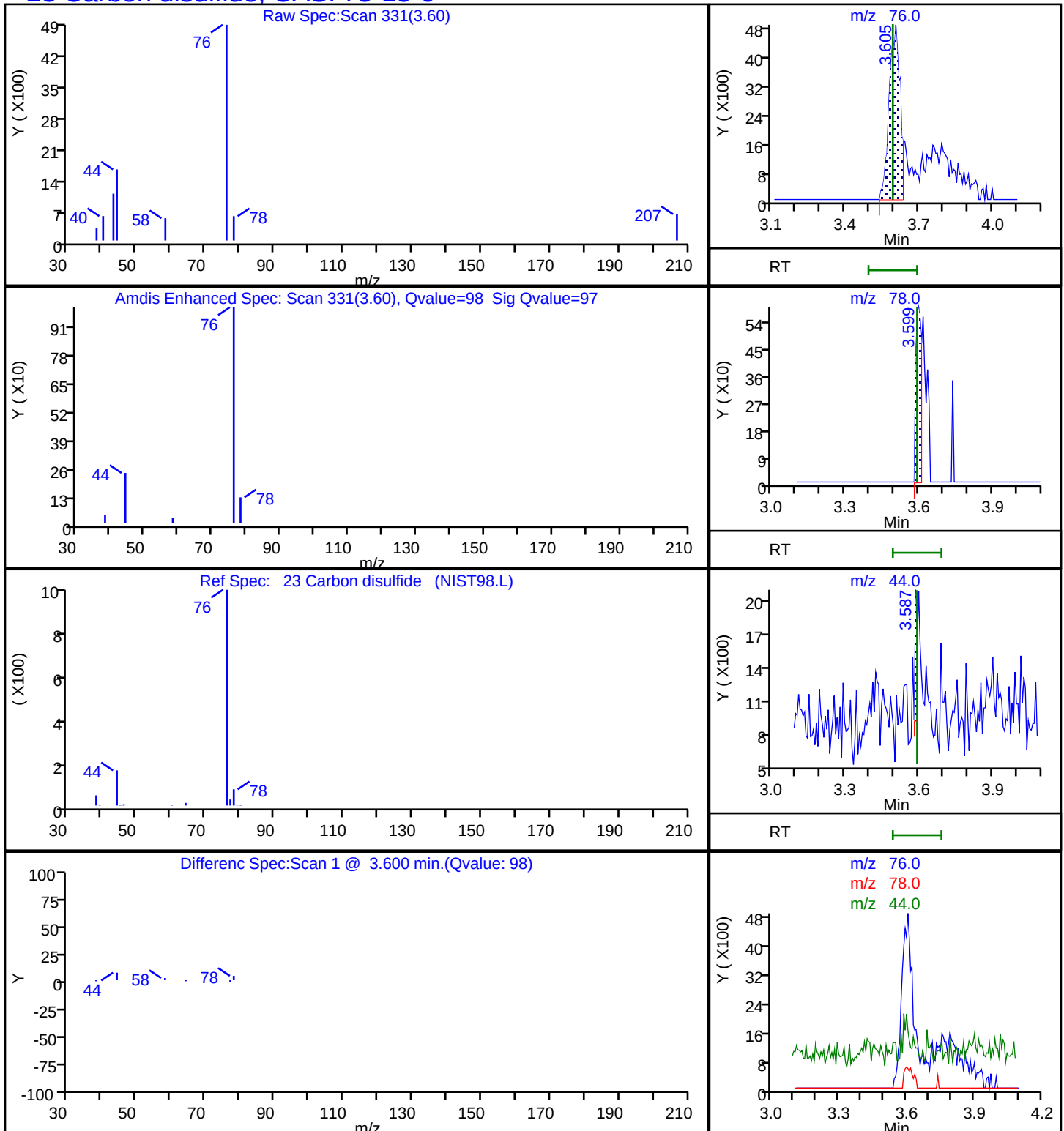
Dil. Factor: 1.0000

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

23 Carbon disulfide, CAS: 75-15-0

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20241204-132298.b\HD04X25.D

Injection Date: 04-Dec-2024 17:57:30

Instrument ID: 19094

Lims ID: 410-198585-A-4

Lab Sample ID: 410-198585-4

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

Operator ID: ecr105096

ALS Bottle#: 25

Worklist Smp#: 26

Purge Vol: 25.000 mL

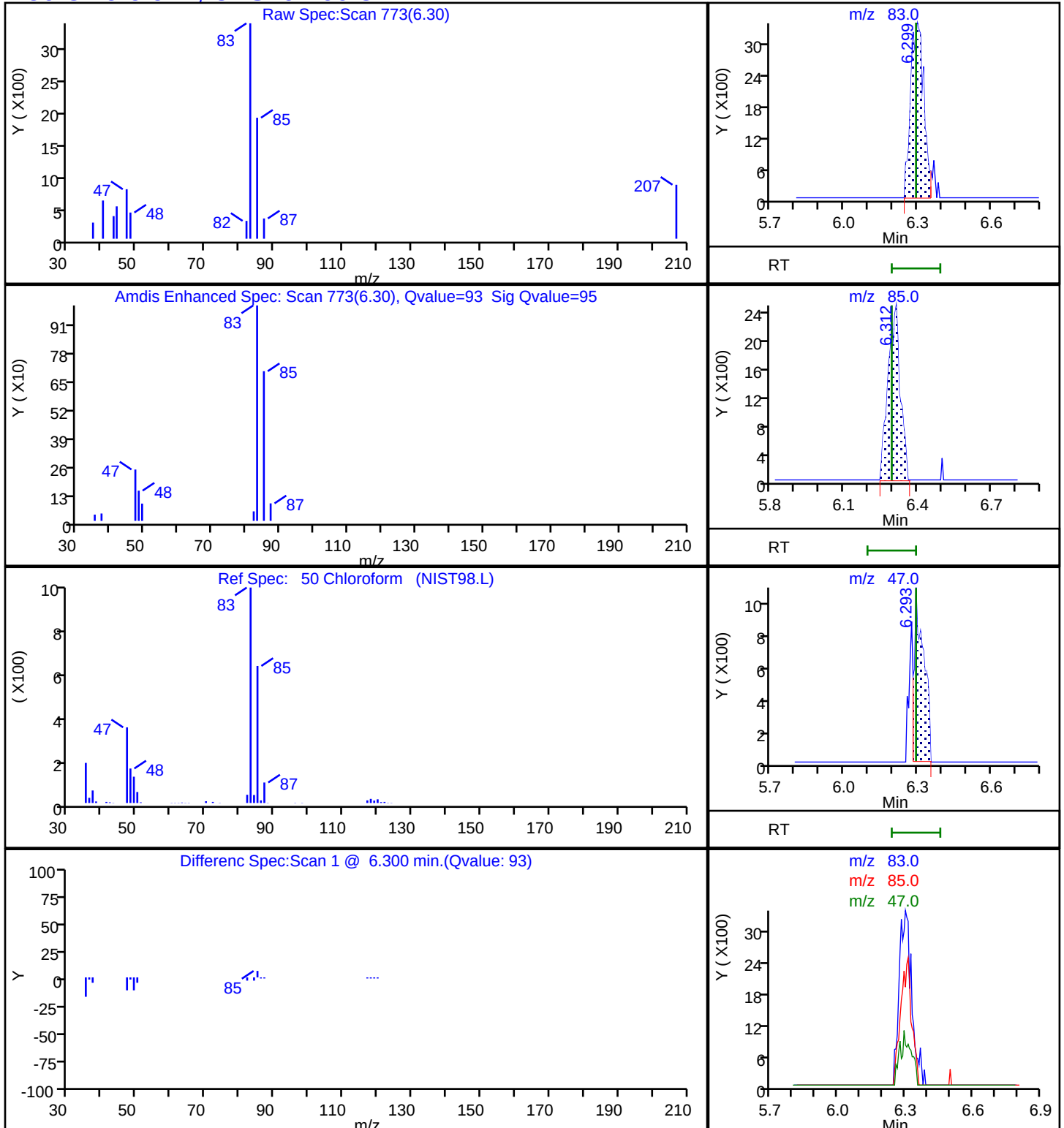
Dil. Factor: 1.0000

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID) x 30m

MS Quad

50 Chloroform, CAS: 67-66-3

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20241204-132298.b\HD04X25.D

Injection Date: 04-Dec-2024 17:57:30

Instrument ID: 19094

Lims ID: 410-198585-A-4

Lab Sample ID: 410-198585-4

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

Operator ID: ecr105096

ALS Bottle#: 25

Worklist Smp#: 26

Purge Vol: 25.000 mL

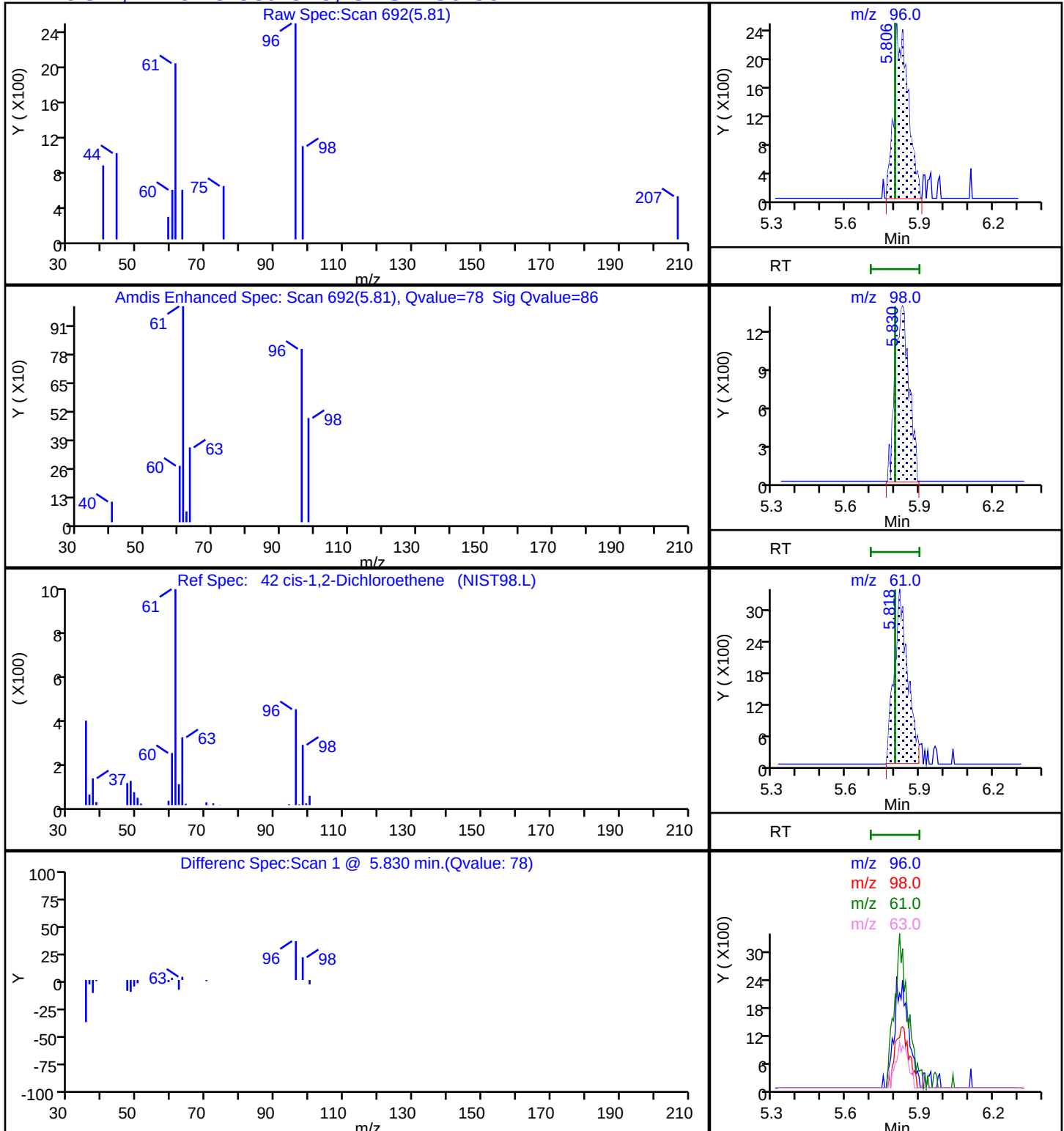
Dil. Factor: 1.0000

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

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

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20241204-132298.b\HD04X25.D

Injection Date: 04-Dec-2024 17:57:30

Instrument ID: 19094

Lims ID: 410-198585-A-4

Lab Sample ID: 410-198585-4

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

Operator ID: ecr105096

ALS Bottle#: 25

Worklist Smp#: 26

Purge Vol: 25.000 mL

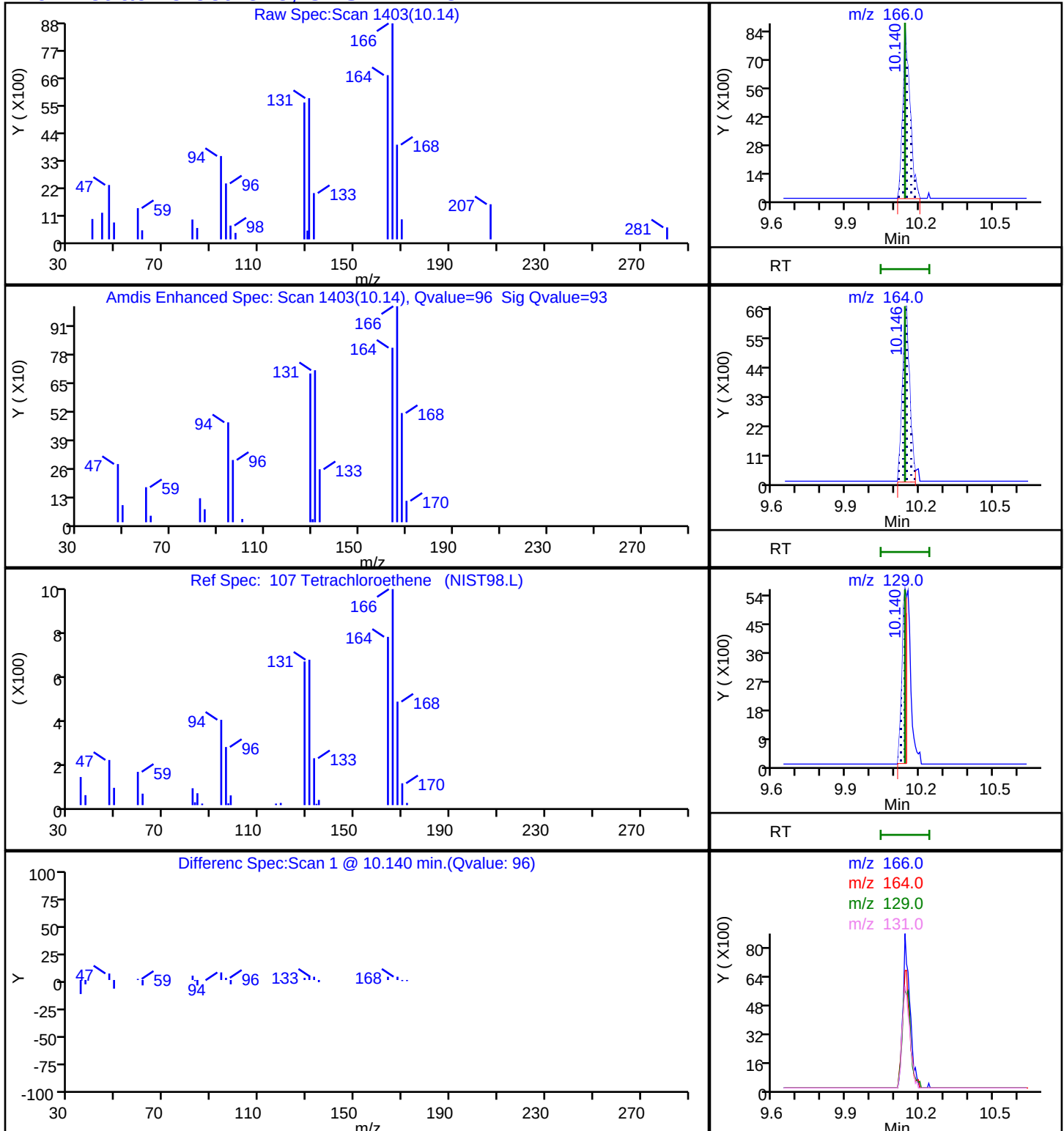
Dil. Factor: 1.0000

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

107 Tetrachloroethene, CAS: 127-18-4

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20241204-132298.b\HD04X25.D

Injection Date: 04-Dec-2024 17:57:30

Instrument ID: 19094

Lims ID: 410-198585-A-4

Lab Sample ID: 410-198585-4

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

Operator ID: ecr105096

ALS Bottle#: 25

Worklist Smp#: 26

Purge Vol: 25.000 mL

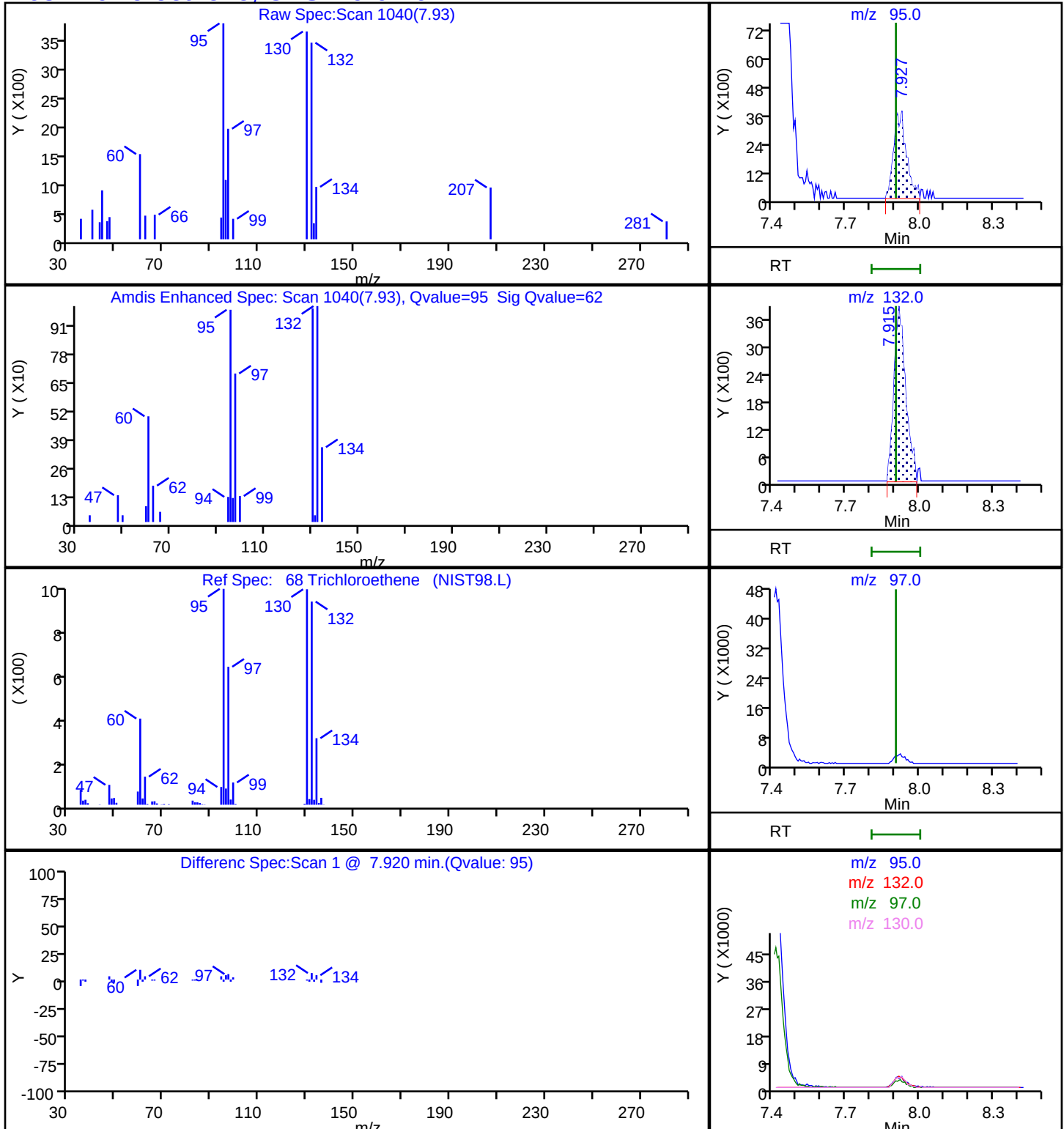
Dil. Factor: 1.0000

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

68 Trichloroethene, CAS: 79-01-6

Eurofins Lancaster Laboratories Environment Testing, LLC

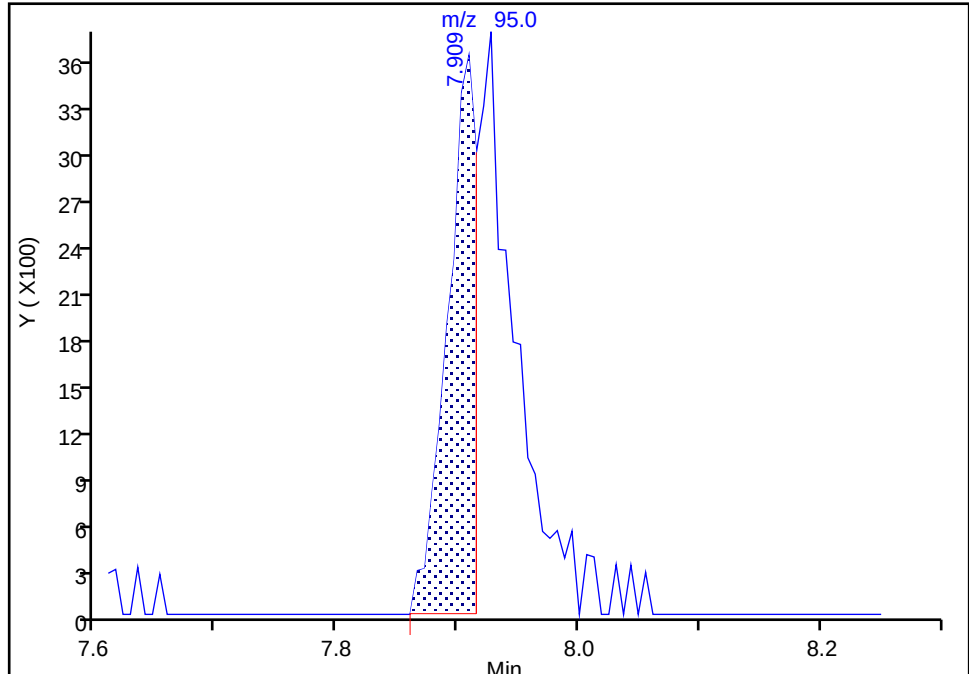
Data File: \\chromfs\Lancaster\ChromData\19094\20241204-132298.b\HD04X25.D
Injection Date: 04-Dec-2024 17:57:30 Instrument ID: 19094
Lims ID: 410-198585-A-4 Lab Sample ID: 410-198585-4
Client ID: HD-COD-SW-9-0/1-0
Operator ID: ecr105096 ALS Bottle#: 25 Worklist Smp#: 26
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

68 Trichloroethene, CAS: 79-01-6

Signal: 1

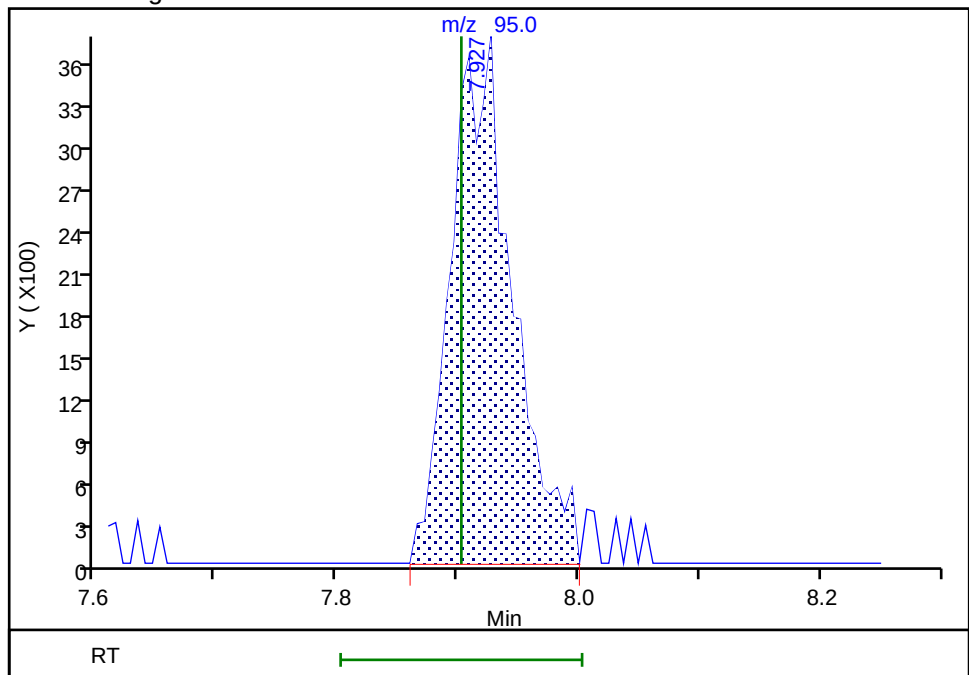
RT: 7.91
Area: 6039
Amount: 0.111443
Amount Units: ug/l

Processing Integration Results



RT: 7.93
Area: 13133
Amount: 0.242355
Amount Units: ug/l

Manual Integration Results



Reviewer: N9NA, 05-Dec-2024 07:32:18 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.: 410-198585-1

SDG No.:

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

Lab Sample ID: 410-198585-5

Matrix: Water

Lab File ID: HD04X26.D

Analysis Method: 8260D

Date Collected: 11/25/2024 09:40

Sample wt/vol: 25 (mL)

Date Analyzed: 12/04/2024 18:18

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 581872

Units: ug/L

Preparation Batch No.:

Instrument ID: 19094

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	0.17	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	13		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	0.14	J	1.0	0.10
56-23-5	Carbon tetrachloride	ND	^c cn	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	0.28	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.: 410-198585-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: HD-COD-SW-13-0/1-0 Lab Sample ID: 410-198585-5

Matrix: Water Lab File ID: HD04X26.D

Analysis Method: 8260D Date Collected: 11/25/2024 09:40

Sample wt/vol: 25 (mL) Date Analyzed: 12/04/2024 18:18

Soil Aliquot Vol: _____ Dilution Factor: 1

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

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

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

Analysis Batch No.: 581872 Units: ug/L

Preparation Batch No.: _____ Instrument ID: 19094

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	0.39	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)	102		80-120
1868-53-7	Dibromofluoromethane (Surr)	109		80-120
2037-26-5	Toluene-d8 (Surr)	94		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20241204-132298.b\HD04X26.D
 Lims ID: 410-198585-A-5
 Client ID: HD-COD-SW-13-0/1-0
 Sample Type: Client
 Inject. Date: 04-Dec-2024 18:18:30 ALS Bottle#: 26 Worklist Smp#: 27
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0132298-027
 Operator ID: ecr105096 Instrument ID: 19094
 Method: \\chromfs\Lancaster\ChromData\19094\20241204-132298.b\MSV_19094_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 05-Dec-2024 07:35:23 Calib Date: 15-Oct-2024 00:00:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1661

First Level Reviewer: N9NA

Date: 05-Dec-2024 07:35:23

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50		2.038				ND	7
6 Vinyl chloride	62		2.148				ND	7
9 Bromomethane	94		2.459				ND	
10 Chloroethane	64		2.507				ND	
17 1,1-Dichloroethene	96		3.306				ND	
19 Acetone	43	3.361	3.336	0.025	98	88004	13.0	
23 Carbon disulfide	76	3.611	3.592	0.019	100	17494	0.1357	
* 28 t-Butyl alcohol-d10 (IS)	65	3.928	3.903	0.025	97	121275	50.0	
27 Methylene Chloride	84		3.909				ND	
32 Methyl tert-butyl ether	73		4.281				ND	
33 trans-1,2-Dichloroethene	96		4.306				ND	
36 1,1-Dichloroethane	63		4.964				ND	U
41 2-Butanone (MEK)	43		5.751				ND	
42 cis-1,2-Dichloroethene	96	5.830	5.799	0.031	78	15281	0.2762	
48 Chlorobromomethane	128		6.141				ND	
50 Chloroform	83	6.293	6.293	0.000	94	11095	0.1268	
\$ 52 Dibromofluoromethane (Surr)	113	6.513	6.506	0.007	93	593089	10.9	
53 1,1,1-Trichloroethane	97	6.531	6.519	0.012	36	12976	0.1742	
56 Carbon tetrachloride	117		6.738				ND	
\$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.976	6.958	0.018	46	112654	10.2	
59 Benzene	78		7.000				ND	7
60 1,2-Dichloroethane	62		7.067				ND	
* 64 Fluorobenzene (IS)	96	7.415	7.415	0.000	98	2332643	10.0	
68 Trichloroethene	95	7.909	7.903	0.006	93	21111	0.3930	
70 1,2-Dichloropropane	63		8.238				ND	
76 Dichlorobromomethane	83		8.591				ND	7
80 cis-1,3-Dichloropropene	75		9.158				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.341				ND	7
\$ 83 Toluene-d8 (Surr)	98	9.488	9.482	0.006	94	2511500	9.35	
84 Toluene	92	9.567	9.561	0.006	96	6876	0.0446	
85 trans-1,3-Dichloropropene	75		9.841				ND	
106 1,1,2-Trichloroethane	97		10.048				ND	7

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
107 Tetrachloroethene	166	10.140	10.140	0.000	98	154205	2.21	
109 2-Hexanone	43		10.274				ND	
111 Chlorodibromomethane	129		10.439				ND	
112 Ethylene Dibromide	107		10.548				ND	
* 113 Chlorobenzene-d5 (IS)	117	10.993	10.993	0.000	87	1958654	10.0	
115 Chlorobenzene	112		11.018				ND	
116 1,1,1,2-Tetrachloroethane	131		11.109				ND	
117 Ethylbenzene	91		11.109				ND	7
119 m-Xylene & p-Xylene	106		11.231				ND	7
S 118 Xylenes, Total	106		11.245				ND	7
120 o-Xylene	106		11.566				ND	7
121 Styrene	104		11.579				ND	7
122 Bromoform	173		11.737				ND	
\$ 126 4-Bromofluorobenzene (Surr)	95	12.018	12.018	0.000	89	977257	10.2	
127 1,1,2,2-Tetrachloroethane	83		12.121				ND	
* 141 1,4-Dichlorobenzene-d4	152	12.908	12.908	0.000	96	1074520	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSV_LLcentISS_00013

Amount Added: 5.00

Units: uL

Run Reagent

Data File: \\chromfs\Lancaster\ChromData\19094\20241204-132298.b\HD04X26.D

Injection Date: 04-Dec-2024 18:18:30

Instrument ID: 19094

Operator ID: ecr105096

Lims ID: 410-198585-A-5

Lab Sample ID: 410-198585-5

Worklist Smp#: 27

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

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

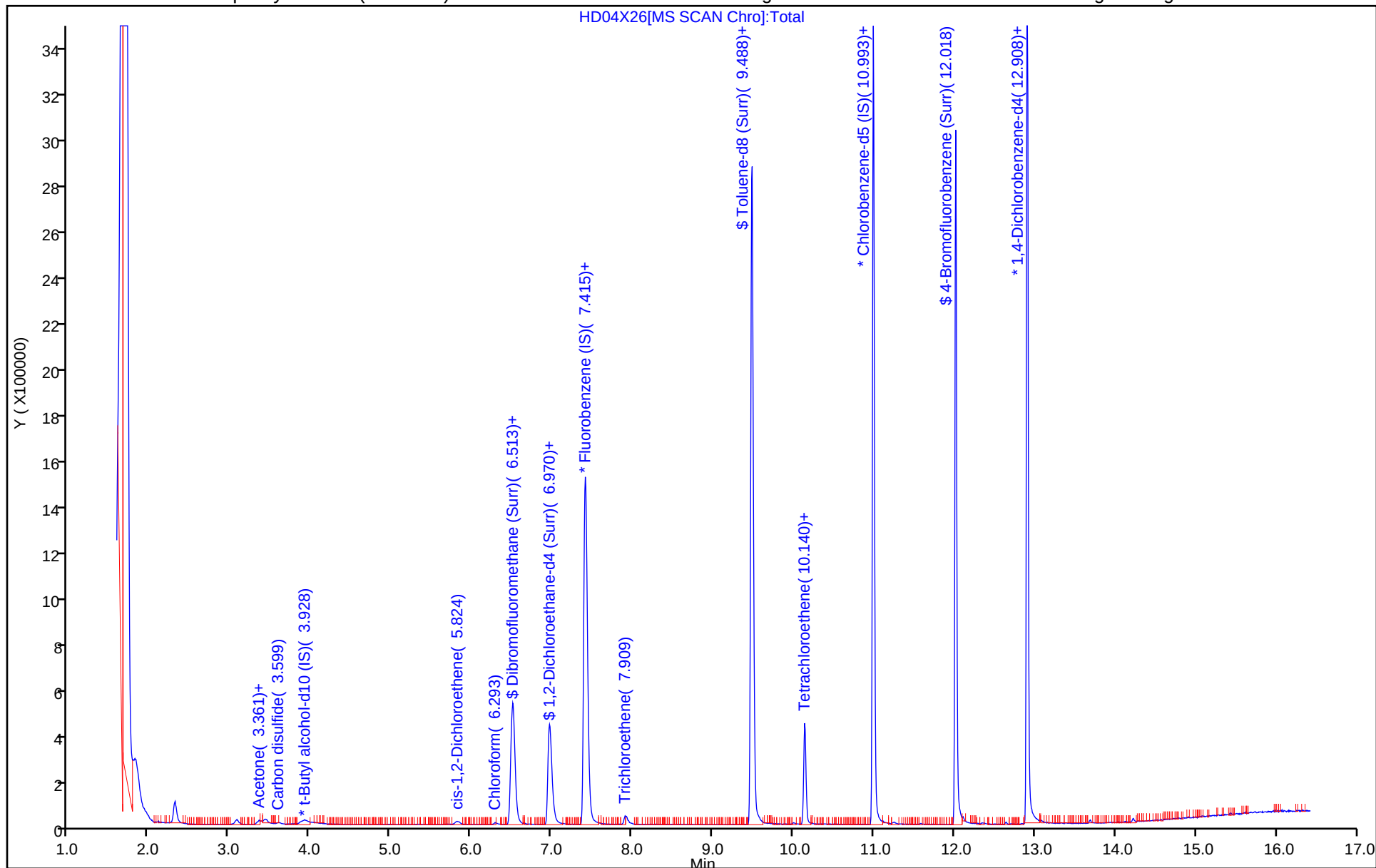
ALS Bottle#: 26

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\19094\20241204-132298.b\HD04X26.D
Lims ID: 410-198585-A-5
Client ID: HD-COD-SW-13-0/1-0
Sample Type: Client
Inject. Date: 04-Dec-2024 18:18:30 ALS Bottle#: 26 Worklist Smp#: 27
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0132298-027
Operator ID: ecr105096 Instrument ID: 19094
Method: \\chromfs\Lancaster\ChromData\19094\20241204-132298.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 05-Dec-2024 07:35:23 Calib Date: 15-Oct-2024 00:00:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X18.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1661

First Level Reviewer: N9NA

Date: 05-Dec-2024 07:35:23

Compound	Amount Added	Amount Recovered	% Rec.
\$ 52 Dibromofluoromethane (Surr)	10.0	10.9	108.99
\$ 58 1,2-Dichloroethane-d4 (Surr)	10.0	10.2	101.79
\$ 83 Toluene-d8 (Surr)	10.0	9.35	93.54
\$ 126 4-Bromofluorobenzene (Surr)	10.0	10.2	101.51

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20241204-132298.b\HD04X26.D

Injection Date: 04-Dec-2024 18:18:30

Instrument ID: 19094

Lims ID: 410-198585-A-5

Lab Sample ID: 410-198585-5

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

Operator ID: ecr105096

ALS Bottle#: 26

Worklist Smp#: 27

Purge Vol: 25.000 mL

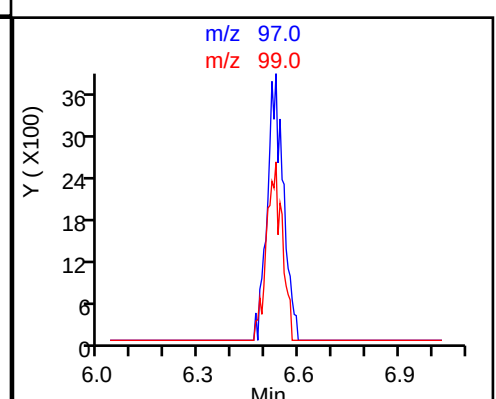
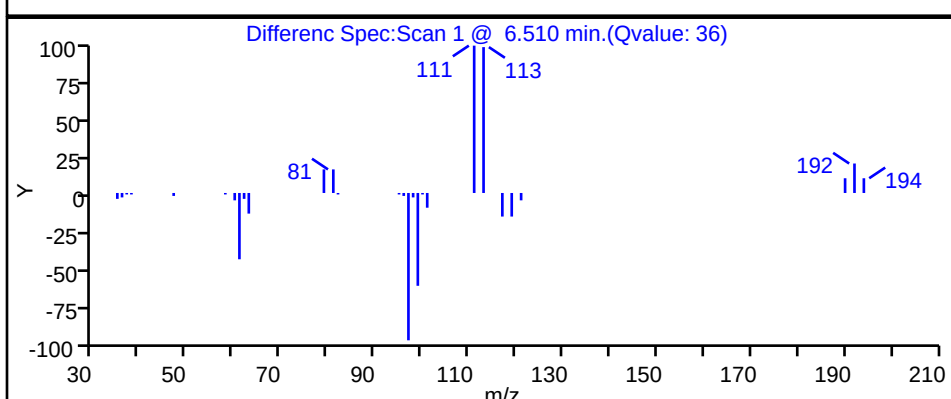
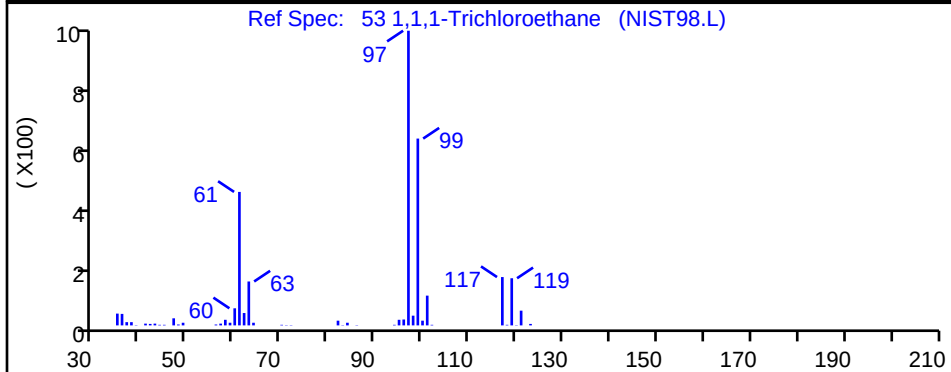
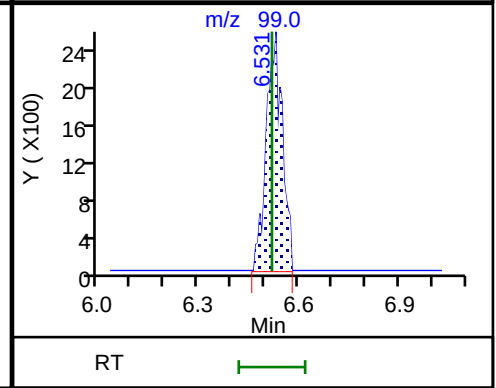
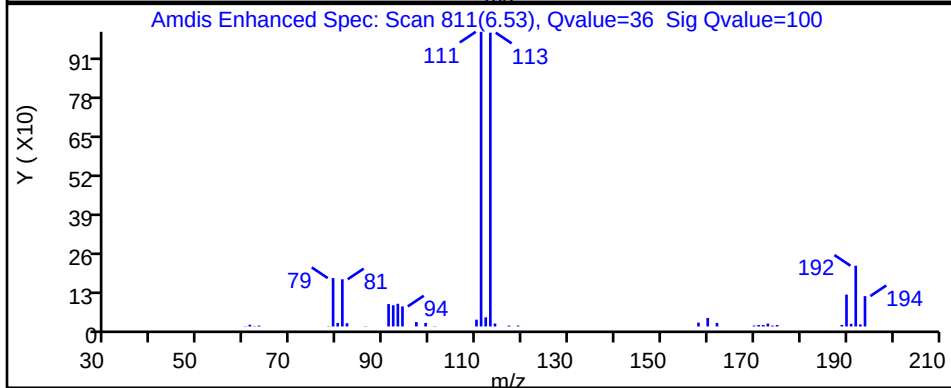
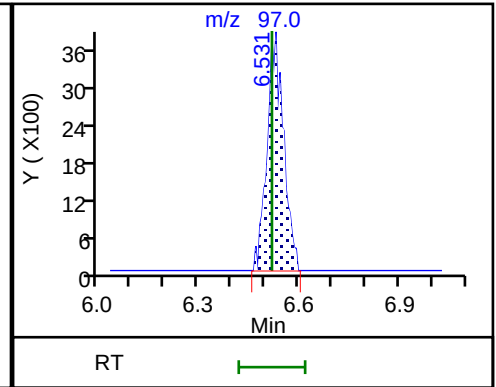
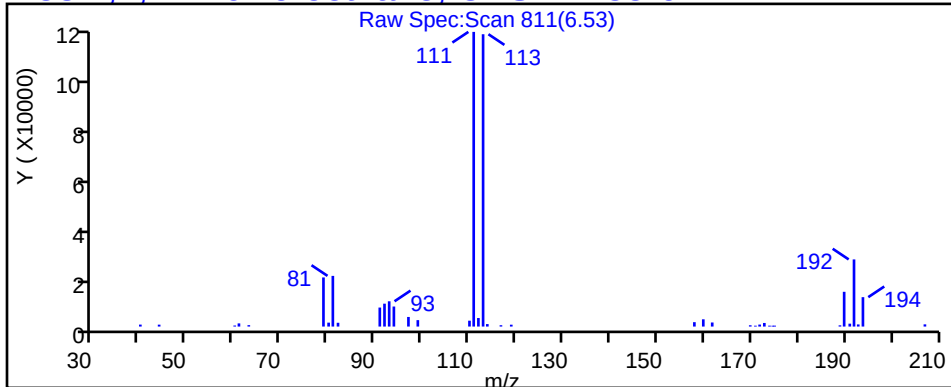
Dil. Factor: 1.0000

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

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

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20241204-132298.b\HD04X26.D

Injection Date: 04-Dec-2024 18:18:30

Instrument ID: 19094

Lims ID: 410-198585-A-5

Lab Sample ID: 410-198585-5

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

Operator ID: ecr105096

ALS Bottle#: 26

Worklist Smp#: 27

Purge Vol: 25.000 mL

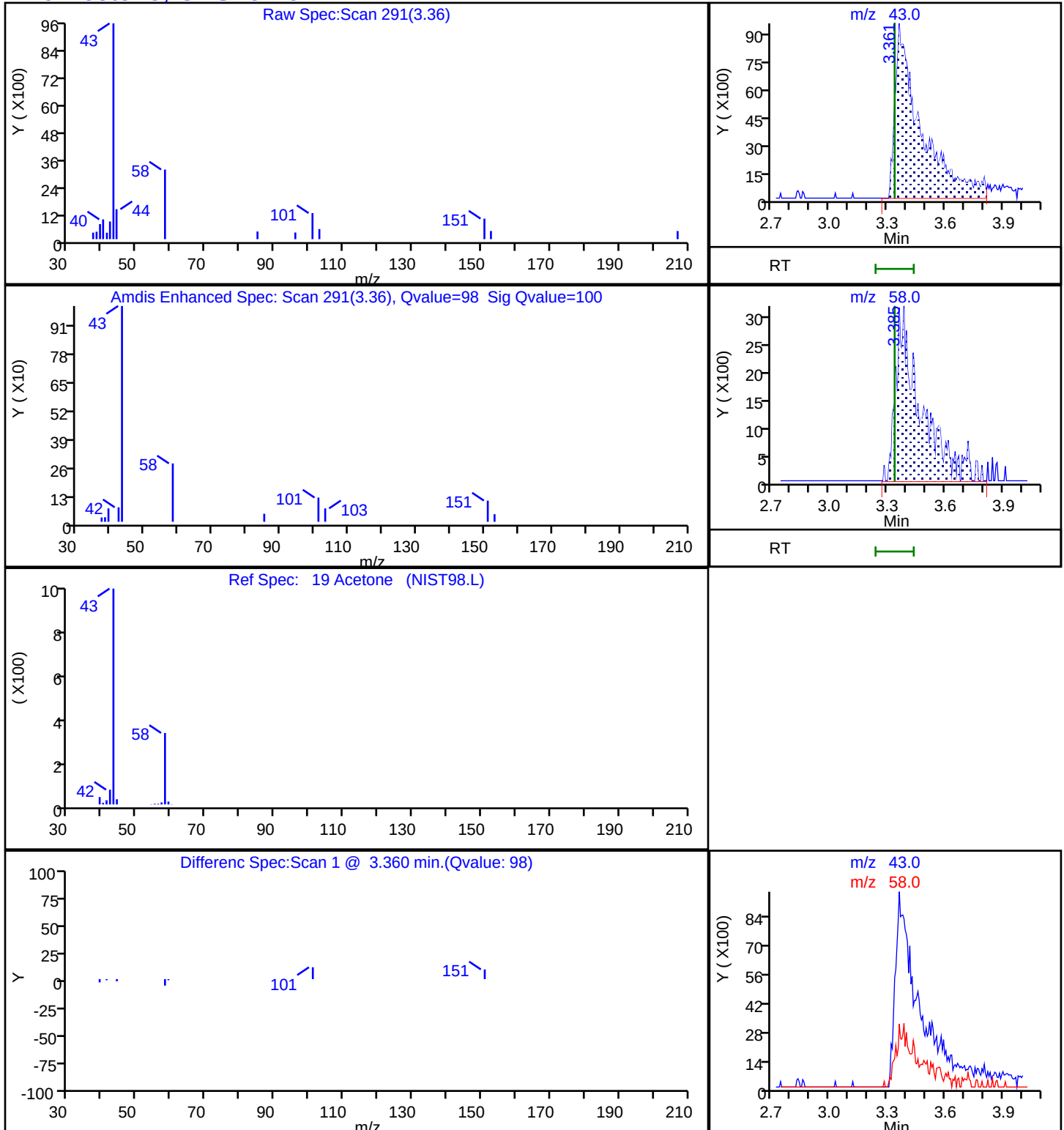
Dil. Factor: 1.0000

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

19 Acetone, CAS: 67-64-1

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20241204-132298.b\HD04X26.D

Injection Date: 04-Dec-2024 18:18:30

Instrument ID: 19094

Lims ID: 410-198585-A-5

Lab Sample ID: 410-198585-5

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

Operator ID: ecr105096

ALS Bottle#: 26

Worklist Smp#: 27

Purge Vol: 25.000 mL

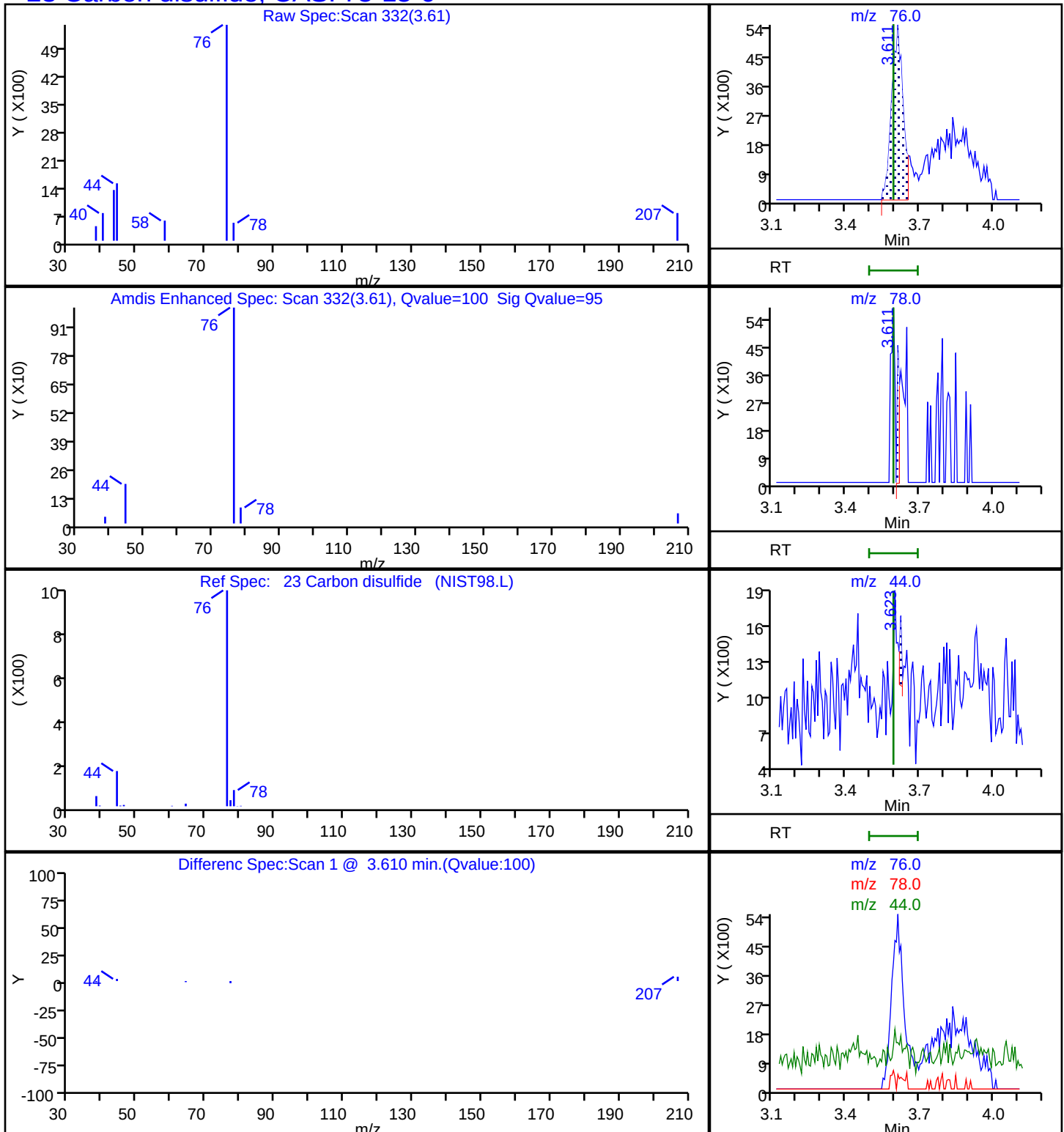
Dil. Factor: 1.0000

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

23 Carbon disulfide, CAS: 75-15-0

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20241204-132298.b\HD04X26.D

Injection Date: 04-Dec-2024 18:18:30

Instrument ID: 19094

Lims ID: 410-198585-A-5

Lab Sample ID: 410-198585-5

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

Operator ID: ecr105096

ALS Bottle#: 26

Worklist Smp#: 27

Purge Vol: 25.000 mL

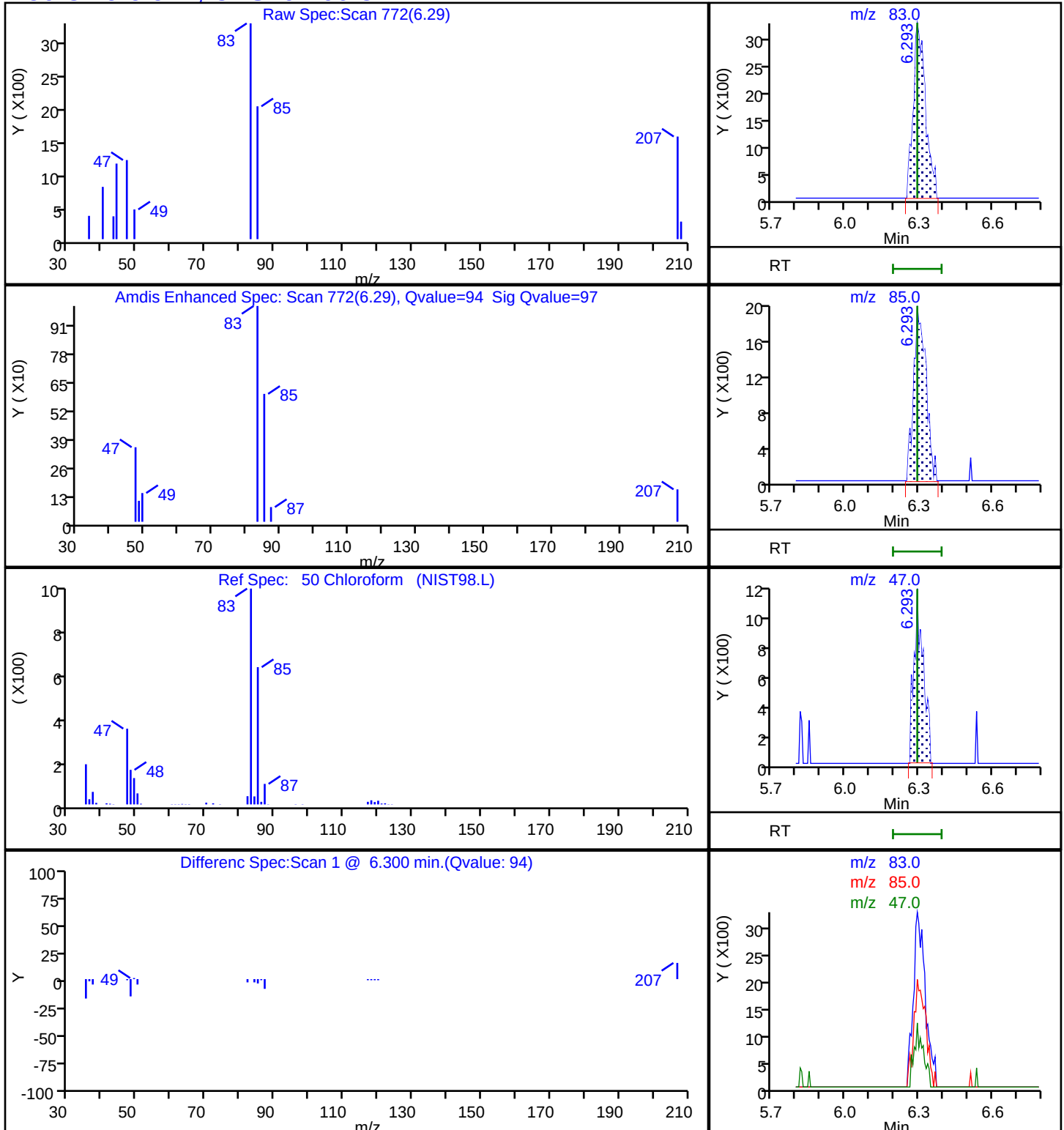
Dil. Factor: 1.0000

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID) x 30m

MS Quad

50 Chloroform, CAS: 67-66-3

Data File: \\chromfs\Lancaster\ChromData\19094\20241204-132298.b\HD04X26.D

Injection Date: 04-Dec-2024 18:18:30

Instrument ID: 19094

Lims ID: 410-198585-A-5

Lab Sample ID: 410-198585-5

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

Operator ID: ecr105096

ALS Bottle#: 26

Worklist Smp#: 27

Purge Vol: 25.000 mL

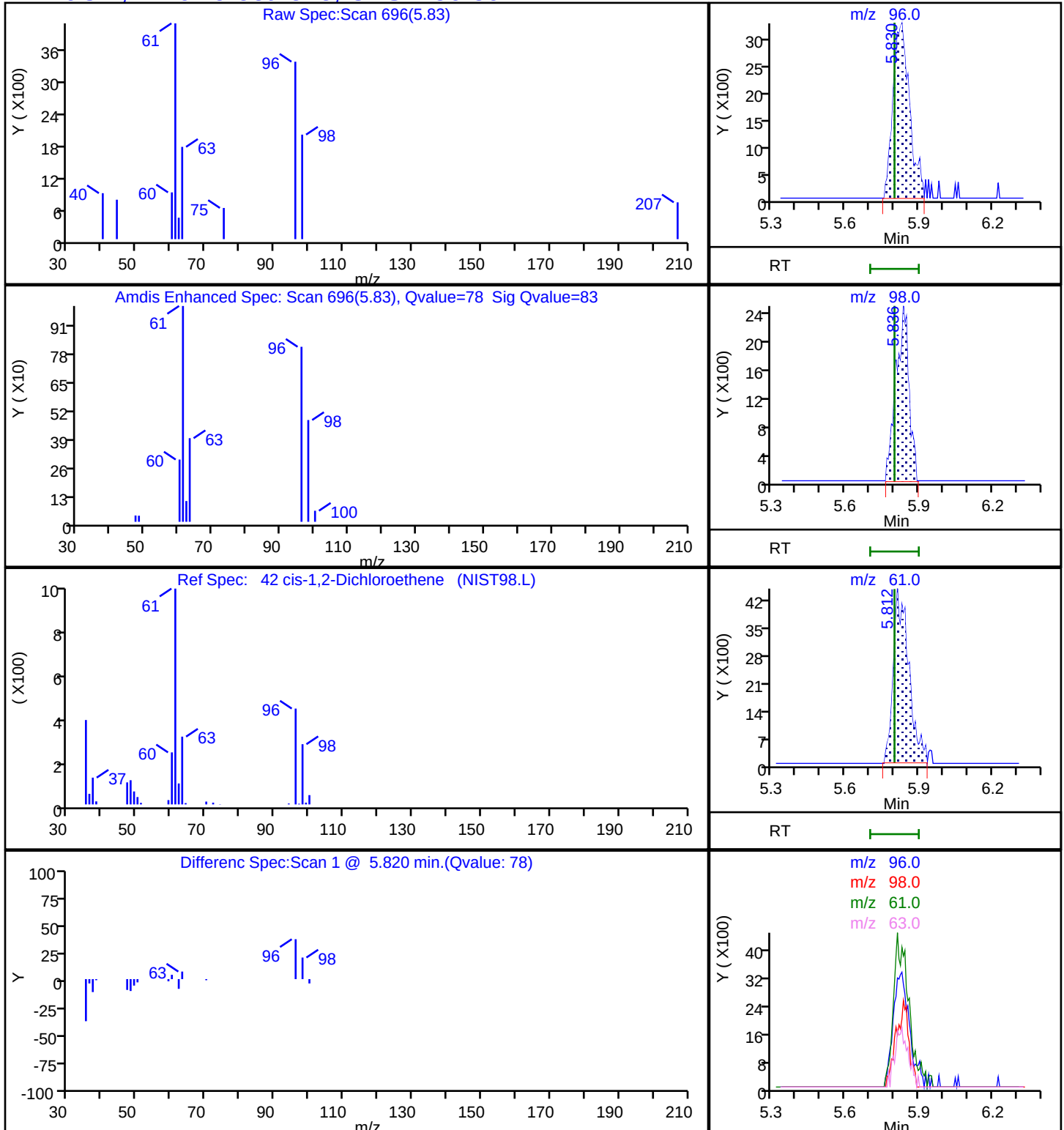
Dil. Factor: 1.0000

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

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

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20241204-132298.b\HD04X26.D

Injection Date: 04-Dec-2024 18:18:30

Instrument ID: 19094

Lims ID: 410-198585-A-5

Lab Sample ID: 410-198585-5

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

Operator ID: ecr105096

ALS Bottle#: 26

Worklist Smp#: 27

Purge Vol: 25.000 mL

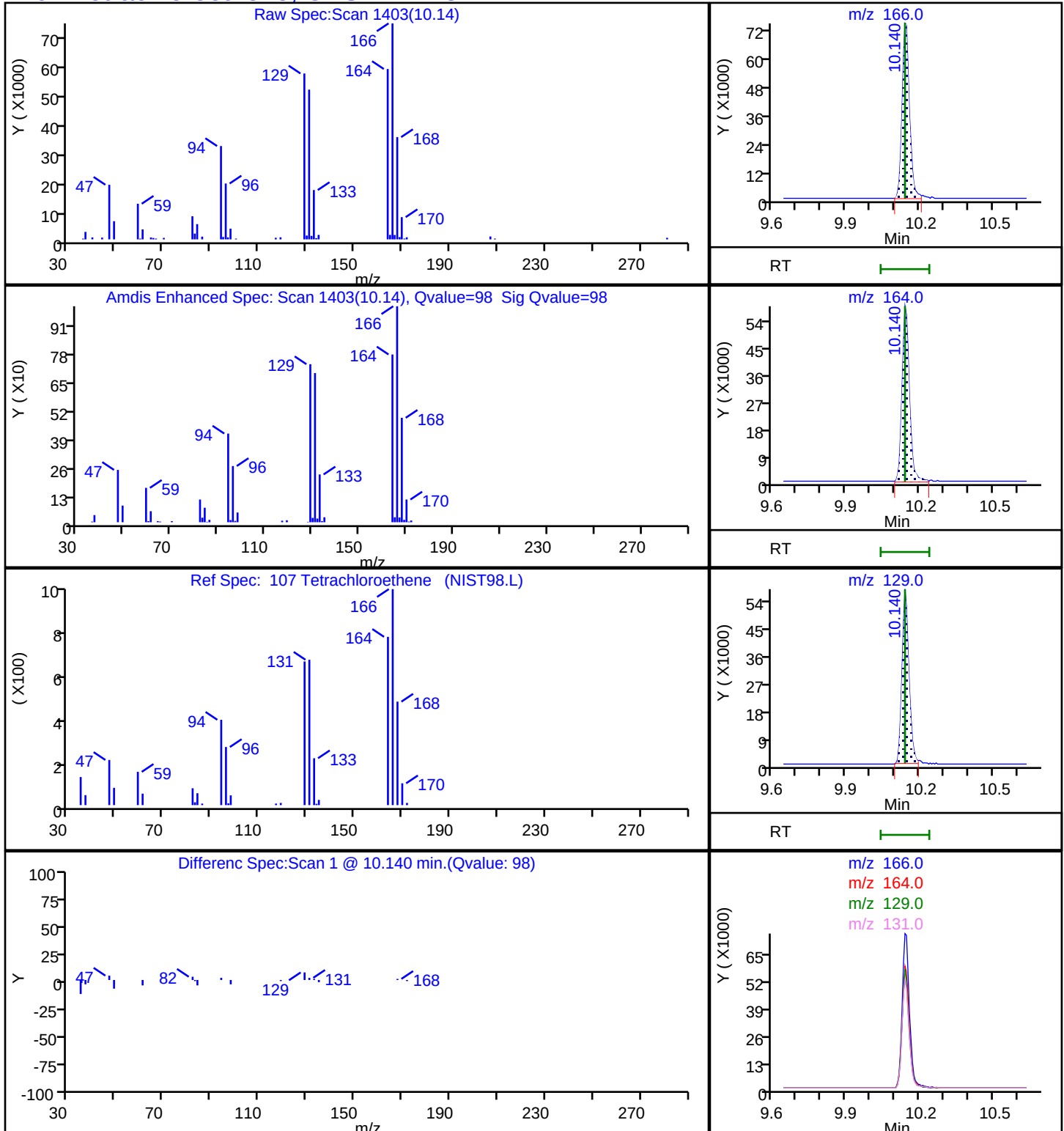
Dil. Factor: 1.0000

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

107 Tetrachloroethene, CAS: 127-18-4

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20241204-132298.b\HD04X26.D

Injection Date: 04-Dec-2024 18:18:30

Instrument ID: 19094

Lims ID: 410-198585-A-5

Lab Sample ID: 410-198585-5

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

Operator ID: ecr105096

ALS Bottle#: 26

Worklist Smp#: 27

Purge Vol: 25.000 mL

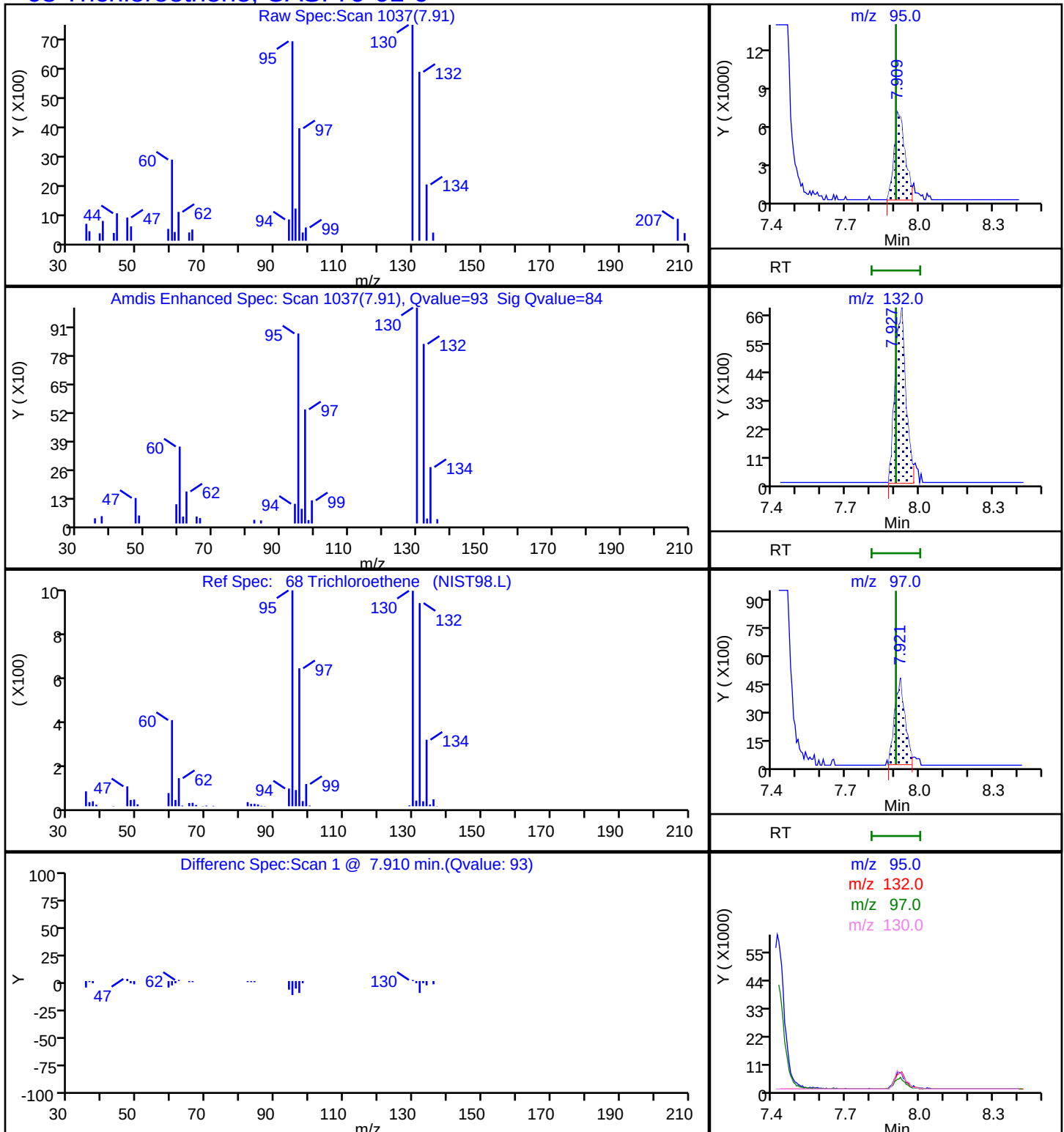
Dil. Factor: 1.0000

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm ID) x 30 m

MS Quad

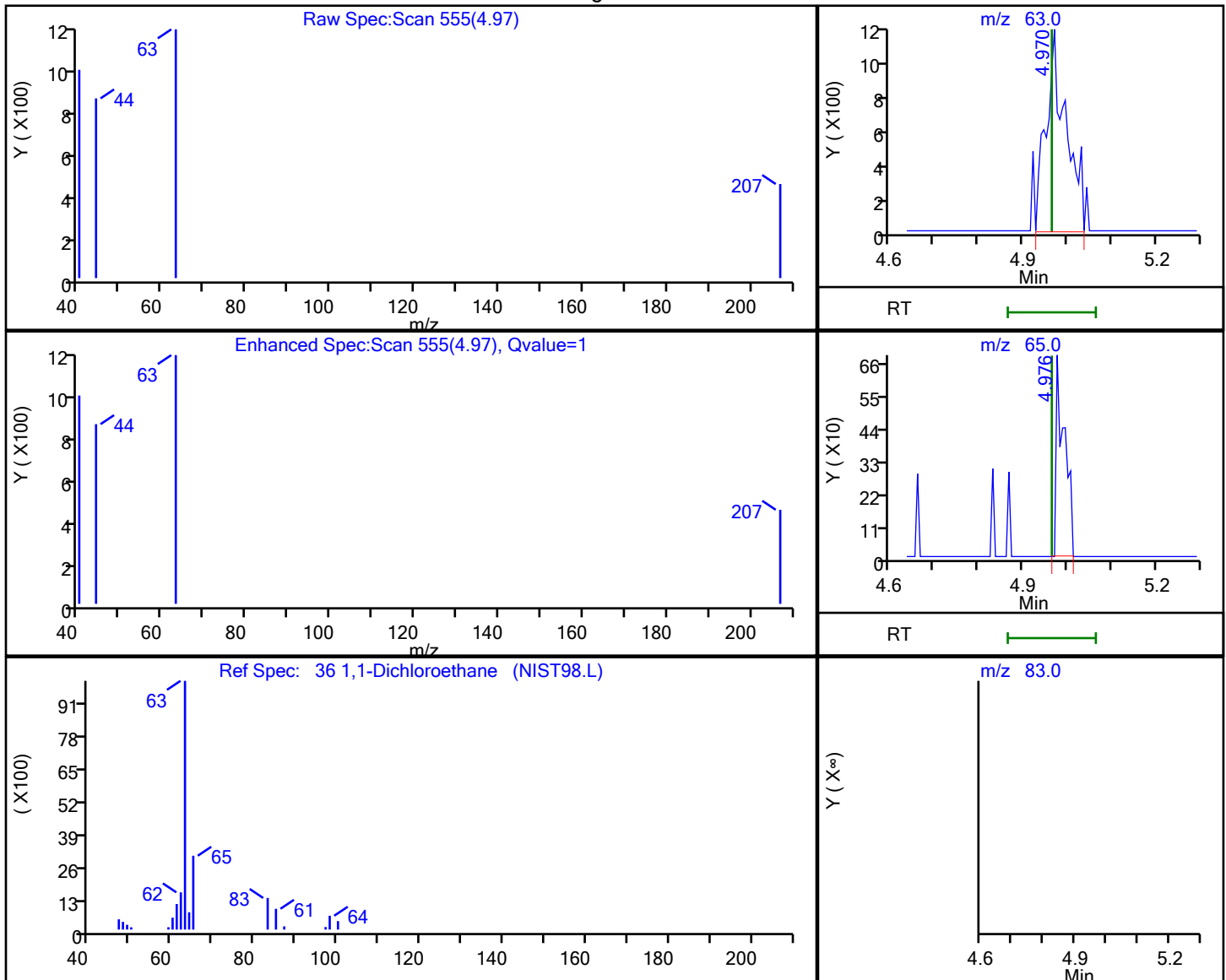
68 Trichloroethene, CAS: 79-01-6

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20241204-132298.b\HD04X26.D
Injection Date: 04-Dec-2024 18:18:30 Instrument ID: 19094
Lims ID: 410-198585-A-5 Lab Sample ID: 410-198585-5
Client ID: HD-COD-SW-13-0/1-0
Operator ID: ecr105096 ALS Bottle#: 26 Worklist Smp#: 27
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

36 1,1-Dichloroethane, CAS: 75-34-3

Processing Results



RT	Mass	Response	Amount
4.97	63.00	3637	0.039064
4.98	65.00	912	
4.96	83.00	0	

Reviewer: N9NA, 05-Dec-2024 07:34:41 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-198585-1

SDG No.:

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

Lab Sample ID: 410-198585-6

Matrix: Water

Lab File ID: GD04X21.D

Analysis Method: 8260D

Date Collected: 11/25/2024 11:37

Sample wt/vol: 25 (mL)

Date Analyzed: 12/04/2024 18:39

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.: 581981

Units: ug/L

Preparation Batch No.:

Instrument ID: 16334

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	0.34	J	0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.10
79-00-5	1,1,2-Trichloroethane	ND		0.50	0.080
75-34-3	1,1-Dichloroethane	0.11	J	0.50	0.10
75-35-4	1,1-Dichloroethene	0.19	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	0.17	J	0.50	0.090
74-87-3	Chloromethane	ND		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	1.4		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	5.6		0.50	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC	Job No.: 410-198585-1
SDG No.:	
Client Sample ID: HD-COD-SW-15-0/1-0	Lab Sample ID: 410-198585-6
Matrix: Water	Lab File ID: GD04X21.D
Analysis Method: 8260D	Date Collected: 11/25/2024 11:37
Sample wt/vol: 25 (mL)	Date Analyzed: 12/04/2024 18:39
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.: 581981	Units: ug/L
Preparation Batch No.:	Instrument ID: 16334

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	1.2		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)	101		80-120
460-00-4	4-Bromofluorobenzene (Surr)	96		80-120
1868-53-7	Dibromofluoromethane (Surr)	100		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\16334\20241204-132342.b\GD04X21.D
 Lims ID: 410-198585-A-6
 Client ID: HD-COD-SW-15-0/1-0
 Sample Type: Client
 Inject. Date: 04-Dec-2024 18:39:30 ALS Bottle#: 21 Worklist Smp#: 22
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0132342-022
 Operator ID: knk41612 Instrument ID: 16334
 Method: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\MSV_16334_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 10-Dec-2024 07:27:08 Calib Date: 03-Dec-2024 18:18:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1614

First Level Reviewer: FQ4L

Date: 10-Dec-2024 07:22:32

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85		1.703				ND	
3 Chlorodifluoromethane	51		1.763				ND	7
1 Chlorotrifluoroethene	116		1.764				ND	
5 Chloromethane	50		1.873				ND	
4 Dimethyl ether	45	1.892	1.885	0.007	1	375	NC	
7 Butadiene	39		1.959				ND	7
6 Vinyl chloride	62		1.977				ND	
8 2-Chloro-1,1,1-Trifluoroethane	118		2.148				ND	
9 Bromomethane	94		2.264				ND	
10 Chloroethane	64		2.300				ND	
11 Dichlorofluoromethane	67		2.501				ND	
12 Trichlorofluoromethane	101		2.593				ND	
13 Ethyl ether	59		2.763				ND	
16 1,2-Dichloro-1,1,2-trifluoroetha	67		2.837				ND	
17 Acrolein	56		2.904				ND	
18 1,1-Dichloroethene	96	3.026	3.019	0.007	96	6848	0.1943	
19 Acetone	43		3.050				ND	7
20 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.062				ND	
14 Ethanol	45		3.184				ND	
22 Iodomethane	142		3.184				ND	
T 15 Ethanol TIC	45		3.190				ND	7
21 Isopropyl alcohol	45		3.202				ND	
23 Ethyl bromide	108		3.208				ND	
24 Carbon disulfide	76		3.276				ND	
25 Methyl acetate	43		3.410				ND	
27 3-Chloro-1-propene	41		3.422				ND	
26 Acetonitrile	41		3.580				ND	
29 Methylene Chloride	84		3.580				ND	
* 30 t-Butyl alcohol-d10 (IS)	65	3.599	3.605	-0.006	21	54116	50.0	
31 2-Methyl-2-propanol	59		3.708				ND	
32 Acrylonitrile	53		3.873				ND	
34 trans-1,2-Dichloroethene	96		3.928				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
33 Methyl tert-butyl ether	73	3.952	3.934	0.018	1	2868	0.0365	
T 28 Acetonitrile TIC	41		3.961				ND	
35 Hexane	57		4.324				ND	
37 1,1-Dichloroethane	63	4.568	4.556	0.012	91	8587	0.1144	a
38 Isopropyl ether	45		4.635				ND	
39 2-Chloro-1,3-butadiene	53		4.672				ND	
36 Vinyl acetate	43		4.836				ND	
40 Tert-butyl ethyl ether	59		5.184				ND	7
41 2-Butanone (MEK)	43		5.391				ND	
42 cis-1,2-Dichloroethene	96	5.434	5.415	0.019	79	63875	1.41	
43 2,2-Dichloropropane	77		5.428				ND	
45 Propionitrile	54		5.476				ND	
48 Methacrylonitrile	67		5.696				ND	
49 Chlorobromomethane	128		5.757				ND	
44 Ethyl acetate	43		5.763				ND	
50 Tetrahydrofuran	71		5.769				ND	
51 Chloroform	83	5.934	5.915	0.019	92	12455	0.1692	
\$ 52 Dibromofluoromethane (Surr)	113	6.147	6.135	0.012	93	369048	10.0	
46 Methyl acrylate	55		6.141				ND	
53 1,1,1-Trichloroethane	97	6.153	6.141	0.012	38	22221	0.3410	
S 47 1,2-Dichloroethene, Total	100				0		1.41	
54 Cyclohexane	56		6.238				ND	
55 Carbon tetrachloride	117		6.354				ND	7
56 1,1-Dichloropropene	75		6.360				ND	
58 Isobutyl alcohol	41		6.568				ND	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.598	6.598	0.000	65	70839	10.1	
60 Benzene	78		6.622				ND	
61 1,2-Dichloroethane	62		6.696				ND	
62 Isopropyl acetate	43		6.842				ND	
63 Tert-amyl methyl ether	73		6.842				ND	
* 64 Fluorobenzene (IS)	96	7.049	7.043	0.006	99	1562489	10.0	
57 1-Chlorobutane	56	7.043	7.067	-0.024	34	5603	NC	
65 n-Heptane	43		7.067				ND	
67 n-Butanol	56		7.482				ND	
68 Trichloroethene	95	7.543	7.537	0.006	97	54261	1.22	
69 Methylcyclohexane	83		7.842				ND	
70 1,2-Dichloropropane	63		7.866				ND	
66 t-Amyl alcohol	73		7.903				ND	
71 2-ethoxy-2-methyl butane	87		7.903				ND	
74 Dibromomethane	93		7.982				ND	
73 1,4-Dioxane	88		7.982				ND	
72 Methyl methacrylate	69		7.988				ND	
76 Dichlorobromomethane	83		8.226				ND	
75 n-Propyl acetate	61		8.305				ND	
77 2-Nitropropane	41		8.506				ND	
79 1-Bromo-2-chloroethane	63		8.616				ND	
81 cis-1,3-Dichloropropene	75		8.799				ND	
78 2-Chloroethyl vinyl ether	63		8.842				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.006				ND	
\$ 83 Toluene-d8 (Surr)	98	9.140	9.134	0.006	93	1544189	9.74	
80 Chloroacetonitrile	75		9.158				ND	
84 Toluene	92		9.219				ND	7

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
85 trans-1,3-Dichloropropene	75		9.518				ND	
86 Ethyl methacrylate	69		9.610				ND	
107 1,1,2-Trichloroethane	97		9.738				ND	
108 Tetrachloroethene	166	9.823	9.823	0.000	97	280383	5.64	
109 1,3-Dichloropropane	76		9.908				ND	
110 2-Hexanone	43		9.988				ND	
T 102 3-Chloro-1,2-propanediol TIC	43	10.701	10.000	0.701	11	642	0.004109	
T 103 Decamethylcyclopentasiloxane TIC	73	10.707	10.000	0.707	1	4118	0.0264	
T 105 Vinyl acetate (TIC)	43		10.000				ND	
T 99 2,3-Dibromopropene TIC	119	9.829	10.000	-0.171	1	2302	0.0147	
T 98 Epibromohydrin TIC	57	10.701	10.000	0.701	1	667	0.004269	
T 90 Nitrobenzene TIC	77	10.707	10.000	0.707	6	9436	0.0604	
T 101 2-Chloroethanol TIC	44	10.097	10.000	0.097	1	338	0.002163	
T 96 Methyl acrylate TIC	55		10.000				ND	
T 95 2,3-Dibromo-1-propanol TIC	57	10.701	10.000	0.701	1	667	0.004269	
T 92 2-Bromoethanol TIC	45	9.146	10.000	-0.854	0	1163	0.007443	
T 94 Isopropyl alcohol TIC	45	9.146	10.000	-0.854	15	1163	0.007443	
T 89 Vinyl bromide TIC	106	10.951	10.000	0.951	11	1008	0.006451	
T 93 Monochloroacetic acid TIC	50	10.701	10.000	0.701	14	30941	0.1980	
T 91 Epichlorohydrin TIC	57	10.701	10.000	0.701	35	667	0.004269	
T 100 Octamethylcyclotetrasiloxane TIC	28	11.835	10.000	1.835	83	7794	0.0499	
T 88 Hexachloroethane TIC	117	9.823	10.000	-0.177	12	2151	0.0138	
T 104 Ethylene oxide TIC	43		10.000				ND	
T 87 Chloroacetaldehyde TIC	50		10.000				ND	
T 97 2-Bromo-3-chloropropene TIC	75	10.707	10.000	0.707	1	17676	0.1131	
S 106 1,3-Dichloropropene, Total	100		10.060				ND	7
112 Chlorodibromomethane	129		10.134				ND	
111 n-Butyl acetate	43		10.237				ND	
113 Ethylene Dibromide	107		10.244				ND	
* 114 Chlorobenzene-d5 (IS)	117	10.707	10.707	0.000	85	1142500	10.0	
116 Chlorobenzene	112		10.731				ND	
115 1-Chlorohexane	91		10.731				ND	7
117 1,1,1,2-Tetrachloroethane	131		10.823				ND	
118 Ethylbenzene	91		10.829				ND	
120 m-Xylene & p-Xylene	106		10.951				ND	7
S 119 Xylenes, Total	106		11.245				ND	7
121 o-Xylene	106		11.292				ND	
122 Styrene	104		11.304				ND	
123 Bromoform	173		11.457				ND	
124 Isopropylbenzene	105		11.603				ND	
125 cis-1,4-Dichloro-2-butene	88		11.743				ND	
\$ 127 4-Bromofluorobenzene (Surr)	95	11.743	11.743	0.000	91	523114	9.55	
128 1,1,2,2-Tetrachloroethane	83		11.859				ND	
129 Bromobenzene	156		11.859				ND	
126 Cyclohexanone	55		11.883				ND	
130 trans-1,4-Dichloro-2-butene	53		11.884				ND	
131 1,2,3-Trichloropropane	110		11.902				ND	
132 N-Propylbenzene	91		11.938				ND	
133 2-Chlorotoluene	126		12.012				ND	
134 1,3,5-Trimethylbenzene	105		12.079				ND	
135 4-Chlorotoluene	126		12.103				ND	
136 tert-Butylbenzene	134		12.323				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
137 Pentachloroethane	167		12.353				ND	
138 1,2,4-Trimethylbenzene	105		12.365				ND	7
139 sec-Butylbenzene	105		12.487				ND	
140 1,3-Dichlorobenzene	146		12.585				ND	
141 4-Isopropyltoluene	119		12.603				ND	
* 142 1,4-Dichlorobenzene-d4	152	12.640	12.640	0.000	94	624441	10.0	
143 1,4-Dichlorobenzene	146		12.658				ND	
144 1,2,3-Trimethylbenzene	120		12.670				ND	7
145 Benzyl chloride	126		12.737				ND	
146 p-Diethylbenzene	119		12.877				ND	
147 n-Butylbenzene	92		12.896				ND	
148 1,2-Dichlorobenzene	146		12.914				ND	
150 1,2-Dibromo-3-Chloropropane	155		13.463				ND	
149 Hexachloroethane	201		13.499				ND	
151 1,3,5-Trichlorobenzene	180		13.591				ND	
152 1,2,4-Trichlorobenzene	180		14.011				ND	
153 Hexachlorobutadiene	225		14.103				ND	
154 Naphthalene	128		14.188				ND	7
155 1,2,3-Trichlorobenzene	180		14.334				ND	
156 2-Methylnaphthalene	142		14.920				ND	
157 1,1-Dichloro-1-fluoroethane	1		0.000				ND	
158 1-Chloropropane	1		0.000				ND	
159 1-Bromo-3-Chloropropane	1		0.000				ND	
160 Propene oxide	1		0.000				ND	
161 n-Decane	57		0.000				ND	
162 Methylal	1		0.000				ND	
163 tert-Butyl Formate	1		0.000				ND	
164 1,1-Dichloroacetone	1		0.000				ND	
165 Dodecane	57		0.000				ND	
166 2-Bromo-1-chloropropane	1		0.000				ND	
209 1,1-Dichloro-1-fluoroethane TICl			0.000				ND	
167 Pentane	43	2.745	2.763	-0.018	1	210	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

NC - Not Calibrated

7 - Failed Limit of Detection

Review Flags

a - User Assigned ID

Reagents:

MSV_29_826ISS_00057

Amount Added: 1.20

Units: uL

Run Reagent

Report Date: 10-Dec-2024 09:47:05

Chrom Revision: 2.3 12-Nov-2024 16:55:22

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X21.D

Injection Date: 04-Dec-2024 18:39:30

Instrument ID: 16334

Operator ID: knk41612

Lims ID: 410-198585-A-6

Lab Sample ID: 410-198585-6

Worklist Smp#: 22

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

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

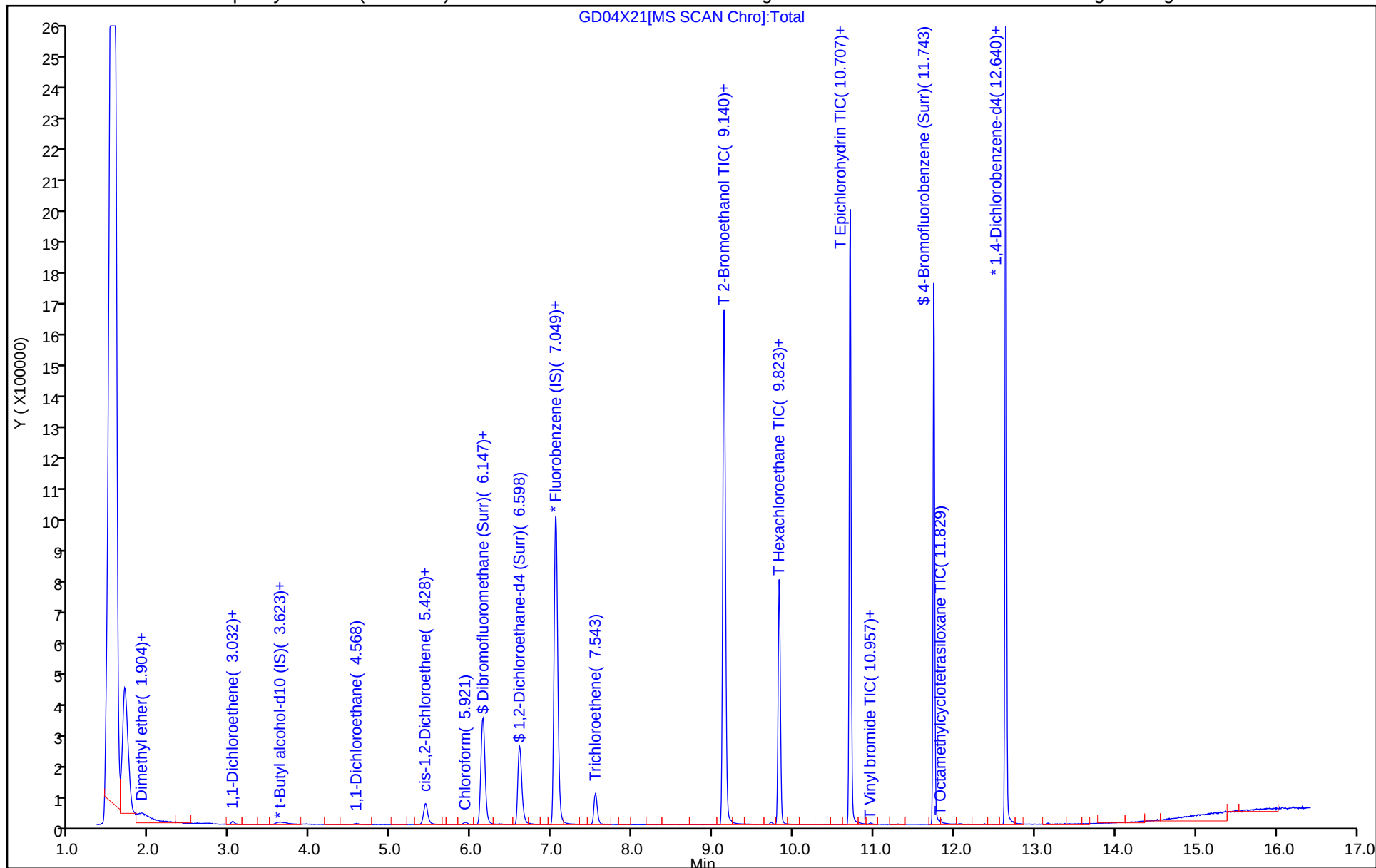
ALS Bottle#: 21

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X21.D
Lims ID: 410-198585-A-6
Client ID: HD-COD-SW-15-0/1-0
Sample Type: Client
Inject. Date: 04-Dec-2024 18:39:30 ALS Bottle#: 21 Worklist Smp#: 22
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0132342-022
Operator ID: knk41612 Instrument ID: 16334
Method: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 10-Dec-2024 07:27:08 Calib Date: 03-Dec-2024 18:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X18.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1614

First Level Reviewer: FQ4L

Date: 10-Dec-2024 07:22:32

Compound	Amount Added	Amount Recovered	% Rec.
\$ 52 Dibromofluoromethane (Surr)	10.0	10.0	100.11
\$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.1	100.72
\$ 83 Toluene-d8 (Surr)	10.0	9.74	97.38
\$ 127 4-Bromofluorobenzene (Surr)	10.0	9.55	95.52

Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X21.D

Injection Date: 04-Dec-2024 18:39:30

Instrument ID: 16334

Lims ID: 410-198585-A-6

Lab Sample ID: 410-198585-6

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

Operator ID: knk41612

ALS Bottle#: 21

Worklist Smp#: 22

Purge Vol: 25.000 mL

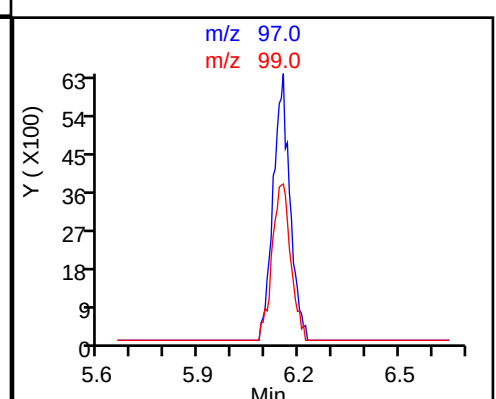
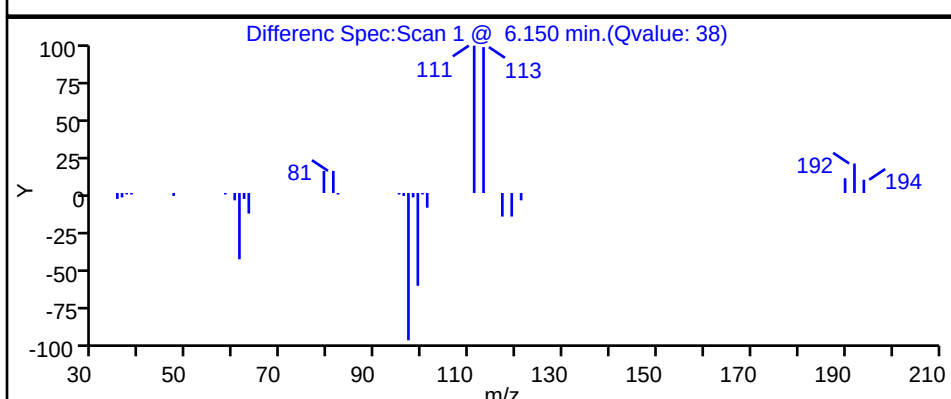
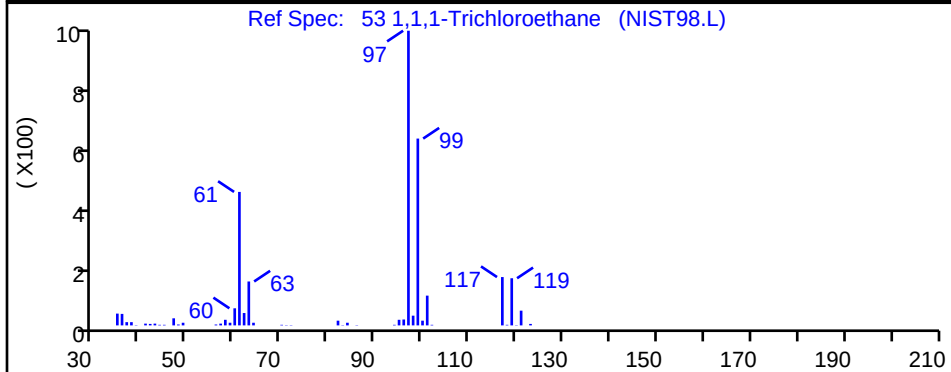
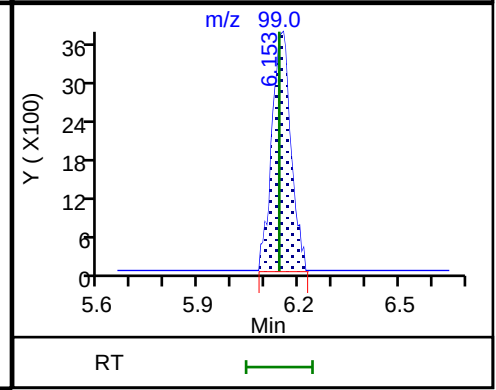
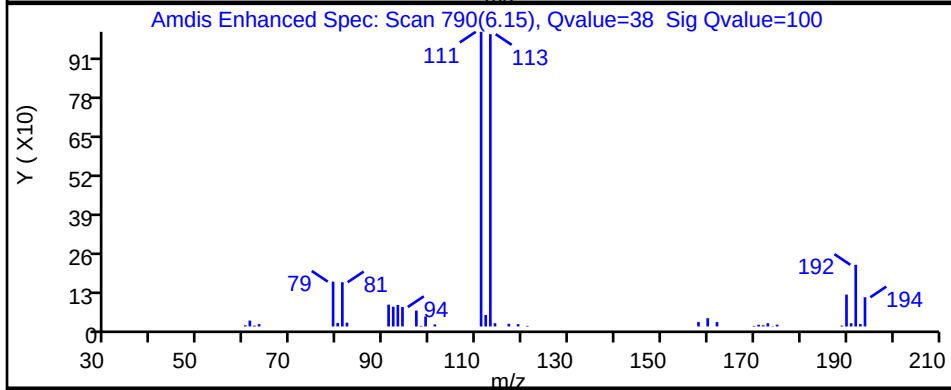
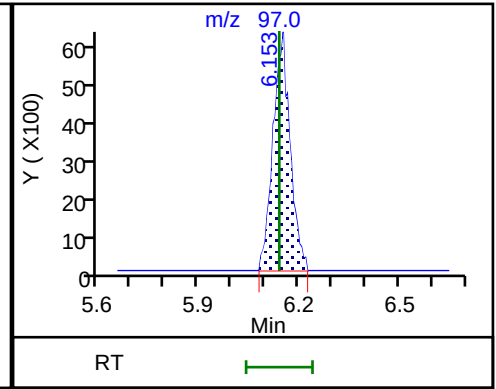
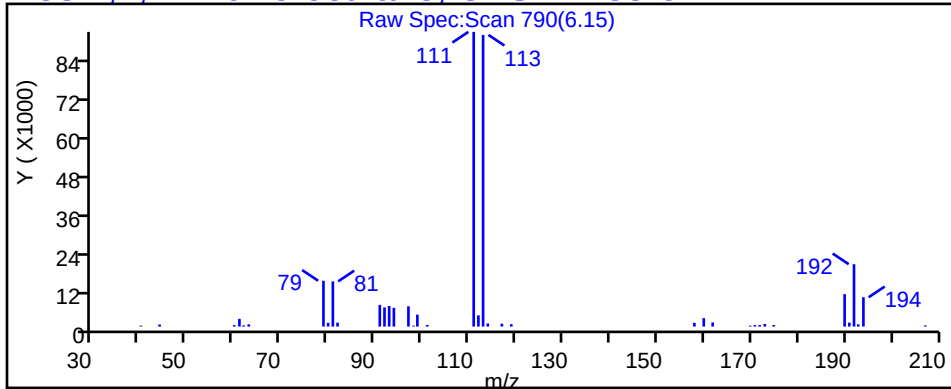
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

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

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X21.D

Injection Date: 04-Dec-2024 18:39:30

Instrument ID: 16334

Lims ID: 410-198585-A-6

Lab Sample ID: 410-198585-6

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

Operator ID: knk41612

ALS Bottle#: 21

Worklist Smp#: 22

Purge Vol: 25.000 mL

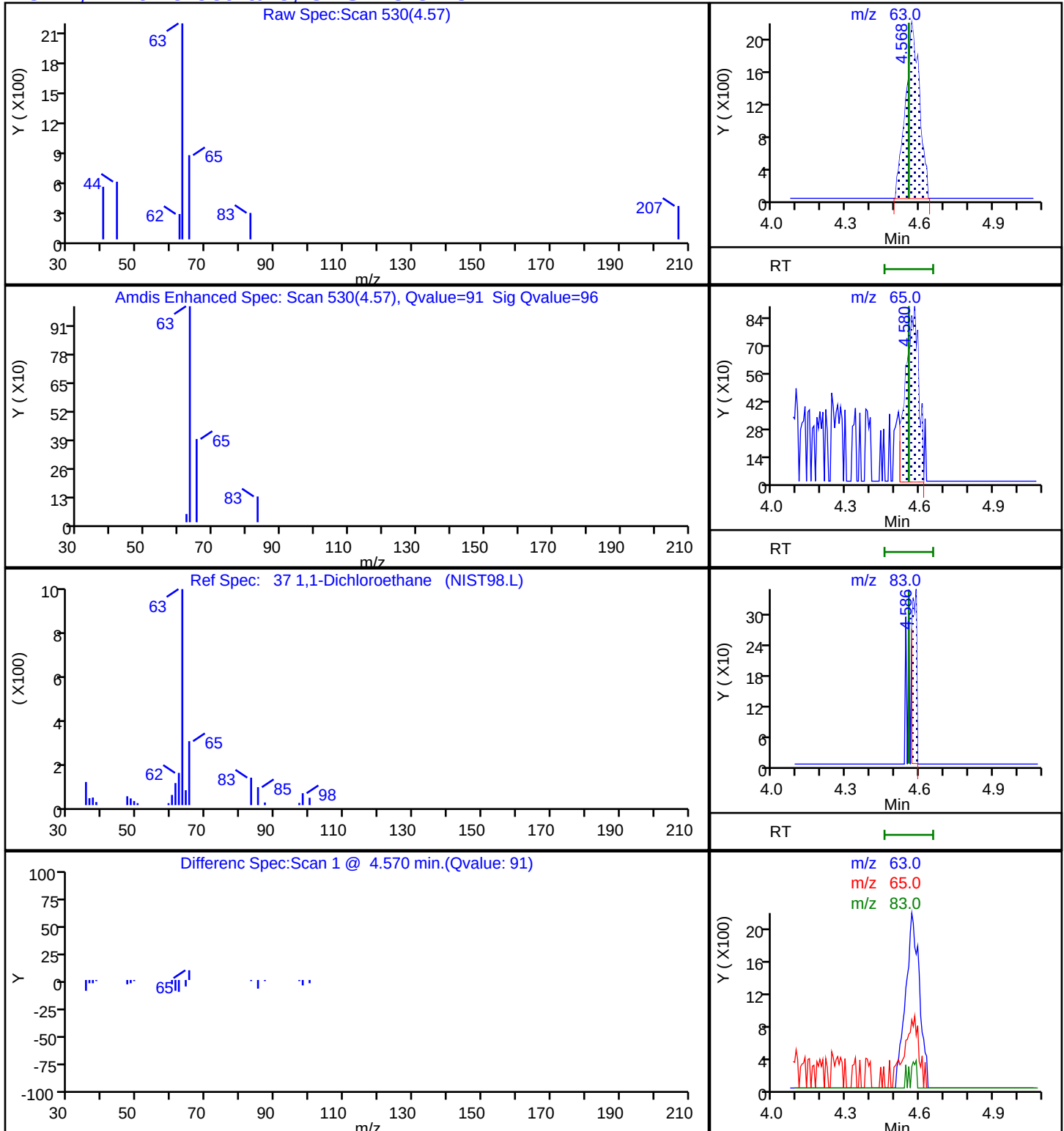
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID) x 100m

MS Quad

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

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X21.D

Injection Date: 04-Dec-2024 18:39:30

Instrument ID: 16334

Lims ID: 410-198585-A-6

Lab Sample ID: 410-198585-6

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

Operator ID: knk41612

ALS Bottle#: 21

Worklist Smp#: 22

Purge Vol: 25.000 mL

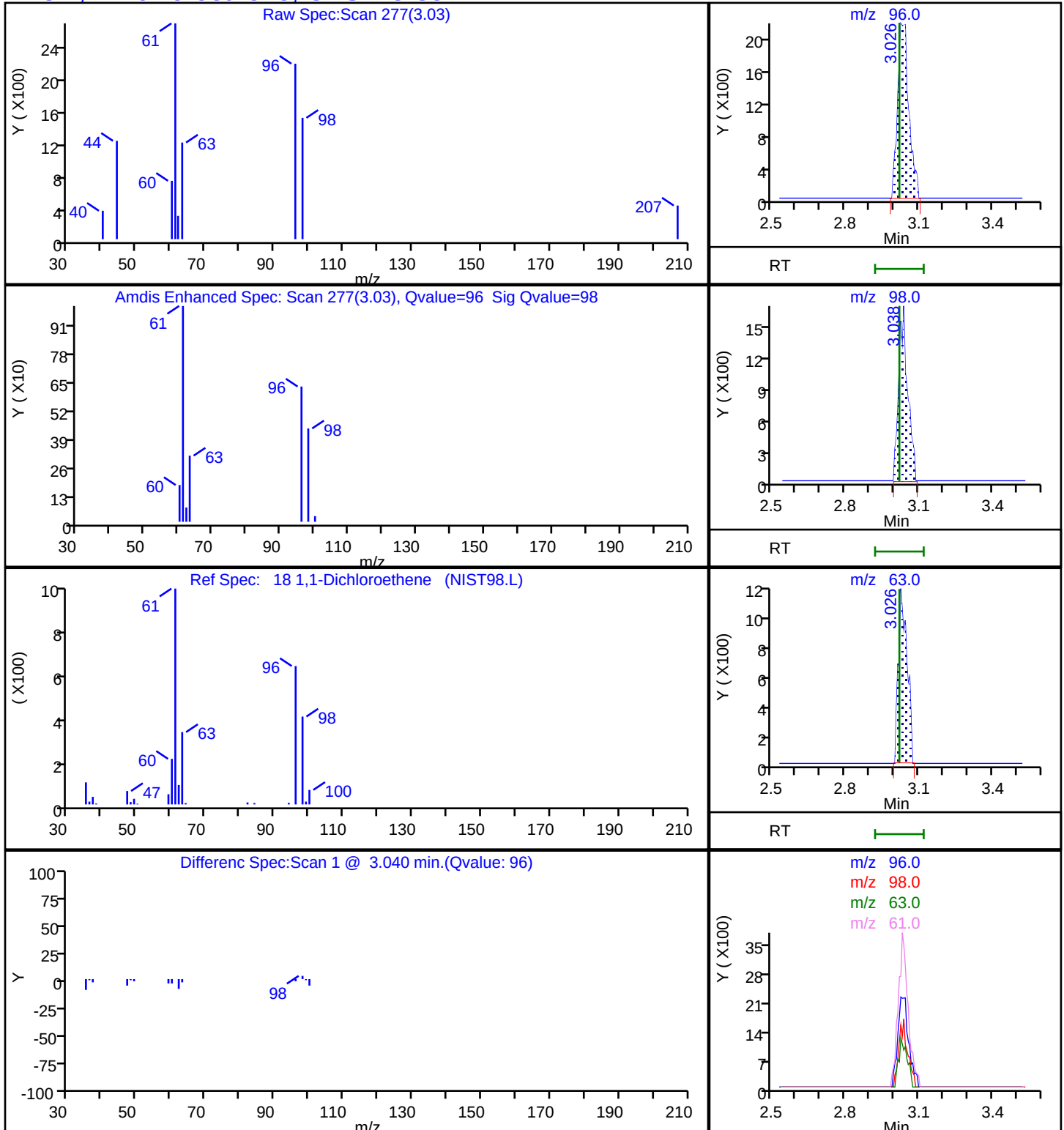
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

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

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X21.D

Injection Date: 04-Dec-2024 18:39:30

Instrument ID: 16334

Lims ID: 410-198585-A-6

Lab Sample ID: 410-198585-6

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

Operator ID: knk41612

ALS Bottle#: 21

Worklist Smp#: 22

Purge Vol: 25.000 mL

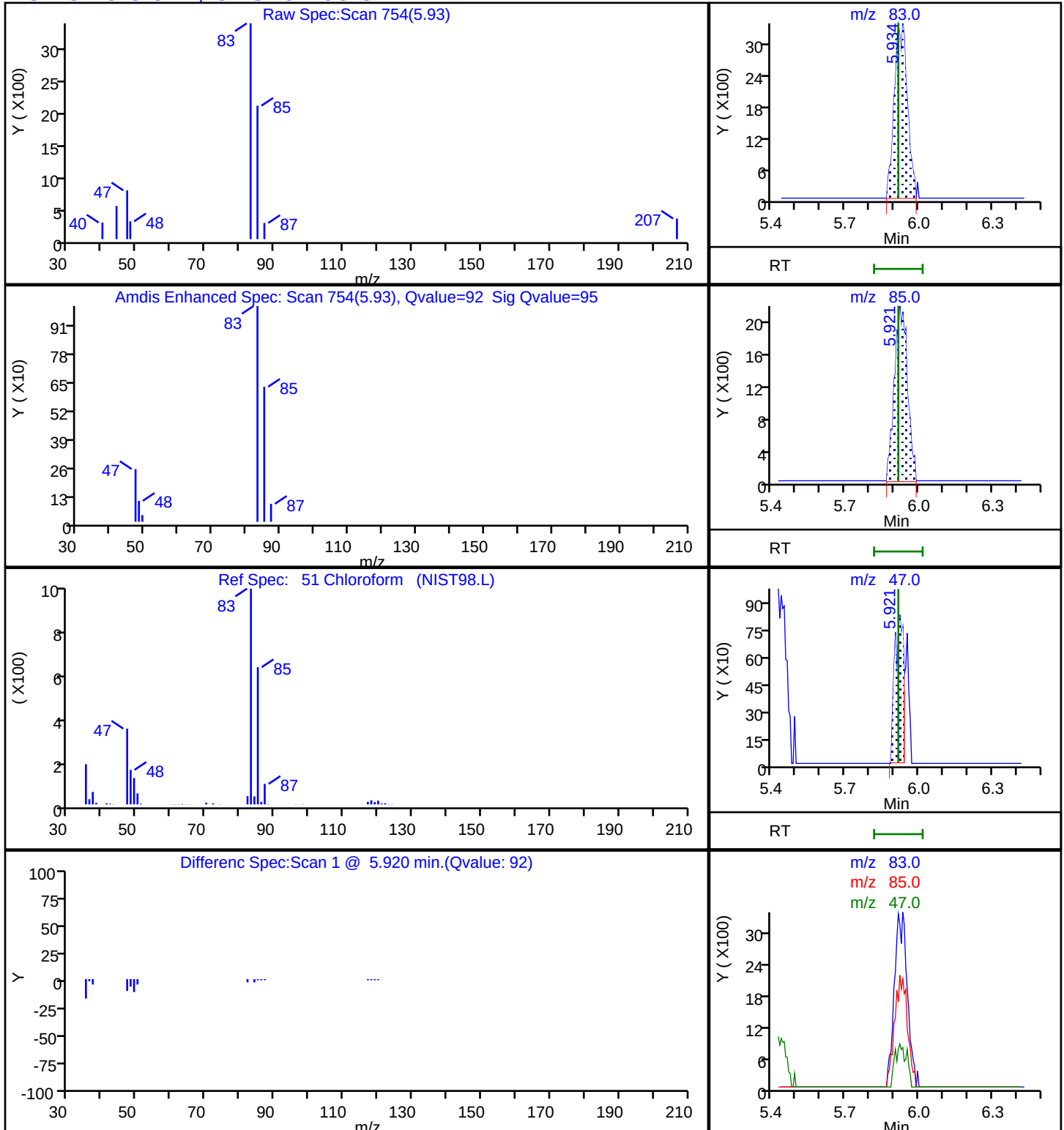
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID) x 150m

MS Quad

51 Chloroform, CAS: 67-66-3

Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X21.D

Injection Date: 04-Dec-2024 18:39:30

Instrument ID: 16334

Lims ID: 410-198585-A-6

Lab Sample ID: 410-198585-6

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

Operator ID: knk41612

ALS Bottle#: 21

Worklist Smp#: 22

Purge Vol: 25.000 mL

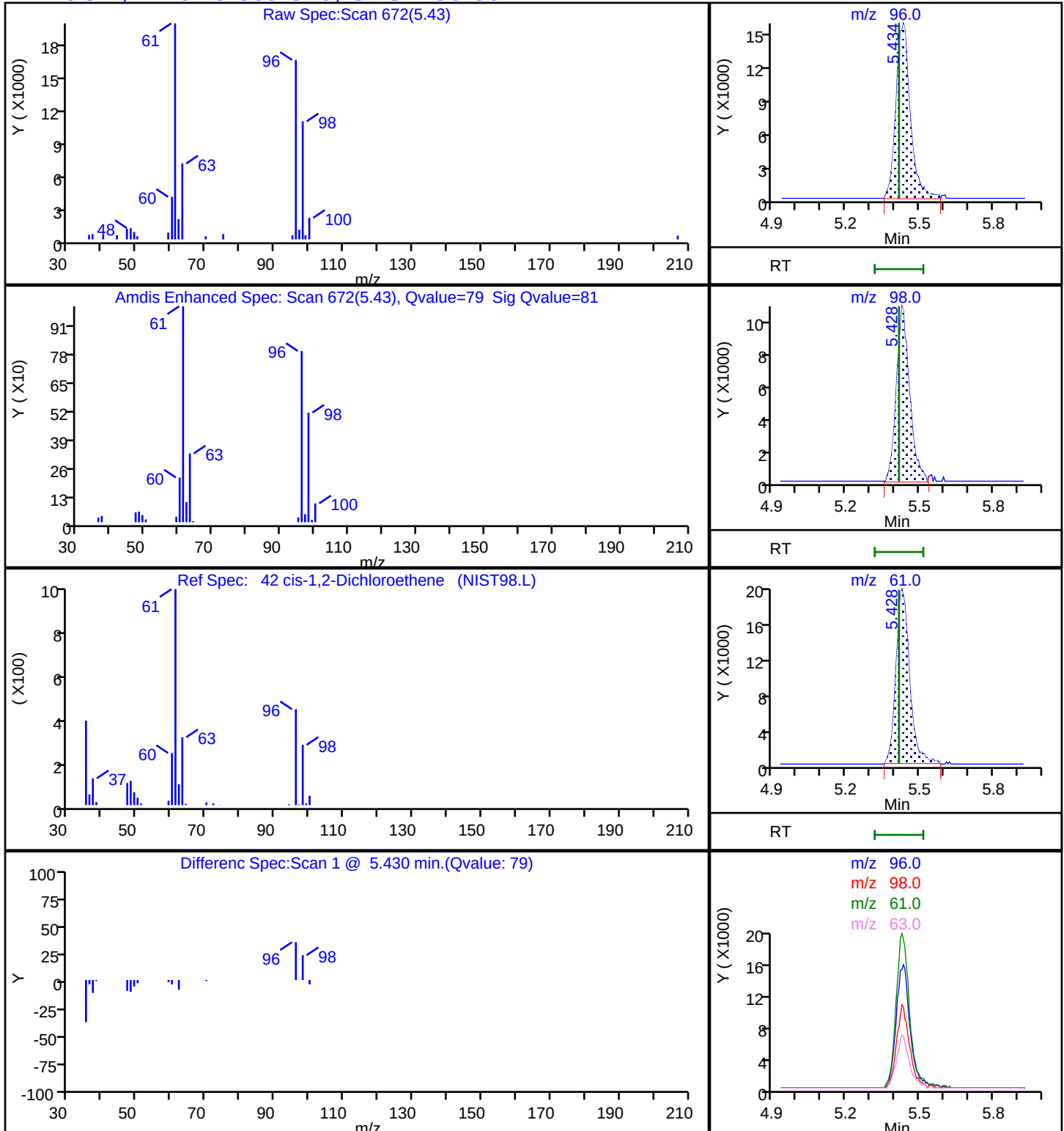
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

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

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X21.D

Injection Date: 04-Dec-2024 18:39:30

Instrument ID: 16334

Lims ID: 410-198585-A-6

Lab Sample ID: 410-198585-6

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

Operator ID: knk41612

ALS Bottle#: 21

Worklist Smp#: 22

Purge Vol: 25.000 mL

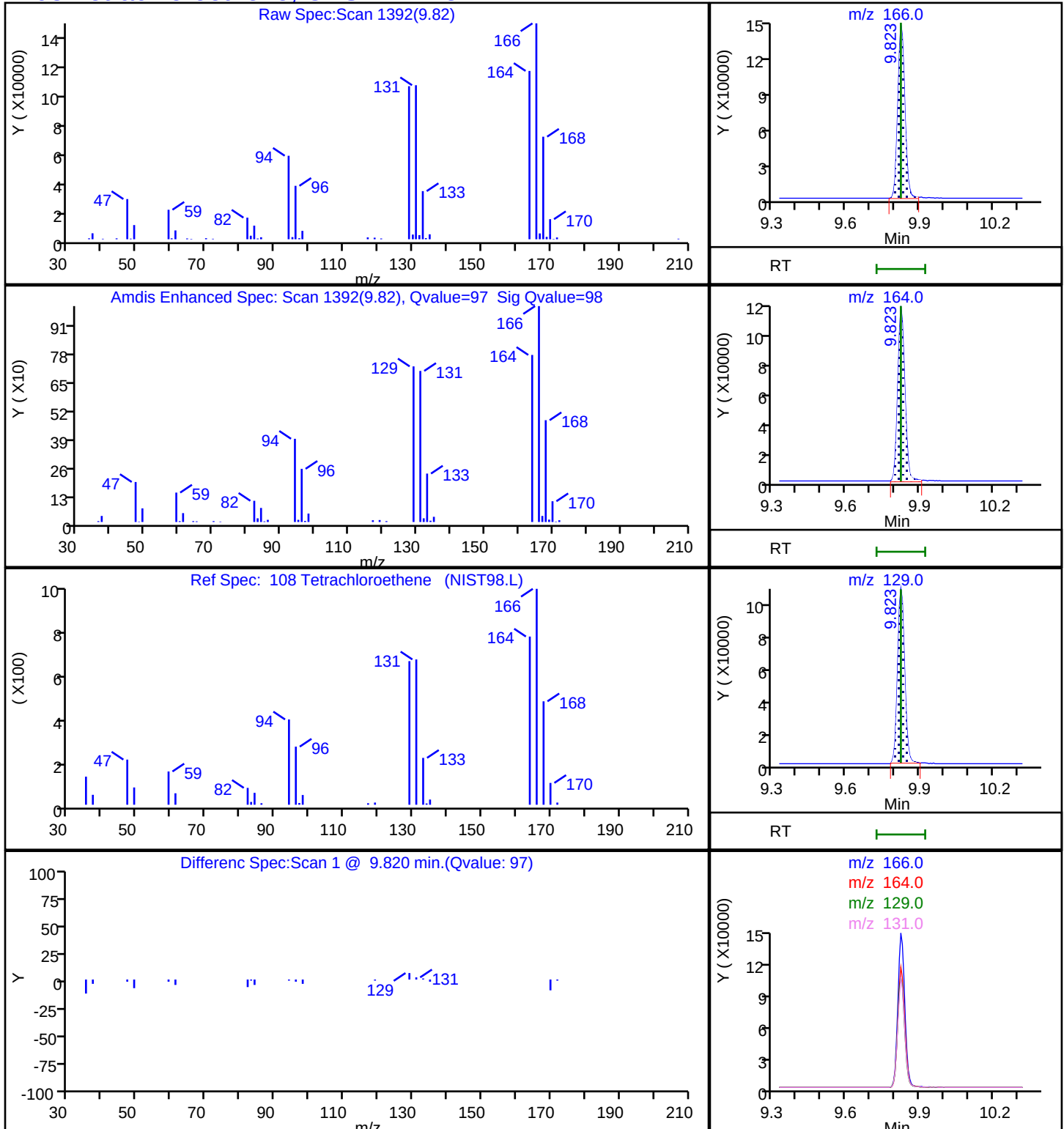
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

108 Tetrachloroethene, CAS: 127-18-4

Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X21.D

Injection Date: 04-Dec-2024 18:39:30

Instrument ID: 16334

Lims ID: 410-198585-A-6

Lab Sample ID: 410-198585-6

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

Operator ID: knk41612

ALS Bottle#: 21

Worklist Smp#: 22

Purge Vol: 25.000 mL

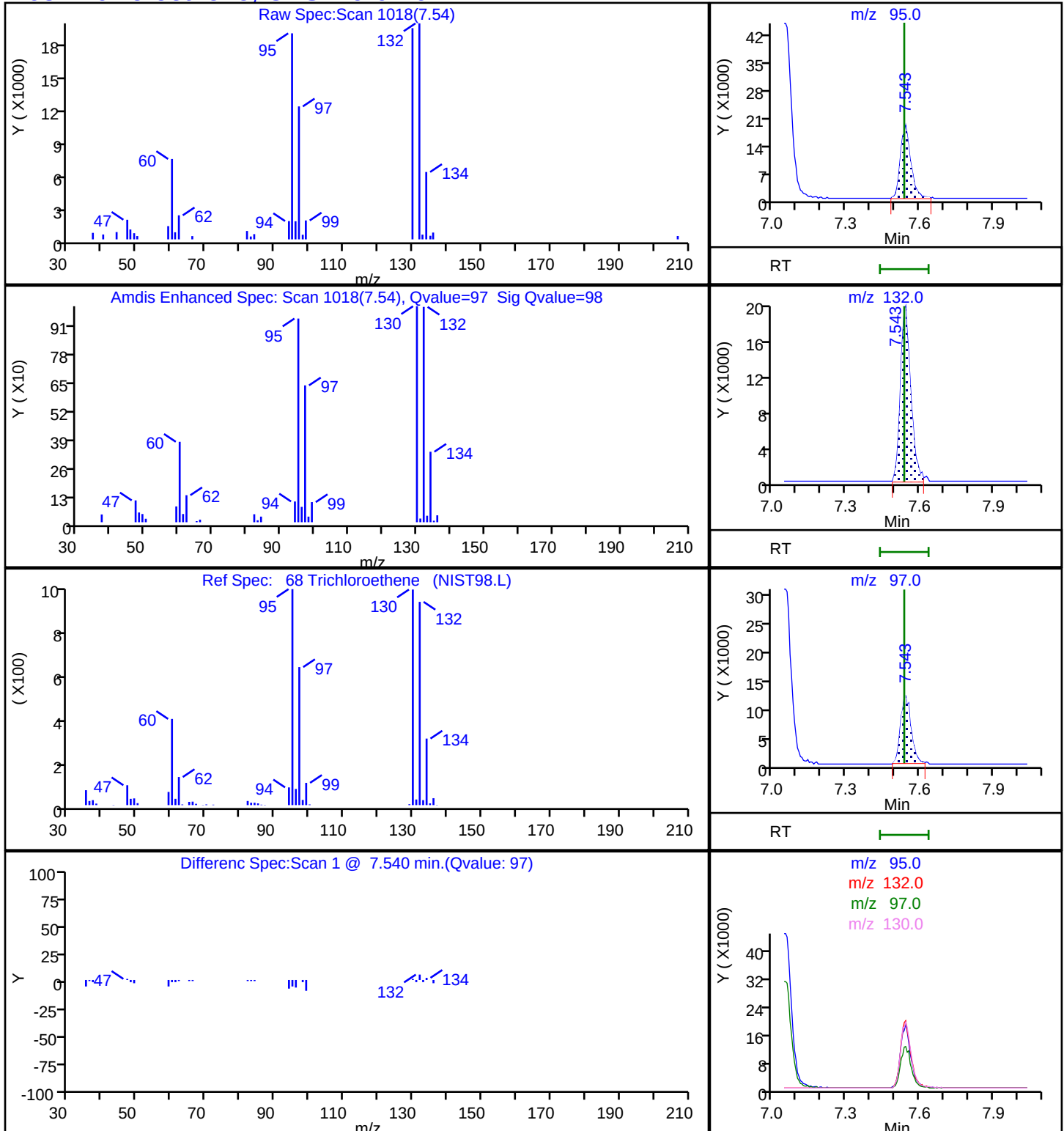
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID) x 30m

MS Quad

68 Trichloroethene, CAS: 79-01-6

Eurofins Lancaster Laboratories Environment Testing, LLC

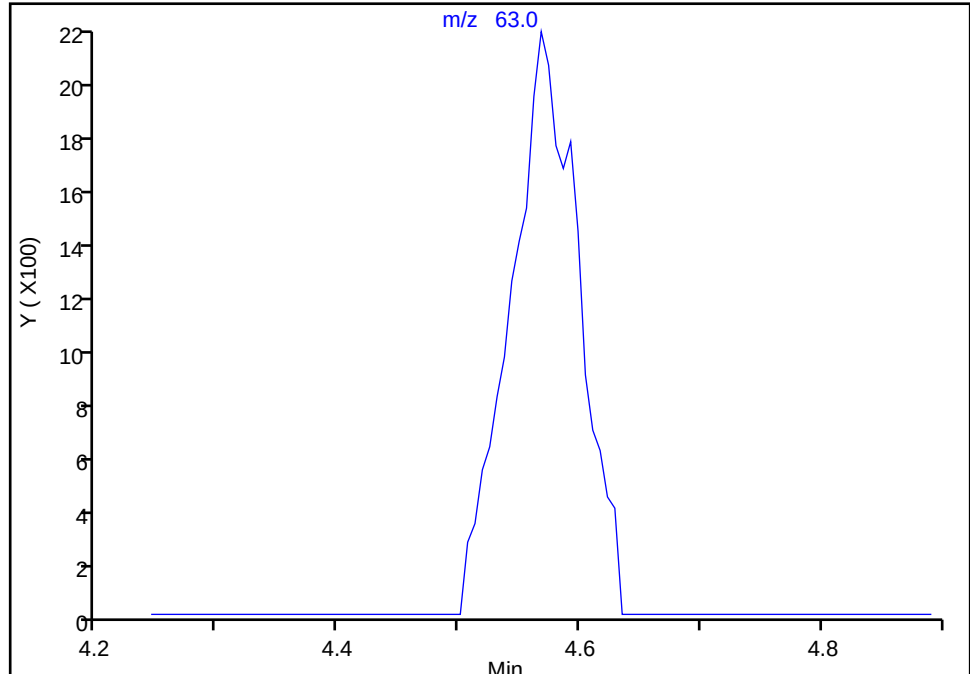
Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X21.D
Injection Date: 04-Dec-2024 18:39:30 Instrument ID: 16334
Lims ID: 410-198585-A-6 Lab Sample ID: 410-198585-6
Client ID: HD-COD-SW-15-0/1-0
Operator ID: knk41612 ALS Bottle#: 21 Worklist Smp#: 22
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

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

Signal: 1

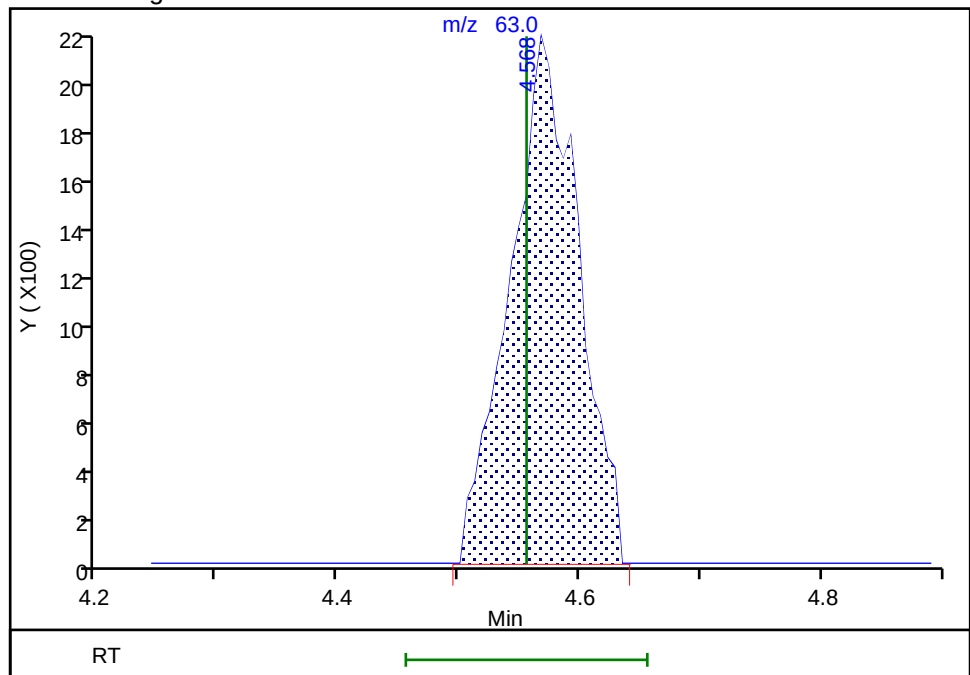
Not Detected
Expected RT: 4.56

Processing Integration Results



RT: 4.57
Area: 8587
Amount: 0.114444
Amount Units: ug/l

Manual Integration Results



Reviewer: FQ4L, 06-Dec-2024 07:26:20 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.: 410-198585-1

SDG No.:

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

Lab Sample ID: 410-198585-7

Matrix: Water

Lab File ID: GD04X14.D

Analysis Method: 8260D

Date Collected: 11/25/2024 10:00

Sample wt/vol: 25 (mL)

Date Analyzed: 12/04/2024 16:05

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 581981

Units: ug/L

Preparation Batch No.:

Instrument ID: 16334

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	0.17	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	15		5.0	1.5
71-43-2	Benzene	ND		0.50	0.10
74-97-5	Bromochloromethane	ND		0.50	0.080
75-27-4	Bromodichloromethane	ND		0.50	0.080
75-25-2	Bromoform	ND		1.0	0.30
74-83-9	Bromomethane	ND		0.50	0.10
75-15-0	Carbon disulfide	ND		1.0	0.10
56-23-5	Carbon tetrachloride	ND		0.50	0.10
108-90-7	Chlorobenzene	ND		0.50	0.070
75-00-3	Chloroethane	ND		0.50	0.10
67-66-3	Chloroform	0.11	J	0.50	0.090
74-87-3	Chloromethane	ND		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	0.22	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	2.7		0.50	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC	Job No.: 410-198585-1
SDG No.:	
Client Sample ID: HD-COD-SW-16-0/1-0	Lab Sample ID: 410-198585-7
Matrix: Water	Lab File ID: GD04X14.D
Analysis Method: 8260D	Date Collected: 11/25/2024 10:00
Sample wt/vol: 25 (mL)	Date Analyzed: 12/04/2024 16:05
Soil Aliquot Vol:	Dilution Factor: 1
Soil Extract Vol.:	GC Column: R-624SilMS 30m ID: 0.25 (mm)
Purge Volume: 25.0 (mL)	Heated Purge: (Y/N) N pH:
% Moisture: % Solids:	Level: (low/med) Low
Analysis Batch No.: 581981	Units: ug/L
Preparation Batch No.:	Instrument ID: 16334

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	0.37	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)	99		80-120
1868-53-7	Dibromofluoromethane (Surr)	100		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\20241204-132342.b\GD04X14.D
 Lims ID: 410-198585-A-7
 Client ID: HD-COD-SW-16-0/1-0
 Sample Type: Client
 Inject. Date: 04-Dec-2024 16:05:30 ALS Bottle#: 14 Worklist Smp#: 15
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0132342-015
 Operator ID: knk41612 Instrument ID: 16334
 Method: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\MSV_16334_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 10-Dec-2024 07:13:41 Calib Date: 03-Dec-2024 18:18:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1605

First Level Reviewer: FQ4L

Date: 10-Dec-2024 07:15:14

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50		1.873				ND	
6 Vinyl chloride	62		1.977				ND	7
9 Bromomethane	94		2.264				ND	
10 Chloroethane	64		2.300				ND	
18 1,1-Dichloroethene	96		3.020				ND	7
19 Acetone	43	3.068	3.050	0.018	99	63523	14.6	
24 Carbon disulfide	76	3.282	3.269	0.013	100	15586	0.0906	
29 Methylene Chloride	84		3.574				ND	
* 30 t-Butyl alcohol-d10 (IS)	65	3.629	3.617	0.012	21	75829	50.0	
34 trans-1,2-Dichloroethene	96		3.928				ND	
33 Methyl tert-butyl ether	73		3.928				ND	
37 1,1-Dichloroethane	63		4.556				ND	
41 2-Butanone (MEK)	43		5.391				ND	
42 cis-1,2-Dichloroethene	96	5.434	5.415	0.019	78	13128	0.2177	
49 Chlorobromomethane	128		5.751				ND	
51 Chloroform	83	5.927	5.915	0.012	92	11012	0.1124	
\$ 52 Dibromofluoromethane (Surr)	113	6.141	6.135	0.006	93	489544	9.97	
53 1,1,1-Trichloroethane	97	6.147	6.141	0.006	41	14630	0.1686	
55 Carbon tetrachloride	117		6.354				ND	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.598	6.592	0.006	66	94203	10.1	
60 Benzene	78		6.622				ND	7
61 1,2-Dichloroethane	62		6.696				ND	
* 64 Fluorobenzene (IS)	96	7.049	7.043	0.006	99	2080121	10.0	
68 Trichloroethene	95	7.549	7.531	0.018	98	22132	0.3730	
70 1,2-Dichloropropane	63		7.866				ND	
76 Dichlorobromomethane	83		8.226				ND	7
81 cis-1,3-Dichloropropene	75		8.799				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.006				ND	7
\$ 83 Toluene-d8 (Surr)	98	9.140	9.134	0.006	93	2063822	9.92	
84 Toluene	92	9.226	9.220	0.006	97	4787	0.0331	
85 trans-1,3-Dichloropropene	75		9.518				ND	
107 1,1,2-Trichloroethane	97		9.732				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
108 Tetrachloroethene	166	9.823	9.823	0.000	97	177318	2.72	
110 2-Hexanone	43		9.988				ND	
112 Chlorodibromomethane	129		10.134				ND	
113 Ethylene Dibromide	107		10.244				ND	
* 114 Chlorobenzene-d5 (IS)	117	10.707	10.707	0.000	86	1498659	10.0	
116 Chlorobenzene	112		10.731				ND	
117 1,1,1,2-Tetrachloroethane	131		10.823				ND	
118 Ethylbenzene	91		10.829				ND	7
120 m-Xylene & p-Xylene	106		10.951				ND	7
S 119 Xylenes, Total	106		11.245				ND	7
121 o-Xylene	106		11.292				ND	7
122 Styrene	104		11.304				ND	
123 Bromoform	173		11.457				ND	
\$ 127 4-Bromofluorobenzene (Surr)	95	11.743	11.743	0.000	89	709322	9.87	
128 1,1,2,2-Tetrachloroethane	83		11.859				ND	
* 142 1,4-Dichlorobenzene-d4	152	12.640	12.640	0.000	95	794207	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

MSV_29_826ISS_00057

Amount Added: 1.20

Units: uL

Run Reagent

Report Date: 10-Dec-2024 07:15:14

Chrom Revision: 2.3 12-Nov-2024 16:55:22

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X14.D

Injection Date: 04-Dec-2024 16:05:30

Instrument ID: 16334

Operator ID: knk41612

Lims ID: 410-198585-A-7

Lab Sample ID: 410-198585-7

Worklist Smp#: 15

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

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

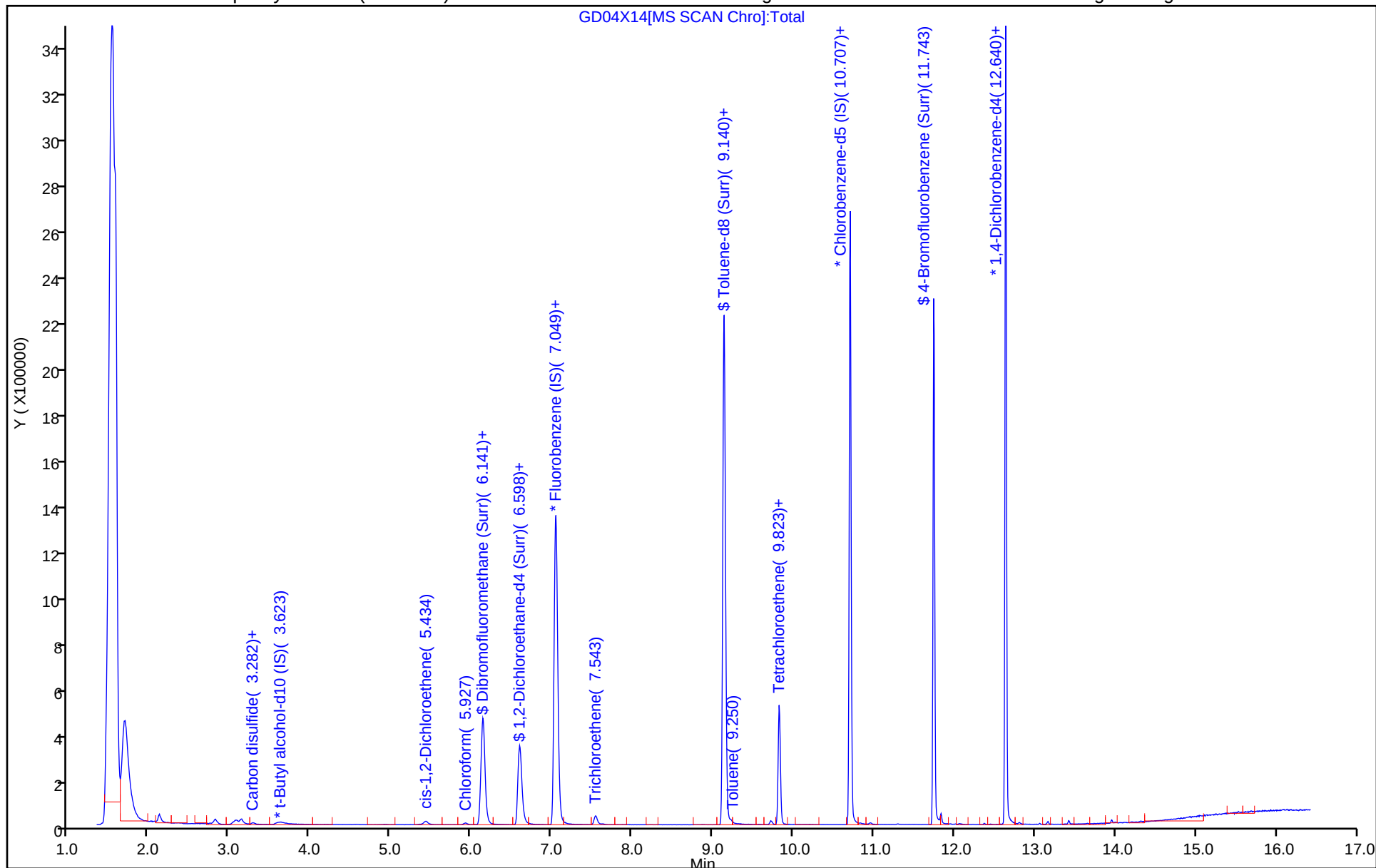
ALS Bottle#: 14

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X14.D
Lims ID: 410-198585-A-7
Client ID: HD-COD-SW-16-0/1-0
Sample Type: Client
Inject. Date: 04-Dec-2024 16:05:30 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0132342-015
Operator ID: knk41612 Instrument ID: 16334
Method: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 10-Dec-2024 07:13:41 Calib Date: 03-Dec-2024 18:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X18.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1605

First Level Reviewer: FQ4L

Date: 10-Dec-2024 07:15:14

Compound	Amount Added	Amount Recovered	% Rec.
\$ 52 Dibromofluoromethane (Surr)	10.0	9.97	99.75
\$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.1	100.61
\$ 83 Toluene-d8 (Surr)	10.0	9.92	99.22
\$ 127 4-Bromofluorobenzene (Surr)	10.0	9.87	98.74

Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X14.D

Injection Date: 04-Dec-2024 16:05:30

Instrument ID: 16334

Lims ID: 410-198585-A-7

Lab Sample ID: 410-198585-7

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

Operator ID: knk41612

ALS Bottle#: 14

Worklist Smp#: 15

Purge Vol: 25.000 mL

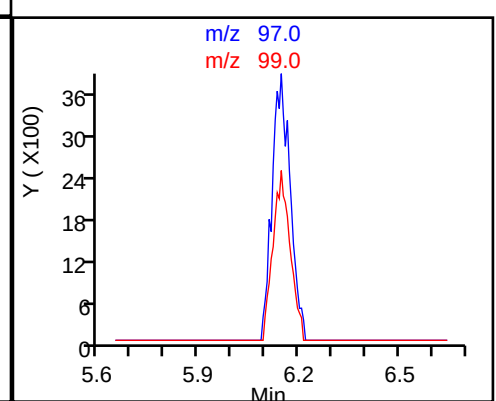
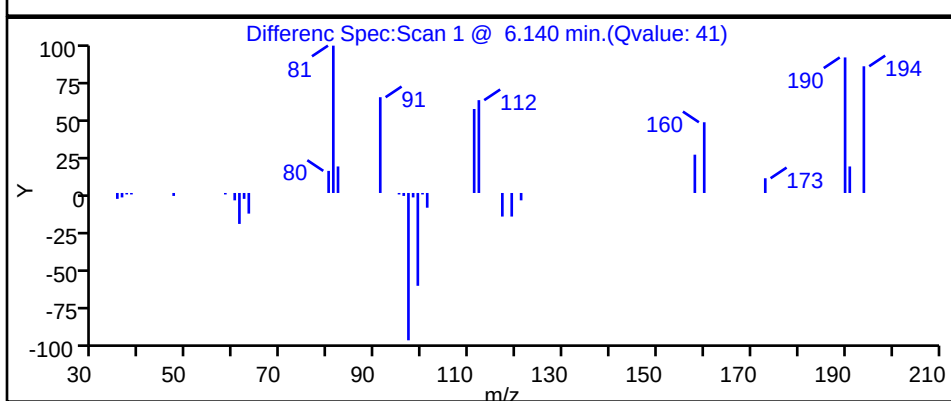
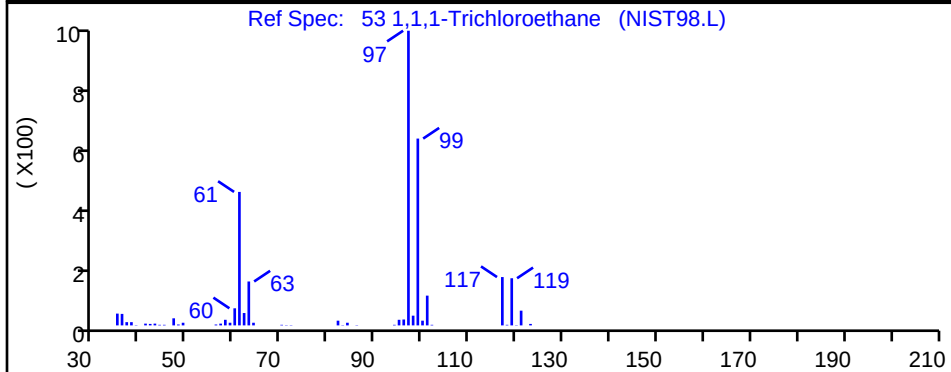
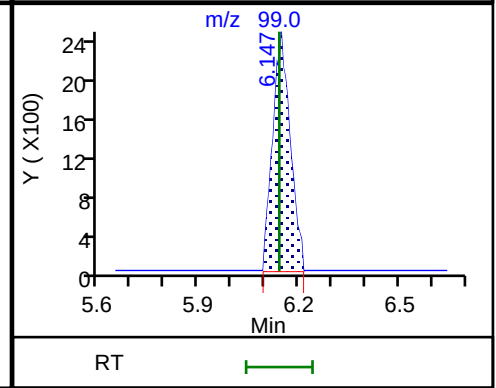
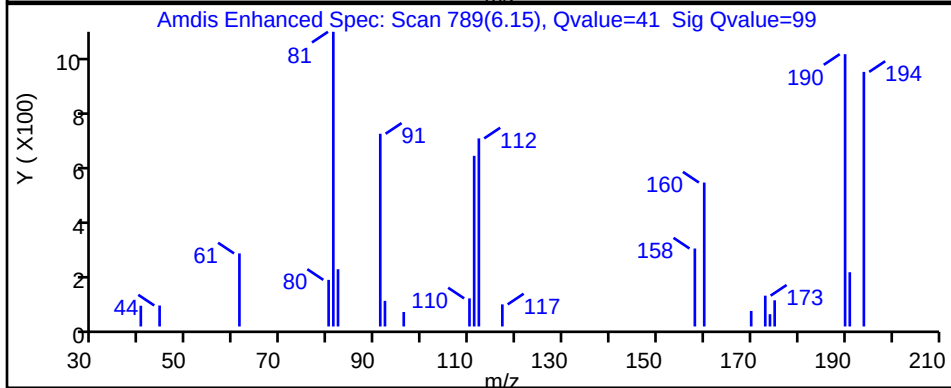
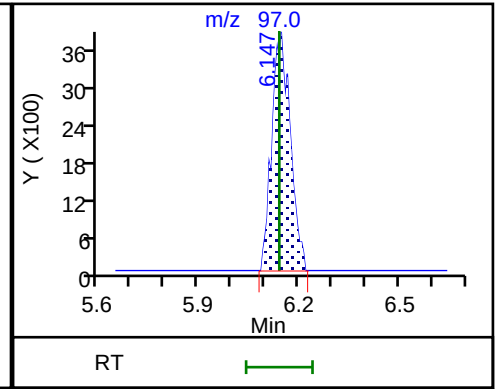
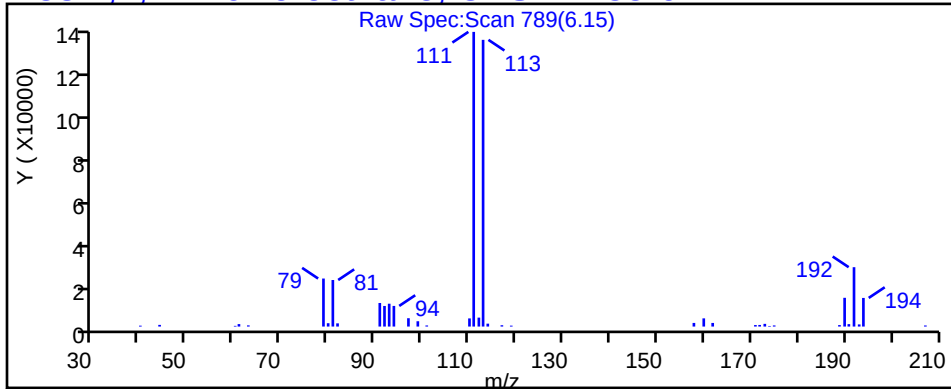
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

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

Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X14.D

Injection Date: 04-Dec-2024 16:05:30

Instrument ID: 16334

Lims ID: 410-198585-A-7

Lab Sample ID: 410-198585-7

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

Operator ID: knk41612

ALS Bottle#: 14

Worklist Smp#: 15

Purge Vol: 25.000 mL

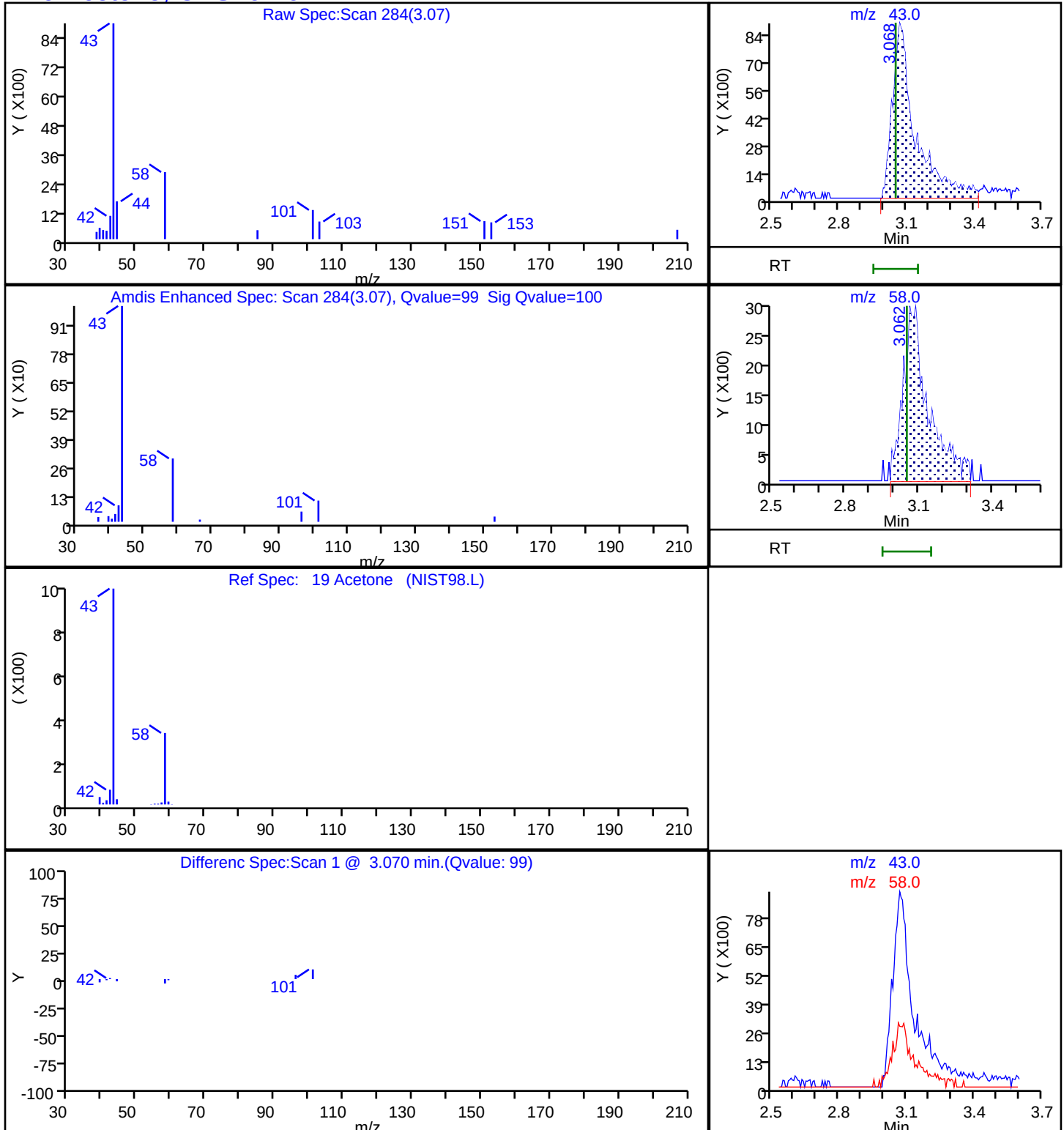
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

19 Acetone, CAS: 67-64-1

Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X14.D

Injection Date: 04-Dec-2024 16:05:30

Instrument ID: 16334

Lims ID: 410-198585-A-7

Lab Sample ID: 410-198585-7

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

Operator ID: knk41612

ALS Bottle#: 14

Worklist Smp#: 15

Purge Vol: 25.000 mL

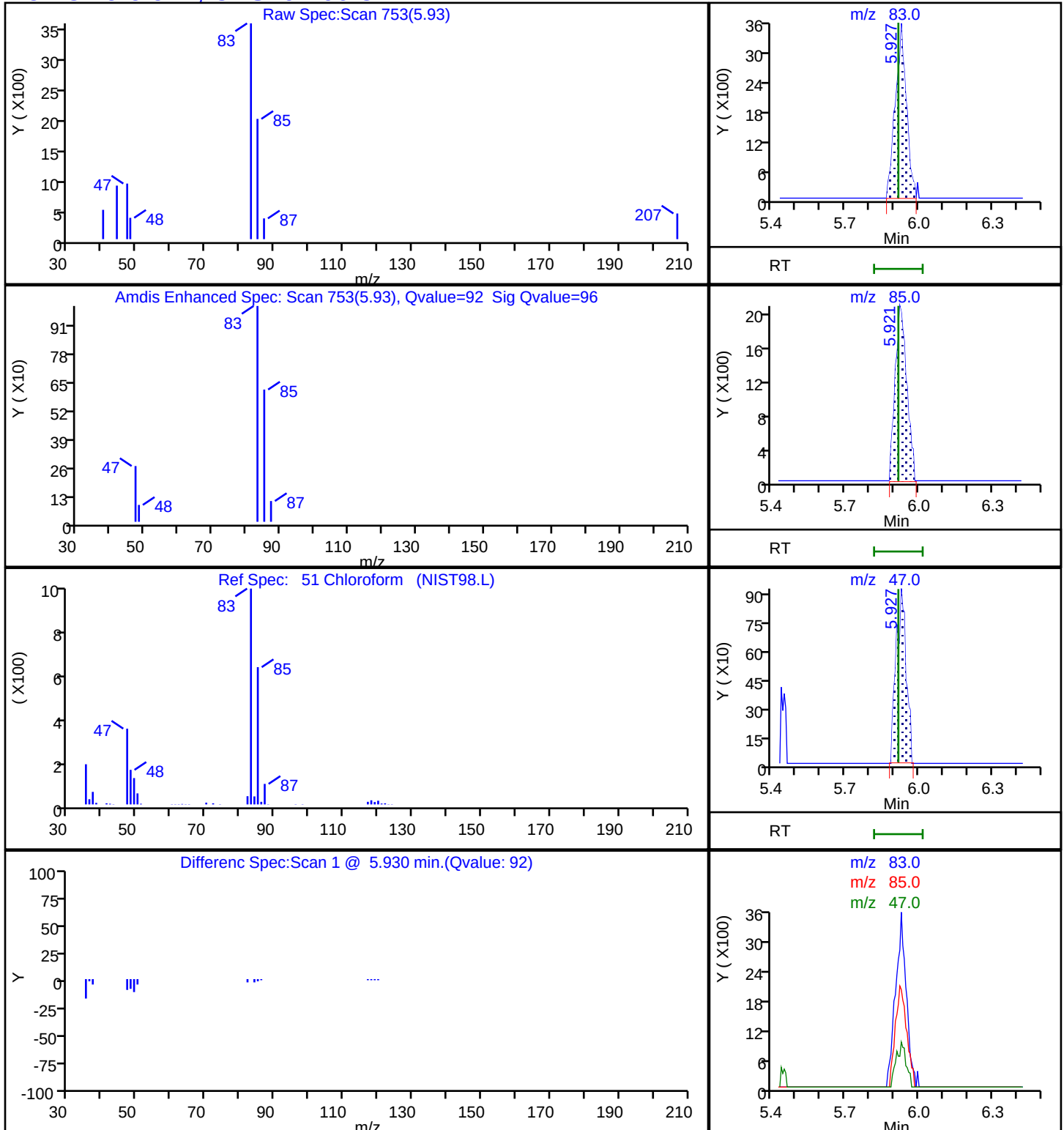
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

51 Chloroform, CAS: 67-66-3

Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X14.D

Injection Date: 04-Dec-2024 16:05:30

Instrument ID: 16334

Lims ID: 410-198585-A-7

Lab Sample ID: 410-198585-7

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

Operator ID: knk41612

ALS Bottle#: 14

Worklist Smp#: 15

Purge Vol: 25.000 mL

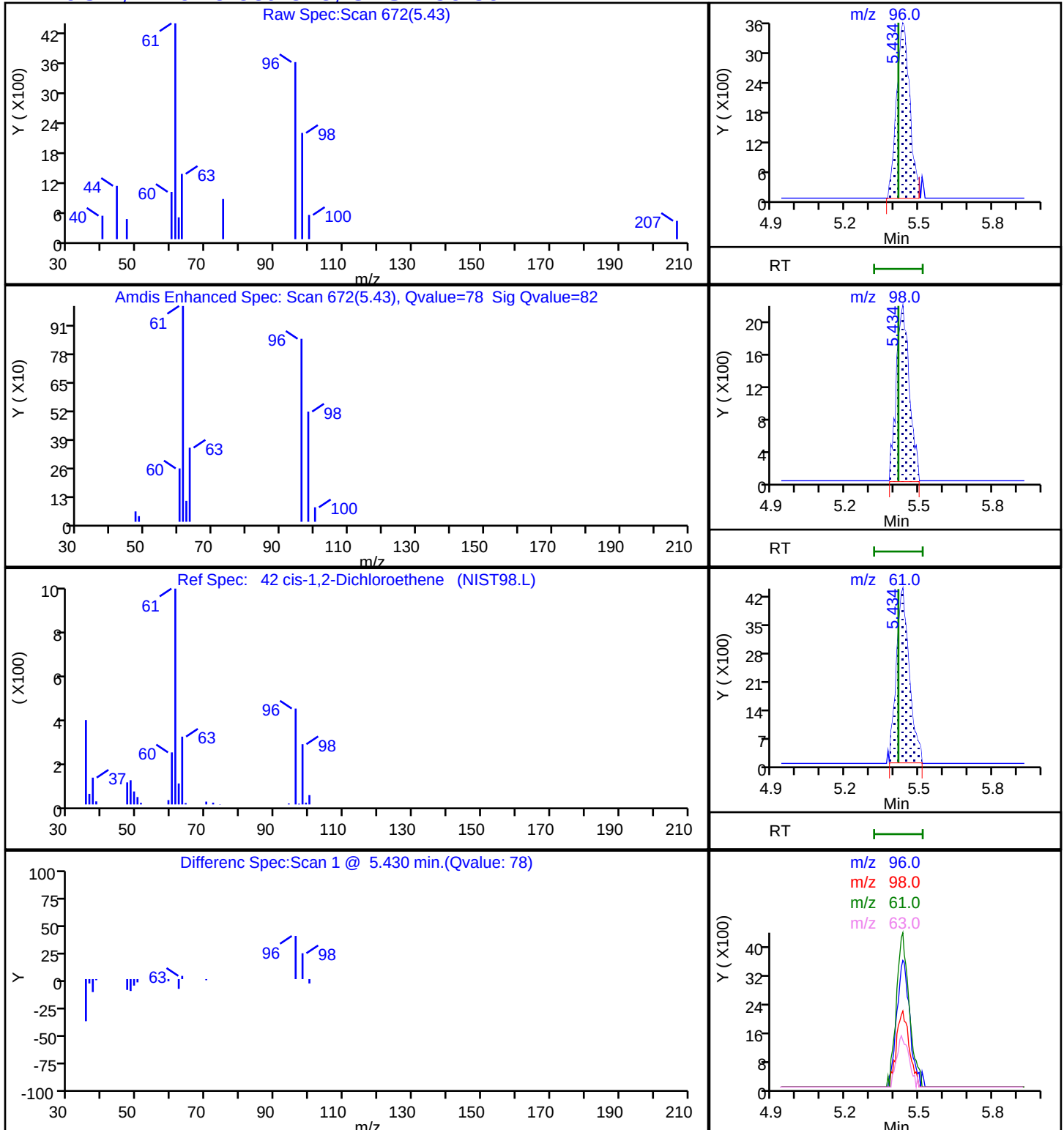
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

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

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X14.D

Injection Date: 04-Dec-2024 16:05:30

Instrument ID: 16334

Lims ID: 410-198585-A-7

Lab Sample ID: 410-198585-7

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

Operator ID: knk41612

ALS Bottle#: 14

Worklist Smp#: 15

Purge Vol: 25.000 mL

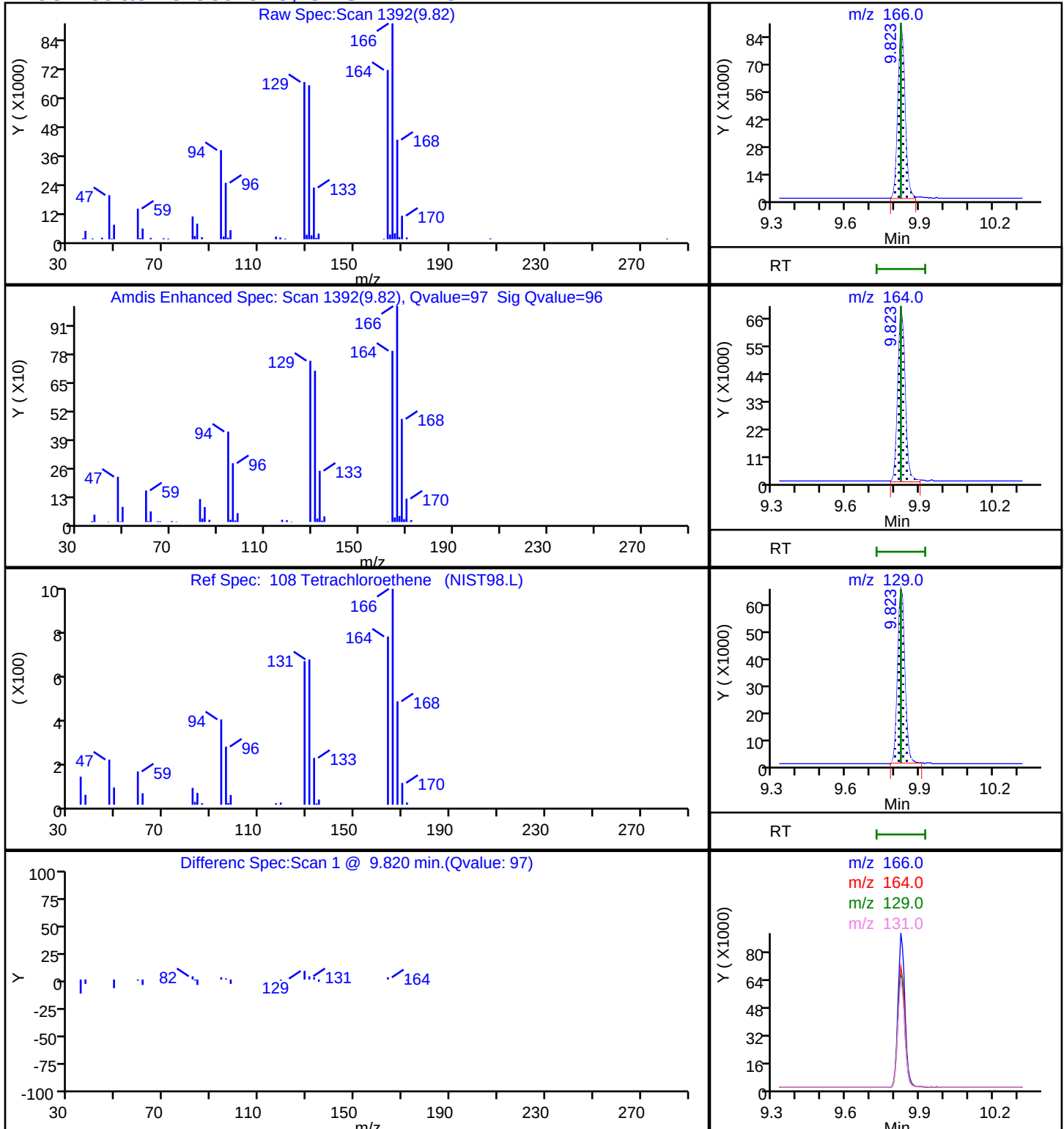
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

108 Tetrachloroethene, CAS: 127-18-4

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X14.D

Injection Date: 04-Dec-2024 16:05:30

Instrument ID: 16334

Lims ID: 410-198585-A-7

Lab Sample ID: 410-198585-7

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

Operator ID: knk41612

ALS Bottle#: 14

Worklist Smp#: 15

Purge Vol: 25.000 mL

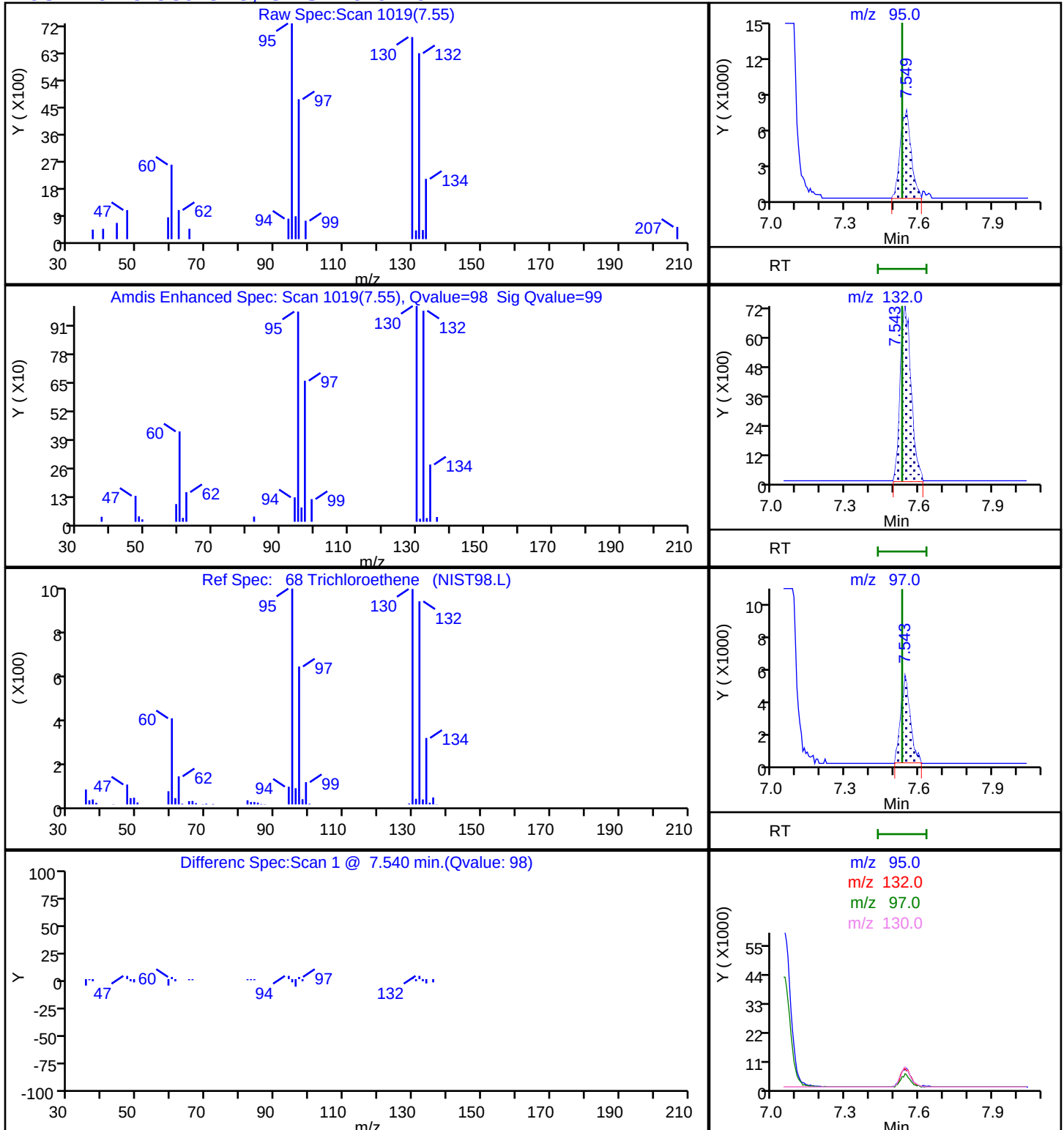
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID) x 30m

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.: 410-198585-1

SDG No.:

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

Lab Sample ID: 410-198585-8

Matrix: Water

Lab File ID: GD04X15.D

Analysis Method: 8260D

Date Collected: 11/25/2024 10:15

Sample wt/vol: 25 (mL)

Date Analyzed: 12/04/2024 16:27

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 581981

Units: ug/L

Preparation Batch No.:

Instrument ID: 16334

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	14		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	2.3		0.50	0.10
75-35-4	1,1-Dichloroethene	1.1		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	0.18	J	0.50	0.090
74-87-3	Chloromethane	ND		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	3.4		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
108-88-3	Toluene	ND		0.50	0.080

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-198585-1

SDG No.:

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

Lab Sample ID: 410-198585-8

Matrix: Water

Lab File ID: GD04X15.D

Analysis Method: 8260D

Date Collected: 11/25/2024 10:15

Sample wt/vol: 25 (mL)

Date Analyzed: 12/04/2024 16:27

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 581981

Units: ug/L

Preparation Batch No.:

Instrument ID: 16334

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	7.0		0.50	0.080
75-01-4	Vinyl chloride	ND		0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		80-120
460-00-4	4-Bromofluorobenzene (Surr)	97		80-120
1868-53-7	Dibromofluoromethane (Surr)	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\20241204-132342.b\GD04X15.D
 Lims ID: 410-198585-A-8
 Client ID: HD-COD-SW-17-0/1-0
 Sample Type: Client
 Inject. Date: 04-Dec-2024 16:27:30 ALS Bottle#: 15 Worklist Smp#: 16
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0132342-016
 Operator ID: knk41612 Instrument ID: 16334
 Method: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\MSV_16334_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 10-Dec-2024 07:16:03 Calib Date: 03-Dec-2024 18:18:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1605

First Level Reviewer: FQ4L

Date: 10-Dec-2024 07:16:03

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50		1.873				ND	
6 Vinyl chloride	62		1.977				ND	7
9 Bromomethane	94		2.264				ND	
10 Chloroethane	64		2.300				ND	
18 1,1-Dichloroethene	96	3.019	3.020	-0.001	97	47929	1.10	
19 Acetone	43		3.050				ND	
24 Carbon disulfide	76		3.269				ND	
29 Methylene Chloride	84		3.574				ND	7
* 30 t-Butyl alcohol-d10 (IS)	65	3.623	3.617	0.006	27	73093	50.0	
34 trans-1,2-Dichloroethene	96		3.928				ND	7
33 Methyl tert-butyl ether	73		3.928				ND	7
37 1,1-Dichloroethane	63	4.556	4.556	0.000	96	213413	2.31	
41 2-Butanone (MEK)	43		5.391				ND	
42 cis-1,2-Dichloroethene	96	5.421	5.415	0.006	79	188910	3.38	
49 Chlorobromomethane	128		5.751				ND	
51 Chloroform	83	5.915	5.915	0.000	92	16261	0.1792	
\$ 52 Dibromofluoromethane (Surr)	113	6.135	6.135	0.000	92	458744	10.1	
53 1,1,1-Trichloroethane	97	6.141	6.141	0.000	98	1150008	14.3	
55 Carbon tetrachloride	117		6.354				ND	7
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.598	6.592	0.006	66	86394	9.96	
60 Benzene	78		6.622				ND	7
61 1,2-Dichloroethane	62		6.696				ND	
* 64 Fluorobenzene (IS)	96	7.043	7.043	0.000	99	1926454	10.0	
68 Trichloroethene	95	7.537	7.531	0.006	99	384616	7.00	
70 1,2-Dichloropropane	63		7.866				ND	
76 Dichlorobromomethane	83		8.226				ND	
81 cis-1,3-Dichloropropene	75		8.799				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.006				ND	
\$ 83 Toluene-d8 (Surr)	98	9.140	9.134	0.006	94	1920314	9.99	
84 Toluene	92	9.226	9.220	0.006	96	4467	0.0335	
85 trans-1,3-Dichloropropene	75		9.518				ND	
107 1,1,2-Trichloroethane	97		9.732				ND	U

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
108 Tetrachloroethene	166	9.823	9.823	0.000	96	13280699	220.4	E
110 2-Hexanone	43		9.988				ND	
112 Chlorodibromomethane	129		10.134				ND	
113 Ethylene Dibromide	107		10.244				ND	
* 114 Chlorobenzene-d5 (IS)	117	10.707	10.707	0.000	86	1385465	10.0	
116 Chlorobenzene	112	10.731	10.731	0.000	83	2729	0.0182	7a
117 1,1,1,2-Tetrachloroethane	131		10.823				ND	
118 Ethylbenzene	91		10.829				ND	7
120 m-Xylene & p-Xylene	106		10.951				ND	7
S 119 Xylenes, Total	106		11.245				ND	7
121 o-Xylene	106		11.292				ND	7
122 Styrene	104		11.304				ND	
123 Bromoform	173		11.457				ND	
\$ 127 4-Bromofluorobenzene (Surr)	95	11.743	11.743	0.000	89	643464	9.69	
128 1,1,2,2-Tetrachloroethane	83		11.859				ND	
* 142 1,4-Dichlorobenzene-d4	152	12.639	12.640	-0.001	95	727484	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_29_826ISS_00057

Amount Added: 1.20

Units: uL

Run Reagent

Report Date: 10-Dec-2024 07:16:03

Chrom Revision: 2.3 12-Nov-2024 16:55:22

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X15.D

Injection Date: 04-Dec-2024 16:27:30

Instrument ID: 16334

Operator ID: knk41612

Lims ID: 410-198585-A-8

Lab Sample ID: 410-198585-8

Worklist Smp#: 16

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

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

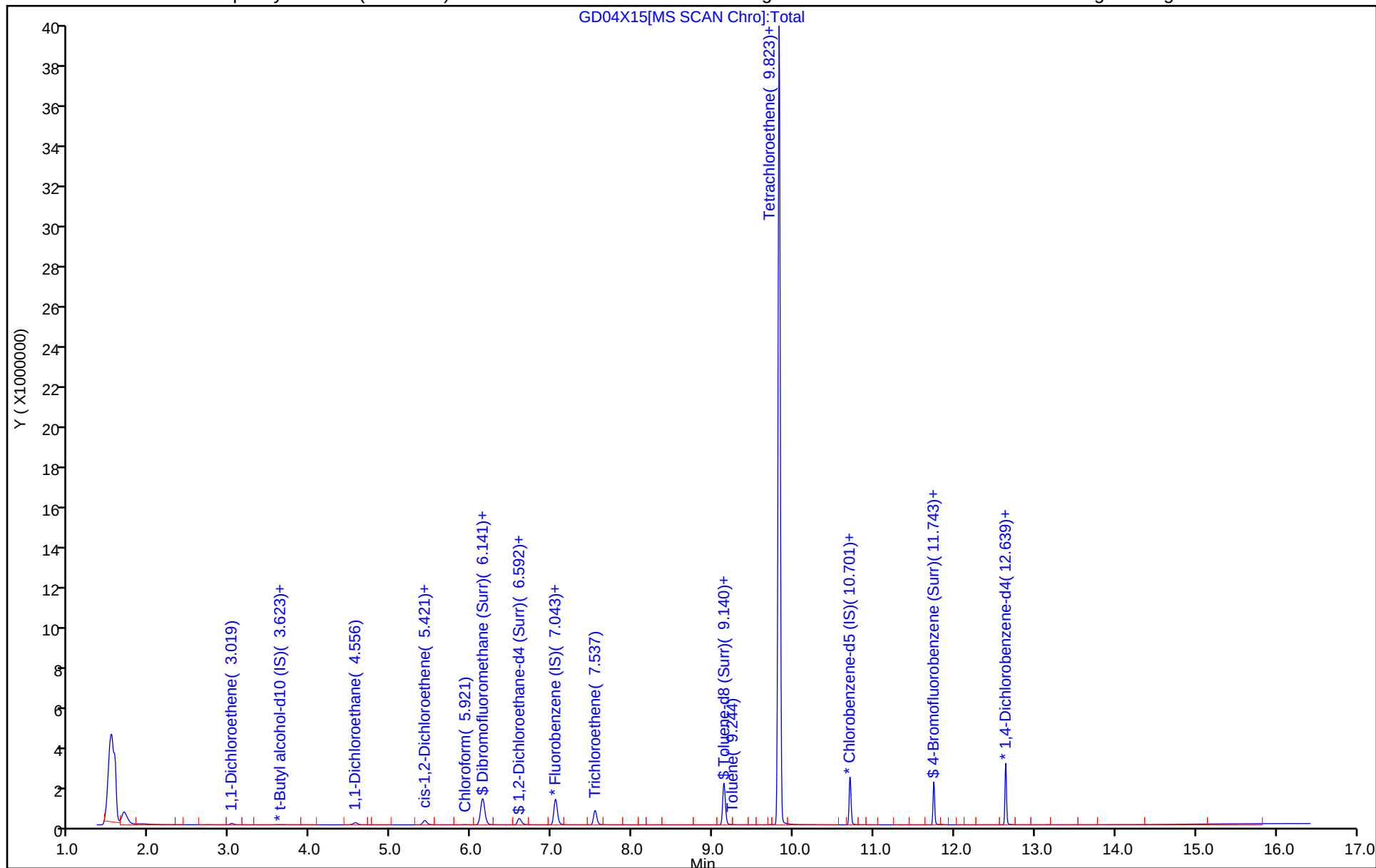
ALS Bottle#: 15

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
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X15.D
Lims ID: 410-198585-A-8
Client ID: HD-COD-SW-17-0/1-0
Sample Type: Client
Inject. Date: 04-Dec-2024 16:27:30 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0132342-016
Operator ID: knk41612 Instrument ID: 16334
Method: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 10-Dec-2024 07:16:03 Calib Date: 03-Dec-2024 18:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X18.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1605

First Level Reviewer: FQ4L

Date: 10-Dec-2024 07:16:03

Compound	Amount Added	Amount Recovered	% Rec.
\$ 52 Dibromofluoromethane (Surr)	10.0	10.1	100.93
\$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	9.96	99.63
\$ 83 Toluene-d8 (Surr)	10.0	9.99	99.86
\$ 127 4-Bromofluorobenzene (Surr)	10.0	9.69	96.89

Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X15.D

Injection Date: 04-Dec-2024 16:27:30

Instrument ID: 16334

Lims ID: 410-198585-A-8

Lab Sample ID: 410-198585-8

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

Operator ID: knk41612

ALS Bottle#: 15

Worklist Smp#: 16

Purge Vol: 25.000 mL

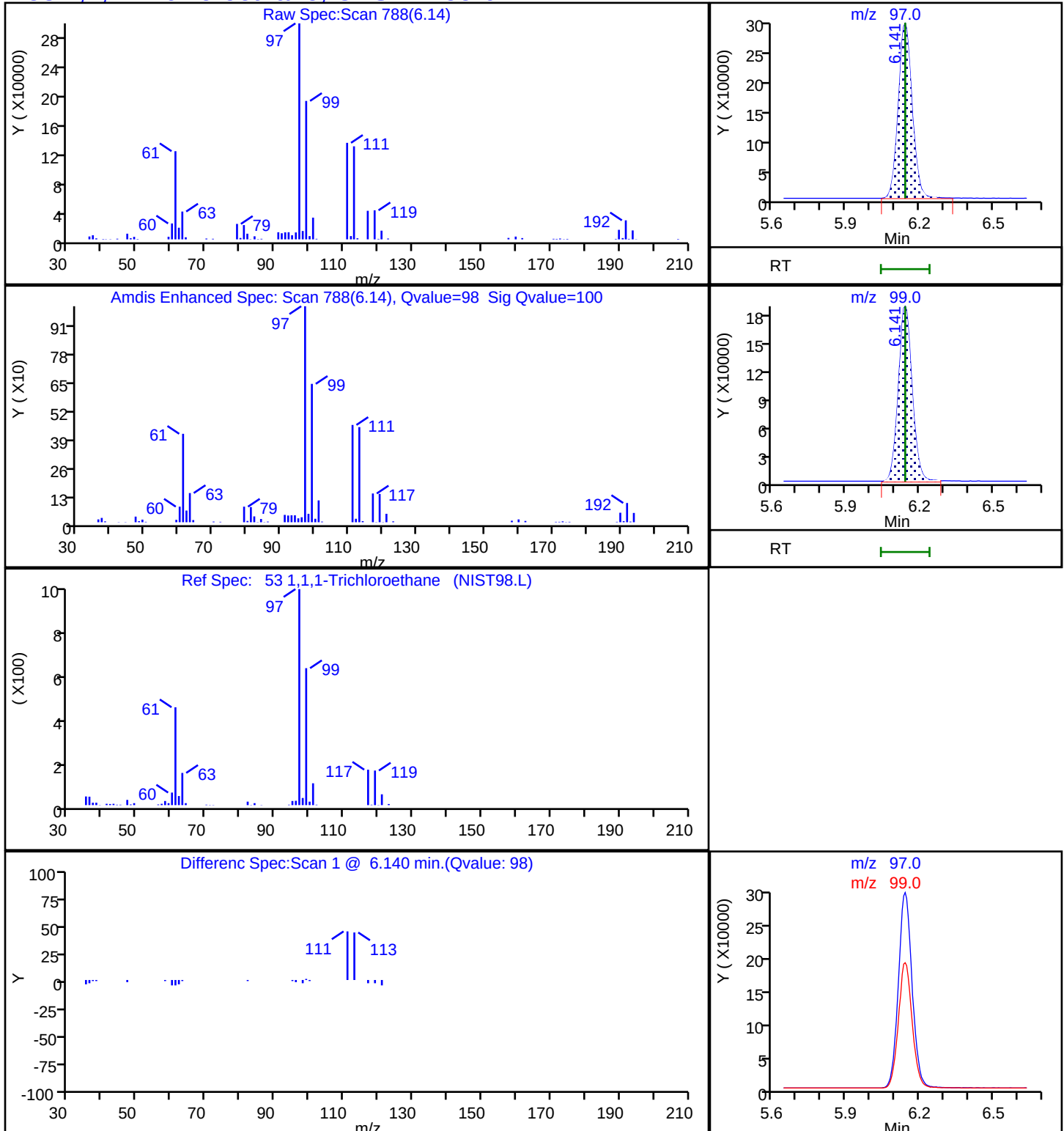
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

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

Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X15.D

Injection Date: 04-Dec-2024 16:27:30

Instrument ID: 16334

Lims ID: 410-198585-A-8

Lab Sample ID: 410-198585-8

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

Operator ID: knk41612

ALS Bottle#: 15

Worklist Smp#: 16

Purge Vol: 25.000 mL

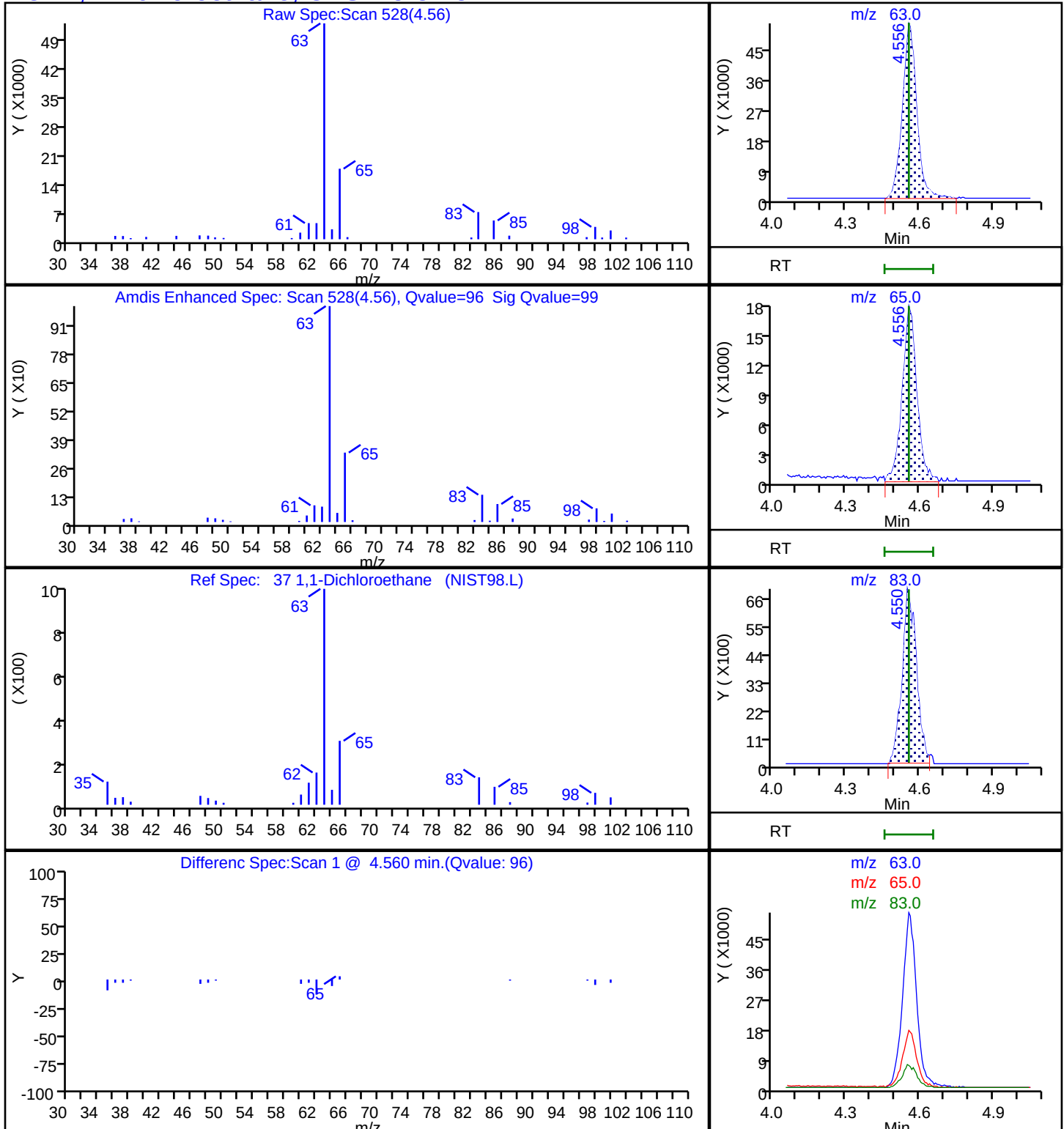
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID) x 150m

MS Quad

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

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X15.D

Injection Date: 04-Dec-2024 16:27:30

Instrument ID: 16334

Lims ID: 410-198585-A-8

Lab Sample ID: 410-198585-8

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

Operator ID: knk41612

ALS Bottle#: 15

Worklist Smp#: 16

Purge Vol: 25.000 mL

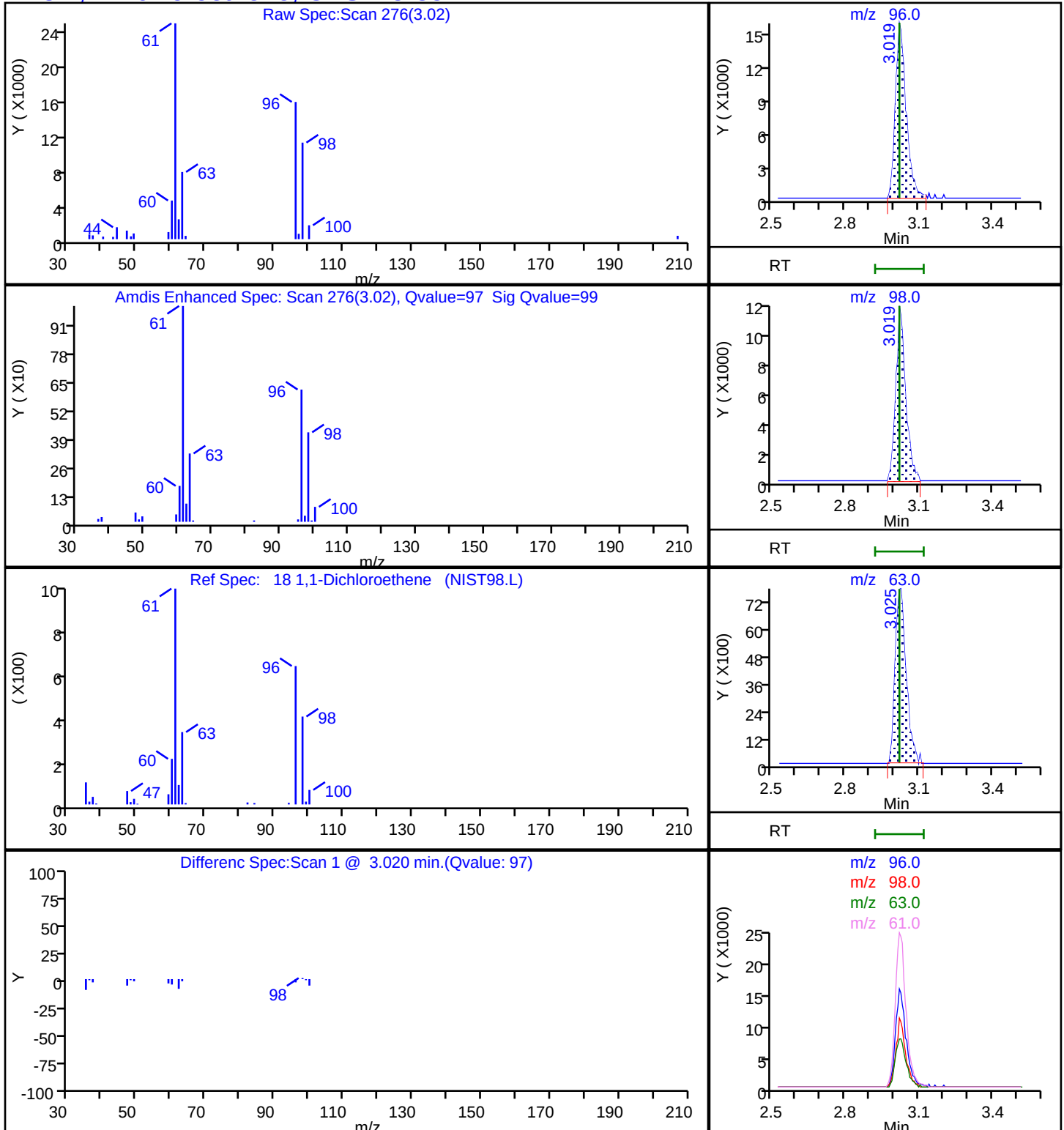
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

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

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X15.D

Injection Date: 04-Dec-2024 16:27:30

Instrument ID: 16334

Lims ID: 410-198585-A-8

Lab Sample ID: 410-198585-8

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

Operator ID: knk41612

ALS Bottle#: 15

Worklist Smp#: 16

Purge Vol: 25.000 mL

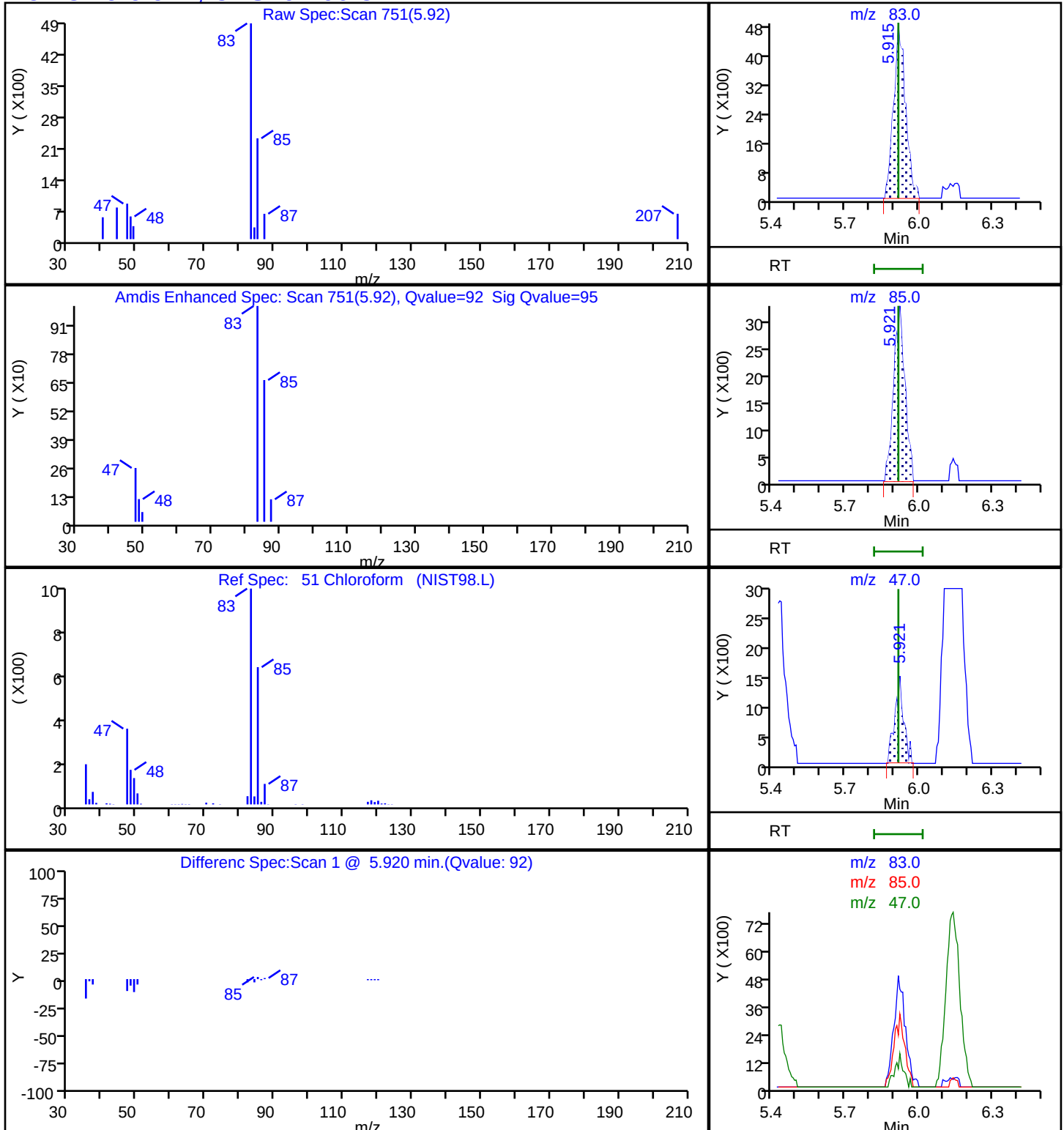
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

51 Chloroform, CAS: 67-66-3

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X15.D

Injection Date: 04-Dec-2024 16:27:30

Instrument ID: 16334

Lims ID: 410-198585-A-8

Lab Sample ID: 410-198585-8

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

Operator ID: knk41612

ALS Bottle#: 15

Worklist Smp#: 16

Purge Vol: 25.000 mL

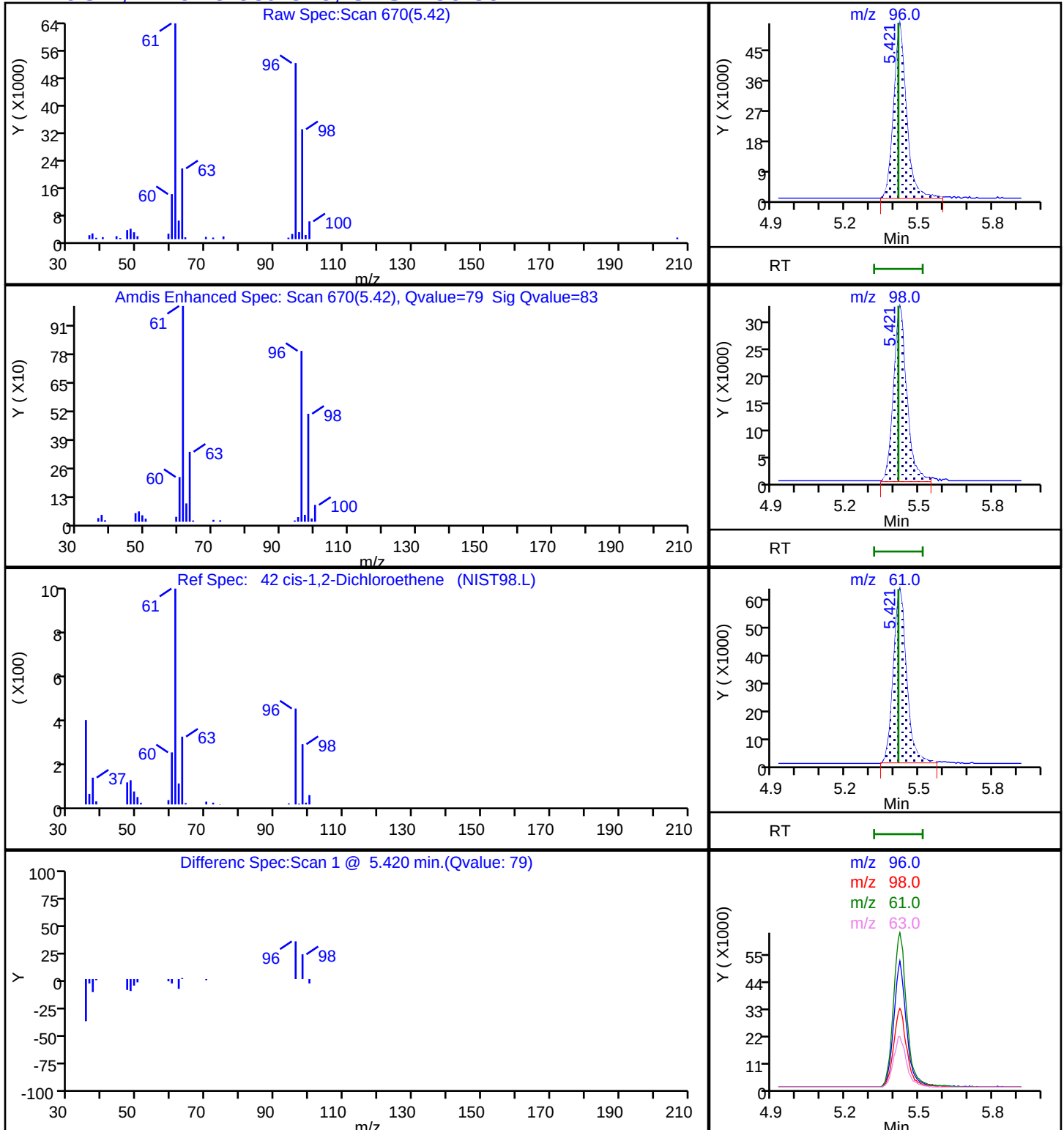
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

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

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X15.D

Injection Date: 04-Dec-2024 16:27:30

Instrument ID: 16334

Lims ID: 410-198585-A-8

Lab Sample ID: 410-198585-8

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

Operator ID: knk41612

ALS Bottle#: 15

Worklist Smp#: 16

Purge Vol: 25.000 mL

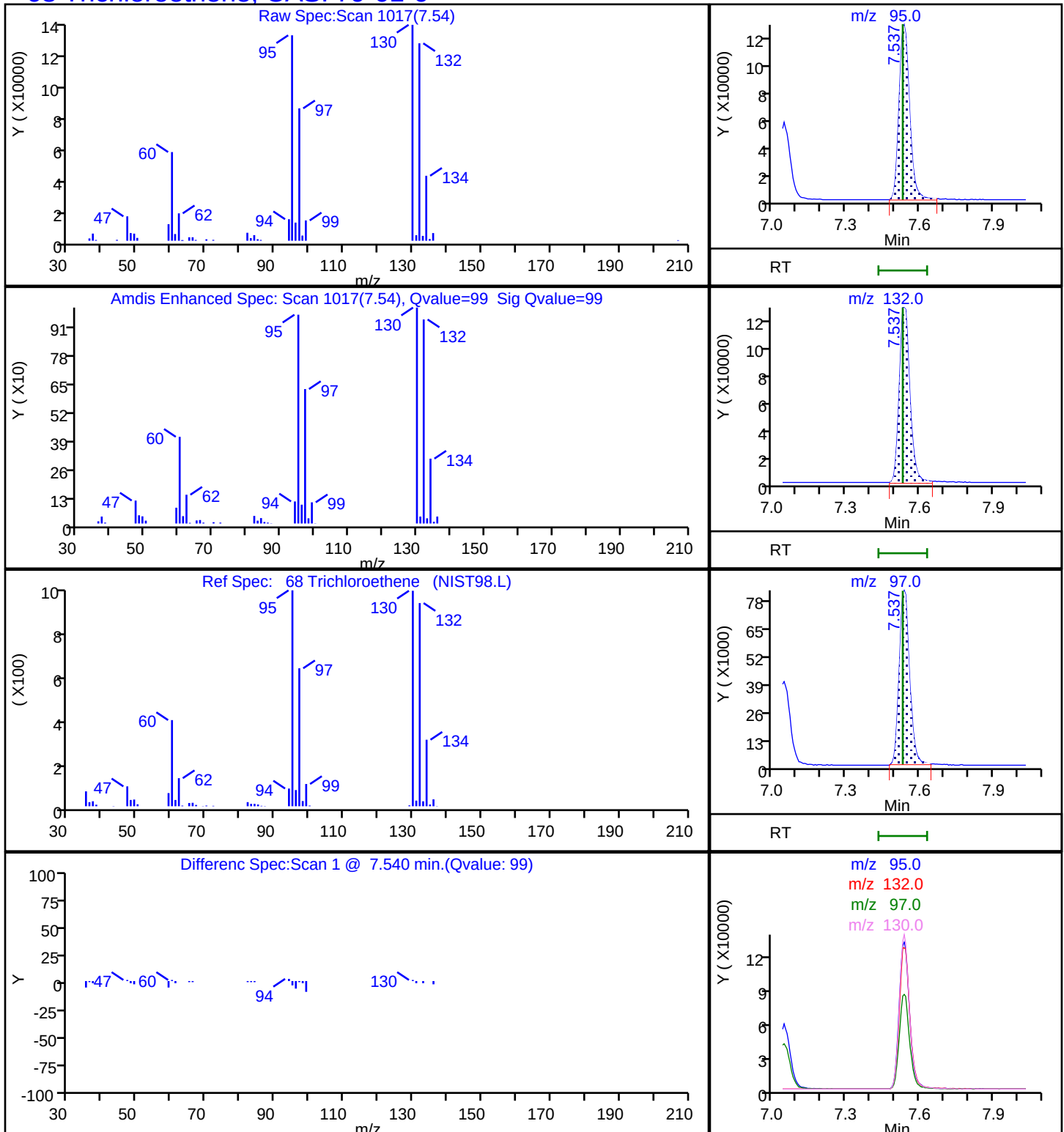
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

68 Trichloroethene, CAS: 79-01-6

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X15.D

Injection Date: 04-Dec-2024 16:27:30

Instrument ID: 16334

Lims ID: 410-198585-A-8

Lab Sample ID: 410-198585-8

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

Operator ID: knk41612

ALS Bottle#:

15

Worklist Smp#: 16

Purge Vol: 25.000 mL

Dil. Factor:

1.0000

Method: MSV_16334_25mL

Limit Group:

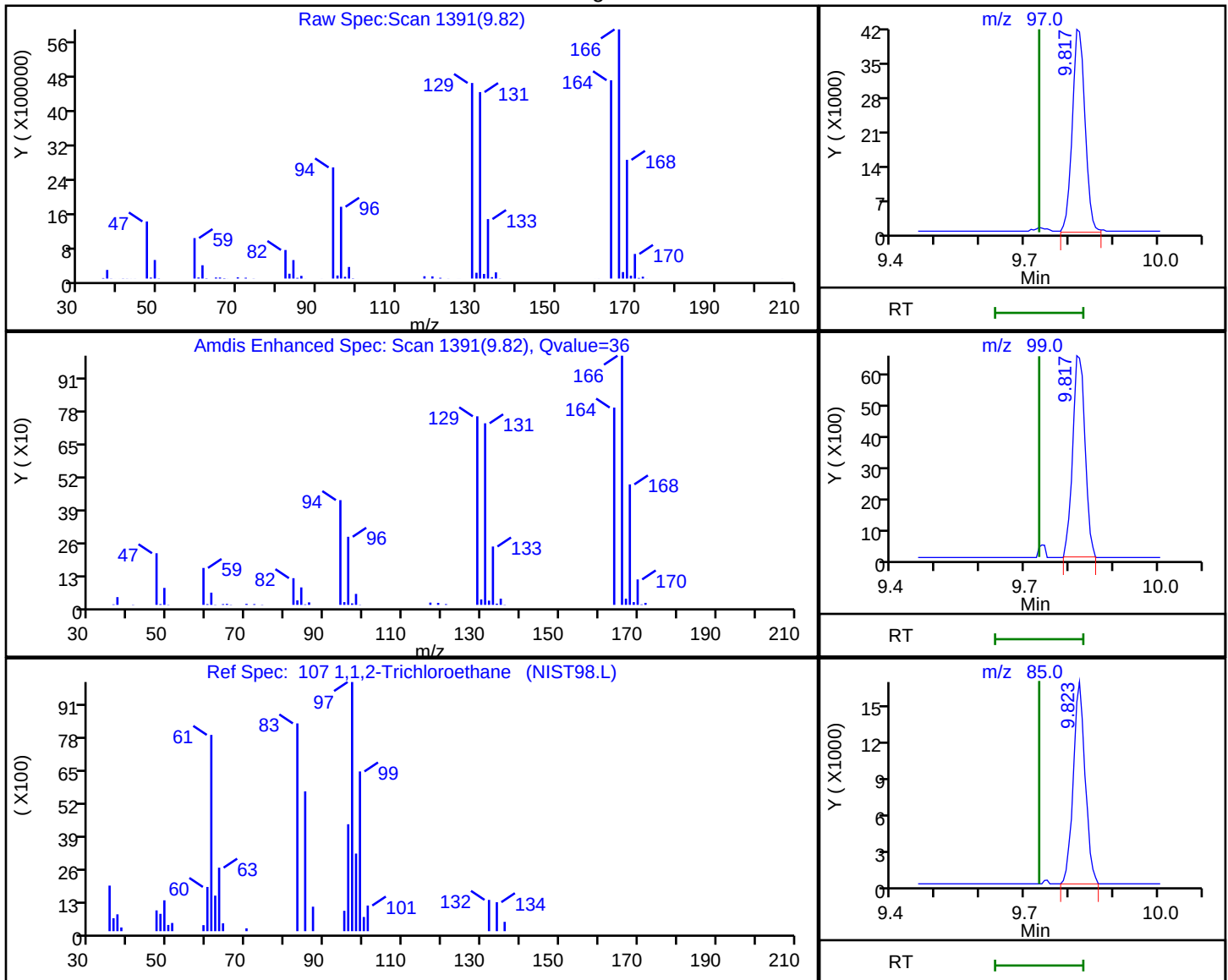
MSV - 8260C_D

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

MS Quad

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

Processing Results



RT	Mass	Response	Amount
9.82	97.00	83397	2.704546
9.82	99.00	12812	
9.82	85.00	31534	
9.82	83.00	232662	

Reviewer: FQ4L, 06-Dec-2024 07:22:38 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

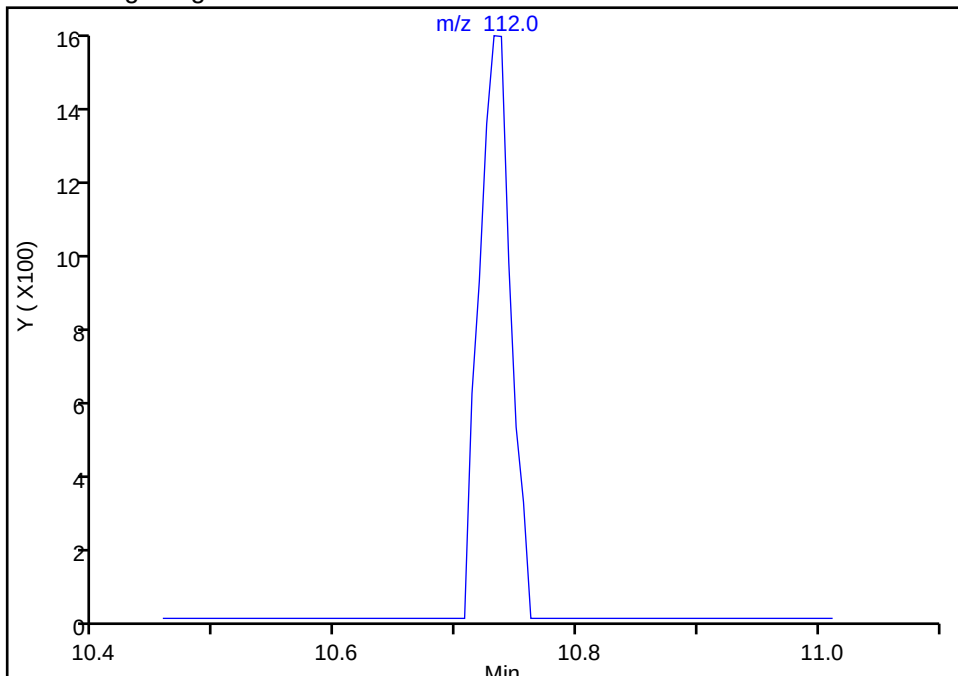
Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X15.D
Injection Date: 04-Dec-2024 16:27:30 Instrument ID: 16334
Lims ID: 410-198585-A-8 Lab Sample ID: 410-198585-8
Client ID: HD-COD-SW-17-0/1-0
Operator ID: knk41612 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm i.d.) Detector: MS Quad

116 Chlorobenzene, CAS: 108-90-7

Signal: 1

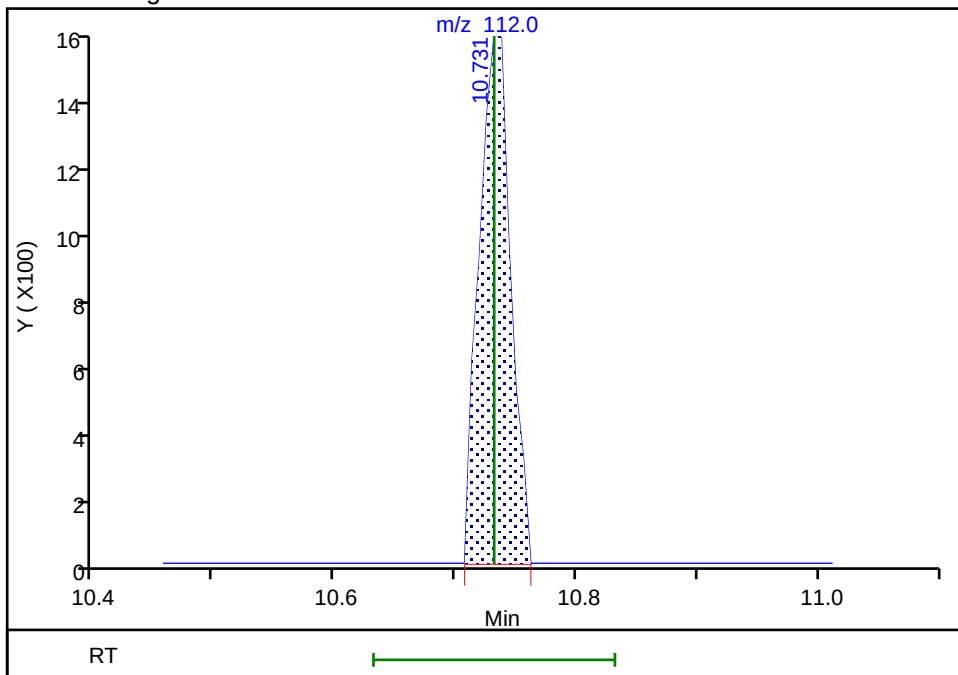
Not Detected
Expected RT: 10.73

Processing Integration Results



RT: 10.73
Area: 2729
Amount: 0.018205
Amount Units: ug/l

Manual Integration Results



Reviewer: FQ4L, 10-Dec-2024 07:15:53 07:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-198585-1

SDG No.:

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

Lab Sample ID: 410-198585-8 DL

Matrix: Water

Lab File ID: HD10X13.D

Analysis Method: 8260D

Date Collected: 11/25/2024 10:15

Sample wt/vol: 25 (mL)

Date Analyzed: 12/10/2024 13:59

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.: 584018

Units: ug/L

Preparation Batch No.:

Instrument ID: 19094

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
127-18-4	Tetrachloroethene	180	H cn	5.0	2.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98	cn	80-120
460-00-4	4-Bromofluorobenzene (Surr)	98	cn	80-120
1868-53-7	Dibromofluoromethane (Surr)	104	cn	80-120
2037-26-5	Toluene-d8 (Surr)	97	cn	80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20241210-132838.b\HD10X13.D
 Lims ID: 410-198585-B-8 DL
 Client ID: HD-COD-SW-17-0/1-0
 Sample Type: Client
 Inject. Date: 10-Dec-2024 13:59:30 ALS Bottle#: 13 Worklist Smp#: 14
 Purge Vol: 25.000 mL Dil. Factor: 10.0000
 Sample Info: 410-0132838-014
 Operator ID: ecr105096 Instrument ID: 19094
 Method: \\chromfs\Lancaster\ChromData\19094\20241210-132838.b\MSV_19094_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 11-Dec-2024 07:40:39 Calib Date: 15-Oct-2024 00:00:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1687

First Level Reviewer: FQ4L

Date: 11-Dec-2024 07:40:39

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50		2.044				ND	7
6 Vinyl chloride	62		2.154				ND	
9 Bromomethane	94		2.471				ND	
10 Chloroethane	64		2.520				ND	
17 1,1-Dichloroethene	96	3.318	3.312	0.006	93	3789	0.0907	
19 Acetone	43		3.336				ND	
23 Carbon disulfide	76		3.599				ND	7
27 Methylene Chloride	84		3.916				ND	
* 28 t-Butyl alcohol-d10 (IS)	65	3.922	3.922	0.000	96	111267	50.0	
32 Methyl tert-butyl ether	73		4.287				ND	
33 trans-1,2-Dichloroethene	96		4.312				ND	
36 1,1-Dichloroethane	63	4.958	4.964	-0.006	95	21678	0.2262	
41 2-Butanone (MEK)	43		5.757				ND	
42 cis-1,2-Dichloroethene	96	5.812	5.799	0.013	83	16576	0.2911	
48 Chlorobromomethane	128		6.141				ND	
50 Chloroform	83		6.293				ND	7
\$ 52 Dibromofluoromethane (Surr)	113	6.513	6.507	0.006	94	583391	10.4	
53 1,1,1-Trichloroethane	97	6.519	6.525	-0.006	43	99761	1.30	
56 Carbon tetrachloride	117		6.738				ND	
\$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.964	6.964	0.000	47	112073	9.84	
59 Benzene	78		7.000				ND	7
60 1,2-Dichloroethane	62		7.074				ND	
* 64 Fluorobenzene (IS)	96	7.415	7.415	0.000	98	2400735	10.0	
68 Trichloroethene	95	7.909	7.903	0.006	95	33349	0.6033	
70 1,2-Dichloropropane	63		8.238				ND	
76 Dichlorobromomethane	83		8.592				ND	
80 cis-1,3-Dichloropropene	75		9.158				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.341				ND	
\$ 83 Toluene-d8 (Surr)	98	9.482	9.488	-0.006	94	2473548	9.66	
84 Toluene	92	9.567	9.567	0.000	94	5092	0.0346	
85 trans-1,3-Dichloropropene	75		9.841				ND	
106 1,1,2-Trichloroethane	97		10.049				ND	U

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
107 Tetrachloroethene	166	10.140	10.140	0.000	98	1191304	17.9	
109 2-Hexanone	43		10.274				ND	
111 Chlorodibromomethane	129		10.439				ND	
112 Ethylene Dibromide	107		10.548				ND	
* 113 Chlorobenzene-d5 (IS)	117	10.994	10.993	0.001	87	1868863	10.0	
115 Chlorobenzene	112		11.024				ND	7
116 1,1,1,2-Tetrachloroethane	131		11.109				ND	
117 Ethylbenzene	91		11.109				ND	7
119 m-Xylene & p-Xylene	106		11.231				ND	7
S 118 Xylenes, Total	106		11.245				ND	7
120 o-Xylene	106		11.567				ND	7
121 Styrene	104		11.579				ND	
122 Bromoform	173		11.737				ND	
\$ 126 4-Bromofluorobenzene (Surr)	95	12.018	12.018	0.000	90	896450	9.76	
127 1,1,2,2-Tetrachloroethane	83		12.121				ND	
* 141 1,4-Dichlorobenzene-d4	152	12.908	12.908	0.000	95	1005825	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSV_LLcentISS_00013

Amount Added: 5.00

Units: uL

Run Reagent

Report Date: 11-Dec-2024 07:40:40

Chrom Revision: 2.3 12-Nov-2024 16:55:22

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20241210-132838.b\HD10X13.D

Injection Date: 10-Dec-2024 13:59:30

Instrument ID: 19094

Operator ID: ecr105096

Lims ID: 410-198585-B-8 DL

Lab Sample ID: 410-198585-8

Worklist Smp#: 14

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

Purge Vol: 25.000 mL

Dil. Factor: 10.0000

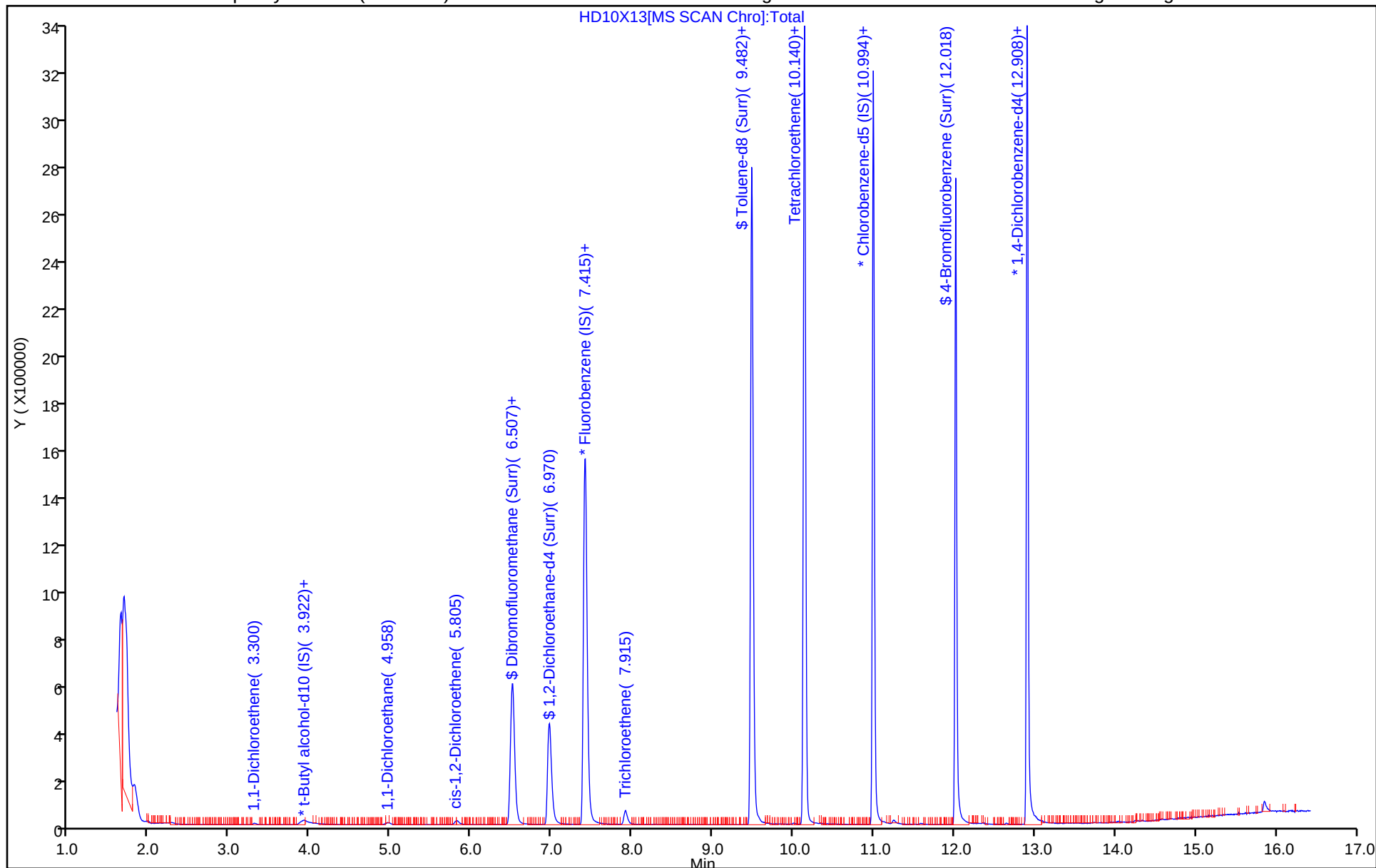
ALS Bottle#: 13

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\19094\20241210-132838.b\HD10X13.D
Lims ID: 410-198585-B-8 DL
Client ID: HD-COD-SW-17-0/1-0
Sample Type: Client
Inject. Date: 10-Dec-2024 13:59:30 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 10.0000
Sample Info: 410-0132838-014
Operator ID: ecr105096 Instrument ID: 19094
Method: \\chromfs\Lancaster\ChromData\19094\20241210-132838.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 11-Dec-2024 07:40:39 Calib Date: 15-Oct-2024 00:00:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X18.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1687

First Level Reviewer: FQ4L

Date: 11-Dec-2024 07:40:39

Compound	Amount Added	Amount Recovered	% Rec.
\$ 52 Dibromofluoromethane (Surr)	10.0	10.4	104.16
\$ 58 1,2-Dichloroethane-d4 (Surr)	10.0	9.84	98.39
\$ 83 Toluene-d8 (Surr)	10.0	9.66	96.56
\$ 126 4-Bromofluorobenzene (Surr)	10.0	9.76	97.59

Data File: \\chromfs\Lancaster\ChromData\19094\20241210-132838.b\HD10X13.D

Injection Date: 10-Dec-2024 13:59:30

Instrument ID: 19094

Lims ID: 410-198585-B-8 DL

Lab Sample ID: 410-198585-8

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

Operator ID: ecr105096

ALS Bottle#: 13

Worklist Smp#: 14

Purge Vol: 25.000 mL

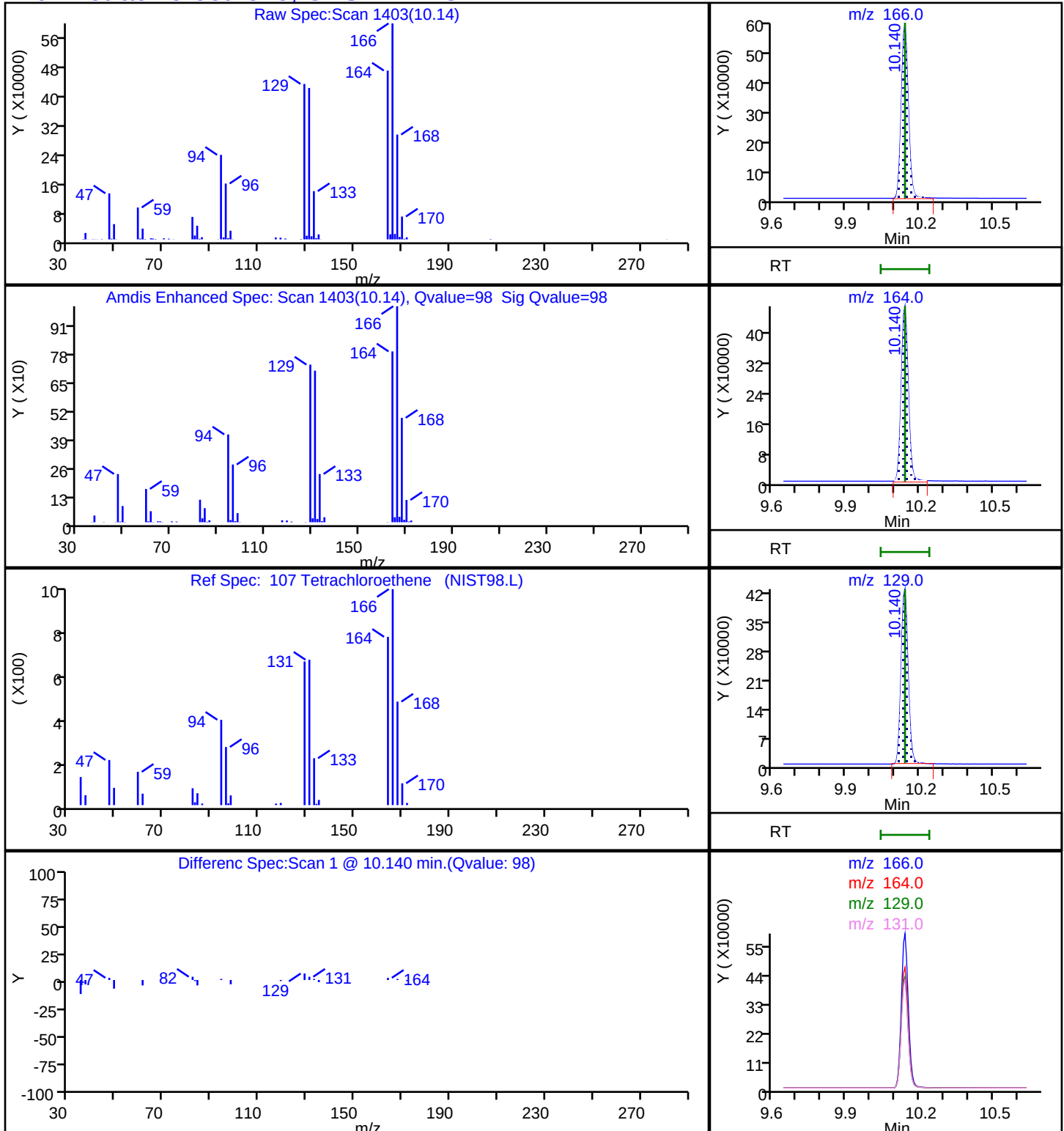
Dil. Factor: 10.0000

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

107 Tetrachloroethene, CAS: 127-18-4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-198585-1

SDG No.:

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

Lab Sample ID: 410-198585-9

Matrix: Water

Lab File ID: GD04X16.D

Analysis Method: 8260D

Date Collected: 11/25/2024 11:00

Sample wt/vol: 25 (mL)

Date Analyzed: 12/04/2024 16:49

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 581981

Units: ug/L

Preparation Batch No.:

Instrument ID: 16334

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.070
71-55-6	1,1,1-Trichloroethane	ND		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.10
79-00-5	1,1,2-Trichloroethane	ND		0.50	0.080
75-34-3	1,1-Dichloroethane	ND		0.50	0.10
75-35-4	1,1-Dichloroethene	0.12	J	0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	ND		0.50	0.080
107-06-2	1,2-Dichloroethane	ND		0.50	0.070
78-87-5	1,2-Dichloropropane	ND		0.50	0.10
78-93-3	2-Butanone (MEK)	ND		5.0	1.0
591-78-6	2-Hexanone	ND		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	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	0.78		0.50	0.090
74-87-3	Chloromethane	ND		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	ND		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	3.9		0.50	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-198585-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: HD-COD-SW-26-0/1-0 Lab Sample ID: 410-198585-9

Matrix: Water Lab File ID: GD04X16.D

Analysis Method: 8260D Date Collected: 11/25/2024 11:00

Sample wt/vol: 25 (mL) Date Analyzed: 12/04/2024 16:49

Soil Aliquot Vol: _____ Dilution Factor: 1

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

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

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

Analysis Batch No.: 581981 Units: ug/L

Preparation Batch No.: _____ Instrument ID: 16334

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	0.15	J	0.50	0.080
75-01-4	Vinyl chloride	ND		0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		80-120
460-00-4	4-Bromofluorobenzene (Surr)	96		80-120
1868-53-7	Dibromofluoromethane (Surr)	102		80-120
2037-26-5	Toluene-d8 (Surr)	97		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X16.D
 Lims ID: 410-198585-A-9
 Client ID: HD-COD-SW-26-0/1-0
 Sample Type: Client
 Inject. Date: 04-Dec-2024 16:49:30 ALS Bottle#: 16 Worklist Smp#: 17
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0132342-017
 Operator ID: knk41612 Instrument ID: 16334
 Method: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\MSV_16334_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 10-Dec-2024 07:16:03 Calib Date: 03-Dec-2024 18:18:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1605

First Level Reviewer: FQ4L

Date: 10-Dec-2024 07:16:48

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50		1.873				ND	7
6 Vinyl chloride	62		1.977				ND	
9 Bromomethane	94		2.264				ND	
10 Chloroethane	64		2.300				ND	
18 1,1-Dichloroethene	96	3.032	3.020	0.012	95	4485	0.1212	
19 Acetone	43		3.050				ND	
24 Carbon disulfide	76		3.269				ND	7
29 Methylene Chloride	84		3.574				ND	
* 30 t-Butyl alcohol-d10 (IS)	65	3.623	3.617	0.006	22	61257	50.0	
34 trans-1,2-Dichloroethene	96		3.928				ND	
33 Methyl tert-butyl ether	73		3.928				ND	
37 1,1-Dichloroethane	63		4.556				ND	
41 2-Butanone (MEK)	43		5.391				ND	
42 cis-1,2-Dichloroethene	96		5.415				ND	
49 Chlorobromomethane	128		5.751				ND	
51 Chloroform	83	5.921	5.915	0.006	92	60226	0.7795	
\$ 52 Dibromofluoromethane (Surr)	113	6.141	6.135	0.006	94	394517	10.2	
53 1,1,1-Trichloroethane	97		6.141				ND	
55 Carbon tetrachloride	117		6.354				ND	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.604	6.592	0.012	65	74431	10.1	
60 Benzene	78		6.622				ND	
61 1,2-Dichloroethane	62		6.696				ND	
* 64 Fluorobenzene (IS)	96	7.049	7.043	0.006	99	1640149	10.0	
68 Trichloroethene	95	7.543	7.531	0.012	95	6884	0.1471	a
70 1,2-Dichloropropane	63		7.866				ND	
76 Dichlorobromomethane	83		8.226				ND	7
81 cis-1,3-Dichloropropene	75		8.799				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.006				ND	
\$ 83 Toluene-d8 (Surr)	98	9.140	9.134	0.006	93	1621874	9.67	
84 Toluene	92		9.220				ND	7
85 trans-1,3-Dichloropropene	75		9.518				ND	
107 1,1,2-Trichloroethane	97		9.732				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
108 Tetrachloroethene	166	9.823	9.823	0.000	97	202578	3.86	
110 2-Hexanone	43		9.988				ND	
112 Chlorodibromomethane	129		10.134				ND	
113 Ethylene Dibromide	107		10.244				ND	
* 114 Chlorobenzene-d5 (IS)	117	10.707	10.707	0.000	85	1207757	10.0	
116 Chlorobenzene	112		10.731				ND	
117 1,1,1,2-Tetrachloroethane	131		10.823				ND	
118 Ethylbenzene	91		10.829				ND	
120 m-Xylene & p-Xylene	106		10.951				ND	7
S 119 Xylenes, Total	106		11.245				ND	7
121 o-Xylene	106		11.292				ND	
122 Styrene	104		11.304				ND	
123 Bromoform	173		11.457				ND	
\$ 127 4-Bromofluorobenzene (Surr)	95	11.743	11.743	0.000	91	558506	9.65	
128 1,1,2,2-Tetrachloroethane	83		11.859				ND	
* 142 1,4-Dichlorobenzene-d4	152	12.640	12.640	0.000	94	662349	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

a - User Assigned ID

Reagents:

MSV_29_826ISS_00057

Amount Added: 1.20

Units: uL

Run Reagent

Report Date: 10-Dec-2024 07:16:49

Chrom Revision: 2.3 12-Nov-2024 16:55:22

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X16.D

Injection Date: 04-Dec-2024 16:49:30

Instrument ID: 16334

Operator ID: knk41612

Lims ID: 410-198585-A-9

Lab Sample ID: 410-198585-9

Worklist Smp#: 17

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

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

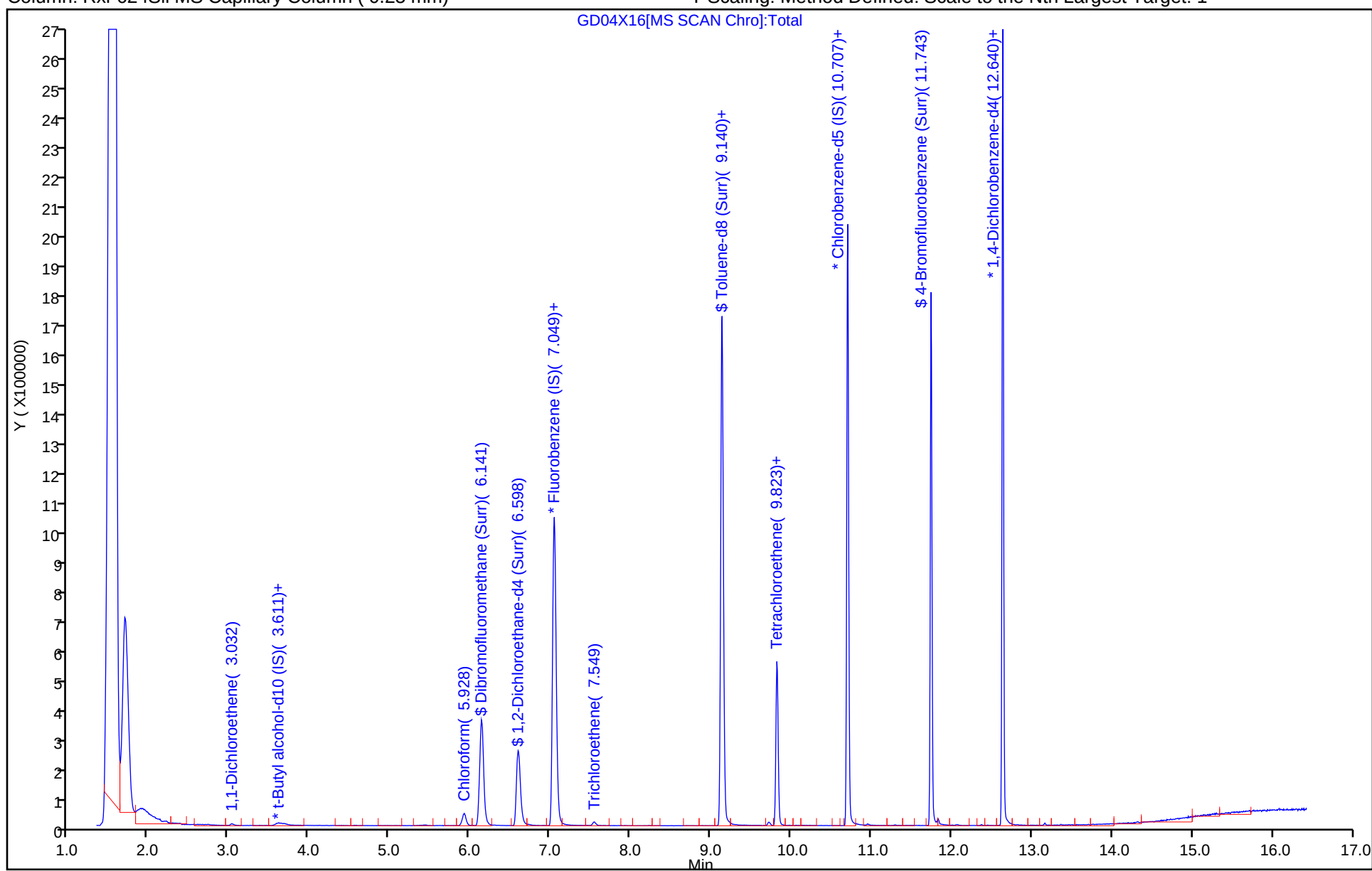
ALS Bottle#: 16

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
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X16.D
Lims ID: 410-198585-A-9
Client ID: HD-COD-SW-26-0/1-0
Sample Type: Client
Inject. Date: 04-Dec-2024 16:49:30 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0132342-017
Operator ID: knk41612 Instrument ID: 16334
Method: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 10-Dec-2024 07:16:03 Calib Date: 03-Dec-2024 18:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X18.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1605

First Level Reviewer: FQ4L

Date: 10-Dec-2024 07:16:48

Compound	Amount Added	Amount Recovered	% Rec.
\$ 52 Dibromofluoromethane (Surr)	10.0	10.2	101.95
\$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.1	100.82
\$ 83 Toluene-d8 (Surr)	10.0	9.67	96.75
\$ 127 4-Bromofluorobenzene (Surr)	10.0	9.65	96.47

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X16.D

Injection Date: 04-Dec-2024 16:49:30

Instrument ID: 16334

Lims ID: 410-198585-A-9

Lab Sample ID: 410-198585-9

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

Operator ID: knk41612

ALS Bottle#: 16

Worklist Smp#: 17

Purge Vol: 25.000 mL

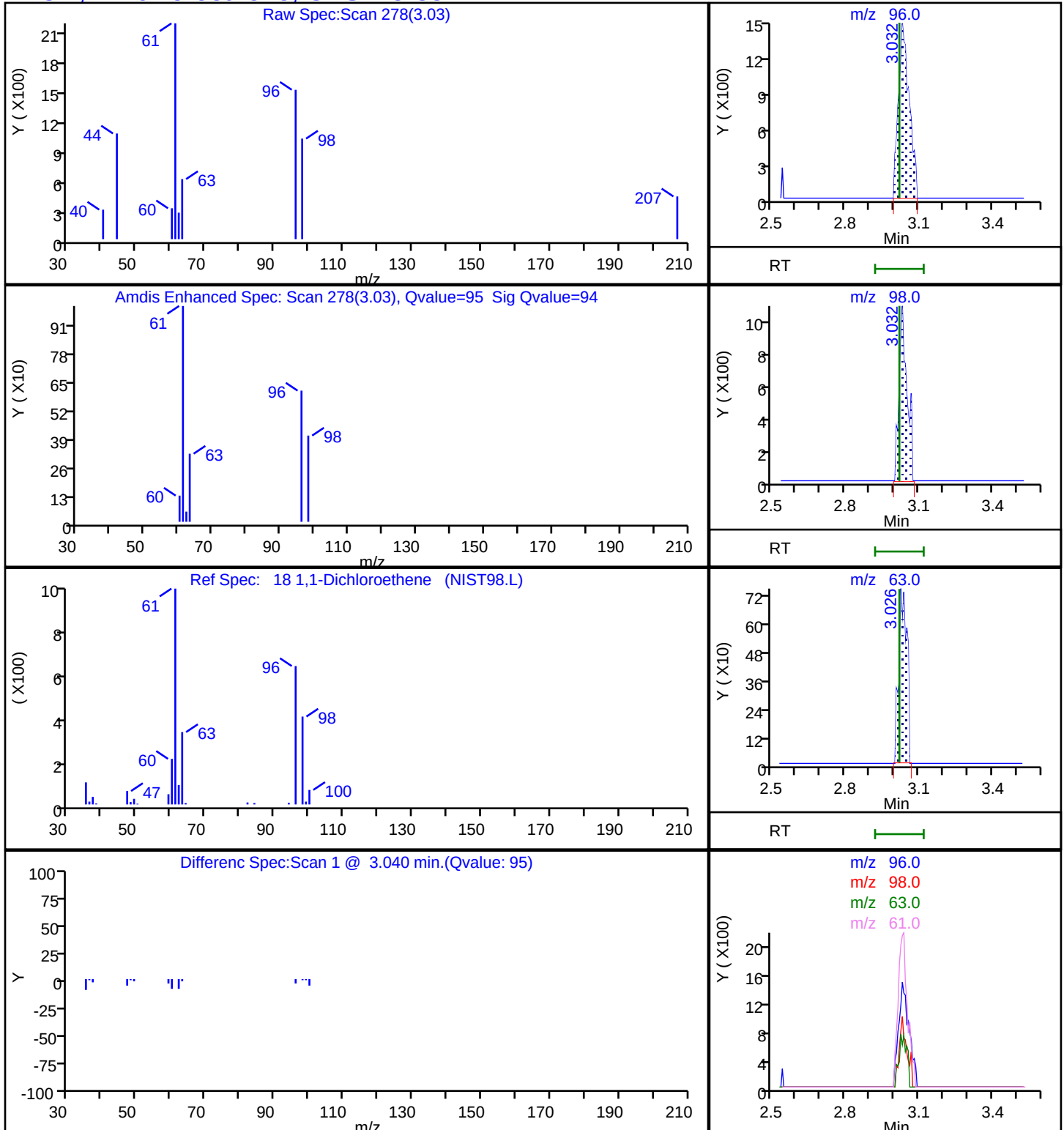
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

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

Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X16.D

Injection Date: 04-Dec-2024 16:49:30

Instrument ID: 16334

Lims ID: 410-198585-A-9

Lab Sample ID: 410-198585-9

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

Operator ID: knk41612

ALS Bottle#: 16

Worklist Smp#: 17

Purge Vol: 25.000 mL

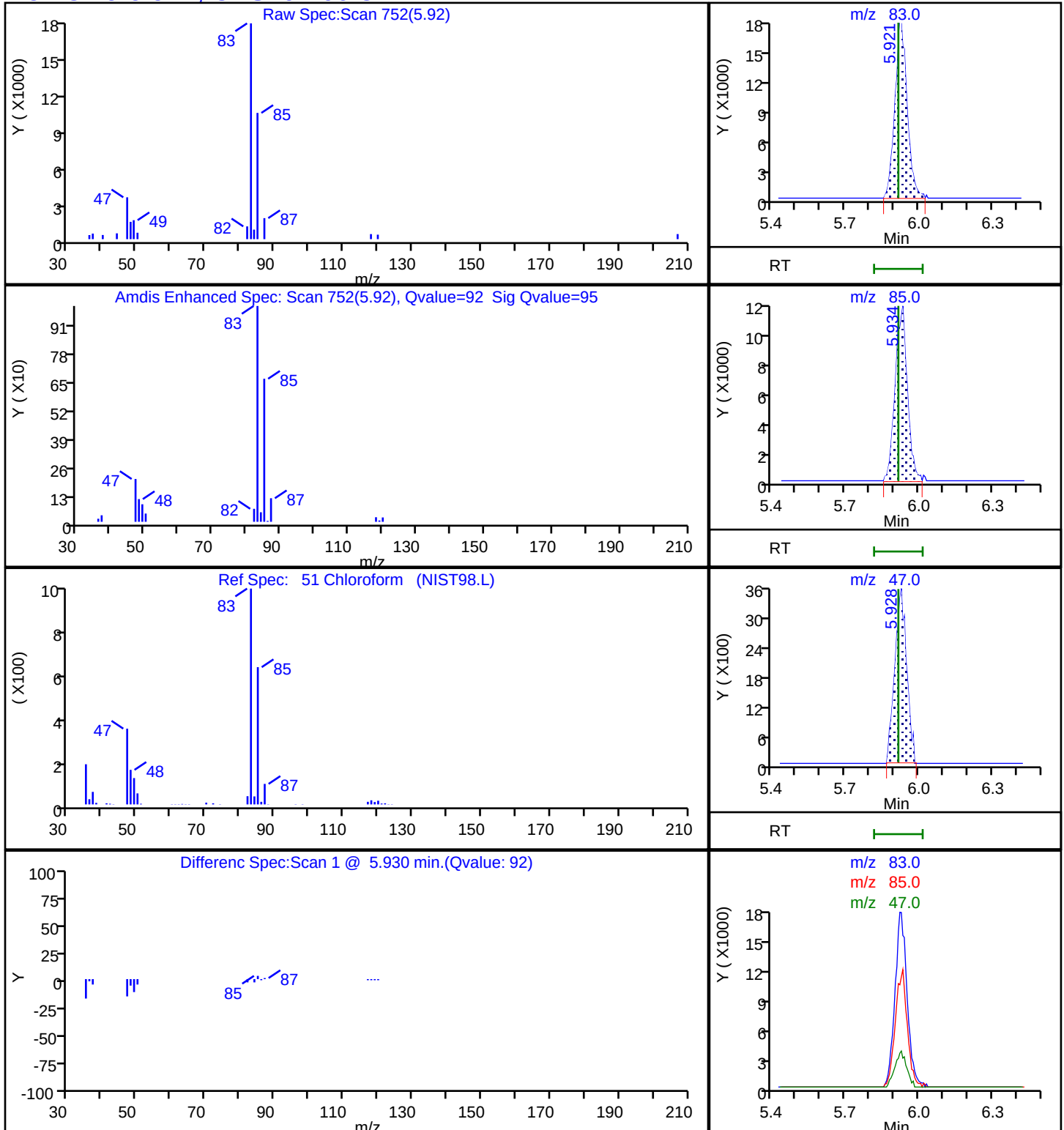
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

51 Chloroform, CAS: 67-66-3

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X16.D

Injection Date: 04-Dec-2024 16:49:30

Instrument ID: 16334

Lims ID: 410-198585-A-9

Lab Sample ID: 410-198585-9

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

Operator ID: knk41612

ALS Bottle#: 16

Worklist Smp#: 17

Purge Vol: 25.000 mL

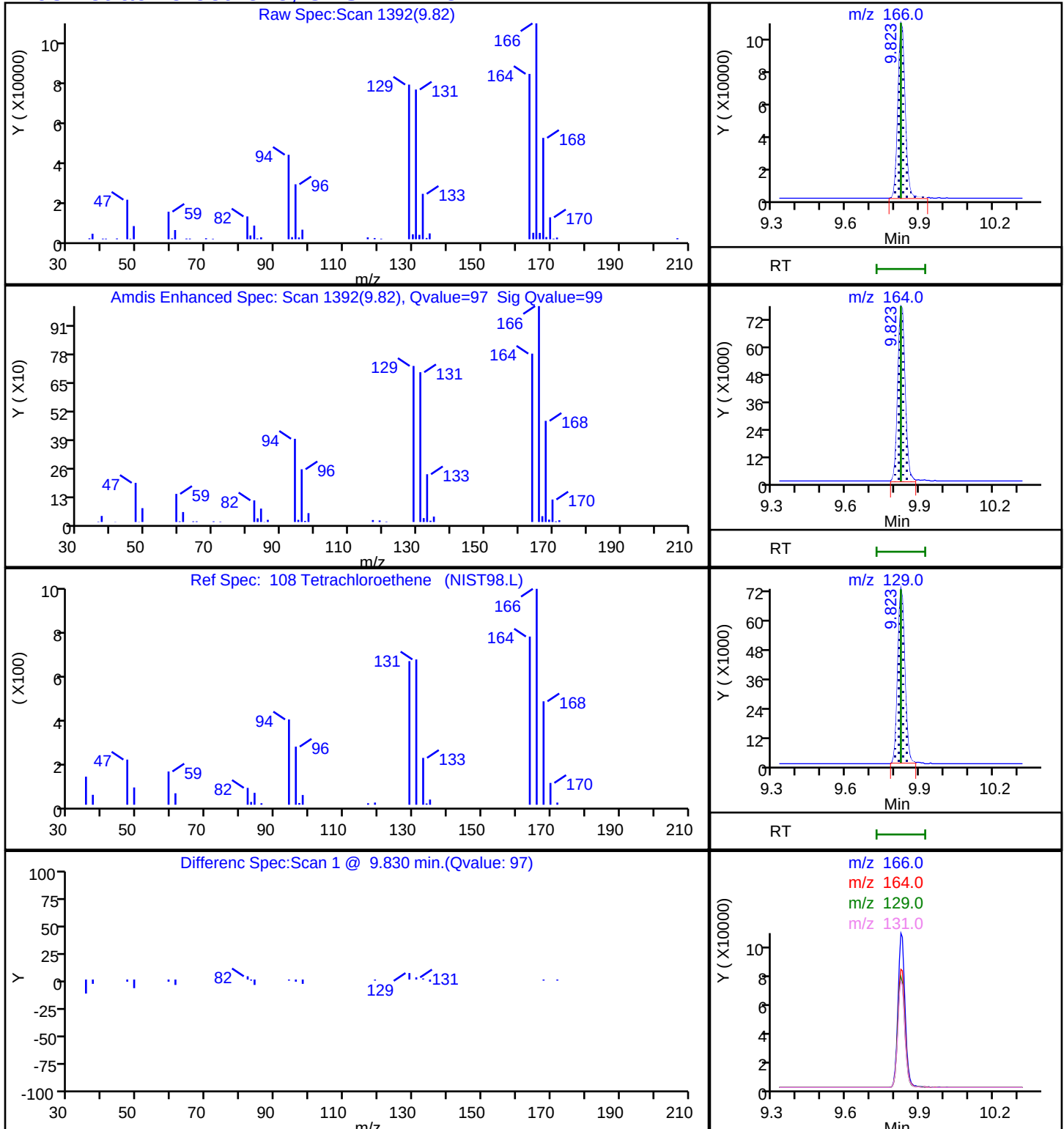
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

108 Tetrachloroethene, CAS: 127-18-4

Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X16.D

Injection Date: 04-Dec-2024 16:49:30

Instrument ID: 16334

Lims ID: 410-198585-A-9

Lab Sample ID: 410-198585-9

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

Operator ID: knk41612

ALS Bottle#: 16

Worklist Smp#: 17

Purge Vol: 25.000 mL

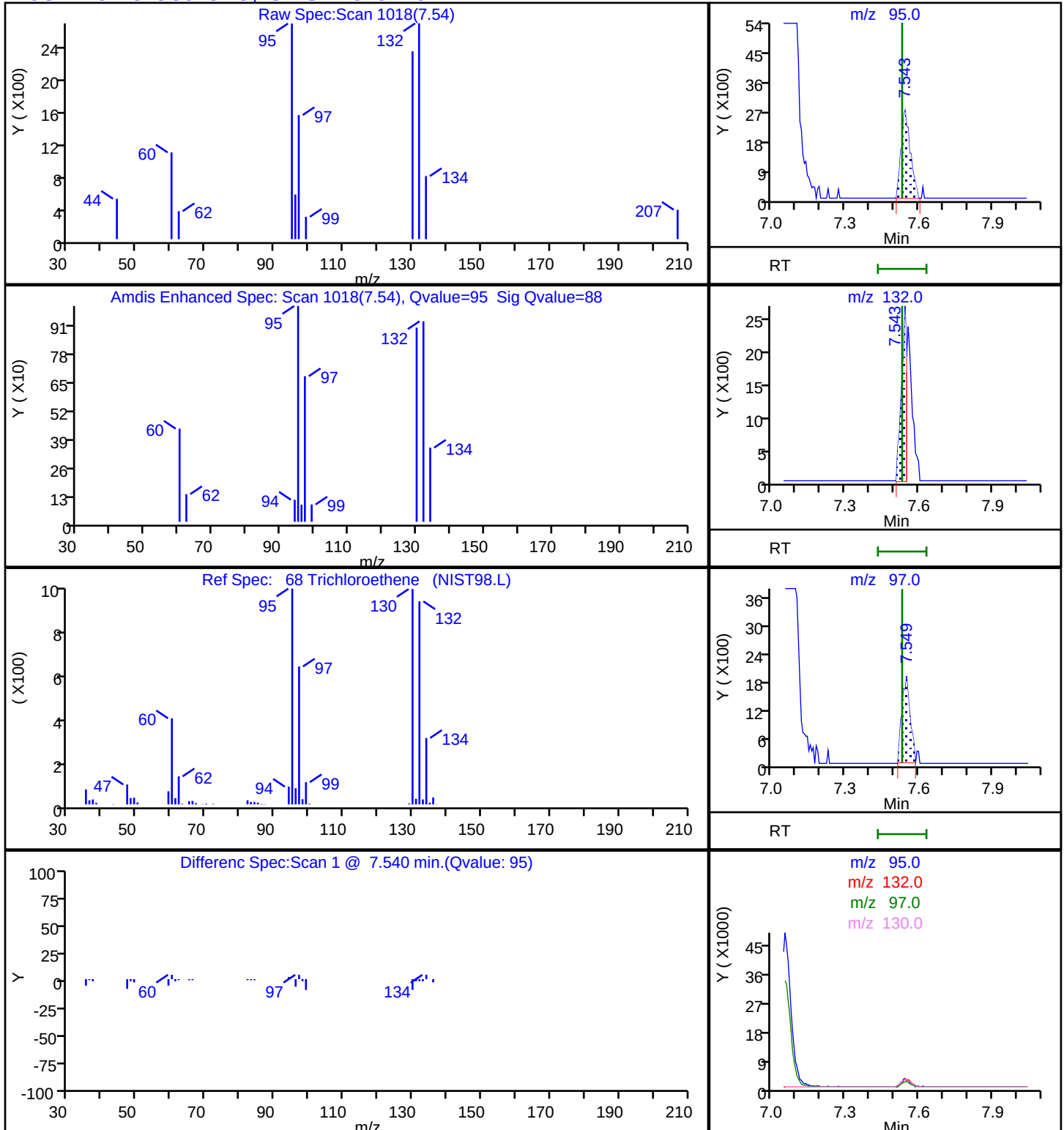
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm ID) x 30 m

MS Quad

68 Trichloroethene, CAS: 79-01-6

Eurofins Lancaster Laboratories Environment Testing, LLC

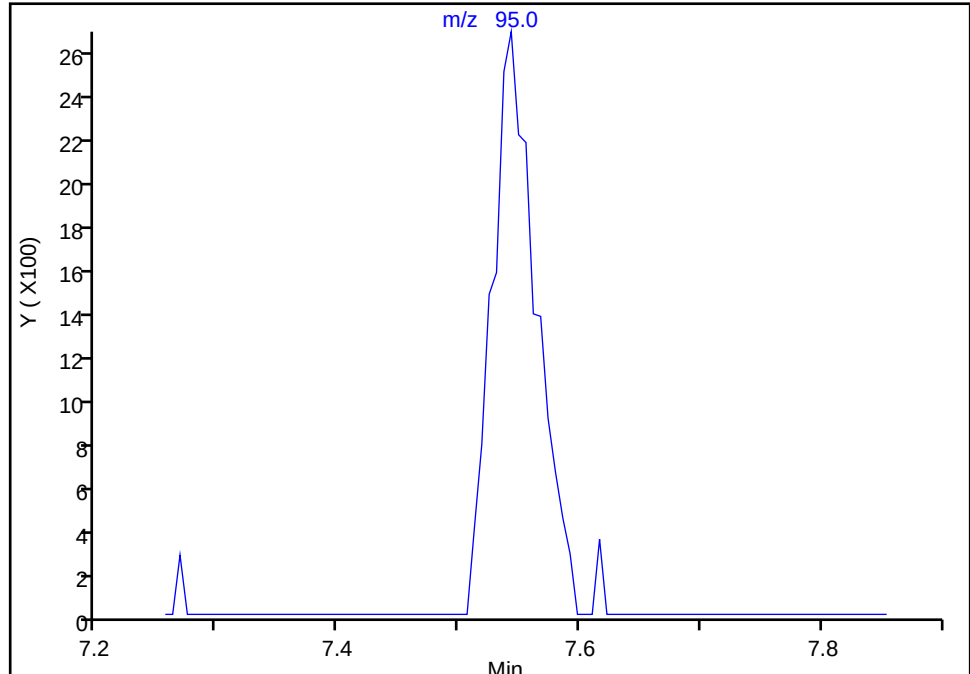
Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X16.D
Injection Date: 04-Dec-2024 16:49:30 Instrument ID: 16334
Lims ID: 410-198585-A-9 Lab Sample ID: 410-198585-9
Client ID: HD-COD-SW-26-0/1-0
Operator ID: knk41612 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

68 Trichloroethene, CAS: 79-01-6

Signal: 1

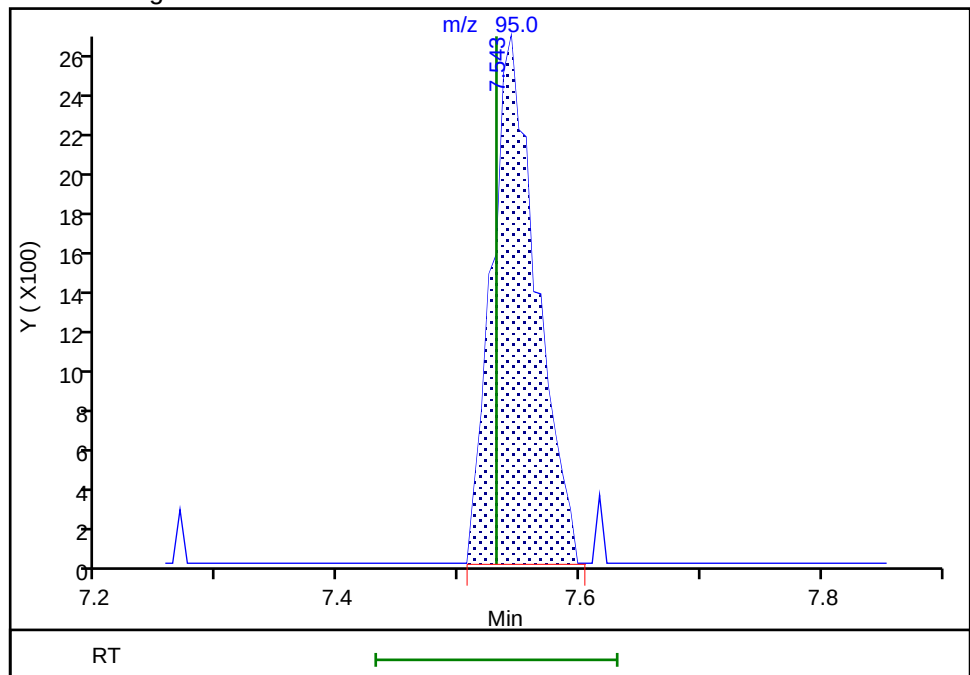
Not Detected
Expected RT: 7.53

Processing Integration Results



RT: 7.54
Area: 6884
Amount: 0.147135
Amount Units: ug/l

Manual Integration Results



Reviewer: FQ4L, 06-Dec-2024 07:23:04 07:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-198585-1

SDG No.:

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

Lab Sample ID: 410-198585-10

Matrix: Water

Lab File ID: GD04X17.D

Analysis Method: 8260D

Date Collected: 11/25/2024 11:29

Sample wt/vol: 25 (mL)

Date Analyzed: 12/04/2024 17:11

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 581981

Units: ug/L

Preparation Batch No.:

Instrument ID: 16334

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	10		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	0.16	J	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	0.30	J	0.50	0.090
74-87-3	Chloromethane	ND		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	0.17	J	0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	0.23	J	0.50	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-198585-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: HD-COD-SW-27-0/1-0 Lab Sample ID: 410-198585-10

Matrix: Water Lab File ID: GD04X17.D

Analysis Method: 8260D Date Collected: 11/25/2024 11:29

Sample wt/vol: 25 (mL) Date Analyzed: 12/04/2024 17:11

Soil Aliquot Vol: _____ Dilution Factor: 1

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

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

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

Analysis Batch No.: 581981 Units: ug/L

Preparation Batch No.: _____ Instrument ID: 16334

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	0.26	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)	96		80-120
1868-53-7	Dibromofluoromethane (Surr)	101		80-120
2037-26-5	Toluene-d8 (Surr)	98		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X17.D
 Lims ID: 410-198585-A-10
 Client ID: HD-COD-SW-27-0/1-0
 Sample Type: Client
 Inject. Date: 04-Dec-2024 17:11:30 ALS Bottle#: 17 Worklist Smp#: 18
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0132342-018
 Operator ID: knk41612 Instrument ID: 16334
 Method: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\MSV_16334_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 10-Dec-2024 07:16:03 Calib Date: 03-Dec-2024 18:18:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1605

First Level Reviewer: FQ4L

Date: 10-Dec-2024 07:17:17

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50		1.873				ND	
6 Vinyl chloride	62		1.977				ND	7
9 Bromomethane	94		2.264				ND	
10 Chloroethane	64		2.300				ND	
18 1,1-Dichloroethene	96		3.020				ND	
19 Acetone	43	3.074	3.050	0.024	98	38625	10.0	
24 Carbon disulfide	76	3.294	3.269	0.025	99	22993	0.1607	M
29 Methylene Chloride	84		3.574				ND	
* 30 t-Butyl alcohol-d10 (IS)	65	3.605	3.617	-0.012	21	67069	50.0	
34 trans-1,2-Dichloroethene	96		3.928				ND	
33 Methyl tert-butyl ether	73		3.928				ND	
37 1,1-Dichloroethane	63		4.556				ND	
41 2-Butanone (MEK)	43		5.391				ND	
42 cis-1,2-Dichloroethene	96	5.434	5.415	0.019	75	8516	0.1697	
49 Chlorobromomethane	128		5.751				ND	
51 Chloroform	83	5.927	5.915	0.012	91	24140	0.2960	a
\$ 52 Dibromofluoromethane (Surr)	113	6.147	6.135	0.012	94	411247	10.1	
53 1,1,1-Trichloroethane	97		6.141				ND	
55 Carbon tetrachloride	117		6.354				ND	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.598	6.592	0.006	65	79374	10.2	
60 Benzene	78		6.622				ND	
61 1,2-Dichloroethane	62		6.696				ND	
* 64 Fluorobenzene (IS)	96	7.049	7.043	0.006	99	1731016	10.0	
68 Trichloroethene	95	7.543	7.531	0.012	96	12596	0.2551	
70 1,2-Dichloropropane	63		7.866				ND	
76 Dichlorobromomethane	83		8.226				ND	7
81 cis-1,3-Dichloropropene	75		8.799				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.006				ND	7
\$ 83 Toluene-d8 (Surr)	98	9.140	9.134	0.006	93	1755905	9.80	
84 Toluene	92	9.226	9.220	0.006	99	5406	0.0435	
85 trans-1,3-Dichloropropene	75		9.518				ND	
107 1,1,2-Trichloroethane	97		9.732				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
108 Tetrachloroethene	166	9.829	9.823	0.006	95	12938	0.2305	
110 2-Hexanone	43		9.988				ND	
112 Chlorodibromomethane	129		10.134				ND	
113 Ethylene Dibromide	107		10.244				ND	
* 114 Chlorobenzene-d5 (IS)	117	10.707	10.707	0.000	85	1290573	10.0	
116 Chlorobenzene	112		10.731				ND	
117 1,1,1,2-Tetrachloroethane	131		10.823				ND	
118 Ethylbenzene	91		10.829				ND	7
120 m-Xylene & p-Xylene	106		10.951				ND	7
S 119 Xylenes, Total	106		11.245				ND	7
121 o-Xylene	106		11.292				ND	7
122 Styrene	104		11.304				ND	
123 Bromoform	173		11.457				ND	
\$ 127 4-Bromofluorobenzene (Surr)	95	11.743	11.743	0.000	91	595308	9.62	
128 1,1,2,2-Tetrachloroethane	83		11.859				ND	
* 142 1,4-Dichlorobenzene-d4	152	12.640	12.640	0.000	95	698471	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_29_826ISS_00057

Amount Added: 1.20

Units: uL

Run Reagent

Report Date: 10-Dec-2024 07:17:18

Chrom Revision: 2.3 12-Nov-2024 16:55:22

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X17.D

Injection Date: 04-Dec-2024 17:11:30

Instrument ID: 16334

Operator ID: knk41612

Lims ID: 410-198585-A-10

Lab Sample ID: 410-198585-10

Worklist Smp#: 18

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

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

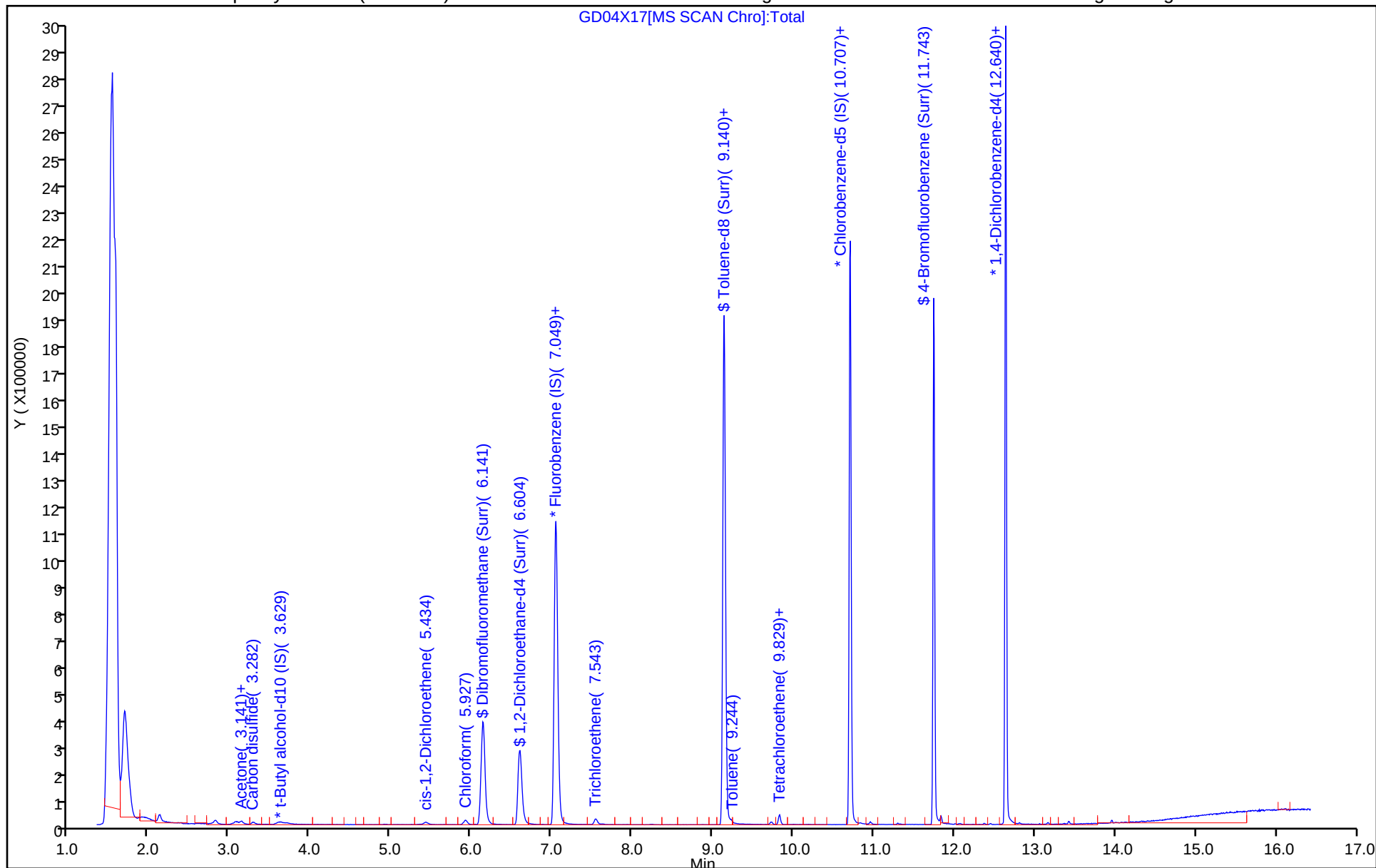
ALS Bottle#: 17

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
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X17.D
Lims ID: 410-198585-A-10
Client ID: HD-COD-SW-27-0/1-0
Sample Type: Client
Inject. Date: 04-Dec-2024 17:11:30 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0132342-018
Operator ID: knk41612 Instrument ID: 16334
Method: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 10-Dec-2024 07:16:03 Calib Date: 03-Dec-2024 18:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X18.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1605

First Level Reviewer: FQ4L

Date: 10-Dec-2024 07:17:17

Compound	Amount Added	Amount Recovered	% Rec.
\$ 52 Dibromofluoromethane (Surr)	10.0	10.1	100.69
\$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.2	101.87
\$ 83 Toluene-d8 (Surr)	10.0	9.80	98.02
\$ 127 4-Bromofluorobenzene (Surr)	10.0	9.62	96.23

Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X17.D

Injection Date: 04-Dec-2024 17:11:30

Instrument ID: 16334

Lims ID: 410-198585-A-10

Lab Sample ID: 410-198585-10

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

Operator ID: knk41612

ALS Bottle#: 17

Worklist Smp#: 18

Purge Vol: 25.000 mL

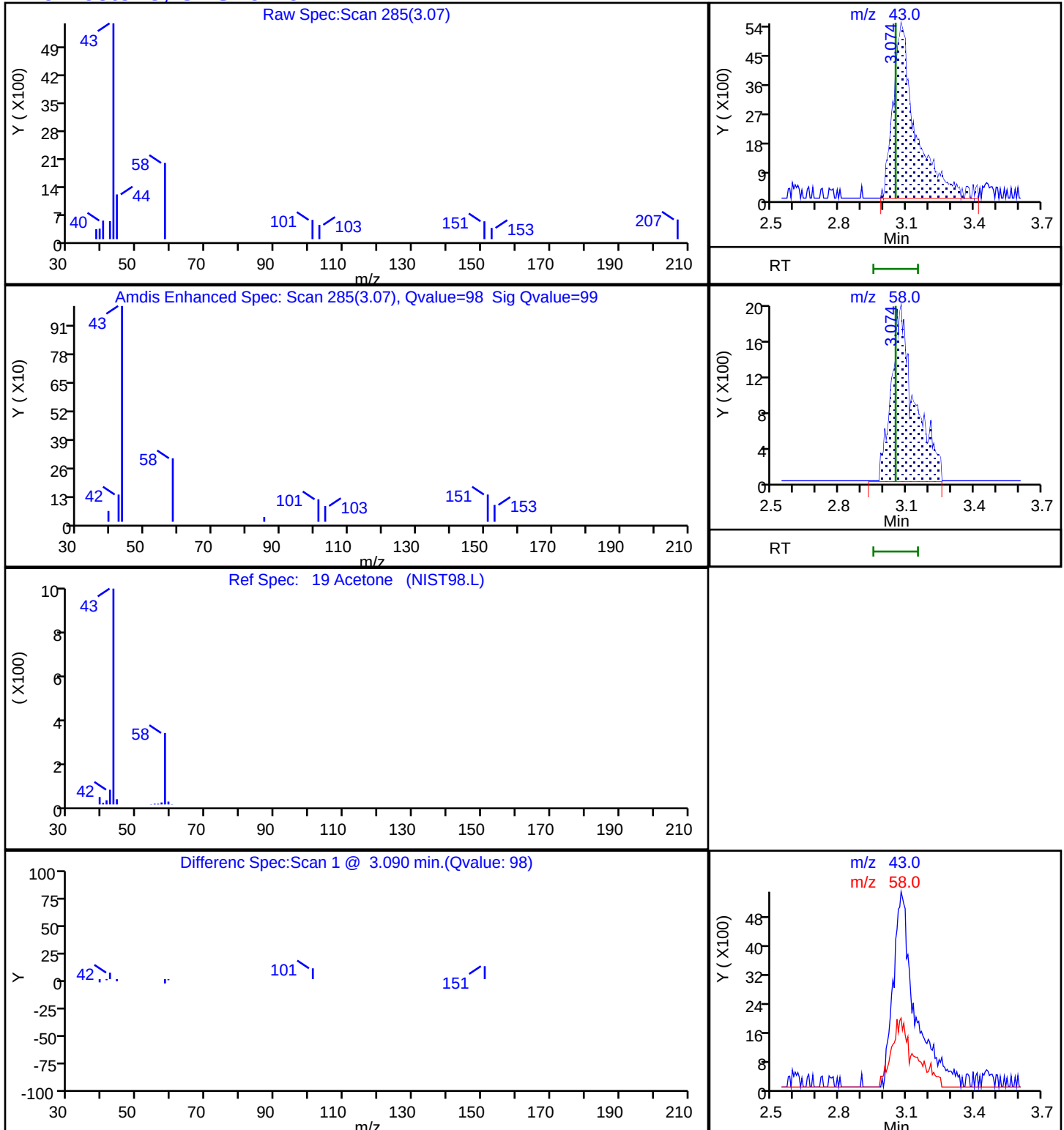
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

19 Acetone, CAS: 67-64-1

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X17.D

Injection Date: 04-Dec-2024 17:11:30

Instrument ID: 16334

Lims ID: 410-198585-A-10

Lab Sample ID: 410-198585-10

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

Operator ID: knk41612

ALS Bottle#: 17

Worklist Smp#: 18

Purge Vol: 25.000 mL

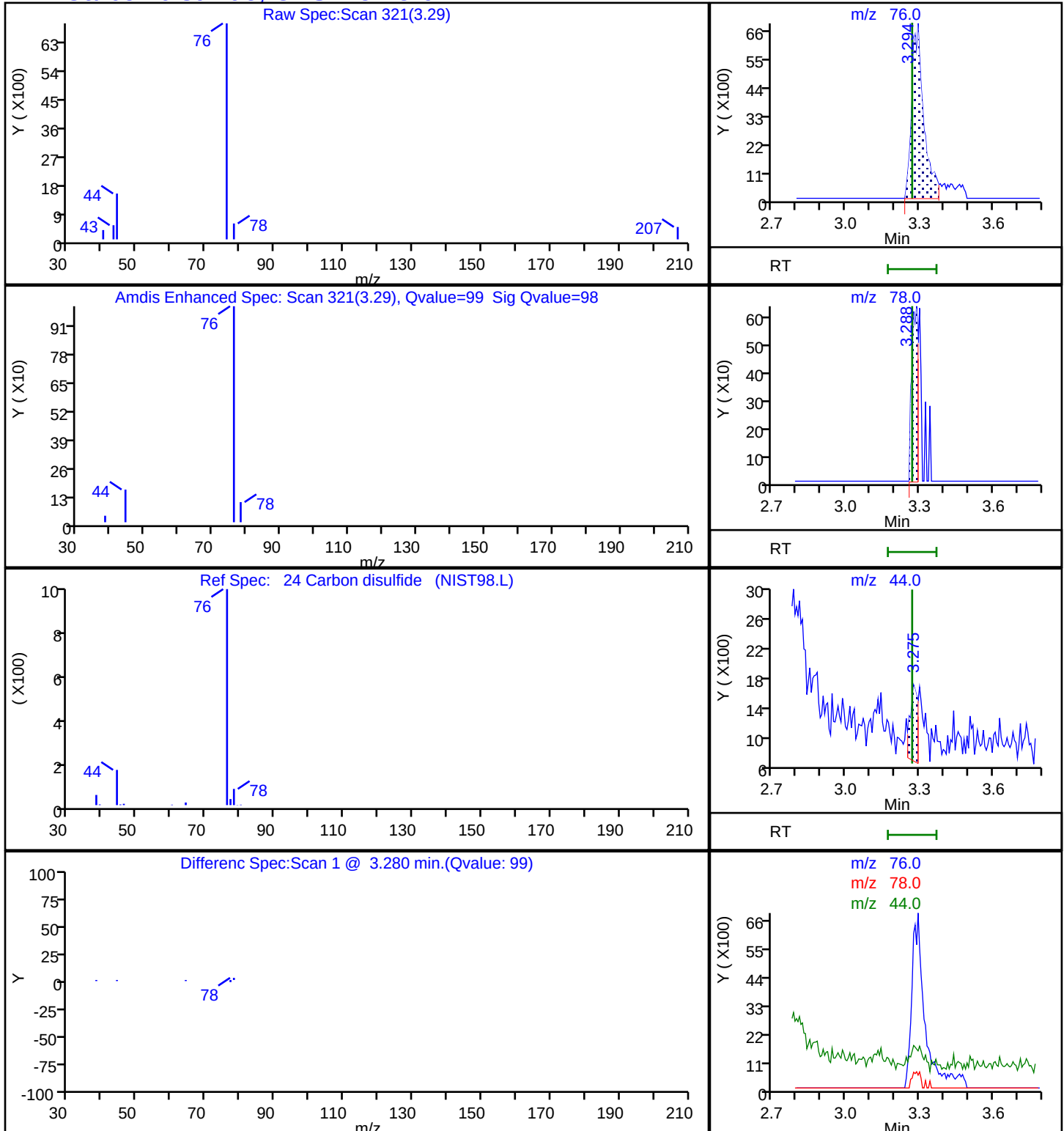
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID) x 30m

MS Quad

24 Carbon disulfide, CAS: 75-15-0

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X17.D

Injection Date: 04-Dec-2024 17:11:30

Instrument ID: 16334

Lims ID: 410-198585-A-10

Lab Sample ID: 410-198585-10

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

Operator ID: knk41612

ALS Bottle#: 17

Worklist Smp#: 18

Purge Vol: 25.000 mL

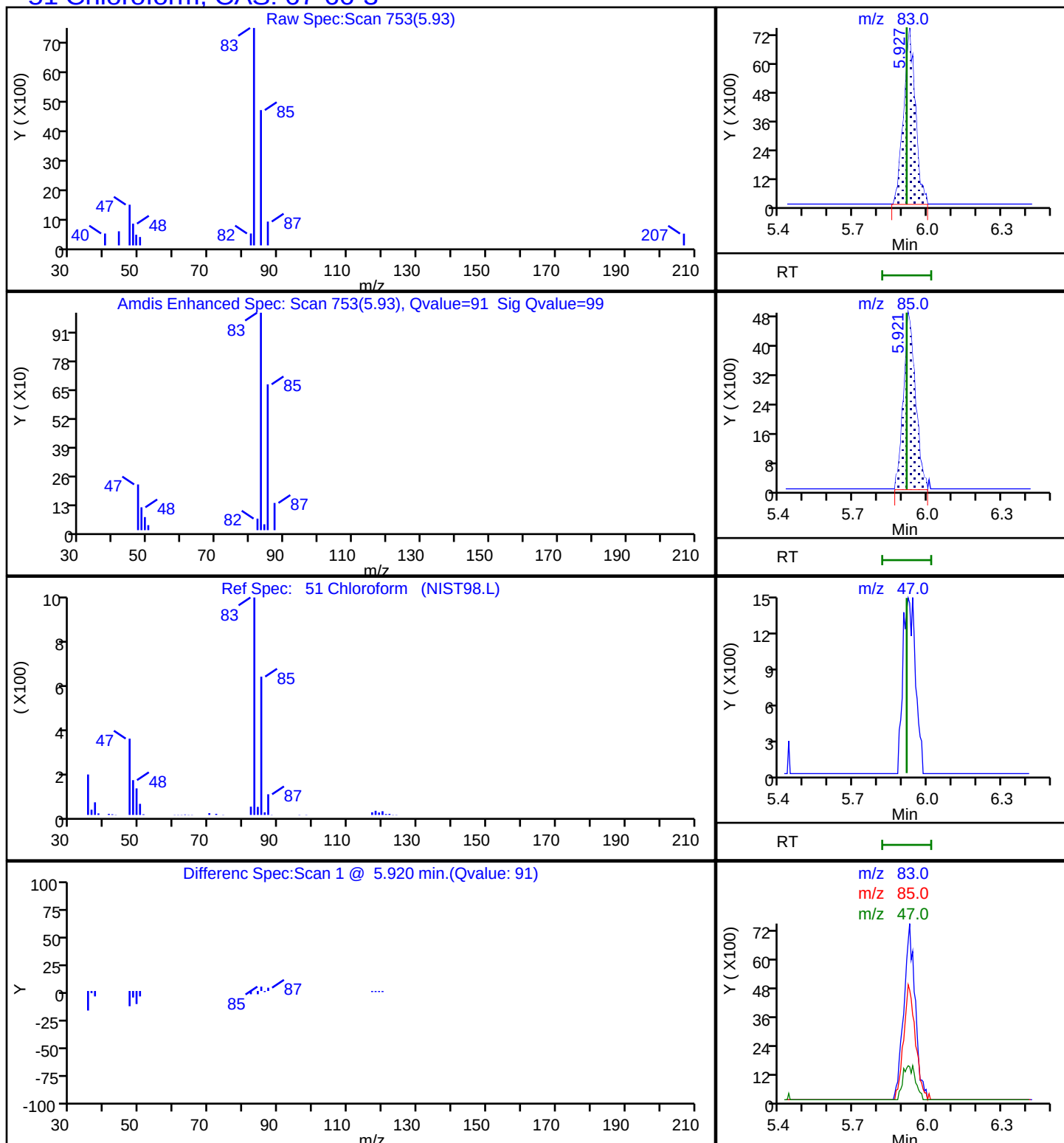
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm i.d.)

MS Quad

51 Chloroform, CAS: 67-66-3

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X17.D

Injection Date: 04-Dec-2024 17:11:30

Instrument ID: 16334

Lims ID: 410-198585-A-10

Lab Sample ID: 410-198585-10

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

Operator ID: knk41612

ALS Bottle#: 17

Worklist Smp#: 18

Purge Vol: 25.000 mL

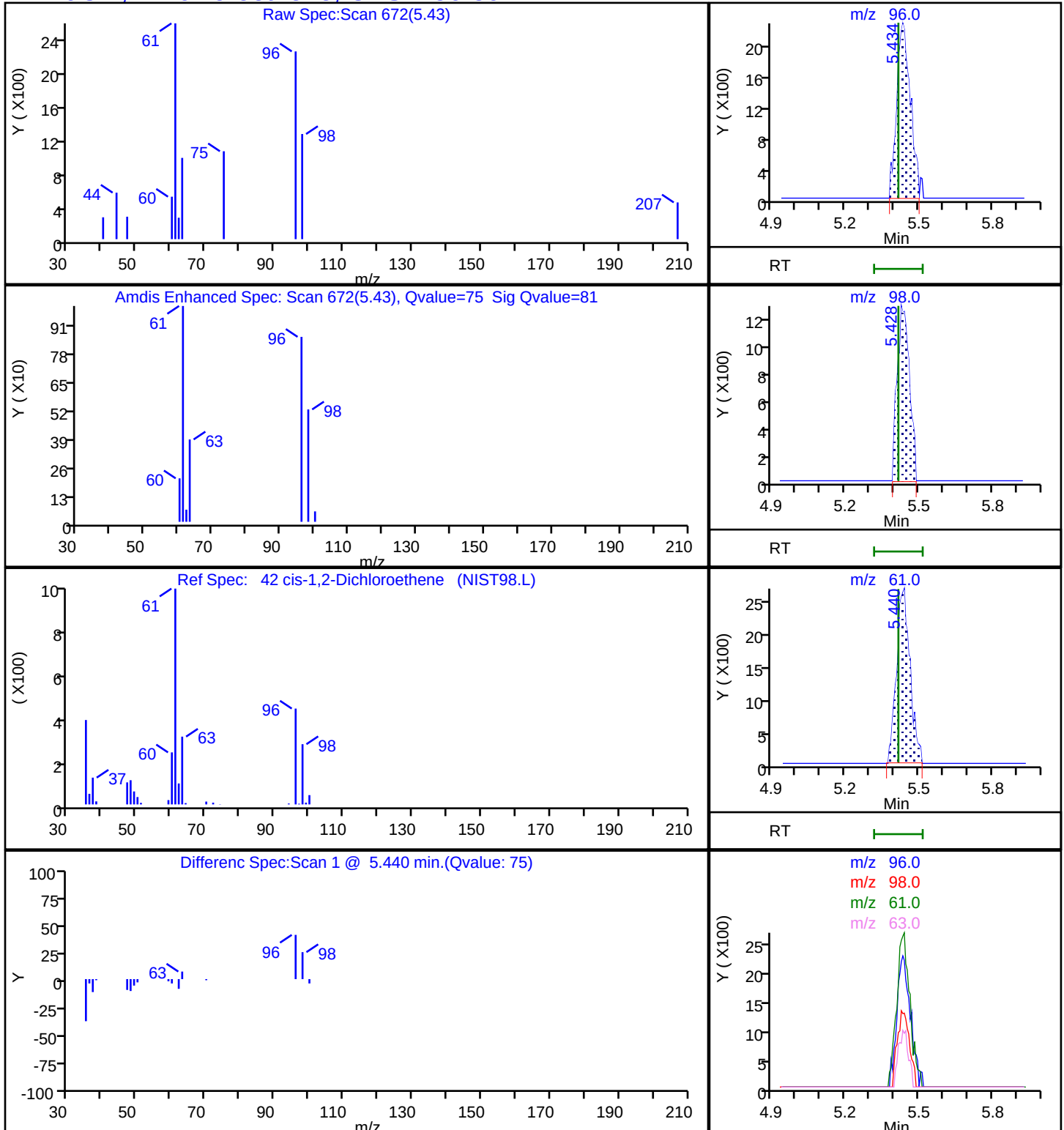
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

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

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X17.D

Injection Date: 04-Dec-2024 17:11:30

Instrument ID: 16334

Lims ID: 410-198585-A-10

Lab Sample ID: 410-198585-10

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

Operator ID: knk41612

ALS Bottle#: 17

Worklist Smp#: 18

Purge Vol: 25.000 mL

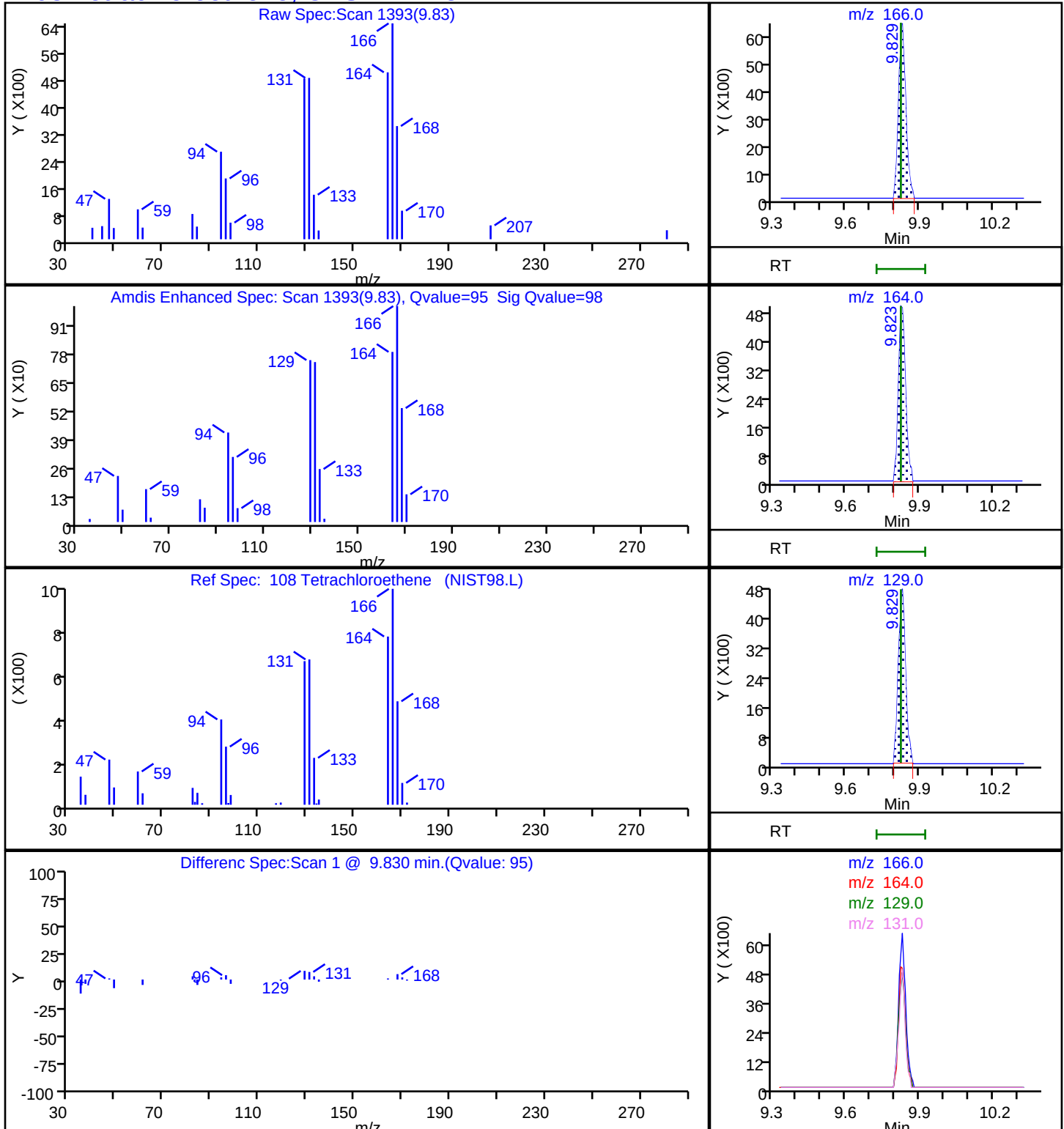
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

108 Tetrachloroethene, CAS: 127-18-4

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X17.D

Injection Date: 04-Dec-2024 17:11:30

Instrument ID: 16334

Lims ID: 410-198585-A-10

Lab Sample ID: 410-198585-10

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

Operator ID: knk41612

ALS Bottle#: 17

Worklist Smp#: 18

Purge Vol: 25.000 mL

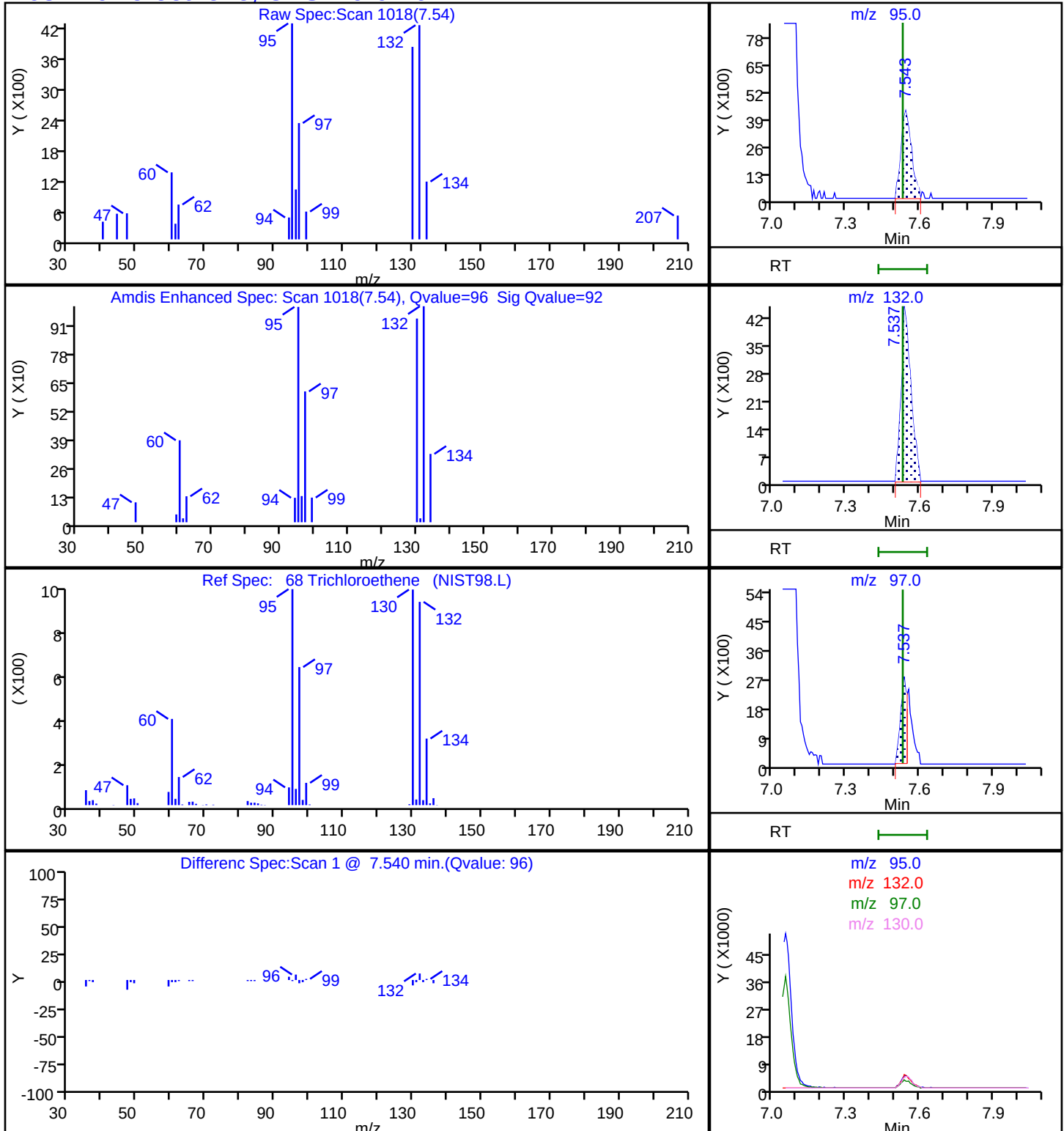
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID) x 100m

MS Quad

68 Trichloroethene, CAS: 79-01-6

Eurofins Lancaster Laboratories Environment Testing, LLC

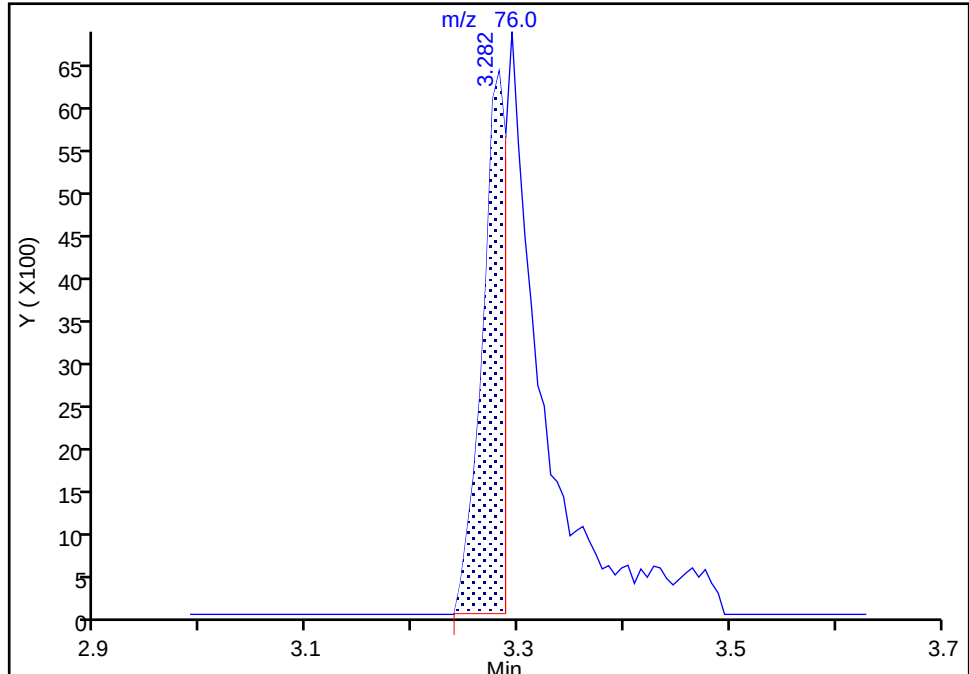
Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X17.D
Injection Date: 04-Dec-2024 17:11:30 Instrument ID: 16334
Lims ID: 410-198585-A-10 Lab Sample ID: 410-198585-10
Client ID: HD-COD-SW-27-0/1-0
Operator ID: knk41612 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

24 Carbon disulfide, CAS: 75-15-0

Signal: 1

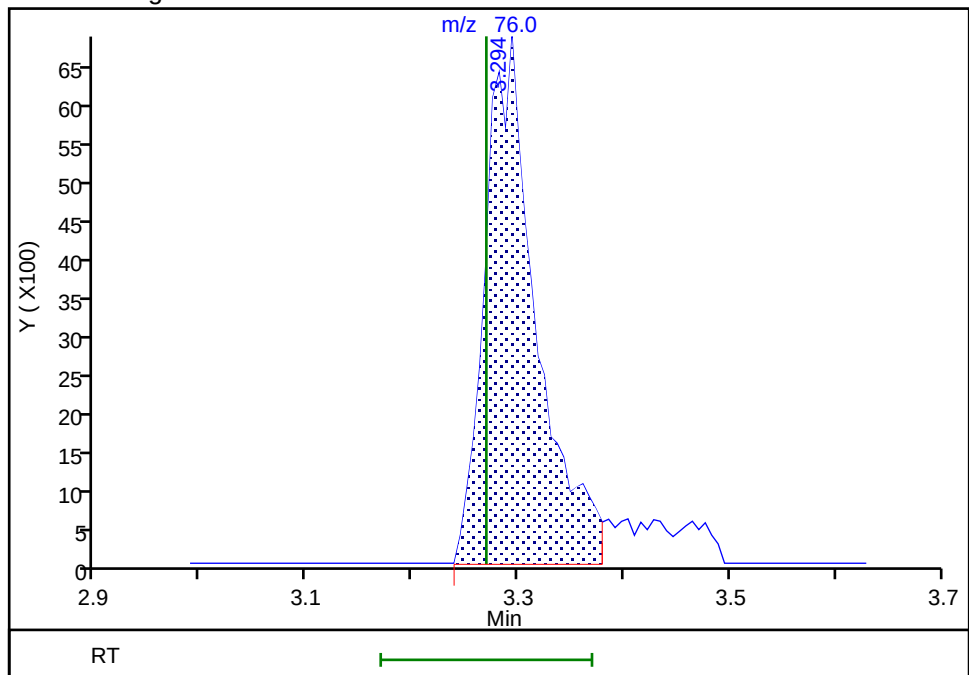
RT: 3.28
Area: 10091
Amount: 0.070507
Amount Units: ug/l

Processing Integration Results



RT: 3.29
Area: 22993
Amount: 0.160654
Amount Units: ug/l

Manual Integration Results



Reviewer: FQ4L, 06-Dec-2024 07:23:42 07:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

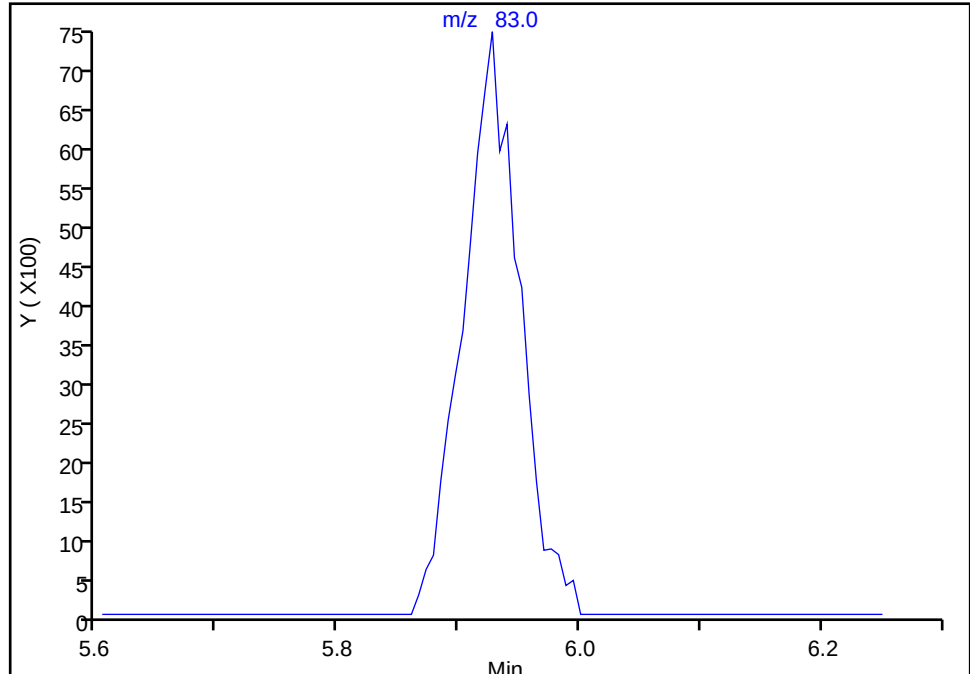
Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X17.D
Injection Date: 04-Dec-2024 17:11:30 Instrument ID: 16334
Lims ID: 410-198585-A-10 Lab Sample ID: 410-198585-10
Client ID: HD-COD-SW-27-0/1-0
Operator ID: knk41612 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

51 Chloroform, CAS: 67-66-3

Signal: 1

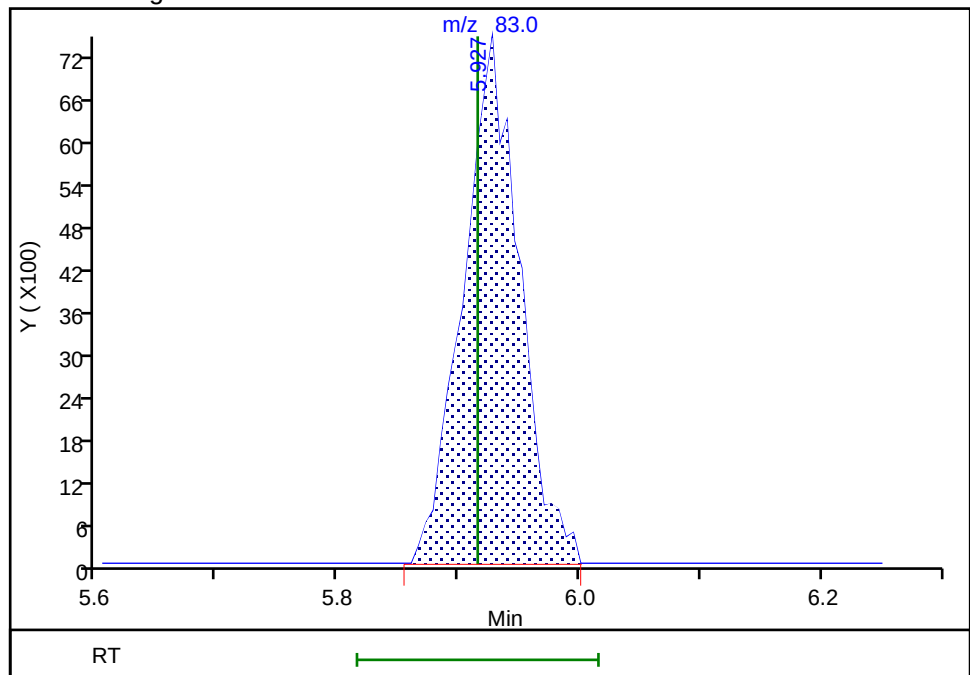
Not Detected
Expected RT: 5.92

Processing Integration Results



RT: 5.93
Area: 24140
Amount: 0.296023
Amount Units: ug/l

Manual Integration Results



Reviewer: FQ4L, 06-Dec-2024 07:23:50 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.: 410-198585-1

SDG No.:

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

Lab Sample ID: 410-198585-11

Matrix: Water

Lab File ID: GD04X18.D

Analysis Method: 8260D

Date Collected: 11/25/2024 12:40

Sample wt/vol: 25 (mL)

Date Analyzed: 12/04/2024 17:33

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 581981

Units: ug/L

Preparation Batch No.:

Instrument ID: 16334

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	9.4		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	0.12	J	0.50	0.090
74-87-3	Chloromethane	ND		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	0.15	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	0.26	J	0.50	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-198585-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: HD-COD-SW-28-0/1-0 Lab Sample ID: 410-198585-11

Matrix: Water Lab File ID: GD04X18.D

Analysis Method: 8260D Date Collected: 11/25/2024 12:40

Sample wt/vol: 25 (mL) Date Analyzed: 12/04/2024 17:33

Soil Aliquot Vol: _____ Dilution Factor: 1

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

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

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

Analysis Batch No.: 581981 Units: ug/L

Preparation Batch No.: _____ Instrument ID: 16334

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	0.22	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)	98		80-120
460-00-4	4-Bromofluorobenzene (Surr)	98		80-120
1868-53-7	Dibromofluoromethane (Surr)	100		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\16334\20241204-132342.b\GD04X18.D
 Lims ID: 410-198585-A-11
 Client ID: HD-COD-SW-28-0/1-0
 Sample Type: Client
 Inject. Date: 04-Dec-2024 17:33:30 ALS Bottle#: 18 Worklist Smp#: 19
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0132342-019
 Operator ID: knk41612 Instrument ID: 16334
 Method: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\MSV_16334_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 10-Dec-2024 07:16:03 Calib Date: 03-Dec-2024 18:18:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1605

First Level Reviewer: FQ4L

Date: 10-Dec-2024 07:20:03

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50		1.873				ND	
6 Vinyl chloride	62		1.977				ND	
9 Bromomethane	94		2.264				ND	
10 Chloroethane	64		2.300				ND	
18 1,1-Dichloroethene	96		3.020				ND	
19 Acetone	43	3.068	3.050	0.018	100	35092	9.43	
24 Carbon disulfide	76	3.288	3.269	0.019	98	13584	0.0948	
29 Methylene Chloride	84		3.574				ND	
* 30 t-Butyl alcohol-d10 (IS)	65	3.605	3.617	-0.012	21	64836	50.0	
34 trans-1,2-Dichloroethene	96		3.928				ND	
33 Methyl tert-butyl ether	73		3.928				ND	
37 1,1-Dichloroethane	63		4.556				ND	
41 2-Butanone (MEK)	43		5.391				ND	
42 cis-1,2-Dichloroethene	96	5.433	5.415	0.018	77	7319	0.1457	
49 Chlorobromomethane	128		5.751				ND	
51 Chloroform	83	5.921	5.915	0.006	76	10157	0.1244	
\$ 52 Dibromofluoromethane (Surr)	113	6.147	6.135	0.012	93	408163	9.98	
53 1,1,1-Trichloroethane	97		6.141				ND	
55 Carbon tetrachloride	117		6.354				ND	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.598	6.592	0.006	65	76702	9.83	
60 Benzene	78		6.622				ND	
61 1,2-Dichloroethane	62		6.696				ND	
* 64 Fluorobenzene (IS)	96	7.049	7.043	0.006	99	1732866	10.0	
68 Trichloroethene	95	7.537	7.531	0.006	96	11084	0.2242	
70 1,2-Dichloropropane	63		7.866				ND	
76 Dichlorobromomethane	83		8.226				ND	
81 cis-1,3-Dichloropropene	75		8.799				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.006				ND	
\$ 83 Toluene-d8 (Surr)	98	9.140	9.134	0.006	93	1702715	9.82	
84 Toluene	92	9.225	9.220	0.005	99	6744	0.0560	
85 trans-1,3-Dichloropropene	75		9.518				ND	
107 1,1,2-Trichloroethane	97		9.732				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
108 Tetrachloroethene	166	9.829	9.823	0.006	96	14291	0.2630	
110 2-Hexanone	43		9.988				ND	
112 Chlorodibromomethane	129		10.134				ND	
113 Ethylene Dibromide	107		10.244				ND	
* 114 Chlorobenzene-d5 (IS)	117	10.707	10.707	0.000	85	1249803	10.0	
116 Chlorobenzene	112		10.731				ND	
117 1,1,1,2-Tetrachloroethane	131		10.823				ND	
118 Ethylbenzene	91		10.829				ND	7
120 m-Xylene & p-Xylene	106	10.957	10.951	0.006	98	4421	0.0489	
S 119 Xylenes, Total	106		11.245				ND	7
121 o-Xylene	106		11.292				ND	7
122 Styrene	104		11.304				ND	7
123 Bromoform	173		11.457				ND	
\$ 127 4-Bromofluorobenzene (Surr)	95	11.743	11.743	0.000	91	584828	9.76	
128 1,1,2,2-Tetrachloroethane	83		11.859				ND	
* 142 1,4-Dichlorobenzene-d4	152	12.639	12.640	-0.001	95	685616	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

MSV_29_826ISS_00057

Amount Added: 1.20

Units: uL

Run Reagent

Report Date: 10-Dec-2024 07:20:03

Chrom Revision: 2.3 12-Nov-2024 16:55:22

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X18.D

Injection Date: 04-Dec-2024 17:33:30

Instrument ID: 16334

Operator ID: knk41612

Lims ID: 410-198585-A-11

Lab Sample ID: 410-198585-11

Worklist Smp#: 19

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

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

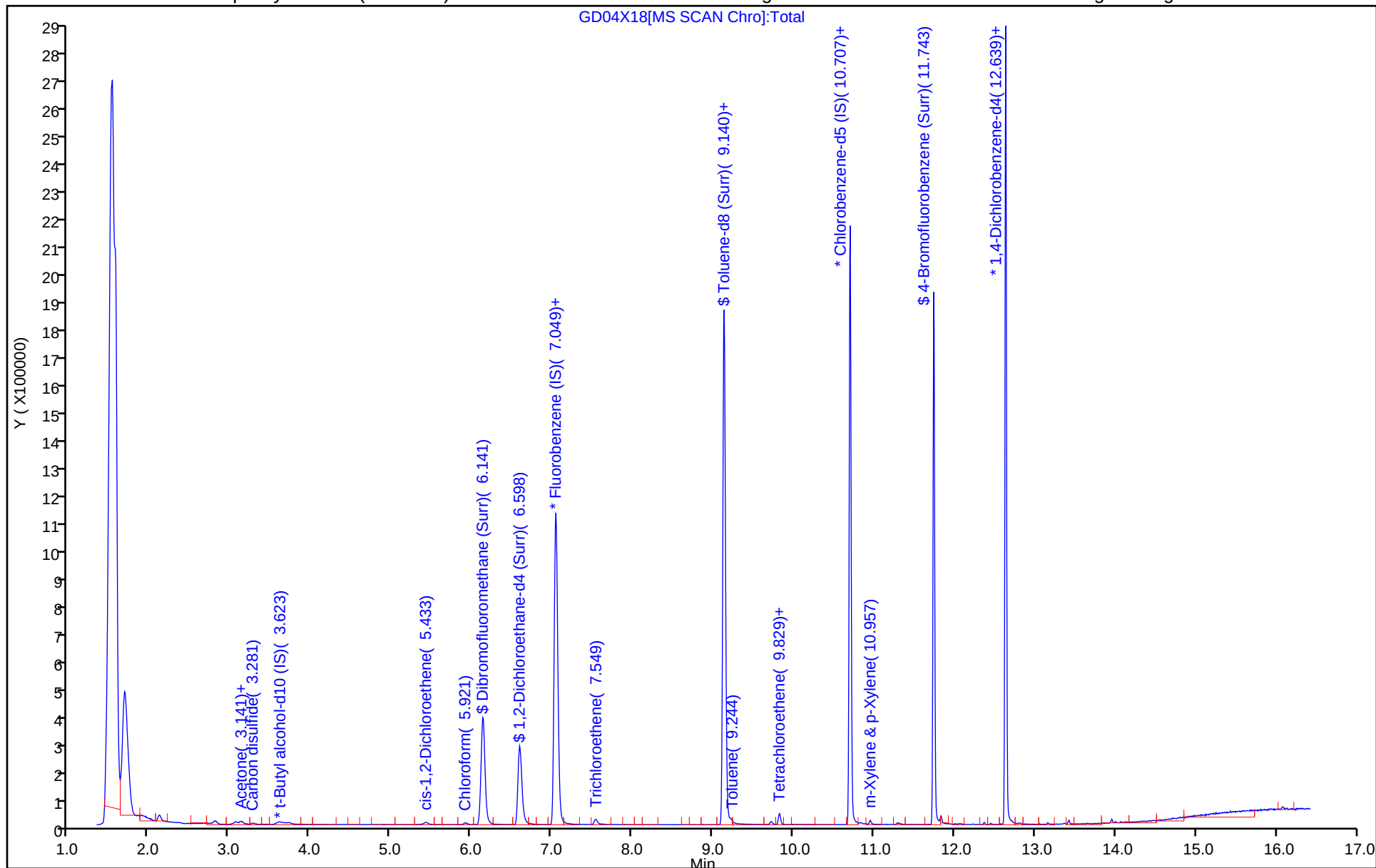
ALS Bottle#: 18

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X18.D
Lims ID: 410-198585-A-11
Client ID: HD-COD-SW-28-0/1-0
Sample Type: Client
Inject. Date: 04-Dec-2024 17:33:30 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0132342-019
Operator ID: knk41612 Instrument ID: 16334
Method: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 10-Dec-2024 07:16:03 Calib Date: 03-Dec-2024 18:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X18.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1605

First Level Reviewer: FQ4L

Date: 10-Dec-2024 07:20:03

Compound	Amount Added	Amount Recovered	% Rec.
\$ 52 Dibromofluoromethane (Surr)	10.0	9.98	99.83
\$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	9.83	98.34
\$ 83 Toluene-d8 (Surr)	10.0	9.82	98.15
\$ 127 4-Bromofluorobenzene (Surr)	10.0	9.76	97.62

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X18.D

Injection Date: 04-Dec-2024 17:33:30

Instrument ID: 16334

Lims ID: 410-198585-A-11

Lab Sample ID: 410-198585-11

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

Operator ID: knk41612

ALS Bottle#: 18

Worklist Smp#: 19

Purge Vol: 25.000 mL

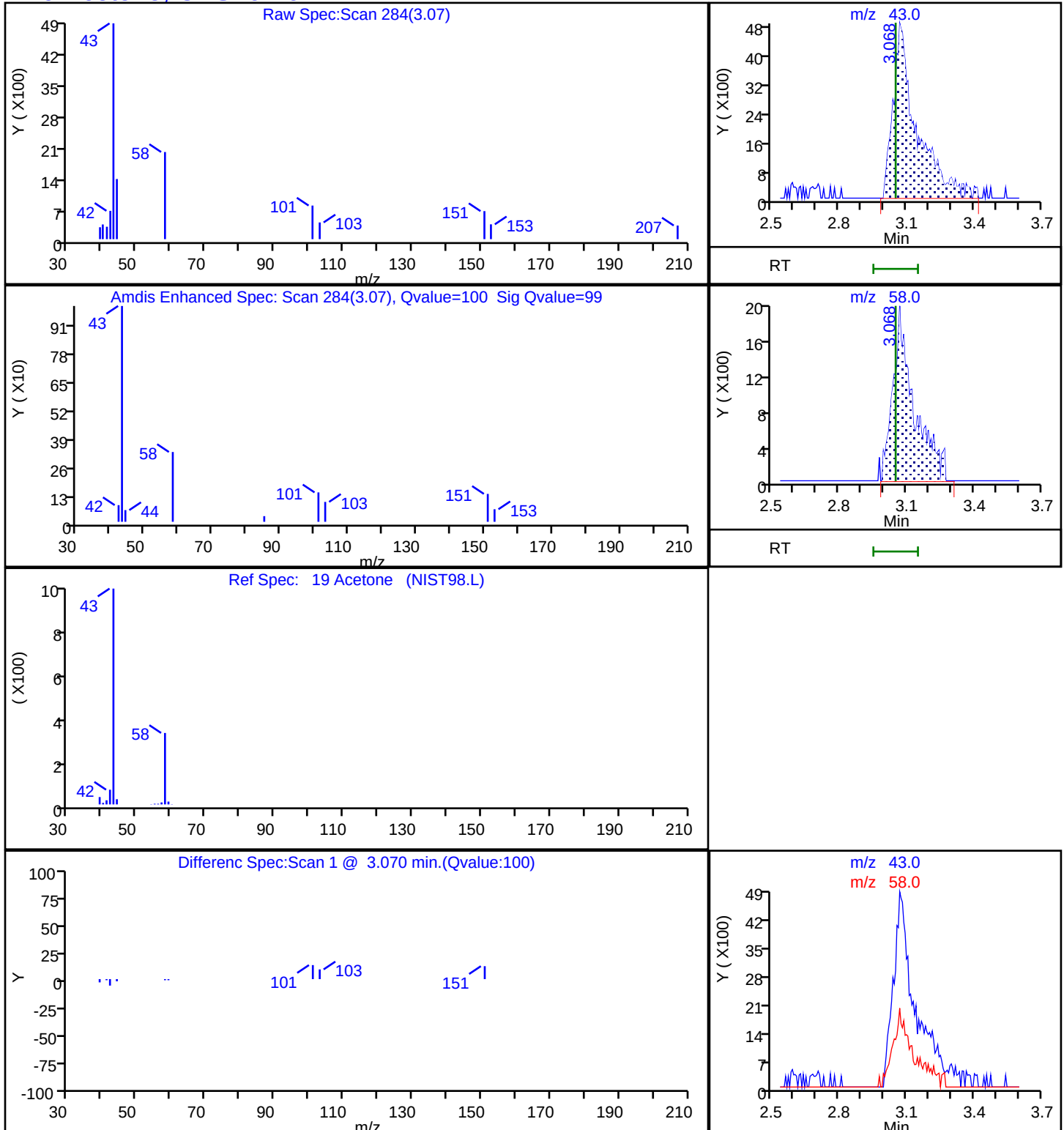
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

19 Acetone, CAS: 67-64-1

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X18.D

Injection Date: 04-Dec-2024 17:33:30

Instrument ID: 16334

Lims ID: 410-198585-A-11

Lab Sample ID: 410-198585-11

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

Operator ID: knk41612

ALS Bottle#: 18

Worklist Smp#: 19

Purge Vol: 25.000 mL

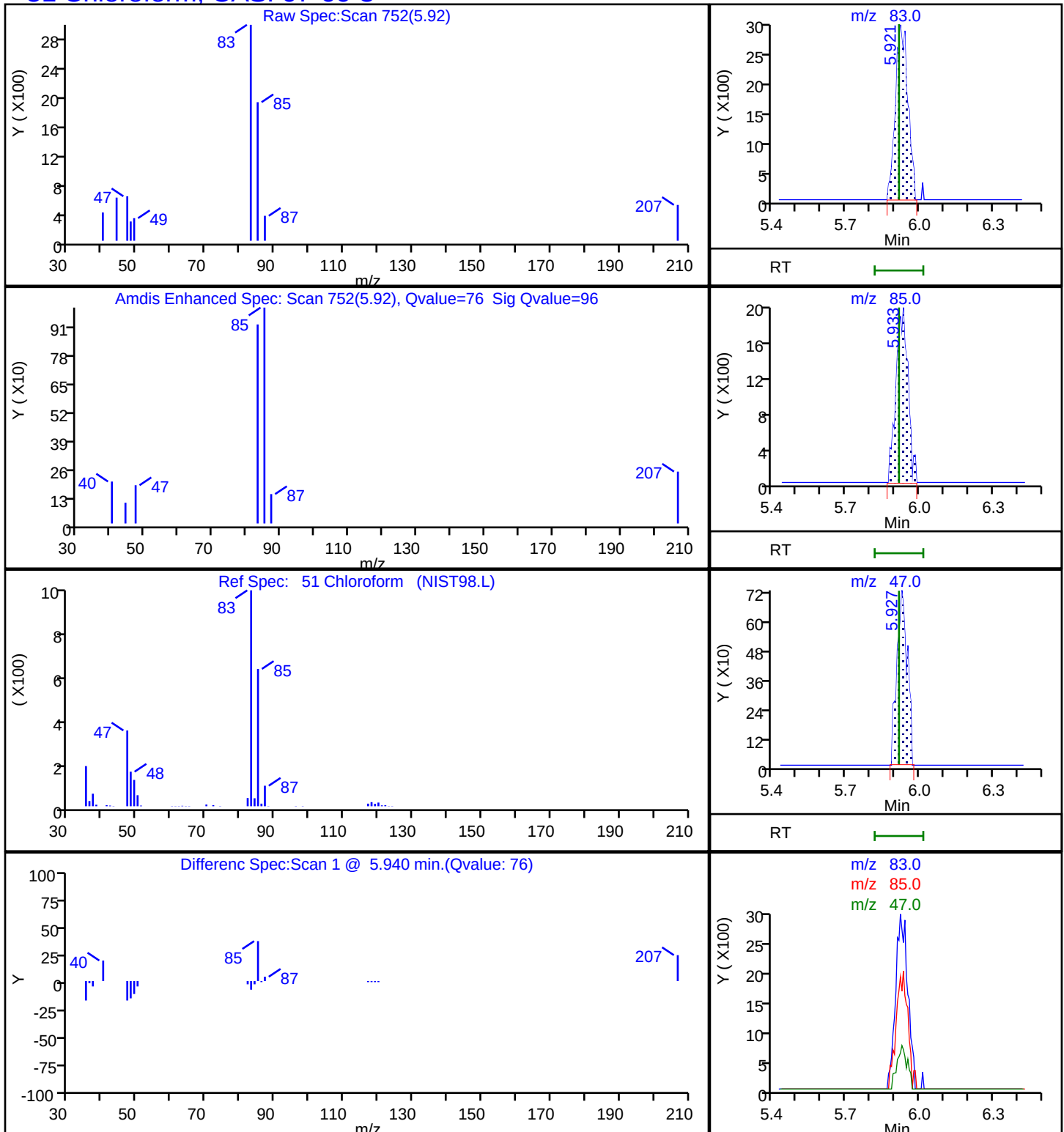
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

51 Chloroform, CAS: 67-66-3

Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X18.D

Injection Date: 04-Dec-2024 17:33:30

Instrument ID: 16334

Lims ID: 410-198585-A-11

Lab Sample ID: 410-198585-11

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

Operator ID: knk41612

ALS Bottle#: 18

Worklist Smp#: 19

Purge Vol: 25.000 mL

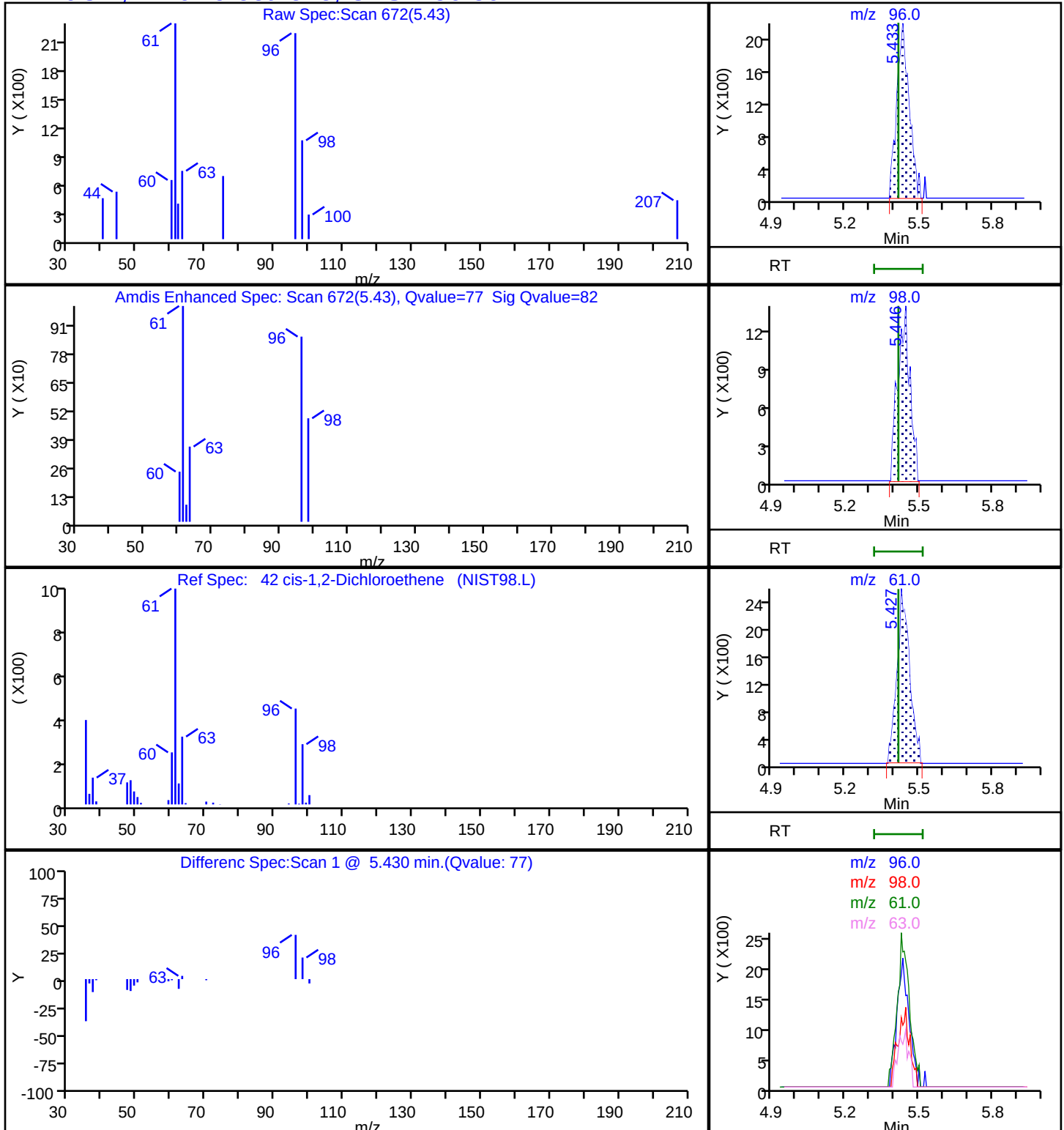
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

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

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X18.D

Injection Date: 04-Dec-2024 17:33:30

Instrument ID: 16334

Lims ID: 410-198585-A-11

Lab Sample ID: 410-198585-11

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

Operator ID: knk41612

ALS Bottle#: 18

Worklist Smp#: 19

Purge Vol: 25.000 mL

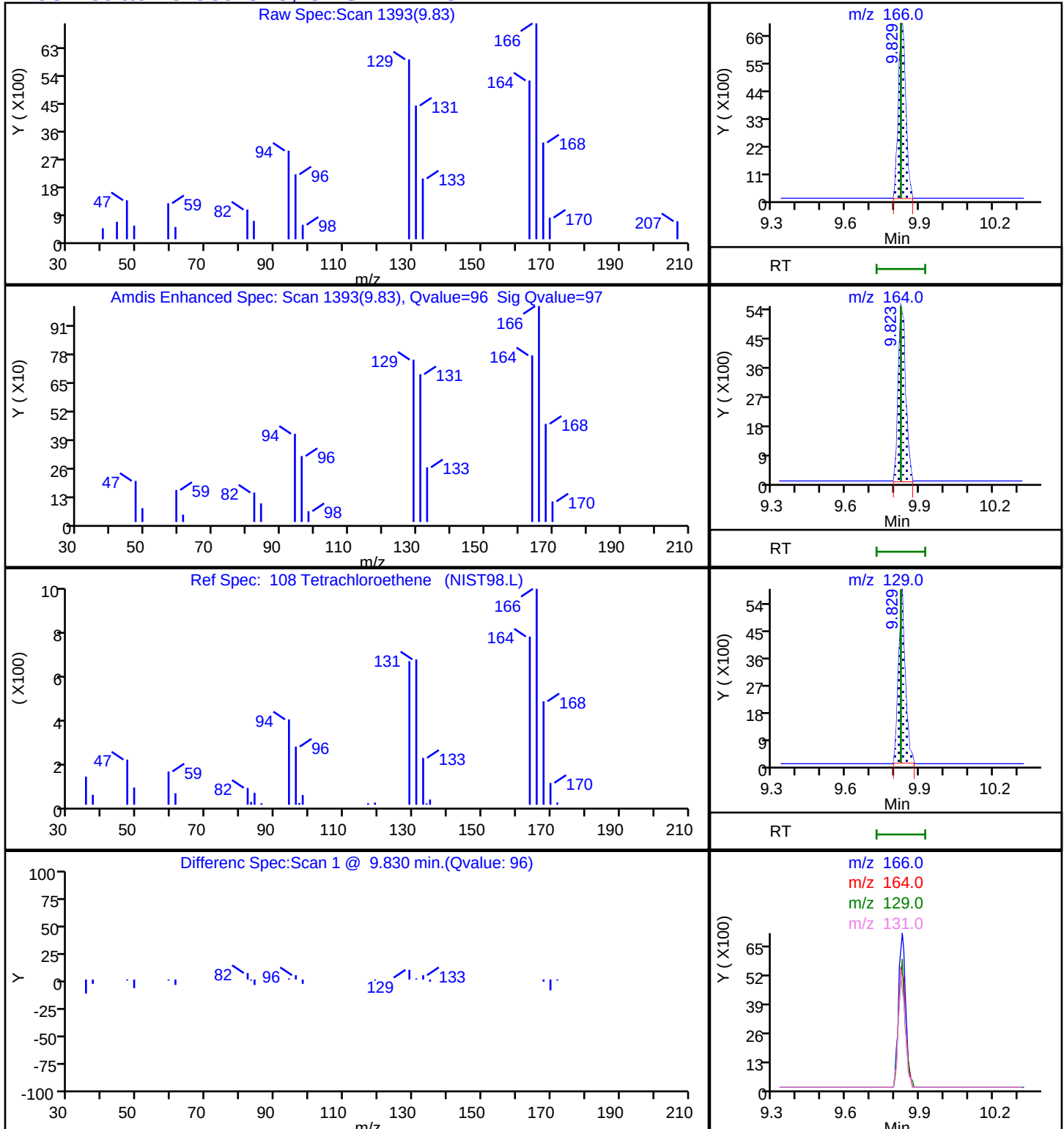
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

108 Tetrachloroethene, CAS: 127-18-4

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X18.D

Injection Date: 04-Dec-2024 17:33:30

Instrument ID: 16334

Lims ID: 410-198585-A-11

Lab Sample ID: 410-198585-11

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

Operator ID: knk41612

ALS Bottle#: 18

Worklist Smp#: 19

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

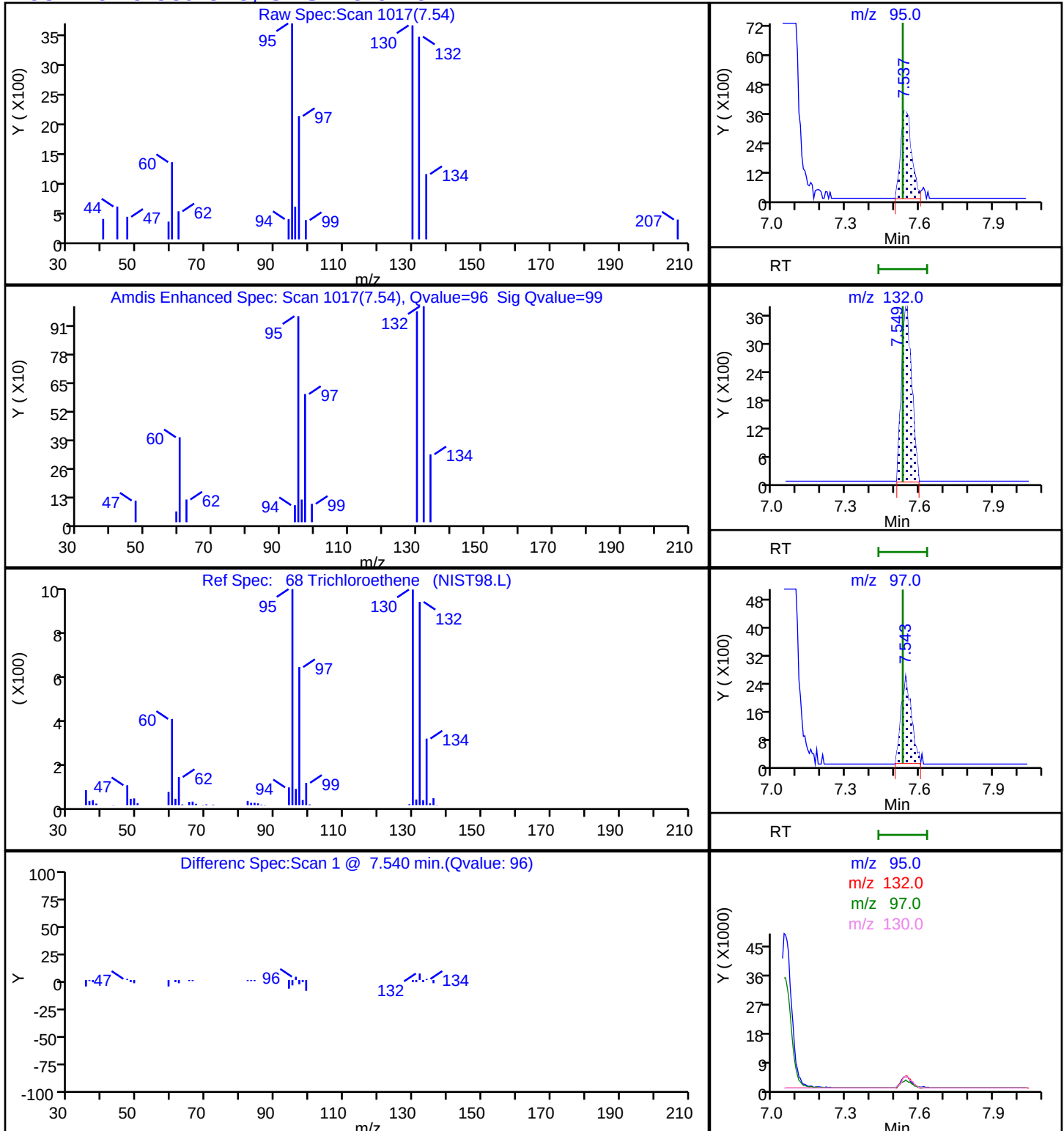
Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID) 50m

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.: 410-198585-1

SDG No.:

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

Lab Sample ID: 410-198585-12

Matrix: Water

Lab File ID: GD04X19.D

Analysis Method: 8260D

Date Collected: 11/25/2024 09:10

Sample wt/vol: 25 (mL)

Date Analyzed: 12/04/2024 17:55

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 581981

Units: ug/L

Preparation Batch No.:

Instrument ID: 16334

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	19		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	0.12	J	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	0.92		0.50	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC	Job No.: 410-198585-1
SDG No.:	
Client Sample ID: HD-COD-SW-29-0/1-0	Lab Sample ID: 410-198585-12
Matrix: Water	Lab File ID: GD04X19.D
Analysis Method: 8260D	Date Collected: 11/25/2024 09:10
Sample wt/vol: 25 (mL)	Date Analyzed: 12/04/2024 17:55
Soil Aliquot Vol:	Dilution Factor: 1
Soil Extract Vol.:	GC Column: R-624SilMS 30m ID: 0.25 (mm)
Purge Volume: 25.0 (mL)	Heated Purge: (Y/N) N pH:
% Moisture: % Solids:	Level: (low/med) Low
Analysis Batch No.: 581981	Units: ug/L
Preparation Batch No.:	Instrument ID: 16334

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	0.33	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)	96		80-120
1868-53-7	Dibromofluoromethane (Surr)	100		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\16334\20241204-132342.b\GD04X19.D
 Lims ID: 410-198585-A-12
 Client ID: HD-COD-SW-29-0/1-0
 Sample Type: Client
 Inject. Date: 04-Dec-2024 17:55:30 ALS Bottle#: 19 Worklist Smp#: 20
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0132342-020
 Operator ID: knk41612 Instrument ID: 16334
 Method: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\MSV_16334_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 10-Dec-2024 07:16:03 Calib Date: 03-Dec-2024 18:18:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1605

First Level Reviewer: FQ4L

Date: 10-Dec-2024 07:20:39

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50		1.873				ND	7
6 Vinyl chloride	62		1.977				ND	7
9 Bromomethane	94		2.264				ND	
10 Chloroethane	64		2.300				ND	
18 1,1-Dichloroethene	96		3.020				ND	
19 Acetone	43	3.062	3.050	0.012	100	68625	18.6	
24 Carbon disulfide	76	3.275	3.269	0.006	99	13196	0.0904	
29 Methylene Chloride	84		3.574				ND	
* 30 t-Butyl alcohol-d10 (IS)	65	3.599	3.617	-0.018	1	64345	50.0	
34 trans-1,2-Dichloroethene	96		3.928				ND	
33 Methyl tert-butyl ether	73		3.928				ND	
37 1,1-Dichloroethane	63		4.556				ND	
41 2-Butanone (MEK)	43		5.391				ND	
42 cis-1,2-Dichloroethene	96	5.427	5.415	0.012	76	10141	0.1980	
49 Chlorobromomethane	128		5.751				ND	
51 Chloroform	83	5.921	5.915	0.006	91	9618	0.1156	
\$ 52 Dibromofluoromethane (Surr)	113	6.141	6.135	0.006	93	416619	10.0	
53 1,1,1-Trichloroethane	97		6.141				ND	U
55 Carbon tetrachloride	117		6.354				ND	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.592	6.592	0.000	65	79901	10.0	
60 Benzene	78		6.622				ND	
61 1,2-Dichloroethane	62		6.696				ND	
* 64 Fluorobenzene (IS)	96	7.043	7.043	0.000	99	1766295	10.0	
68 Trichloroethene	95	7.537	7.531	0.006	98	16829	0.3340	a
70 1,2-Dichloropropane	63		7.866				ND	
76 Dichlorobromomethane	83		8.226				ND	7
81 cis-1,3-Dichloropropene	75		8.799				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.006				ND	7
\$ 83 Toluene-d8 (Surr)	98	9.134	9.134	0.000	93	1751565	9.68	
84 Toluene	92	9.219	9.220	-0.001	98	4328	0.0345	
85 trans-1,3-Dichloropropene	75		9.518				ND	
107 1,1,2-Trichloroethane	97		9.732				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
108 Tetrachloroethene	166	9.823	9.823	0.000	96	52217	0.9212	
110 2-Hexanone	43		9.988				ND	
112 Chlorodibromomethane	129		10.134				ND	
113 Ethylene Dibromide	107		10.244				ND	
* 114 Chlorobenzene-d5 (IS)	117	10.707	10.707	0.000	85	1303490	10.0	
116 Chlorobenzene	112		10.731				ND	
117 1,1,1,2-Tetrachloroethane	131		10.823				ND	
118 Ethylbenzene	91		10.829				ND	7
120 m-Xylene & p-Xylene	106		10.951				ND	7
S 119 Xylenes, Total	106		11.245				ND	7
121 o-Xylene	106		11.292				ND	
122 Styrene	104		11.304				ND	
123 Bromoform	173		11.457				ND	
\$ 127 4-Bromofluorobenzene (Surr)	95	11.743	11.743	0.000	91	598299	9.58	
128 1,1,2,2-Tetrachloroethane	83		11.859				ND	
* 142 1,4-Dichlorobenzene-d4	152	12.639	12.640	-0.001	94	710046	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

a - User Assigned ID

Reagents:

MSV_29_826ISS_00057

Amount Added: 1.20

Units: uL

Run Reagent

Report Date: 10-Dec-2024 07:20:40

Chrom Revision: 2.3 12-Nov-2024 16:55:22

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X19.D

Injection Date: 04-Dec-2024 17:55:30

Instrument ID: 16334

Operator ID: knk41612

Lims ID: 410-198585-A-12

Lab Sample ID: 410-198585-12

Worklist Smp#: 20

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

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

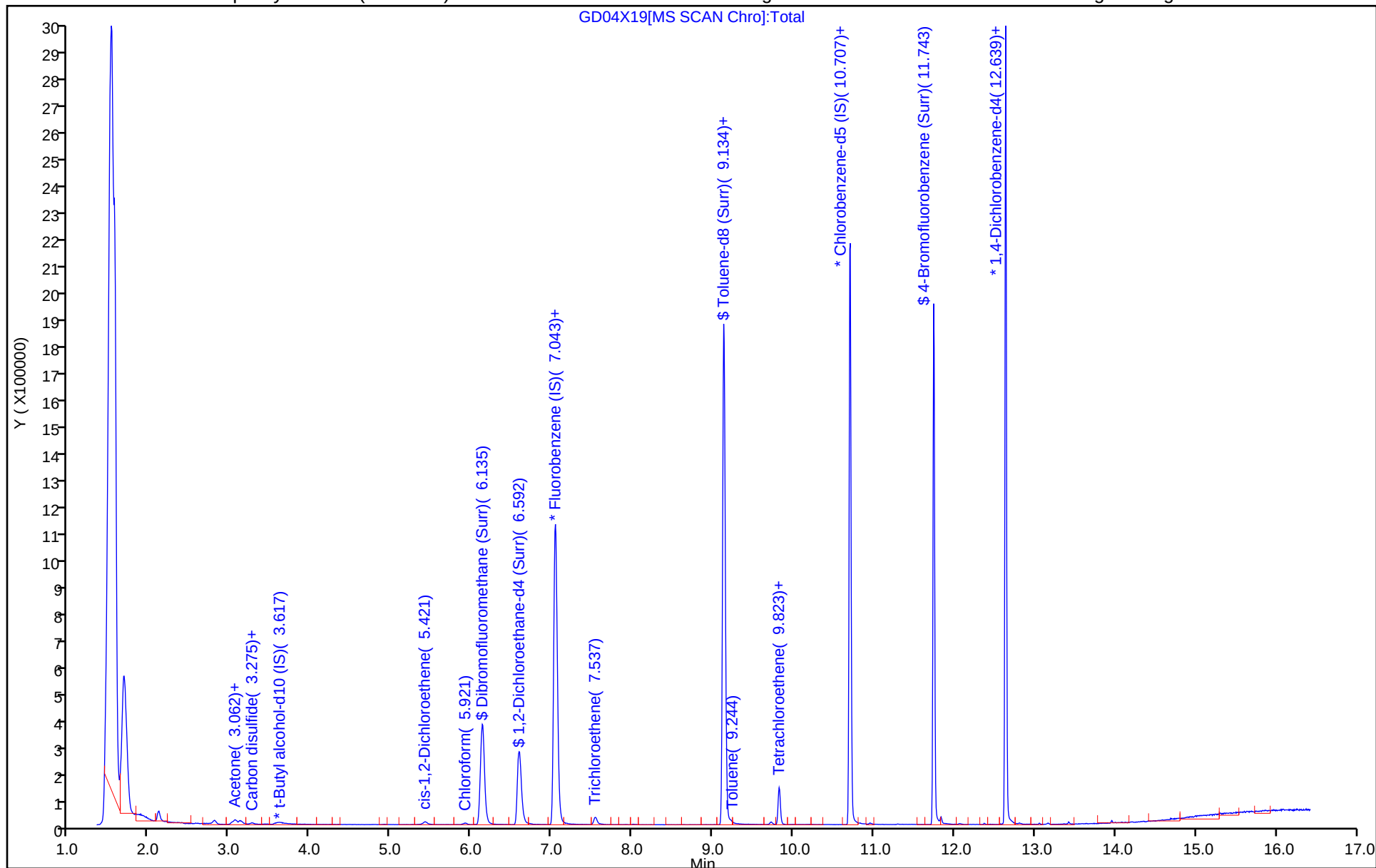
ALS Bottle#: 19

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X19.D
Lims ID: 410-198585-A-12
Client ID: HD-COD-SW-29-0/1-0
Sample Type: Client
Inject. Date: 04-Dec-2024 17:55:30 ALS Bottle#: 19 Worklist Smp#: 20
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0132342-020
Operator ID: knk41612 Instrument ID: 16334
Method: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 10-Dec-2024 07:16:03 Calib Date: 03-Dec-2024 18:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X18.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1605

First Level Reviewer: FQ4L

Date: 10-Dec-2024 07:20:39

Compound	Amount Added	Amount Recovered	% Rec.
\$ 52 Dibromofluoromethane (Surr)	10.0	10.0	99.97
\$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.0	100.50
\$ 83 Toluene-d8 (Surr)	10.0	9.68	96.81
\$ 127 4-Bromofluorobenzene (Surr)	10.0	9.58	95.76

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X19.D

Injection Date: 04-Dec-2024 17:55:30

Instrument ID: 16334

Lims ID: 410-198585-A-12

Lab Sample ID: 410-198585-12

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

Operator ID: knk41612

ALS Bottle#: 19

Worklist Smp#: 20

Purge Vol: 25.000 mL

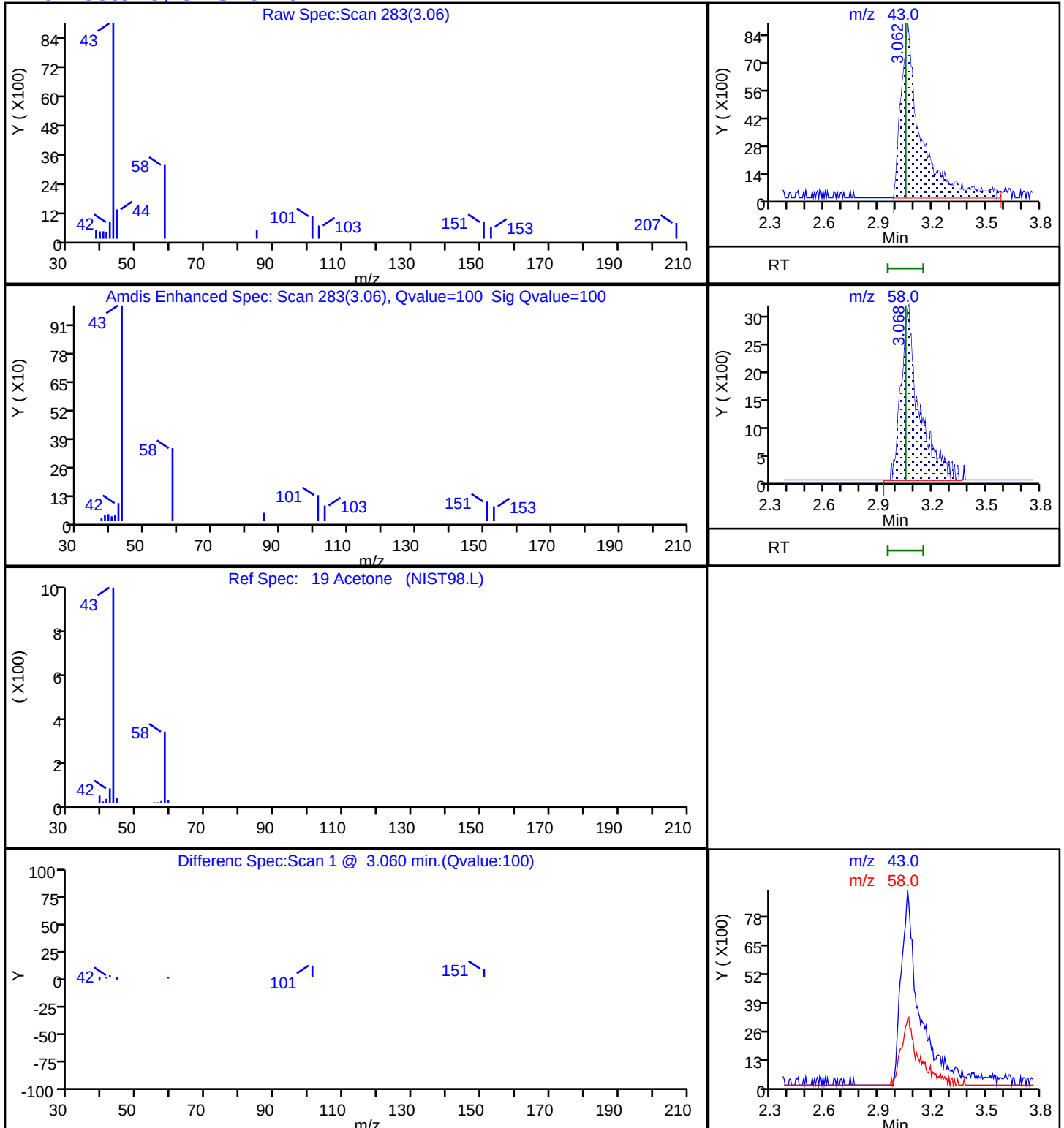
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

19 Acetone, CAS: 67-64-1

Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X19.D

Injection Date: 04-Dec-2024 17:55:30

Instrument ID: 16334

Lims ID: 410-198585-A-12

Lab Sample ID: 410-198585-12

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

Operator ID: knk41612

ALS Bottle#: 19

Worklist Smp#: 20

Purge Vol: 25.000 mL

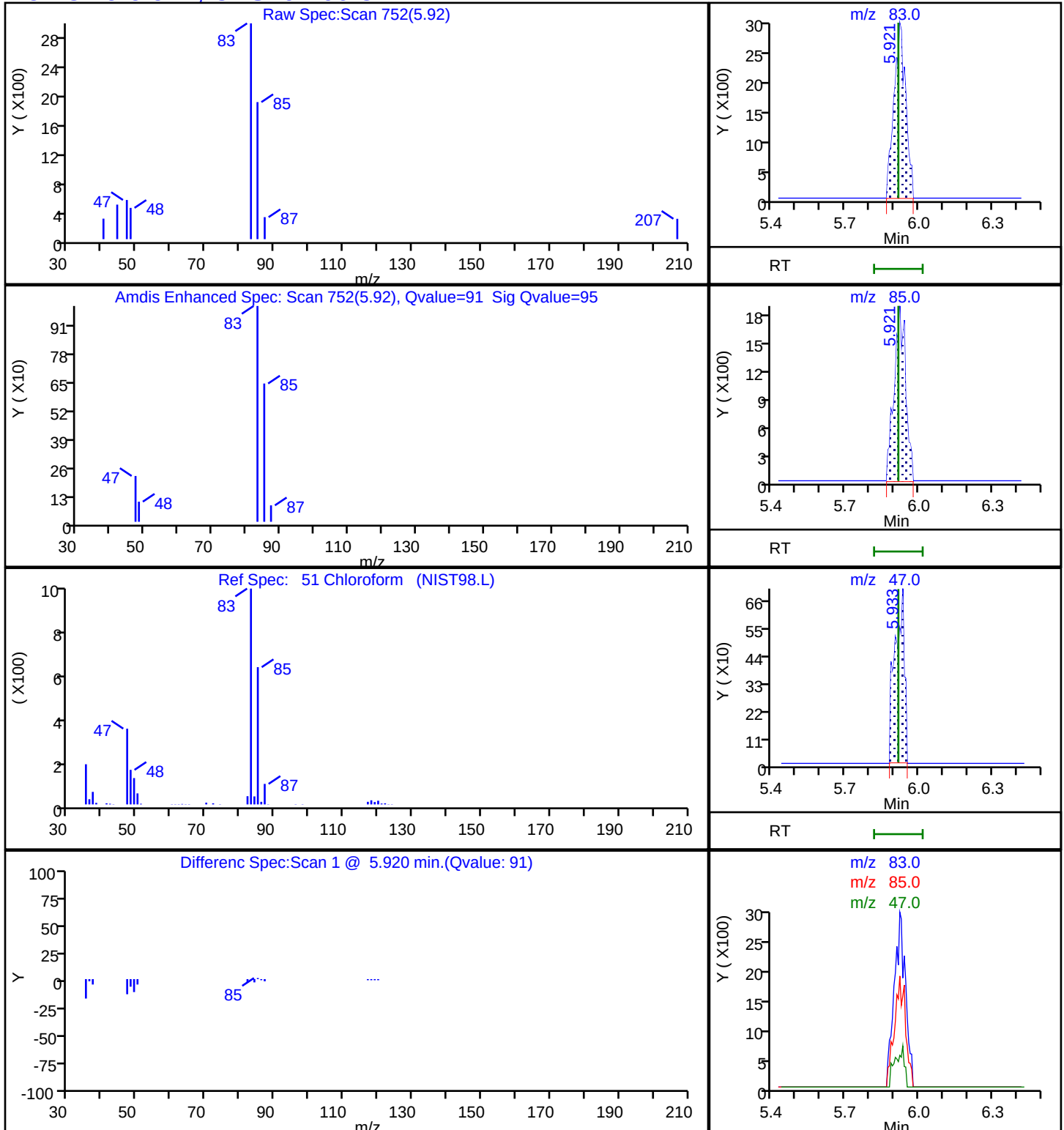
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

51 Chloroform, CAS: 67-66-3

Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X19.D

Injection Date: 04-Dec-2024 17:55:30

Instrument ID: 16334

Lims ID: 410-198585-A-12

Lab Sample ID: 410-198585-12

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

Operator ID: knk41612

ALS Bottle#: 19

Worklist Smp#: 20

Purge Vol: 25.000 mL

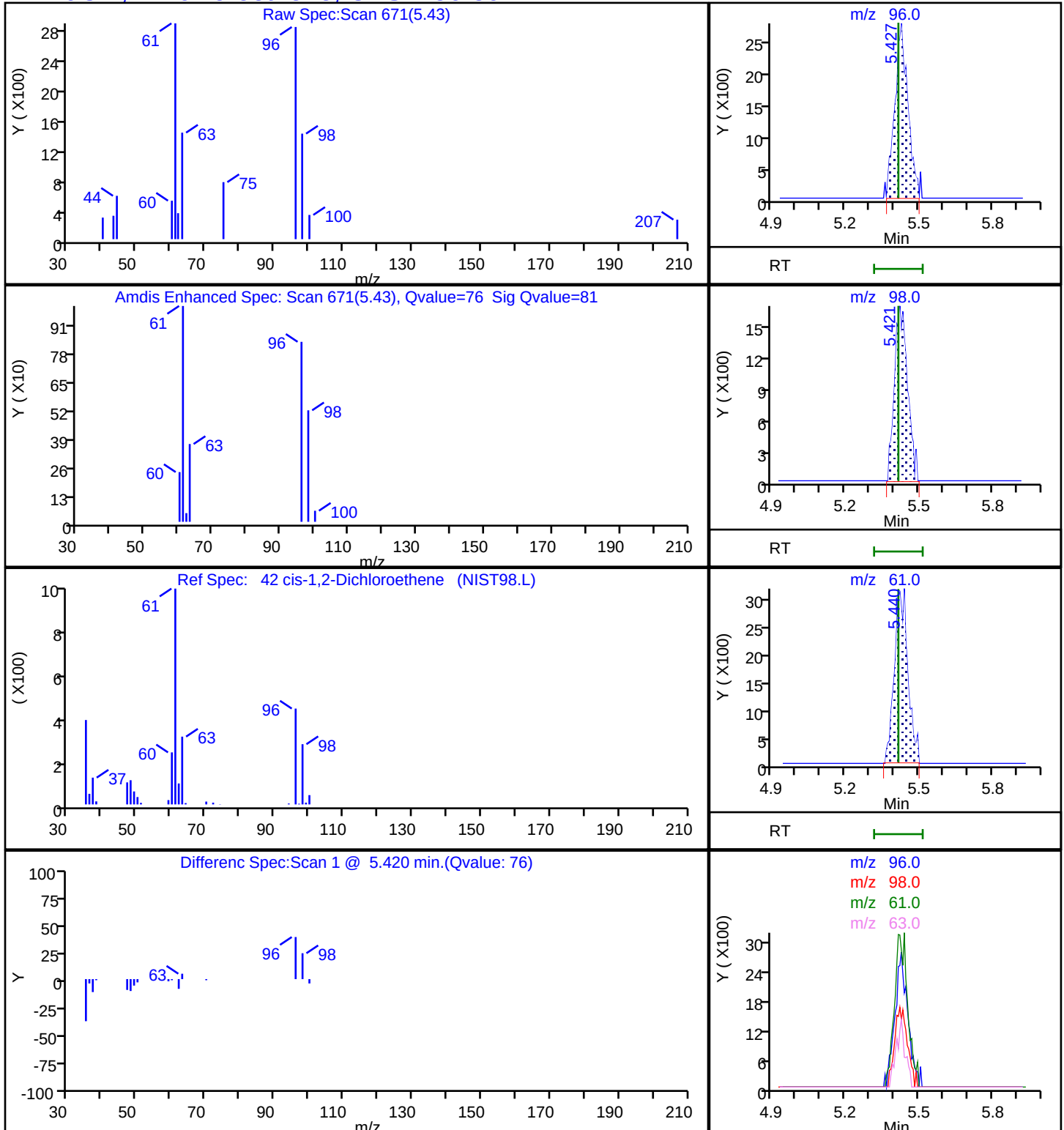
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

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

Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X19.D

Injection Date: 04-Dec-2024 17:55:30

Instrument ID: 16334

Lims ID: 410-198585-A-12

Lab Sample ID: 410-198585-12

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

Operator ID: knk41612

ALS Bottle#: 19

Worklist Smp#: 20

Purge Vol: 25.000 mL

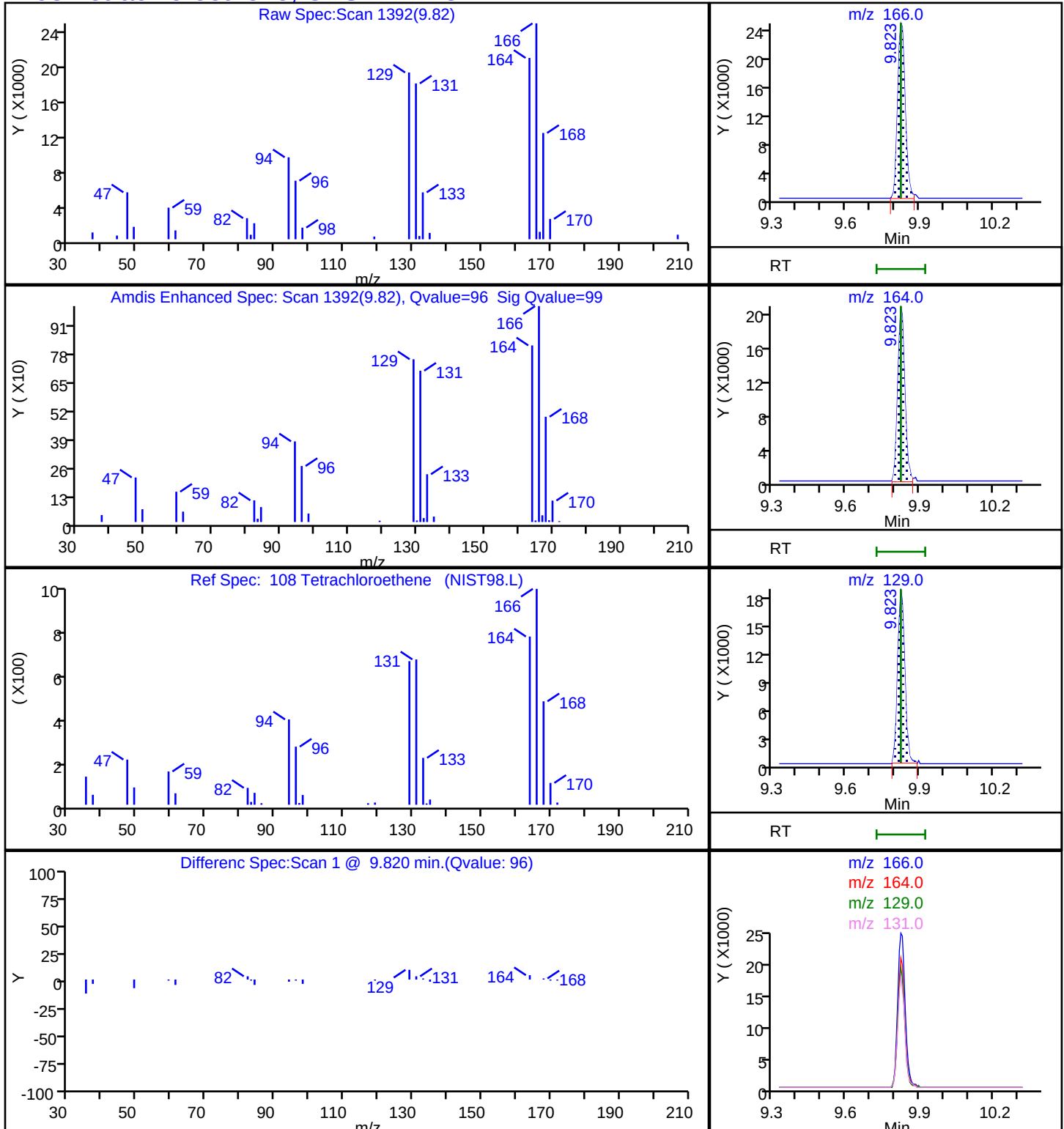
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

108 Tetrachloroethene, CAS: 127-18-4

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X19.D

Injection Date: 04-Dec-2024 17:55:30

Instrument ID: 16334

Lims ID: 410-198585-A-12

Lab Sample ID: 410-198585-12

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

Operator ID: knk41612

ALS Bottle#: 19

Worklist Smp#: 20

Purge Vol: 25.000 mL

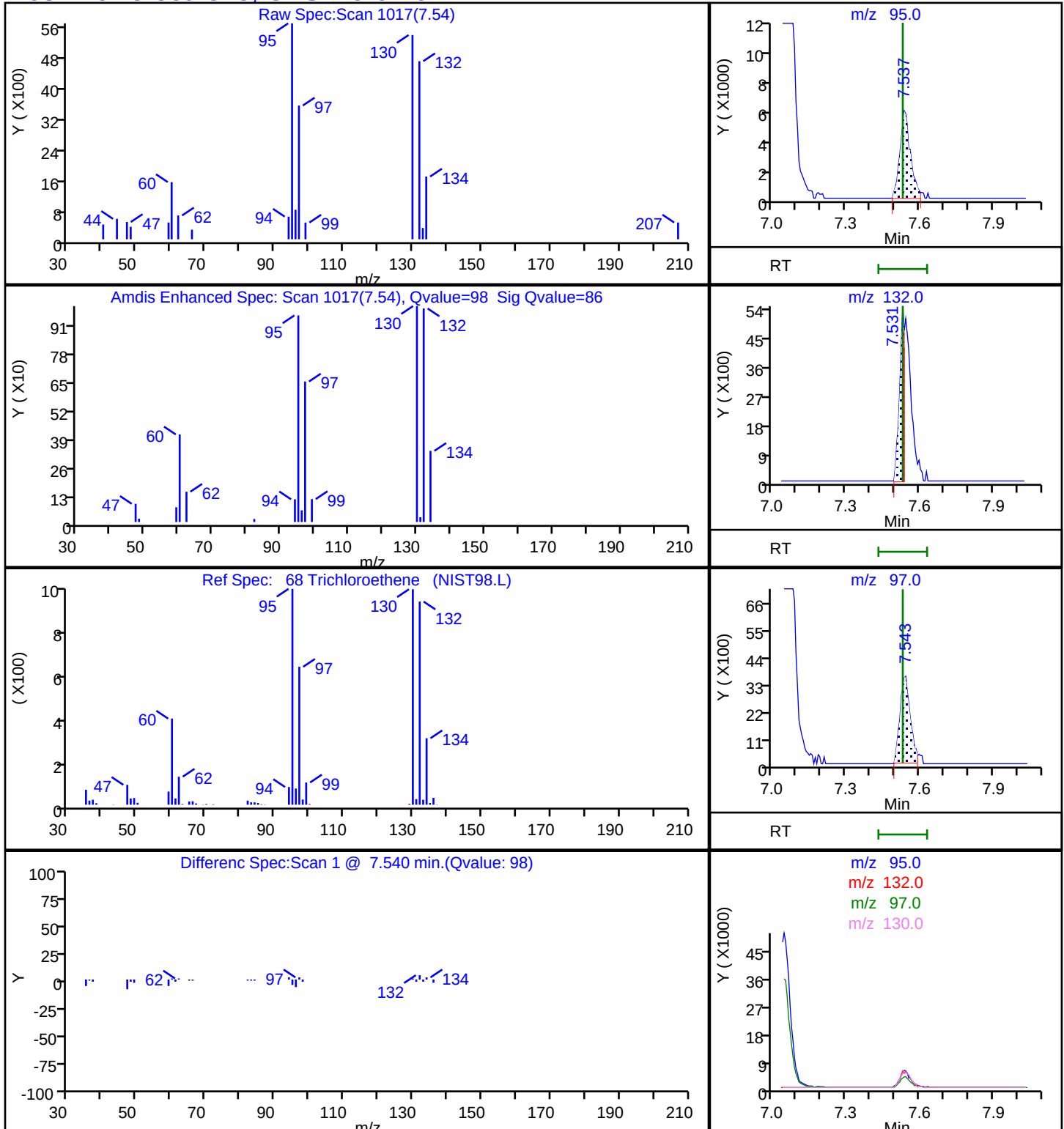
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

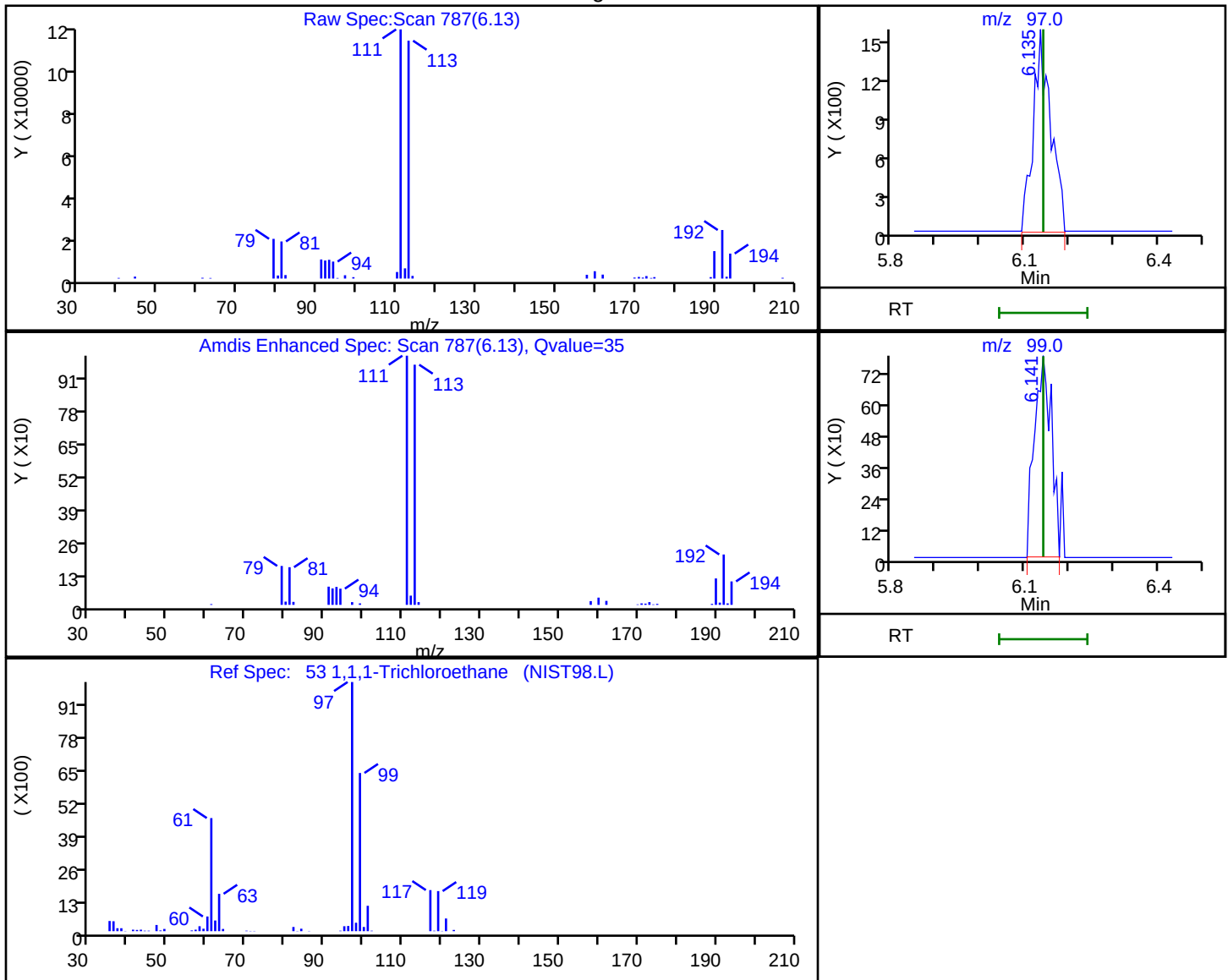
68 Trichloroethene, CAS: 79-01-6

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X19.D
Injection Date: 04-Dec-2024 17:55:30 Instrument ID: 16334
Lims ID: 410-198585-A-12 Lab Sample ID: 410-198585-12
Client ID: HD-COD-SW-29-0/1-0
Operator ID: knk41612 ALS Bottle#: 19 Worklist Smp#: 20
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) MS Quad

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

Processing Results



RT	Mass	Response	Amount
6.13	97.00	4167	0.056563
6.14	99.00	2082	

Reviewer: FQ4L, 06-Dec-2024 07:24:49 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

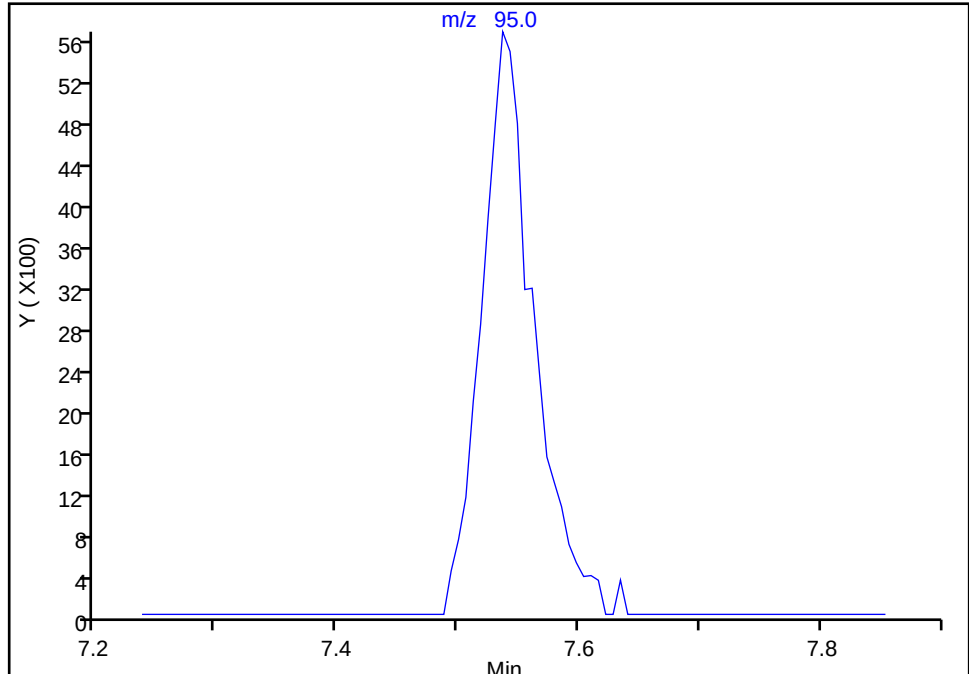
Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X19.D
Injection Date: 04-Dec-2024 17:55:30 Instrument ID: 16334
Lims ID: 410-198585-A-12 Lab Sample ID: 410-198585-12
Client ID: HD-COD-SW-29-0/1-0
Operator ID: knk41612 ALS Bottle#: 19 Worklist Smp#: 20
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

68 Trichloroethene, CAS: 79-01-6

Signal: 1

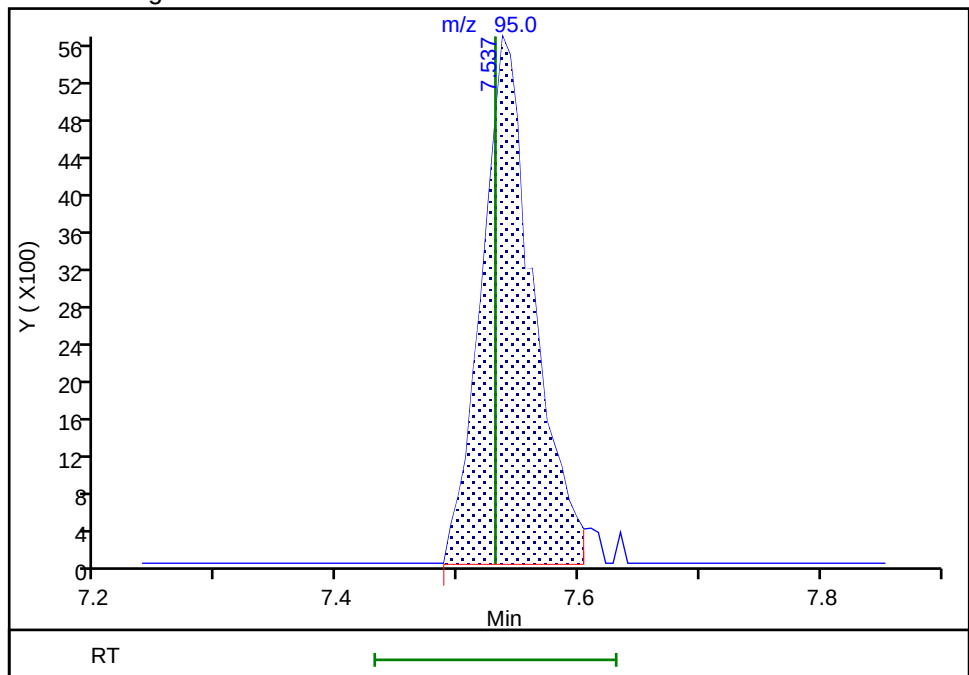
Not Detected
Expected RT: 7.53

Processing Integration Results



RT: 7.54
Area: 16829
Amount: 0.334006
Amount Units: ug/l

Manual Integration Results



Reviewer: FQ4L, 06-Dec-2024 07:24:55 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.: 410-198585-1

SDG No.:

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

Lab Sample ID: 410-198585-13

Matrix: Water

Lab File ID: GD04X20.D

Analysis Method: 8260D

Date Collected: 11/25/2024 12:00

Sample wt/vol: 25 (mL)

Date Analyzed: 12/04/2024 18:17

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 581981

Units: ug/L

Preparation Batch No.:

Instrument ID: 16334

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	13		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	2.1		0.50	0.10
75-35-4	1,1-Dichloroethene	1.1		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	0.16	J	0.50	0.090
74-87-3	Chloromethane	ND		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	3.1		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
108-88-3	Toluene	ND		0.50	0.080

FORM I

GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-198585-1

SDG No. :

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

Lab Sample ID: 410-198585-13

Matrix: Water

Lab File ID: GD04X20.D

Analysis Method: 8260D

Date Collected: 11/25/2024 12:00

Sample wt/vol: 25 (mL)

Date Analyzed: 12/04/2024 18:17

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 581981

Units: ug/L

Preparation Batch No.:

Instrument ID: 16334

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	6.6		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)	98		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X20.D
 Lims ID: 410-198585-A-13
 Client ID: HD-QC1-0/1-1
 Sample Type: Client
 Inject. Date: 04-Dec-2024 18:17:30 ALS Bottle#: 20 Worklist Smp#: 21
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0132342-021
 Operator ID: knk41612 Instrument ID: 16334
 Method: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\MSV_16334_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 10-Dec-2024 07:16:03 Calib Date: 03-Dec-2024 18:18:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1605

First Level Reviewer: FQ4L

Date: 10-Dec-2024 07:21:25

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50		1.873				ND	
6 Vinyl chloride	62		1.977				ND	7
9 Bromomethane	94		2.264				ND	
10 Chloroethane	64		2.300				ND	
18 1,1-Dichloroethene	96	3.038	3.020	0.018	98	41060	1.05	
19 Acetone	43		3.050				ND	
24 Carbon disulfide	76		3.269				ND	
29 Methylene Chloride	84		3.574				ND	
* 30 t-Butyl alcohol-d10 (IS)	65	3.623	3.617	0.006	26	53526	50.0	
34 trans-1,2-Dichloroethene	96		3.928				ND	
33 Methyl tert-butyl ether	73		3.928				ND	7
37 1,1-Dichloroethane	63	4.568	4.556	0.012	96	173976	2.10	
41 2-Butanone (MEK)	43		5.391				ND	
42 cis-1,2-Dichloroethene	96	5.434	5.415	0.019	79	157401	3.14	
49 Chlorobromomethane	128		5.751				ND	
51 Chloroform	83	5.927	5.915	0.012	92	12700	0.1560	
\$ 52 Dibromofluoromethane (Surr)	113	6.147	6.135	0.012	93	410801	10.1	
53 1,1,1-Trichloroethane	97	6.147	6.141	0.006	98	949258	13.2	
55 Carbon tetrachloride	117		6.354				ND	7
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.598	6.592	0.006	65	79482	10.2	
60 Benzene	78		6.622				ND	7
61 1,2-Dichloroethane	62		6.696				ND	
* 64 Fluorobenzene (IS)	96	7.049	7.043	0.006	99	1728458	10.0	
68 Trichloroethene	95	7.543	7.531	0.012	98	324378	6.58	
70 1,2-Dichloropropane	63		7.866				ND	
76 Dichlorobromomethane	83		8.226				ND	
81 cis-1,3-Dichloropropene	75		8.799				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.006				ND	
\$ 83 Toluene-d8 (Surr)	98	9.140	9.134	0.006	93	1732655	9.80	
84 Toluene	92	9.232	9.220	0.012	97	3825	0.0312	
85 trans-1,3-Dichloropropene	75		9.518				ND	
107 1,1,2-Trichloroethane	97		9.732				ND	U

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
108 Tetrachloroethene	166	9.823	9.823	0.000	97	11751110	212.2	E
110 2-Hexanone	43		9.988				ND	
112 Chlorodibromomethane	129		10.134				ND	
113 Ethylene Dibromide	107		10.244				ND	
* 114 Chlorobenzene-d5 (IS)	117	10.707	10.707	0.000	85	1273549	10.0	
116 Chlorobenzene	112	10.737	10.731	0.006	91	2575	0.0187	a
117 1,1,1,2-Tetrachloroethane	131		10.823				ND	
118 Ethylbenzene	91		10.829				ND	
120 m-Xylene & p-Xylene	106		10.951				ND	7
S 119 Xylenes, Total	106		11.245				ND	7
121 o-Xylene	106		11.292				ND	7
122 Styrene	104		11.304				ND	
123 Bromoform	173		11.457				ND	
\$ 127 4-Bromofluorobenzene (Surr)	95	11.743	11.743	0.000	91	582559	9.54	
128 1,1,2,2-Tetrachloroethane	83		11.859				ND	
* 142 1,4-Dichlorobenzene-d4	152	12.639	12.640	-0.001	94	694633	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_29_826ISS_00057

Amount Added: 1.20

Units: uL

Run Reagent

Report Date: 10-Dec-2024 07:21:25

Chrom Revision: 2.3 12-Nov-2024 16:55:22

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X20.D

Injection Date: 04-Dec-2024 18:17:30

Instrument ID: 16334

Operator ID: knk41612

Lims ID: 410-198585-A-13

Lab Sample ID: 410-198585-13

Worklist Smp#: 21

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

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

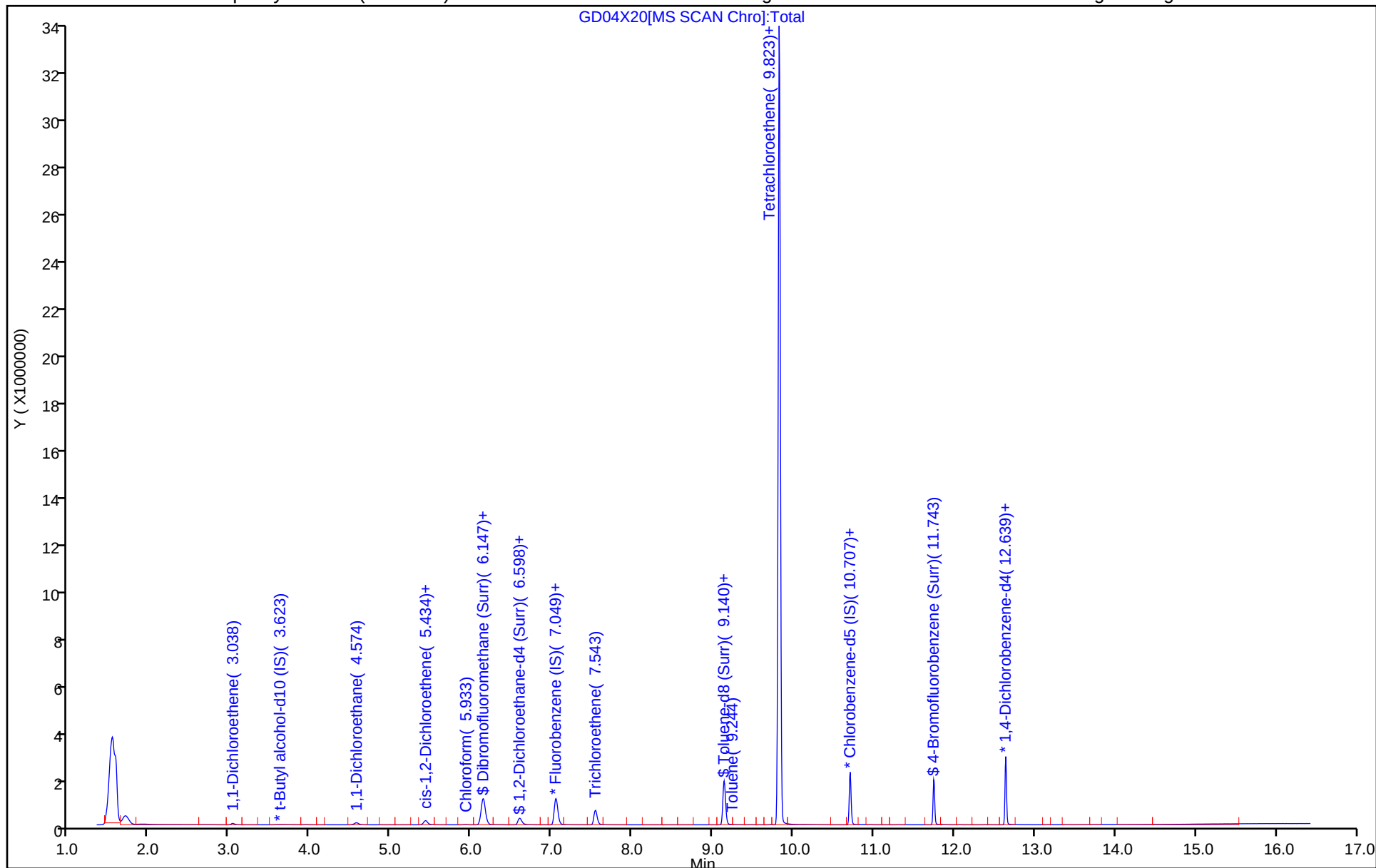
ALS Bottle#: 20

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X20.D
Lims ID: 410-198585-A-13
Client ID: HD-QC1-0/1-1
Sample Type: Client
Inject. Date: 04-Dec-2024 18:17:30 ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0132342-021
Operator ID: knk41612 Instrument ID: 16334
Method: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 10-Dec-2024 07:16:03 Calib Date: 03-Dec-2024 18:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X18.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1605

First Level Reviewer: FQ4L

Date: 10-Dec-2024 07:21:25

Compound	Amount Added	Amount Recovered	% Rec.
\$ 52 Dibromofluoromethane (Surr)	10.0	10.1	100.73
\$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.2	102.16
\$ 83 Toluene-d8 (Surr)	10.0	9.80	98.02
\$ 127 4-Bromofluorobenzene (Surr)	10.0	9.54	95.43

Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X20.D

Injection Date: 04-Dec-2024 18:17:30

Instrument ID: 16334

Lims ID: 410-198585-A-13

Lab Sample ID: 410-198585-13

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

Operator ID: knk41612

ALS Bottle#: 20

Worklist Smp#: 21

Purge Vol: 25.000 mL

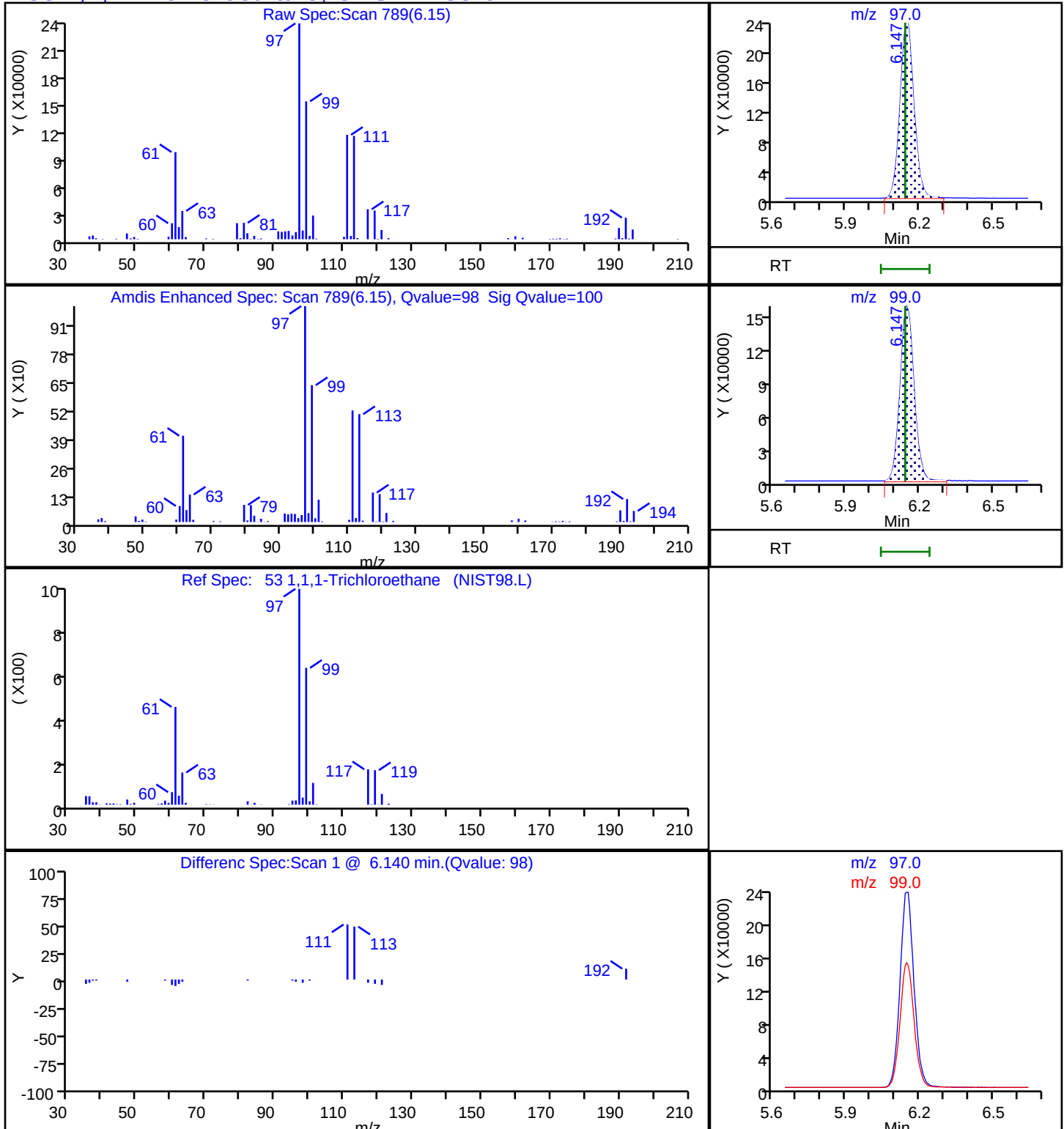
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

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

Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X20.D

Injection Date: 04-Dec-2024 18:17:30

Instrument ID: 16334

Lims ID: 410-198585-A-13

Lab Sample ID: 410-198585-13

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

Operator ID: knk41612

ALS Bottle#: 20

Worklist Smp#: 21

Purge Vol: 25.000 mL

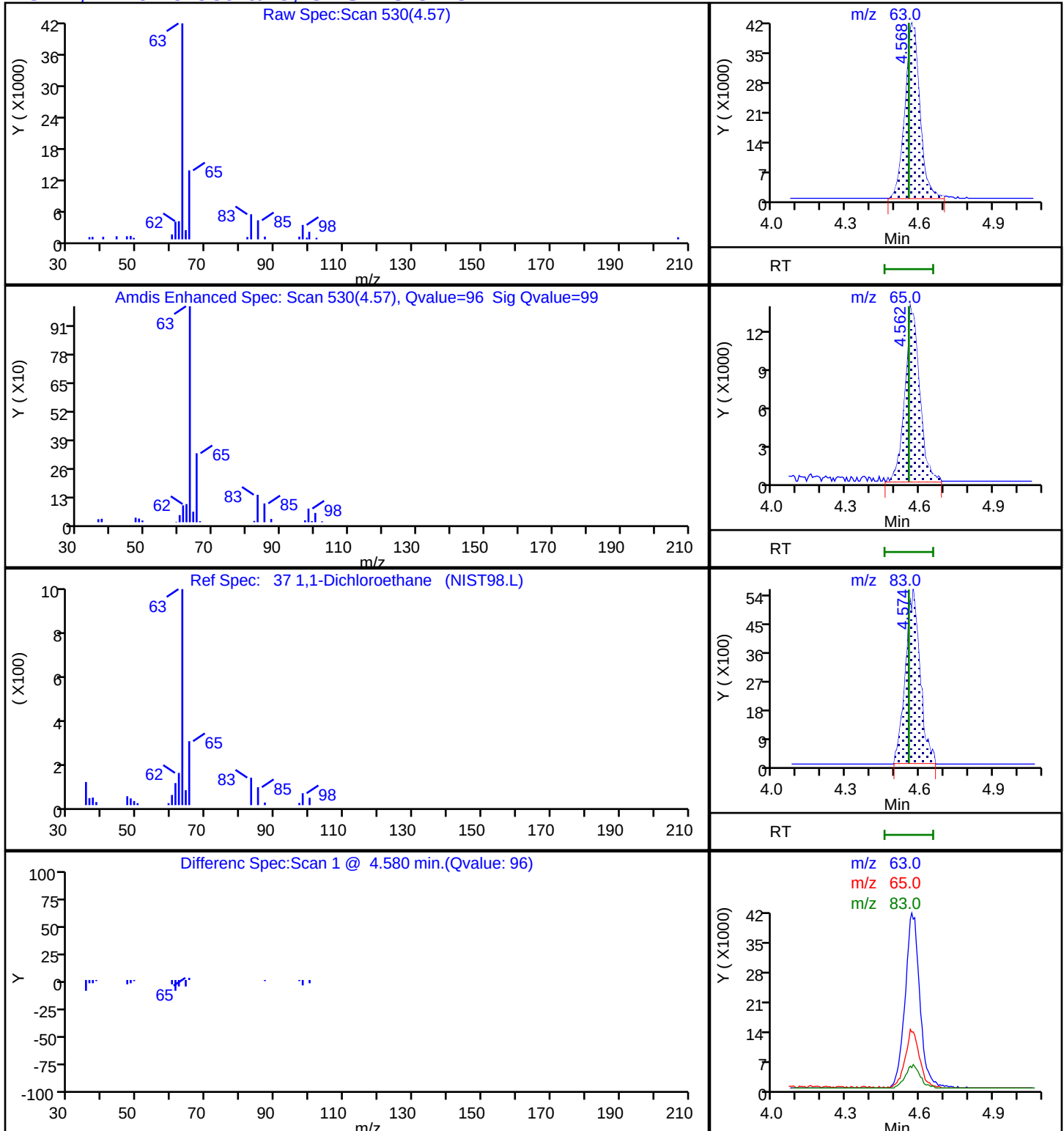
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

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

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X20.D

Injection Date: 04-Dec-2024 18:17:30

Instrument ID: 16334

Lims ID: 410-198585-A-13

Lab Sample ID: 410-198585-13

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

Operator ID: knk41612

ALS Bottle#: 20

Worklist Smp#: 21

Purge Vol: 25.000 mL

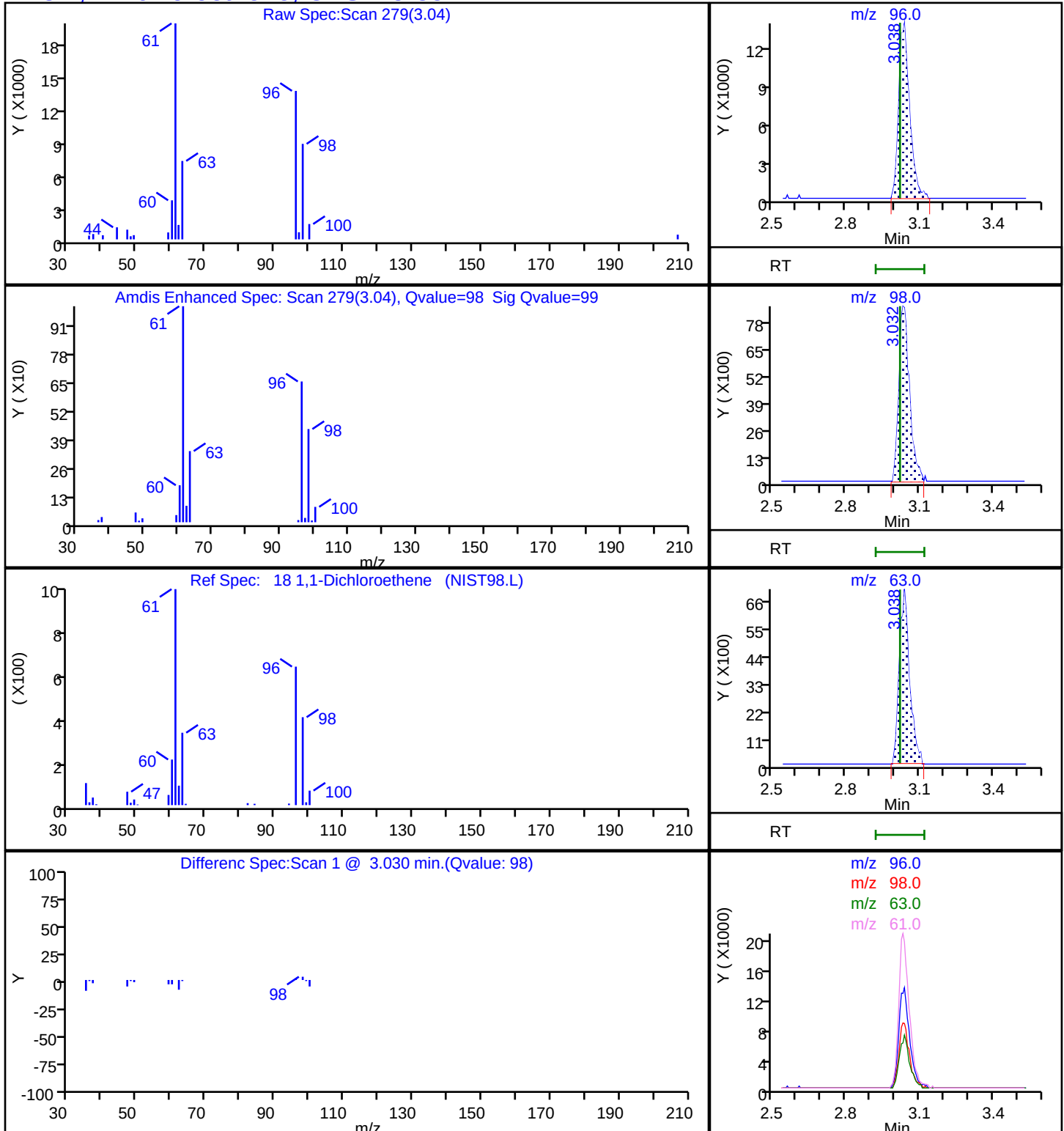
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

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

Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X20.D

Injection Date: 04-Dec-2024 18:17:30

Instrument ID: 16334

Lims ID: 410-198585-A-13

Lab Sample ID: 410-198585-13

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

Operator ID: knk41612

ALS Bottle#: 20

Worklist Smp#: 21

Purge Vol: 25.000 mL

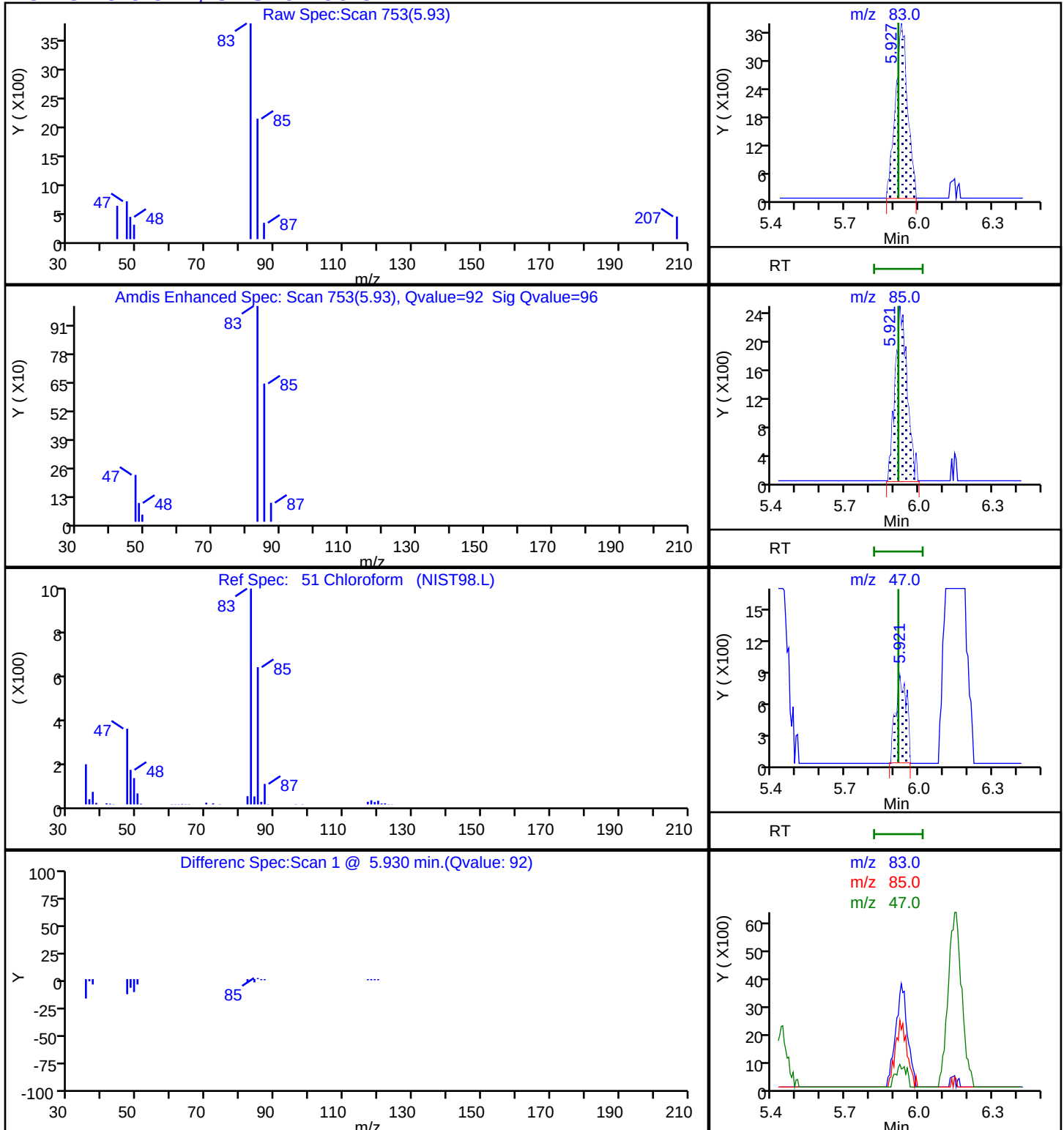
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID) x 30m

MS Quad

51 Chloroform, CAS: 67-66-3

Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X20.D

Injection Date: 04-Dec-2024 18:17:30

Instrument ID: 16334

Lims ID: 410-198585-A-13

Lab Sample ID: 410-198585-13

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

Operator ID: knk41612

ALS Bottle#: 20

Worklist Smp#: 21

Purge Vol: 25.000 mL

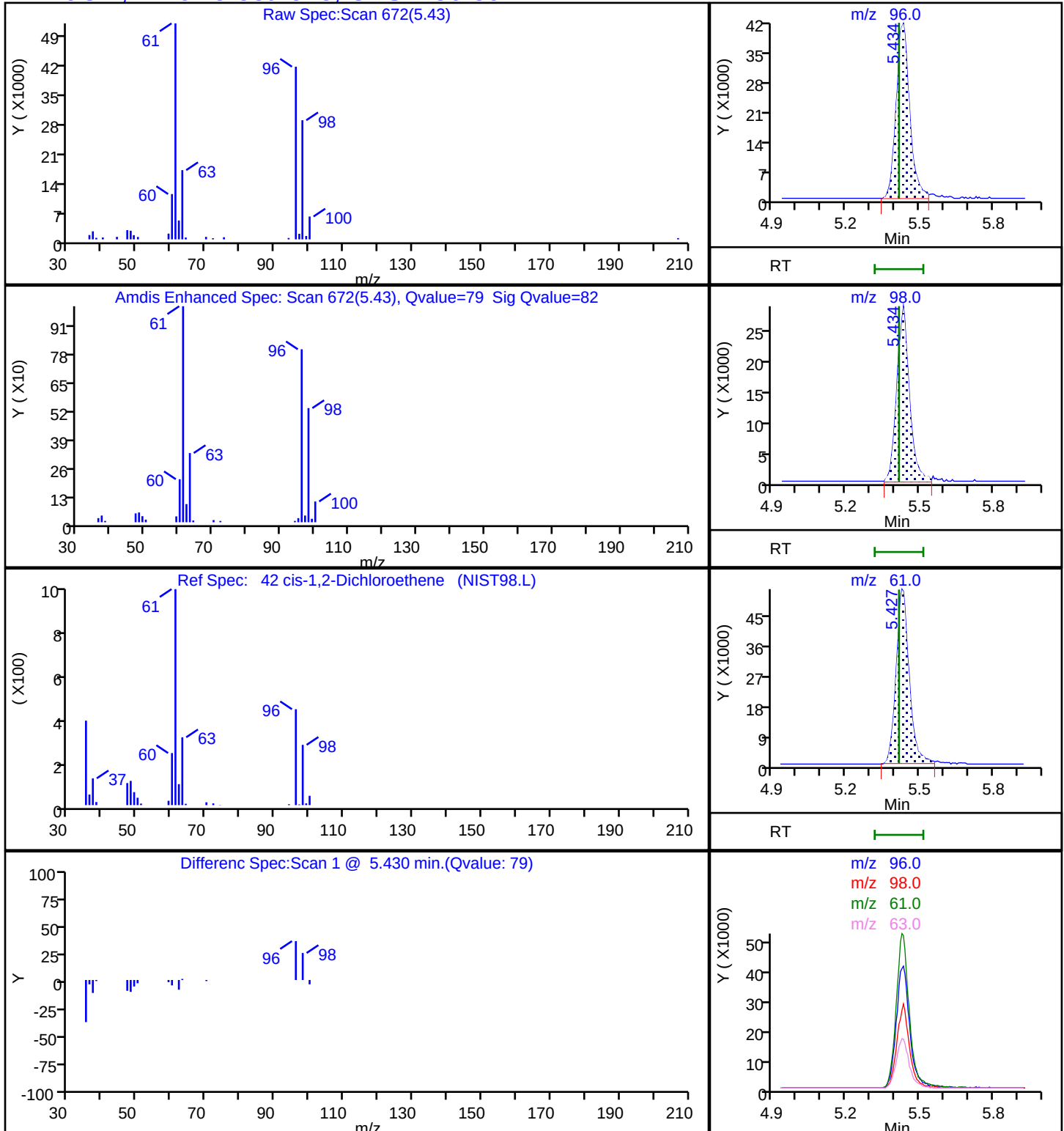
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID) x 100m

MS Quad

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

Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X20.D

Injection Date: 04-Dec-2024 18:17:30

Instrument ID: 16334

Lims ID: 410-198585-A-13

Lab Sample ID: 410-198585-13

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

Operator ID: knk41612

ALS Bottle#: 20

Worklist Smp#: 21

Purge Vol: 25.000 mL

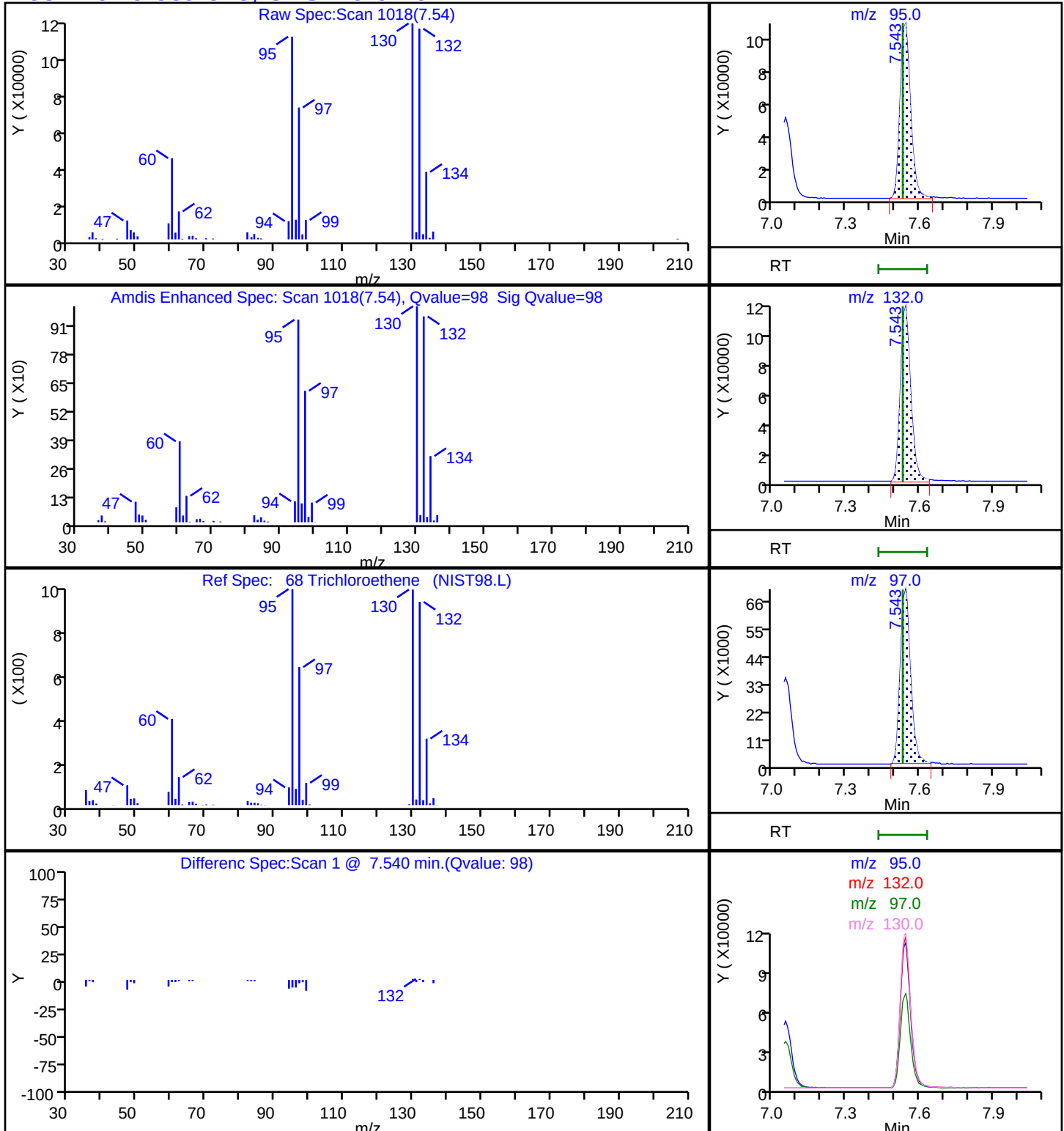
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

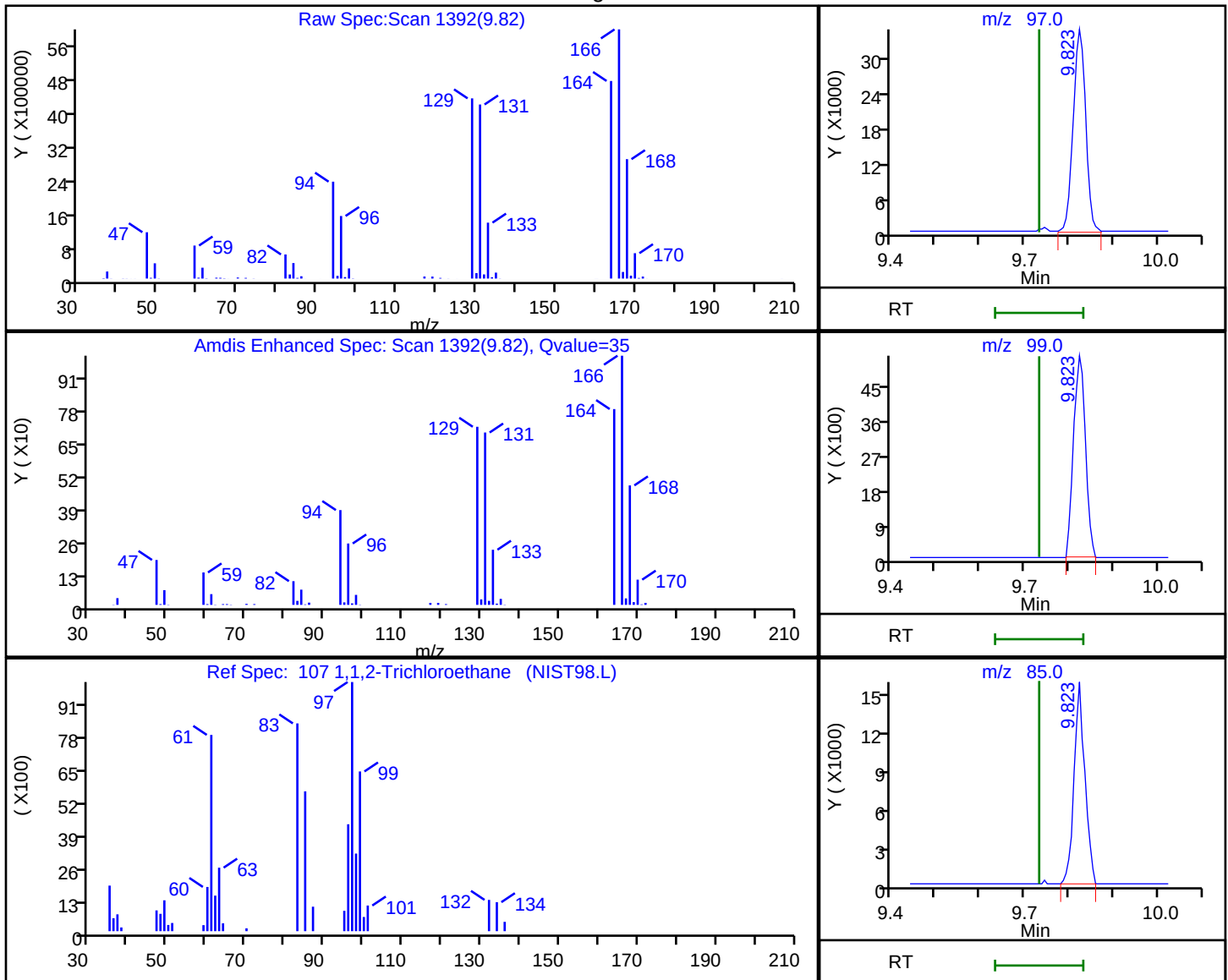
68 Trichloroethene, CAS: 79-01-6

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X20.D
Injection Date: 04-Dec-2024 18:17:30 Instrument ID: 16334
Lims ID: 410-198585-A-13 Lab Sample ID: 410-198585-13
Client ID: HD-QC1-0/1-1
Operator ID: knk41612 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

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

Processing Results



RT	Mass	Response	Amount
9.82	97.00	68182	2.405434
9.82	99.00	9931	
9.82	85.00	26115	
9.82	83.00	188564	

Reviewer: FQ4L, 06-Dec-2024 07:25:38 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

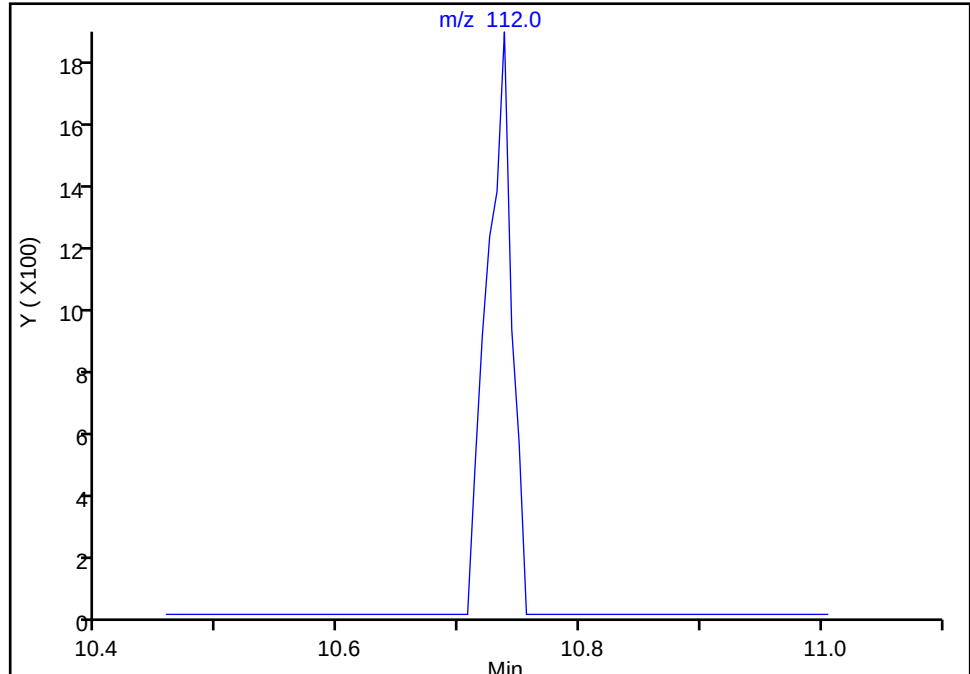
Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X20.D
Injection Date: 04-Dec-2024 18:17:30 Instrument ID: 16334
Lims ID: 410-198585-A-13 Lab Sample ID: 410-198585-13
Client ID: HD-QC1-0/1-1
Operator ID: knk41612 ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

116 Chlorobenzene, CAS: 108-90-7

Signal: 1

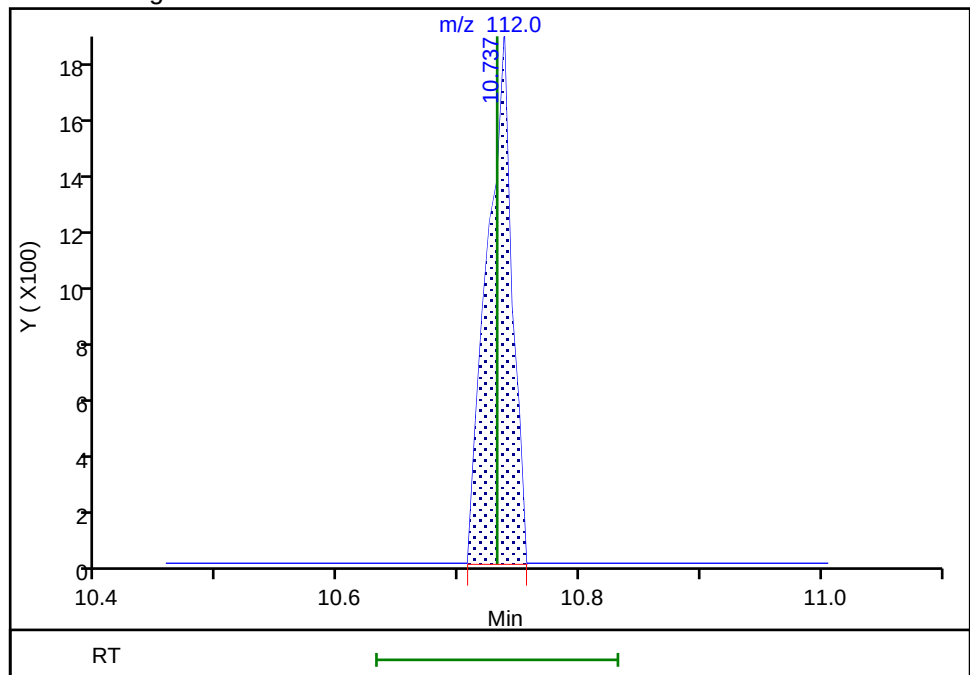
Not Detected
Expected RT: 10.73

Processing Integration Results



RT: 10.74
Area: 2575
Amount: 0.018687
Amount Units: ug/l

Manual Integration Results



Reviewer: FQ4L, 06-Dec-2024 07:25:44 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.: 410-198585-1

SDG No. :

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

Lab Sample ID: 410-198585-13 DL

Matrix: Water

Lab File ID: HD10X14.D

Analysis Method: 8260D

Date Collected: 11/25/2024 12:00

Sample wt/vol: 25 (mL)

Date Analyzed: 12/10/2024 14:20

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.: 584018

Units: ug/L

Preparation Batch No.:

Instrument ID: 19094

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
127-18-4	Tetrachloroethene	180	H cn	5.0	2.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98	cn	80-120
460-00-4	4-Bromofluorobenzene (Surr)	99	cn	80-120
1868-53-7	Dibromofluoromethane (Surr)	104	cn	80-120
2037-26-5	Toluene-d8 (Surr)	96	cn	80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20241210-132838.b\HD10X14.D
 Lims ID: 410-198585-B-13 DL
 Client ID: HD-QC1-0/1-1
 Sample Type: Client
 Inject. Date: 10-Dec-2024 14:20:30 ALS Bottle#: 14 Worklist Smp#: 15
 Purge Vol: 25.000 mL Dil. Factor: 10.0000
 Sample Info: 410-0132838-015
 Operator ID: ecr105096 Instrument ID: 19094
 Method: \\chromfs\Lancaster\ChromData\19094\20241210-132838.b\MSV_19094_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 11-Dec-2024 07:41:07 Calib Date: 15-Oct-2024 00:00:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1687

First Level Reviewer: FQ4L

Date: 11-Dec-2024 07:41:07

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50		2.044				ND	7
6 Vinyl chloride	62		2.154				ND	
9 Bromomethane	94		2.471				ND	
10 Chloroethane	64		2.520				ND	
17 1,1-Dichloroethene	96	3.312	3.312	0.000	91	4314	0.1032	
19 Acetone	43		3.336				ND	
23 Carbon disulfide	76		3.599				ND	
27 Methylene Chloride	84		3.916				ND	
* 28 t-Butyl alcohol-d10 (IS)	65	3.928	3.922	0.006	96	102791	50.0	
32 Methyl tert-butyl ether	73		4.287				ND	
33 trans-1,2-Dichloroethene	96		4.312				ND	
36 1,1-Dichloroethane	63	4.983	4.964	0.019	94	21397	0.2231	
41 2-Butanone (MEK)	43		5.757				ND	
42 cis-1,2-Dichloroethene	96	5.818	5.799	0.019	81	18911	0.3319	
48 Chlorobromomethane	128		6.141				ND	
50 Chloroform	83		6.293				ND	7
\$ 52 Dibromofluoromethane (Surr)	113	6.513	6.507	0.006	94	582487	10.4	
53 1,1,1-Trichloroethane	97	6.531	6.525	0.006	97	101955	1.33	
56 Carbon tetrachloride	117		6.738				ND	
\$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.970	6.964	0.006	47	112199	9.84	
59 Benzene	78		7.000				ND	7
60 1,2-Dichloroethane	62		7.074				ND	
* 64 Fluorobenzene (IS)	96	7.415	7.415	0.000	98	2402815	10.0	
68 Trichloroethene	95	7.927	7.903	0.024	98	34880	0.6304	
70 1,2-Dichloropropane	63		8.238				ND	
76 Dichlorobromomethane	83		8.592				ND	
80 cis-1,3-Dichloropropene	75		9.158				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.341				ND	
\$ 83 Toluene-d8 (Surr)	98	9.488	9.488	0.000	94	2476638	9.63	
84 Toluene	92		9.567				ND	
85 trans-1,3-Dichloropropene	75		9.841				ND	
106 1,1,2-Trichloroethane	97		10.049				ND	U

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
107 Tetrachloroethene	166	10.140	10.140	0.000	98	1184800	17.8	
109 2-Hexanone	43		10.274				ND	
111 Chlorodibromomethane	129		10.439				ND	7
112 Ethylene Dibromide	107		10.548				ND	
* 113 Chlorobenzene-d5 (IS)	117	10.994	10.993	0.001	87	1875547	10.0	
115 Chlorobenzene	112		11.024				ND	7
116 1,1,1,2-Tetrachloroethane	131		11.109				ND	
117 Ethylbenzene	91		11.109				ND	
119 m-Xylene & p-Xylene	106		11.231				ND	
S 118 Xylenes, Total	106		11.245				ND	7
120 o-Xylene	106		11.567				ND	
121 Styrene	104		11.579				ND	
122 Bromoform	173		11.737				ND	
\$ 126 4-Bromofluorobenzene (Surr)	95	12.018	12.018	0.000	90	913105	9.91	
127 1,1,2,2-Tetrachloroethane	83		12.121				ND	
* 141 1,4-Dichlorobenzene-d4	152	12.908	12.908	0.000	95	1016778	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSV_LLcentISS_00013

Amount Added: 5.00

Units: uL

Run Reagent

Report Date: 11-Dec-2024 07:41:07

Chrom Revision: 2.3 12-Nov-2024 16:55:22

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20241210-132838.b\HD10X14.D

Injection Date: 10-Dec-2024 14:20:30

Instrument ID: 19094

Operator ID: ecr105096

Lims ID: 410-198585-B-13 DL

Lab Sample ID: 410-198585-13

Worklist Smp#: 15

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

Purge Vol: 25.000 mL

Dil. Factor: 10.0000

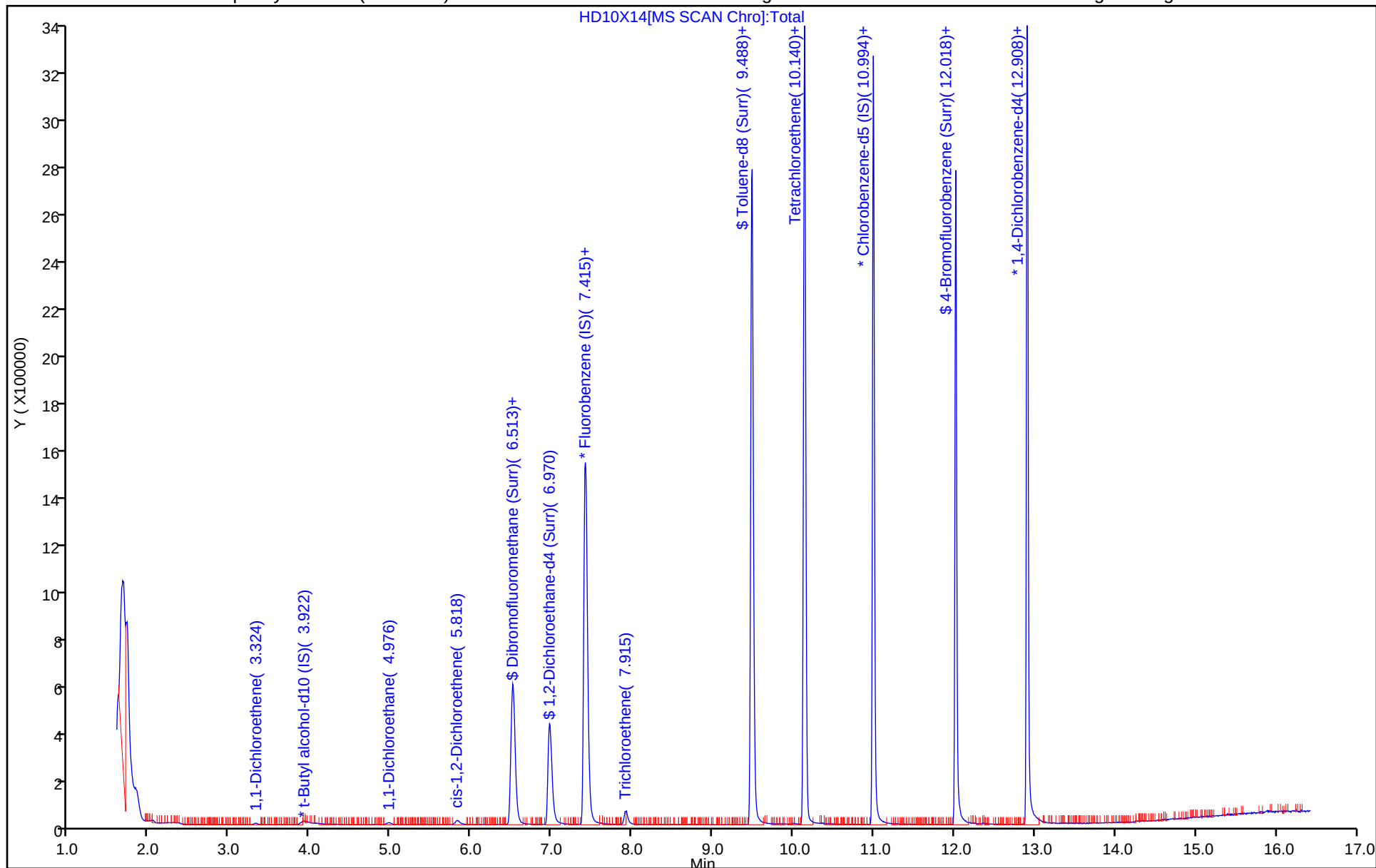
ALS Bottle#: 14

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\19094\20241210-132838.b\HD10X14.D
Lims ID: 410-198585-B-13 DL
Client ID: HD-QC1-0/1-1
Sample Type: Client
Inject. Date: 10-Dec-2024 14:20:30 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 10.0000
Sample Info: 410-0132838-015
Operator ID: ecr105096 Instrument ID: 19094
Method: \\chromfs\Lancaster\ChromData\19094\20241210-132838.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 11-Dec-2024 07:41:07 Calib Date: 15-Oct-2024 00:00:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X18.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1687

First Level Reviewer: FQ4L

Date: 11-Dec-2024 07:41:07

Compound	Amount Added	Amount Recovered	% Rec.
\$ 52 Dibromofluoromethane (Surr)	10.0	10.4	103.91
\$ 58 1,2-Dichloroethane-d4 (Surr)	10.0	9.84	98.42
\$ 83 Toluene-d8 (Surr)	10.0	9.63	96.33
\$ 126 4-Bromofluorobenzene (Surr)	10.0	9.91	99.05

Data File: \\chromfs\Lancaster\ChromData\19094\20241210-132838.b\HD10X14.D

Injection Date: 10-Dec-2024 14:20:30

Instrument ID: 19094

Lims ID: 410-198585-B-13 DL

Lab Sample ID: 410-198585-13

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

Operator ID: ecr105096

ALS Bottle#: 14

Worklist Smp#: 15

Purge Vol: 25.000 mL

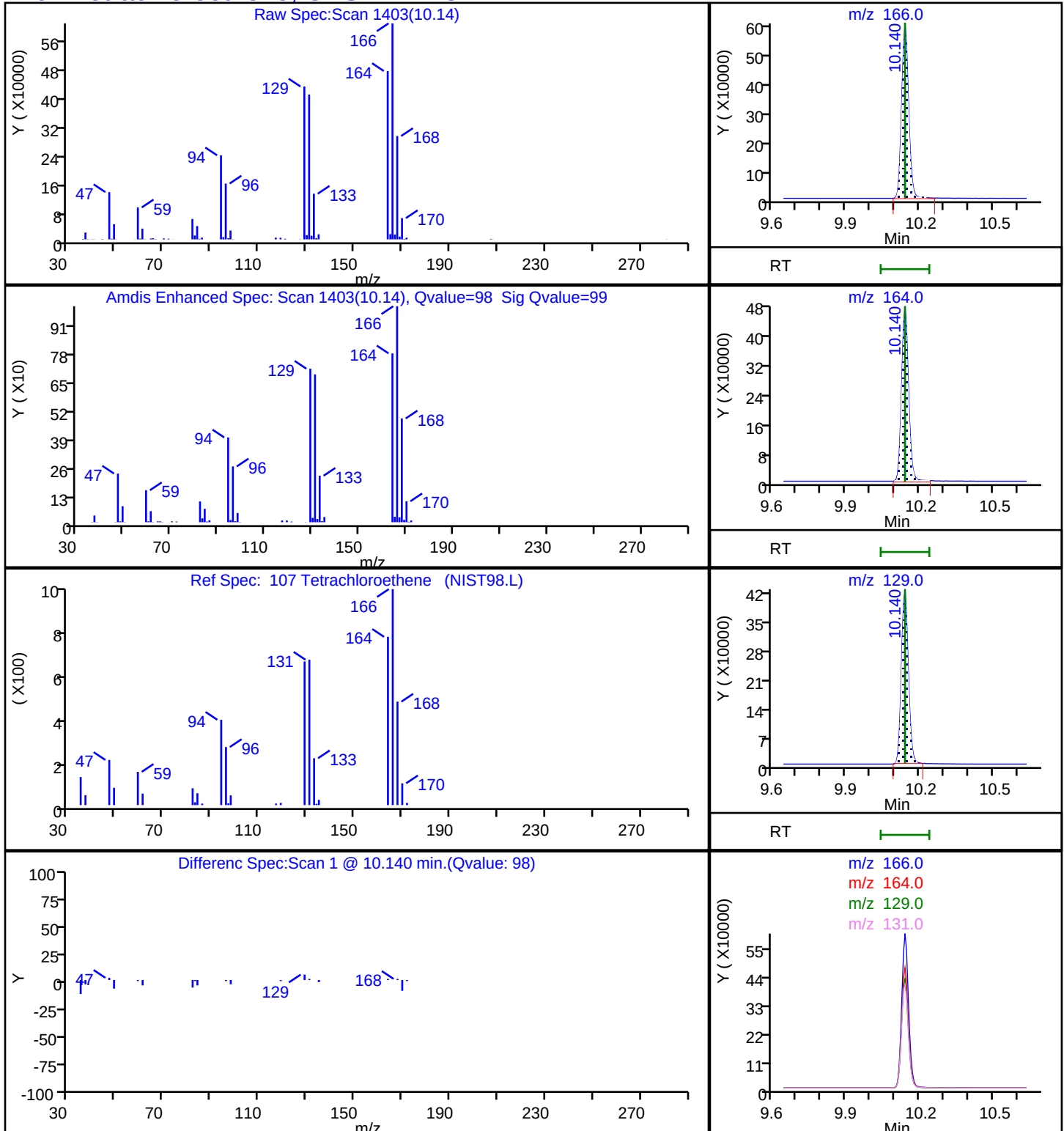
Dil. Factor: 10.0000

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

107 Tetrachloroethene, CAS: 127-18-4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-198585-1

SDG No.:

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

Lab Sample ID: 410-198585-14

Matrix: Water

Lab File ID: GD04X10.D

Analysis Method: 8260D

Date Collected: 11/25/2024 00:00

Sample wt/vol: 25 (mL)

Date Analyzed: 12/04/2024 14:36

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 581981

Units: ug/L

Preparation Batch No.:

Instrument ID: 16334

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.: 410-198585-1

SDG No.:

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

Lab Sample ID: 410-198585-14

Matrix: Water

Lab File ID: GD04X10.D

Analysis Method: 8260D

Date Collected: 11/25/2024 00:00

Sample wt/vol: 25 (mL)

Date Analyzed: 12/04/2024 14:36

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 581981

Units: ug/L

Preparation Batch No.:

Instrument ID: 16334

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)	99		80-120
460-00-4	4-Bromofluorobenzene (Surr)	98		80-120
1868-53-7	Dibromofluoromethane (Surr)	99		80-120
2037-26-5	Toluene-d8 (Surr)	99		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X10.D
 Lims ID: 410-198585-A-14
 Client ID: HD-QC1-0/1-2
 Sample Type: Client
 Inject. Date: 04-Dec-2024 14:36:30 ALS Bottle#: 10 Worklist Smp#: 11
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0132342-011
 Operator ID: knk41612 Instrument ID: 16334
 Method: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\MSV_16334_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 10-Dec-2024 07:13:41 Calib Date: 03-Dec-2024 18:18:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1605

First Level Reviewer: FQ4L

Date: 10-Dec-2024 07:14:03

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50		1.873				ND	
6 Vinyl chloride	62		1.977				ND	
9 Bromomethane	94		2.264				ND	
10 Chloroethane	64		2.300				ND	
18 1,1-Dichloroethene	96		3.020				ND	
19 Acetone	43		3.050				ND	
24 Carbon disulfide	76		3.269				ND	7
29 Methylene Chloride	84		3.574				ND	
* 30 t-Butyl alcohol-d10 (IS)	65	3.617	3.617	0.000	24	68445	50.0	
34 trans-1,2-Dichloroethene	96		3.928				ND	
33 Methyl tert-butyl ether	73		3.928				ND	
37 1,1-Dichloroethane	63		4.556				ND	
41 2-Butanone (MEK)	43		5.391				ND	
42 cis-1,2-Dichloroethene	96		5.415				ND	
49 Chlorobromomethane	128		5.751				ND	
51 Chloroform	83		5.915				ND	
\$ 52 Dibromofluoromethane (Surr)	113	6.141	6.135	0.006	93	518141	9.91	
53 1,1,1-Trichloroethane	97		6.141				ND	
55 Carbon tetrachloride	117		6.354				ND	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.598	6.592	0.006	66	98579	9.88	
60 Benzene	78		6.622				ND	
61 1,2-Dichloroethane	62		6.696				ND	
* 64 Fluorobenzene (IS)	96	7.043	7.043	0.000	99	2215888	10.0	
68 Trichloroethene	95		7.531				ND	
70 1,2-Dichloropropane	63		7.866				ND	
76 Dichlorobromomethane	83		8.226				ND	
81 cis-1,3-Dichloropropene	75		8.799				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.006				ND	
\$ 83 Toluene-d8 (Surr)	98	9.140	9.134	0.006	93	2197632	9.88	
84 Toluene	92		9.220				ND	
85 trans-1,3-Dichloropropene	75		9.518				ND	
107 1,1,2-Trichloroethane	97		9.732				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
108 Tetrachloroethene	166		9.823				ND	
110 2-Hexanone	43		9.988				ND	
112 Chlorodibromomethane	129		10.134				ND	
113 Ethylene Dibromide	107		10.244				ND	
* 114 Chlorobenzene-d5 (IS)	117	10.707	10.707	0.000	86	1602686	10.0	
116 Chlorobenzene	112		10.731				ND	
117 1,1,1,2-Tetrachloroethane	131		10.823				ND	
118 Ethylbenzene	91		10.829				ND	
120 m-Xylene & p-Xylene	106		10.951				ND	
S 119 Xylenes, Total	106		11.245				ND	7
121 o-Xylene	106		11.292				ND	
122 Styrene	104		11.304				ND	
123 Bromoform	173		11.457				ND	
\$ 127 4-Bromofluorobenzene (Surr)	95	11.743	11.743	0.000	89	752396	9.79	
128 1,1,2,2-Tetrachloroethane	83		11.859				ND	
* 142 1,4-Dichlorobenzene-d4	152	12.639	12.640	-0.001	95	851848	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

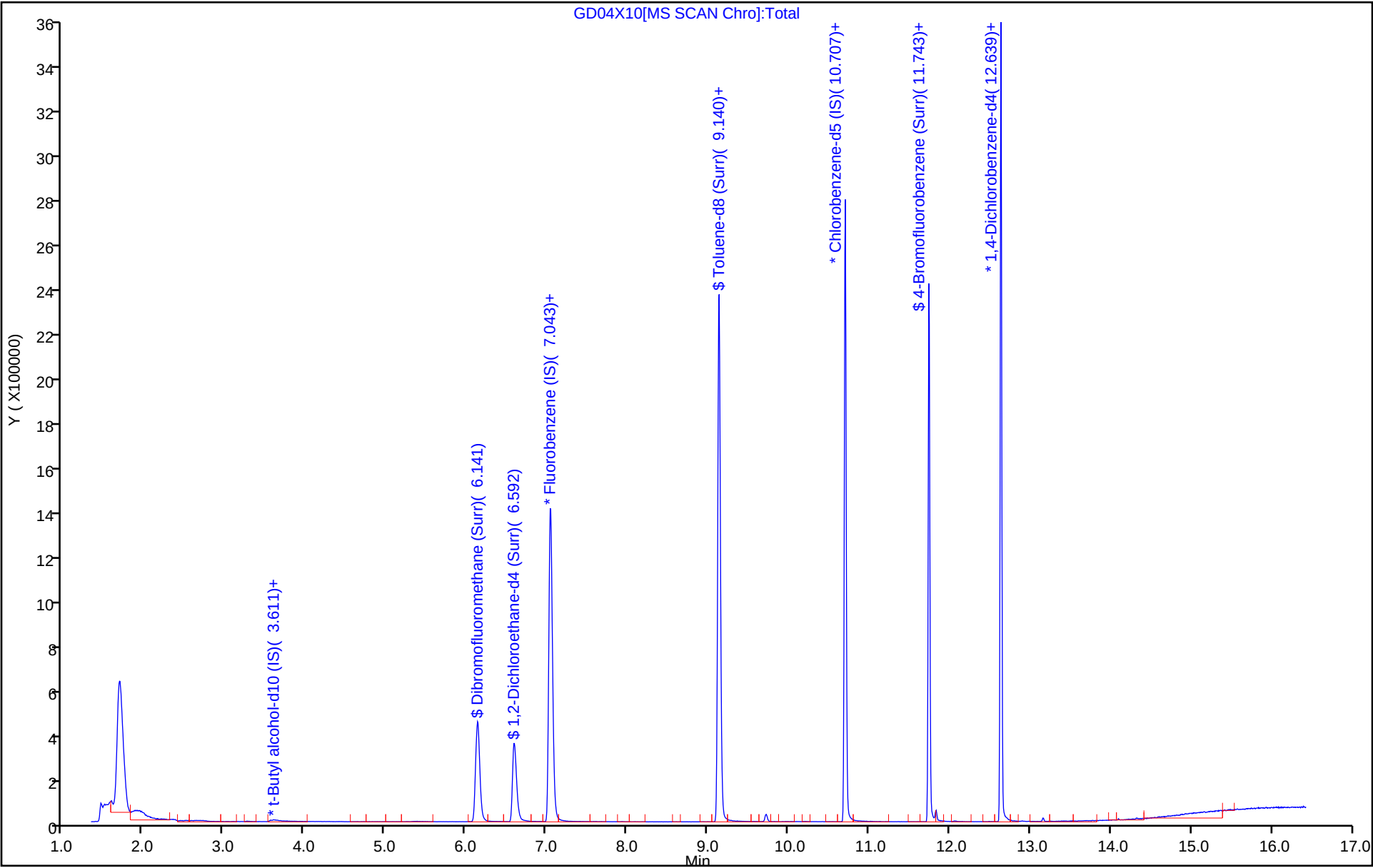
Reagents:

MSV_29_826ISS_00057

Amount Added: 1.20

Units: uL

Run Reagent



Eurofins Lancaster Laboratories Environment Testing, LLC
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X10.D
Lims ID: 410-198585-A-14
Client ID: HD-QC1-0/1-2
Sample Type: Client
Inject. Date: 04-Dec-2024 14:36:30 ALS Bottle#: 10 Worklist Smp#: 11
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0132342-011
Operator ID: knk41612 Instrument ID: 16334
Method: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 10-Dec-2024 07:13:41 Calib Date: 03-Dec-2024 18:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X18.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1605

First Level Reviewer: FQ4L

Date: 10-Dec-2024 07:14:03

Compound	Amount Added	Amount Recovered	% Rec.
\$ 52 Dibromofluoromethane (Surr)	10.0	9.91	99.11
\$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	9.88	98.84
\$ 83 Toluene-d8 (Surr)	10.0	9.88	98.79
\$ 127 4-Bromofluorobenzene (Surr)	10.0	9.79	97.94

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-198585-1 Analy Batch No.: 581544
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: 12/03/2024 16:05 Calibration End Date: 12/03/2024 18:18 Calibration ID: 67963

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-581544/13	GD03X12.D
Level 2	IC 410-581544/14	GD03X13.D
Level 3	IC 410-581544/15	GD03X14.D
Level 4	IC 410-581544/16	GD03X15.D
Level 5	IC 410-581544/17	GD03X16.D
Level 6	ICIS 410-581544/18	GD03X17.D
Level 7	IC 410-581544/19	GD03X18.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	0.2529 0.3225	0.3107 0.3248	0.3414	0.3262	0.3609	Ave		0.319 9			0.1000	10.5		20.0			
Chloromethane	0.4619 0.3572	0.3742 0.3585	0.3754	0.3571	0.4021	Ave		0.383 8			0.1000	9.9		20.0			
1,3-Butadiene	0.3810 0.3412	0.3322 0.3430	0.3596	0.3336	0.3824	Ave		0.353 3				6.0		20.0			
Vinyl chloride	0.3536 0.3325	0.3467 0.3381	0.3505	0.3365	0.3753	Ave		0.347 6			0.1000	4.2		20.0			
Bromomethane	0.2645 0.2082	0.2219 0.2052	0.2322	0.2165	0.2340	Ave		0.226 1			0.1000	8.9		20.0			
Chloroethane	0.1934 0.1554	0.1812 0.1622	0.1880	0.1670	0.1817	Ave		0.175 6			0.1000	8.1		20.0			
Dichlorofluoromethane	0.5513 0.4539	0.4742 0.4709	0.5005	0.4644	0.5280	Ave		0.491 9			0.1000	7.4		20.0			
Trichlorofluoromethane	0.3602 0.3753	0.3719 0.3791	0.3982	0.3798	0.4306	Ave		0.385 0			0.1000	6.0		20.0			
Ethyl ether	0.1490 0.1357	0.1412 0.1376	0.1534	0.1313	0.1390	Ave		0.141 0				5.5		20.0			
Freon 123a	0.3243 0.2631	0.2865 0.2912	0.3023	0.2734	0.2913	Ave		0.290 3				6.8		20.0			
Acrolein	2.0629 2.2440	1.5575 2.5379	1.9922	1.6634	2.0930	Ave		2.021 5				16.5		20.0			
1,1-Dichloroethene	0.2390 0.2117	0.2203 0.2205	0.2475	0.1974	0.2424	Ave		0.225 5			0.1000	8.1		20.0			
Acetone	4.0158 2.4852	2.6324 2.4631	3.0625	2.4869	2.9365	Ave		2.868 9			0.1000	19.5		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.: 410-198585-1 Analy Batch No.: 581544
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: 12/03/2024 16:05 Calibration End Date: 12/03/2024 18:18 Calibration ID: 67963

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	0.1978 0.2372	0.2130 0.2430	0.2751	0.2243	0.2713	Ave		0.237 4			0.1000	12.1		20.0			
Methyl iodide	0.4385 0.4213	0.4150 0.4399	0.4751	0.3907	0.4737	Ave		0.436 3				7.1		20.0			
Ethyl bromide	0.1977 0.1990	0.1898 0.1990	0.2146	0.1963	0.1945	Ave		0.198 7				3.9		20.0			
Carbon disulfide	0.7778 0.8065	0.7950 0.8335	0.9216	0.7461	0.9069	Ave		0.826 8			0.1000	7.9		20.0			
Methyl acetate	12.394 12.860	10.995 11.936	11.883	10.433	14.193	Ave		12.09 9			0.1000	10.2		20.0			
Allyl chloride	0.4137 0.3763	0.3782 0.3946	0.4180	0.3436	0.4188	Ave		0.391 9				7.1		20.0			
Methylene Chloride	0.2561 0.2372	0.2412 0.2473	0.2731	0.2217	0.2694	Ave		0.249 4			0.1000	7.3		20.0			
t-Butyl alcohol	0.5284 0.5585	0.6397 0.5598	0.6785	0.5356	0.6128	Ave		0.587 6				9.7		20.0			
Acrylonitrile	++++ 4.0119	++++ 4.0562	3.7097	3.3082	4.5604	Ave		3.929 3				11.8		20.0			
Methyl tert-butyl ether	0.4927 0.5052	0.4613 0.5341	0.5281	0.4463	0.5547	Ave		0.503 2			0.1000	7.8		20.0			
trans-1,2-Dichloroethene	0.2791 0.2545	0.2458 0.2677	0.2822	0.2357	0.2899	Ave		0.265 n			0.1000	7.6		20.0			
n-Hexane	0.2833 0.3613	0.2934 0.3663	0.3936	0.3222	0.4035	Ave		0.346 2				13.7		20.0			
1,1-Dichloroethane	0.4780 0.4654	0.4508 0.4881	0.5213	0.4326	0.5252	Ave		0.480 2			0.2000	7.2		20.0			
di-Isopropyl ether	0.7291 0.7551	0.6849 0.7996	0.8043	0.6704	0.8416	Ave		0.755 n				8.5		20.0			
2-Chloro-1,3-butadiene	0.3508 0.3745	0.3246 0.3936	0.3948	0.3258	0.4090	Ave		0.367 6				9.3		20.0			
Ethyl t-butyl ether	0.6311 0.6729	0.5905 0.7239	0.7116	0.5802	0.7444	Ave		0.664 9				9.9		20.0			
2-Butanone (MEK)	4.3804 5.0178	4.5702 5.0440	5.4142	4.2547	5.7319	Ave		4.916 2			0.1000	11.1		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-198585-1 Analy Batch No.: 581544
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: 12/03/2024 16:05 Calibration End Date: 12/03/2024 18:18 Calibration ID: 67963

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	0.2884 0.2840	0.2718 0.2999	0.3120	0.2599	0.3136	Ave		0.289 9			0.1000	6.9		20.0			
2,2-Dichloropropane	0.4239 0.3913	0.3907 0.4100	0.4403	0.3650	0.4403	Ave		0.408 8				6.9		20.0			
Propionitrile	0.5831 1.4257	0.9122 1.4686	1.1348	1.0544	1.5623	Qua	-6.39 0	1.490 8	-0.000021						0.9990		0.9900
Methacrylonitrile	3.9593 5.7761	4.0765 5.8543	5.8503	4.9949	6.6030	Ave		5.302 1				18.7		20.0			
Bromochloromethane	0.0932 0.1103	0.0967 0.1150	0.1219	0.1013	0.1230	Ave		0.108 8				11.0		20.0			
Tetrahydrofuran	++++ 1.4819	0.9732 1.5090	1.5892	1.1910	1.6961	Ave		1.406 7				19.3		20.0			
Chloroform	0.4848 0.4552	0.4329 0.4747	0.5107	0.4198	0.5194	Ave		0.471 1			0.2000	8.0		20.0			
1,1,1-Trichloroethane	0.4395 0.3985	0.3882 0.4189	0.4535	0.3705	0.4504	Ave		0.417 1			0.1000	7.8		20.0			
Cyclohexane	0.3424 0.4292	0.3791 0.4417	0.4623	0.3811	0.4754	Ave		0.415 9			0.1000	11.8		20.0			
Carbon tetrachloride	0.3599 0.3477	0.3239 0.3647	0.3905	0.3182	0.3922	Ave		0.356 7			0.1000	8.2		20.0			
1,1-Dichloropropene	0.3804 0.3673	0.3331 0.3839	0.4053	0.3254	0.4091	Ave		0.372 1				8.8		20.0			
Isobutyl alcohol	0.0016 0.0019	0.0018 0.0021	0.0018	0.0015	0.0020	Ave		0.001 8				10.5		20.0			
Benzene	1.1474 1.0618	1.0463 1.1138	1.2340	0.9730	1.1943	Ave		1.110 1			0.5000	8.1		20.0			
1,2-Dichloroethane	0.2581 0.2452	0.2457 0.2571	0.2776	0.2233	0.2739	Ave		0.254 4			0.1000	7.3		20.0			
t-Amyl methyl ether	0.5209 0.5616	0.4954 0.6034	0.5739	0.4889	0.6178	Ave		0.551 7				9.3		20.0			
n-Heptane	0.3209 0.3476	0.2802 0.3394	0.3938	0.3185	0.3807	Ave		0.340 2				11.4		20.0			
n-Butanol	++++ 0.2003	0.0789 0.2289	0.1152	0.1171	0.2152	Qua	-7.42 2	0.202 2	0.0000137						0.9990		0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-198585-1 Analy Batch No.: 581544
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: 12/03/2024 16:05 Calibration End Date: 12/03/2024 18:18 Calibration ID: 67963

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	0.2818 0.2793	0.2652 0.2939	0.3125	0.2524	0.3116	Ave		0.285 2			0.2000	7.9		20.0			
Methylcyclohexane	0.3557 0.4578	0.3722 0.4710	0.4881	0.4024	0.5067	Ave		0.436 3			0.1000	13.6		20.0			
1,2-Dichloropropane	0.2590 0.2636	0.2514 0.2785	0.2923	0.2394	0.2968	Ave		0.268 7			0.1000	7.9		20.0			
Dibromomethane	0.1092 0.1084	0.1032 0.1147	0.1199	0.0950	0.1214	Ave		0.110 2				8.5		20.0			
1,4-Dioxane	++++ 0.0681	++++ 0.0636	0.0433	0.0665	0.0781	Ave		0.063 9			0.0050	20.0		20.0			
Methyl methacrylate	++++ 10.810	8.2685 11.339	10.388	8.1238	11.502	Ave		10.07 2				15.0		20.0			
Bromodichloromethane	0.3016 0.3080	0.2810 0.3292	0.3214	0.2744	0.3398	Ave		0.307 9			0.2000	7.9		20.0			
2-Nitropropane	3.4673 3.0284	3.2586 2.9911	3.0930	2.4535	3.2122	Ave		3.072 0				10.3		20.0			
1-Bromo-2-chloroethane	0.2217 0.2418	0.2032 0.2474	0.2412	0.2276	0.2341	Ave		0.231 0				6.5		20.0			
cis-1,3-Dichloropropene	0.3504 0.3865	0.3217 0.4209	0.4003	0.3357	0.4280	Ave		0.377 6			0.2000	11.1		20.0			
4-Methyl-2-pentanone (MIBK)	10.281 13.626	10.734 14.241	13.407	11.412	15.311	Ave		12.71 6			0.1000	15.0		20.0			
Toluene	0.9857 0.9365	0.8897 0.9817	1.0553	0.8555	1.0411	Ave		0.963 6			0.4000	7.7		20.0			
trans-1,3-Dichloropropene	0.3700 0.4167	0.3585 0.4562	0.4093	0.3582	0.4539	Ave		0.403 2			0.1000	10.5		20.0			
Ethyl methacrylate	++++ 0.2690	0.1799 0.3004	0.2294	0.2006	0.2808	Ave		0.243 3				19.6		20.0			
1,1,2-Trichloroethane	0.2357 0.2184	0.2089 0.2262	0.2367	0.1949	0.2371	Ave		0.222 6			0.1000	7.3		20.0			
Tetrachloroethene	0.4536 0.4208	0.4164 0.4341	0.4661	0.3840	0.4688	Ave		0.434 8			0.2000	7.0		20.0			
1,3-Dichloropropane	0.3605 0.3855	0.3611 0.4054	0.4087	0.3461	0.4257	Ave		0.384 7				7.7		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.: 410-198585-1 Analy Batch No.: 581544
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: 12/03/2024 16:05 Calibration End Date: 12/03/2024 18:18 Calibration ID: 67963

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	7.0378 9.5963	7.8710 9.8360	8.8394	7.7352	10.905	Ave		8.831 6			0.1000	15.5		20.0			
Dibromochloromethane	0.2495 0.2786	0.2354 0.3057	0.2871	0.2410	0.3040	Ave		0.271 6				10.9		20.0			
1,2-Dibromoethane (EDB)	0.1725 0.2049	0.1749 0.2169	0.2114	0.1764	0.2288	Ave		0.198 0			0.1000	11.6		20.0			
1-Chlorohexane	0.5700 0.5016	0.4869 0.5259	0.5457	0.4449	0.5571	Ave		0.518 9				8.5		20.0			
Chlorobenzene	1.1053 1.0466	1.0178 1.0959	1.1792	0.9578	1.1710	Ave		1.081 9			0.5000	7.4		20.0			
1,1,1,2-Tetrachloroethane	0.3473 0.3489	0.3174 0.3694	0.3784	0.3102	0.3862	Ave		0.351 1				8.3		20.0			
Ethylbenzene	1.8296 1.8656	1.7274 1.9604	2.0073	1.6560	2.0736	Ave		1.874 3			0.1000	8.0		20.0			
m&p-Xylene	0.6865 0.7234	0.6653 0.7589	0.7760	0.6419	0.8092	Ave		0.723 0			0.1000	8.5		20.0			
o-Xylene	0.6449 0.6965	0.6084 0.7385	0.7477	0.6187	0.7772	Ave		0.690 3			0.3000	9.7		20.0			
Styrene	0.8821 1.1278	0.8773 1.2066	1.0940	0.9272	1.2363	Ave		1.050 2			0.3000	14.6		20.0			
Bromoform	0.1249 0.1476	0.1194 0.1637	0.1461	0.1222	0.1586	Ave		0.140 4			0.1000	12.9		20.0			
Isopropylbenzene	1.5050 1.6584	1.4444 1.7401	1.7372	1.4294	1.8344	Ave		1.621 3			0.1000	9.9		20.0			
1,1,2,2-Tetrachloroethane	0.4290 0.4671	0.4244 0.4959	0.4926	0.4206	0.5170	Ave		0.463 8			0.3000	8.5		20.0			
Bromobenzene	0.7657 0.7666	0.6977 0.8205	0.8245	0.7030	0.8654	Ave		0.777 6				8.1		20.0			
trans-1,4-Dichloro-2-butene	4.7746 5.5310	4.8238 5.6531	5.9348	4.7824	6.4092	Ave		5.415 6				11.9		20.0			
1,2,3-Trichloropropane	0.1104 0.1232	0.1117 0.1311	0.1345	0.1152	0.1393	Ave		0.123 6				9.4		20.0			
N-Propylbenzene	4.1047 4.1592	3.7622 4.3219	4.5237	3.7433	4.6306	Ave		4.177 9				8.2		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.: 410-198585-1 Analy Batch No.: 581544
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: 12/03/2024 16:05 Calibration End Date: 12/03/2024 18:18 Calibration ID: 67963

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	0.8622 0.8063	0.7513 0.8580	0.8797	0.7451	0.9099	Ave		0.830 3				7.7		20.0			
1,3,5-Trimethylbenzene	2.7003 2.9999	2.5647 3.1801	3.2056	2.6502	3.3201	Ave		2.945 8				10.4		20.0			
4-Chlorotoluene	0.8196 0.8469	0.7872 0.8855	0.9346	0.7820	0.9553	Ave		0.858 7				8.0		20.0			
tert-Butylbenzene	0.6043 0.6457	0.5765 0.6760	0.6814	0.5809	0.7091	Ave		0.639 1				8.2		20.0			
Pentachloroethane	0.3871 0.4698	0.3713 0.4906	0.4606	0.4301	0.4503	Ave		0.437 1				10.0		20.0			
1,2,4-Trimethylbenzene	2.6649 3.0955	2.7024 3.2721	3.2324	2.7330	3.4124	Ave		3.016 1				10.3		20.0			
sec-Butylbenzene	3.6739 3.8840	3.4355 4.0077	4.0902	3.4095	4.2282	Ave		3.818 4				8.4		20.0			
1,3-Dichlorobenzene	1.6043 1.6200	1.5526 1.7307	1.7836	1.4729	1.8203	Ave		1.654 9			0.6000	7.7		20.0			
p-Isopropyltoluene	2.9820 3.3563	2.8517 3.5107	3.4671	2.9249	3.7204	Ave		3.259 0				10.4		20.0			
1,4-Dichlorobenzene	1.7726 1.6010	1.5654 1.7062	1.8522	1.5302	1.8104	Ave		1.691 1			0.5000	7.5		20.0			
1,2,3-Trimethylbenzene	1.2639 1.2724	1.1684 1.3632	1.3930	1.1507	1.4164	Ave		1.289 7				8.2		20.0			
Benzyl chloride	0.1567 0.2007	0.1533 0.2193	0.2028	0.1736	0.2088	Ave		0.187 9				14.0		20.0			
n-Butylbenzene	1.5756 1.6962	1.5017 1.7431	1.7856	1.5183	1.8848	Ave		1.672 2				8.7		20.0			
1,2-Dichlorobenzene	1.4353 1.3868	1.3444 1.4623	1.5751	1.2752	1.5744	Ave		1.436 2			0.4000	7.8		20.0			
1,2-Dibromo-3-Chloropropane	1.9293 2.8604	2.4362 3.0021	2.8849	2.4965	3.1806	Ave		2.684 3			0.0500	15.8		20.0			
1,3,5-Trichlorobenzene	1.2831 1.2895	1.1778 1.3609	1.4095	1.1432	1.4449	Ave		1.301 3				8.7		20.0			
1,2,4-Trichlorobenzene	1.0342 1.0327	0.9586 1.1118	1.0650	0.8926	1.1673	Ave		1.037 5			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.: 410-198585-1 Analy Batch No.: 581544
 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: 12/03/2024 16:05 Calibration End Date: 12/03/2024 18:18 Calibration ID: 67963

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	0.6002 0.5570	0.5394 0.5643	0.5948	0.4979	0.6109	Ave		0.566 3				7.0		20.0			
Naphthalene	1.1613 1.4741	1.1669 1.6437	1.3955	1.2248	1.5948	Ave		1.380 2				14.6		20.0			
1,2,3-Trichlorobenzene	0.7966 0.8150	0.7013 0.8732	0.8423	0.7144	0.9149	Ave		0.808 2				9.7		20.0			
Dibromofluoromethane (Surr)	0.2347 0.2391	0.2334 0.2356	0.2373	0.2358	0.2357	Ave		0.235 9				0.8		20.0			
1,2-Dichloroethane-d4 (Surr)	0.0444 0.0462	0.0452 0.0442	0.0452	0.0452	0.0446	Ave		0.045 0				1.5		20.0			
Toluene-d8 (Surr)	1.3891 1.3902	1.3913 1.3790	1.3880	1.3893	1.3892	Ave		1.388 0				0.3		20.0			
4-Bromofluorobenzene (Surr)	0.4714 0.4844	0.4792 0.4812	0.4804	0.4780	0.4806	Ave		0.479 3				0.8		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
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-198585-1 Analy Batch No.: 581544
Environment Testing, LLC

SDG No.:

Instrument ID: 16334 GC Column: R-624SilMS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2024 16:05 Calibration End Date: 12/03/2024 18:18 Calibration ID: 67963

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-581544/13	GD03X12.D
Level 2	IC 410-581544/14	GD03X13.D
Level 3	IC 410-581544/15	GD03X14.D
Level 4	IC 410-581544/16	GD03X15.D
Level 5	IC 410-581544/17	GD03X16.D
Level 6	ICIS 410-581544/18	GD03X17.D
Level 7	IC 410-581544/19	GD03X18.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	10274 654728	32431 1656902	65808	137378	352043	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Chloromethane	FB	Ave	18766 725018	39055 1828944	72370	150363	392216	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,3-Butadiene	FB	Ave	15480 692654	34675 1749685	69314	140482	372980	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Vinyl chloride	FB	Ave	14365 674953	36180 1724907	67557	141703	366033	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Bromomethane	FB	Ave	10747 422617	23157 1046630	44768	91161	228209	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Chloroethane	FB	Ave	7859 315535	18917 827463	36238	70306	177241	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Dichlorofluoromethane	FB	Ave	22399 921288	49488 2402364	96483	195557	514997	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Trichlorofluoromethane	FB	Ave	14635 761739	38812 1934004	76757	159954	419995	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl ether	FB	Ave	6055 275384	14741 701826	29561	55287	135551	0.200 10.00	0.500 25.0	1.000	2.00	5.00
Freon 123a	FB	Ave	13177 534020	29901 1485822	58279	115136	284156	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Acrolein	TBAd1 0	Ave	30260 1763294	59455 5285090	137133	267267	744657	9.76 488	24.4 1220	48.8	97.6	244
1,1-Dichloroethene	FB	Ave	9708 429658	22996 1124723	47699	83145	236422	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Acetone	TBAd1 0	Ave	12073 400224	20595 1051222	43205	81896	214120	2.00 100	5.00 250	10.0	20.0	50.0
Freon 113	FB	Ave	8037 481404	22226 1239621	53034	94445	264589	0.200 10.0	0.500 25.0	1.00	2.00	5.00

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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	17814 855203	43316 2244364	91582	164518	462010	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl bromide	FB	Ave	8046 404514	19840 1016730	41423	82800	190046	0.200 10.0	0.501 25.0	1.00	2.00	5.01
Carbon disulfide	FB	Ave	31600 1637209	82977 4252460	177642	314180	884515	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Methyl acetate	TBAd1 0	Ave	3726 207094	8602 509423	16764	34355	103492	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Allyl chloride	FB	Ave	16809 763949	39472 2013079	80575	144711	408456	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Methylene Chloride	FB	Ave	10403 481443	25172 1261862	52643	93343	262746	0.200 10.0	0.500 25.0	1.00	2.00	5.00
t-Butyl alcohol	TBAd1 0	Ave	3177 179876	10010 477820	19143	35274	89372	4.00 200	10.0 500	20.0	40.0	100
Acrylonitrile	TBAd1 0	Ave	++++ 161520	++++ 432781	13084	27235	83133	++++ 25.0	++++ 62.5	2.50	5.00	12.5
Methyl tert-butyl ether	FB	Ave	20018 1025431	48150 2724781	101798	187942	541024	0.200 10.0	0.500 25.0	1.00	2.00	5.00
trans-1,2-Dichloroethene	FB	Ave	11338 516700	25653 1365879	54392	99262	282729	0.200 10.0	0.500 25.0	1.00	2.00	5.00
n-Hexane	FB	Ave	11511 733509	30625 1868531	75867	135673	393516	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1-Dichloroethane	FB	Ave	19419 944776	47051 2490248	100480	182173	512206	0.200 10.0	0.500 25.0	1.00	2.00	5.00
di-Isopropyl ether	FB	Ave	29623 1532789	71483 4079586	155041	282318	820815	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Chloro-1,3-butadiene	FB	Ave	14251 760188	33879 2007829	76102	137210	398905	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl t-butyl ether	FB	Ave	25638 1365983	61634 3693215	137170	244342	726011	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Butanone (MEK)	TBAd1 0	Ave	13169 808081	35756 2152705	76383	140109	417953	2.00 100	5.00 250	10.0	20.0	50.0
cis-1,2-Dichloroethene	FB	Ave	11716 576496	28366 1529983	60132	109432	305906	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2,2-Dichloropropane	FB	Ave	17224 794372	40782 2091785	84869	153705	429482	0.200 10.0	0.500 25.0	1.00	2.00	5.00

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Environment Testing, LLC

SDG No.:

Instrument ID: 16334 GC Column: R-624SilMS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2024 16:05 Calibration End Date: 12/03/2024 18:18 Calibration ID: 67963

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	Qua	3506	14274	32020	69444	227843	4.00	10.0	20.0	40.0	100
			459203	1253591				200	500			
Methacrylonitrile	TBAd1 0	Ave	11903	31893	82535	164485	481475	2.00	5.00	10.0	20.0	50.0
			930194	2498548				100	250			
Bromochloromethane	FB	Ave	3786	10093	23499	42653	119918	0.200	0.500	1.00	2.00	5.00
			223982	586879				10.0	25.0			
Tetrahydrofuran	TBAd1 0	Ave	++++	3807	11210	19610	61837	++++	2.50	5.00	10.0	25.0
			119325	322011				50.0	125			
Chloroform	FB	Ave	19698	45184	98445	176770	506612	0.200	0.500	1.00	2.00	5.00
			923970	2421910				10.0	25.0			
1,1,1-Trichloroethane	FB	Ave	17857	40514	87414	156008	439309	0.200	0.500	1.00	2.00	5.00
			808976	2137093				10.0	25.0			
Cyclohexane	FB	Ave	13910	39567	89108	160495	463715	0.200	0.500	1.00	2.00	5.00
			871204	2253420				10.0	25.0			
Carbon tetrachloride	FB	Ave	14622	33806	75268	133989	382481	0.200	0.500	1.00	2.00	5.00
			705791	1860654				10.0	25.0			
1,1-Dichloropropene	FB	Ave	15453	34770	78123	137040	399041	0.200	0.500	1.00	2.00	5.00
			745514	1958625				10.0	25.0			
Isobutyl alcohol	FB	Ave	3347	9213	17367	32401	99540	10.0	25.0	50.0	100	250
			189328	523290				500	1250			
Benzene	FB	Ave	46614	109204	237860	409760	1164816	0.200	0.500	1.00	2.00	5.00
			2155320	5682289				10.0	25.0			
1,2-Dichloroethane	FB	Ave	10485	25647	53515	94042	267172	0.200	0.500	1.00	2.00	5.00
			497648	1311844				10.0	25.0			
t-Amyl methyl ether	FB	Ave	21163	51702	110626	205886	602513	0.200	0.500	1.00	2.00	5.00
			1140045	3078503				10.0	25.0			
n-Heptane	FB	Ave	13038	29248	75912	134127	371302	0.200	0.500	1.00	2.00	5.00
			705660	1731722				10.0	25.0			
n-Butanol	TBAd1 0	Qua	++++	5401	14226	33736	137314	++++	43.8	87.5	175	438
			282300	854963				875	2188			
Trichloroethene	FB	Ave	11450	27681	60246	106268	303896	0.200	0.500	1.00	2.00	5.00
			566926	1499591				10.0	25.0			
Methylcyclohexane	FB	Ave	14451	38844	94088	169456	494196	0.200	0.500	1.00	2.00	5.00
			929220	2402775				10.0	25.0			
1,2-Dichloropropane	FB	Ave	10523	26241	56348	100818	289521	0.200	0.500	1.00	2.00	5.00
			535168	1420975				10.0	25.0			
Dibromomethane	FB	Ave	4436	10767	23103	39985	118370	0.200	0.500	1.00	2.00	5.00

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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	Ave	220005 ++++	585345 ++++	3051	10948	28481	10.0 ++++	25.0 ++++	50.0	100	250
Methyl methacrylate	TBA01	Ave	54833 ++++	135780 6469	14655	26752	83871	500 ++++	1250 0.500	1.00	2.00	5.00
Bromodichloromethane	FB	Ave	174082 12252 625244	483923 29324 1679274	61960	115539	331371	10.0 0.200 10.0	25.0 0.500 25.0	1.00	2.00	5.00
2-Nitropropane	TBA01	Ave	5212 243849	12747 638287	21818	40397	117113	1.00 50.0	2.50 125	5.00	10.0	25.0
1-Bromo-2-chloroethane	FB	Ave	9008 490806	21205 1262277	46498	95842	228348	0.200 10.0	0.500 25.0	1.00	2.00	5.00
cis-1,3-Dichloropropene	FB	Ave	14235 784476	33579 2147298	77165	141369	417413	0.200 10.0	0.500 25.0	1.00	2.00	5.00
4-Methyl-2-pentanone (MIBK)	TBA01	Ave	30907 2194385	83982 6077883	189139	375790	1116416	2.00 100	5.00 250	10.0	20.0	50.0
Toluene	CBZd5	Ave	28904 1387859	66999 3673140	147967	263681	746443	0.200 10.0	0.500 25.0	1.00	2.00	5.00
trans-1,3-Dichloropropene	CBZd5	Ave	10848 617479	26993 1707057	57396	110405	325432	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl methacrylate	CBZd5	Ave	398554 ++++	1123805 13550	32170	61823	201339	10.0 ++++	25.0 0.500	1.00	2.00	5.00
1,1,2-Trichloroethane	CBZd5	Ave	6910 323678	15734 846260	33186	60075	170031	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Tetrachloroethene	CBZd5	Ave	13301 623584	31355 1624189	65358	118374	336165	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,3-Dichloropropane	CBZd5	Ave	10571 571245	27194 1516964	57306	106667	305206	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Hexanone	TBA01	Ave	21158 1545408	61580 4197920	124705	254724	795187	2.00 100	5.00 250	10.0	20.0	50.0
Dibromochloromethane	CBZd5	Ave	7317 412795	17725 1143819	40257	74298	217986	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2-Dibromoethane (EDB)	CBZd5	Ave	5058 303700	13173 811627	29644	54379	164058	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1-Chlorohexane	CBZd5	Ave	16714 743300	36668 1967644	76521	137137	399476	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Chlorobenzene	CBZd5	Ave	32409	76639	165351	295221	839645	0.200	0.500	1.00	2.00	5.00

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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
			1550930	4100433				10.0	25.0			
1,1,1,2-Tetrachloroethane	CBZd5	Ave	10185 517028	23897 1382235	53055	95607	276920	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethylbenzene	CBZd5	Ave	53649 2764550	130075 7335028	281463	510427	1486798	0.200 10.0	0.500 25.0	1.00	2.00	5.00
m&p-Xylene	CBZd5	Ave	40262 2143990	100193 5679046	217619	395724	1160356	0.400 20.0	1.00 50.0	2.00	4.00	10.0
o-Xylene	CBZd5	Ave	18910 1032187	45815 2763250	104838	190698	557256	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Styrene	CBZd5	Ave	25866 1671286	66061 4514714	153403	285807	886451	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Bromoform	CBZd5	Ave	3663 218778	8988 612317	20481	37677	113725	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Isopropylbenzene	CBZd5	Ave	44131 2457615	108769 6510736	243585	440581	1315275	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1,2,2-Tetrachloroethane	DCBd4	Ave	6755 370026	17384 972366	37217	68960	197424	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Bromobenzene	DCBd4	Ave	12057 607331	28577 1608860	62293	115257	330476	0.200 10.0	0.500 25.0	1.00	2.00	5.00
trans-1,4-Dichloro-2-butene	TBA d1 0	Ave	14354 890726	37740 2412692	83727	157487	467344	2.00 100	5.00 250	10.0	20.0	50.0
1,2,3-Trichloropropane	DCBd4	Ave	1739 97608	4576 257054	10160	18881	53211	0.200 10.0	0.500 25.0	1.00	2.00	5.00
N-Propylbenzene	DCBd4	Ave	64636 3294955	154097 8474479	341766	613699	1768304	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Chlorotoluene	DCBd4	Ave	13577 638769	30771 1682443	66460	122148	347470	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,3,5-Trimethylbenzene	DCBd4	Ave	42521 2376550	105046 6235588	242188	434489	1267871	0.200 10.0	0.500 25.0	1.00	2.00	5.00
4-Chlorotoluene	DCBd4	Ave	12906 670929	32244 1736325	70610	128200	364812	0.200 10.0	0.500 25.0	1.00	2.00	5.00
tert-Butylbenzene	DCBd4	Ave	9515 511570	23614 1325469	51481	95235	270802	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Pentachloroethane	DCBd4	Ave	6095 372186	15209 962016	34802	70509	171947	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2,4-Trimethylbenzene	DCBd4	Ave	41964 2452311	110687 6416018	244208	448060	1303117	0.200 10.0	0.500 25.0	1.00	2.00	5.00
sec-Butylbenzene	DCBd4	Ave	57852 3076991	140716 7858381	309017	558971	1614632	0.200 10.0	0.500 25.0	1.00	2.00	5.00

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			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	25262 1283400	63594 3393565	134749	241470	695117	0.200 10.0	0.500 25.0	1.00	2.00	5.00
p-Isopropyltoluene	DCBd4	Ave	46957 2658919	116802 6883892	261939	479528	1420728	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,4-Dichlorobenzene	DCBd4	Ave	27913 1268318	64119 3345472	139934	250871	691343	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2,3-Trimethylbenzene	DCBd4	Ave	19903 1008016	47855 2673036	105239	188654	540891	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Benzyl chloride	DCBd4	Ave	2467 158969	6281 429914	15322	28456	79734	0.200 10.0	0.500 25.0	1.00	2.00	5.00
n-Butylbenzene	DCBd4	Ave	24810 1343790	61510 3418002	134904	248926	719739	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2-Dichlorobenzene	DCBd4	Ave	22602 1098625	55066 2867313	119001	209056	601232	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2-Dibromo-3-Chloropropane	TBA d1 0	Ave	580 46064	1906 128125	4070	8221	23192	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,3,5-Trichlorobenzene	DCBd4	Ave	20205 1021576	48242 2668518	106485	187427	551780	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2,4-Trichlorobenzene	DCBd4	Ave	16286 818098	39264 2180074	80461	146334	445779	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Hexachlorobutadiene	DCBd4	Ave	9452 441283	22092 1106417	44935	81623	233284	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Naphthalene	DCBd4	Ave	18287 1167840	47796 3223014	105429	200805	609000	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2,3-Trichlorobenzene	DCBd4	Ave	12544 645626	28726 1712102	63634	117115	349381	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Dibromofluoromethane (Surr)	FB	Ave	476726 485373	487081 480706	457423	496451	459804	10.00 10.00	10.00 10.00	10.00	10.00	10.00
1,2-Dichloroethane-d4 (Surr)	FB	Ave	90275 93861	94299 90205	87076	95195	87048	10.00 10.00	10.00 10.00	10.00	10.00	10.00
Toluene-d8 (Surr)	CBZd5	Ave	2036539 2060036	2095290 2063750	1946099	2141117	1991994	10.00 10.00	10.00 10.00	10.00	10.00	10.00
4-Bromofluorobenzene (Surr)	CBZd5	Ave	691148 717786	721740 720169	673609	736681	689198	10.00 10.00	10.00 10.00	10.00	10.00	10.00

Curve Type Legend:

Ave = Average ISTD
Qua = Quadratic ISTD

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-198585-1 Analy Batch No.: 581544
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: 12/03/2024 16:05 Calibration End Date: 12/03/2024 18:18 Calibration ID: 67963

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-581544/13	GD03X12.D
Level 2	IC 410-581544/14	GD03X13.D
Level 3	IC 410-581544/15	GD03X14.D
Level 4	IC 410-581544/16	GD03X15.D
Level 5	IC 410-581544/17	GD03X16.D
Level 6	ICIS 410-581544/18	GD03X17.D
Level 7	IC 410-581544/19	GD03X18.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	-21.0 1.5	-2.9	6.7	2.0	12.8	0.8	50 30	30	30	30	30	30
Chloromethane	20.4 -6.6	-2.5	-2.2	-7.0	4.8	-6.9	50 30	30	30	30	30	30
1,3-Butadiene	7.8 -2.9	-6.0	1.8	-5.6	8.2	-3.4	50 30	30	30	30	30	30
Vinyl chloride	1.7 -2.7	-0.3	0.8	-3.2	8.0	-4.3	50 30	30	30	30	30	30
Bromomethane	17.0 -9.3	-1.9	2.7	-4.2	3.5	-7.9	50 30	30	30	30	30	30
Chloroethane	10.2 -7.6	3.2	7.1	-4.9	3.5	-11.5	50 30	30	30	30	30	30
Dichlorofluoromethane	12.1 -4.3	-3.6	1.8	-5.6	7.3	-7.7	50 30	30	30	30	30	30
Trichlorofluoromethane	-6.4 -1.5	-3.4	3.4	-1.3	11.8	-2.5	50 30	30	30	30	30	30
Ethyl ether	5.7 -2.4	0.2	8.7	-6.9	-1.4	-3.8	50 30	30	30	30	30	30
Freon 123a	11.7 0.3	-1.3	4.1	-5.8	0.4	-9.4	50 30	30	30	30	30	30
Acrolein	2.0 25.5	-23.0	-1.5	-17.7	3.5	11.0	50 30	30	30	30	30	30
1,1-Dichloroethene	6.0 -2.2	-2.3	9.7	-12.5	7.5	-6.1	50 30	30	30	30	30	30
Acetone	40.0 -14.1	-8.2	6.7	-13.3	2.4	-13.4	50 30	30	30	30	30	30
Freon 113	-16.7 2.4	-10.3	15.9	-5.5	14.3	-0.1	50 30	30	30	30	30	30
Methyl iodide	0.5 0.8	-4.9	8.9	-10.5	8.6	-3.4	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.: 410-198585-1 Analy Batch No.: 581544
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: 12/03/2024 16:05 Calibration End Date: 12/03/2024 18:18 Calibration ID: 67963

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	-0.5 0.1	-4.5	8.0	-1.2	-2.1	0.1	50 30	30	30	30	30	30
Carbon disulfide	-5.9 0.8	-3.8	11.5	-9.8	9.7	-2.4	50 30	30	30	30	30	30
Methyl acetate	2.4 -1.3	-9.1	-1.8	-13.8	17.3	6.3	50 30	30	30	30	30	30
Allyl chloride	5.6 0.7	-3.5	6.7	-12.3	6.9	-4.0	50 30	30	30	30	30	30
Methylene Chloride	2.7 -0.8	-3.3	9.5	-11.1	8.0	-4.9	50 30	30	30	30	30	30
t-Butyl alcohol	-10.1 -4.7	8.9	15.5	-8.9	4.3	-5.0	50 30	30	30	30	30	30
Acrylonitrile	++++ 3.2	++++	-5.6	-15.8	16.1	2.1	30		50	30	30	30
Methyl tert-butyl ether	-2.1 6.1	-8.3	4.9	-11.3	10.2	0.4	50 30	30	30	30	30	30
trans-1,2-Dichloroethene	5.3 1.0	-7.2	6.5	-11.0	9.4	-3.9	50 30	30	30	30	30	30
n-Hexane	-18.2 5.8	-15.3	13.7	-6.9	16.5	4.4	50 30	30	30	30	30	30
1,1-Dichloroethane	-0.5 1.6	-6.1	8.6	-9.9	9.4	-3.1	50 30	30	30	30	30	30
di-Isopropyl ether	-3.4 5.9	-9.3	6.5	-11.2	11.5	0.0	50 30	30	30	30	30	30
2-Chloro-1,3-butadiene	-4.6 7.1	-11.7	7.4	-11.4	11.3	1.9	50 30	30	30	30	30	30
Ethyl t-butyl ether	-5.1 8.9	-11.2	7.0	-12.7	11.9	1.2	50 30	30	30	30	30	30
2-Butanone (MEK)	-10.9 2.6	-7.0	10.1	-13.5	16.6	2.1	50 30	30	30	30	30	30
cis-1,2-Dichloroethene	-0.5 3.4	-6.3	7.6	-10.4	8.2	-2.0	50 30	30	30	30	30	30
2,2-Dichloropropane	3.7 0.3	-4.4	7.7	-10.7	7.7	-4.3	50 30	30	30	30	30	30
Propionitrile	46.3 0.1	4.1	-2.4	-18.5	9.2	-2.0	50 30	30	30	30	30	30
Methacrylonitrile	-25.3 10.4	-23.1	10.3	-5.8	24.5	8.9	50 30	30	30	30	30	30
Bromochloromethane	-14.3 5.8	-11.1	12.1	-6.9	13.0	1.4	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.: 410-198585-1 Analy Batch No.: 581544
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: 12/03/2024 16:05 Calibration End Date: 12/03/2024 18:18 Calibration ID: 67963

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	++++ 7.3	-30.8	13.0	-15.3	20.6	5.3	30	50	30	30	30	30
Chloroform	2.9 0.8	-8.1	8.4	-10.9	10.3	-3.4	50 30	30	30	30	30	30
1,1,1-Trichloroethane	5.4 0.4	-6.9	8.7	-11.2	8.0	-4.4	50 30	30	30	30	30	30
Cyclohexane	-17.7 6.2	-8.8	11.2	-8.4	14.3	3.2	50 30	30	30	30	30	30
Carbon tetrachloride	0.9 2.2	-9.2	9.5	-10.8	9.9	-2.5	50 30	30	30	30	30	30
1,1-Dichloropropene	2.2 3.2	-10.5	8.9	-12.5	10.0	-1.3	50 30	30	30	30	30	30
Isobutyl alcohol	-9.3 13.0	-2.8	-0.8	-15.3	12.4	2.7	50 30	30	30	30	30	30
Benzene	3.4 0.3	-5.7	11.2	-12.3	7.6	-4.4	50 30	30	30	30	30	30
1,2-Dichloroethane	1.4 1.1	-3.4	9.1	-12.2	7.7	-3.6	50 30	30	30	30	30	30
t-Amyl methyl ether	-5.6 9.4	-10.2	4.0	-11.4	12.0	1.8	50 30	30	30	30	30	30
n-Heptane	-5.7 -0.2	-17.6	15.8	-6.4	11.9	2.2	50 30	30	30	30	30	30
n-Butanol	++++ 0.1	22.5	-1.6	-21.8	11.2	-2.4	30	50	30	30	30	30
Trichloroethene	-1.2 3.0	-7.0	9.6	-11.5	9.2	-2.1	50 30	30	30	30	30	30
Methylcyclohexane	-18.5 8.0	-14.7	11.9	-7.8	16.1	4.9	50 30	30	30	30	30	30
1,2-Dichloropropane	-3.6 3.6	-6.4	8.8	-10.9	10.5	-1.9	50 30	30	30	30	30	30
Dibromomethane	-0.9 4.1	-6.4	8.7	-13.9	10.1	-1.7	50 30	30	30	30	30	30
1,4-Dioxane	++++ -0.5	++++	-32.3	4.0	22.2	6.5	30		50	30	30	30
Methyl methacrylate	++++ 12.6	-17.9	3.1	-19.3	14.2	7.3	30	50	30	30	30	30
Bromodichloromethane	-2.1 6.9	-8.7	4.4	-10.9	10.3	0.0	50 30	30	30	30	30	30
2-Nitropropane	12.9 -2.6	6.1	0.7	-20.1	4.6	-1.4	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.: 410-198585-1 Analy Batch No.: 581544
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: 12/03/2024 16:05 Calibration End Date: 12/03/2024 18:18 Calibration ID: 67963

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	-4.0 7.1	-12.0	4.4	-1.5	1.3	4.7	50 30	30	30	30	30	30
cis-1,3-Dichloropropene	-7.2 11.5	-14.8	6.0	-11.1	13.3	2.3	50 30	30	30	30	30	30
4-Methyl-2-pentanone (MIBK)	-19.2 12.0	-15.6	5.4	-10.3	20.4	7.2	50 30	30	30	30	30	30
Toluene	2.3 1.9	-7.7	9.5	-11.2	8.0	-2.8	50 30	30	30	30	30	30
trans-1,3-Dichloropropene	-8.3 13.1	-11.1	1.5	-11.2	12.6	3.3	50 30	30	30	30	30	30
Ethyl methacrylate	++++ 23.4	-26.1	-5.7	-17.6	15.4	10.5	30	50	30	30	30	30
1,1,2-Trichloroethane	5.9 1.6	-6.1	6.3	-12.4	6.6	-1.9	50 30	30	30	30	30	30
Tetrachloroethene	4.3 -0.2	-4.2	7.2	-11.7	7.8	-3.2	50 30	30	30	30	30	30
1,3-Dichloropropane	-6.3 5.4	-6.1	6.2	-10.0	10.6	0.2	50 30	30	30	30	30	30
2-Hexanone	-20.3 11.4	-10.9	0.1	-12.4	23.5	8.7	50 30	30	30	30	30	30
Dibromochloromethane	-8.1 12.5	-13.3	5.7	-11.3	11.9	2.6	50 30	30	30	30	30	30
1,2-Dibromoethane (EDB)	-12.9 9.6	-11.6	6.8	-10.9	15.6	3.5	50 30	30	30	30	30	30
1-Chlorohexane	9.9 1.3	-6.2	5.2	-14.3	7.4	-3.3	50 30	30	30	30	30	30
Chlorobenzene	2.2 1.3	-5.9	9.0	-11.5	8.2	-3.3	50 30	30	30	30	30	30
1,1,1,2-Tetrachloroethane	-1.1 5.2	-9.6	7.8	-11.7	10.0	-0.6	50 30	30	30	30	30	30
Ethylbenzene	-2.4 4.6	-7.8	7.1	-11.6	10.6	-0.5	50 30	30	30	30	30	30
m&p-Xylene	-5.0 5.0	-8.0	7.3	-11.2	11.9	0.1	50 30	30	30	30	30	30
o-Xylene	-6.6 7.0	-11.9	8.3	-10.4	12.6	0.9	50 30	30	30	30	30	30
Styrene	-16.0 14.9	-16.5	4.2	-11.7	17.7	7.4	50 30	30	30	30	30	30
Bromoform	-11.0 16.6	-15.0	4.1	-12.9	13.0	5.2	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.: 410-198585-1 Analy Batch No.: 581544
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: 12/03/2024 16:05 Calibration End Date: 12/03/2024 18:18 Calibration ID: 67963

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	-7.2 7.3	-10.9	7.1	-11.8	13.1	2.3	50 30	30	30	30	30	30
1,1,2,2-Tetrachloroethane	-7.5 6.9	-8.5	6.2	-9.3	11.5	0.7	50 30	30	30	30	30	30
Bromobenzene	-1.5 5.5	-10.3	6.0	-9.6	11.3	-1.4	50 30	30	30	30	30	30
trans-1,4-Dichloro-2-butene	-11.8 4.4	-10.9	9.6	-11.7	18.3	2.1	50 30	30	30	30	30	30
1,2,3-Trichloropropane	-10.7 6.0	-9.6	8.8	-6.9	12.7	-0.3	50 30	30	30	30	30	30
N-Propylbenzene	-1.8 3.4	-10.0	8.3	-10.4	10.8	-0.4	50 30	30	30	30	30	30
2-Chlorotoluene	3.8 3.3	-9.5	5.9	-10.3	9.6	-2.9	50 30	30	30	30	30	30
1,3,5-Trimethylbenzene	-8.3 8.0	-12.9	8.8	-10.0	12.7	1.8	50 30	30	30	30	30	30
4-Chlorotoluene	-4.6 3.1	-8.3	8.8	-8.9	11.2	-1.4	50 30	30	30	30	30	30
tert-Butylbenzene	-5.5 5.8	-9.8	6.6	-9.1	11.0	1.0	50 30	30	30	30	30	30
Pentachloroethane	-11.5 12.2	-15.1	5.4	-1.6	3.0	7.5	50 30	30	30	30	30	30
1,2,4-Trimethylbenzene	-11.6 8.5	-10.4	7.2	-9.4	13.1	2.6	50 30	30	30	30	30	30
sec-Butylbenzene	-3.8 5.0	-10.0	7.1	-10.7	10.7	1.7	50 30	30	30	30	30	30
1,3-Dichlorobenzene	-3.1 4.6	-6.2	7.8	-11.0	10.0	-2.1	50 30	30	30	30	30	30
p-Isopropyltoluene	-8.5 7.7	-12.5	6.4	-10.3	14.2	3.0	50 30	30	30	30	30	30
1,4-Dichlorobenzene	4.8 0.9	-7.4	9.5	-9.5	7.1	-5.3	50 30	30	30	30	30	30
1,2,3-Trimethylbenzene	-2.0 5.7	-9.4	8.0	-10.8	9.8	-1.3	50 30	30	30	30	30	30
Benzyl chloride	-16.6 16.7	-18.4	7.9	-7.6	11.1	6.8	50 30	30	30	30	30	30
n-Butylbenzene	-5.8 4.2	-10.2	6.8	-9.2	12.7	1.4	50 30	30	30	30	30	30
1,2-Dichlorobenzene	-0.1 1.8	-6.4	9.7	-11.2	9.6	-3.4	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.: 410-198585-1 Analy Batch No.: 581544
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: 12/03/2024 16:05 Calibration End Date: 12/03/2024 18:18 Calibration ID: 67963

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	-28.1 11.8	-9.2	7.5	-7.0	18.5	6.6	50 30	30	30	30	30	30
1,3,5-Trichlorobenzene	-1.4 4.6	-9.5	8.3	-12.1	11.0	-0.9	50 30	30	30	30	30	30
1,2,4-Trichlorobenzene	-0.3 7.2	-7.6	2.7	-14.0	12.5	-0.5	50 30	30	30	30	30	30
Hexachlorobutadiene	6.0 -0.4	-4.8	5.0	-12.1	7.9	-1.6	50 30	30	30	30	30	30
Naphthalene	-15.9 19.1	-15.5	1.1	-11.3	15.5	6.8	50 30	30	30	30	30	30
1,2,3-Trichlorobenzene	-1.4 8.0	-13.2	4.2	-11.6	13.2	0.8	50 30	30	30	30	30	30
Dibromofluoromethane (Surr)	-0.5 -0.2	-1.1	0.6	-0.1	-0.1	1.3	50 30	30	30	30	30	30
1,2-Dichloroethane-d4 (Surr)	-1.3 -1.8	0.4	0.4	0.4	-0.9	2.7	50 30	30	30	30	30	30
Toluene-d8 (Surr)	0.1 -0.7	0.2	0.0	0.1	0.1	0.2	50 30	30	30	30	30	30
4-Bromofluorobenzene (Surr)	-1.6 0.4	0.0	0.2	-0.3	0.3	1.1	50 30	30	30	30	30	30

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X12.D
 Lims ID: IC std1
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 03-Dec-2024 16:05:30 ALS Bottle#: 2 Worklist Smp#: 13
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0132221-013
 Misc. Info.: IC STD1
 Operator ID: knk41612 Instrument ID: 16334
 Sublist: chrom-MSV_16334_25mL*sub4
 Method: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\MSV_16334_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 09-Dec-2024 09:41:57 Calib Date: 03-Dec-2024 18:18:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1610

First Level Reviewer: DVW2

Date: 04-Dec-2024 08:12:08

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.709	1.709	0.000	38	10274	0.2000	0.1581	
5 Chloromethane	50	1.885	1.879	0.006	98	18766	0.2000	0.2407	M
7 Butadiene	39	1.965	1.965	0.000	89	15480	0.2000	0.2157	M
6 Vinyl chloride	62	1.983	1.977	0.006	97	14365	0.2000	0.2034	
9 Bromomethane	94	2.276	2.269	0.007	91	10747	0.2000	0.2340	M
10 Chloroethane	64	2.306	2.306	0.000	98	7859	0.2000	0.2204	
11 Dichlorofluoromethane	67	2.507	2.507	0.000	96	22399	0.2000	0.2242	
12 Trichlorofluoromethane	101	2.605	2.599	0.006	97	14635	0.2000	0.1871	
13 Ethyl ether	59	2.769	2.763	0.006	89	6055	0.2000	0.2114	M
16 1,2-Dichloro-1,1,2-trifluoroetha	67	2.830	2.843	-0.012	92	13177	0.2000	0.2234	
17 Acrolein	56	2.928	2.910	0.018	98	30260	9.76	9.96	M
18 1,1-Dichloroethene	96	3.025	3.025	0.000	98	9708	0.2000	0.2119	
19 Acetone	43	3.068	3.062	0.006	54	12073	2.00	2.80	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.068	3.068	0.000	77	8037	0.2000	0.1667	
21 Isopropyl alcohol	45		3.178				ND	ND	MU
22 Iodomethane	142	3.190	3.190	0.000	99	17814	0.2000	0.2010	
23 Ethyl bromide	108	3.214	3.214	0.000	96	8046	0.2003	0.1993	
24 Carbon disulfide	76	3.281	3.275	0.006	99	31600	0.2000	0.1882	
25 Methyl acetate	43	3.422	3.409	0.013	20	3726	0.2000	0.2049	M
27 3-Chloro-1-propene	41	3.434	3.422	0.012	92	16809	0.2000	0.2111	
29 Methylene Chloride	84	3.580	3.580	0.000	84	10403	0.2000	0.2053	
* 30 t-Butyl alcohol-d10 (IS)	65	3.617	3.629	-0.012	90	75156	50.0	50.0	M
31 2-Methyl-2-propanol	59	3.727	3.720	0.007	1	3177	4.00	3.60	
32 Acrylonitrile	53		3.879				ND	ND	
33 Methyl tert-butyl ether	73	3.940	3.928	0.012	71	20018	0.2000	0.1958	
34 trans-1,2-Dichloroethene	96	3.940	3.934	0.006	98	11338	0.2000	0.2106	M
35 Hexane	57	4.342	4.330	0.012	94	11511	0.2000	0.1637	
37 1,1-Dichloroethane	63	4.562	4.562	0.000	95	19419	0.2000	0.1991	
38 Isopropyl ether	45	4.635	4.635	0.000	94	29623	0.2000	0.1931	
39 2-Chloro-1,3-butadiene	53	4.684	4.678	0.006	85	14251	0.2000	0.1909	M

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 Tert-butyl ethyl ether	59	5.177	5.190	-0.013	96	25638	0.2000	0.1898	M
41 2-Butanone (MEK)	43	5.440	5.391	0.049	27	13169	2.00	1.78	Ma
42 cis-1,2-Dichloroethene	96	5.434	5.421	0.013	80	11716	0.2000	0.1989	
43 2,2-Dichloropropane	77	5.427	5.440	-0.013	66	17224	0.2000	0.2074	a
45 Propionitrile	54	5.683	5.488	0.195	32	3506	4.00	5.85	M
48 Methacrylonitrile	67	5.714	5.702	0.012	86	11903	2.00	1.49	
49 Chlorobromomethane	128	5.751	5.757	-0.007	58	3786	0.2000	0.1713	M
50 Tetrahydrofuran	71		5.781				ND	ND	MU
51 Chloroform	83	5.921	5.921	0.000	94	19698	0.2000	0.2058	
53 1,1,1-Trichloroethane	97	6.135	6.141	-0.006	16	17857	0.2000	0.2108	M
\$ 52 Dibromofluoromethane (Surr)	113	6.141	6.141	0.000	93	476726	10.0	9.95	
S 47 1,2-Dichloroethene, Total	100				0			0.4096	
54 Cyclohexane	56	6.232	6.244	-0.012	75	13910	0.2000	0.1647	
55 Carbon tetrachloride	117	6.360	6.360	0.000	92	14622	0.2000	0.2018	
56 1,1-Dichloropropene	75	6.366	6.366	0.000	96	15453	0.2000	0.2045	
58 Isobutyl alcohol	41	6.592	6.567	0.025	31	3347	10.0	9.07	M
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.598	6.592	0.006	65	90275	10.0	9.87	
60 Benzene	78	6.634	6.628	0.006	95	46614	0.2000	0.2067	
61 1,2-Dichloroethane	62	6.702	6.702	0.000	86	10485	0.2000	0.2029	a
63 Tert-amyl methyl ether	73	6.842	6.842	0.000	95	21163	0.2000	0.1888	
* 64 Fluorobenzene (IS)	96	7.049	7.049	0.000	99	2031304	10.0	10.0	
65 n-Heptane	43	7.067	7.073	-0.006	40	13038	0.2000	0.1887	
67 n-Butanol	56		7.482				ND	ND	
68 Trichloroethene	95	7.543	7.537	0.006	95	11450	0.2000	0.1976	
69 Methylcyclohexane	83	7.842	7.842	0.000	89	14451	0.2000	0.1631	
70 1,2-Dichloropropane	63	7.866	7.872	-0.006	94	10523	0.2000	0.1928	
71 2-ethoxy-2-methyl butane	87	7.903	7.909	-0.006	93	14391	0.2000	0.1830	
73 1,4-Dioxane	88		7.976				ND	ND	
74 Dibromomethane	93	7.988	7.982	0.006	92	4436	0.2000	0.1981	M
72 Methyl methacrylate	69	8.012	7.988	0.024	16	1730	0.2000	0.1143	M
76 Dichlorobromomethane	83	8.232	8.232	0.000	98	12252	0.2000	0.1959	
77 2-Nitropropane	41	8.512	8.512	0.000	94	5212	1.00	1.13	M
79 1-Bromo-2-chloroethane	63	8.634	8.622	0.012	96	9008	0.2000	0.1920	M
81 cis-1,3-Dichloropropene	75	8.811	8.799	0.012	95	14235	0.2000	0.1856	M
82 4-Methyl-2-pentanone (MIBK)	43	9.012	9.006	0.006	97	30907	2.00	1.62	
\$ 83 Toluene-d8 (Surr)	98	9.140	9.140	0.000	94	2036539	10.0	10.0	
84 Toluene	92	9.225	9.225	0.000	98	28904	0.2000	0.2046	
85 trans-1,3-Dichloropropene	75	9.536	9.518	0.018	91	10848	0.2000	0.1835	M
86 Ethyl methacrylate	69	9.622	9.609	0.013	89	4559	0.2000	0.1278	
107 1,1,2-Trichloroethane	97	9.738	9.737	0.001	90	6910	0.2000	0.2118	
108 Tetrachloroethene	166	9.829	9.823	0.006	97	13301	0.2000	0.2086	
109 1,3-Dichloropropane	76	9.914	9.908	0.006	91	10571	0.2000	0.1874	
110 2-Hexanone	43	10.006	9.987	0.019	93	21158	2.00	1.59	M
S 106 1,3-Dichloropropene, Total	100				0			0.3691	
112 Chlorodibromomethane	129	10.134	10.134	0.000	89	7317	0.2000	0.1837	
113 Ethylene Dibromide	107	10.250	10.243	0.007	98	5058	0.2000	0.1742	
* 114 Chlorobenzene-d5 (IS)	117	10.707	10.707	0.000	86	1466082	10.0	10.0	
116 Chlorobenzene	112	10.731	10.731	0.000	96	32409	0.2000	0.2043	
115 1-Chlorohexane	91	10.731	10.731	0.000	67	16714	0.2000	0.2197	
117 1,1,1,2-Tetrachloroethane	131	10.823	10.823	0.000	93	10185	0.2000	0.1979	
118 Ethylbenzene	91	10.835	10.829	0.006	98	53649	0.2000	0.1952	
120 m-Xylene & p-Xylene	106	10.957	10.951	0.006	100	40262	0.4000	0.3798	

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			0.5667	
121 o-Xylene	106	11.292	11.292	0.000	96	18910	0.2000	0.1869	
122 Styrene	104	11.310	11.310	0.000	94	25866	0.2000	0.1680	a
123 Bromoform	173	11.463	11.463	0.000	92	3663	0.2000	0.1780	
124 Isopropylbenzene	105	11.603	11.603	0.000	96	44131	0.2000	0.1857	
\$ 127 4-Bromofluorobenzene (Surr)	95	11.743	11.743	0.000	89	691148	10.0	9.83	
128 1,1,2,2-Tetrachloroethane	83	11.859	11.859	0.000	67	6755	0.2000	0.1850	
129 Bromobenzene	156	11.865	11.859	0.006	91	12057	0.2000	0.1969	
130 trans-1,4-Dichloro-2-butene	53	11.890	11.883	0.007	93	14354	2.00	1.76	
131 1,2,3-Trichloropropane	110	11.902	11.902	0.000	75	1739	0.2000	0.1786	
132 N-Propylbenzene	91	11.938	11.938	0.000	98	64636	0.2000	0.1965	
133 2-Chlorotoluene	126	12.011	12.011	0.000	97	13577	0.2000	0.2077	
134 1,3,5-Trimethylbenzene	105	12.085	12.085	0.000	94	42521	0.2000	0.1833	
135 4-Chlorotoluene	126	12.109	12.103	0.006	96	12906	0.2000	0.1909	
136 tert-Butylbenzene	134	12.322	12.322	0.000	91	9515	0.2000	0.1891	
137 Pentachloroethane	167	12.347	12.353	-0.006	76	6095	0.2000	0.1771	
138 1,2,4-Trimethylbenzene	105	12.371	12.365	0.006	96	41964	0.2000	0.1767	
139 sec-Butylbenzene	105	12.487	12.487	0.000	94	57852	0.2000	0.1924	
140 1,3-Dichlorobenzene	146	12.585	12.585	0.001	97	25262	0.2000	0.1939	
141 4-Isopropyltoluene	119	12.603	12.603	0.000	97	46957	0.2000	0.1830	
* 142 1,4-Dichlorobenzene-d4	152	12.639	12.639	0.000	95	787312	10.0	10.0	
143 1,4-Dichlorobenzene	146	12.658	12.658	0.000	95	27913	0.2000	0.2096	
144 1,2,3-Trimethylbenzene	120	12.676	12.676	0.000	94	19903	0.2000	0.1960	
145 Benzyl chloride	126	12.749	12.737	0.012	98	2467	0.2000	0.1668	a
146 p-Diethylbenzene	119	12.877	12.877	0.000	93	30253	0.2000	0.1908	
147 n-Butylbenzene	92	12.895	12.895	0.000	97	24810	0.2000	0.1884	
148 1,2-Dichlorobenzene	146	12.920	12.920	0.000	98	22602	0.2000	0.1999	
150 1,2-Dibromo-3-Chloropropane	155	13.462	13.462	0.000	68	580	0.2000	0.1437	
151 1,3,5-Trichlorobenzene	180	13.597	13.590	0.007	96	20205	0.2000	0.1972	
152 1,2,4-Trichlorobenzene	180	14.017	14.011	0.006	95	16286	0.2000	0.1994	
153 Hexachlorobutadiene	225	14.103	14.103	0.001	95	9452	0.2000	0.2120	
154 Naphthalene	128	14.194	14.188	0.006	97	18287	0.2000	0.1683	
155 1,2,3-Trichlorobenzene	180	14.334	14.334	0.000	96	12544	0.2000	0.1971	
156 2-Methylnaphthalene	142	14.926	14.919	0.007	93	8956	0.2000	0.2834	
167 Pentane	43	2.769	2.769	0.000	36	650	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

a - User Assigned ID

Reagents:

MSV_LL_#1_826_00155	Amount Added: 2.00	Units: uL	
MSV_LL_#2_826_00163	Amount Added: 2.00	Units: uL	
MSV_LL_GAS826_00247	Amount Added: 2.00	Units: uL	
MSV_29_826ISS_00057	Amount Added: 1.20	Units: uL	Run Reagent

Report Date: 09-Dec-2024 09:41:59

Chrom Revision: 2.3 12-Nov-2024 16:55:22

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X12.D

Injection Date: 03-Dec-2024 16:05:30

Instrument ID: 16334

Operator ID: knk41612

Lims ID: IC std1

Worklist Smp#: 13

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

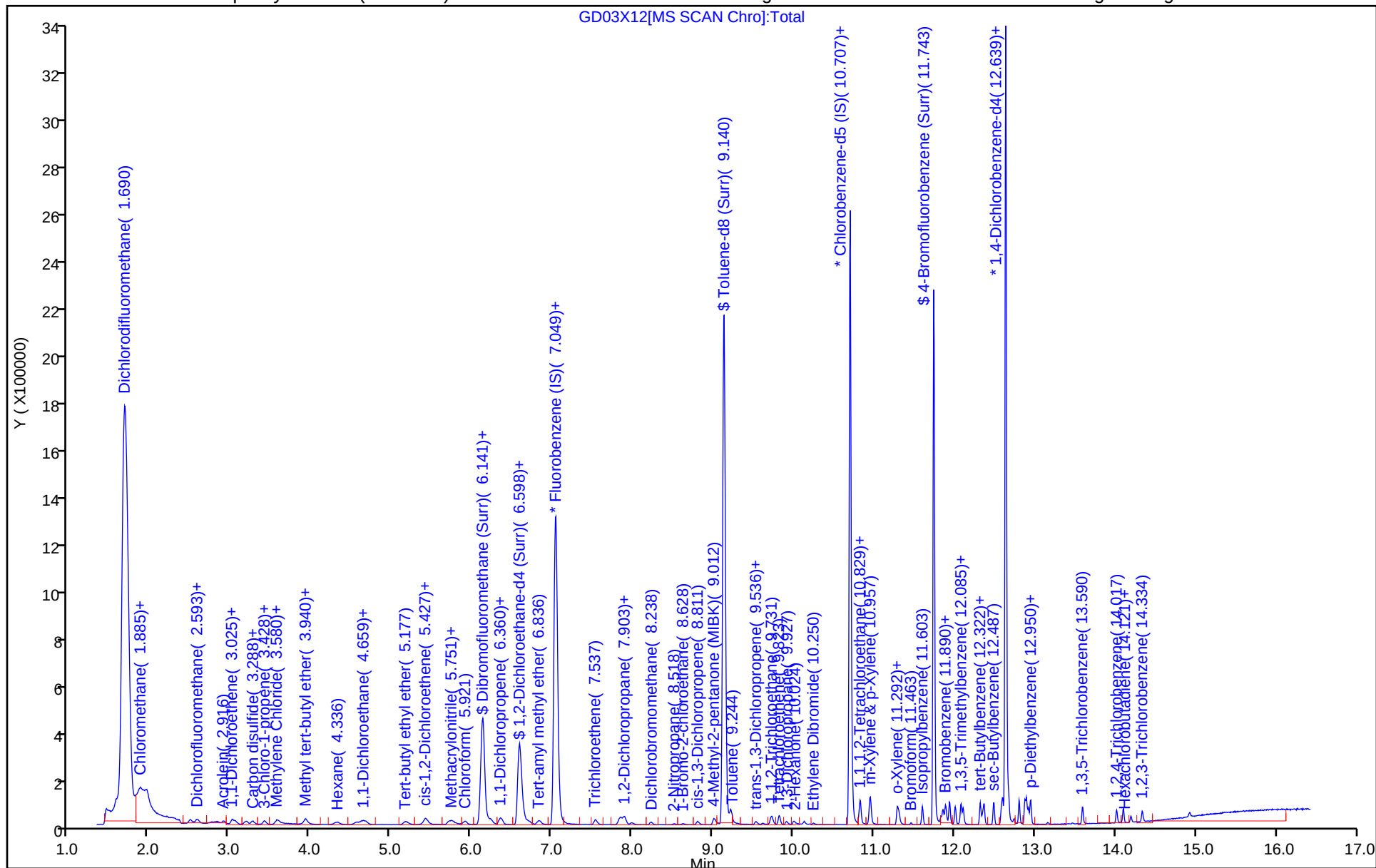
ALS Bottle#: 2

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

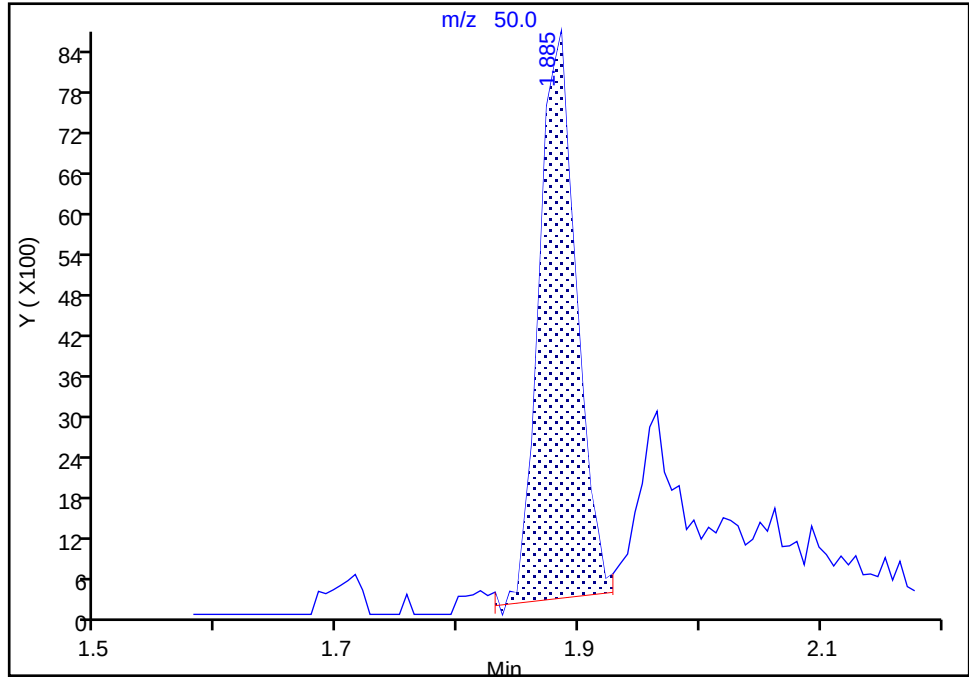
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Injection Date: 03-Dec-2024 16:05:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

5 Chloromethane, CAS: 74-87-3

Signal: 1

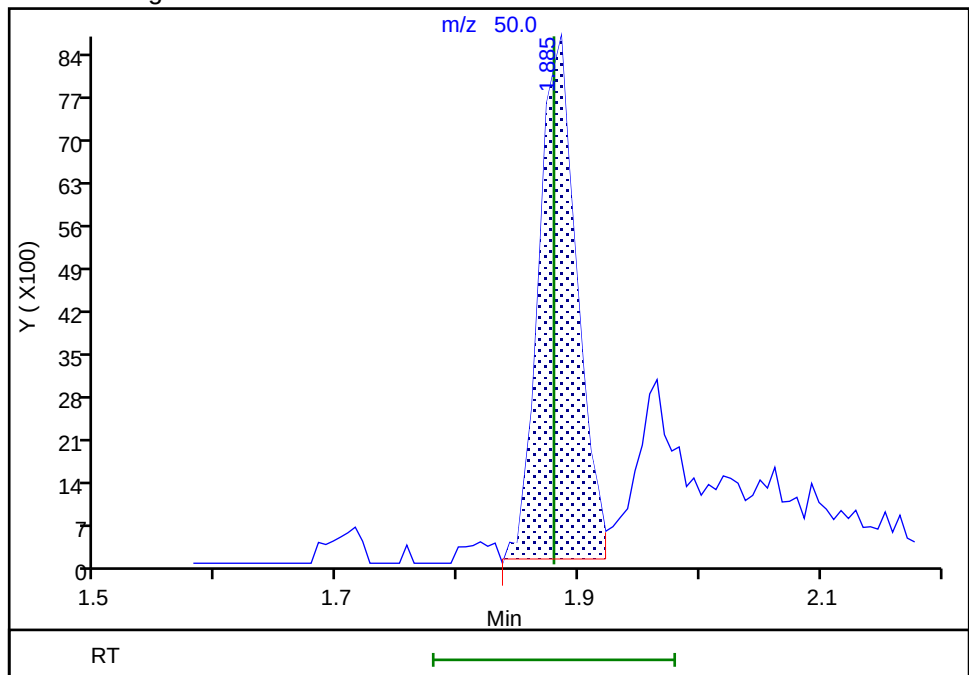
RT: 1.89
Area: 18080
Amount: 0.233386
Amount Units: ug/l

Processing Integration Results



RT: 1.89
Area: 18766
Amount: 0.240718
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 08-Dec-2024 11:06:31 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins Lancaster Laboratories Environment Testing, LLC

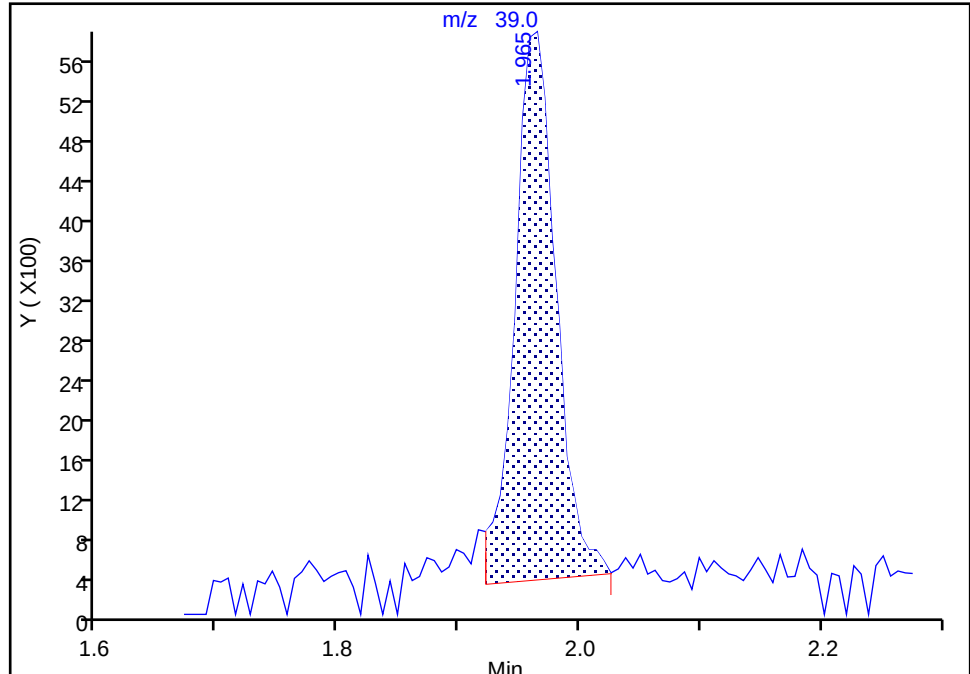
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Injection Date: 03-Dec-2024 16:05:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

7 Butadiene, CAS: 106-99-0

Signal: 1

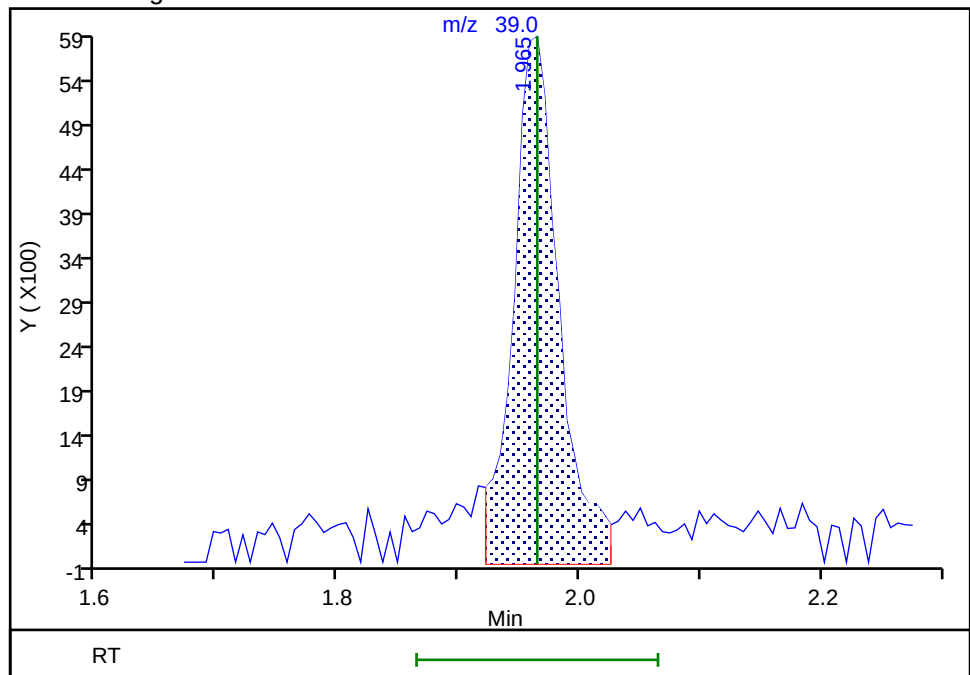
RT: 1.96
Area: 13031
Amount: 0.186111
Amount Units: ug/l

Processing Integration Results



RT: 1.96
Area: 15480
Amount: 0.215699
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-Dec-2024 08:31:57 -05:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

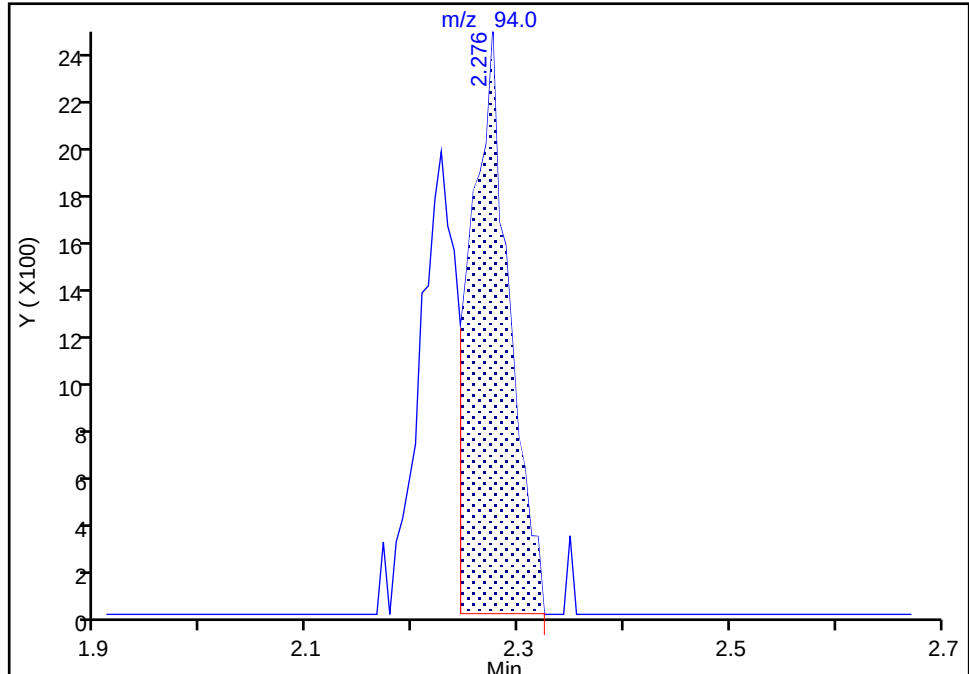
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Injection Date: 03-Dec-2024 16:05:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

9 Bromomethane, CAS: 74-83-9

Signal: 1

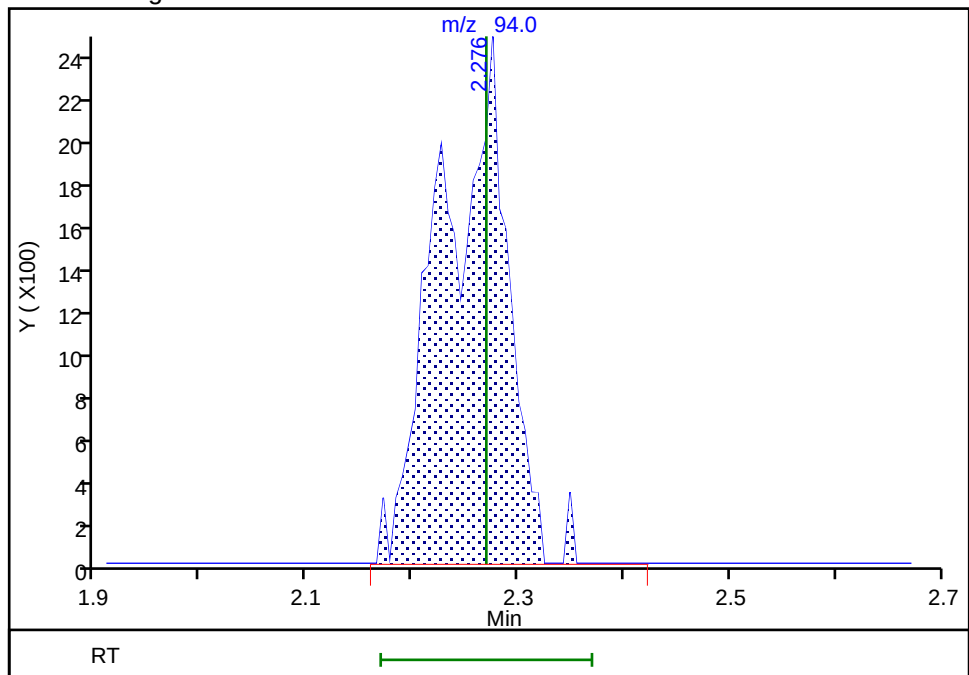
RT: 2.28
Area: 6275
Amount: 0.153973
Amount Units: ug/l

Processing Integration Results



RT: 2.28
Area: 10747
Amount: 0.234027
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-Dec-2024 08:32:01 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

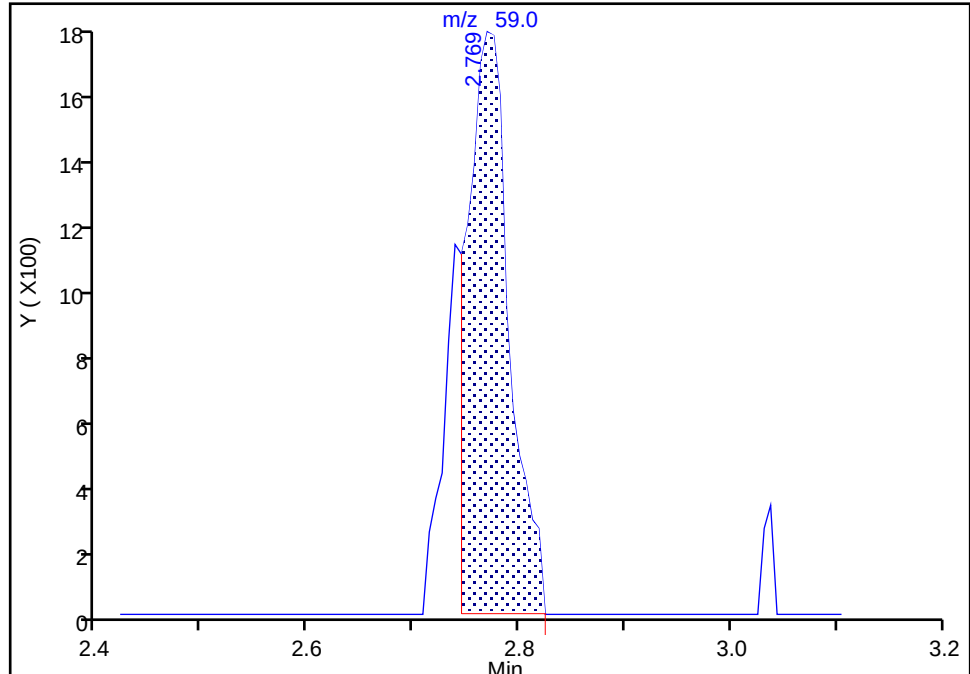
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Lims ID: IC std1
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

13 Ethyl ether, CAS: 60-29-7

Signal: 1

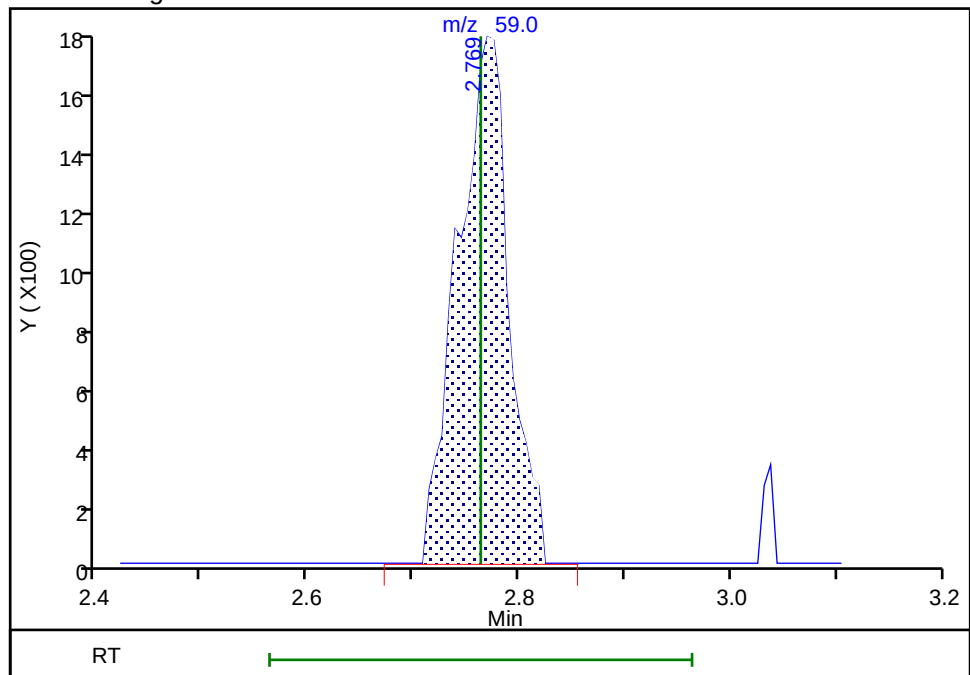
RT: 2.77
Area: 4951
Amount: 0.178670
Amount Units: ug/l

Processing Integration Results



RT: 2.77
Area: 6055
Amount: 0.211358
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-Dec-2024 08:32:05 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

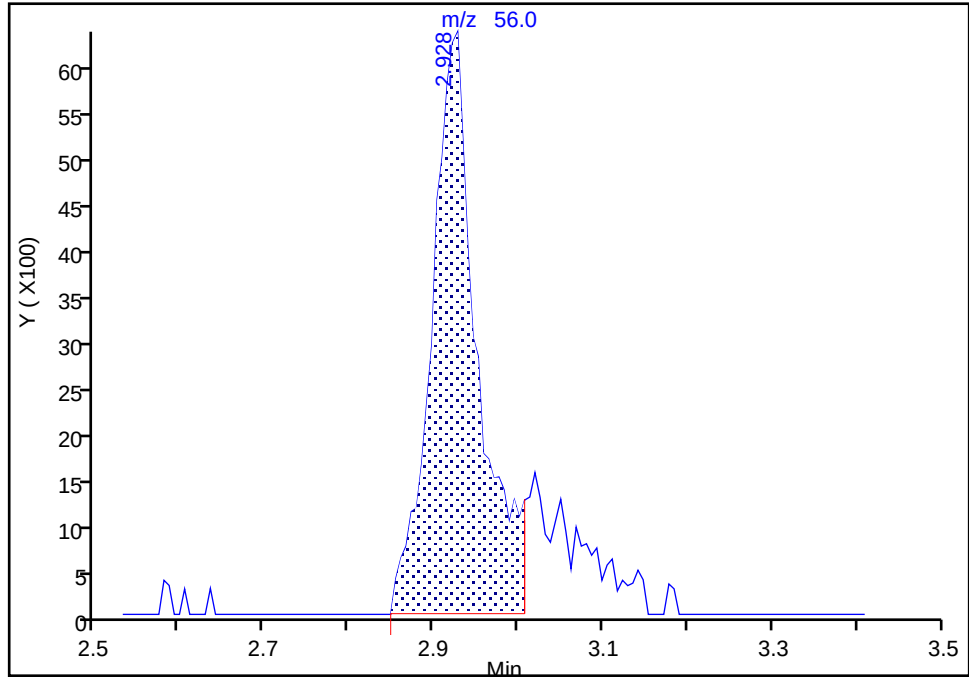
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Injection Date: 03-Dec-2024 16:05:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm i.d.) Detector: MS Quad

17 Acrolein, CAS: 107-02-8

Signal: 1

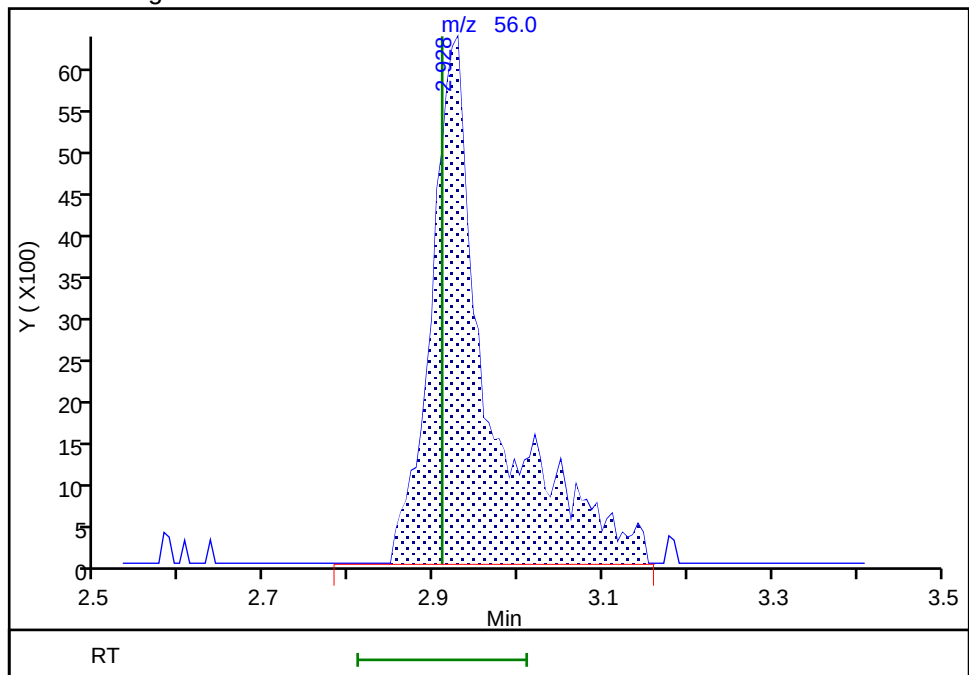
RT: 2.93
Area: 24096
Amount: 8.172303
Amount Units: ug/l

Processing Integration Results



RT: 2.93
Area: 30260
Amount: 9.958105
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-Dec-2024 08:42:41 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

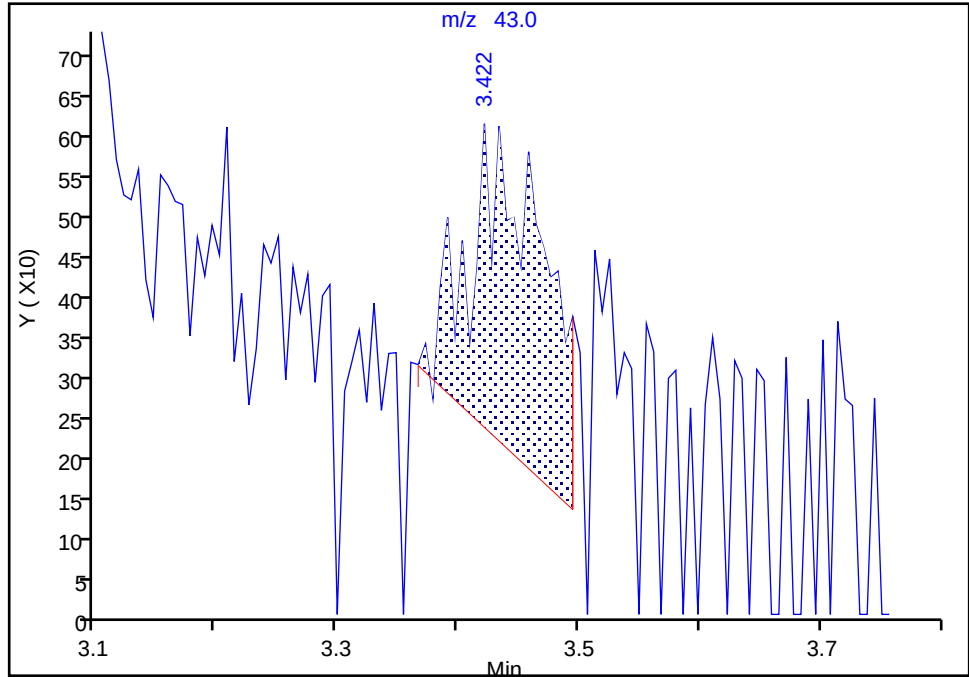
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Lims ID: IC std1
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

25 Methyl acetate, CAS: 79-20-9

Signal: 1

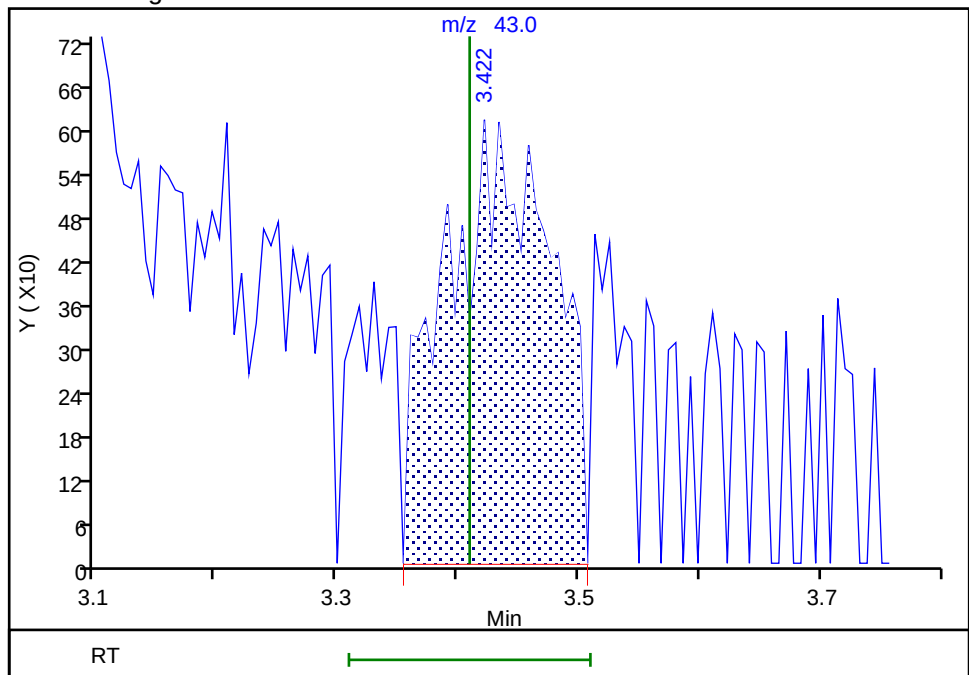
RT: 3.42
Area: 1713
Amount: 0.157749
Amount Units: ug/l

Processing Integration Results



RT: 3.42
Area: 3726
Amount: 0.204873
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-Dec-2024 08:32:21 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

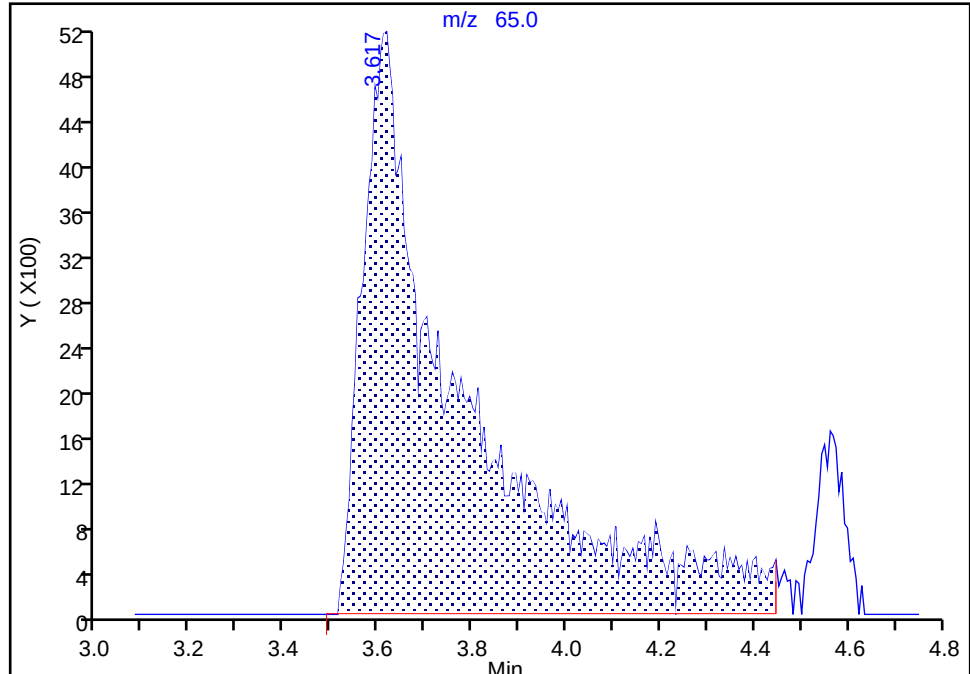
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Lims ID: IC std1
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

* 30 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

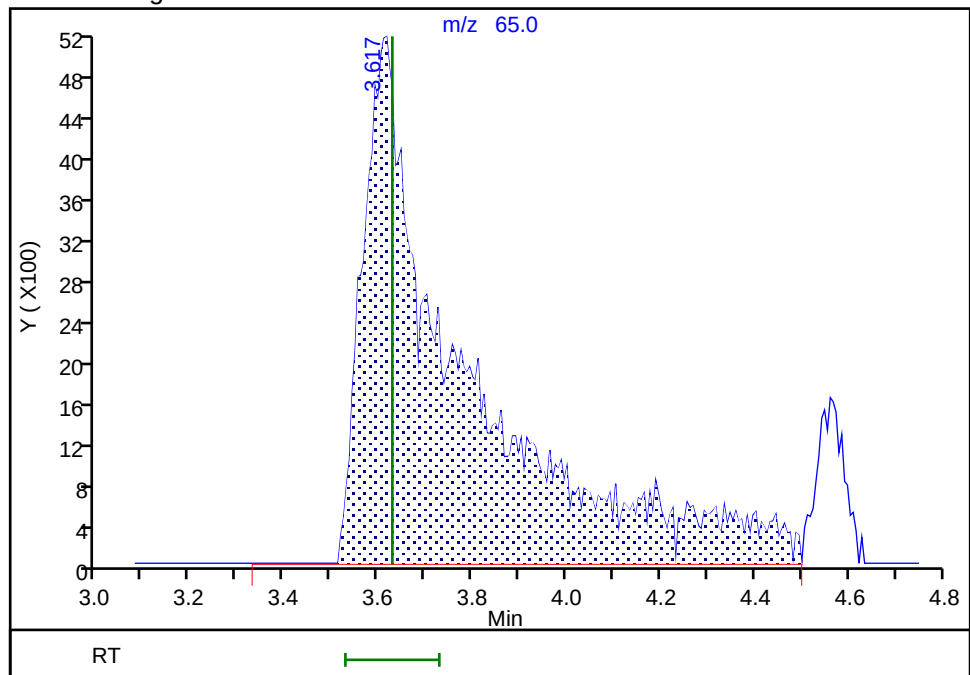
RT: 3.62
Area: 74378
Amount: 49.998300
Amount Units: ug/l

Processing Integration Results



RT: 3.62
Area: 75156
Amount: 49.998300
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-Dec-2024 08:32:27 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

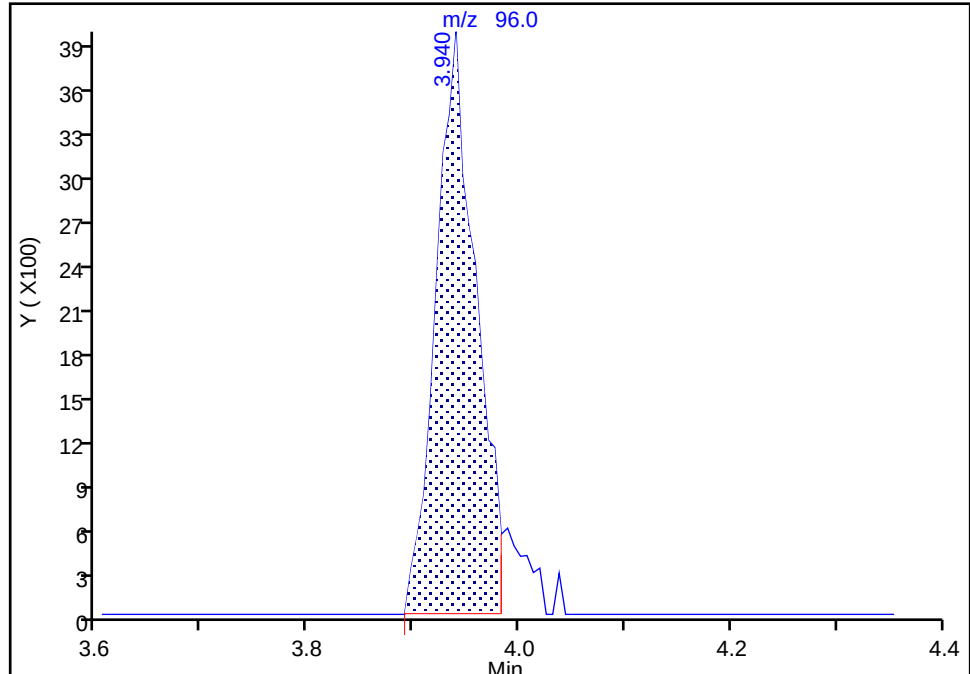
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Injection Date: 03-Dec-2024 16:05:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

34 trans-1,2-Dichloroethene, CAS: 156-60-5

Signal: 1

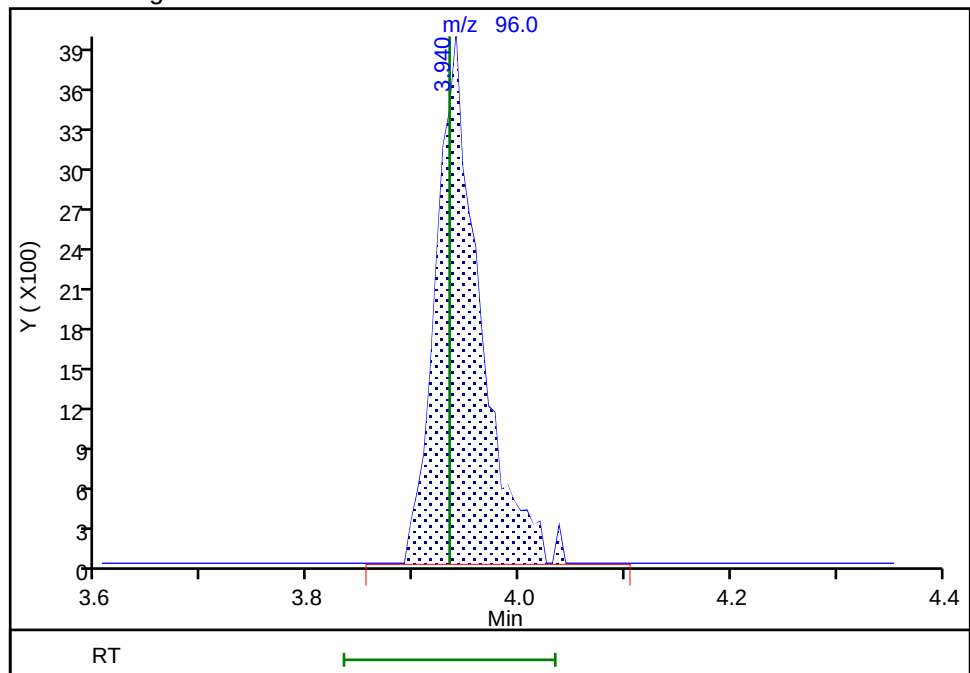
RT: 3.94
Area: 10348
Amount: 0.196298
Amount Units: ug/l

Processing Integration Results



RT: 3.94
Area: 11338
Amount: 0.210632
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-Dec-2024 08:32:34 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

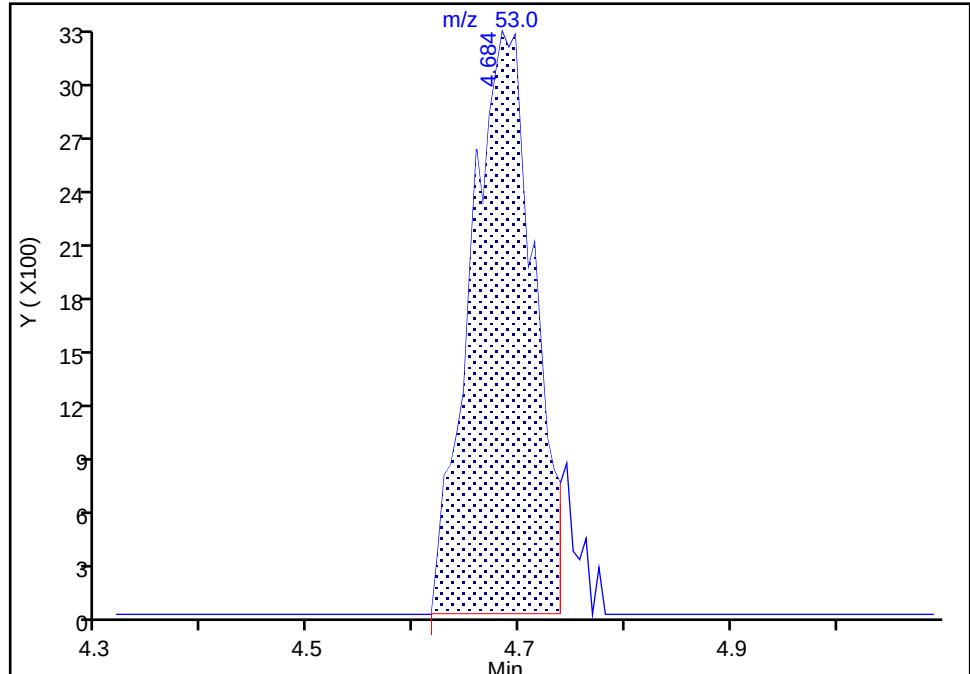
Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X12.D
Injection Date: 03-Dec-2024 16:05:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

39 2-Chloro-1,3-butadiene, CAS: 126-99-8

Signal: 1

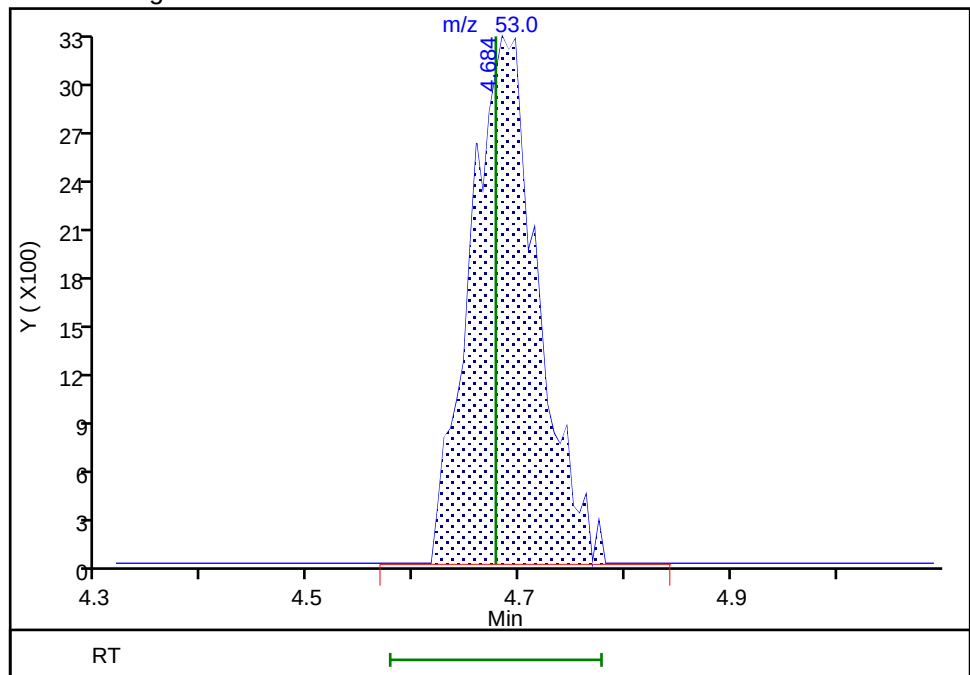
RT: 4.68
Area: 13457
Amount: 0.181601
Amount Units: ug/l

Processing Integration Results



RT: 4.68
Area: 14251
Amount: 0.190856
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 08-Dec-2024 11:07:34 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

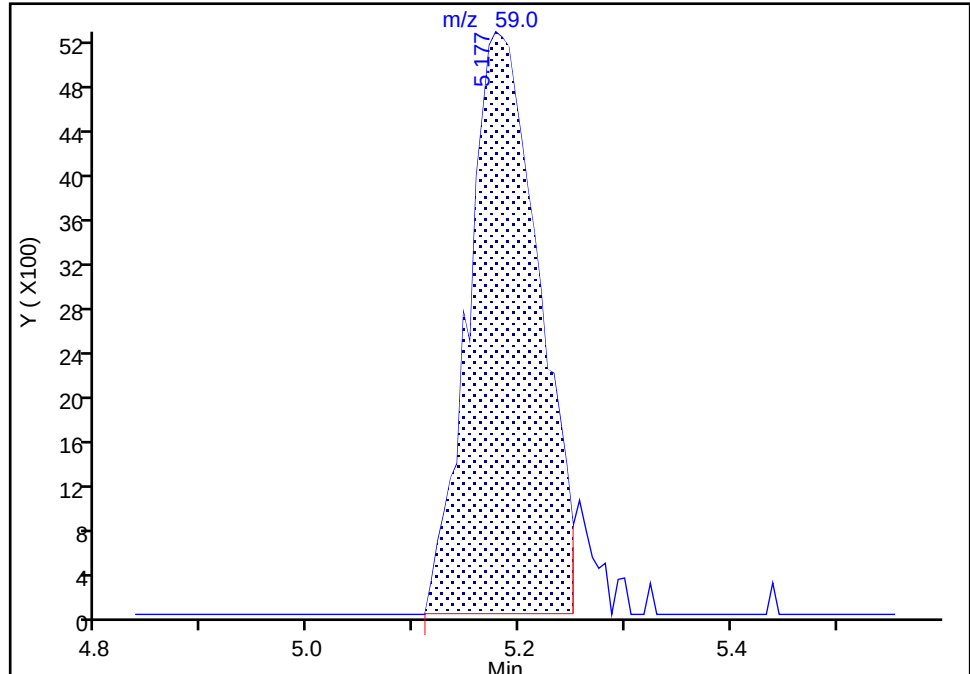
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Injection Date: 03-Dec-2024 16:05:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

40 Tert-butyl ethyl ether, CAS: 637-92-3

Signal: 1

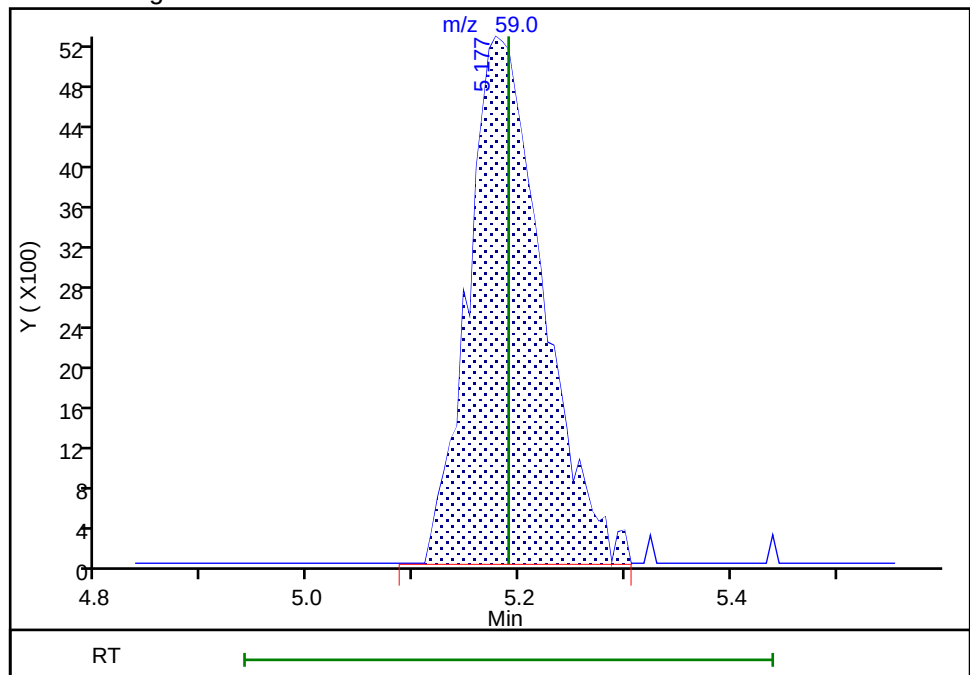
RT: 5.18
Area: 24239
Amount: 0.180785
Amount Units: ug/l

Processing Integration Results



RT: 5.18
Area: 25638
Amount: 0.189804
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 08-Dec-2024 11:07:38 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

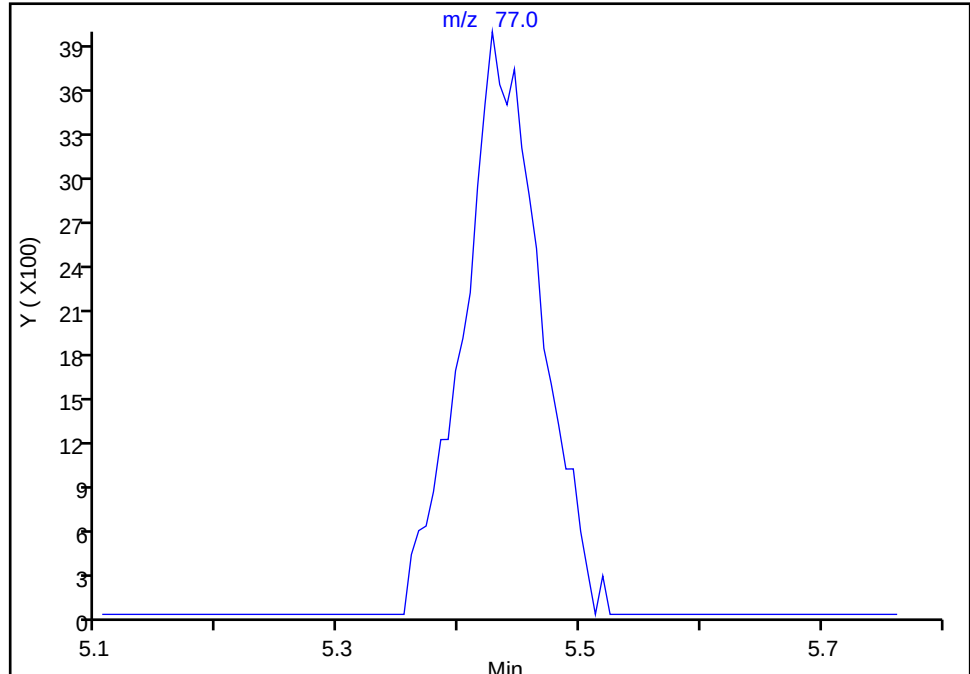
Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X12.D
Injection Date: 03-Dec-2024 16:05:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

43 2,2-Dichloropropane, CAS: 594-20-7

Signal: 1

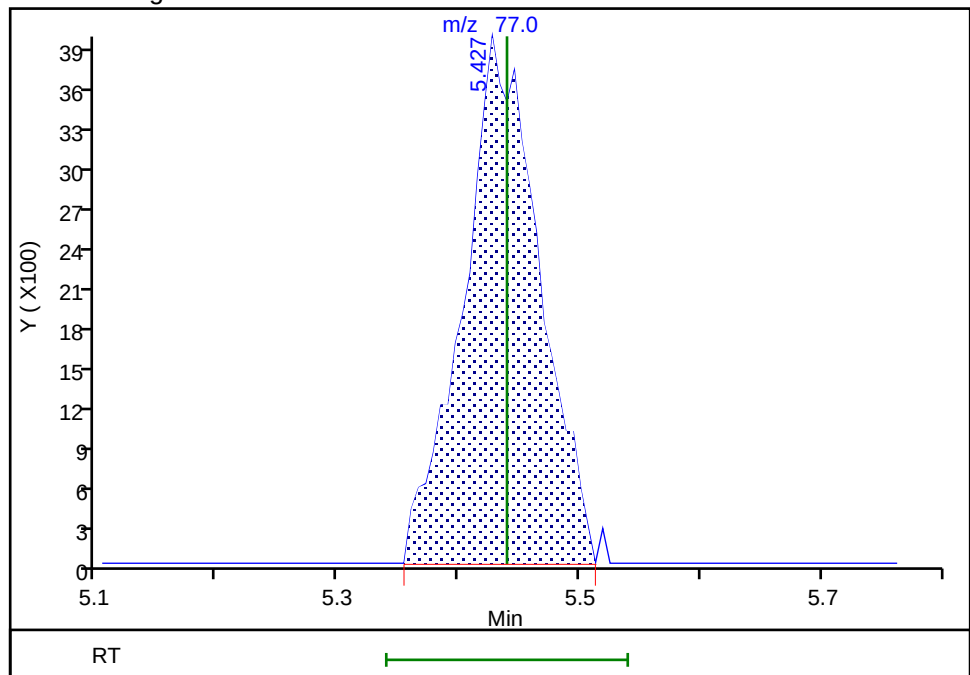
Not Detected
Expected RT: 5.44

Processing Integration Results



RT: 5.43
Area: 17224
Amount: 0.207407
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-Dec-2024 08:12:05 -05:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

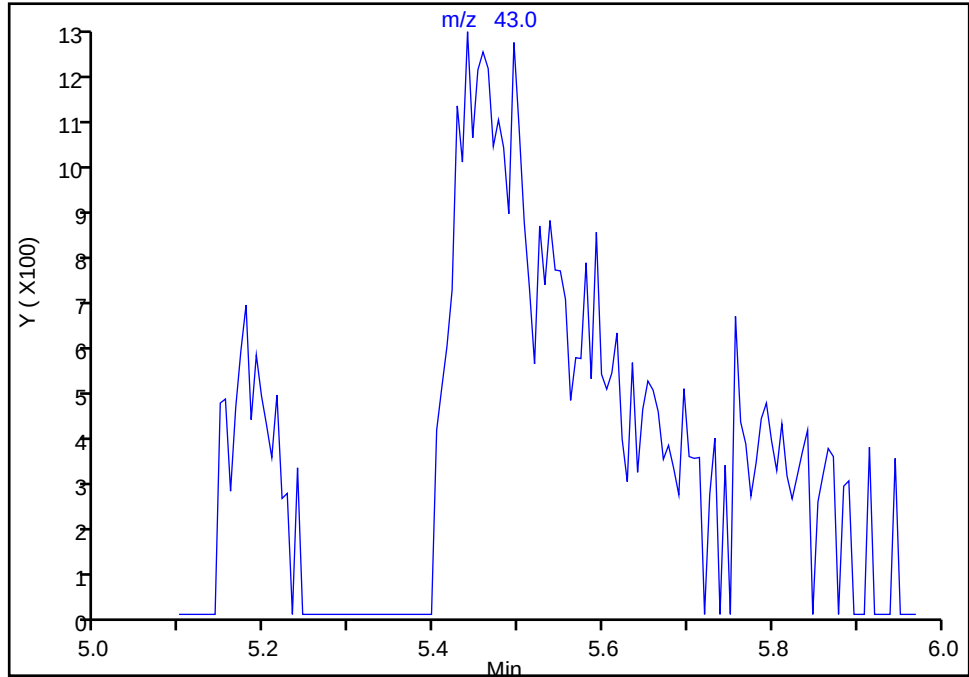
Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X12.D
Injection Date: 03-Dec-2024 16:05:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) MS Quad

41 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

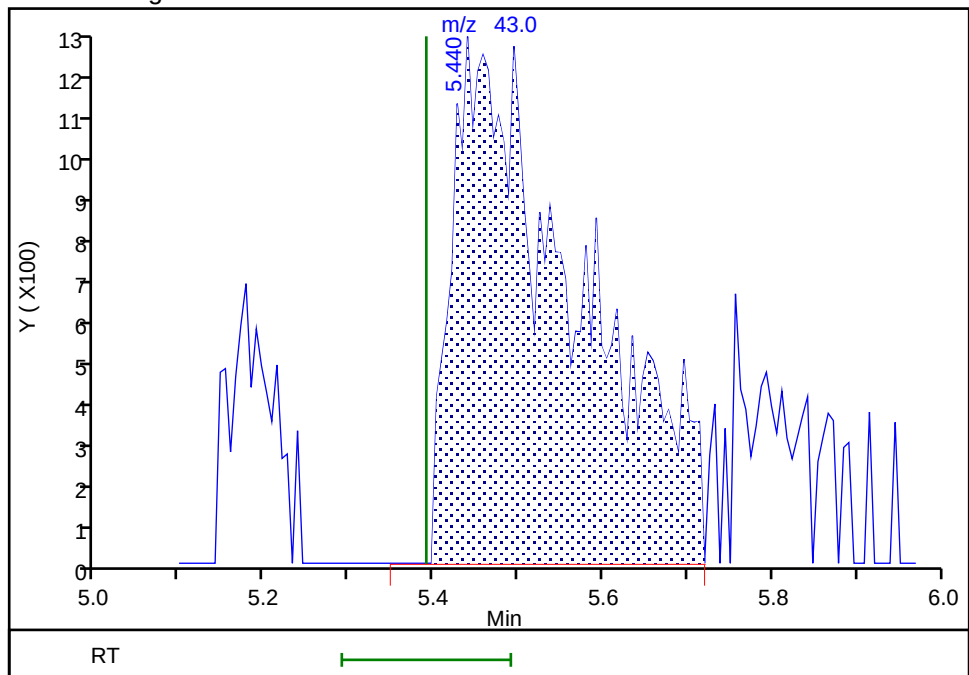
Not Detected
Expected RT: 5.39

Processing Integration Results



Manual Integration Results

RT: 5.44
Area: 13169
Amount: 1.782039
Amount Units: ug/l



Reviewer: UCB5, 08-Dec-2024 11:07:45 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

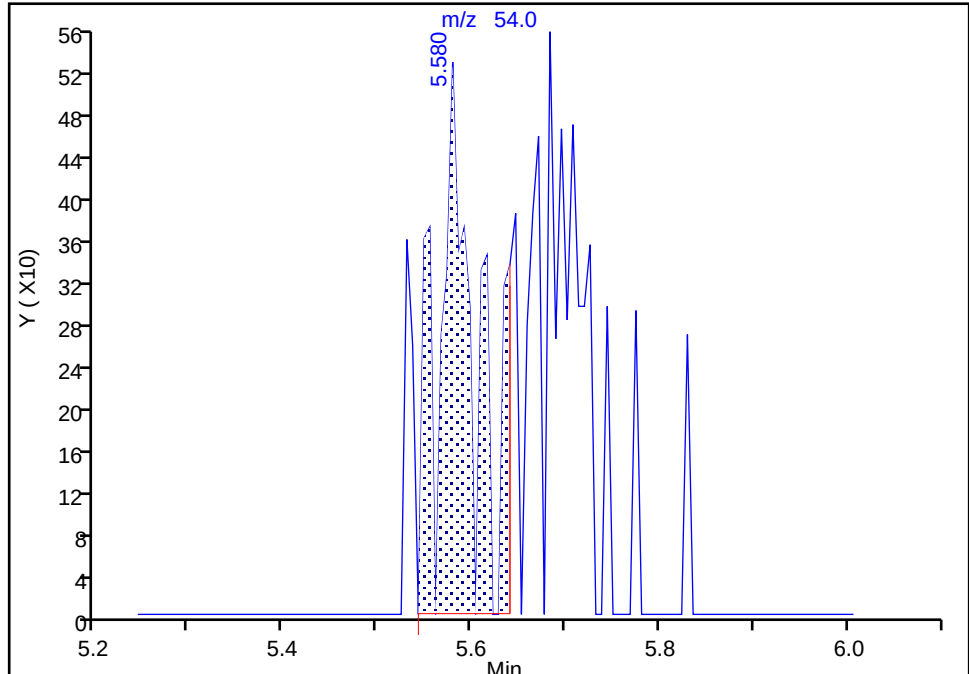
Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X12.D
Injection Date: 03-Dec-2024 16:05:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

45 Propionitrile, CAS: 107-12-0

Signal: 1

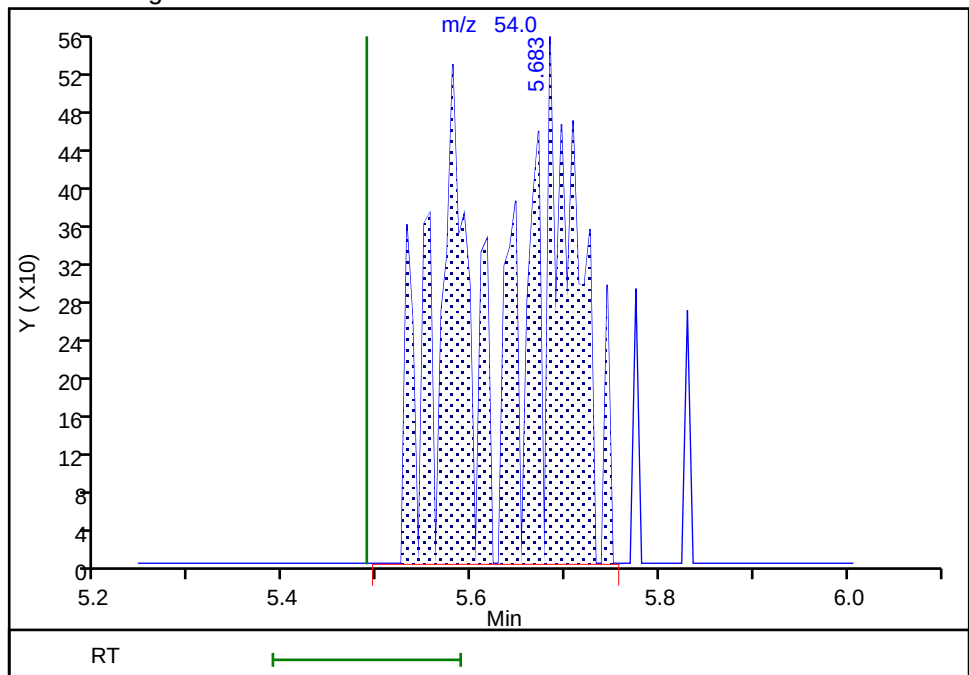
RT: 5.58
Area: 1532
Amount: 4.930111
Amount Units: ug/l

Processing Integration Results



RT: 5.68
Area: 3506
Amount: 5.851081
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-Dec-2024 08:32:48 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

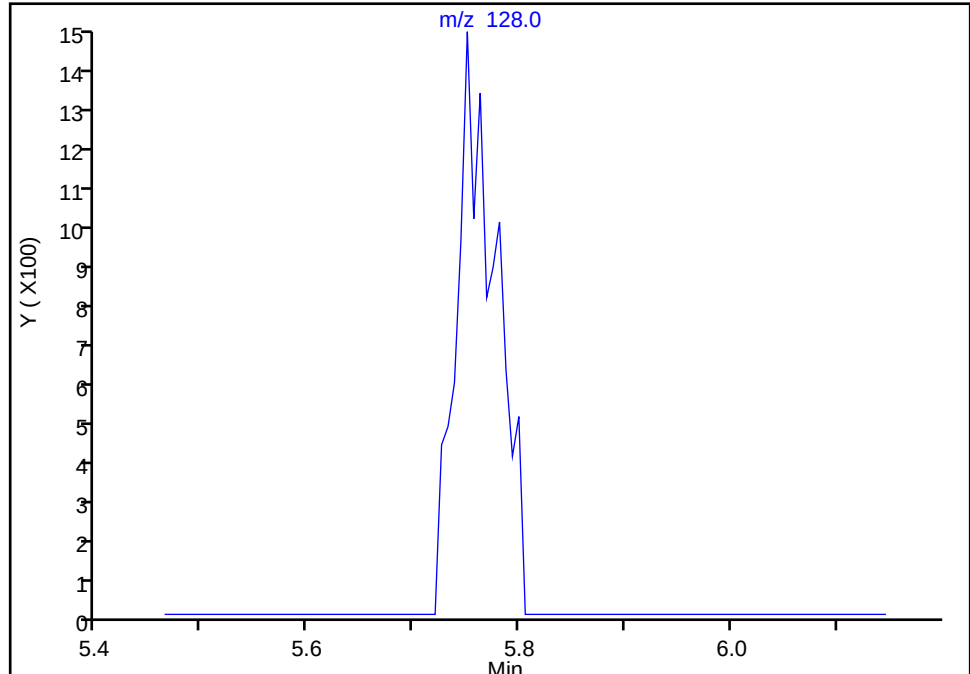
Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X12.D
Injection Date: 03-Dec-2024 16:05:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

49 Chlorobromomethane, CAS: 74-97-5

Signal: 1

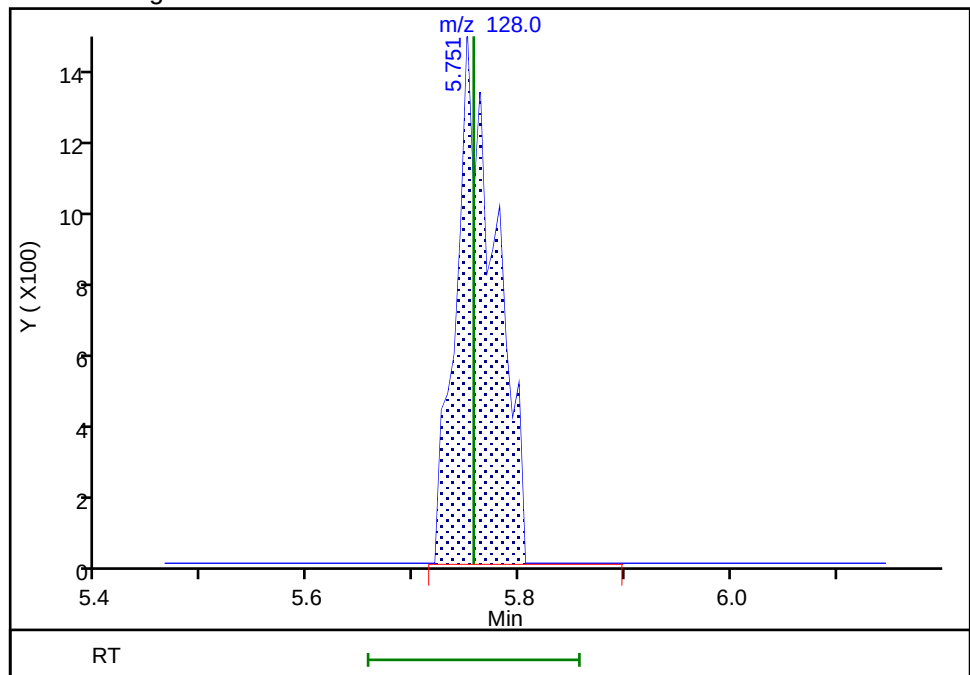
Not Detected
Expected RT: 5.76

Processing Integration Results



RT: 5.75
Area: 3786
Amount: 0.171344
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-Dec-2024 08:32:52 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

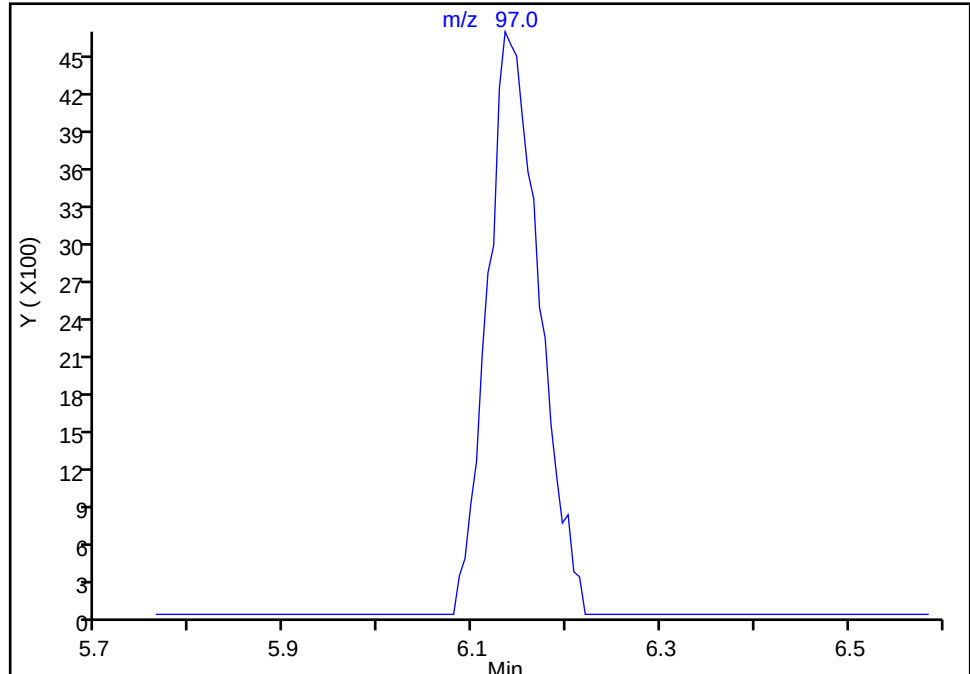
Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X12.D
Injection Date: 03-Dec-2024 16:05:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

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

Signal: 1

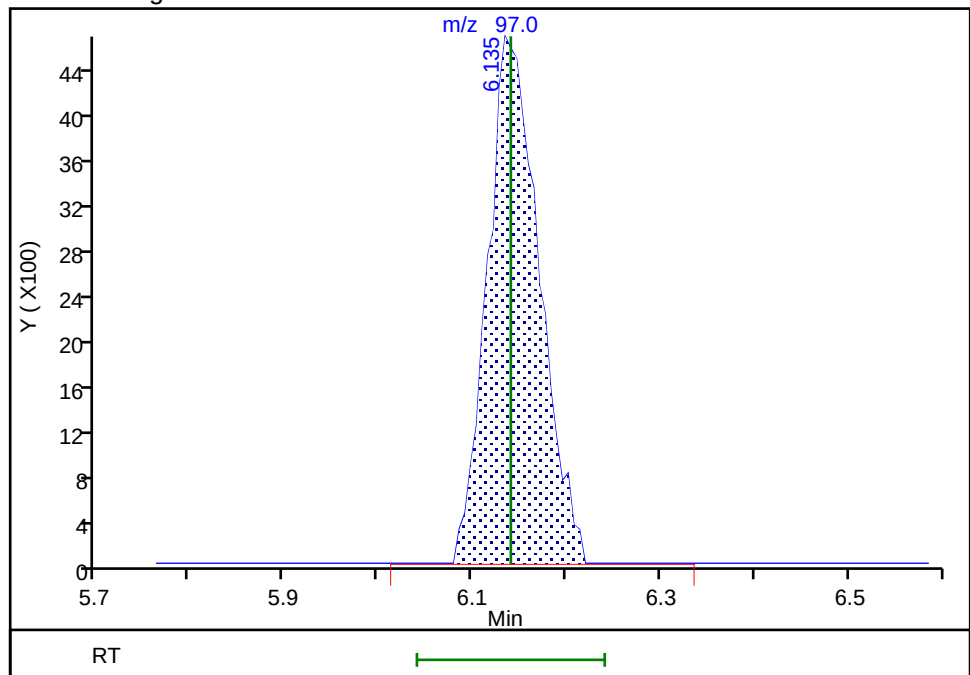
Not Detected
Expected RT: 6.14

Processing Integration Results



RT: 6.13
Area: 17857
Amount: 0.210770
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-Dec-2024 08:33:02 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

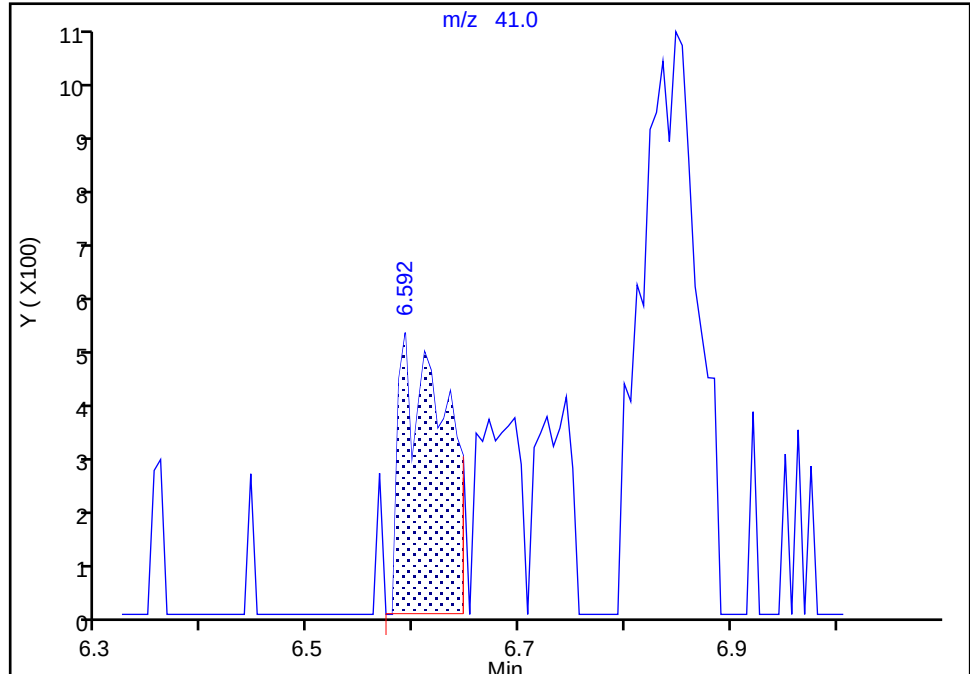
Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X12.D
Injection Date: 03-Dec-2024 16:05:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

58 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

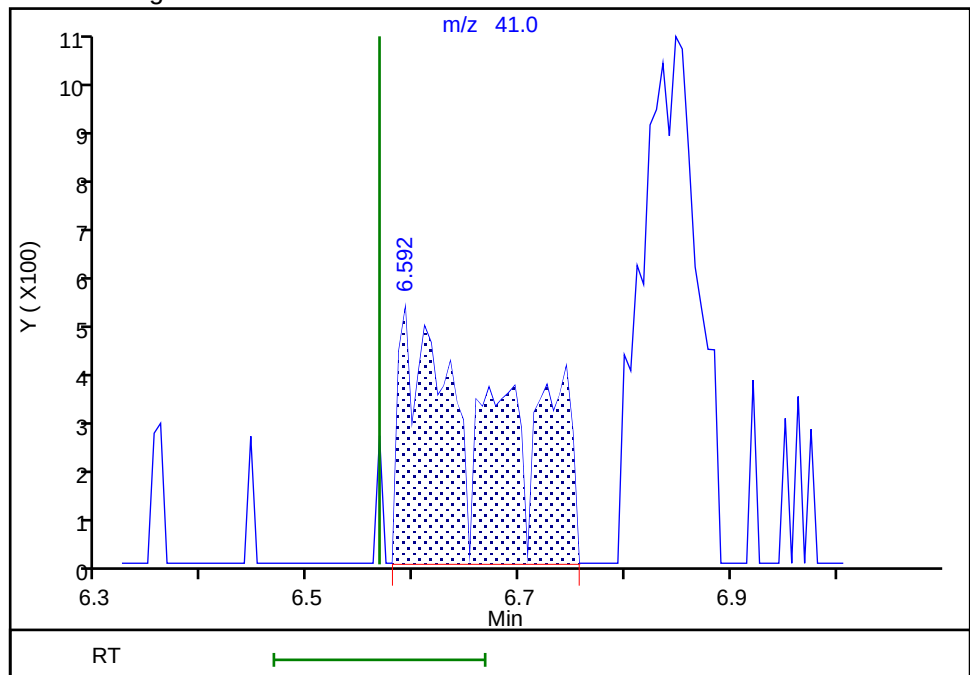
RT: 6.59
Area: 1547
Amount: 5.338186
Amount Units: ug/l

Processing Integration Results



RT: 6.59
Area: 3347
Amount: 9.073116
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-Dec-2024 08:33:13 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

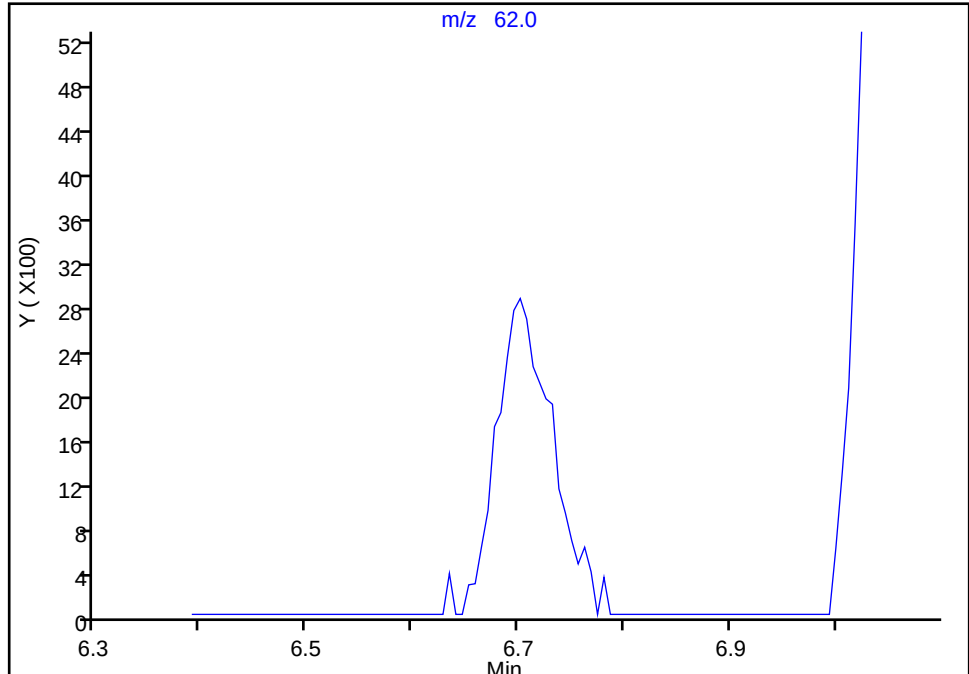
Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X12.D
Injection Date: 03-Dec-2024 16:05:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

61 1,2-Dichloroethane, CAS: 107-06-2

Signal: 1

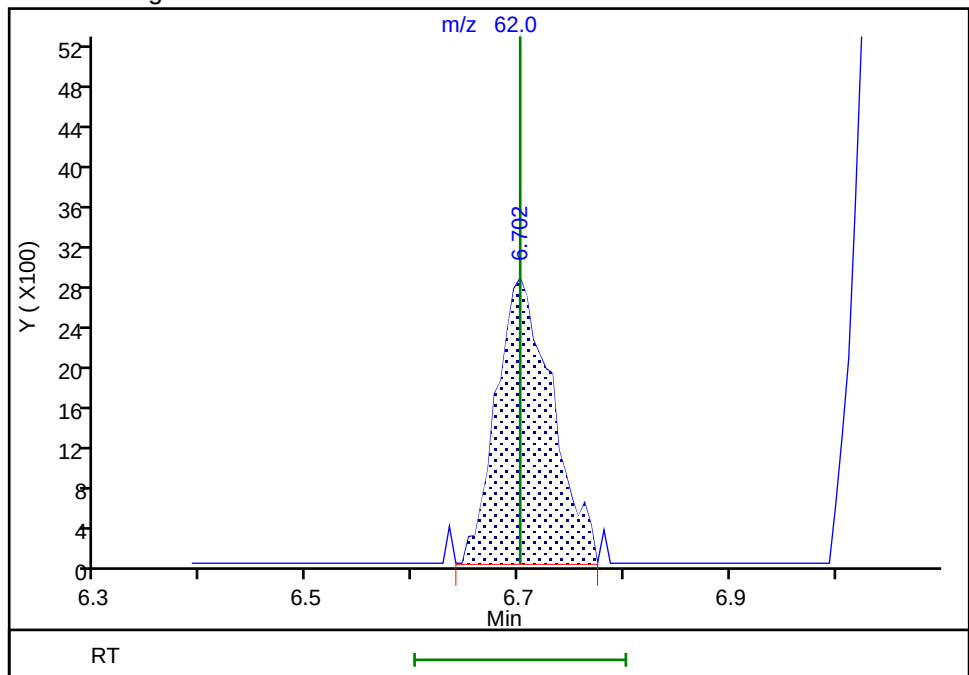
Not Detected
Expected RT: 6.70

Processing Integration Results



RT: 6.70
Area: 10485
Amount: 0.202871
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-Dec-2024 08:33:28 -05:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

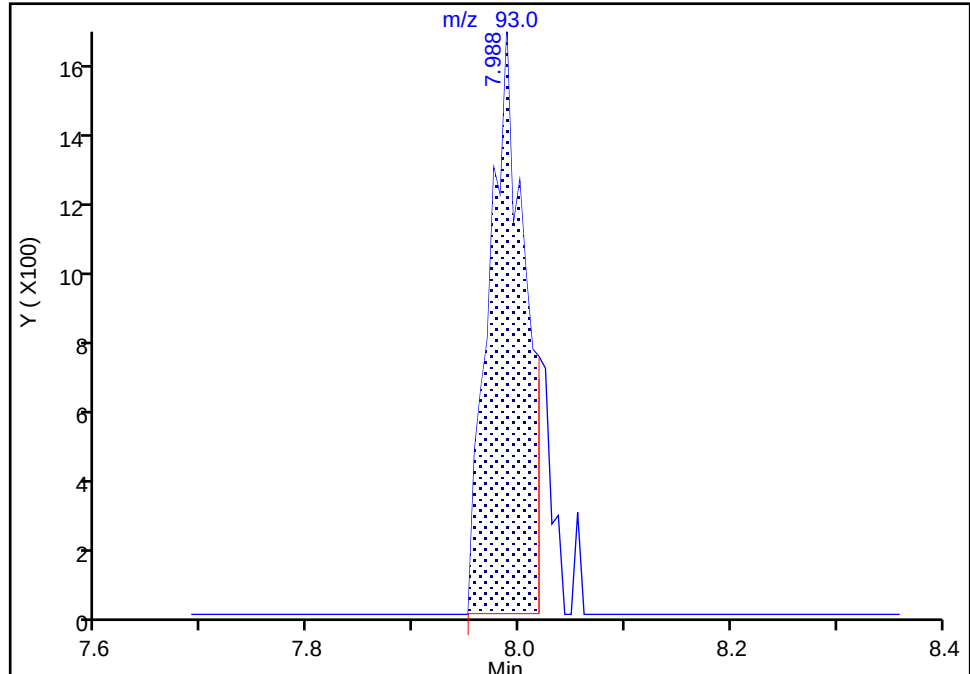
Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X12.D
Injection Date: 03-Dec-2024 16:05:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

74 Dibromomethane, CAS: 74-95-3

Signal: 1

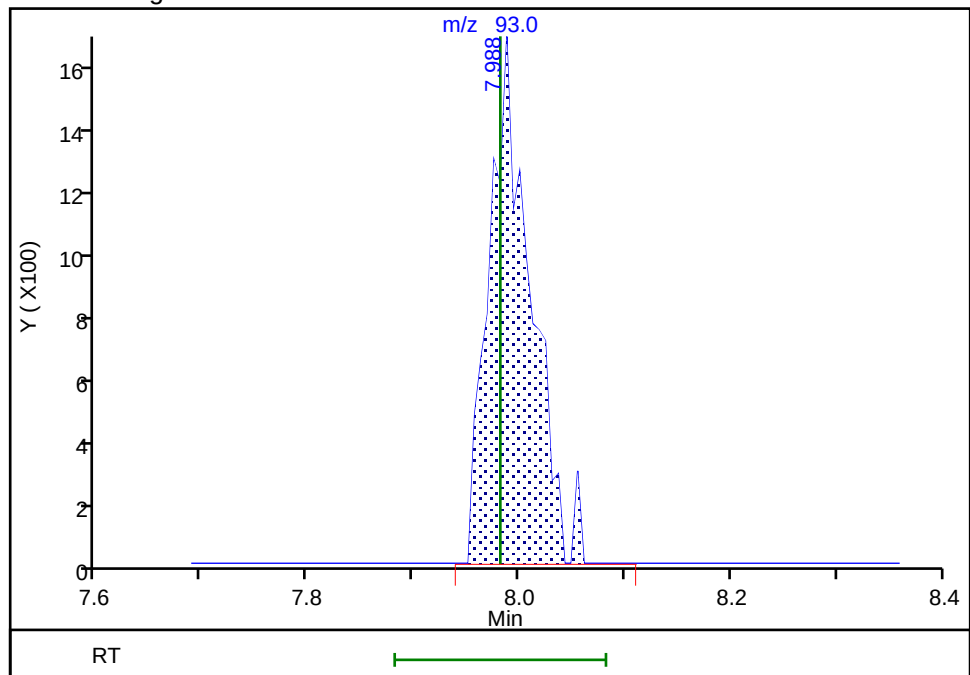
RT: 7.99
Area: 3885
Amount: 0.176599
Amount Units: ug/l

Processing Integration Results



RT: 7.99
Area: 4436
Amount: 0.198102
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-Dec-2024 08:33:35 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

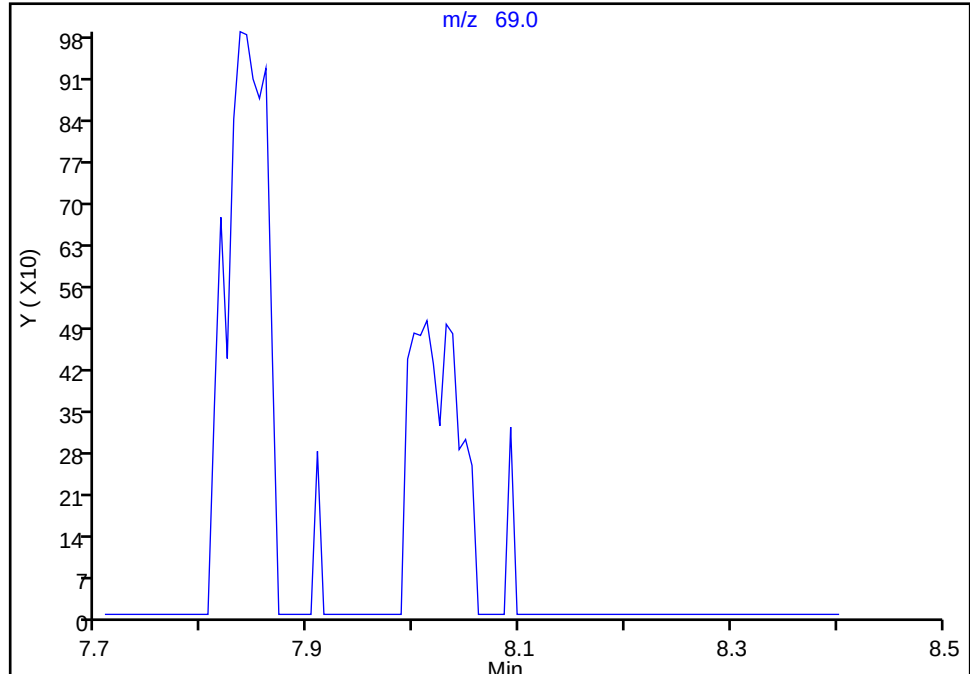
Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X12.D
Injection Date: 03-Dec-2024 16:05:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

72 Methyl methacrylate, CAS: 80-62-6

Signal: 1

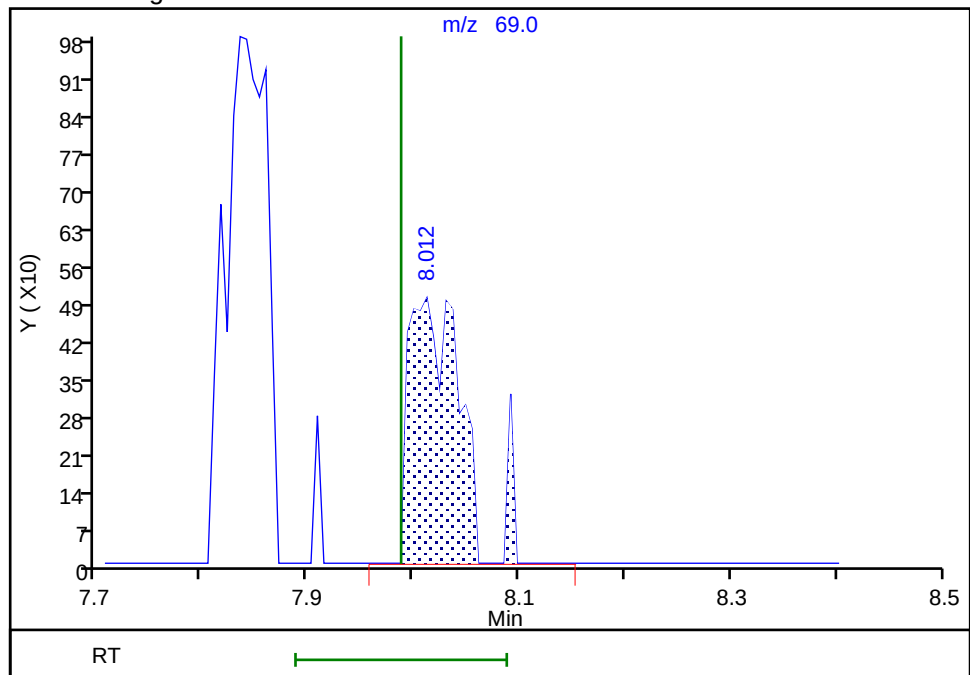
Not Detected
Expected RT: 7.99

Processing Integration Results



RT: 8.01
Area: 1730
Amount: 0.114270
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-Dec-2024 08:33:38 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

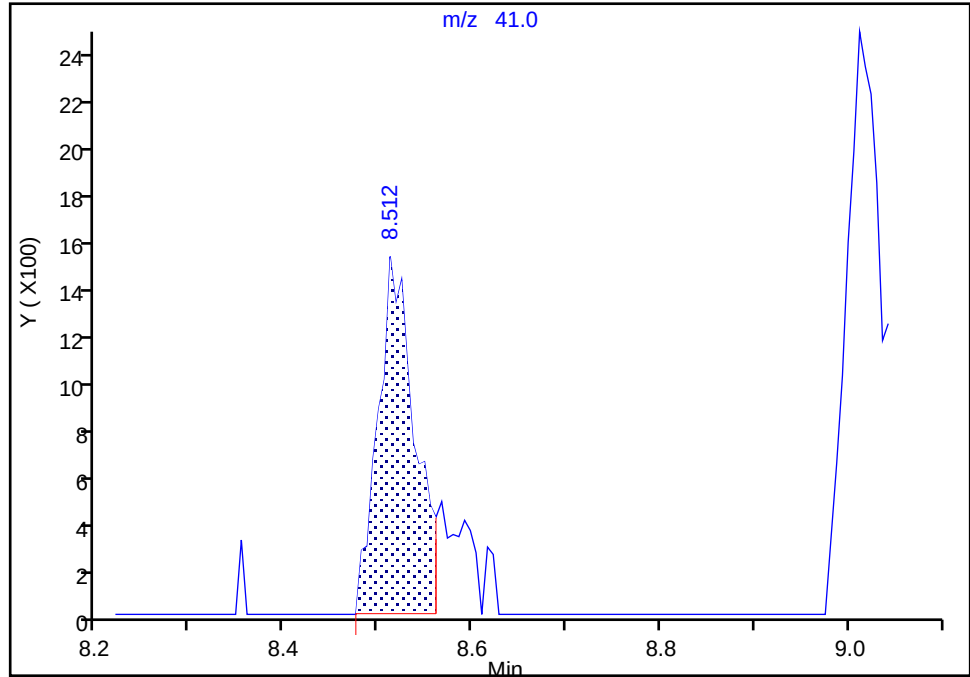
Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X12.D
Injection Date: 03-Dec-2024 16:05:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

77 2-Nitropropane, CAS: 79-46-9

Signal: 1

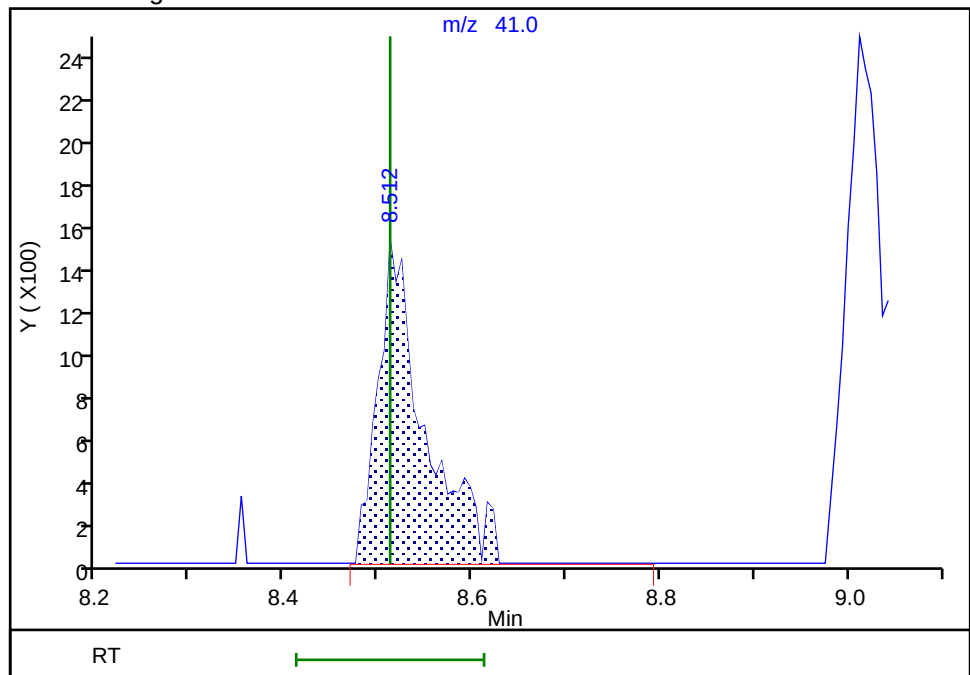
RT: 8.51
Area: 4110
Amount: 0.921454
Amount Units: ug/l

Processing Integration Results



RT: 8.51
Area: 5212
Amount: 1.128683
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-Dec-2024 08:33:42 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

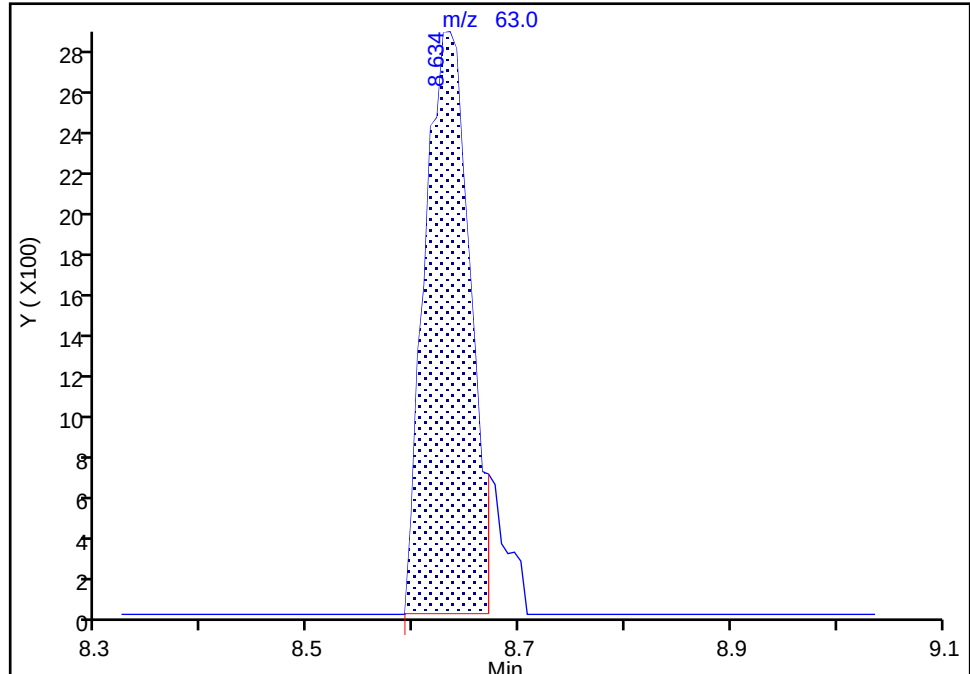
Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X12.D
Injection Date: 03-Dec-2024 16:05:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

79 1-Bromo-2-chloroethane, CAS: 107-04-0

Signal: 1

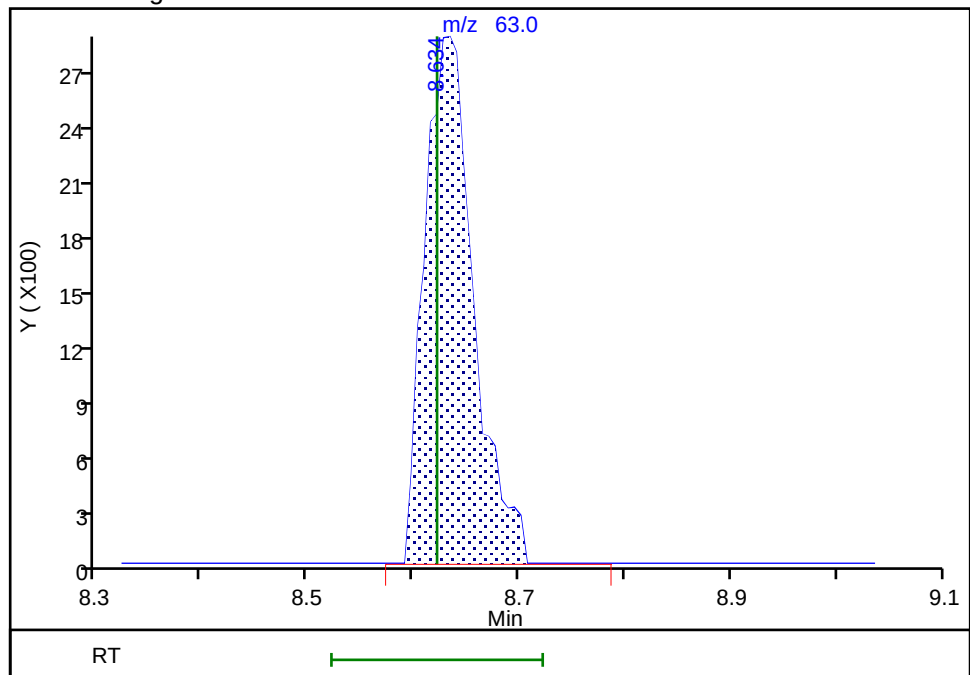
RT: 8.63
Area: 8345
Amount: 0.179647
Amount Units: ug/l

Processing Integration Results



RT: 8.63
Area: 9008
Amount: 0.191962
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-Dec-2024 08:33:44 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

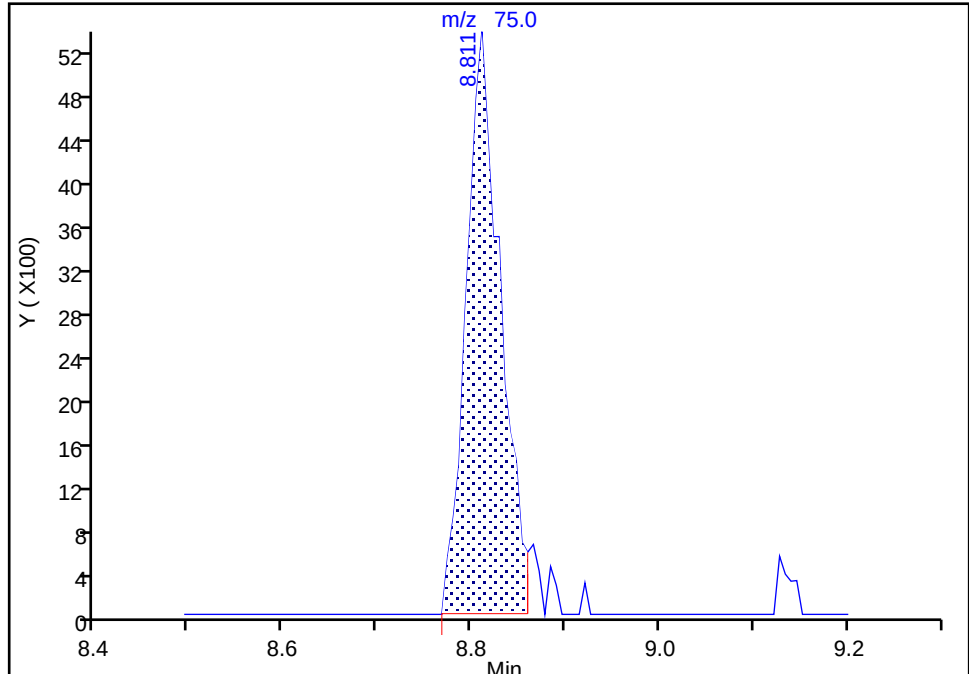
Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X12.D
Injection Date: 03-Dec-2024 16:05:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm i.d.) Detector: MS Quad

81 cis-1,3-Dichloropropene, CAS: 10061-01-5

Signal: 1

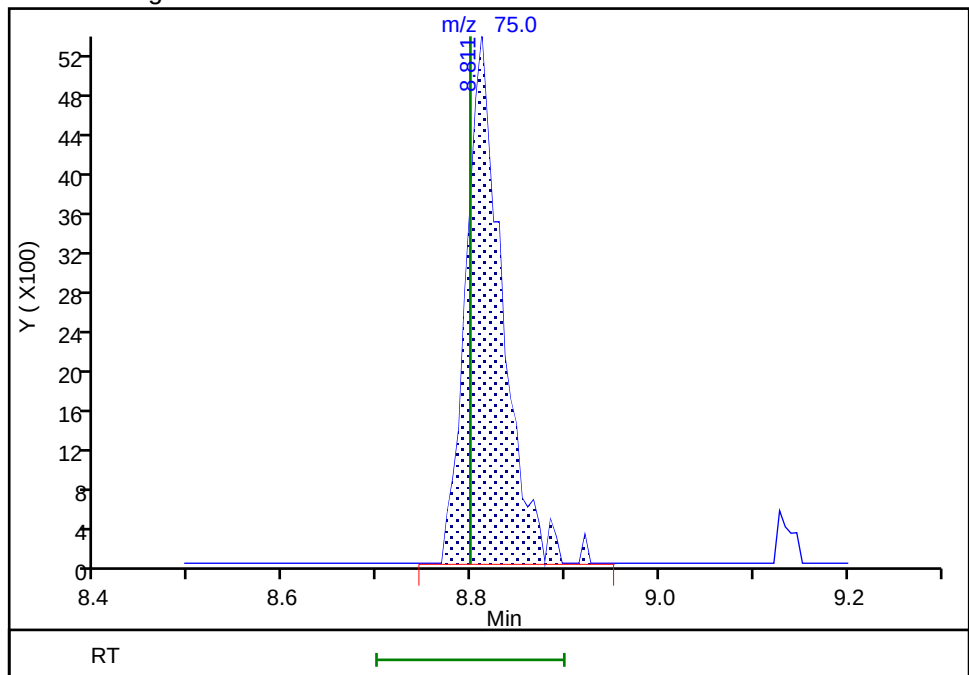
RT: 8.81
Area: 13491
Amount: 0.177092
Amount Units: ug/l

Processing Integration Results



RT: 8.81
Area: 14235
Amount: 0.185564
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-Dec-2024 08:33:47 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

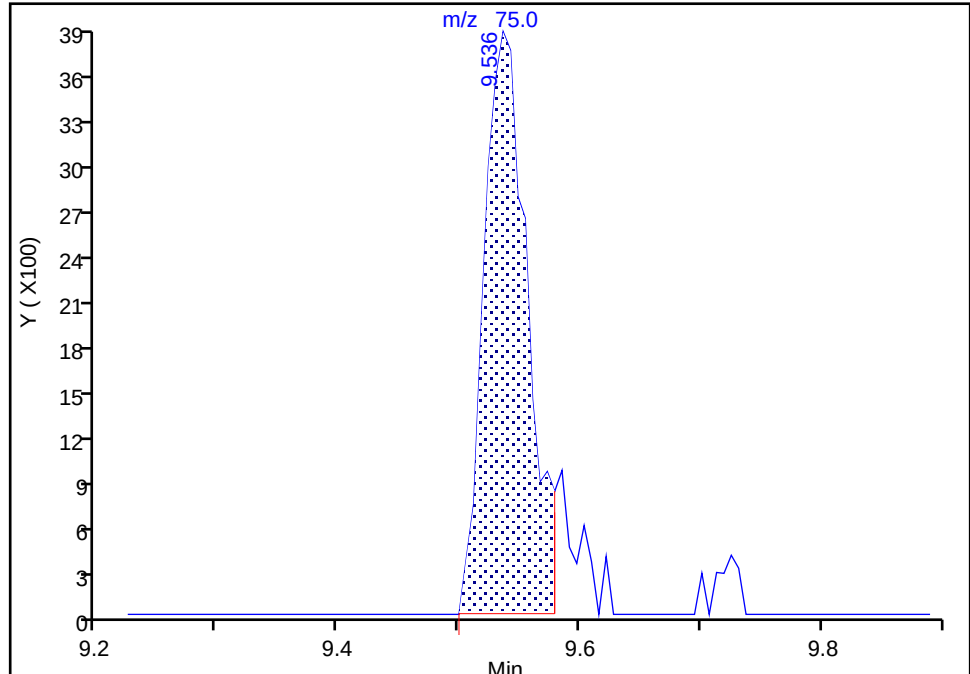
Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X12.D
Injection Date: 03-Dec-2024 16:05:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

85 trans-1,3-Dichloropropene, CAS: 10061-02-6

Signal: 1

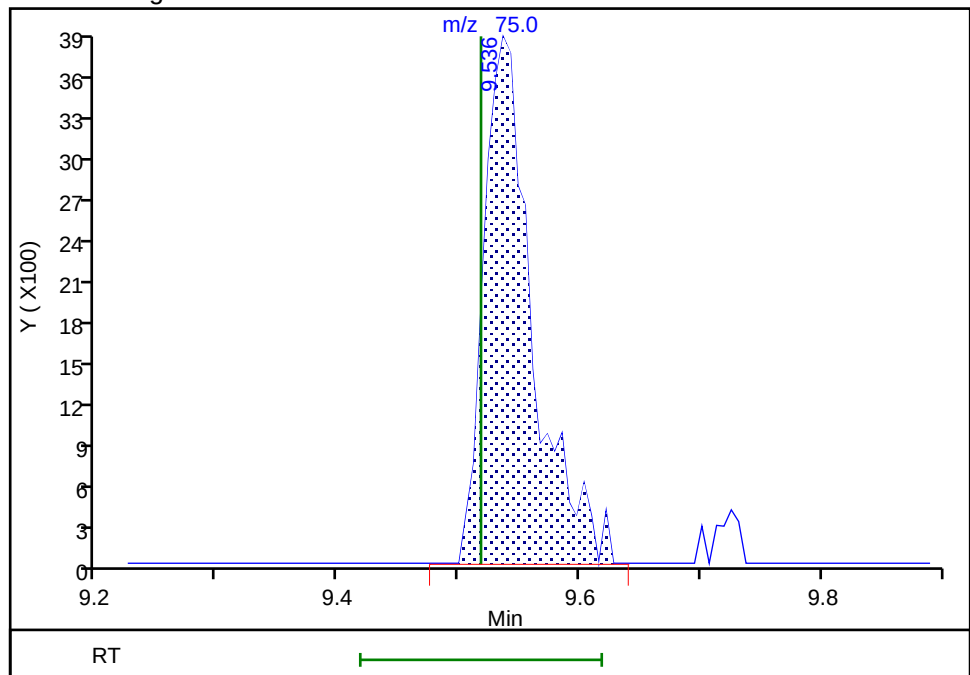
RT: 9.54
Area: 9729
Amount: 0.166815
Amount Units: ug/l

Processing Integration Results



RT: 9.54
Area: 10848
Amount: 0.183487
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 08-Dec-2024 11:08:33 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

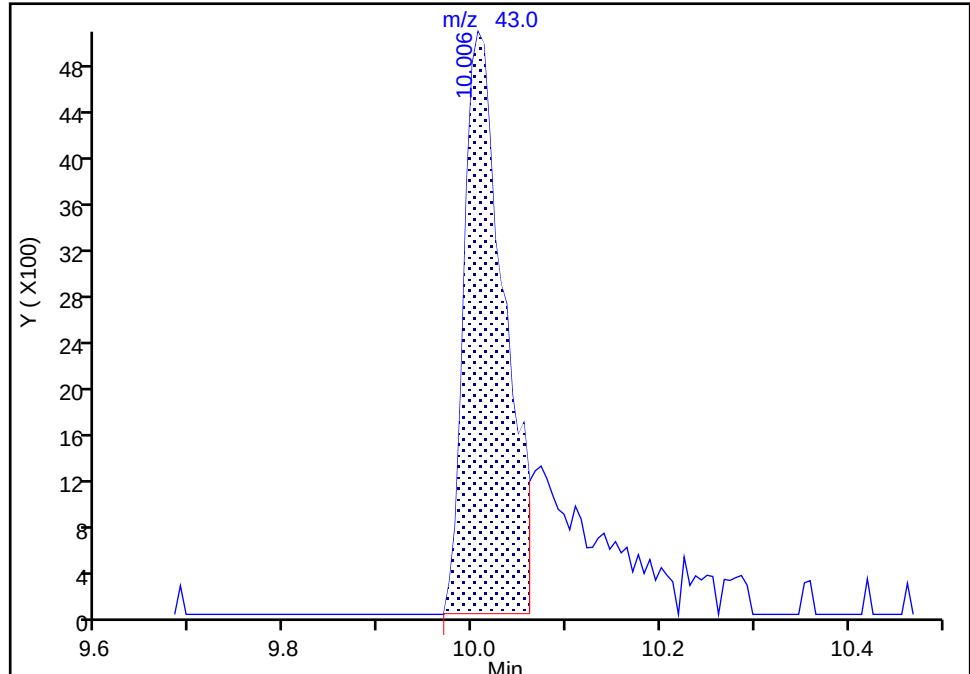
Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X12.D
Injection Date: 03-Dec-2024 16:05:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

110 2-Hexanone, CAS: 591-78-6

Signal: 1

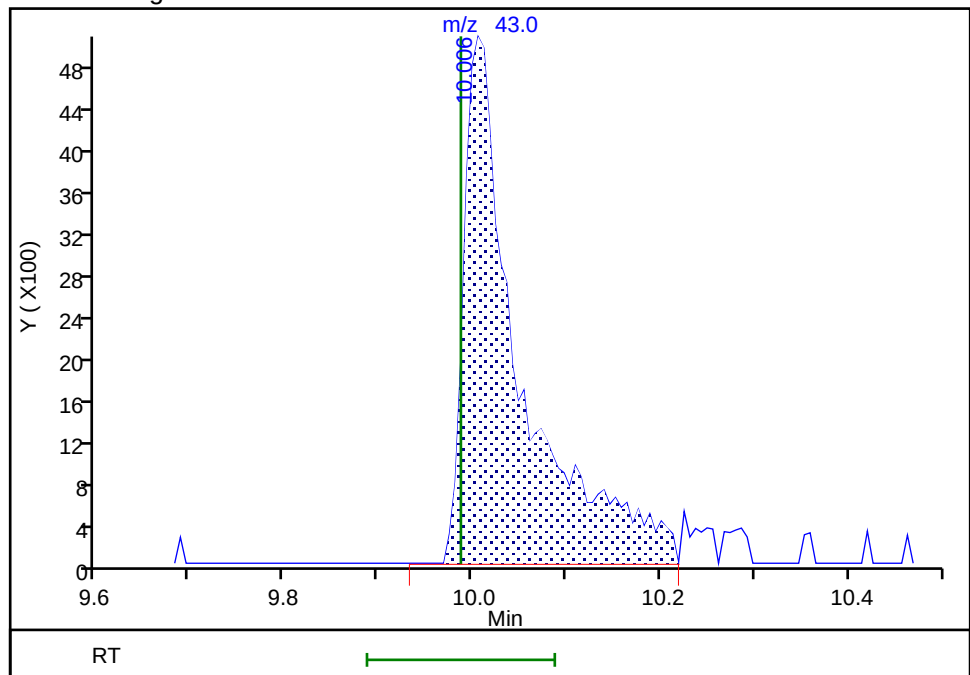
RT: 10.01
Area: 14958
Amount: 1.993668
Amount Units: ug/l

Processing Integration Results



RT: 10.01
Area: 21158
Amount: 1.593777
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-Dec-2024 08:33:58 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

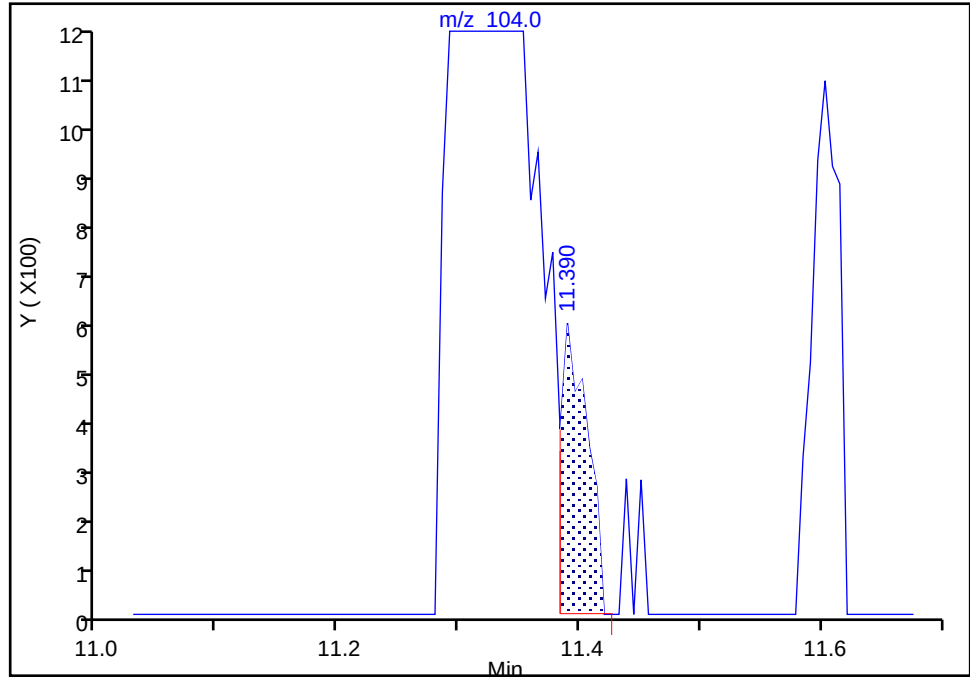
Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X12.D
Injection Date: 03-Dec-2024 16:05:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

122 Styrene, CAS: 100-42-5

Signal: 1

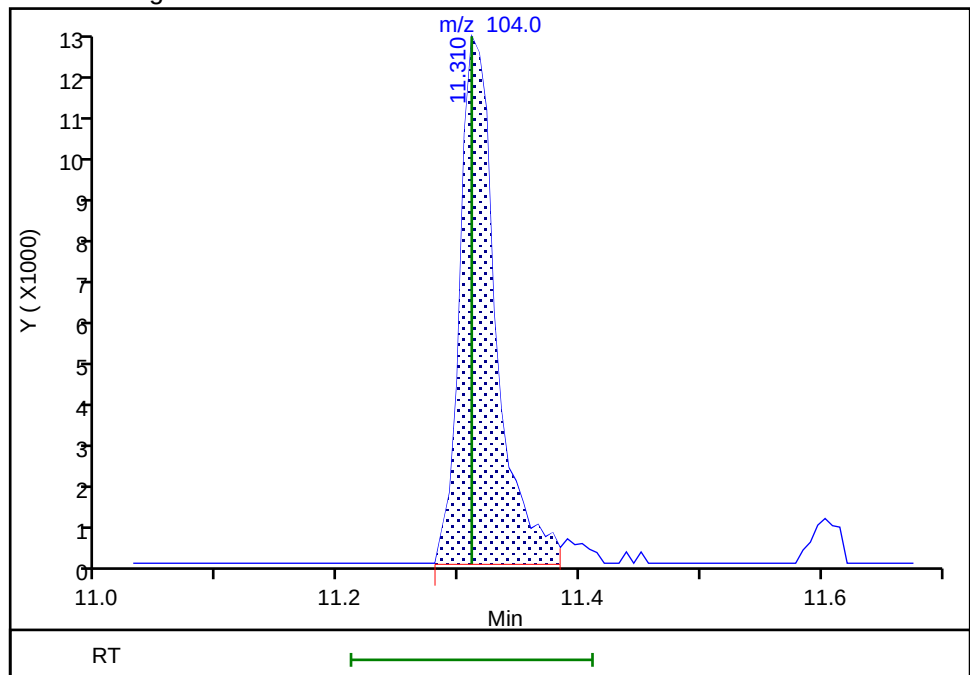
RT: 11.39
Area: 888
Amount: 0.230153
Amount Units: ug/l

Processing Integration Results



RT: 11.31
Area: 25866
Amount: 0.167989
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-Dec-2024 08:34:09 -05:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

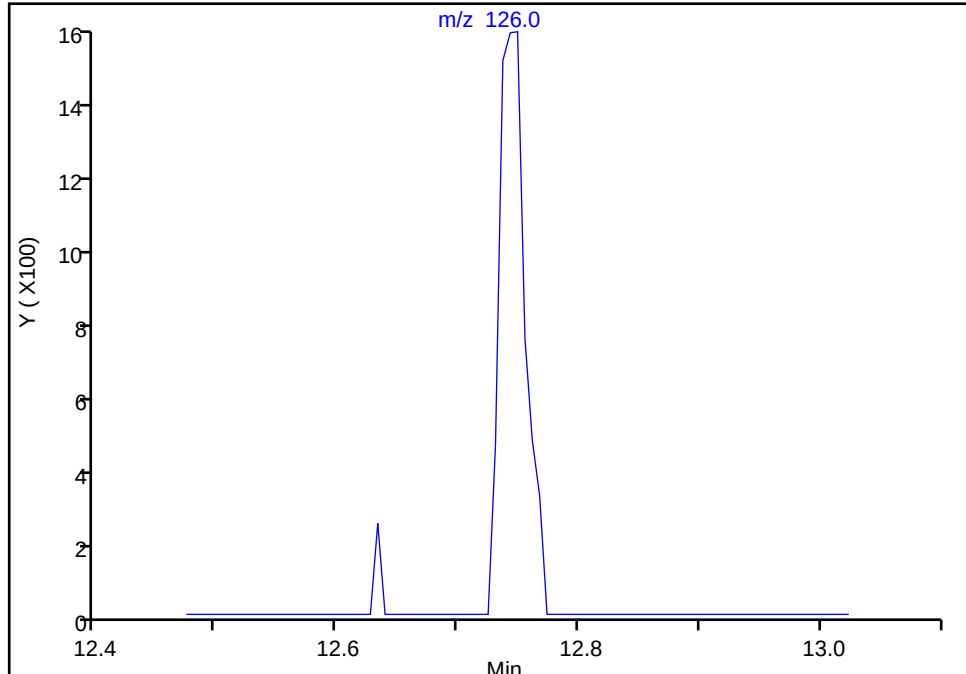
Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X12.D
Injection Date: 03-Dec-2024 16:05:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) MS Quad

145 Benzyl chloride, CAS: 100-44-7

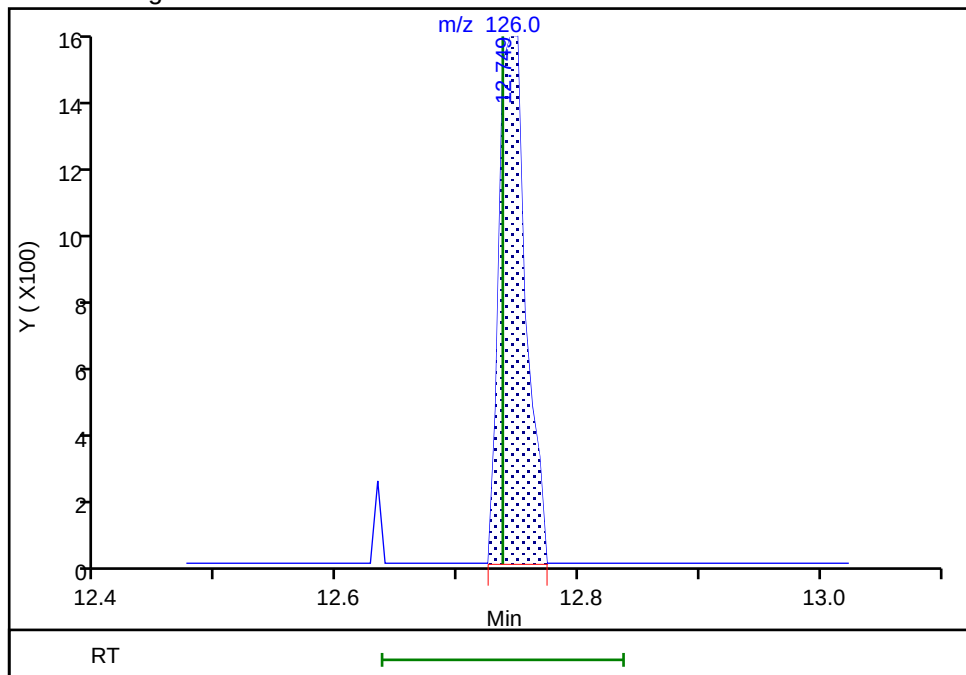
Signal: 1

Not Detected
Expected RT: 12.74

Processing Integration Results



Manual Integration Results



RT: 12.75
Area: 2467
Amount: 0.166781
Amount Units: ug/l

Reviewer: DVW2, 04-Dec-2024 08:11:59 -05:00:00 (UTC)

Audit Action: Assigned Compound ID

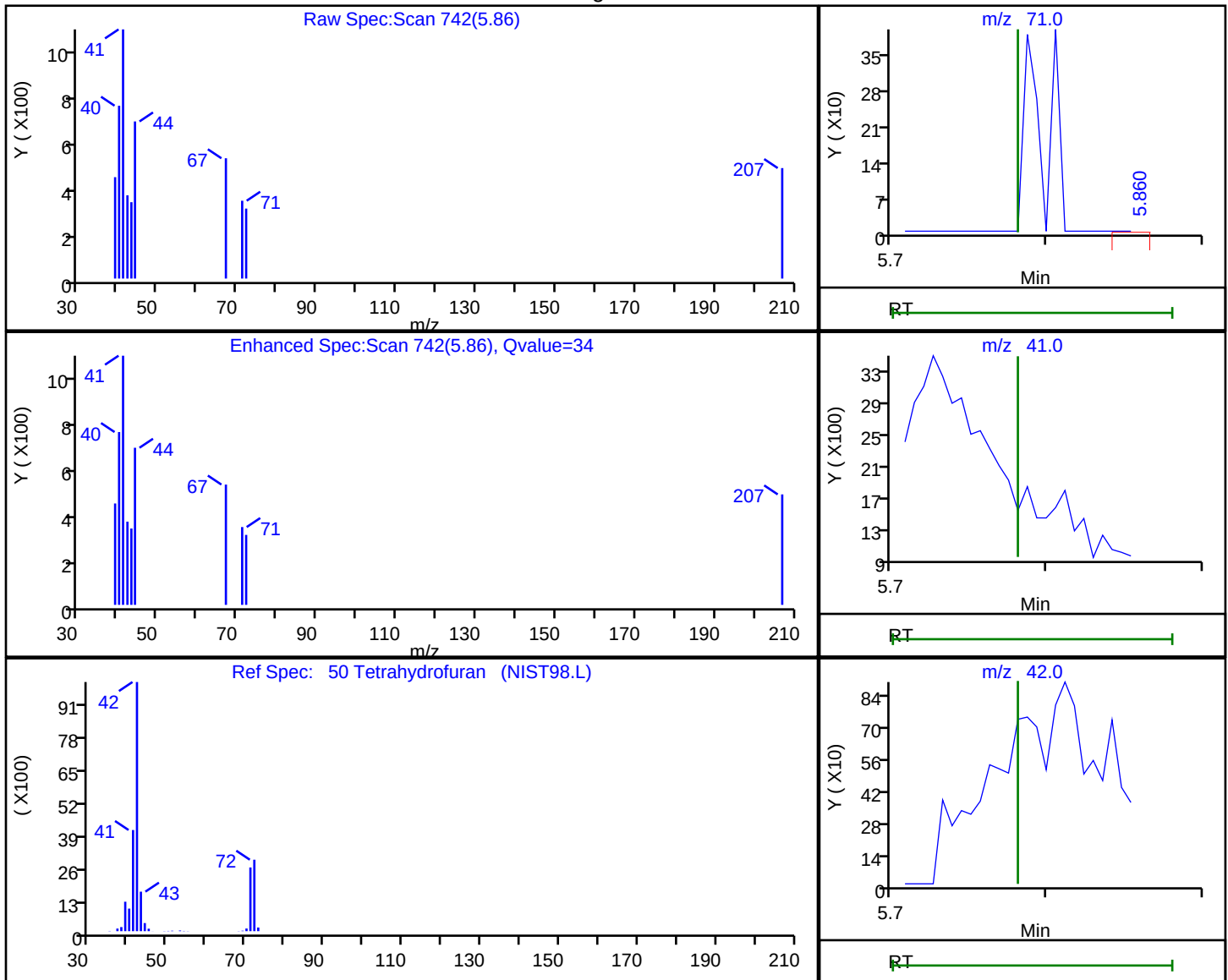
Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X12.D
Injection Date: 03-Dec-2024 16:05:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 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

50 Tetrahydrofuran, CAS: 109-99-9

Processing Results



RT	Mass	Response	Amount
5.86	71.00	116	0.880600
5.77	41.00	0	
5.77	42.00	0	
5.87	72.00	298	

Reviewer: DVW2, 04-Dec-2024 08:32:57 -05:00:00 (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\20241203-132221.b\GD03X13.D
 Lims ID: IC std2
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 03-Dec-2024 16:27:30 ALS Bottle#: 3 Worklist Smp#: 14
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0132221-014
 Misc. Info.: IC STD2
 Operator ID: knk41612 Instrument ID: 16334
 Sublist: chrom-MSV_16334_25mL*sub4
 Method: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\MSV_16334_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 09-Dec-2024 09:42:05 Calib Date: 03-Dec-2024 18:18:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1610

First Level Reviewer: UCB5

Date: 08-Dec-2024 11:14:17

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.697	1.709	-0.012	30	32431	0.5000	0.4856	
5 Chloromethane	50	1.873	1.879	-0.006	99	39055	0.5000	0.4875	
7 Butadiene	39	1.959	1.965	-0.006	93	34675	0.5000	0.4702	
6 Vinyl chloride	62	1.971	1.977	-0.006	98	36180	0.5000	0.4987	
9 Bromomethane	94	2.264	2.269	-0.005	92	23157	0.5000	0.4907	M
10 Chloroethane	64	2.300	2.306	-0.006	99	18917	0.5000	0.5162	
11 Dichlorofluoromethane	67	2.501	2.507	-0.006	97	49488	0.5000	0.4820	
12 Trichlorofluoromethane	101	2.593	2.599	-0.006	68	38812	0.5000	0.4829	
13 Ethyl ether	59	2.763	2.763	0.000	91	14741	0.5000	0.5007	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	2.824	2.843	-0.018	92	29901	0.5000	0.4934	
17 Acrolein	56	2.916	2.910	0.006	98	59455	24.4	18.8	M
18 1,1-Dichloroethene	96	3.026	3.025	0.001	98	22996	0.5000	0.4885	
19 Acetone	43	3.062	3.062	0.000	51	20595	5.00	4.59	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.056	3.068	-0.012	94	22226	0.5000	0.4486	
21 Isopropyl alcohol	45	3.190	3.178	0.012	26	3752	10.0	7.06	M
22 Iodomethane	142	3.184	3.190	-0.006	99	43316	0.5000	0.4756	
23 Ethyl bromide	108	3.215	3.214	0.001	98	19840	0.5008	0.4784	
24 Carbon disulfide	76	3.276	3.275	0.001	99	82977	0.5000	0.4808	
25 Methyl acetate	43	3.428	3.409	0.019	20	8602	0.5000	0.4544	M
27 3-Chloro-1-propene	41	3.416	3.422	-0.006	92	39472	0.5000	0.4825	
29 Methylene Chloride	84	3.574	3.580	-0.006	93	25172	0.5000	0.4835	
* 30 t-Butyl alcohol-d10 (IS)	65	3.599	3.629	-0.030	97	78234	50.0	50.0	M
31 2-Methyl-2-propanol	59	3.739	3.720	0.019	6	10010	10.0	10.9	M
32 Acrylonitrile	53	3.934	3.879	0.055	22	3038	1.25	0.4941	
33 Methyl tert-butyl ether	73	3.922	3.928	-0.006	93	48150	0.5000	0.4584	
34 trans-1,2-Dichloroethene	96	3.934	3.934	0.000	99	25653	0.5000	0.4638	M
35 Hexane	57	4.324	4.330	-0.006	91	30625	0.5000	0.4237	
37 1,1-Dichloroethane	63	4.562	4.562	0.000	96	47051	0.5000	0.4694	
38 Isopropyl ether	45	4.629	4.635	-0.006	93	71483	0.5000	0.4536	
39 2-Chloro-1,3-butadiene	53	4.678	4.678	0.000	92	33879	0.5000	0.4415	

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	5.178	5.190	-0.012	97	61634	0.5000	0.4440	
41 2-Butanone (MEK)	43	5.421	5.391	0.030	44	35756	5.00	4.65	M
42 cis-1,2-Dichloroethene	96	5.421	5.421	0.000	82	28366	0.5000	0.4687	
43 2,2-Dichloropropane	77	5.421	5.440	-0.019	80	40782	0.5000	0.4779	a
45 Propionitrile	54	5.550	5.488	0.062	31	14274	10.0	10.4	M
48 Methacrylonitrile	67	5.708	5.702	0.006	93	31893	5.00	3.84	
49 Chlorobromomethane	128	5.757	5.757	0.000	93	10093	0.5000	0.4445	
50 Tetrahydrofuran	71	5.793	5.781	0.012	47	3807	2.50	1.73	
51 Chloroform	83	5.915	5.921	-0.006	93	45184	0.5000	0.4595	
53 1,1,1-Trichloroethane	97	6.135	6.141	-0.006	39	40514	0.5000	0.4654	
\$ 52 Dibromofluoromethane (Surr)	113	6.141	6.141	0.000	93	487081	10.0	9.89	
S 47 1,2-Dichloroethene, Total	100				0			0.9325	
54 Cyclohexane	56	6.232	6.244	-0.012	91	39567	0.5000	0.4558	
55 Carbon tetrachloride	117	6.354	6.360	-0.006	89	33806	0.5000	0.4540	
56 1,1-Dichloropropene	75	6.360	6.366	-0.006	94	34770	0.5000	0.4477	
58 Isobutyl alcohol	41	6.598	6.567	0.031	31	9213	25.0	24.3	M
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.592	6.592	0.000	67	94299	10.0	10.0	
60 Benzene	78	6.629	6.628	0.001	94	109204	0.5000	0.4713	
61 1,2-Dichloroethane	62	6.702	6.702	0.000	94	25647	0.5000	0.4829	
63 Tert-amyl methyl ether	73	6.836	6.842	-0.006	99	51702	0.5000	0.4490	
* 64 Fluorobenzene (IS)	96	7.043	7.049	-0.006	99	2087335	10.0	10.0	
65 n-Heptane	43	7.067	7.073	-0.006	92	29248	0.5000	0.4119	
67 n-Butanol	56	7.622	7.482	0.140	39	5401	43.8	53.6	M
68 Trichloroethene	95	7.537	7.537	0.000	98	27681	0.5000	0.4649	
69 Methylcyclohexane	83	7.842	7.842	0.000	87	38844	0.5000	0.4266	
70 1,2-Dichloropropane	63	7.872	7.872	0.000	96	26241	0.5000	0.4678	
71 2-ethoxy-2-methyl butane	87	7.903	7.909	-0.006	92	35564	0.5000	0.4400	
73 1,4-Dioxane	88	8.019	7.976	0.043	28	517	25.0	5.17	M
74 Dibromomethane	93	7.988	7.982	0.006	92	10767	0.5000	0.4679	
72 Methyl methacrylate	69	8.000	7.988	0.012	58	6469	0.5000	0.4105	M
76 Dichlorobromomethane	83	8.232	8.232	0.000	99	29324	0.5000	0.4563	
77 2-Nitropropane	41	8.512	8.512	0.000	98	12747	2.50	2.65	M
79 1-Bromo-2-chloroethane	63	8.622	8.622	0.000	97	21205	0.5000	0.4398	
81 cis-1,3-Dichloropropene	75	8.811	8.799	0.012	96	33579	0.5000	0.4260	
82 4-Methyl-2-pentanone (MIBK)	43	9.012	9.006	0.006	96	83982	5.00	4.22	
\$ 83 Toluene-d8 (Surr)	98	9.134	9.140	-0.006	93	2095290	10.0	10.0	
84 Toluene	92	9.220	9.225	-0.005	97	66999	0.5000	0.4617	
85 trans-1,3-Dichloropropene	75	9.530	9.518	0.012	92	26993	0.5000	0.4445	
86 Ethyl methacrylate	69	9.616	9.609	0.007	89	13550	0.5000	0.3697	
107 1,1,2-Trichloroethane	97	9.738	9.737	0.001	91	15734	0.5000	0.4694	
108 Tetrachloroethene	166	9.823	9.823	0.000	96	31355	0.5000	0.4788	
109 1,3-Dichloropropane	76	9.915	9.908	0.006	88	27194	0.5000	0.4694	
110 2-Hexanone	43	10.000	9.987	0.013	98	61580	5.00	4.46	M
S 106 1,3-Dichloropropene, Total	100				0			0.8705	
112 Chlorodibromomethane	129	10.134	10.134	0.000	91	17725	0.5000	0.4333	
113 Ethylene Dibromide	107	10.250	10.243	0.007	99	13173	0.5000	0.4418	M
* 114 Chlorobenzene-d5 (IS)	117	10.707	10.707	0.000	86	1505979	10.0	10.0	
116 Chlorobenzene	112	10.731	10.731	0.000	94	76639	0.5000	0.4703	
115 1-Chlorohexane	91	10.731	10.731	0.000	64	36668	0.5000	0.4692	
117 1,1,1,2-Tetrachloroethane	131	10.823	10.823	0.000	94	23897	0.5000	0.4519	
118 Ethylbenzene	91	10.829	10.829	0.000	98	130075	0.5000	0.4608	
120 m-Xylene & p-Xylene	106	10.957	10.951	0.006	100	100193	1.00	0.9201	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 119 Xylenes, Total	106				0			1.36	
121 o-Xylene	106	11.292	11.292	0.000	97	45815	0.5000	0.4407	
122 Styrene	104	11.311	11.310	0.001	94	66061	0.5000	0.4177	
123 Bromoform	173	11.457	11.463	-0.006	93	8988	0.5000	0.4252	
124 Isopropylbenzene	105	11.603	11.603	0.000	96	108769	0.5000	0.4455	
\$ 127 4-Bromofluorobenzene (Surr)	95	11.743	11.743	0.000	89	721740	10.0	10.0	
128 1,1,2,2-Tetrachloroethane	83	11.859	11.859	0.000	65	17384	0.5000	0.4576	
129 Bromobenzene	156	11.859	11.859	0.000	91	28577	0.5000	0.4486	
130 trans-1,4-Dichloro-2-butene	53	11.890	11.883	0.007	89	37740	5.00	4.45	
131 1,2,3-Trichloropropane	110	11.902	11.902	0.000	78	4576	0.5000	0.4518	
132 N-Propylbenzene	91	11.938	11.938	0.000	99	154097	0.5000	0.4502	
133 2-Chlorotoluene	126	12.012	12.011	0.001	96	30771	0.5000	0.4524	
134 1,3,5-Trimethylbenzene	105	12.085	12.085	0.000	94	105046	0.5000	0.4353	
135 4-Chlorotoluene	126	12.109	12.103	0.006	98	32244	0.5000	0.4584	
136 tert-Butylbenzene	134	12.323	12.322	0.001	93	23614	0.5000	0.4510	
137 Pentachloroethane	167	12.353	12.353	0.000	81	15209	0.5000	0.4247	
138 1,2,4-Trimethylbenzene	105	12.371	12.365	0.006	97	110687	0.5000	0.4480	
139 sec-Butylbenzene	105	12.493	12.487	0.006	94	140716	0.5000	0.4499	
140 1,3-Dichlorobenzene	146	12.585	12.585	0.001	98	63594	0.5000	0.4691	
141 4-Isopropyltoluene	119	12.603	12.603	0.000	97	116802	0.5000	0.4375	
* 142 1,4-Dichlorobenzene-d4	152	12.640	12.639	0.001	95	819154	10.0	10.0	
143 1,4-Dichlorobenzene	146	12.658	12.658	0.000	95	64119	0.5000	0.4628	
144 1,2,3-Trimethylbenzene	120	12.670	12.676	-0.006	98	47855	0.5000	0.4530	
145 Benzyl chloride	126	12.737	12.737	0.000	99	6281	0.5000	0.4081	a
146 p-Diethylbenzene	119	12.877	12.877	0.000	92	73287	0.5000	0.4444	
147 n-Butylbenzene	92	12.896	12.895	0.001	98	61510	0.5000	0.4490	
148 1,2-Dichlorobenzene	146	12.920	12.920	0.000	98	55066	0.5000	0.4680	
150 1,2-Dibromo-3-Chloropropane	155	13.469	13.462	0.007	82	1906	0.5000	0.4538	
151 1,3,5-Trichlorobenzene	180	13.591	13.590	0.001	97	48242	0.5000	0.4526	
152 1,2,4-Trichlorobenzene	180	14.017	14.011	0.006	93	39264	0.5000	0.4620	
153 Hexachlorobutadiene	225	14.103	14.103	0.001	95	22092	0.5000	0.4762	
154 Naphthalene	128	14.194	14.188	0.006	97	47796	0.5000	0.4227	
155 1,2,3-Trichlorobenzene	180	14.334	14.334	0.000	96	28726	0.5000	0.4339	
156 2-Methylnaphthalene	142	14.926	14.919	0.007	92	20387	0.5000	0.4762	
167 Pentane	43	2.763	2.769	-0.006	38	2910	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_LL_#1_826_00155	Amount Added: 2.00	Units: uL	
MSV_LL_#2_826_00163	Amount Added: 2.00	Units: uL	
MSV_LL_GAS826_00247	Amount Added: 2.00	Units: uL	
MSV_29_826ISS_00057	Amount Added: 1.20	Units: uL	Run Reagent

Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X13.D

Injection Date: 03-Dec-2024 16:27:30

Instrument ID: 16334

Operator ID: knk41612

Lims ID: IC std2

Worklist Smp#: 14

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

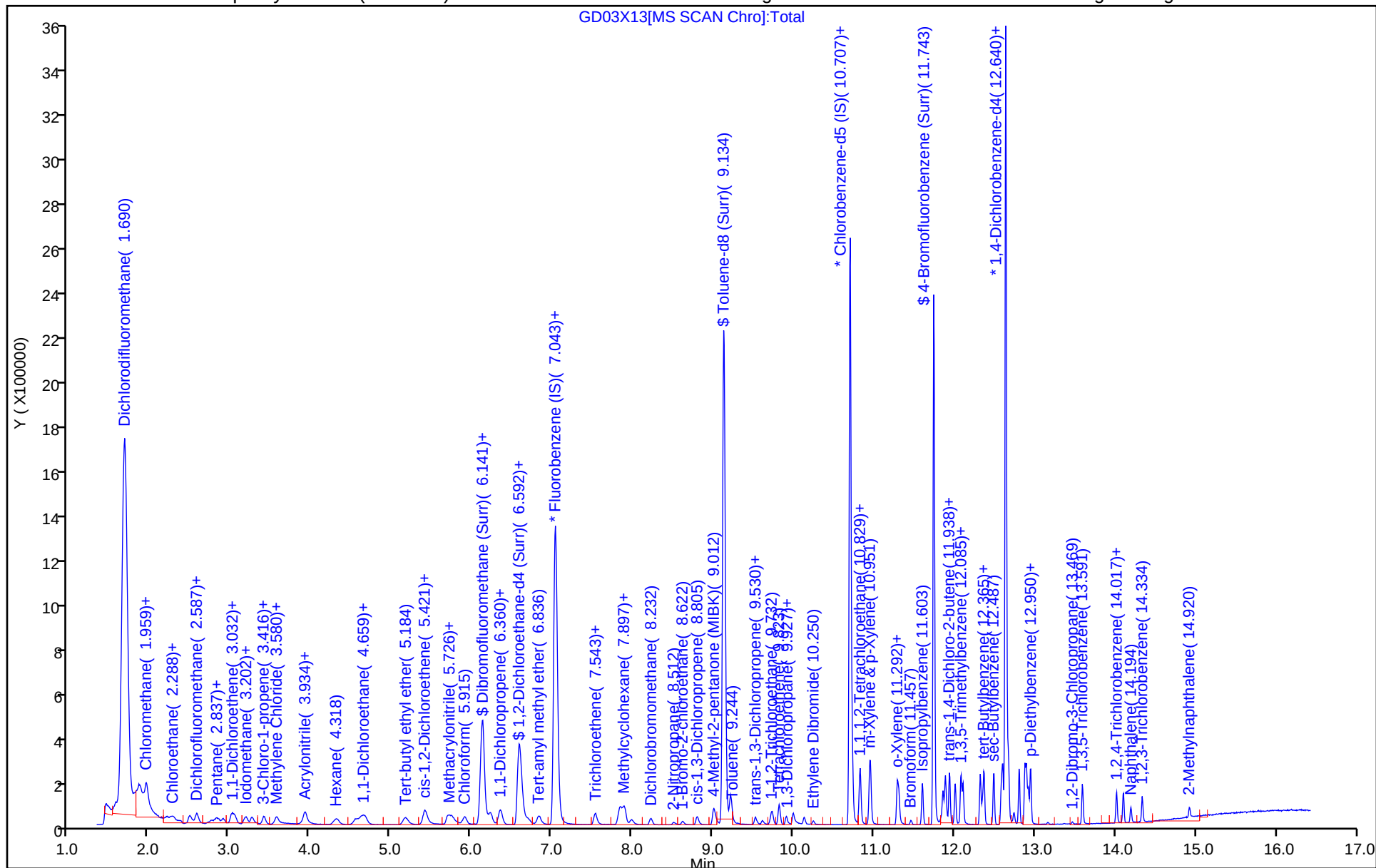
ALS Bottle#: 3

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

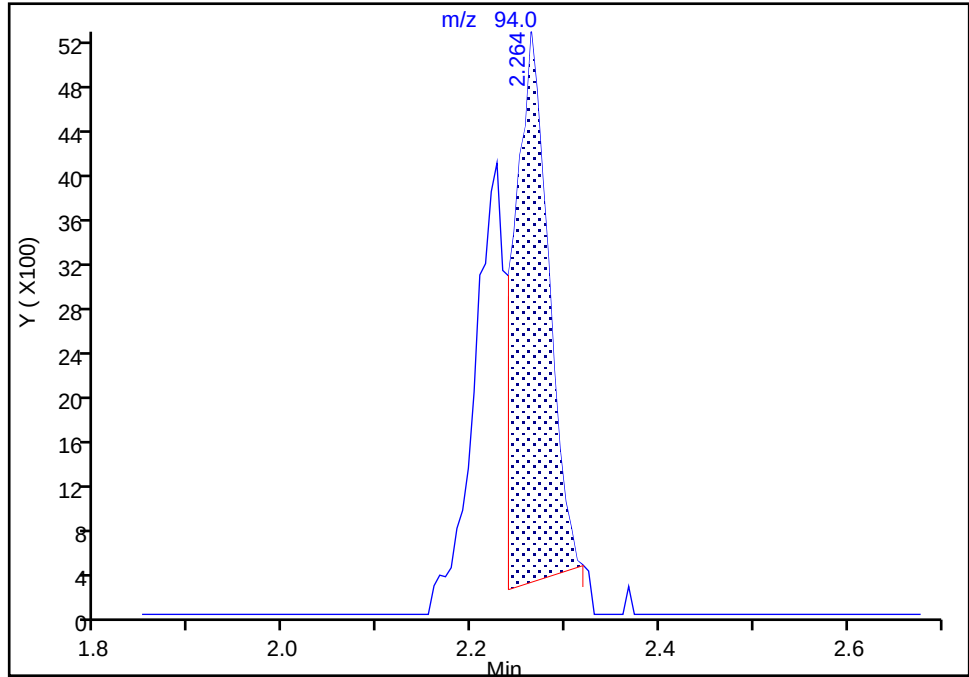
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Injection Date: 03-Dec-2024 16:27:30 Instrument ID: 16334
Lims ID: IC std2
Client ID:
Operator ID: knk41612 ALS Bottle#: 3 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

9 Bromomethane, CAS: 74-83-9

Signal: 1

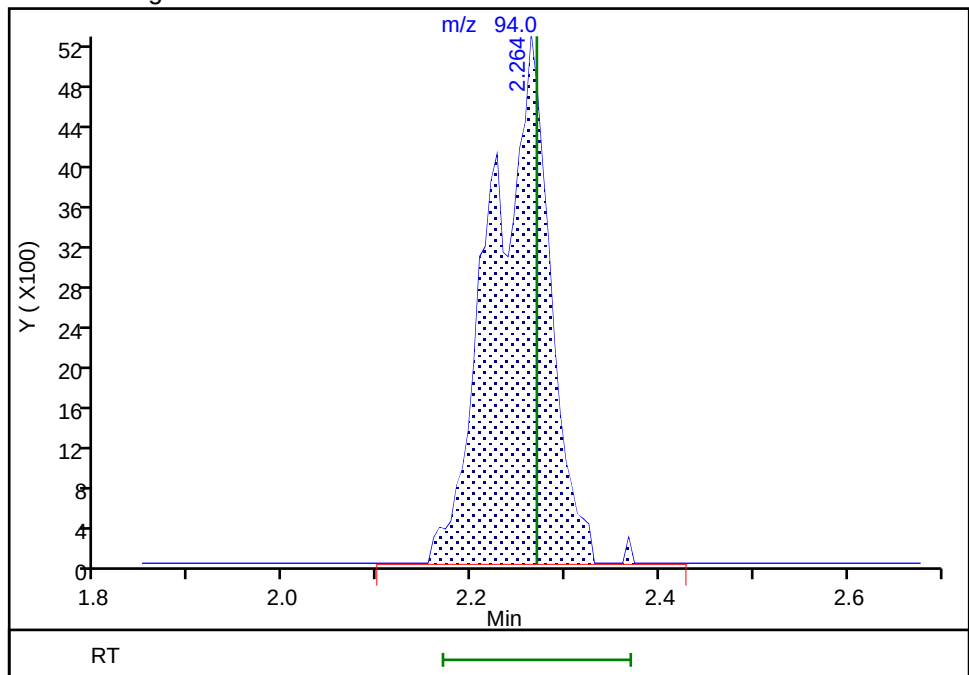
RT: 2.26
Area: 12470
Amount: 0.321188
Amount Units: ug/l

Processing Integration Results



RT: 2.26
Area: 23157
Amount: 0.490730
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-Dec-2024 08:28:54 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

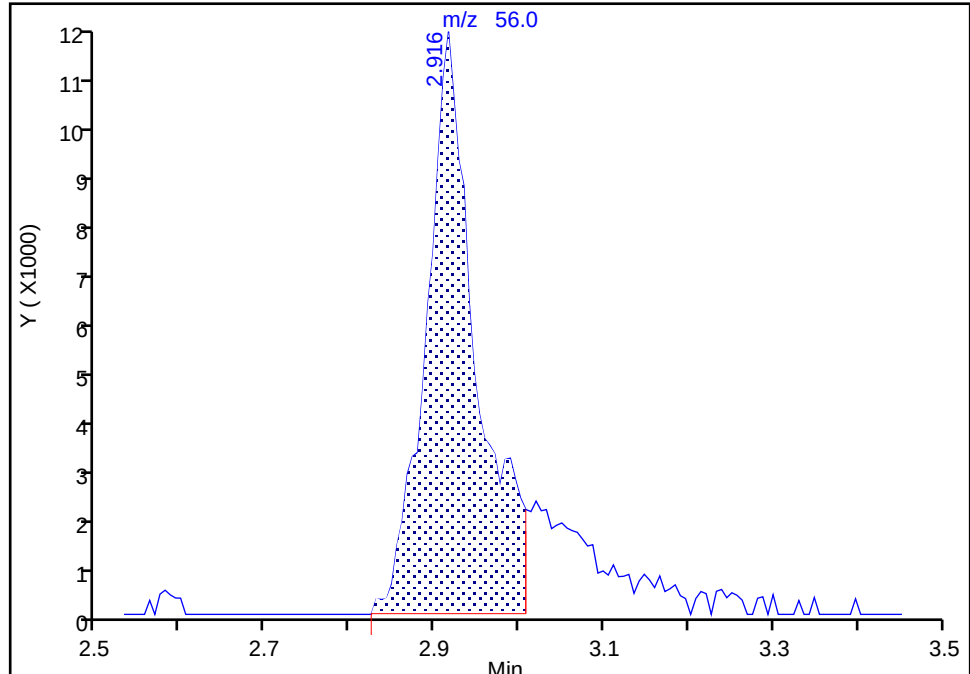
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Injection Date: 03-Dec-2024 16:27:30 Instrument ID: 16334
Lims ID: IC std2
Client ID:
Operator ID: knk41612 ALS Bottle#: 3 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

17 Acrolein, CAS: 107-02-8

Signal: 1

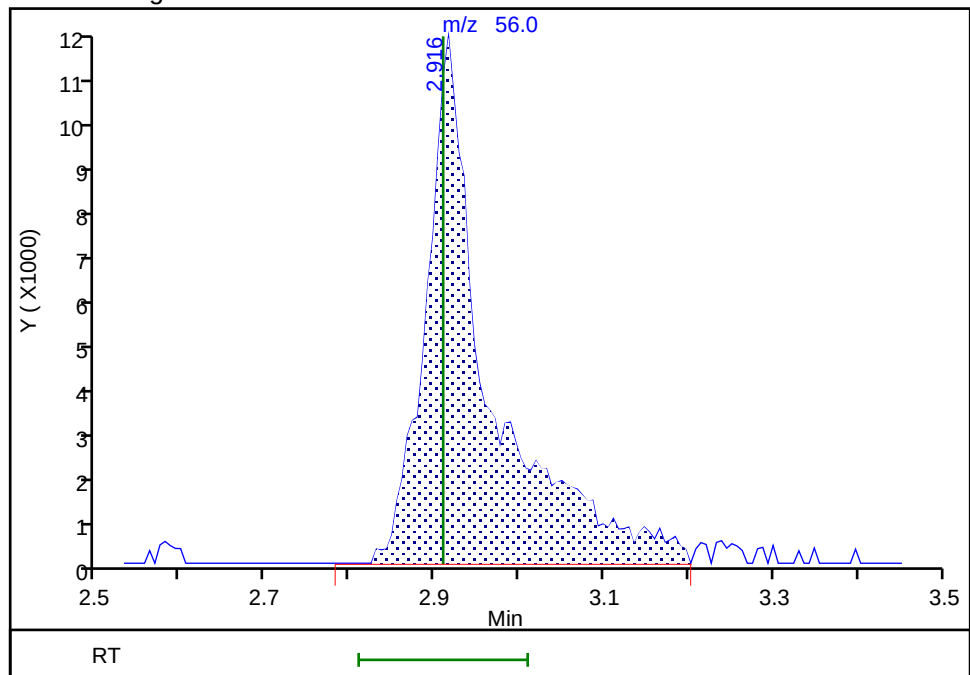
RT: 2.92
Area: 47029
Amount: 20.415447
Amount Units: ug/l

Processing Integration Results



RT: 2.92
Area: 59455
Amount: 18.795950
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-Dec-2024 08:42:26 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

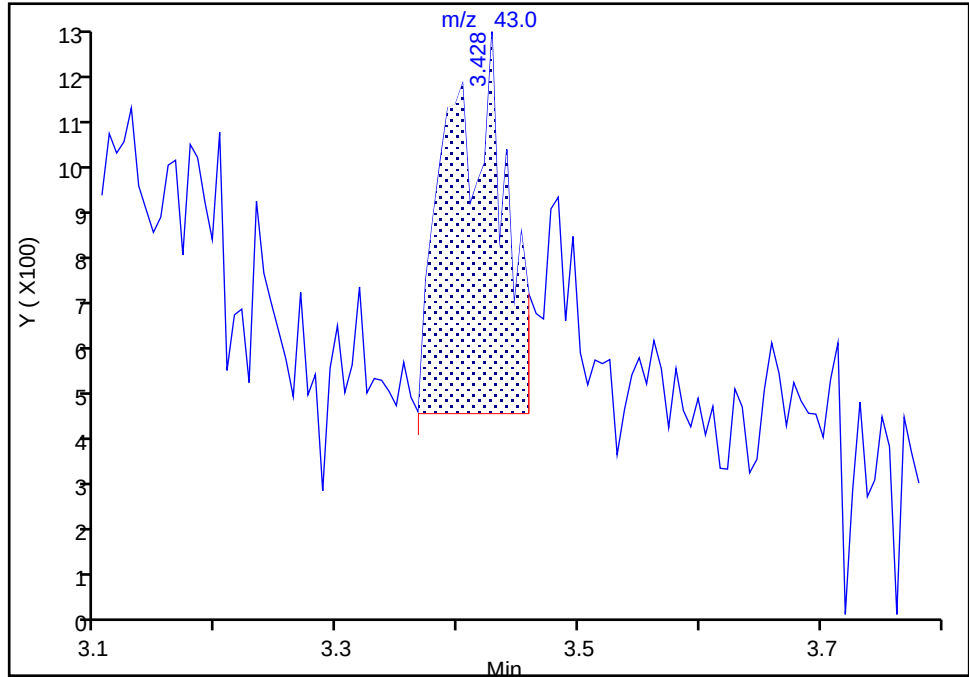
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Injection Date: 03-Dec-2024 16:27:30 Instrument ID: 16334
Lims ID: IC std2
Client ID:
Operator ID: knk41612 ALS Bottle#: 3 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

25 Methyl acetate, CAS: 79-20-9

Signal: 1

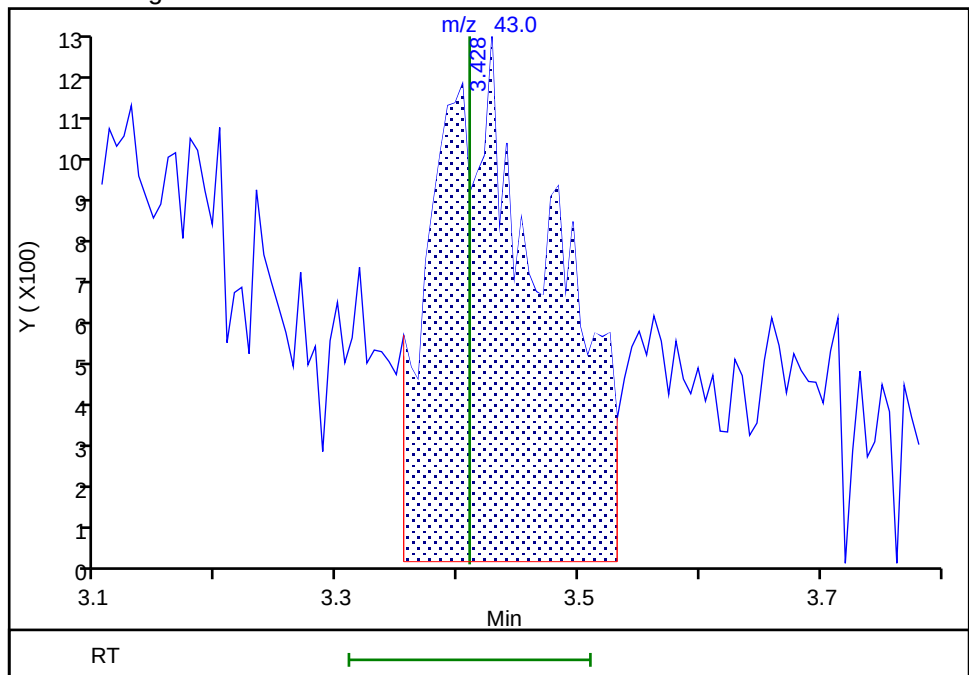
RT: 3.43
Area: 2776
Amount: 0.271710
Amount Units: ug/l

Processing Integration Results



RT: 3.43
Area: 8602
Amount: 0.454371
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 08-Dec-2024 11:33:23 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins Lancaster Laboratories Environment Testing, LLC

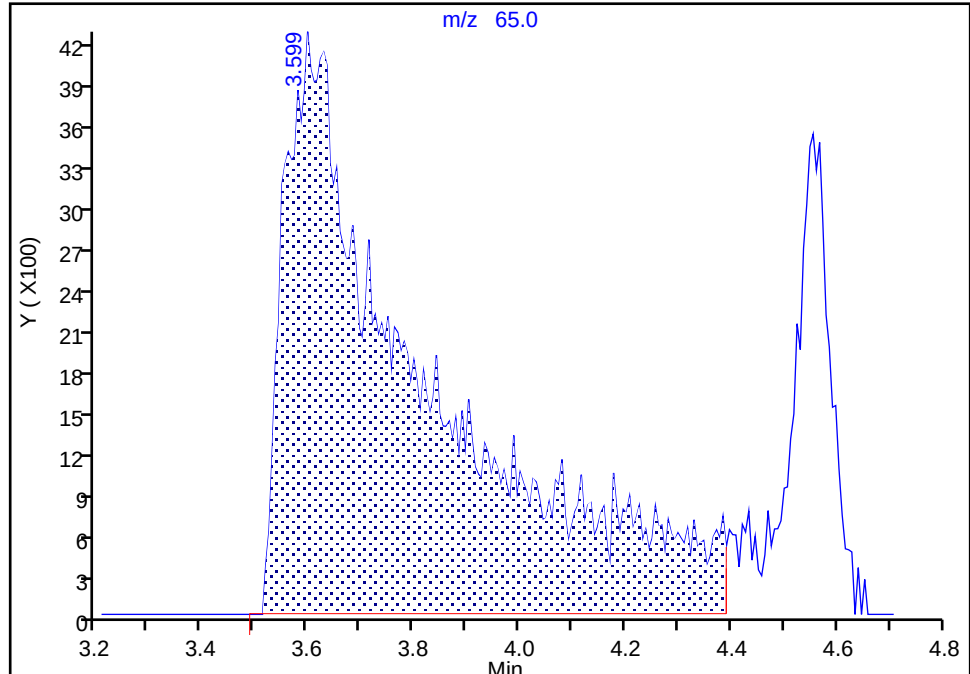
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Injection Date: 03-Dec-2024 16:27:30 Instrument ID: 16334
Lims ID: IC std2
Client ID:
Operator ID: knk41612 ALS Bottle#: 3 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

* 30 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

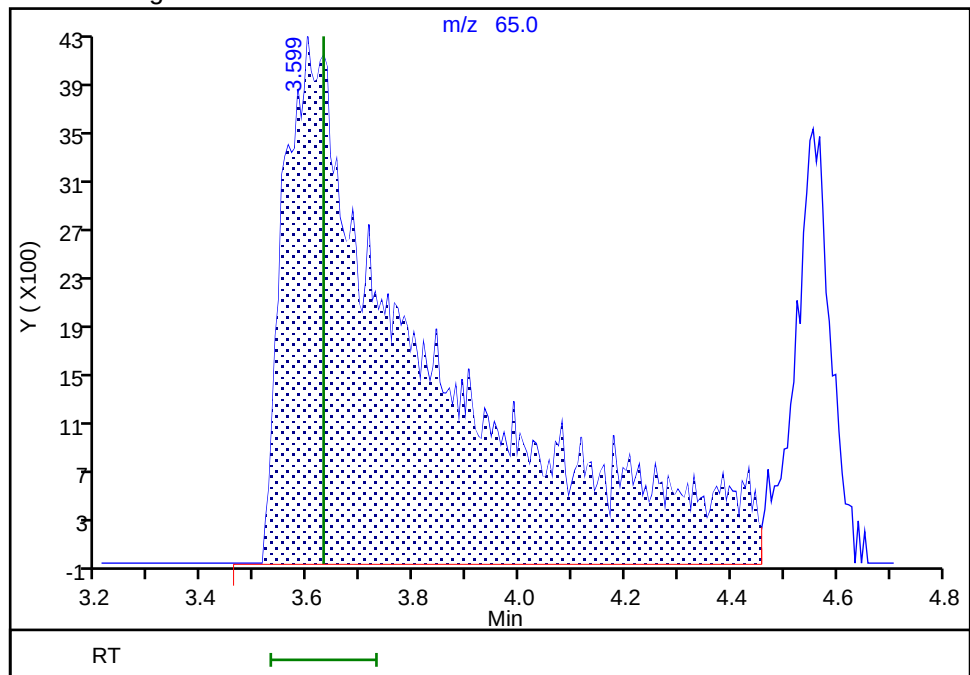
RT: 3.60
Area: 76110
Amount: 49.998300
Amount Units: ug/l

Processing Integration Results



RT: 3.60
Area: 78234
Amount: 49.998300
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-Dec-2024 08:29:51 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

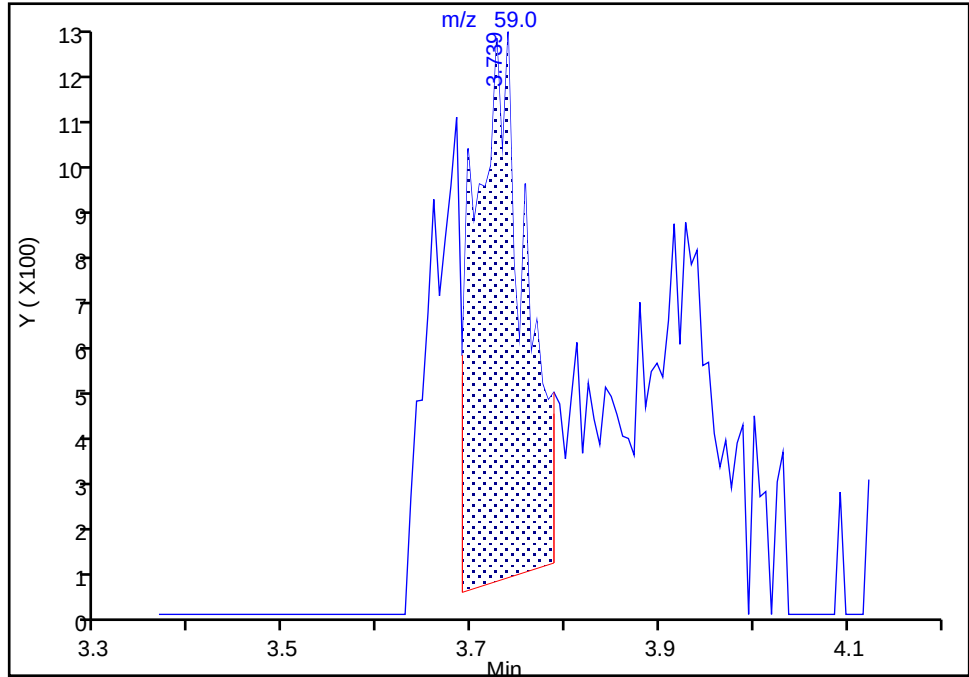
Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X13.D
Injection Date: 03-Dec-2024 16:27:30 Instrument ID: 16334
Lims ID: IC std2
Client ID:
Operator ID: knk41612 ALS Bottle#: 3 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

31 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

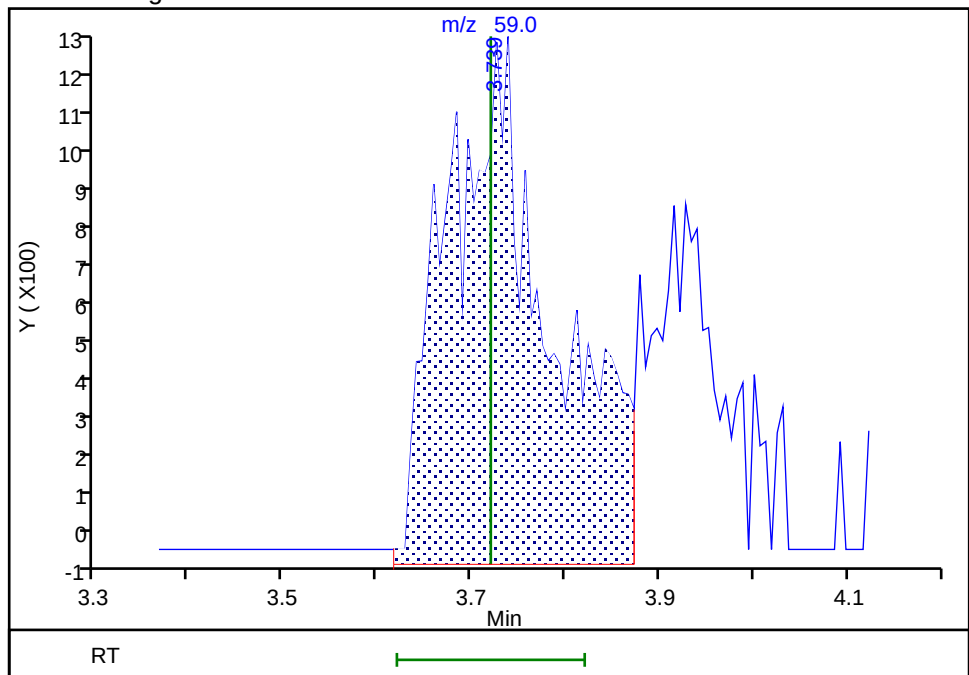
RT: 3.74
Area: 4508
Amount: 5.353406
Amount Units: ug/l

Processing Integration Results



RT: 3.74
Area: 10010
Amount: 10.887000
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-Dec-2024 08:30:03 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

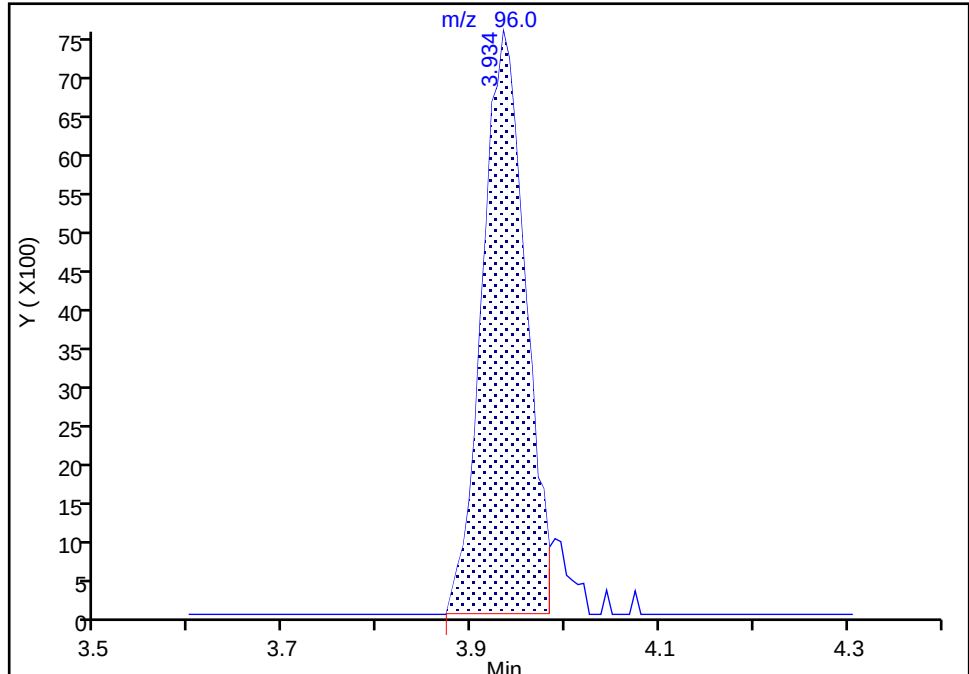
Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X13.D
Injection Date: 03-Dec-2024 16:27:30 Instrument ID: 16334
Lims ID: IC std2
Client ID:
Operator ID: knk41612 ALS Bottle#: 3 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

34 trans-1,2-Dichloroethene, CAS: 156-60-5

Signal: 1

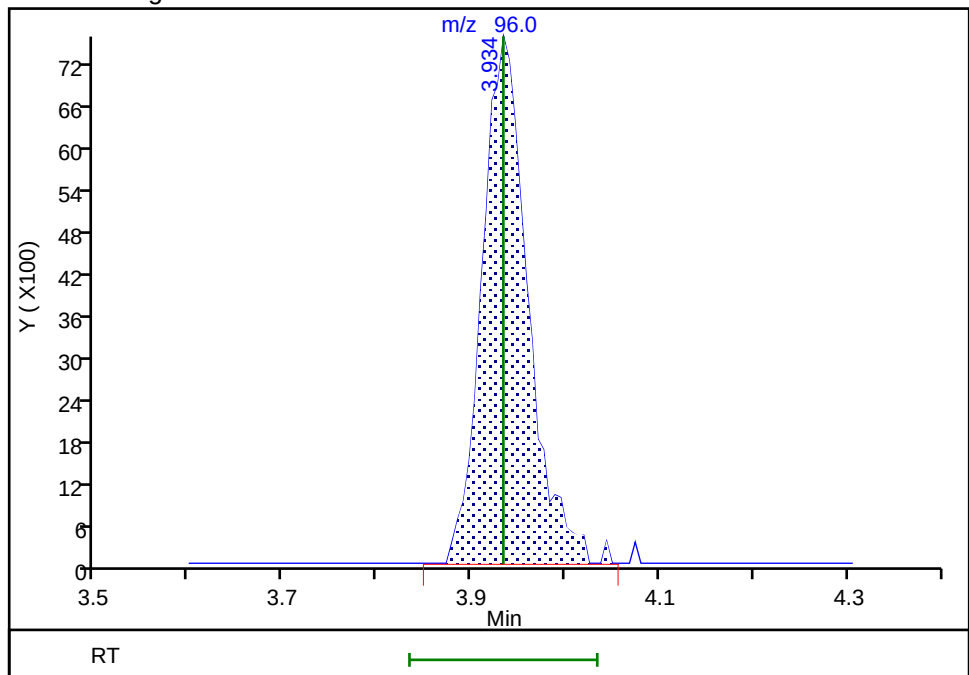
RT: 3.93
Area: 24194
Amount: 0.440721
Amount Units: ug/l

Processing Integration Results



RT: 3.93
Area: 25653
Amount: 0.463776
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 08-Dec-2024 11:09:58 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

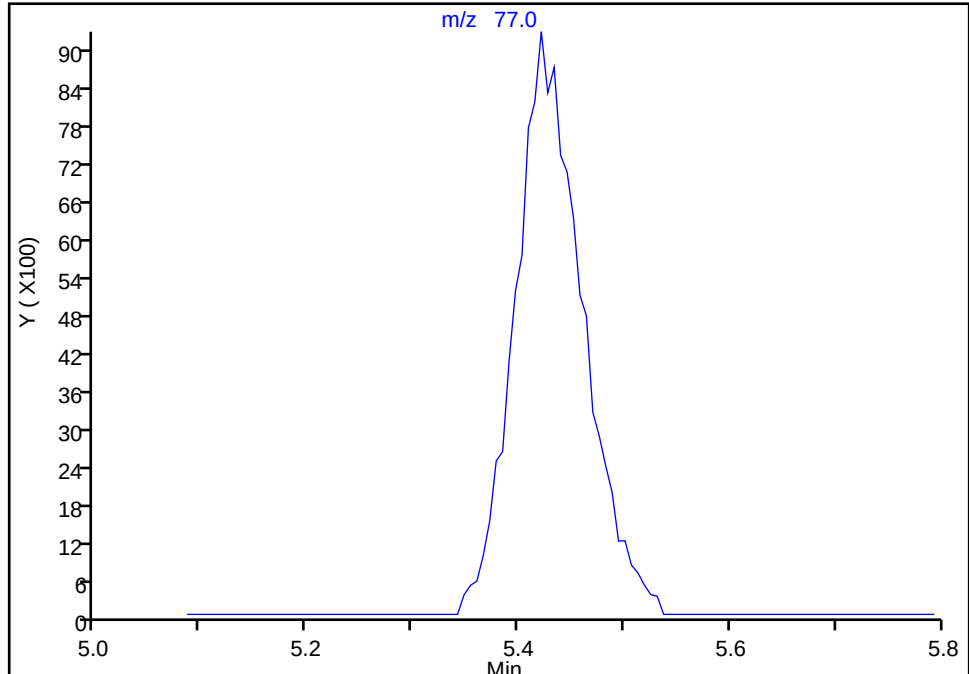
Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X13.D
Injection Date: 03-Dec-2024 16:27:30 Instrument ID: 16334
Lims ID: IC std2
Client ID:
Operator ID: knk41612 ALS Bottle#: 3 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

43 2,2-Dichloropropane, CAS: 594-20-7

Signal: 1

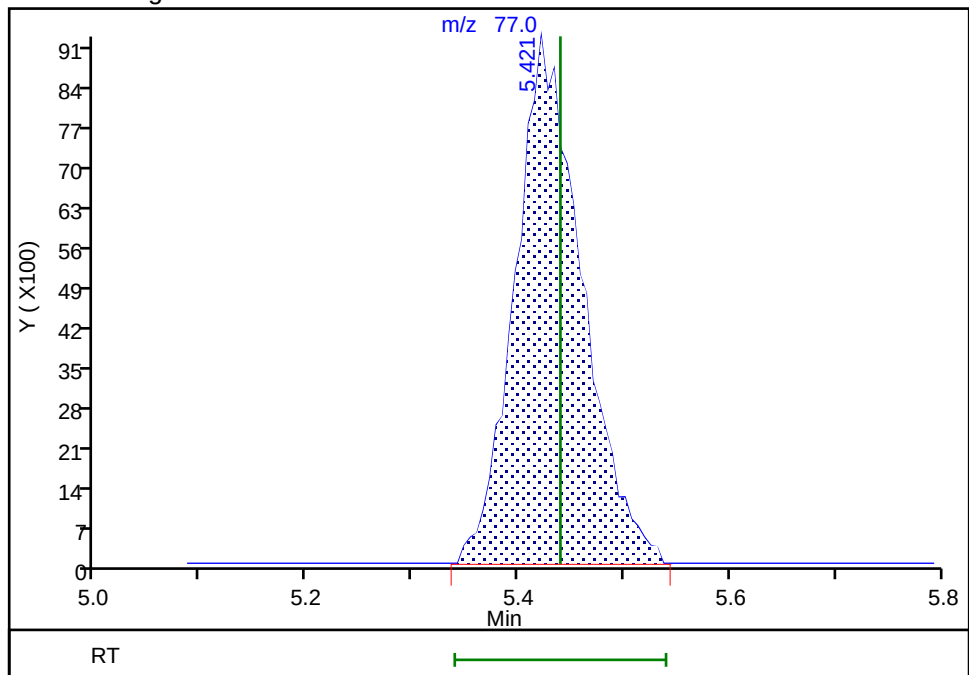
Not Detected
Expected RT: 5.44

Processing Integration Results



RT: 5.42
Area: 40782
Amount: 0.477904
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-Dec-2024 08:12:25 -05:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

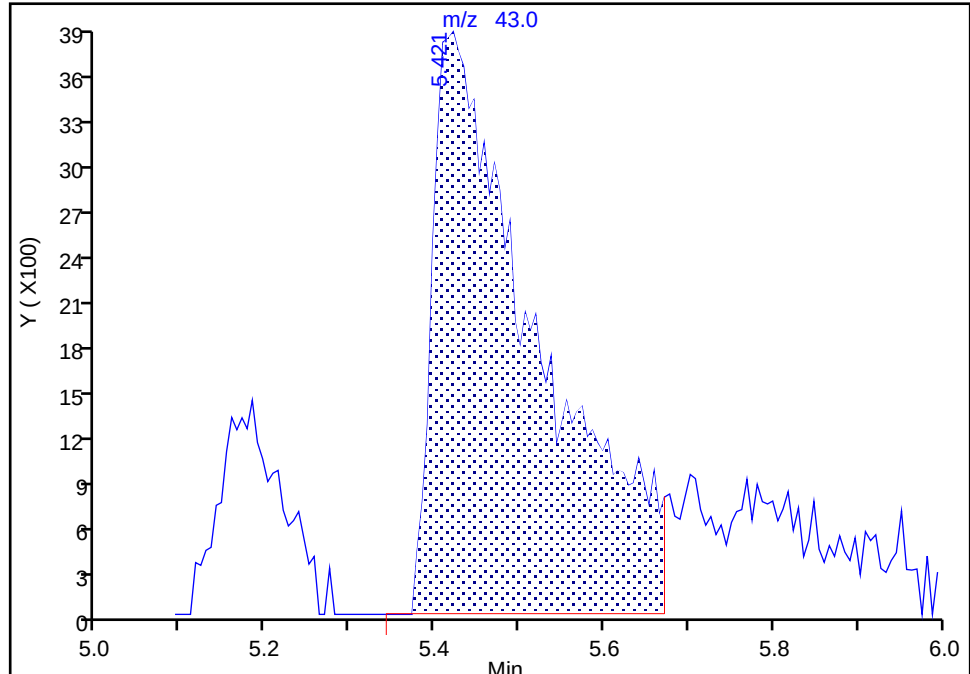
Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X13.D
Injection Date: 03-Dec-2024 16:27:30 Instrument ID: 16334
Lims ID: IC std2
Client ID:
Operator ID: knk41612 ALS Bottle#: 3 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

41 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

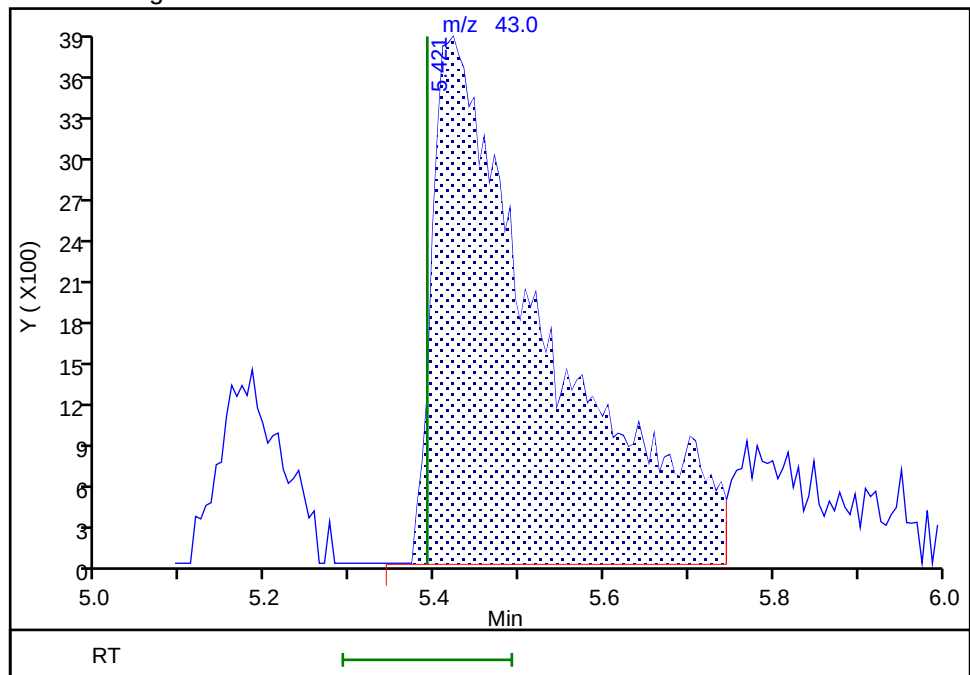
RT: 5.42
Area: 32792
Amount: 4.310305
Amount Units: ug/l

Processing Integration Results



RT: 5.42
Area: 35756
Amount: 4.648163
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 08-Dec-2024 11:10:36 -05:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

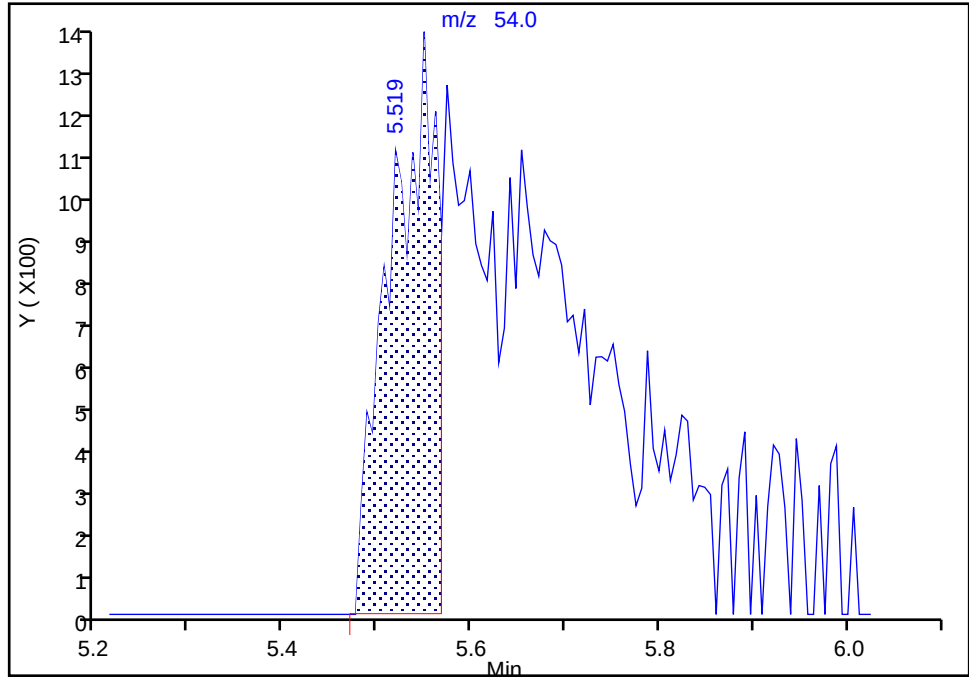
Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X13.D
Injection Date: 03-Dec-2024 16:27:30 Instrument ID: 16334
Lims ID: IC std2
Client ID:
Operator ID: knk41612 ALS Bottle#: 3 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

45 Propionitrile, CAS: 107-12-0

Signal: 1

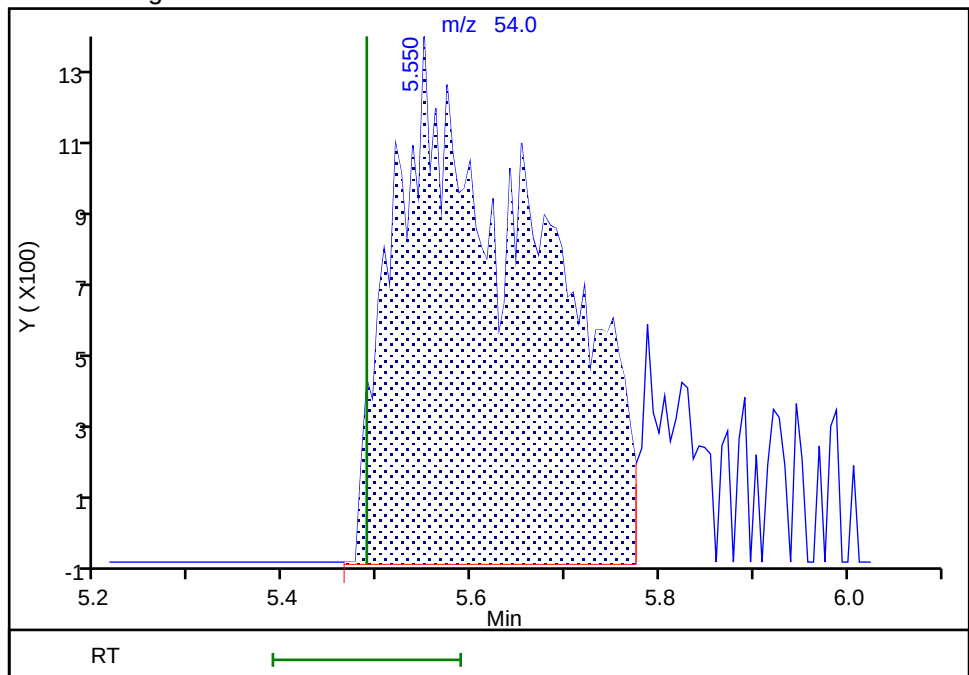
RT: 5.52
Area: 4656
Amount: 7.132745
Amount Units: ug/l

Processing Integration Results



RT: 5.55
Area: 14274
Amount: 10.406540
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-Dec-2024 08:30:20 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

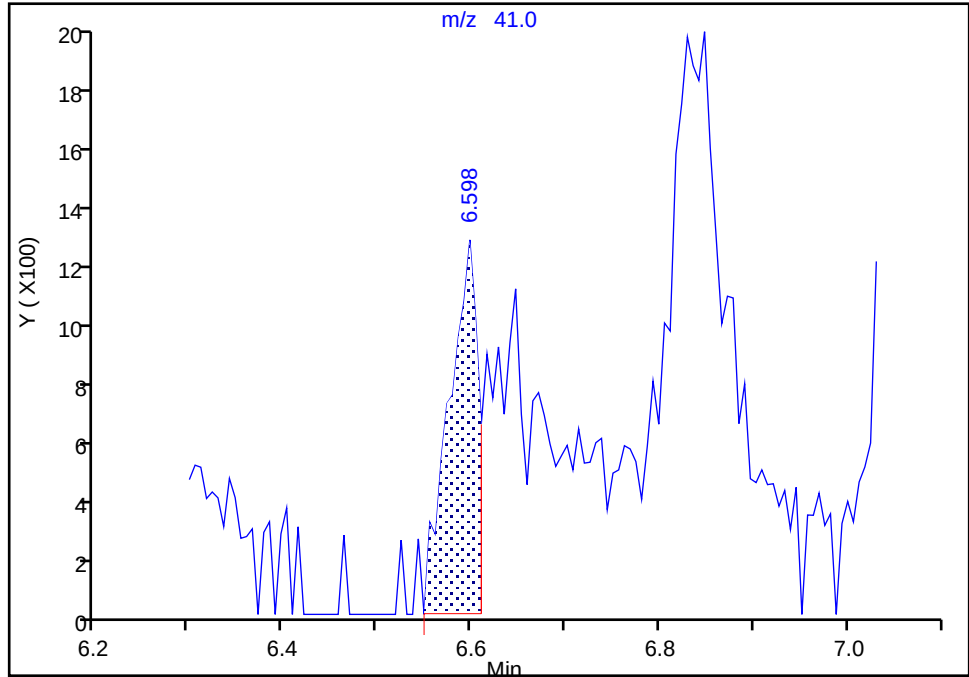
Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X13.D
Injection Date: 03-Dec-2024 16:27:30 Instrument ID: 16334
Lims ID: IC std2
Client ID:
Operator ID: knk41612 ALS Bottle#: 3 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

58 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

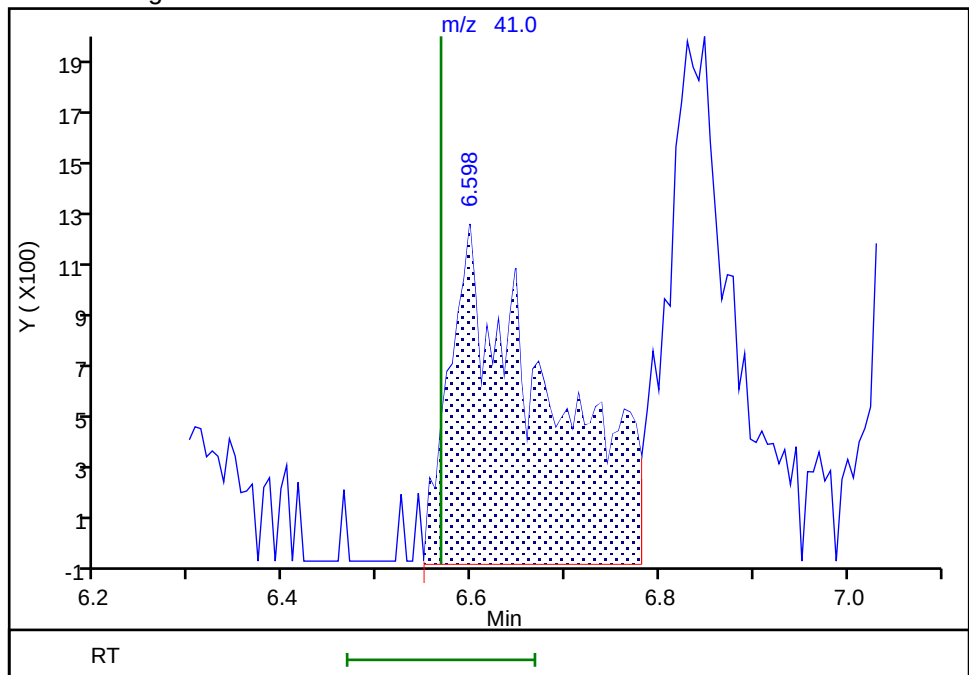
RT: 6.60
Area: 2742
Amount: 10.513182
Amount Units: ug/l

Processing Integration Results



RT: 6.60
Area: 9213
Amount: 24.304382
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-Dec-2024 08:30:35 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

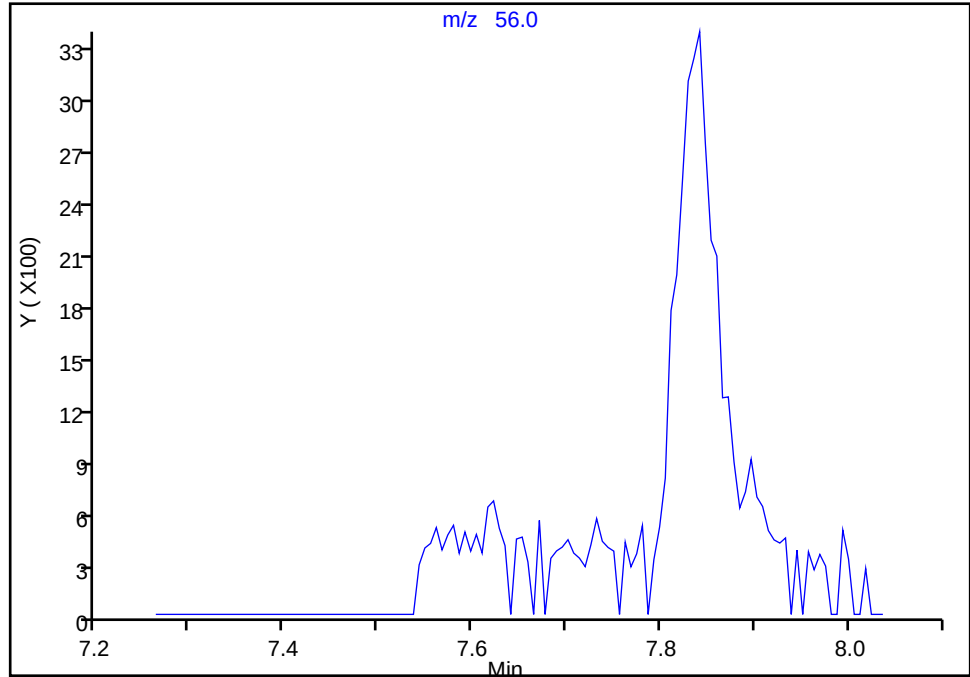
Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X13.D
Injection Date: 03-Dec-2024 16:27:30 Instrument ID: 16334
Lims ID: IC std2
Client ID:
Operator ID: knk41612 ALS Bottle#: 3 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

67 n-Butanol, CAS: 71-36-3

Signal: 1

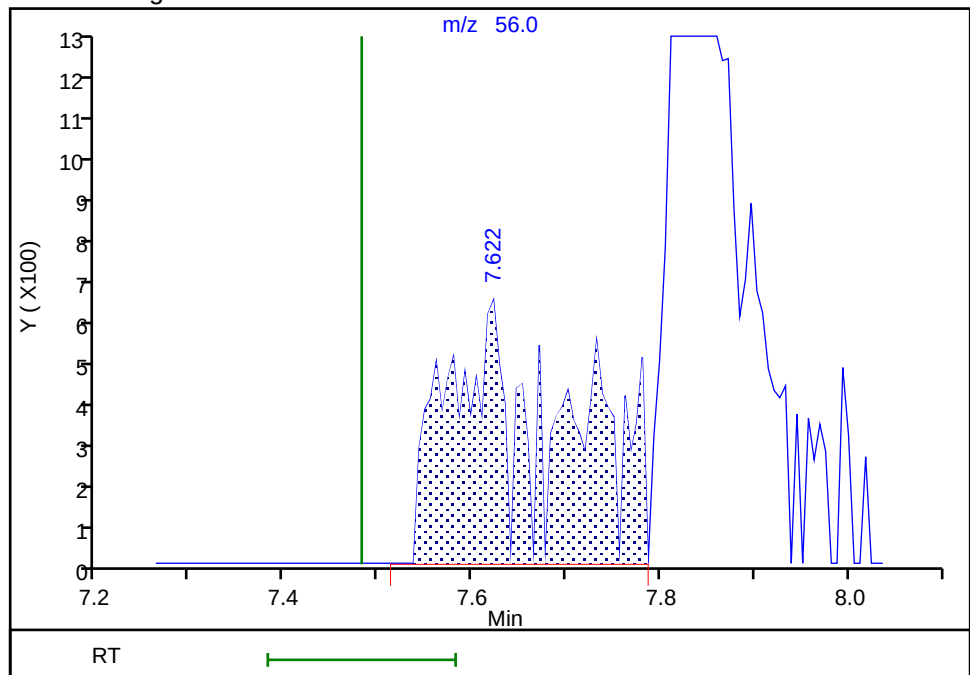
Not Detected
Expected RT: 7.48

Processing Integration Results



RT: 7.62
Area: 5401
Amount: 53.582890
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-Dec-2024 08:30:45 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

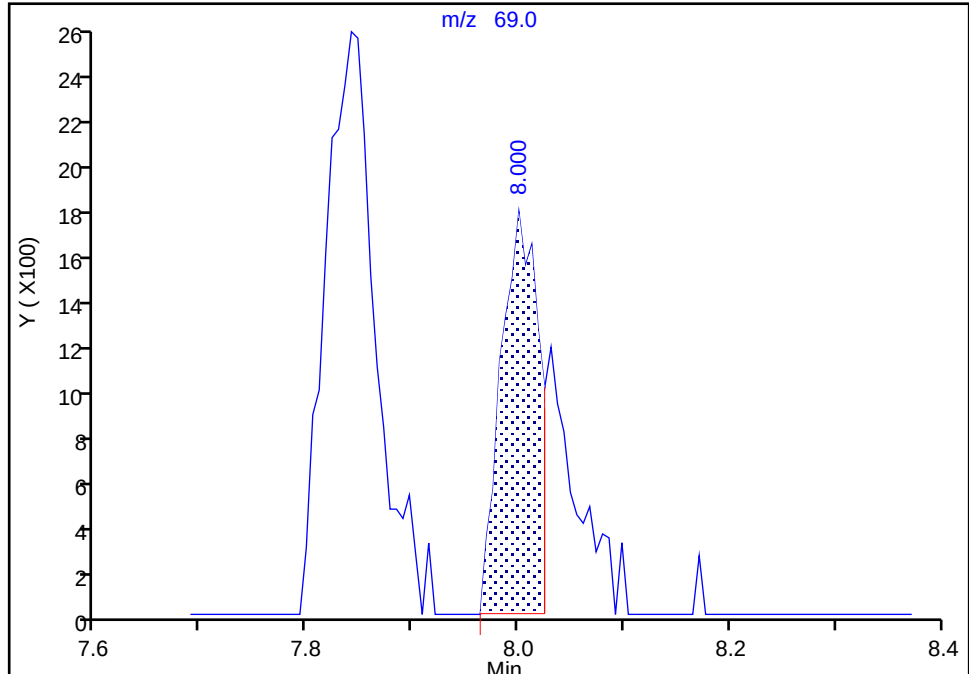
Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X13.D
Injection Date: 03-Dec-2024 16:27:30 Instrument ID: 16334
Lims ID: IC std2
Client ID:
Operator ID: knk41612 ALS Bottle#: 3 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

72 Methyl methacrylate, CAS: 80-62-6

Signal: 1

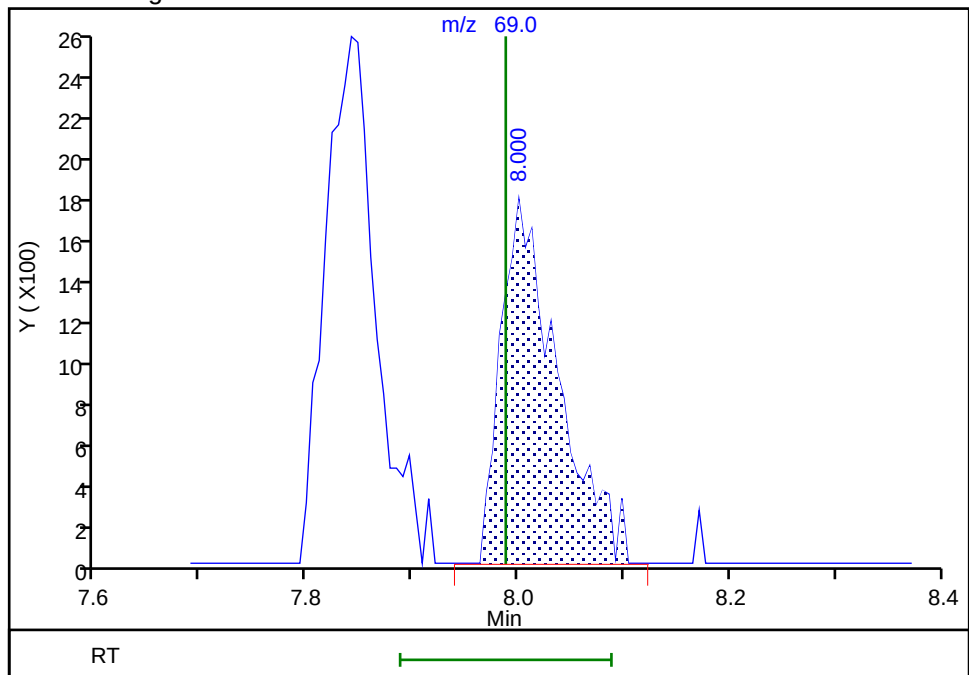
RT: 8.00
Area: 4303
Amount: 0.517728
Amount Units: ug/l

Processing Integration Results



RT: 8.00
Area: 6469
Amount: 0.410478
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-Dec-2024 08:31:05 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

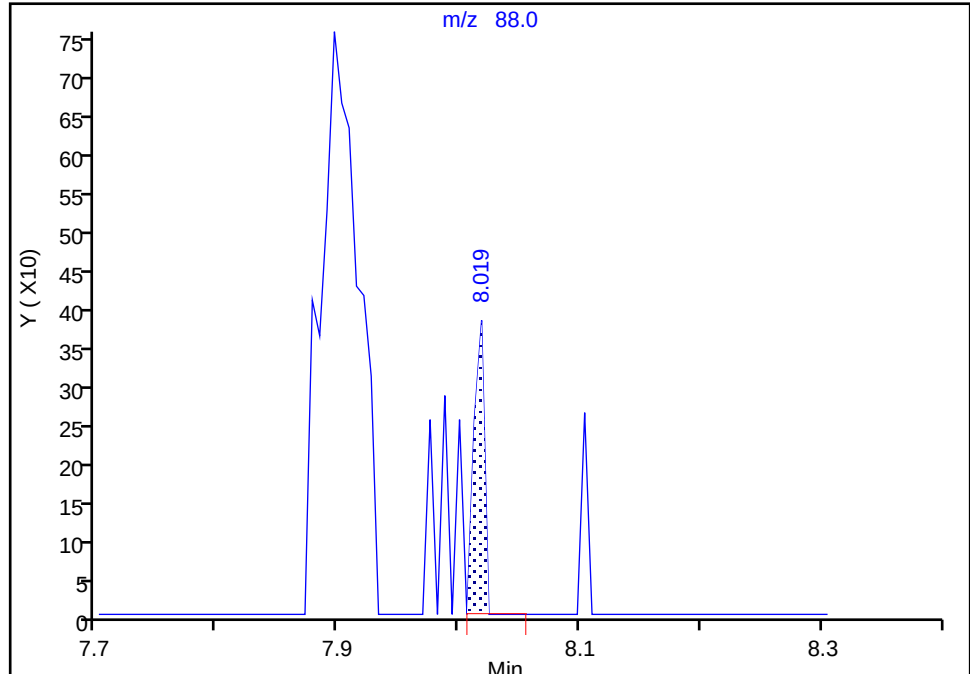
Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X13.D
Injection Date: 03-Dec-2024 16:27:30 Instrument ID: 16334
Lims ID: IC std2
Client ID:
Operator ID: knk41612 ALS Bottle#: 3 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

73 1,4-Dioxane, CAS: 123-91-1

Signal: 1

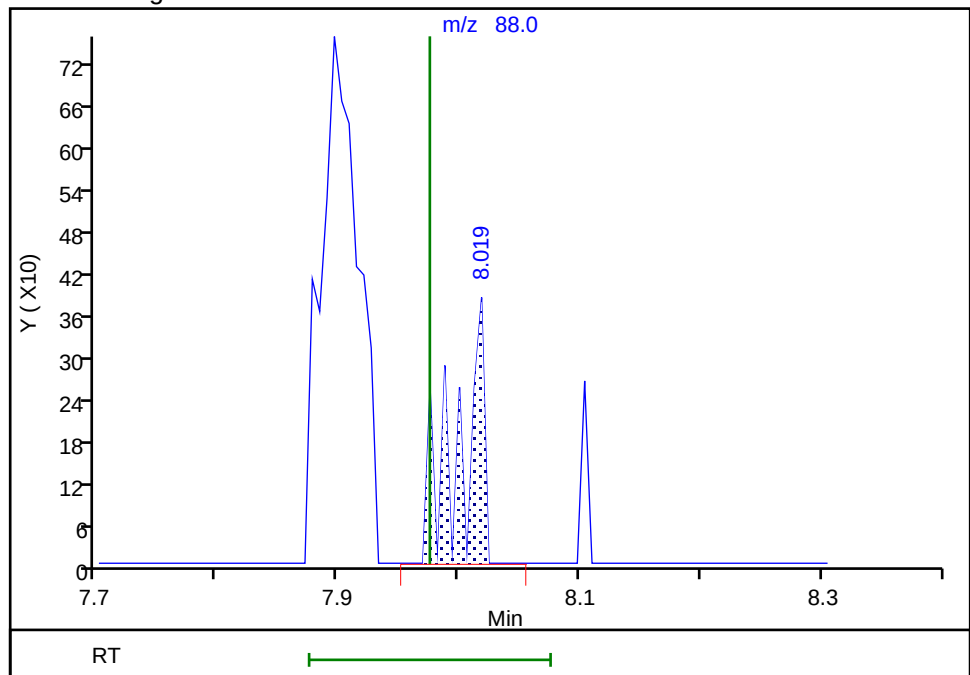
RT: 8.02
Area: 230
Amount: 18.315036
Amount Units: ug/l

Processing Integration Results



RT: 8.02
Area: 517
Amount: 5.169255
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-Dec-2024 08:30:56 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

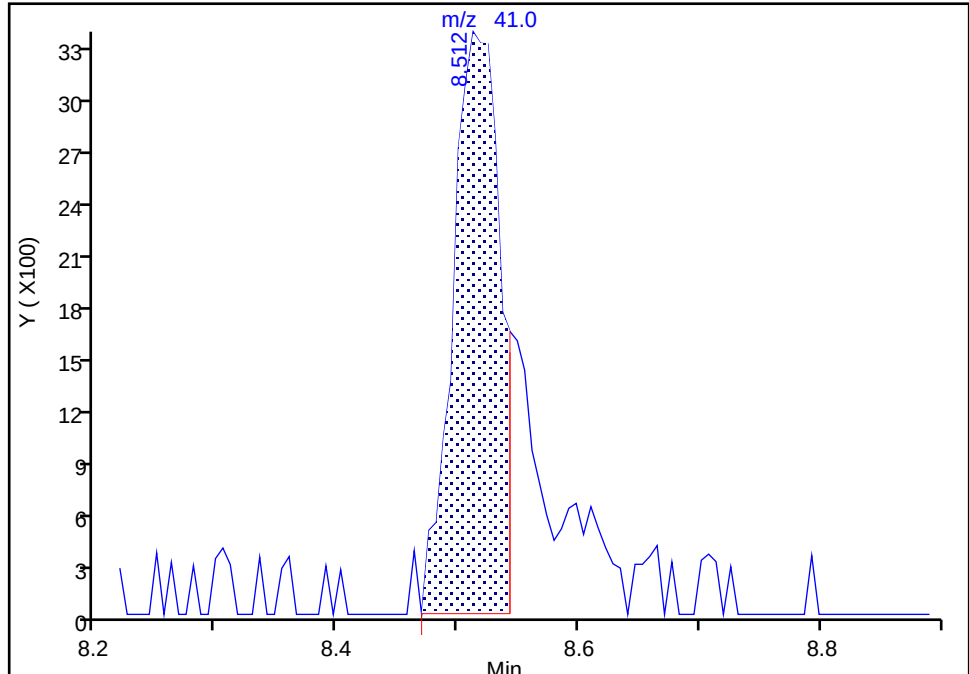
Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X13.D
Injection Date: 03-Dec-2024 16:27:30 Instrument ID: 16334
Lims ID: IC std2
Client ID:
Operator ID: knk41612 ALS Bottle#: 3 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

77 2-Nitropropane, CAS: 79-46-9

Signal: 1

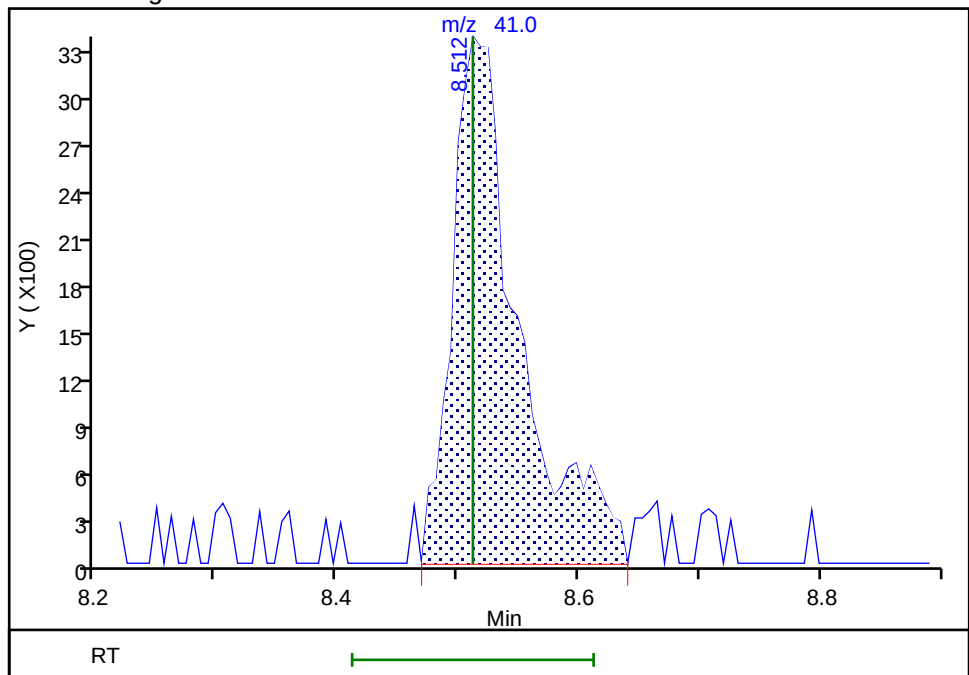
RT: 8.51
Area: 9141
Amount: 2.057232
Amount Units: ug/l

Processing Integration Results



RT: 8.51
Area: 12747
Amount: 2.651818
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-Dec-2024 08:31:18 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

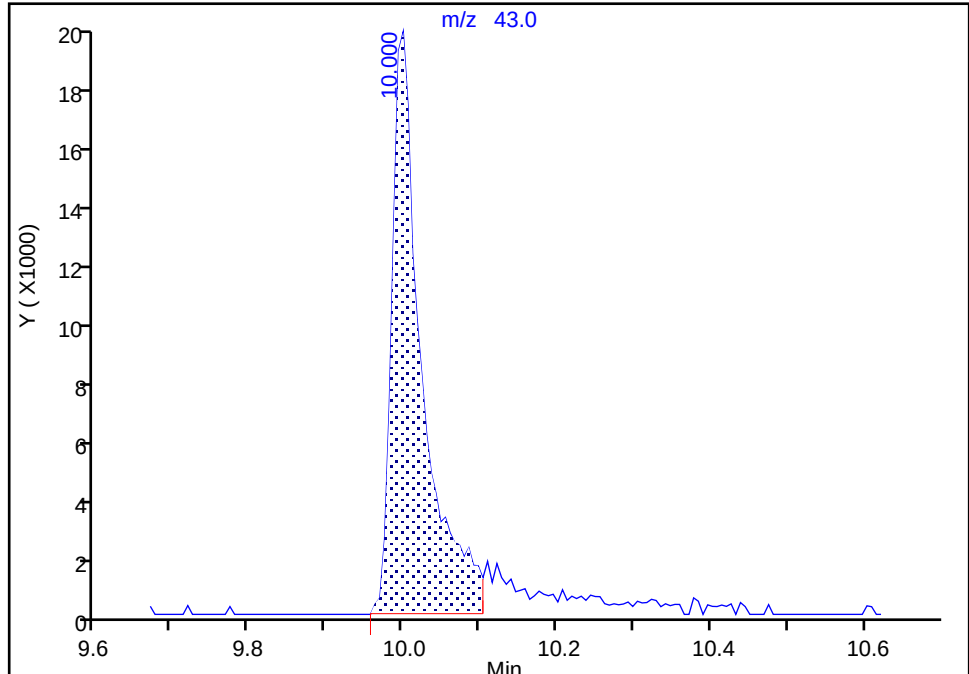
Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X13.D
Injection Date: 03-Dec-2024 16:27:30 Instrument ID: 16334
Lims ID: IC std2
Client ID:
Operator ID: knk41612 ALS Bottle#: 3 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

110 2-Hexanone, CAS: 591-78-6

Signal: 1

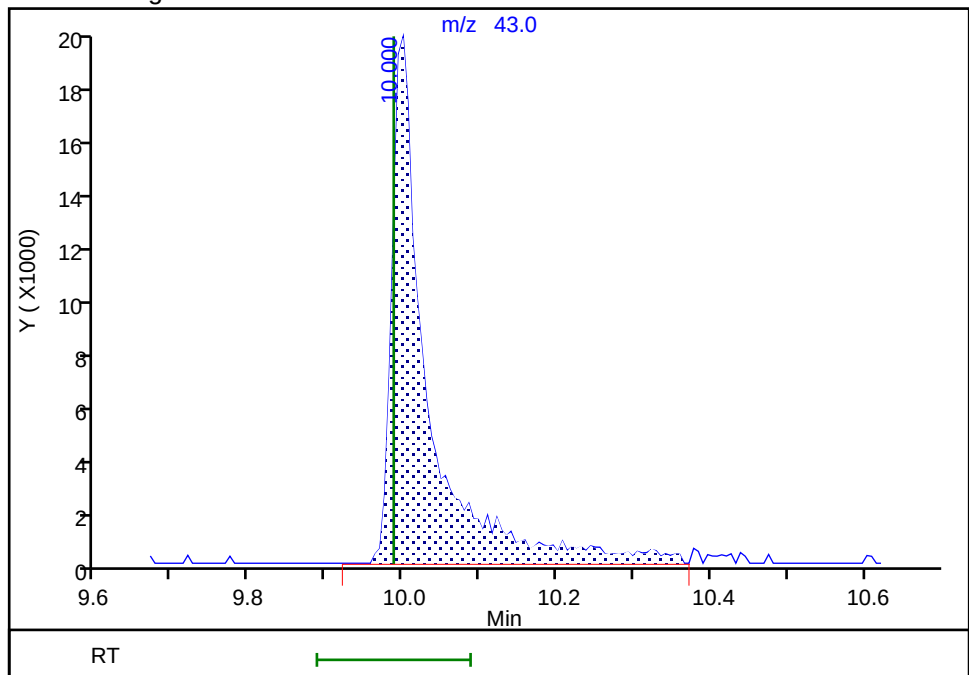
RT: 10.00
Area: 52227
Amount: 3.853867
Amount Units: ug/l

Processing Integration Results



RT: 10.00
Area: 61580
Amount: 4.456160
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-Dec-2024 08:39:08 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

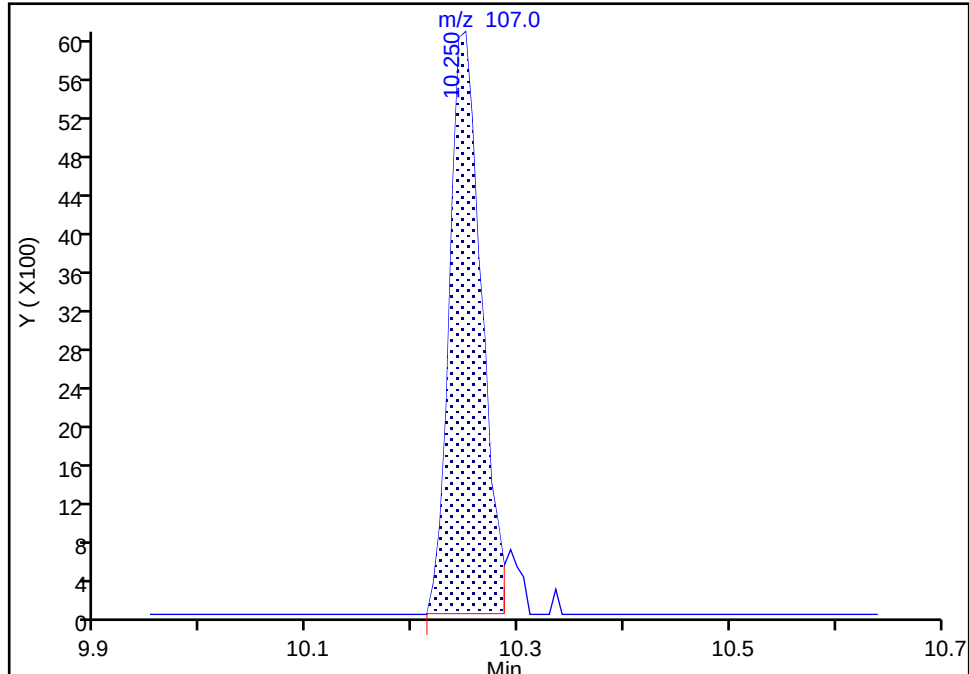
Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X13.D
Injection Date: 03-Dec-2024 16:27:30 Instrument ID: 16334
Lims ID: IC std2
Client ID:
Operator ID: knk41612 ALS Bottle#: 3 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

113 Ethylene Dibromide, CAS: 106-93-4

Signal: 1

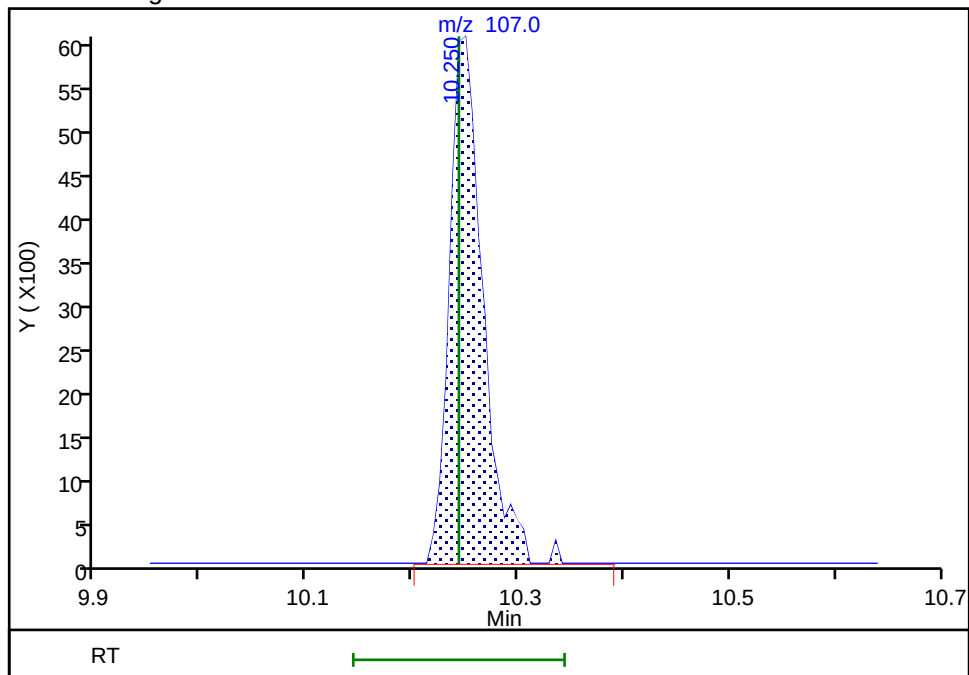
RT: 10.25
Area: 12511
Amount: 0.422256
Amount Units: ug/l

Processing Integration Results



RT: 10.25
Area: 13173
Amount: 0.441779
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 08-Dec-2024 11:11:36 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

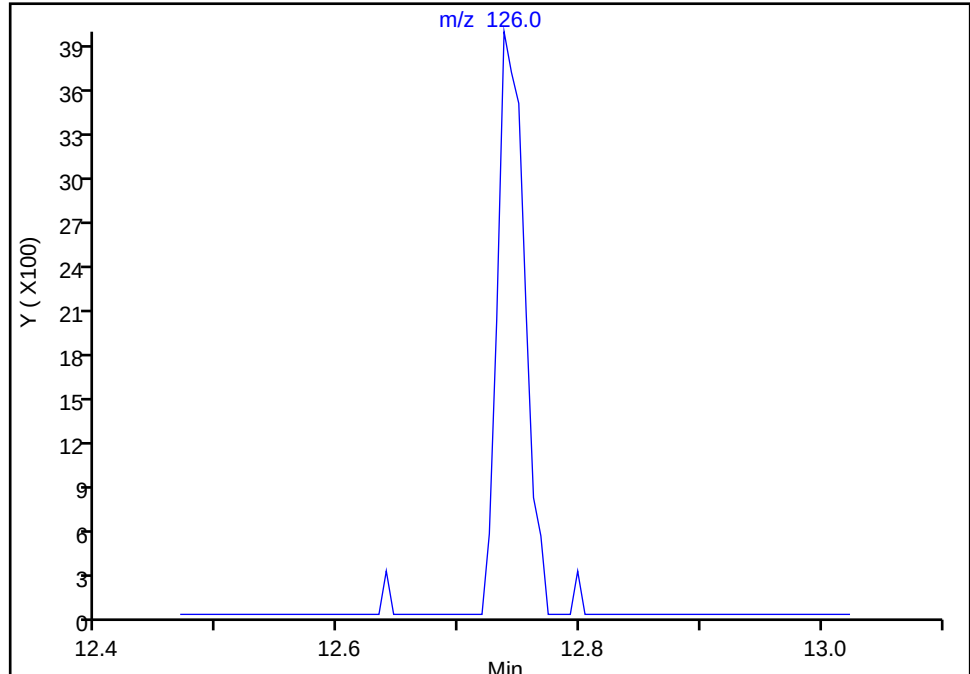
Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X13.D
Injection Date: 03-Dec-2024 16:27:30 Instrument ID: 16334
Lims ID: IC std2
Client ID:
Operator ID: knk41612 ALS Bottle#: 3 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

145 Benzyl chloride, CAS: 100-44-7

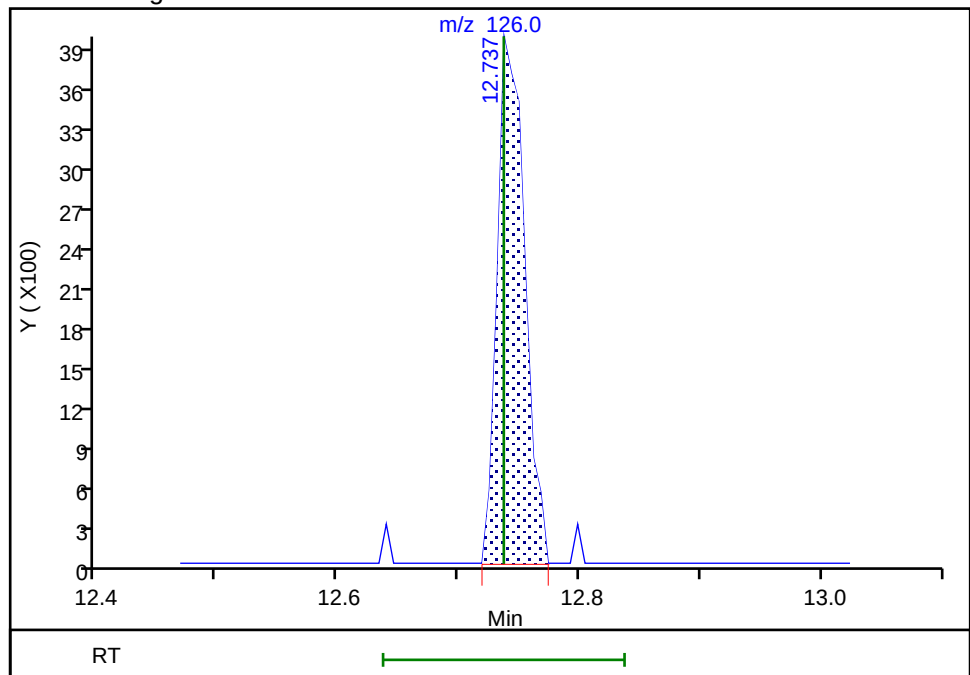
Signal: 1

Not Detected
Expected RT: 12.74

Processing Integration Results



Manual Integration Results



RT: 12.74
Area: 6281
Amount: 0.408120
Amount Units: ug/l

Reviewer: DVW2, 04-Dec-2024 08:11:44 -05:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X14.D
 Lims ID: IC std3
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 03-Dec-2024 16:50:30 ALS Bottle#: 4 Worklist Smp#: 15
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0132221-015
 Misc. Info.: IC STD3
 Operator ID: knk41612 Instrument ID: 16334
 Sublist: chrom-MSV_16334_25mL*sub4
 Method: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\MSV_16334_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 09-Dec-2024 09:42:14 Calib Date: 03-Dec-2024 18:18:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1610

First Level Reviewer: DVW2

Date: 04-Dec-2024 08:11:32

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.703	1.709	-0.006	31	65808	1.00	1.07	
5 Chloromethane	50	1.879	1.879	0.000	99	72370	1.00	0.9783	
7 Butadiene	39	1.959	1.965	-0.006	90	69314	1.00	1.02	
6 Vinyl chloride	62	1.983	1.977	0.006	97	67557	1.00	1.01	
9 Bromomethane	94	2.270	2.269	0.001	91	44768	1.00	1.03	M
10 Chloroethane	64	2.306	2.306	0.000	99	36238	1.00	1.07	
11 Dichlorofluoromethane	67	2.507	2.507	0.000	96	96483	1.00	1.02	
12 Trichlorofluoromethane	101	2.593	2.599	-0.006	71	76757	1.00	1.03	
13 Ethyl ether	59	2.769	2.763	0.006	91	29561	1.00	1.09	M
16 1,2-Dichloro-1,1,2-trifluoroetha	67	2.837	2.843	-0.005	92	58279	1.00	1.04	
17 Acrolein	56	2.916	2.910	0.006	99	137133	48.8	48.1	M
18 1,1-Dichloroethene	96	3.026	3.025	0.001	98	47699	1.00	1.10	
19 Acetone	43	3.062	3.062	0.000	48	43205	10.0	10.7	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.062	3.068	-0.006	93	53034	1.00	1.16	
21 Isopropyl alcohol	45	3.208	3.178	0.030	26	8460	20.0	17.2	
22 Iodomethane	142	3.190	3.190	0.000	99	91582	1.00	1.09	
23 Ethyl bromide	108	3.215	3.214	0.001	98	41423	1.00	1.08	
24 Carbon disulfide	76	3.282	3.275	0.007	99	177642	1.00	1.11	
25 Methyl acetate	43	3.391	3.409	-0.018	22	16764	1.00	0.9821	M
27 3-Chloro-1-propene	41	3.428	3.422	0.006	92	80575	1.00	1.07	
29 Methylene Chloride	84	3.586	3.580	0.006	92	52643	1.00	1.09	
* 30 t-Butyl alcohol-d10 (IS)	65	3.611	3.629	-0.018	99	70537	50.0	50.0	M
31 2-Methyl-2-propanol	59	3.714	3.720	-0.006	69	19143	20.0	23.1	
32 Acrylonitrile	53	3.916	3.879	0.037	22	13084	2.50	2.36	
33 Methyl tert-butyl ether	73	3.928	3.928	0.000	82	101798	1.00	1.05	
34 trans-1,2-Dichloroethene	96	3.940	3.934	0.006	99	54392	1.00	1.06	
35 Hexane	57	4.336	4.330	0.006	92	75867	1.00	1.14	
37 1,1-Dichloroethane	63	4.562	4.562	0.000	96	100480	1.00	1.09	M
38 Isopropyl ether	45	4.635	4.635	0.000	93	155041	1.00	1.07	
39 2-Chloro-1,3-butadiene	53	4.684	4.678	0.006	91	76102	1.00	1.07	

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	5.178	5.190	-0.012	98	137170	1.00	1.07	
41 2-Butanone (MEK)	43	5.415	5.391	0.024	99	76383	10.0	11.0	
42 cis-1,2-Dichloroethene	96	5.421	5.421	0.000	84	60132	1.00	1.08	
43 2,2-Dichloropropane	77	5.428	5.440	-0.012	66	84869	1.00	1.08	a
45 Propionitrile	54	5.501	5.488	0.013	97	32020	20.0	19.5	M
48 Methacrylonitrile	67	5.708	5.702	0.006	91	82535	10.0	11.0	
49 Chlorobromomethane	128	5.763	5.757	0.006	93	23499	1.00	1.12	M
50 Tetrahydrofuran	71	5.781	5.781	0.000	78	11210	5.00	5.65	
51 Chloroform	83	5.921	5.921	0.000	93	98445	1.00	1.08	
53 1,1,1-Trichloroethane	97	6.141	6.141	0.000	45	87414	1.00	1.09	
\$ 52 Dibromofluoromethane (Surr)	113	6.141	6.141	0.000	93	457423	10.0	10.1	
S 47 1,2-Dichloroethene, Total	100				0			2.14	
54 Cyclohexane	56	6.244	6.244	0.000	89	89108	1.00	1.11	
55 Carbon tetrachloride	117	6.360	6.360	0.000	96	75268	1.00	1.09	
56 1,1-Dichloropropene	75	6.366	6.366	0.000	97	78123	1.00	1.09	
58 Isobutyl alcohol	41	6.610	6.567	0.043	31	17367	50.0	49.6	M
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.592	6.592	0.000	70	87076	10.0	10.0	
60 Benzene	78	6.628	6.628	0.000	92	237860	1.00	1.11	M
61 1,2-Dichloroethane	62	6.696	6.702	-0.006	97	53515	1.00	1.09	
63 Tert-amyl methyl ether	73	6.842	6.842	0.000	99	110626	1.00	1.04	
* 64 Fluorobenzene (IS)	96	7.043	7.049	-0.006	99	1927527	10.0	10.0	
65 n-Heptane	43	7.074	7.073	0.001	94	75912	1.00	1.16	M
67 n-Butanol	56	7.537	7.482	0.055	25	14226	87.5	86.1	
68 Trichloroethene	95	7.537	7.537	0.000	99	60246	1.00	1.10	
69 Methylcyclohexane	83	7.842	7.842	0.000	90	94088	1.00	1.12	
70 1,2-Dichloropropane	63	7.866	7.872	-0.006	97	56348	1.00	1.09	
71 2-ethoxy-2-methyl butane	87	7.903	7.909	-0.006	94	79355	1.00	1.06	
73 1,4-Dioxane	88	7.994	7.976	0.018	31	3051	50.0	33.8	M
74 Dibromomethane	93	7.988	7.982	0.006	97	23103	1.00	1.09	
72 Methyl methacrylate	69	7.994	7.988	0.006	87	14655	1.00	1.03	
76 Dichlorobromomethane	83	8.232	8.232	0.000	98	61960	1.00	1.04	
77 2-Nitropropane	41	8.518	8.512	0.006	98	21818	5.00	5.03	
79 1-Bromo-2-chloroethane	63	8.622	8.622	0.000	99	46498	1.00	1.04	
81 cis-1,3-Dichloropropene	75	8.805	8.799	0.006	96	77165	1.00	1.06	
82 4-Methyl-2-pentanone (MIBK)	43	9.012	9.006	0.006	97	189139	10.0	10.5	
\$ 83 Toluene-d8 (Surr)	98	9.134	9.140	-0.006	93	1946099	10.0	10.0	
84 Toluene	92	9.219	9.225	-0.006	98	147967	1.00	1.10	
85 trans-1,3-Dichloropropene	75	9.524	9.518	0.006	91	57396	1.00	1.02	
86 Ethyl methacrylate	69	9.616	9.609	0.007	89	32170	1.00	0.9428	
107 1,1,2-Trichloroethane	97	9.738	9.737	0.001	92	33186	1.00	1.06	
108 Tetrachloroethene	166	9.829	9.823	0.006	96	65358	1.00	1.07	
109 1,3-Dichloropropane	76	9.908	9.908	0.000	89	57306	1.00	1.06	
110 2-Hexanone	43	9.994	9.987	0.007	97	124705	10.0	10.0	
S 106 1,3-Dichloropropene, Total	100				0			2.08	
112 Chlorodibromomethane	129	10.134	10.134	0.000	89	40257	1.00	1.06	
113 Ethylene Dibromide	107	10.250	10.243	0.007	98	29644	1.00	1.07	
* 114 Chlorobenzene-d5 (IS)	117	10.707	10.707	0.000	86	1402135	10.0	10.0	
116 Chlorobenzene	112	10.731	10.731	0.000	96	165351	1.00	1.09	
115 1-Chlorohexane	91	10.731	10.731	0.000	95	76521	1.00	1.05	
117 1,1,1,2-Tetrachloroethane	131	10.823	10.823	0.000	95	53055	1.00	1.08	
118 Ethylbenzene	91	10.829	10.829	0.000	99	281463	1.00	1.07	
120 m-Xylene & p-Xylene	106	10.951	10.951	0.000	100	217619	2.00	2.15	

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			3.23	
121 o-Xylene	106	11.292	11.292	0.000	96	104838	1.00	1.08	
122 Styrene	104	11.311	11.310	0.000	95	153403	1.00	1.04	
123 Bromoform	173	11.463	11.463	0.000	95	20481	1.00	1.04	
124 Isopropylbenzene	105	11.603	11.603	0.000	96	243585	1.00	1.07	
\$ 127 4-Bromofluorobenzene (Surr)	95	11.743	11.743	0.000	89	673609	10.0	10.0	
128 1,1,2,2-Tetrachloroethane	83	11.859	11.859	0.000	88	37217	1.00	1.06	
129 Bromobenzene	156	11.859	11.859	0.000	92	62293	1.00	1.06	
130 trans-1,4-Dichloro-2-butene	53	11.884	11.883	0.001	92	83727	10.0	11.0	
131 1,2,3-Trichloropropane	110	11.902	11.902	0.000	77	10160	1.00	1.09	
132 N-Propylbenzene	91	11.938	11.938	0.000	99	341766	1.00	1.08	
133 2-Chlorotoluene	126	12.012	12.011	0.001	96	66460	1.00	1.06	
134 1,3,5-Trimethylbenzene	105	12.085	12.085	0.000	93	242188	1.00	1.09	
135 4-Chlorotoluene	126	12.109	12.103	0.006	97	70610	1.00	1.09	
136 tert-Butylbenzene	134	12.323	12.322	0.000	93	51481	1.00	1.07	
137 Pentachloroethane	167	12.353	12.353	0.000	79	34802	1.00	1.05	
138 1,2,4-Trimethylbenzene	105	12.371	12.365	0.006	97	244208	1.00	1.07	
139 sec-Butylbenzene	105	12.493	12.487	0.006	94	309017	1.00	1.07	
140 1,3-Dichlorobenzene	146	12.585	12.585	0.001	98	134749	1.00	1.08	
141 4-Isopropyltoluene	119	12.603	12.603	0.000	97	261939	1.00	1.06	
* 142 1,4-Dichlorobenzene-d4	152	12.640	12.639	0.001	96	755480	10.0	10.0	
143 1,4-Dichlorobenzene	146	12.658	12.658	0.000	94	139934	1.00	1.10	
144 1,2,3-Trimethylbenzene	120	12.676	12.676	0.000	98	105239	1.00	1.08	
145 Benzyl chloride	126	12.743	12.737	0.006	98	15322	1.00	1.08	a
146 p-Diethylbenzene	119	12.877	12.877	0.000	96	161679	1.00	1.06	
147 n-Butylbenzene	92	12.896	12.895	0.001	97	134904	1.00	1.07	
148 1,2-Dichlorobenzene	146	12.920	12.920	0.000	98	119001	1.00	1.10	
150 1,2-Dibromo-3-Chloropropane	155	13.463	13.462	0.001	83	4070	1.00	1.07	
151 1,3,5-Trichlorobenzene	180	13.591	13.590	0.001	98	106485	1.00	1.08	
152 1,2,4-Trichlorobenzene	180	14.017	14.011	0.006	95	80461	1.00	1.03	
153 Hexachlorobutadiene	225	14.103	14.103	0.001	98	44935	1.00	1.05	
154 Naphthalene	128	14.194	14.188	0.006	97	105429	1.00	1.01	
155 1,2,3-Trichlorobenzene	180	14.334	14.334	0.000	95	63634	1.00	1.04	
156 2-Methylnaphthalene	142	14.920	14.919	0.001	91	45417	1.00	0.9752	
167 Pentane	43	2.769	2.769	0.000	40	4185	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_LL_#1_826_00155	Amount Added: 2.00	Units: uL	
MSV_LL_#2_826_00163	Amount Added: 2.00	Units: uL	
MSV_LL_GAS826_00247	Amount Added: 2.00	Units: uL	
MSV_29_826ISS_00057	Amount Added: 1.20	Units: uL	Run Reagent

Report Date: 09-Dec-2024 09:42:15

Chrom Revision: 2.3 12-Nov-2024 16:55:22

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X14.D

Injection Date: 03-Dec-2024 16:50:30

Instrument ID: 16334

Operator ID: knk41612

Lims ID: IC std3

Worklist Smp#: 15

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

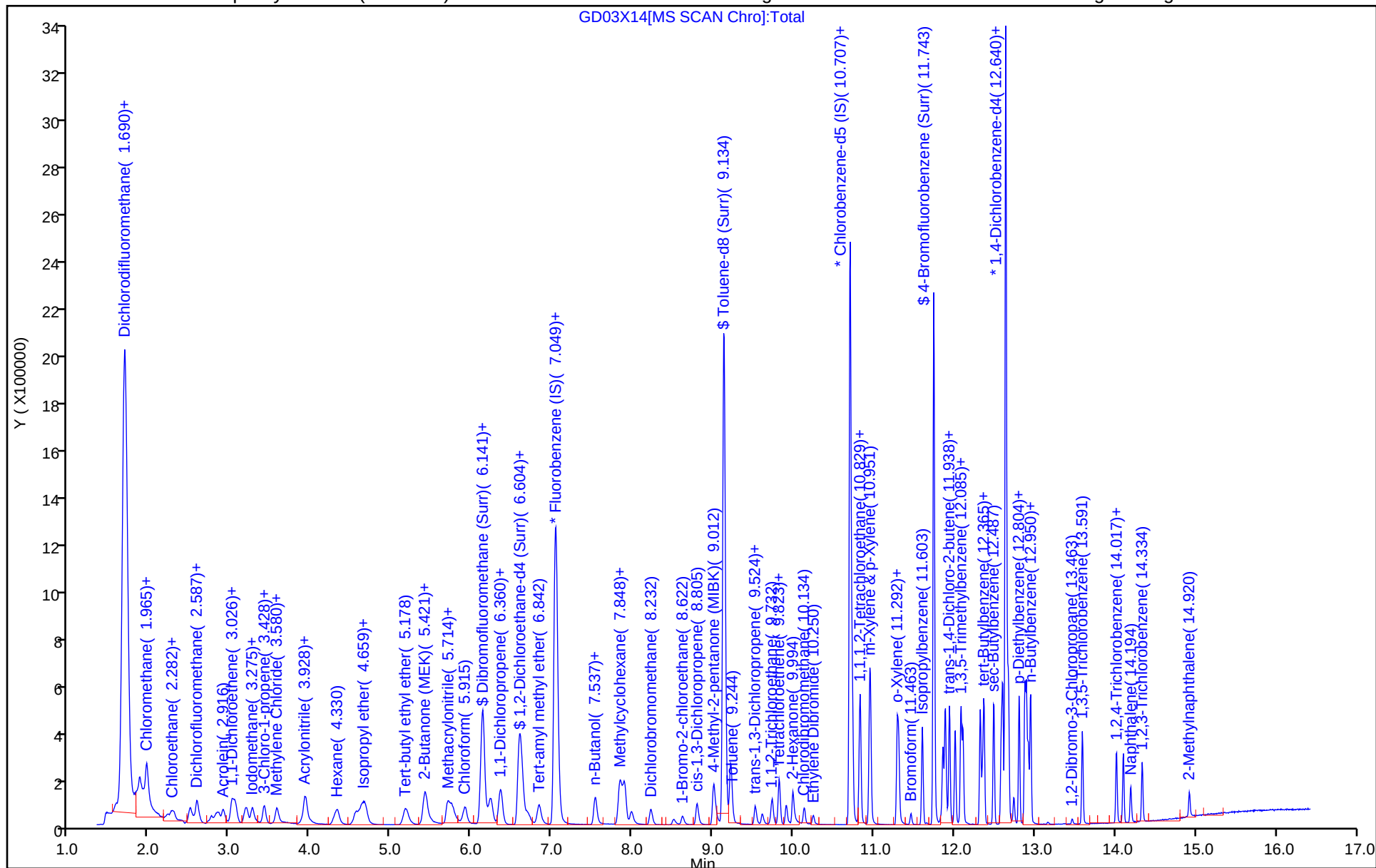
ALS Bottle#: 4

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

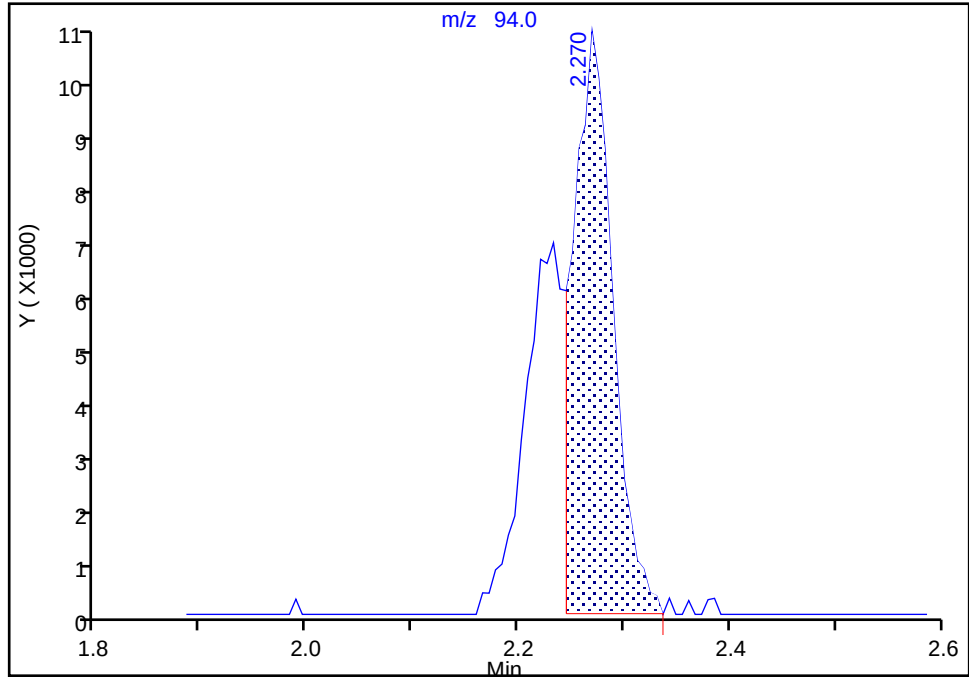
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Injection Date: 03-Dec-2024 16:50:30 Instrument ID: 16334
Lims ID: IC std3
Client ID:
Operator ID: knk41612 ALS Bottle#: 4 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

9 Bromomethane, CAS: 74-83-9

Signal: 1

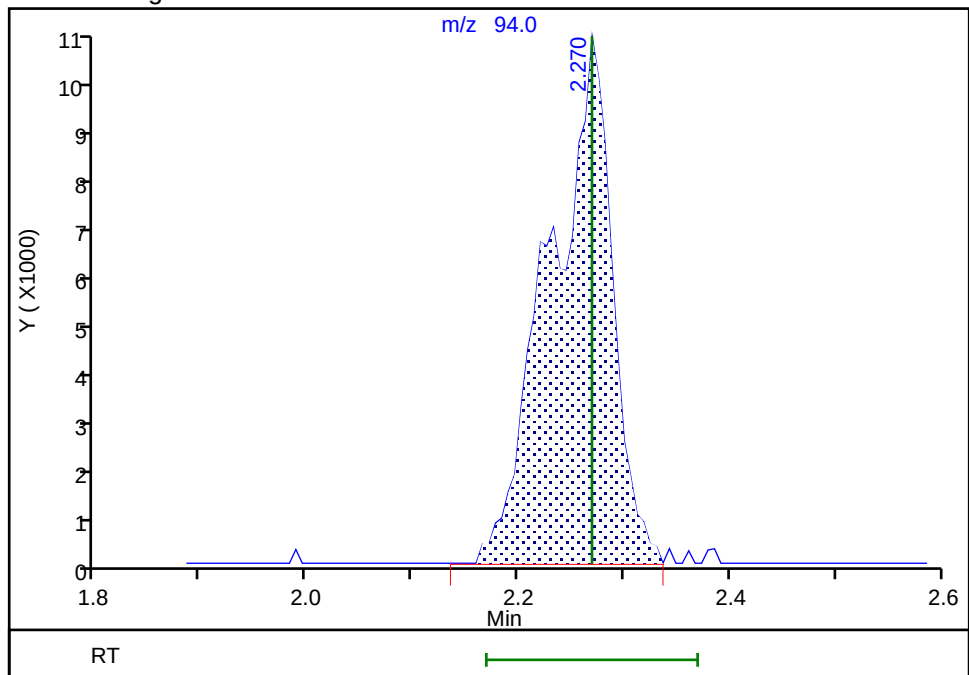
RT: 2.27
Area: 28397
Amount: 0.847332
Amount Units: ug/l

Processing Integration Results



RT: 2.27
Area: 44768
Amount: 1.027354
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-Dec-2024 08:27:37 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

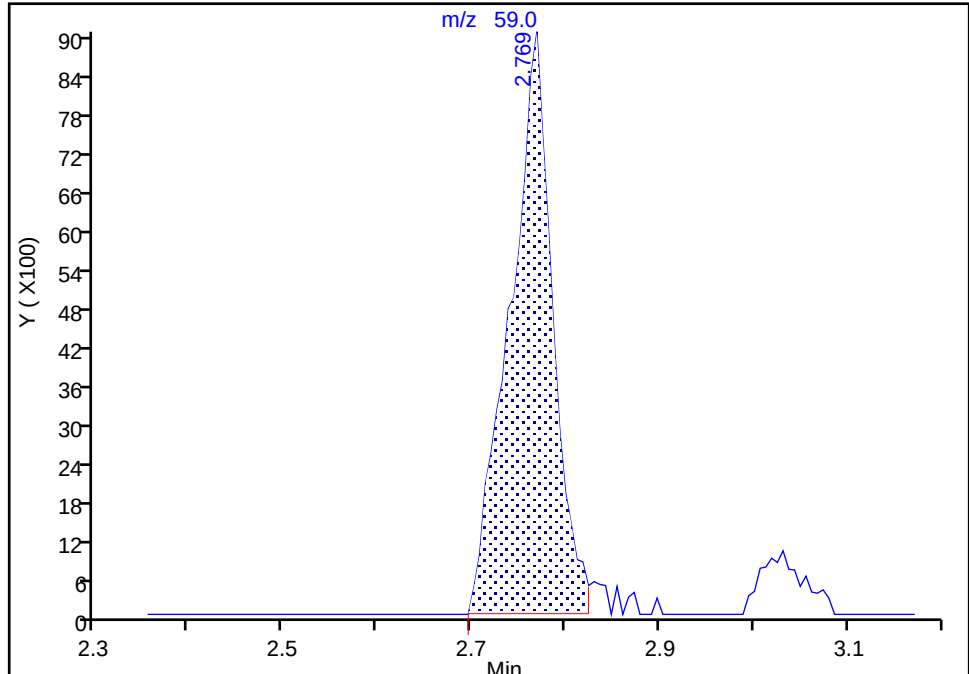
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Injection Date: 03-Dec-2024 16:50:30 Instrument ID: 16334
Lims ID: IC std3
Client ID:
Operator ID: knk41612 ALS Bottle#: 4 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

13 Ethyl ether, CAS: 60-29-7

Signal: 1

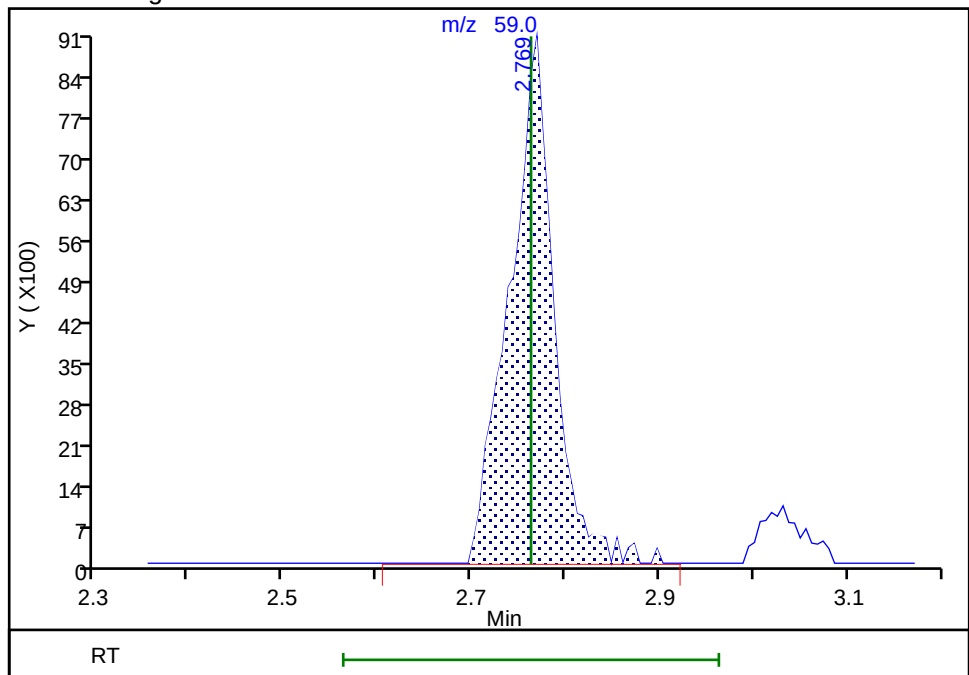
RT: 2.77
Area: 28571
Amount: 1.056503
Amount Units: ug/l

Processing Integration Results



RT: 2.77
Area: 29561
Amount: 1.087424
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 08-Dec-2024 11:14:40 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

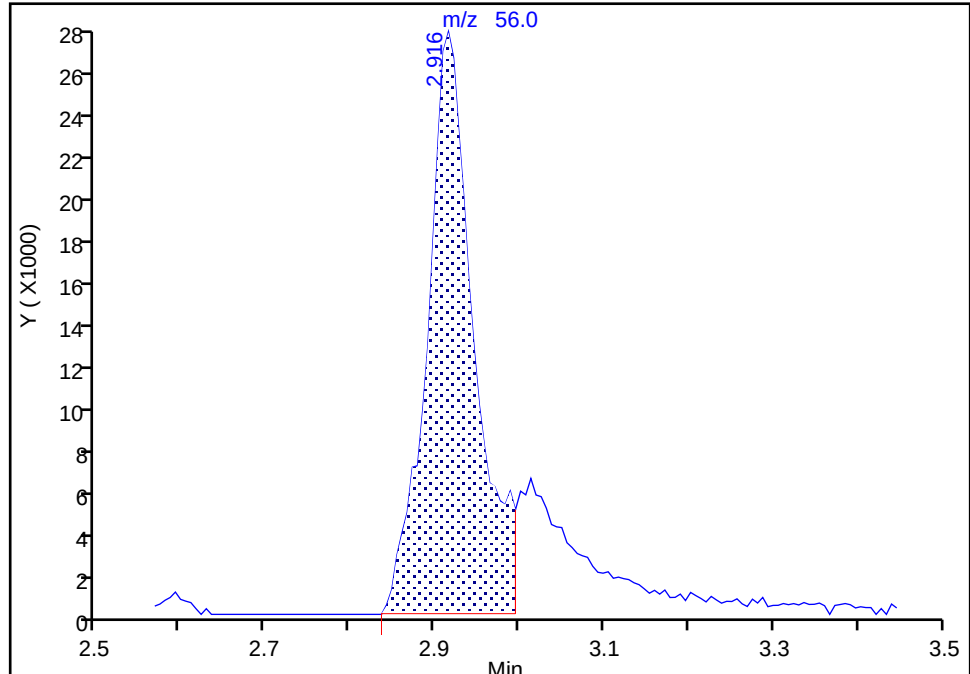
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Injection Date: 03-Dec-2024 16:50:30 Instrument ID: 16334
Lims ID: IC std3
Client ID:
Operator ID: knk41612 ALS Bottle#: 4 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

17 Acrolein, CAS: 107-02-8

Signal: 1

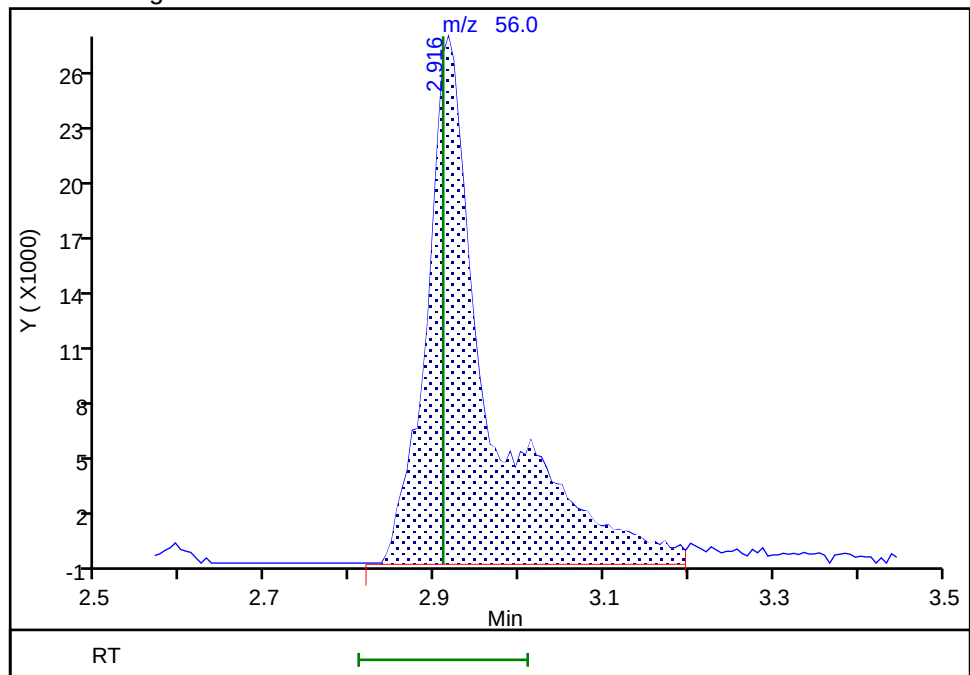
RT: 2.92
Area: 105201
Amount: 40.334869
Amount Units: ug/l

Processing Integration Results



RT: 2.92
Area: 137133
Amount: 48.083538
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-Dec-2024 08:42:16 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

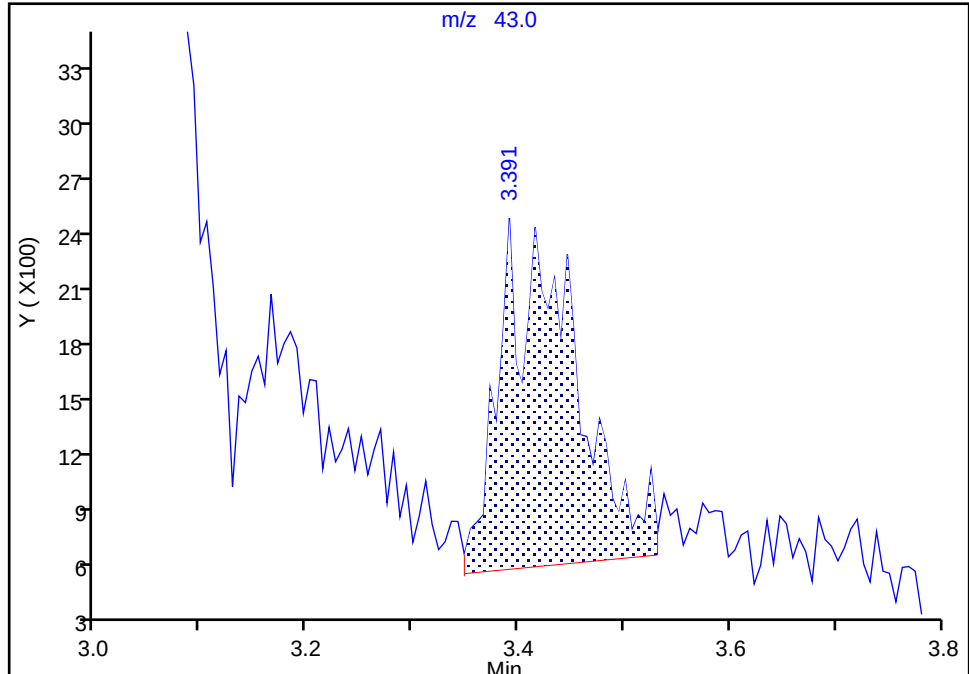
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Injection Date: 03-Dec-2024 16:50:30 Instrument ID: 16334
Lims ID: IC std3
Client ID:
Operator ID: knk41612 ALS Bottle#: 4 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

25 Methyl acetate, CAS: 79-20-9

Signal: 1

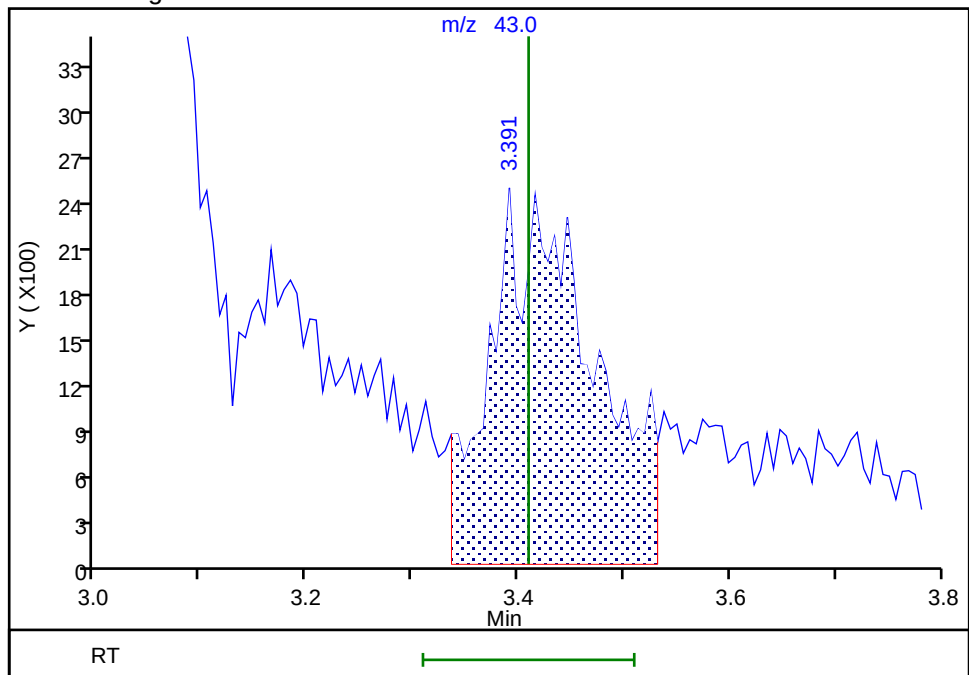
RT: 3.39
Area: 9066
Amount: 0.891993
Amount Units: ug/l

Processing Integration Results



RT: 3.39
Area: 16764
Amount: 0.982126
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 08-Dec-2024 11:32:37 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Shouldering

Eurofins Lancaster Laboratories Environment Testing, LLC

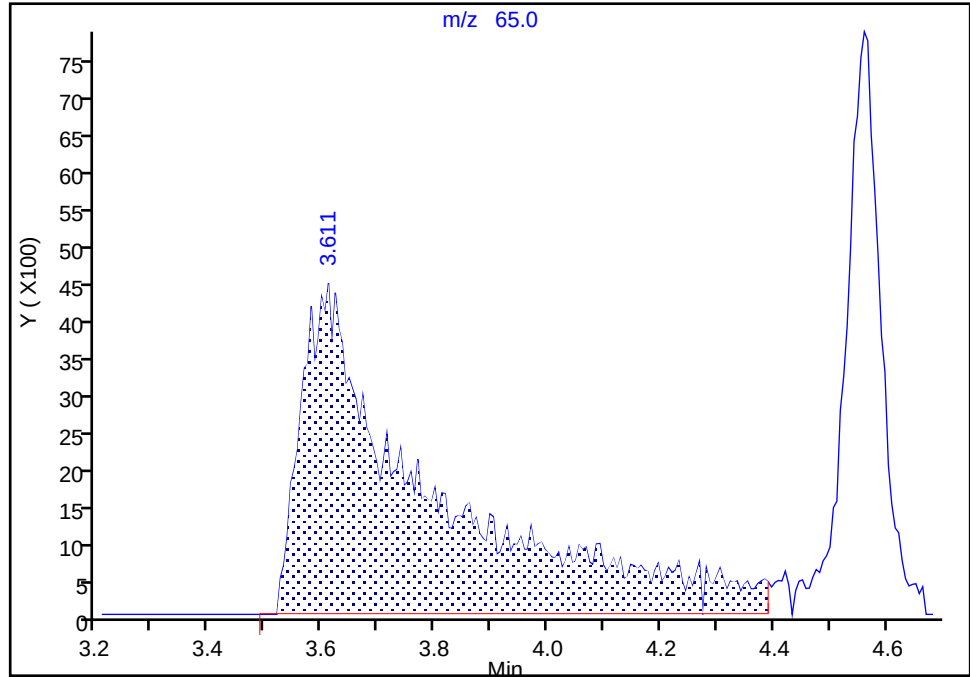
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Injection Date: 03-Dec-2024 16:50:30 Instrument ID: 16334
Lims ID: IC std3
Client ID:
Operator ID: knk41612 ALS Bottle#: 4 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

* 30 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

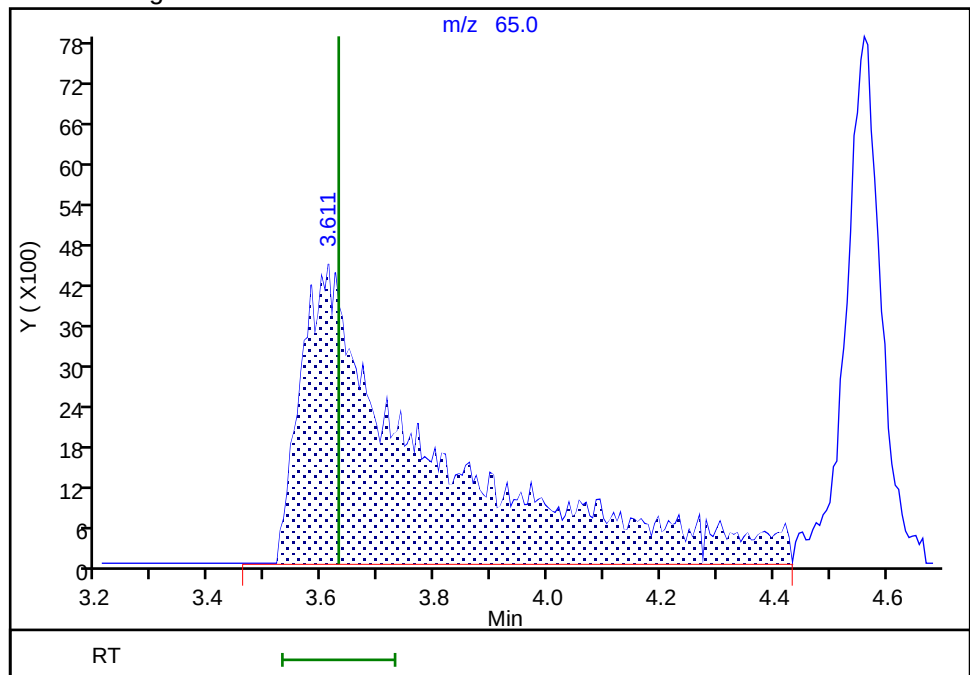
RT: 3.61
Area: 69551
Amount: 49.998300
Amount Units: ug/l

Processing Integration Results



RT: 3.61
Area: 70537
Amount: 49.998300
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-Dec-2024 08:27:51 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

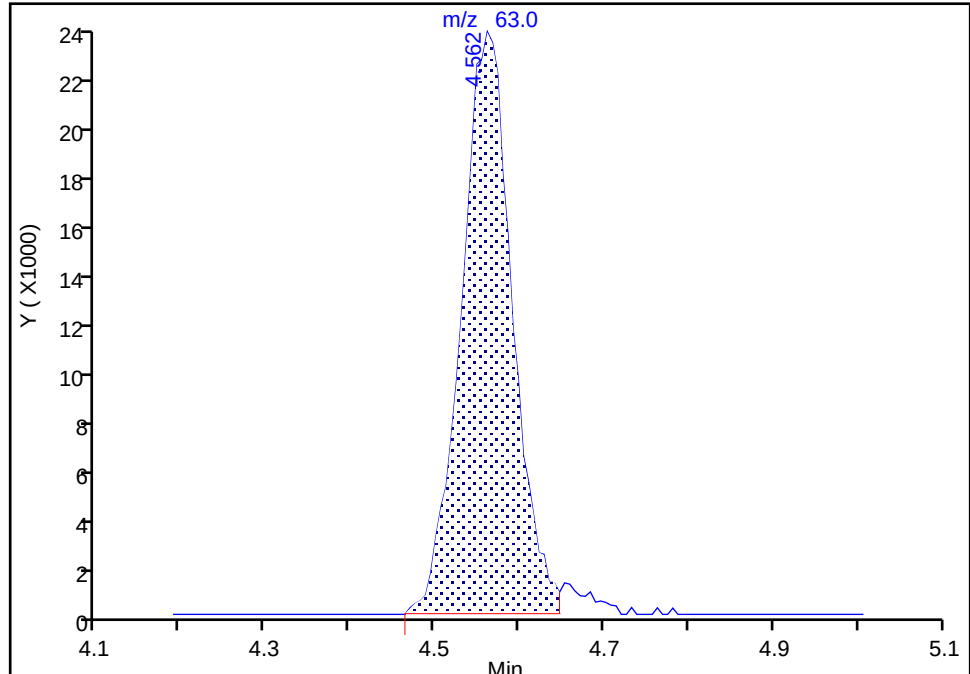
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Injection Date: 03-Dec-2024 16:50:30 Instrument ID: 16334
Lims ID: IC std3
Client ID:
Operator ID: knk41612 ALS Bottle#: 4 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

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

Signal: 1

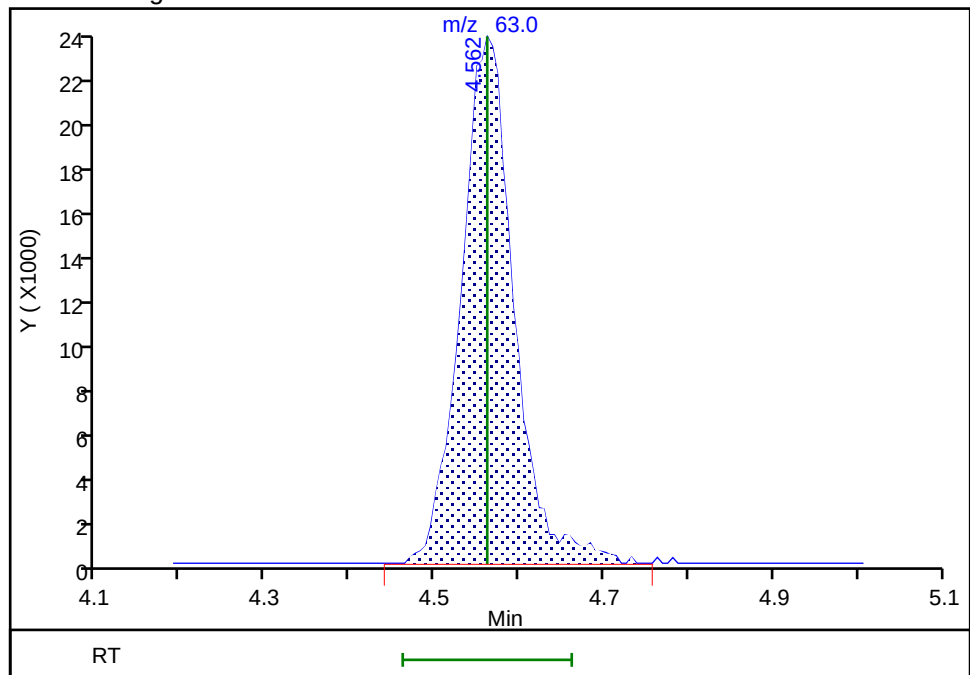
RT: 4.56
Area: 97478
Amount: 1.058013
Amount Units: ug/l

Processing Integration Results



RT: 4.56
Area: 100480
Amount: 1.085543
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 08-Dec-2024 11:14:57 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

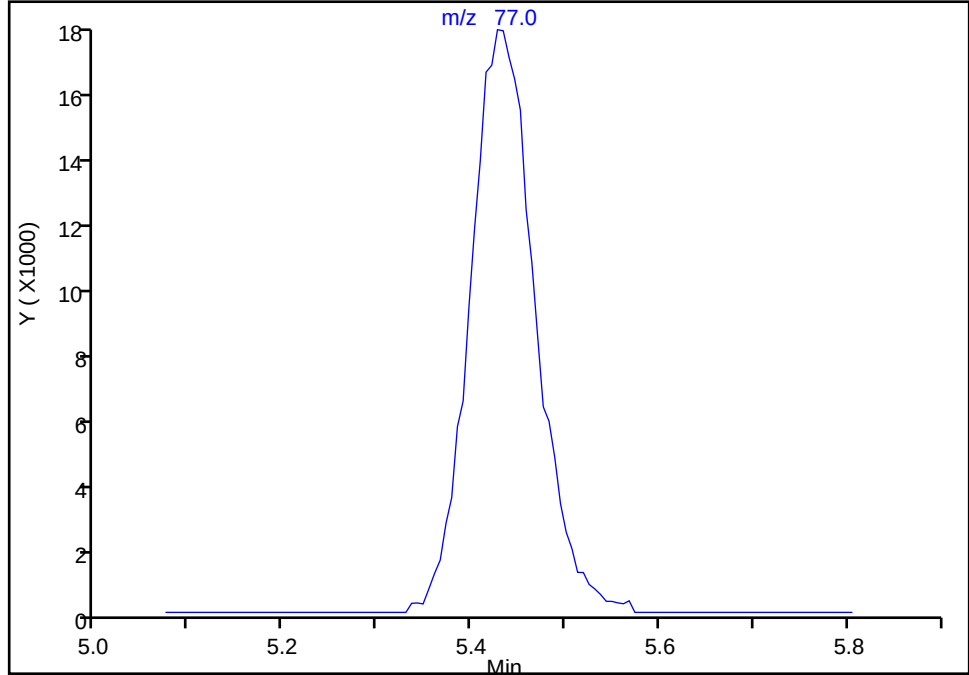
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Injection Date: 03-Dec-2024 16:50:30 Instrument ID: 16334
Lims ID: IC std3
Client ID:
Operator ID: knk41612 ALS Bottle#: 4 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

43 2,2-Dichloropropane, CAS: 594-20-7

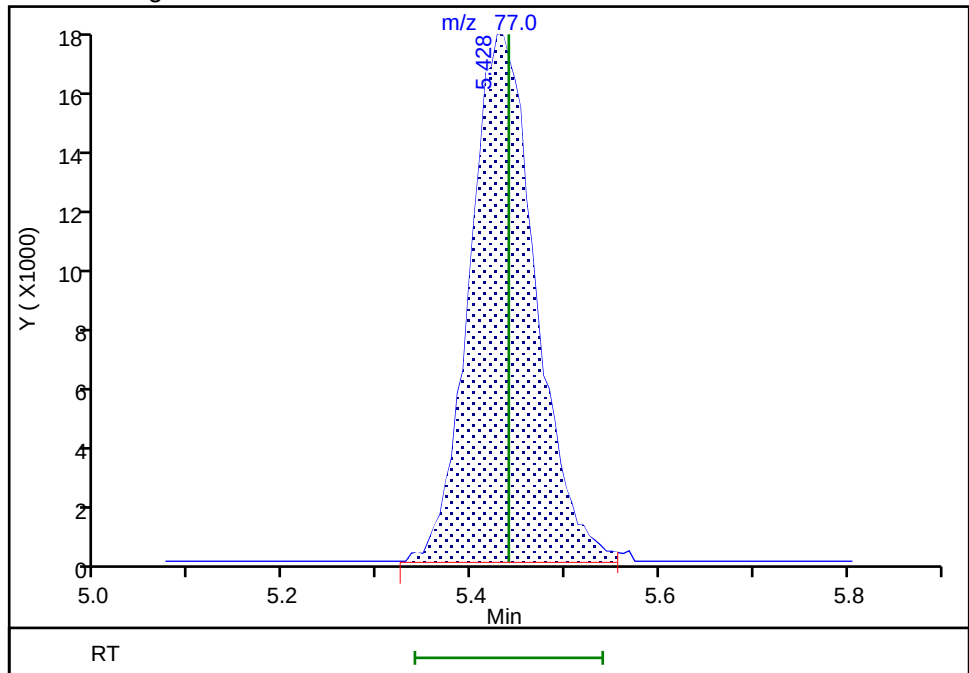
Signal: 1

Not Detected
Expected RT: 5.44

Processing Integration Results



Manual Integration Results



RT: 5.43
Area: 84869
Amount: 1.076993
Amount Units: ug/l

Reviewer: DVW2, 04-Dec-2024 08:12:36 -05:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

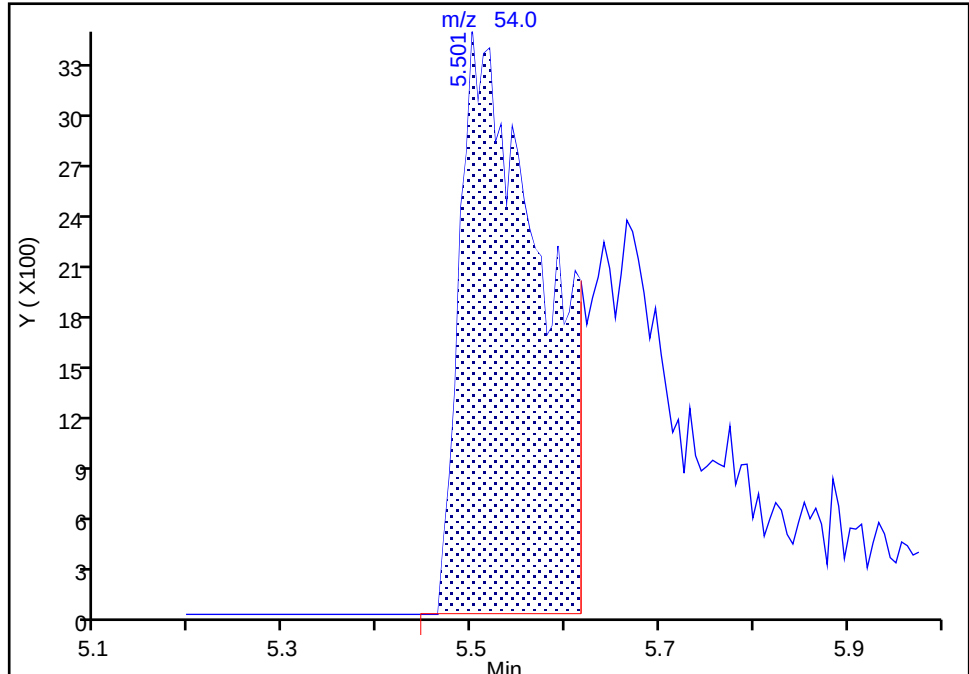
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Injection Date: 03-Dec-2024 16:50:30 Instrument ID: 16334
Lims ID: IC std3
Client ID:
Operator ID: knk41612 ALS Bottle#: 4 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

45 Propionitrile, CAS: 107-12-0

Signal: 1

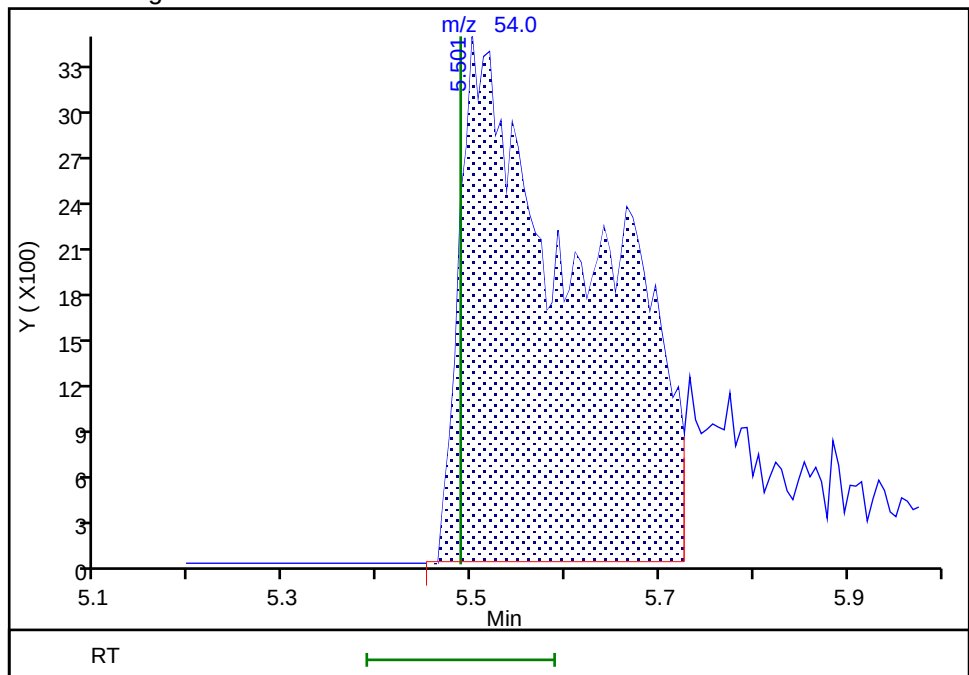
RT: 5.50
Area: 20631
Amount: 15.041442
Amount Units: ug/l

Processing Integration Results



RT: 5.50
Area: 32020
Amount: 19.515408
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-Dec-2024 08:28:08 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

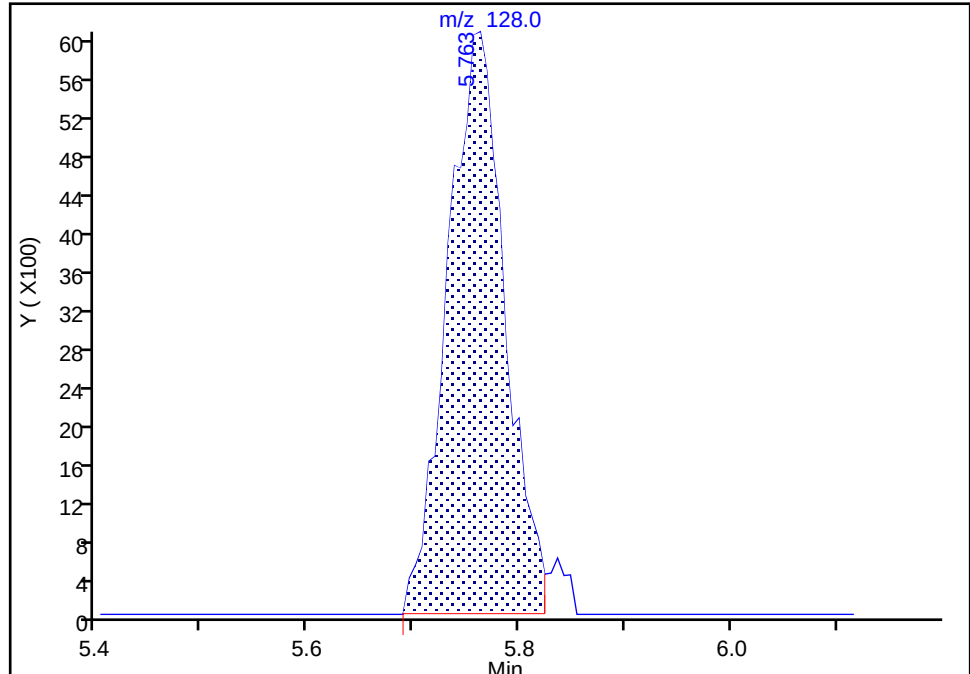
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Injection Date: 03-Dec-2024 16:50:30 Instrument ID: 16334
Lims ID: IC std3
Client ID:
Operator ID: knk41612 ALS Bottle#: 4 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

49 Chlorobromomethane, CAS: 74-97-5

Signal: 1

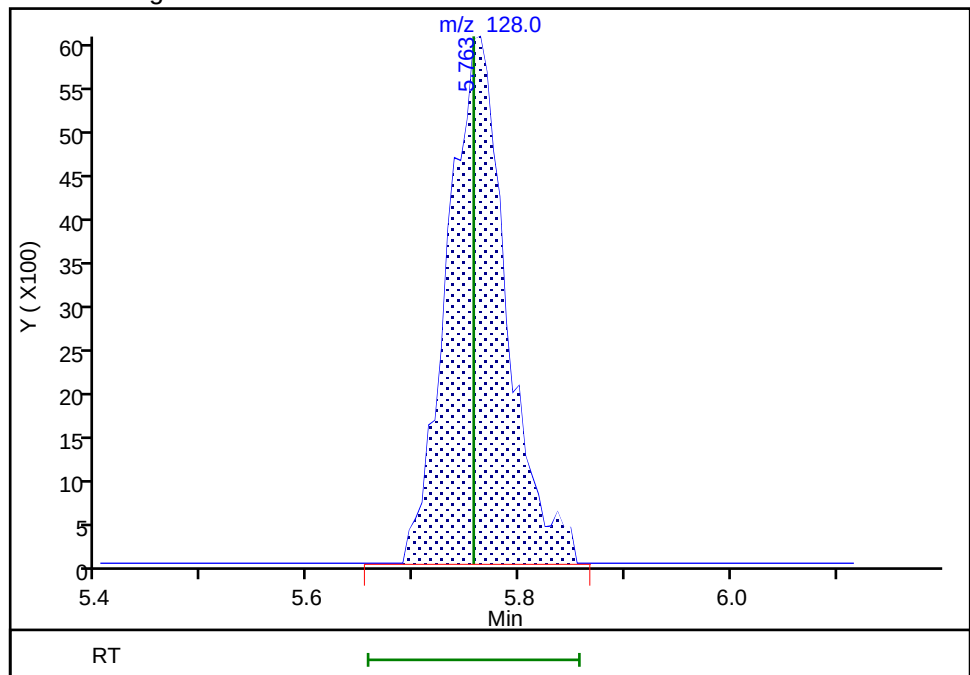
RT: 5.76
Area: 22830
Amount: 1.093836
Amount Units: ug/l

Processing Integration Results



RT: 5.76
Area: 23499
Amount: 1.120757
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 08-Dec-2024 11:15:08 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

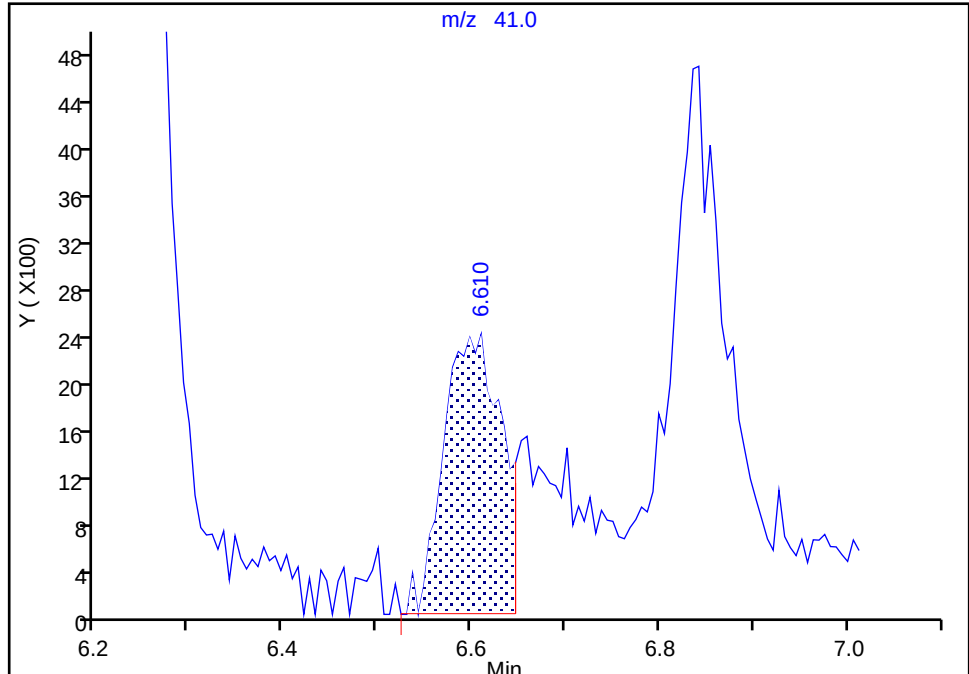
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Lims ID: IC std3
Client ID:
Operator ID: knk41612 ALS Bottle#: 4 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

58 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

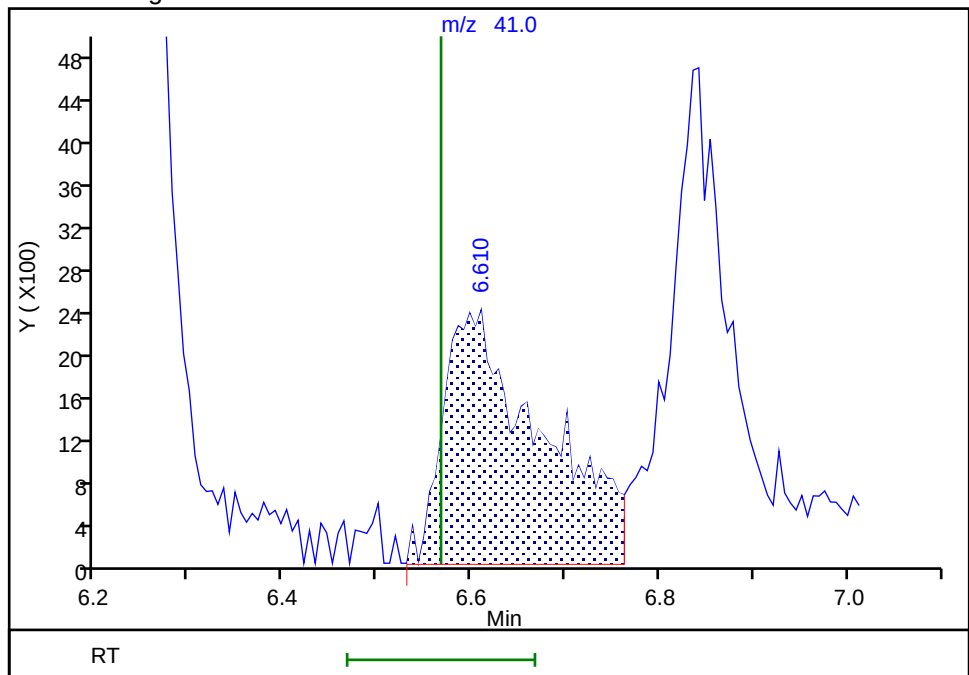
RT: 6.61
Area: 10343
Amount: 31.344592
Amount Units: ug/l

Processing Integration Results



RT: 6.61
Area: 17367
Amount: 49.613515
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-Dec-2024 08:37:51 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

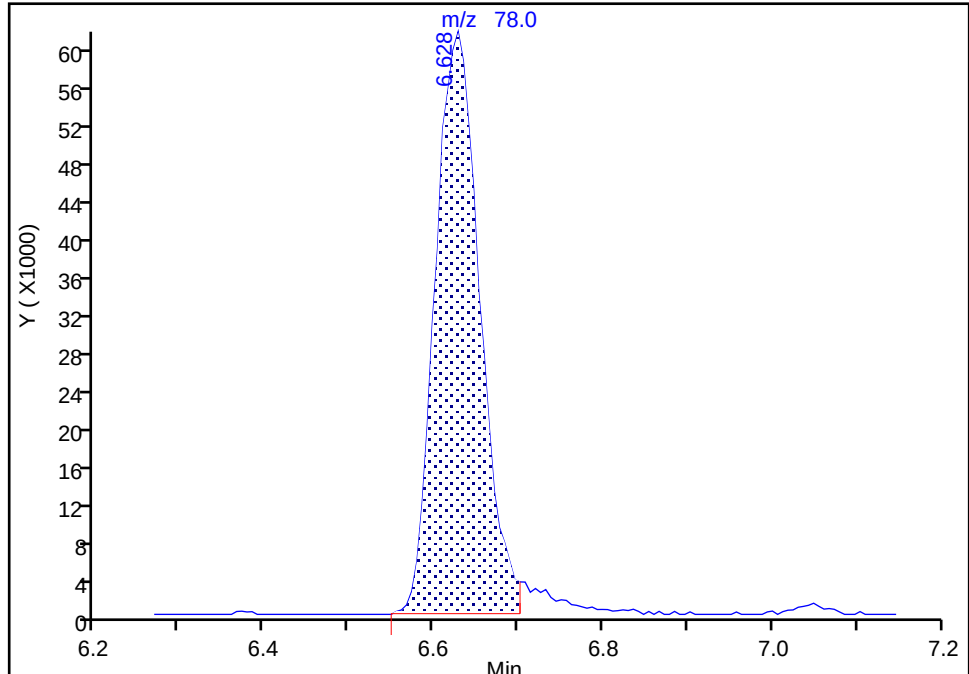
Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X14.D
Injection Date: 03-Dec-2024 16:50:30 Instrument ID: 16334
Lims ID: IC std3
Client ID:
Operator ID: knk41612 ALS Bottle#: 4 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

60 Benzene, CAS: 71-43-2

Signal: 1

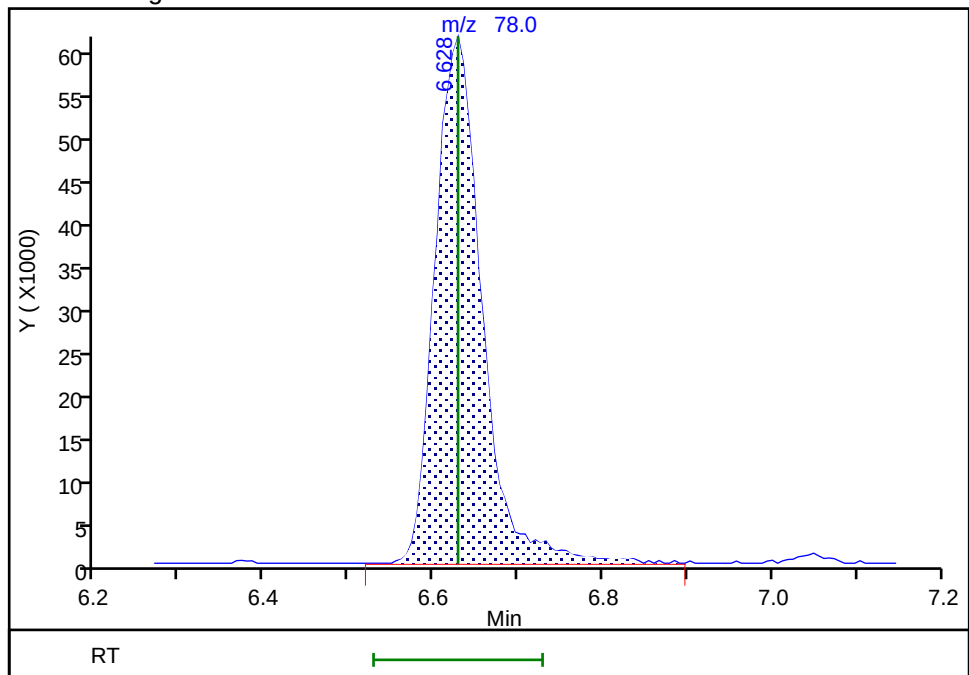
RT: 6.63
Area: 227284
Amount: 1.069740
Amount Units: ug/l

Processing Integration Results



RT: 6.63
Area: 237860
Amount: 1.111612
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 08-Dec-2024 11:15:20 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

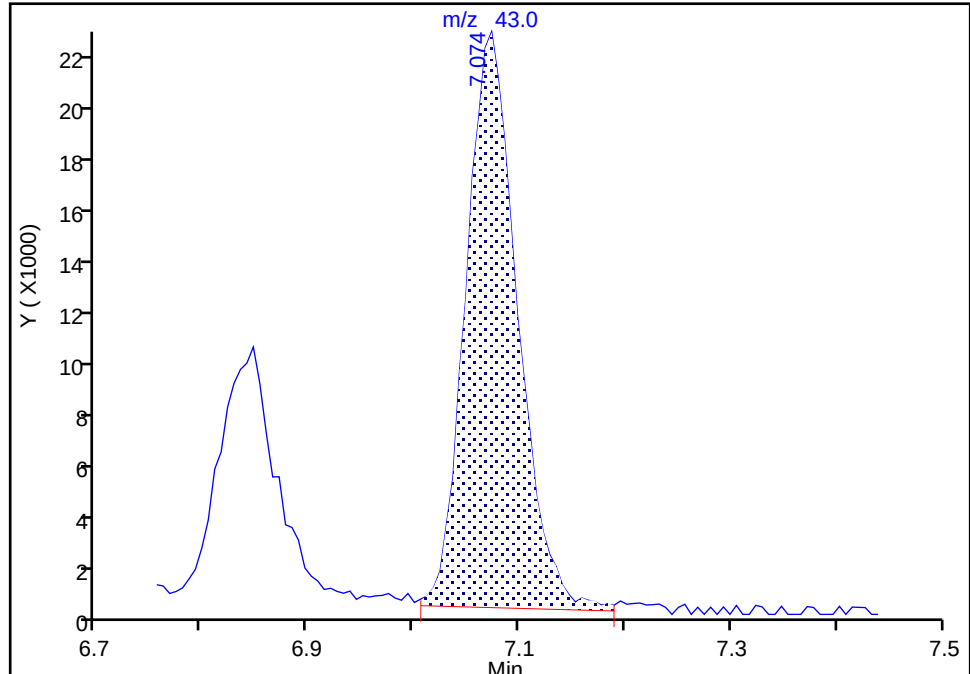
Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X14.D
Injection Date: 03-Dec-2024 16:50:30 Instrument ID: 16334
Lims ID: IC std3
Client ID:
Operator ID: knk41612 ALS Bottle#: 4 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm i.d.) Detector: MS Quad

65 n-Heptane, CAS: 142-82-5

Signal: 1

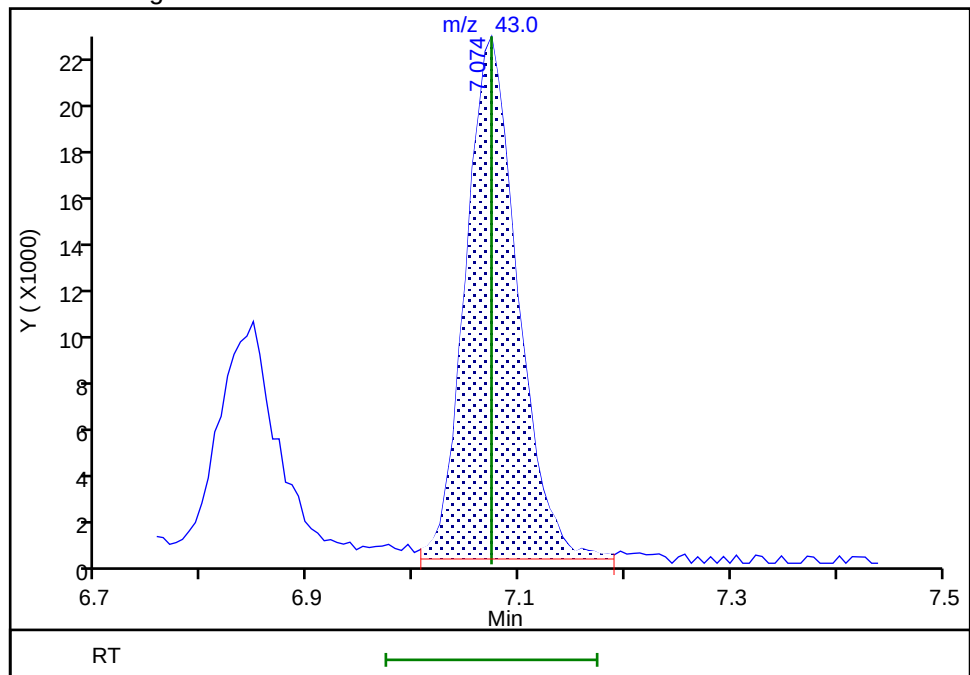
RT: 7.07
Area: 75441
Amount: 1.151686
Amount Units: ug/l

Processing Integration Results



RT: 7.07
Area: 75912
Amount: 1.157687
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 08-Dec-2024 11:15:47 -05:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Baseline

Eurofins Lancaster Laboratories Environment Testing, LLC

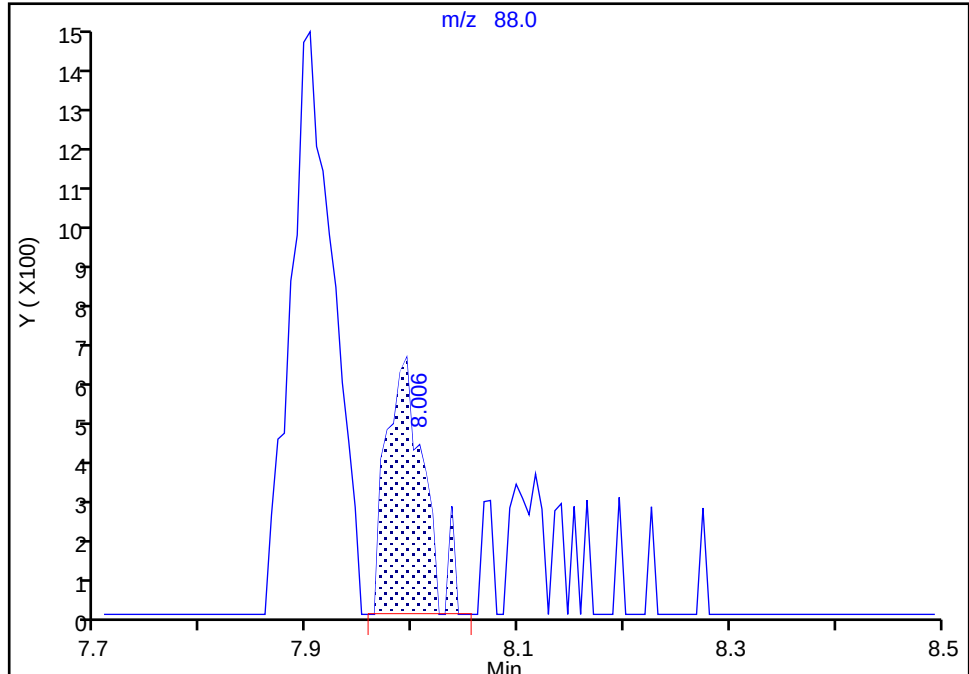
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Injection Date: 03-Dec-2024 16:50:30 Instrument ID: 16334
Lims ID: IC std3
Client ID:
Operator ID: knk41612 ALS Bottle#: 4 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

73 1,4-Dioxane, CAS: 123-91-1

Signal: 1

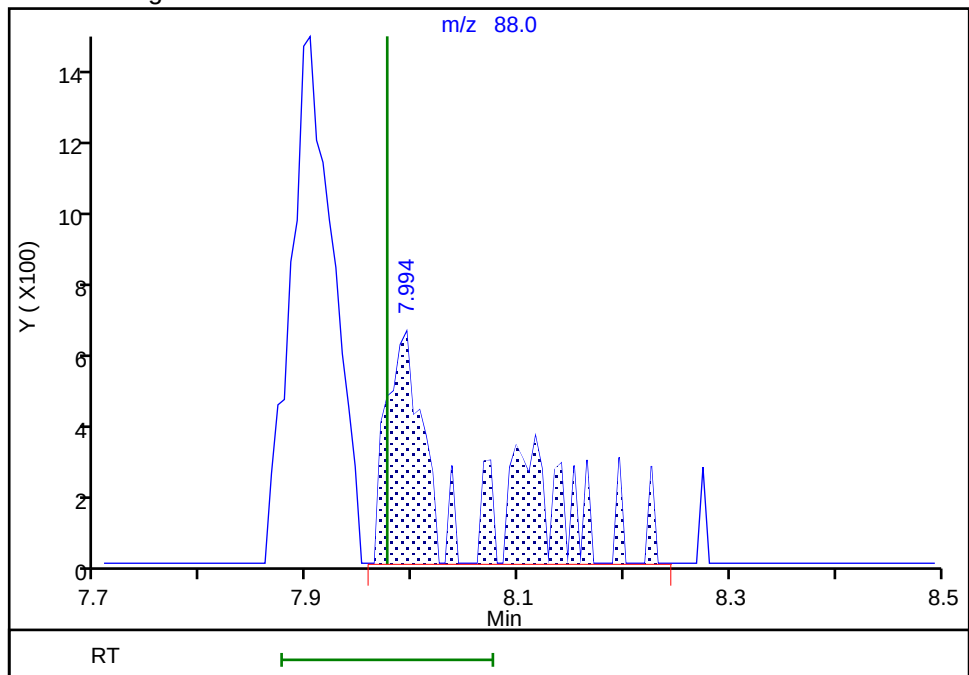
RT: 8.01
Area: 1584
Amount: 35.446021
Amount Units: ug/l

Processing Integration Results



RT: 7.99
Area: 3051
Amount: 33.834378
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-Dec-2024 08:28:24 -05:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

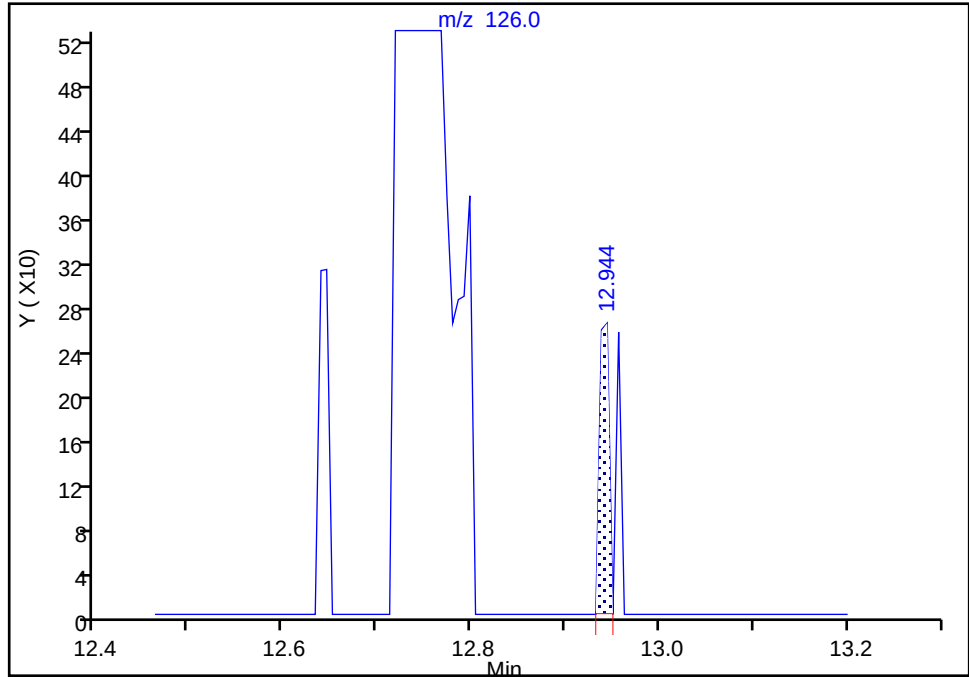
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Injection Date: 03-Dec-2024 16:50:30 Instrument ID: 16334
Lims ID: IC std3
Client ID:
Operator ID: knk41612 ALS Bottle#: 4 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

145 Benzyl chloride, CAS: 100-44-7

Signal: 1

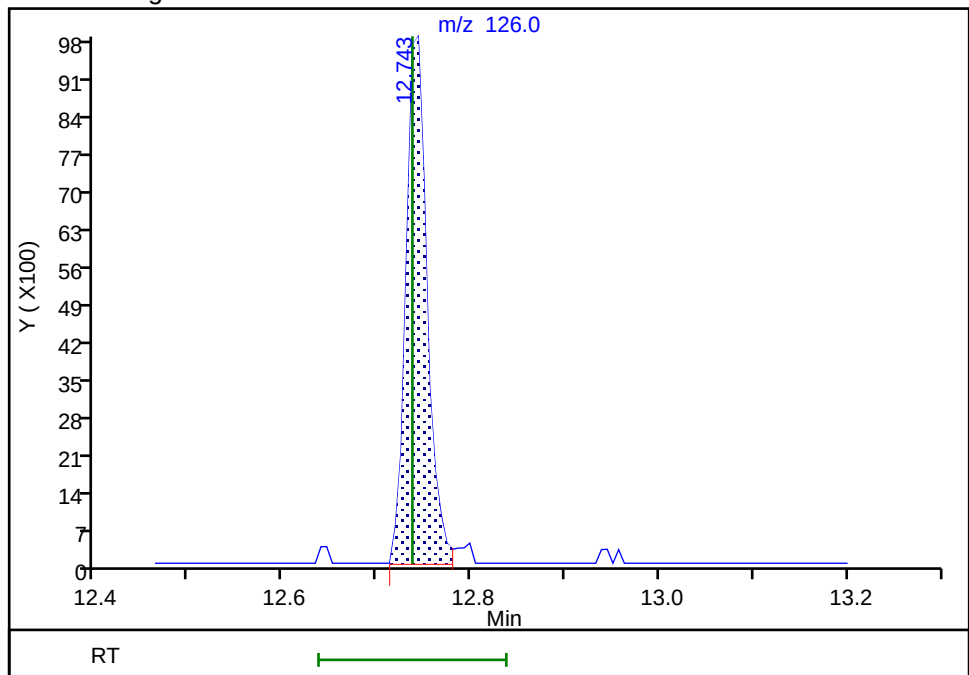
RT: 12.94
Area: 189
Amount: 0.713118
Amount Units: ug/l

Processing Integration Results



RT: 12.74
Area: 15322
Amount: 1.079485
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-Dec-2024 08:11:30 -05:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X15.D
 Lims ID: IC std4
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 03-Dec-2024 17:12:30 ALS Bottle#: 5 Worklist Smp#: 16
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0132221-016
 Misc. Info.: IC STD4
 Operator ID: knk41612 Instrument ID: 16334
 Sublist: chrom-MSV_16334_25mL*sub4
 Method: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\MSV_16334_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 09-Dec-2024 09:42:22 Calib Date: 03-Dec-2024 18:18:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1610

First Level Reviewer: DVW2

Date: 04-Dec-2024 08:11:22

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.709	1.709	0.000	99	137378	2.00	2.04	
5 Chloromethane	50	1.879	1.879	0.000	99	150363	2.00	1.86	
7 Butadiene	39	1.965	1.965	0.000	90	140482	2.00	1.89	
6 Vinyl chloride	62	1.983	1.983	0.000	98	141703	2.00	1.94	
9 Bromomethane	94	2.276	2.276	0.000	93	91161	2.00	1.92	M
10 Chloroethane	64	2.306	2.306	0.000	100	70306	2.00	1.90	
11 Dichlorofluoromethane	67	2.507	2.507	0.000	97	195557	2.00	1.89	
12 Trichlorofluoromethane	101	2.599	2.599	0.000	69	159954	2.00	1.97	
13 Ethyl ether	59	2.769	2.769	0.000	92	55287	2.00	1.86	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	2.843	2.843	0.000	92	115136	2.00	1.88	
17 Acrolein	56	2.916	2.916	0.000	99	267267	97.6	80.3	M
18 1,1-Dichloroethene	96	3.032	3.032	0.000	97	83145	2.00	1.75	
19 Acetone	43	3.062	3.062	0.000	51	81896	20.0	17.3	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.068	3.068	0.000	93	94445	2.00	1.89	
21 Isopropyl alcohol	45	3.196	3.196	0.000	26	20179	40.0	37.7	M
22 Iodomethane	142	3.190	3.190	0.000	99	164518	2.00	1.79	
23 Ethyl bromide	108	3.214	3.214	0.000	98	82800	2.00	1.98	
24 Carbon disulfide	76	3.282	3.282	0.000	99	314180	2.00	1.80	
25 Methyl acetate	43	3.422	3.422	0.000	23	34355	2.00	1.72	M
27 3-Chloro-1-propene	41	3.422	3.422	0.000	93	144711	2.00	1.75	
29 Methylene Chloride	84	3.580	3.580	0.000	91	93343	2.00	1.78	
* 30 t-Butyl alcohol-d10 (IS)	65	3.635	3.635	0.000	99	82323	50.0	50.0	M
31 2-Methyl-2-propanol	59	3.714	3.714	0.000	82	35274	40.0	36.5	
32 Acrylonitrile	53	3.909	3.909	0.000	33	27235	5.00	4.21	M
33 Methyl tert-butyl ether	73	3.940	3.940	0.000	94	187942	2.00	1.77	
34 trans-1,2-Dichloroethene	96	3.934	3.934	0.000	98	99262	2.00	1.78	
35 Hexane	57	4.336	4.336	0.000	93	135673	2.00	1.86	
37 1,1-Dichloroethane	63	4.562	4.562	0.000	96	182173	2.00	1.80	
38 Isopropyl ether	45	4.641	4.641	0.000	93	282318	2.00	1.78	
39 2-Chloro-1,3-butadiene	53	4.684	4.684	0.000	91	137210	2.00	1.77	

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	5.184	5.184	0.000	97	244342	2.00	1.75	
41 2-Butanone (MEK)	43	5.403	5.403	0.000	100	140109	20.0	17.3	
42 cis-1,2-Dichloroethene	96	5.421	5.421	0.000	82	109432	2.00	1.79	
43 2,2-Dichloropropane	77	5.427	5.427	0.000	86	153705	2.00	1.79	a
45 Propionitrile	54	5.501	5.501	0.000	97	69444	40.0	32.6	M
48 Methacrylonitrile	67	5.696	5.696	0.000	90	164485	20.0	18.8	
49 Chlorobromomethane	128	5.763	5.763	0.000	94	42653	2.00	1.86	
50 Tetrahydrofuran	71	5.769	5.769	0.000	89	19610	10.0	8.47	
51 Chloroform	83	5.927	5.927	0.000	93	176770	2.00	1.78	
53 1,1,1-Trichloroethane	97	6.141	6.141	0.000	69	156008	2.00	1.78	
\$ 52 Dibromofluoromethane (Surr)	113	6.141	6.141	0.000	93	496451	10.0	10.0	
S 47 1,2-Dichloroethene, Total	100				0			3.57	
54 Cyclohexane	56	6.238	6.238	0.000	91	160495	2.00	1.83	
55 Carbon tetrachloride	117	6.354	6.354	0.000	96	133989	2.00	1.78	
56 1,1-Dichloropropene	75	6.366	6.366	0.000	97	137040	2.00	1.75	
58 Isobutyl alcohol	41	6.592	6.592	0.000	32	32401	100.0	84.7	M
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.598	6.598	0.000	84	95195	10.0	10.0	
60 Benzene	78	6.628	6.628	0.000	95	409760	2.00	1.75	
61 1,2-Dichloroethane	62	6.702	6.702	0.000	97	94042	2.00	1.76	
63 Tert-amyl methyl ether	73	6.842	6.842	0.000	99	205886	2.00	1.77	
* 64 Fluorobenzene (IS)	96	7.049	7.049	0.000	99	2105483	10.0	10.0	
65 n-Heptane	43	7.073	7.073	0.000	91	134127	2.00	1.87	
67 n-Butanol	56	7.512	7.512	0.000	90	33736	175.0	136.8	
68 Trichloroethene	95	7.537	7.537	0.000	99	106268	2.00	1.77	
69 Methylcyclohexane	83	7.842	7.842	0.000	89	169456	2.00	1.84	
70 1,2-Dichloropropane	63	7.866	7.866	0.000	97	100818	2.00	1.78	
71 2-ethoxy-2-methyl butane	87	7.909	7.909	0.000	94	144400	2.00	1.77	
73 1,4-Dioxane	88	7.988	7.988	0.000	30	10948	100.0	104.0	M
74 Dibromomethane	93	7.982	7.982	0.000	97	39985	2.00	1.72	
72 Methyl methacrylate	69	7.994	7.994	0.000	90	26752	2.00	1.61	
76 Dichlorobromomethane	83	8.232	8.232	0.000	99	115539	2.00	1.78	
77 2-Nitropropane	41	8.512	8.512	0.000	99	40397	10.0	7.99	
79 1-Bromo-2-chloroethane	63	8.622	8.622	0.000	99	95842	2.00	1.97	
81 cis-1,3-Dichloropropene	75	8.805	8.805	0.000	97	141369	2.00	1.78	
82 4-Methyl-2-pentanone (MIBK)	43	9.012	9.012	0.000	97	375790	20.0	17.9	
\$ 83 Toluene-d8 (Surr)	98	9.140	9.140	0.000	93	2141117	10.0	10.0	
84 Toluene	92	9.219	9.219	0.000	98	263681	2.00	1.78	
85 trans-1,3-Dichloropropene	75	9.524	9.524	0.000	92	110405	2.00	1.78	
86 Ethyl methacrylate	69	9.616	9.616	0.000	89	61823	2.00	1.65	
107 1,1,2-Trichloroethane	97	9.738	9.738	0.000	91	60075	2.00	1.75	
108 Tetrachloroethene	166	9.823	9.823	0.000	97	118374	2.00	1.77	
109 1,3-Dichloropropane	76	9.908	9.908	0.000	89	106667	2.00	1.80	
110 2-Hexanone	43	9.994	9.994	0.000	96	254724	20.0	17.5	
S 106 1,3-Dichloropropene, Total	100				0			3.55	
112 Chlorodibromomethane	129	10.134	10.134	0.000	90	74298	2.00	1.77	
113 Ethylene Dibromide	107	10.244	10.244	0.000	99	54379	2.00	1.78	
* 114 Chlorobenzene-d5 (IS)	117	10.707	10.707	0.000	86	1541126	10.0	10.0	
116 Chlorobenzene	112	10.731	10.731	0.000	94	295221	2.00	1.77	
115 1-Chlorohexane	91	10.731	10.731	0.000	68	137137	2.00	1.71	
117 1,1,1,2-Tetrachloroethane	131	10.823	10.823	0.000	94	95607	2.00	1.77	
118 Ethylbenzene	91	10.829	10.829	0.000	98	510427	2.00	1.77	
120 m-Xylene & p-Xylene	106	10.951	10.951	0.000	100	395724	4.00	3.55	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 119 Xylenes, Total	106				0			5.34	
121 o-Xylene	106	11.292	11.292	0.000	96	190698	2.00	1.79	
122 Styrene	104	11.310	11.310	0.000	95	285807	2.00	1.77	
123 Bromoform	173	11.463	11.463	0.000	95	37677	2.00	1.74	
124 Isopropylbenzene	105	11.603	11.603	0.000	95	440581	2.00	1.76	
\$ 127 4-Bromofluorobenzene (Surr)	95	11.743	11.743	0.000	89	736681	10.0	9.97	
128 1,1,2,2-Tetrachloroethane	83	11.859	11.859	0.000	66	68960	2.00	1.81	
129 Bromobenzene	156	11.859	11.859	0.000	92	115257	2.00	1.81	
130 trans-1,4-Dichloro-2-butene	53	11.883	11.883	0.000	91	157487	20.0	17.7	
131 1,2,3-Trichloropropane	110	11.902	11.902	0.000	78	18881	2.00	1.86	
132 N-Propylbenzene	91	11.938	11.938	0.000	99	613699	2.00	1.79	
133 2-Chlorotoluene	126	12.012	12.012	0.000	96	122148	2.00	1.79	
134 1,3,5-Trimethylbenzene	105	12.085	12.085	0.000	94	434489	2.00	1.80	
135 4-Chlorotoluene	126	12.109	12.109	0.000	98	128200	2.00	1.82	
136 tert-Butylbenzene	134	12.322	12.322	0.000	93	95235	2.00	1.82	
137 Pentachloroethane	167	12.353	12.353	0.000	79	70509	2.00	1.97	
138 1,2,4-Trimethylbenzene	105	12.371	12.371	0.000	97	448060	2.00	1.81	
139 sec-Butylbenzene	105	12.493	12.493	0.000	94	558971	2.00	1.79	
140 1,3-Dichlorobenzene	146	12.585	12.585	0.000	97	241470	2.00	1.78	
141 4-Isopropyltoluene	119	12.603	12.603	0.000	97	479528	2.00	1.79	
* 142 1,4-Dichlorobenzene-d4	152	12.639	12.639	0.000	95	819702	10.0	10.0	
143 1,4-Dichlorobenzene	146	12.658	12.658	0.000	96	250871	2.00	1.81	
144 1,2,3-Trimethylbenzene	120	12.676	12.676	0.000	99	188654	2.00	1.78	
145 Benzyl chloride	126	12.743	12.743	0.000	98	28456	2.00	1.85	a
146 p-Diethylbenzene	119	12.877	12.877	0.000	93	293822	2.00	1.78	
147 n-Butylbenzene	92	12.895	12.895	0.000	97	248926	2.00	1.82	
148 1,2-Dichlorobenzene	146	12.920	12.920	0.000	98	209056	2.00	1.78	
150 1,2-Dibromo-3-Chloropropane	155	13.469	13.469	0.000	82	8221	2.00	1.86	
151 1,3,5-Trichlorobenzene	180	13.590	13.590	0.000	97	187427	2.00	1.76	
152 1,2,4-Trichlorobenzene	180	14.017	14.017	0.000	95	146334	2.00	1.72	
153 Hexachlorobutadiene	225	14.103	14.103	0.000	97	81623	2.00	1.76	
154 Naphthalene	128	14.194	14.194	0.000	97	200805	2.00	1.77	
155 1,2,3-Trichlorobenzene	180	14.334	14.334	0.000	96	117115	2.00	1.77	
156 2-Methylnaphthalene	142	14.919	14.919	0.000	91	90469	2.00	1.68	
167 Pentane	43	2.769	2.769	0.000	42	6874	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_LL_#1_826_00155	Amount Added: 2.00	Units: uL	
MSV_LL_#2_826_00163	Amount Added: 2.00	Units: uL	
MSV_LL_GAS826_00247	Amount Added: 2.00	Units: uL	
MSV_29_826ISS_00057	Amount Added: 1.20	Units: uL	Run Reagent

Report Date: 09-Dec-2024 09:42:24

Chrom Revision: 2.3 12-Nov-2024 16:55:22

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X15.D

Injection Date: 03-Dec-2024 17:12:30

Instrument ID: 16334

Operator ID: knk41612

Lims ID: IC std4

Worklist Smp#: 16

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

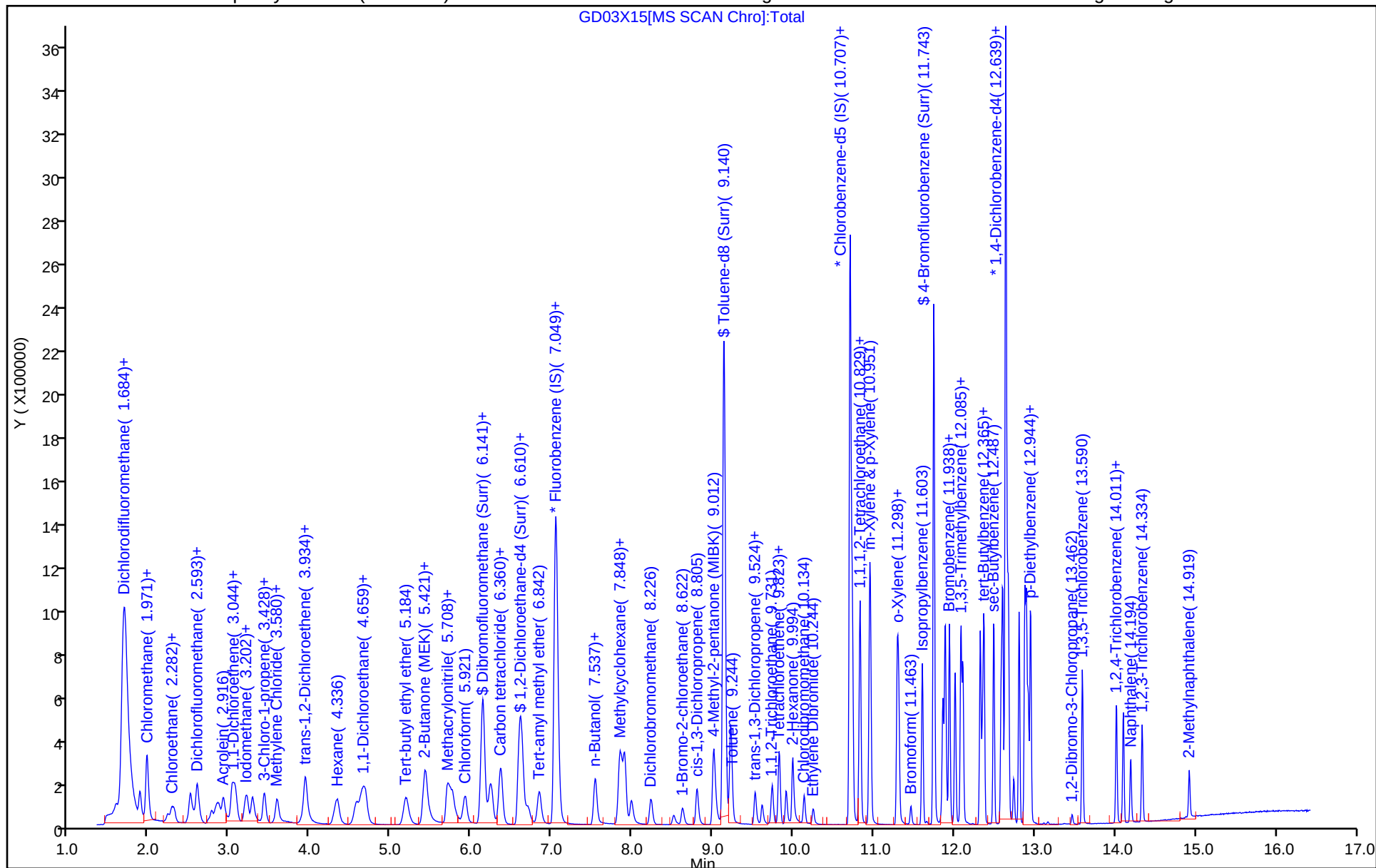
ALS Bottle#: 5

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

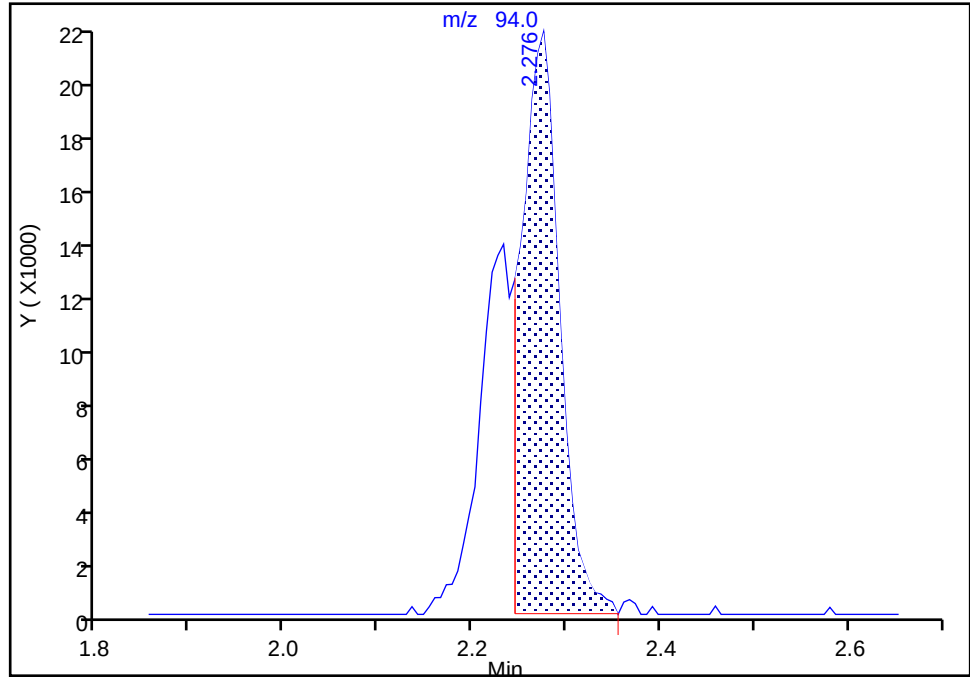
Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X15.D
Injection Date: 03-Dec-2024 17:12:30 Instrument ID: 16334
Lims ID: IC std4
Client ID:
Operator ID: knk41612 ALS Bottle#: 5 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

9 Bromomethane, CAS: 74-83-9

Signal: 1

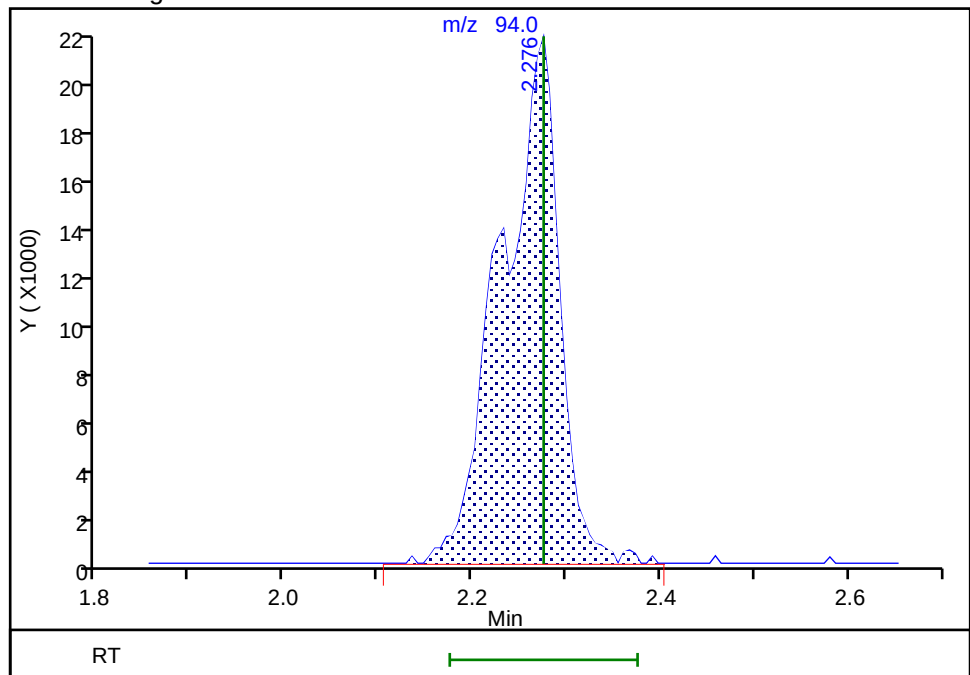
RT: 2.28
Area: 59606
Amount: 1.735074
Amount Units: ug/l

Processing Integration Results



RT: 2.28
Area: 91161
Amount: 1.915183
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-Dec-2024 08:19:25 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

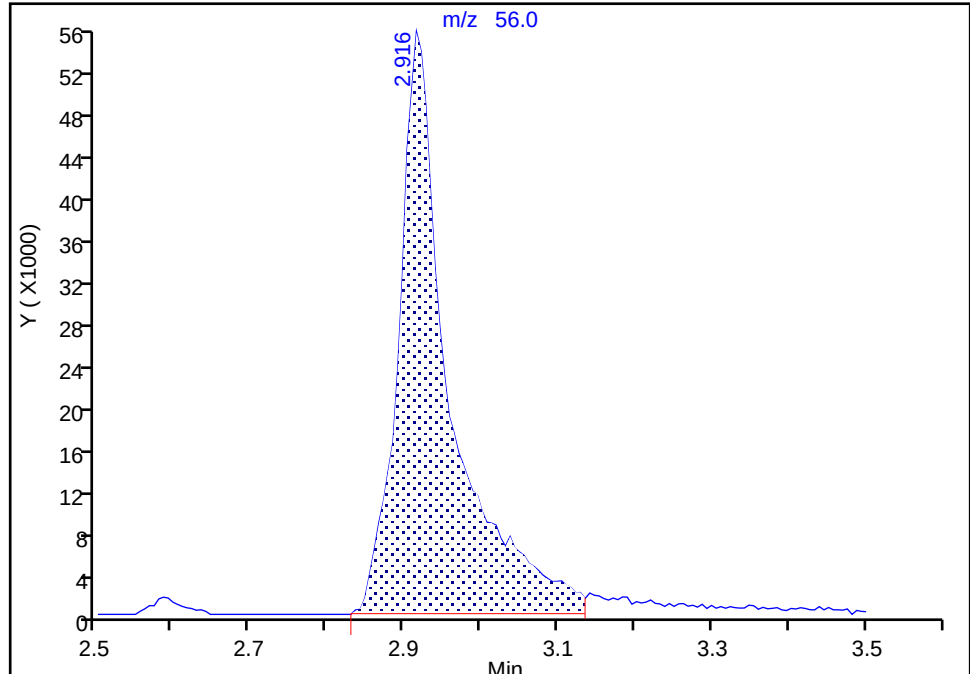
Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X15.D
Injection Date: 03-Dec-2024 17:12:30 Instrument ID: 16334
Lims ID: IC std4
Client ID:
Operator ID: knk41612 ALS Bottle#: 5 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

17 Acrolein, CAS: 107-02-8

Signal: 1

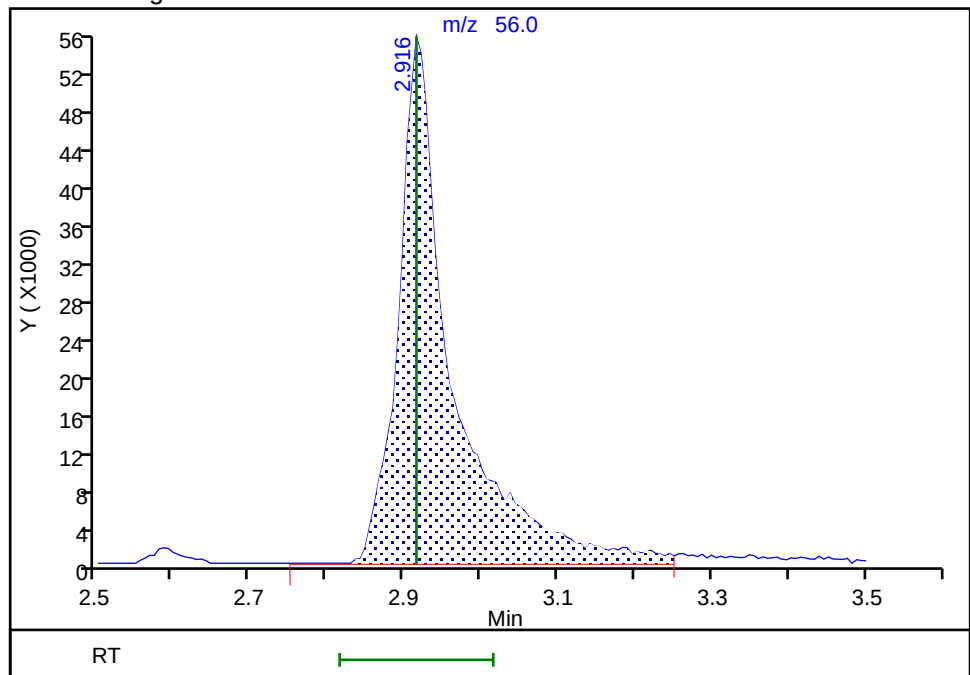
RT: 2.92
Area: 258704
Amount: 85.339852
Amount Units: ug/l

Processing Integration Results



RT: 2.92
Area: 267267
Amount: 80.296308
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-Dec-2024 08:42:00 -05:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

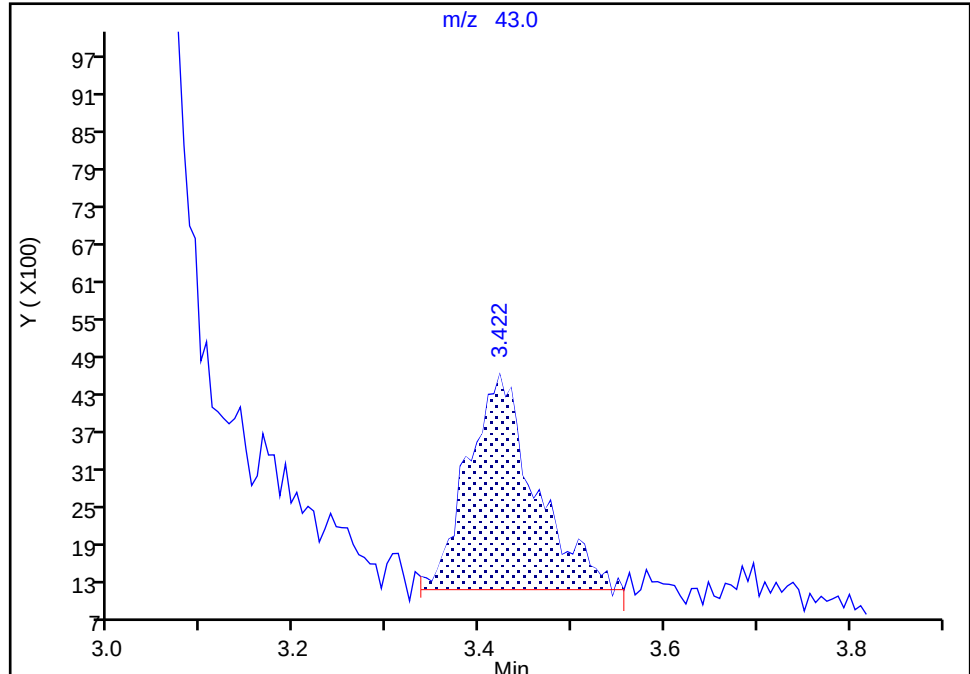
Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X15.D
Injection Date: 03-Dec-2024 17:12:30 Instrument ID: 16334
Lims ID: IC std4
Client ID:
Operator ID: knk41612 ALS Bottle#: 5 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

25 Methyl acetate, CAS: 79-20-9

Signal: 1

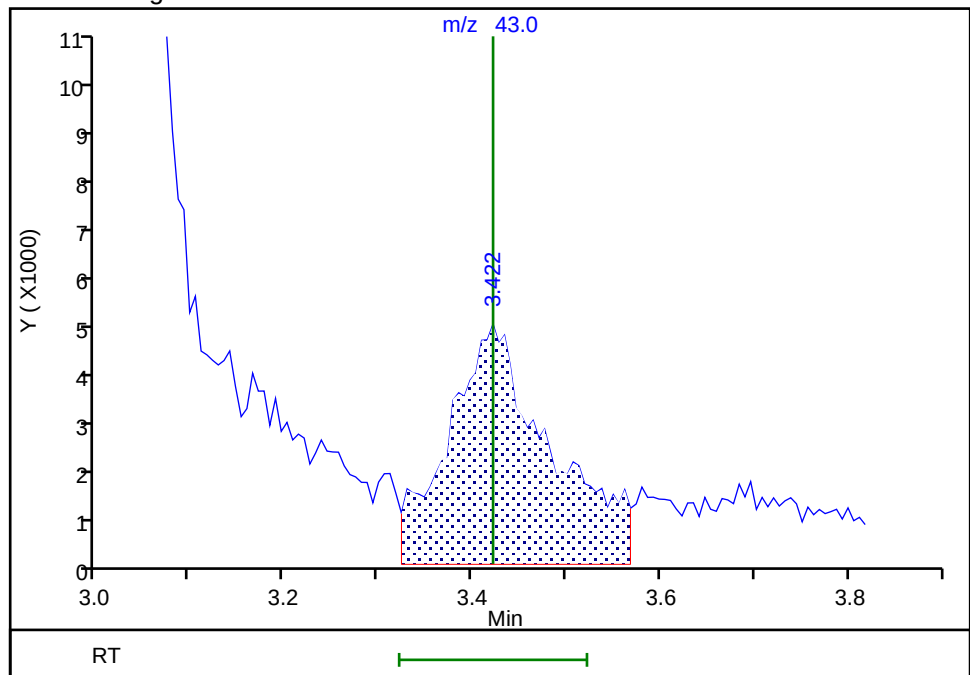
RT: 3.42
Area: 17412
Amount: 1.079086
Amount Units: ug/l

Processing Integration Results



RT: 3.42
Area: 34355
Amount: 1.724548
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 08-Dec-2024 11:33:54 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins Lancaster Laboratories Environment Testing, LLC

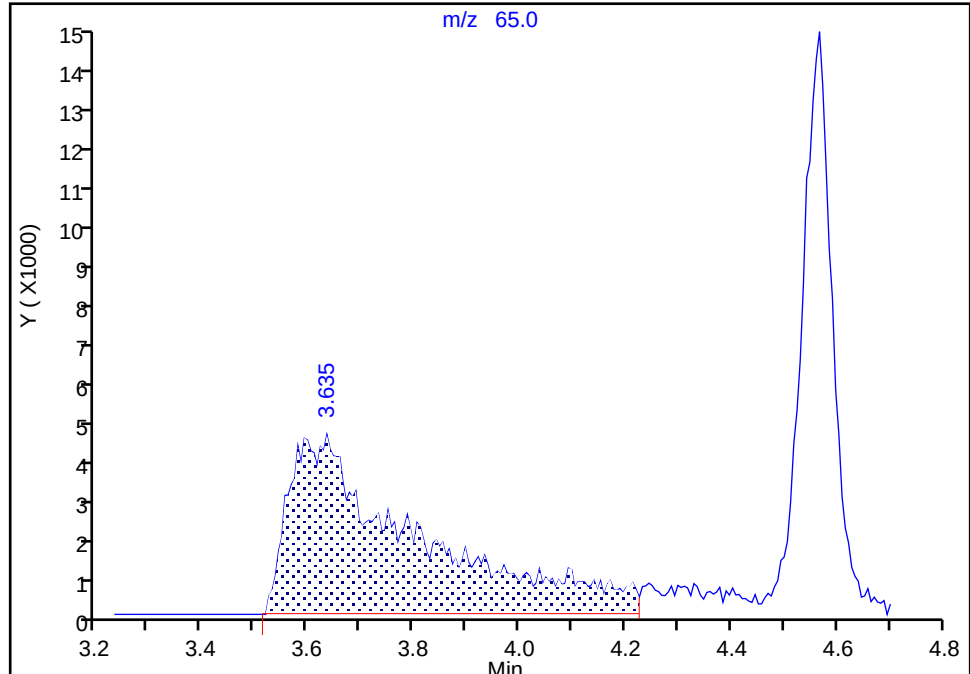
Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X15.D
Injection Date: 03-Dec-2024 17:12:30 Instrument ID: 16334
Lims ID: IC std4
Client ID:
Operator ID: knk41612 ALS Bottle#: 5 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm i.d.) Detector: MS Quad

* 30 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

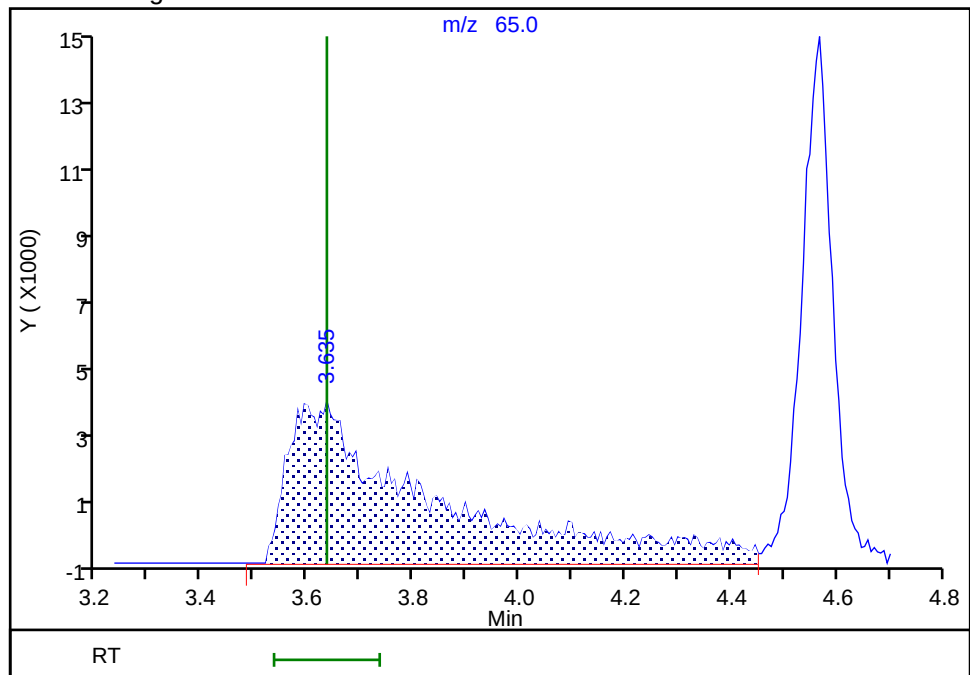
RT: 3.64
Area: 74666
Amount: 49.998300
Amount Units: ug/l

Processing Integration Results



RT: 3.64
Area: 82323
Amount: 49.998300
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-Dec-2024 08:21:34 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

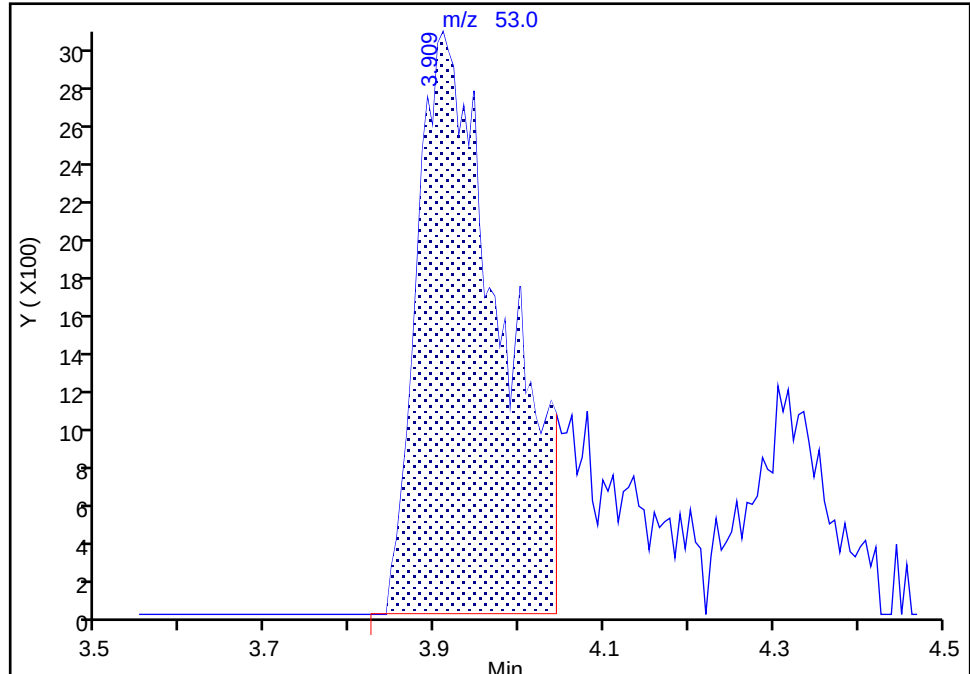
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Injection Date: 03-Dec-2024 17:12:30 Instrument ID: 16334
Lims ID: IC std4
Client ID:
Operator ID: knk41612 ALS Bottle#: 5 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

32 Acrylonitrile, CAS: 107-13-1

Signal: 1

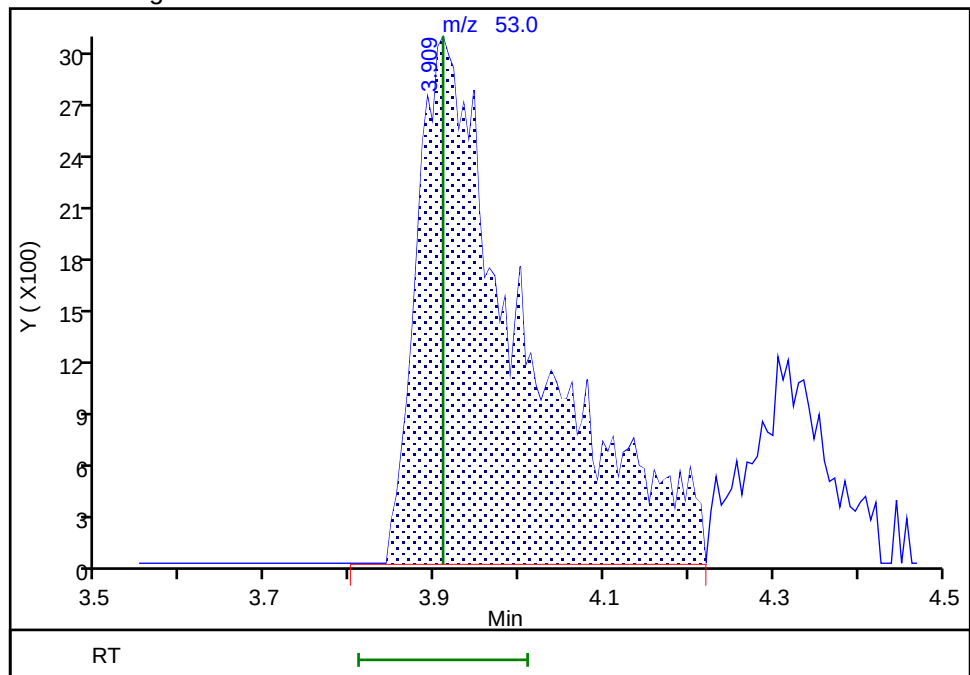
RT: 3.91
Area: 20959
Amount: 3.799702
Amount Units: ug/l

Processing Integration Results



RT: 3.91
Area: 27235
Amount: 4.209690
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-Dec-2024 08:22:00 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

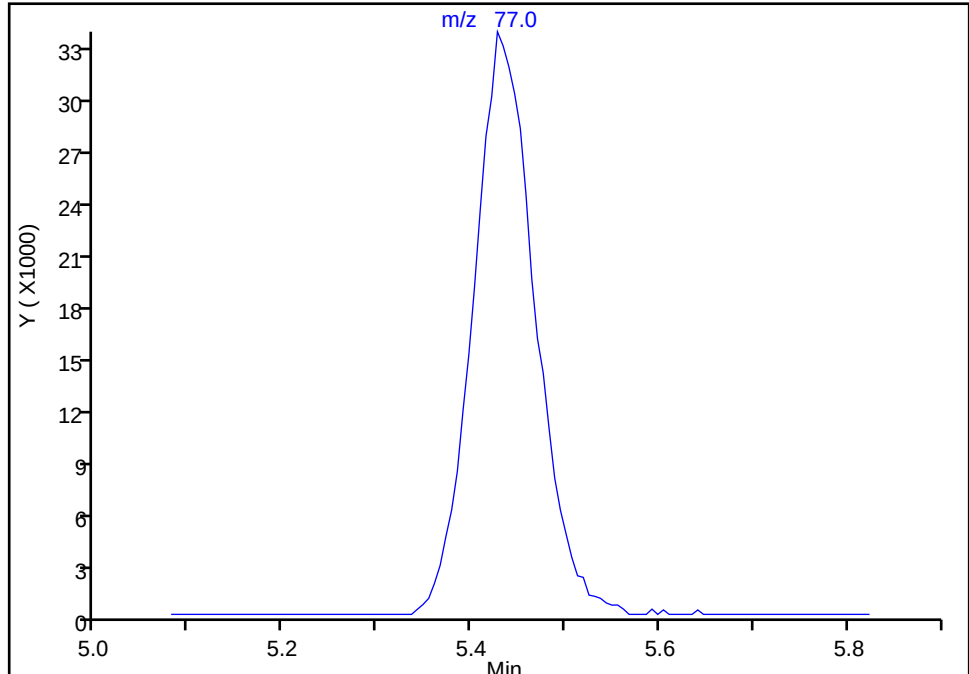
Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X15.D
Injection Date: 03-Dec-2024 17:12:30 Instrument ID: 16334
Lims ID: IC std4
Client ID:
Operator ID: knk41612 ALS Bottle#: 5 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

43 2,2-Dichloropropane, CAS: 594-20-7

Signal: 1

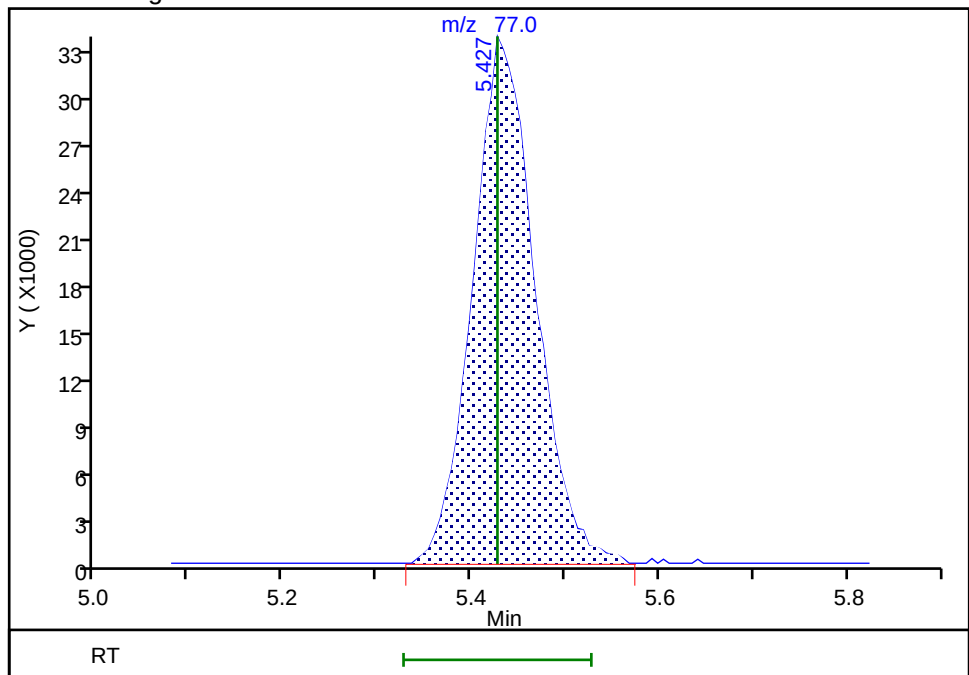
Not Detected
Expected RT: 5.43

Processing Integration Results



RT: 5.43
Area: 153705
Amount: 1.785666
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-Dec-2024 08:13:31 -05:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

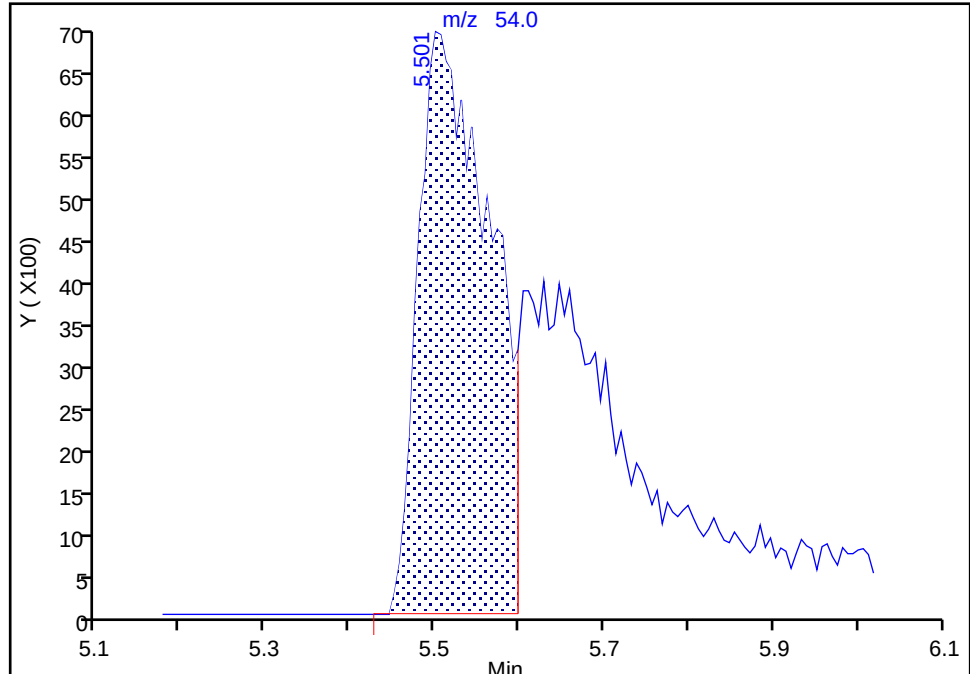
Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X15.D
Injection Date: 03-Dec-2024 17:12:30 Instrument ID: 16334
Lims ID: IC std4
Client ID:
Operator ID: knk41612 ALS Bottle#: 5 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

45 Propionitrile, CAS: 107-12-0

Signal: 1

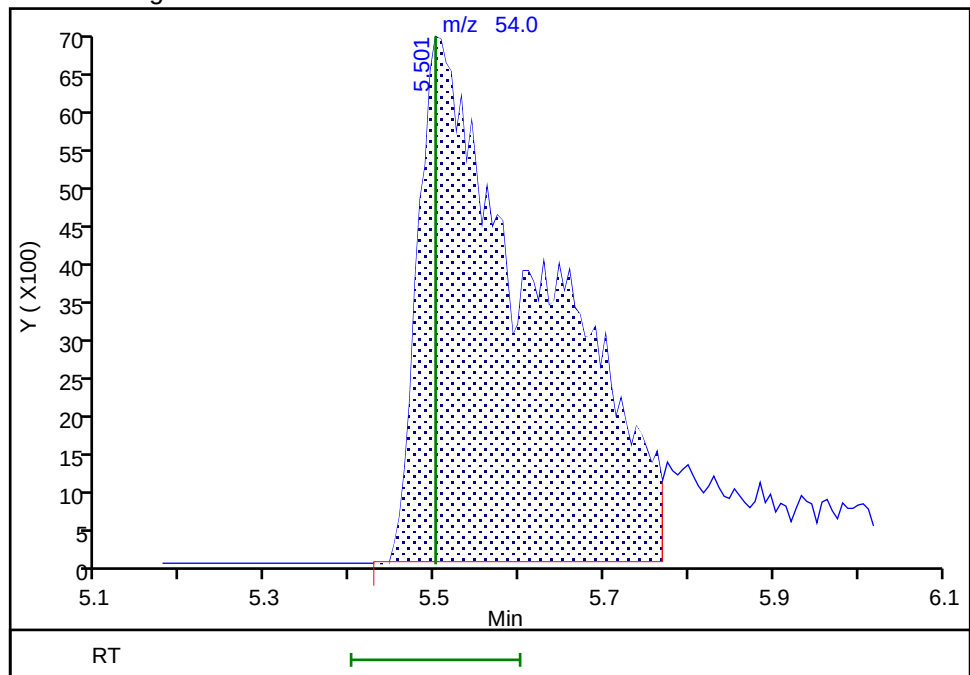
RT: 5.50
Area: 41238
Amount: 27.446350
Amount Units: ug/l

Processing Integration Results



RT: 5.50
Area: 69444
Amount: 32.591189
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-Dec-2024 08:24:29 -05:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

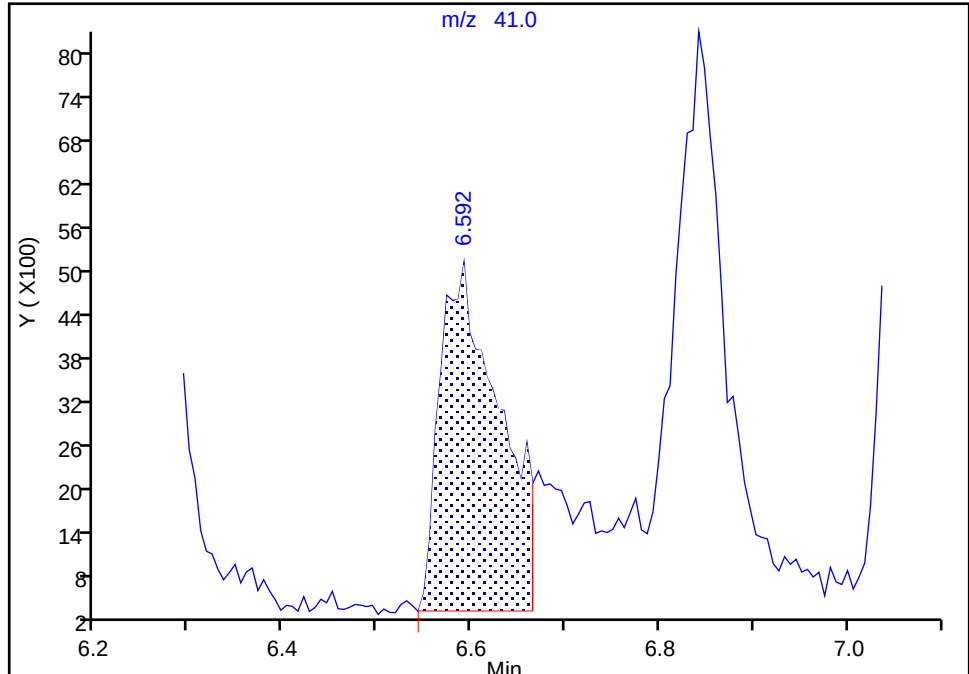
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Injection Date: 03-Dec-2024 17:12:30 Instrument ID: 16334
Lims ID: IC std4
Client ID:
Operator ID: knk41612 ALS Bottle#: 5 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

58 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

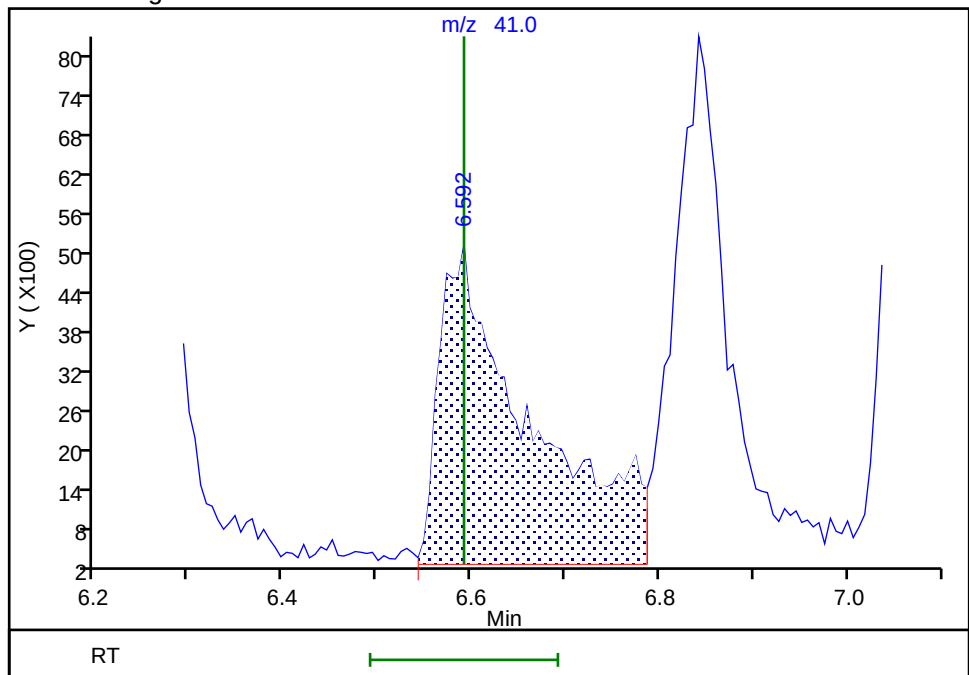
RT: 6.59
Area: 21074
Amount: 61.215291
Amount Units: ug/l

Processing Integration Results



RT: 6.59
Area: 32401
Amount: 84.738805
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-Dec-2024 08:37:38 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

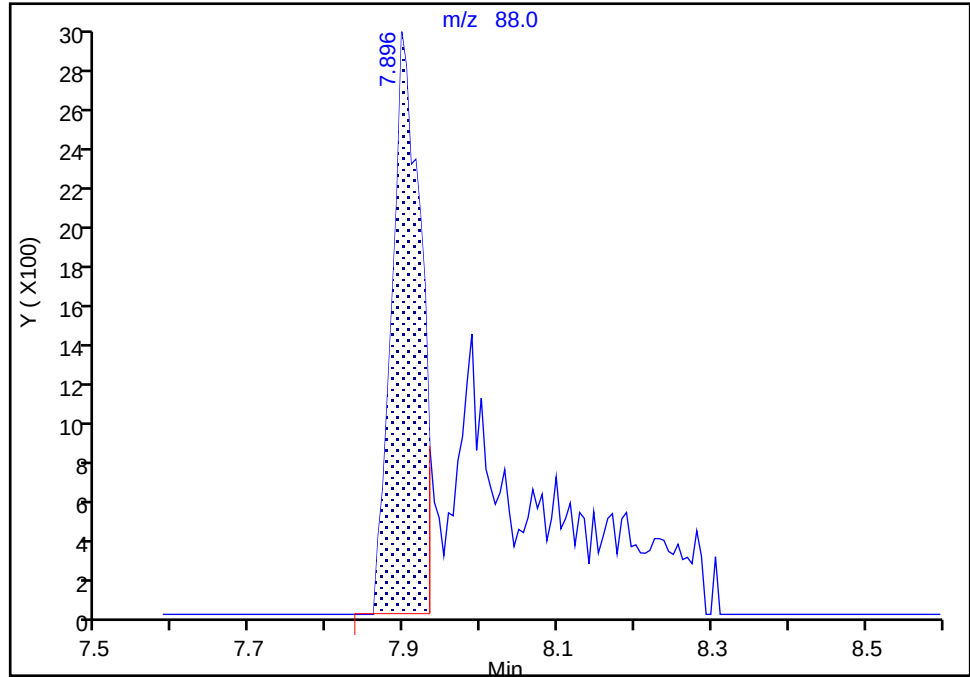
Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X15.D
Injection Date: 03-Dec-2024 17:12:30 Instrument ID: 16334
Lims ID: IC std4
Client ID:
Operator ID: knk41612 ALS Bottle#: 5 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

73 1,4-Dioxane, CAS: 123-91-1

Signal: 1

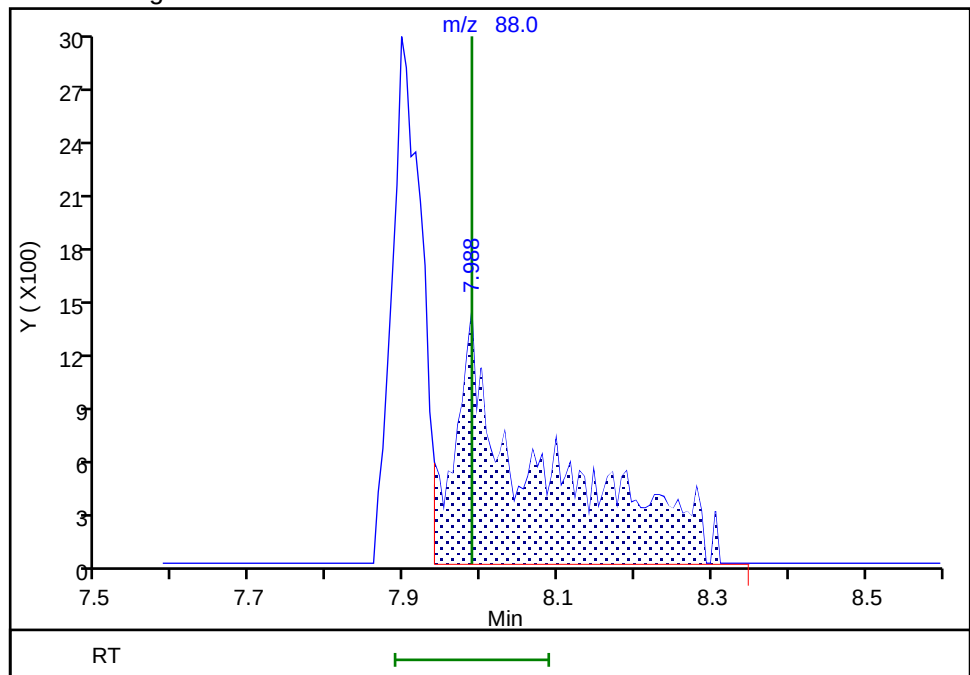
RT: 7.90
Area: 7670
Amount: 86.613091
Amount Units: ug/l

Processing Integration Results



RT: 7.99
Area: 10948
Amount: 104.0271
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-Dec-2024 08:27:08 -05:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

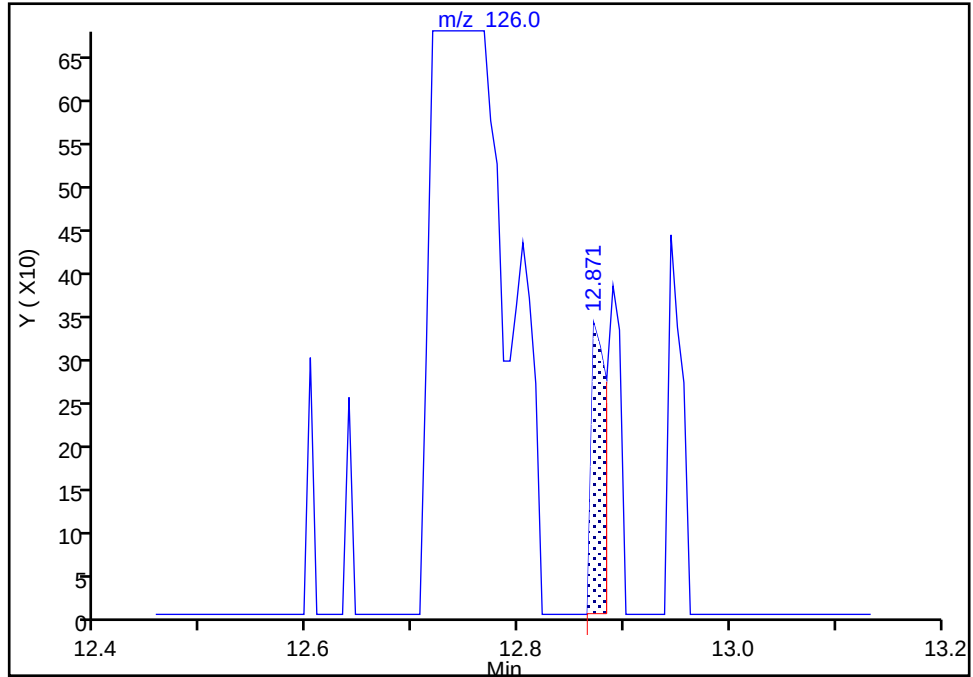
Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X15.D
Injection Date: 03-Dec-2024 17:12:30 Instrument ID: 16334
Lims ID: IC std4
Client ID:
Operator ID: knk41612 ALS Bottle#: 5 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm i.d.) MS Quad

145 Benzyl chloride, CAS: 100-44-7

Signal: 1

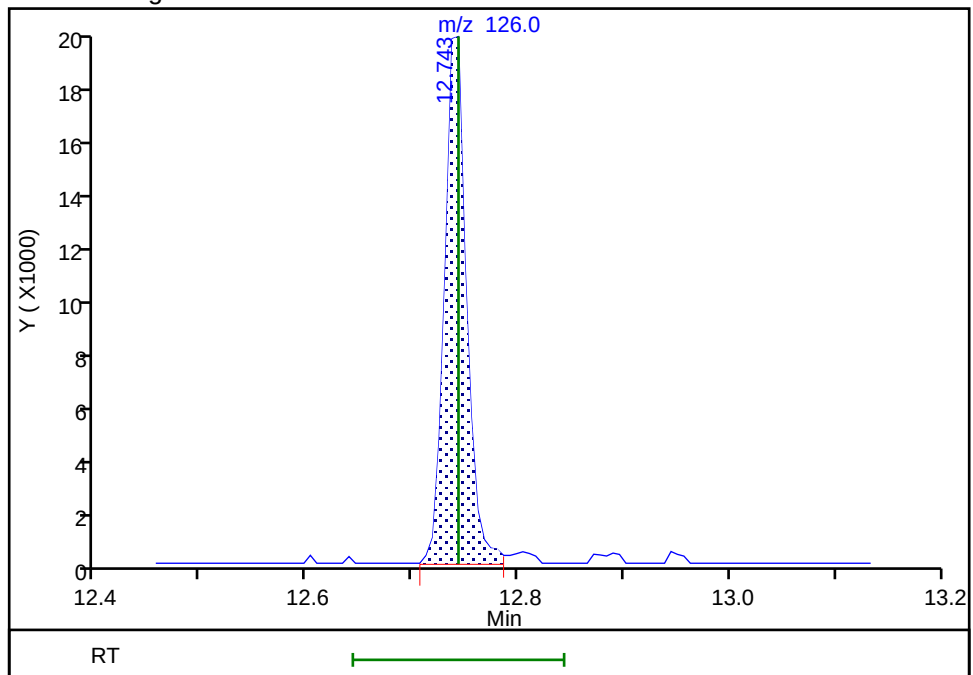
RT: 12.87
Area: 335
Amount: 0.032267
Amount Units: ug/l

Processing Integration Results



RT: 12.74
Area: 28456
Amount: 1.847745
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-Dec-2024 08:11:21 -05:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X16.D
 Lims ID: IC std5
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 03-Dec-2024 17:34:30 ALS Bottle#: 6 Worklist Smp#: 17
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0132221-017
 Misc. Info.: IC STD5
 Operator ID: knk41612 Instrument ID: 16334
 Sublist: chrom-MSV_16334_25mL*sub4
 Method: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\MSV_16334_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 09-Dec-2024 09:42:30 Calib Date: 03-Dec-2024 18:18:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1610

First Level Reviewer: DVW2

Date: 04-Dec-2024 08:11:09

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.696	1.709	-0.013	99	352043	5.00	5.64	
5 Chloromethane	50	1.873	1.879	-0.006	99	392216	5.00	5.24	
7 Butadiene	39	1.959	1.965	-0.007	90	372980	5.00	5.41	
6 Vinyl chloride	62	1.977	1.983	-0.006	98	366033	5.00	5.40	
9 Bromomethane	94	2.263	2.276	-0.013	90	228209	5.00	5.18	M
10 Chloroethane	64	2.300	2.306	-0.006	100	177241	5.00	5.18	
11 Dichlorofluoromethane	67	2.501	2.507	-0.006	96	514997	5.00	5.37	
12 Trichlorofluoromethane	101	2.593	2.599	-0.006	98	419995	5.00	5.59	
13 Ethyl ether	59	2.757	2.769	-0.012	90	135551	5.00	4.93	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	2.836	2.843	-0.007	92	284156	5.00	5.02	
17 Acrolein	56	2.910	2.916	-0.006	100	744657	244.0	252.6	M
18 1,1-Dichloroethene	96	3.025	3.032	-0.007	98	236422	5.00	5.37	
19 Acetone	43	3.056	3.062	-0.006	54	214120	50.0	51.2	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.062	3.068	-0.006	93	264589	5.00	5.71	
22 Iodomethane	142	3.184	3.190	-0.006	100	462010	5.00	5.43	
21 Isopropyl alcohol	45	3.166	3.196	-0.030	98	60818	100.0	122.5	
23 Ethyl bromide	108	3.208	3.214	-0.006	99	190046	5.01	4.90	
24 Carbon disulfide	76	3.275	3.282	-0.007	99	884515	5.00	5.48	
25 Methyl acetate	43	3.409	3.422	-0.013	30	103492	5.00	5.87	M
27 3-Chloro-1-propene	41	3.422	3.422	0.000	92	408456	5.00	5.34	
29 Methylene Chloride	84	3.574	3.580	-0.006	92	262746	5.00	5.40	
* 30 t-Butyl alcohol-d10 (IS)	65	3.592	3.635	-0.043	99	72915	50.0	50.0	
31 2-Methyl-2-propanol	59	3.702	3.714	-0.012	91	89372	100.0	104.3	
32 Acrylonitrile	53	3.891	3.909	-0.018	96	83133	12.5	14.5	M
34 trans-1,2-Dichloroethene	96	3.928	3.934	-0.006	99	282729	5.00	5.47	
33 Methyl tert-butyl ether	73	3.922	3.940	-0.018	96	541024	5.00	5.51	
35 Hexane	57	4.324	4.336	-0.012	91	393516	5.00	5.83	
37 1,1-Dichloroethane	63	4.562	4.562	0.000	96	512206	5.00	5.47	
38 Isopropyl ether	45	4.635	4.641	-0.006	93	820815	5.00	5.57	
39 2-Chloro-1,3-butadiene	53	4.671	4.684	-0.013	90	398905	5.00	5.56	

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	5.183	5.184	-0.001	97	726011	5.00	5.60	
41 2-Butanone (MEK)	43	5.391	5.403	-0.012	100	417953	50.0	58.3	
42 cis-1,2-Dichloroethene	96	5.421	5.421	0.000	82	305906	5.00	5.41	
43 2,2-Dichloropropane	77	5.427	5.427	0.000	85	429482	5.00	5.39	a
45 Propionitrile	54	5.482	5.501	-0.019	99	227843	100.0	109.2	
48 Methacrylonitrile	67	5.696	5.696	0.000	91	481475	50.0	62.3	
49 Chlorobromomethane	128	5.757	5.763	-0.006	94	119918	5.00	5.65	
50 Tetrahydrofuran	71	5.775	5.769	0.006	79	61837	25.0	30.1	
51 Chloroform	83	5.915	5.927	-0.012	93	506612	5.00	5.51	
53 1,1,1-Trichloroethane	97	6.141	6.141	0.000	88	439309	5.00	5.40	
\$ 52 Dibromofluoromethane (Surr)	113	6.141	6.141	0.000	93	459804	10.0	10.0	
S 47 1,2-Dichloroethene, Total	100				0			10.9	
54 Cyclohexane	56	6.238	6.238	0.000	91	463715	5.00	5.72	
55 Carbon tetrachloride	117	6.354	6.354	0.000	97	382481	5.00	5.50	
56 1,1-Dichloropropene	75	6.366	6.366	0.000	99	399041	5.00	5.50	
58 Isobutyl alcohol	41	6.580	6.592	-0.012	91	99540	250.0	281.0	M
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.592	6.598	-0.006	96	87048	10.0	9.91	
60 Benzene	78	6.622	6.628	-0.006	97	1164816	5.00	5.38	
61 1,2-Dichloroethane	62	6.701	6.702	-0.001	97	267172	5.00	5.38	
63 Tert-amyl methyl ether	73	6.842	6.842	0.000	99	602513	5.00	5.60	
* 64 Fluorobenzene (IS)	96	7.043	7.049	-0.006	98	1950593	10.0	10.0	
65 n-Heptane	43	7.073	7.073	0.000	92	371302	5.00	5.60	
67 n-Butanol	56	7.488	7.512	-0.024	90	137314	437.5	486.3	
68 Trichloroethene	95	7.537	7.537	0.000	99	303896	5.00	5.46	
69 Methylcyclohexane	83	7.842	7.842	0.000	91	494196	5.00	5.81	
70 1,2-Dichloropropane	63	7.866	7.866	0.000	97	289521	5.00	5.52	
71 2-ethoxy-2-methyl butane	87	7.902	7.909	-0.007	95	430259	5.00	5.70	
74 Dibromomethane	93	7.982	7.982	0.000	97	118370	5.00	5.50	
73 1,4-Dioxane	88	7.988	7.988	0.000	30	28481	250.0	305.5	M
72 Methyl methacrylate	69	7.988	7.994	-0.006	91	83871	5.00	5.71	
76 Dichlorobromomethane	83	8.232	8.232	0.000	99	331371	5.00	5.52	
77 2-Nitropropane	41	8.512	8.512	0.000	99	117113	25.0	26.1	
79 1-Bromo-2-chloroethane	63	8.622	8.622	0.000	99	228348	5.00	5.07	
81 cis-1,3-Dichloropropene	75	8.799	8.805	-0.006	97	417413	5.00	5.67	
82 4-Methyl-2-pentanone (MIBK)	43	9.006	9.012	-0.006	96	1116416	50.0	60.2	
\$ 83 Toluene-d8 (Surr)	98	9.140	9.140	0.000	94	1991994	10.0	10.0	
84 Toluene	92	9.219	9.219	0.000	98	746443	5.00	5.40	
85 trans-1,3-Dichloropropene	75	9.524	9.524	0.000	92	325432	5.00	5.63	
86 Ethyl methacrylate	69	9.609	9.616	-0.007	89	201339	5.00	5.77	
107 1,1,2-Trichloroethane	97	9.737	9.738	-0.001	91	170031	5.00	5.33	
108 Tetrachloroethene	166	9.823	9.823	0.000	97	336165	5.00	5.39	
109 1,3-Dichloropropane	76	9.908	9.908	0.000	90	305206	5.00	5.53	
110 2-Hexanone	43	9.987	9.994	-0.007	97	795187	50.0	61.7	
S 106 1,3-Dichloropropene, Total	100				0			11.3	
112 Chlorodibromomethane	129	10.134	10.134	0.000	90	217986	5.00	5.60	
113 Ethylene Dibromide	107	10.243	10.244	-0.001	99	164058	5.00	5.78	
* 114 Chlorobenzene-d5 (IS)	117	10.707	10.707	0.000	85	1433964	10.0	10.0	
116 Chlorobenzene	112	10.731	10.731	0.000	95	839645	5.00	5.41	
115 1-Chlorohexane	91	10.731	10.731	0.000	94	399476	5.00	5.37	
117 1,1,1,2-Tetrachloroethane	131	10.823	10.823	0.000	95	276920	5.00	5.50	
118 Ethylbenzene	91	10.829	10.829	0.000	98	1486798	5.00	5.53	
120 m-Xylene & p-Xylene	106	10.951	10.951	0.000	100	1160356	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
S 119 Xylenes, Total	106				0			16.8	
121 o-Xylene	106	11.292	11.292	0.000	96	557256	5.00	5.63	
122 Styrene	104	11.310	11.310	0.000	95	886451	5.00	5.89	
123 Bromoform	173	11.457	11.463	-0.006	96	113725	5.00	5.65	
124 Isopropylbenzene	105	11.603	11.603	0.000	96	1315275	5.00	5.66	
\$ 127 4-Bromofluorobenzene (Surr)	95	11.743	11.743	0.000	89	689198	10.0	10.0	
128 1,1,2,2-Tetrachloroethane	83	11.859	11.859	0.000	65	197424	5.00	5.57	
129 Bromobenzene	156	11.859	11.859	0.000	91	330476	5.00	5.56	
130 trans-1,4-Dichloro-2-butene	53	11.883	11.883	0.000	90	467344	50.0	59.2	
131 1,2,3-Trichloropropane	110	11.902	11.902	0.000	80	53211	5.00	5.64	
132 N-Propylbenzene	91	11.938	11.938	0.000	99	1768304	5.00	5.54	
133 2-Chlorotoluene	126	12.011	12.012	-0.001	96	347470	5.00	5.48	
134 1,3,5-Trimethylbenzene	105	12.078	12.085	-0.007	93	1267871	5.00	5.64	
135 4-Chlorotoluene	126	12.109	12.109	0.000	97	364812	5.00	5.56	
136 tert-Butylbenzene	134	12.322	12.322	0.000	93	270802	5.00	5.55	
137 Pentachloroethane	167	12.353	12.353	0.000	84	171947	5.00	5.15	
138 1,2,4-Trimethylbenzene	105	12.365	12.371	-0.006	97	1303117	5.00	5.66	
139 sec-Butylbenzene	105	12.487	12.493	-0.006	94	1614632	5.00	5.54	
140 1,3-Dichlorobenzene	146	12.584	12.585	-0.001	98	695117	5.00	5.50	
141 4-Isopropyltoluene	119	12.603	12.603	0.000	97	1420728	5.00	5.71	
* 142 1,4-Dichlorobenzene-d4	152	12.639	12.639	0.000	94	763721	10.0	10.0	
143 1,4-Dichlorobenzene	146	12.658	12.658	0.000	95	691343	5.00	5.35	
144 1,2,3-Trimethylbenzene	120	12.670	12.676	-0.006	99	540891	5.00	5.49	
145 Benzyl chloride	126	12.737	12.743	-0.006	98	79734	5.00	5.56	a
146 p-Diethylbenzene	119	12.877	12.877	0.000	93	858382	5.00	5.58	
147 n-Butylbenzene	92	12.895	12.895	0.000	97	719739	5.00	5.64	
148 1,2-Dichlorobenzene	146	12.920	12.920	0.000	98	601232	5.00	5.48	
150 1,2-Dibromo-3-Chloropropane	155	13.462	13.469	-0.007	82	23192	5.00	5.92	
151 1,3,5-Trichlorobenzene	180	13.590	13.590	0.000	98	551780	5.00	5.55	
152 1,2,4-Trichlorobenzene	180	14.011	14.017	-0.006	94	445779	5.00	5.63	
153 Hexachlorobutadiene	225	14.102	14.103	-0.001	97	233284	5.00	5.39	
154 Naphthalene	128	14.194	14.194	0.000	97	609000	5.00	5.78	
155 1,2,3-Trichlorobenzene	180	14.334	14.334	0.000	96	349381	5.00	5.66	
156 2-Methylnaphthalene	142	14.919	14.919	0.000	92	300768	5.00	5.47	
167 Pentane	43	2.763	2.769	-0.006	39	24684	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_LL_#1_826_00155	Amount Added: 5.00	Units: uL	
MSV_LL_#2_826_00163	Amount Added: 5.00	Units: uL	
MSV_LL_GAS826_00247	Amount Added: 5.00	Units: uL	
MSV_29_826ISS_00057	Amount Added: 1.20	Units: uL	Run Reagent

Report Date: 09-Dec-2024 09:42:31

Chrom Revision: 2.3 12-Nov-2024 16:55:22

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X16.D

Injection Date: 03-Dec-2024 17:34:30

Instrument ID: 16334

Operator ID: knk41612

Lims ID: IC std5

Worklist Smp#: 17

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

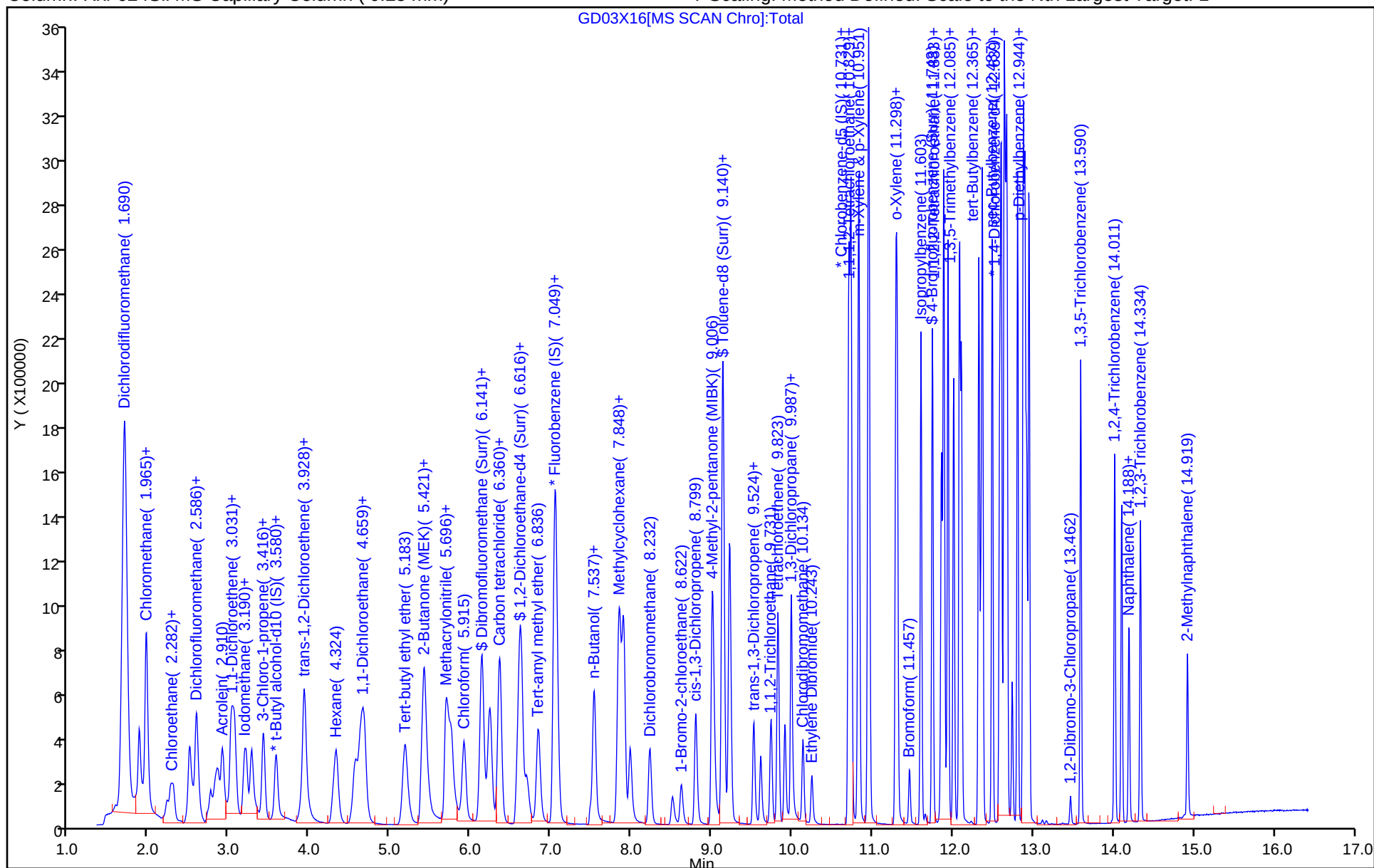
ALS Bottle#: 6

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

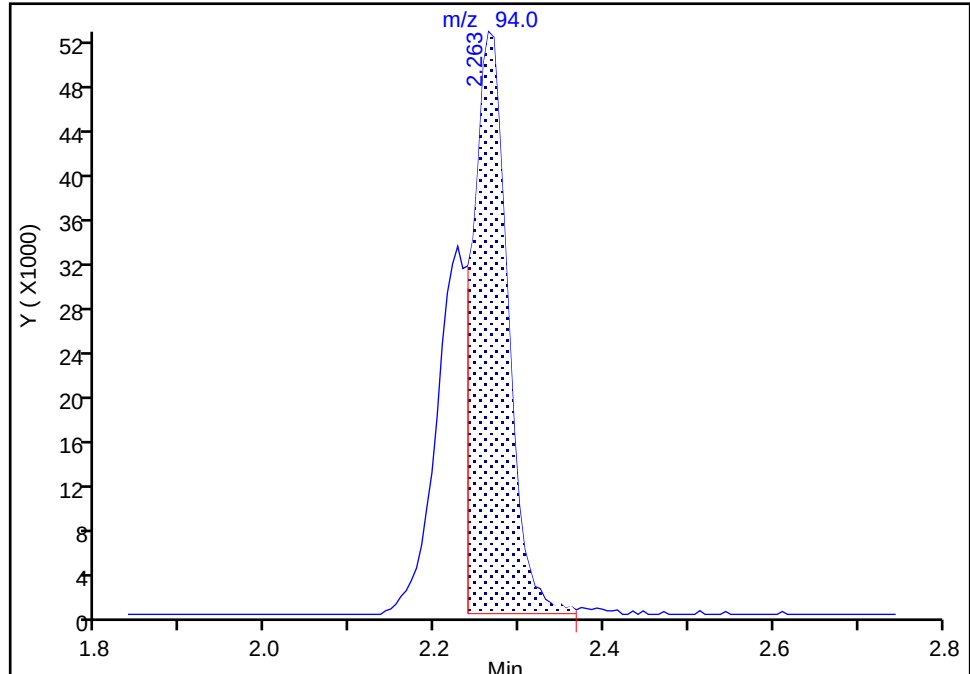
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Injection Date: 03-Dec-2024 17:34:30 Instrument ID: 16334
Lims ID: IC std5
Client ID:
Operator ID: knk41612 ALS Bottle#: 6 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

9 Bromomethane, CAS: 74-83-9

Signal: 1

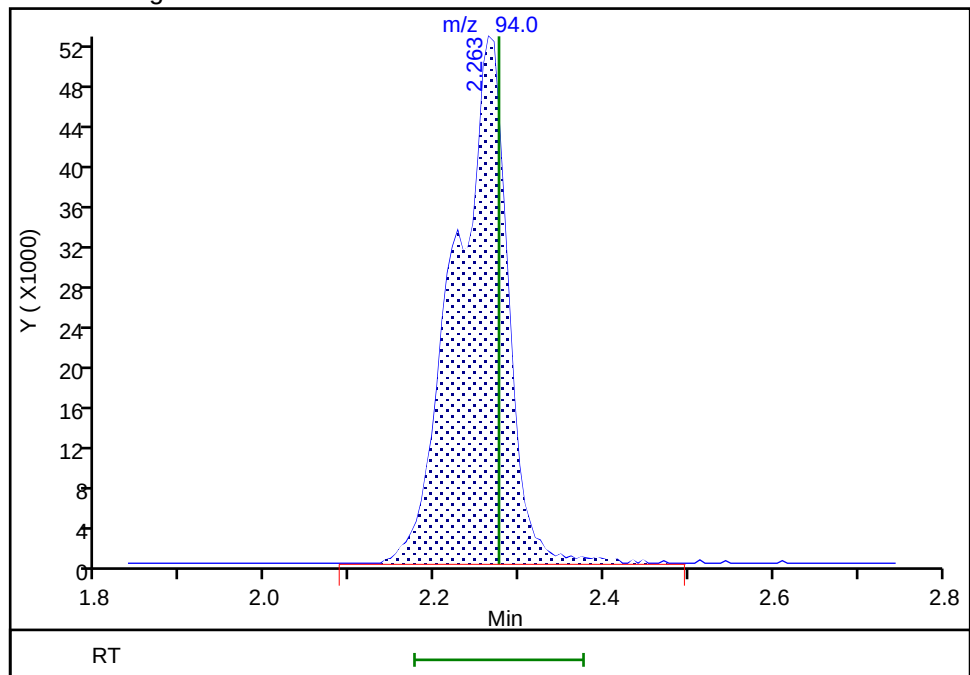
RT: 2.26
Area: 150593
Amount: 5.086096
Amount Units: ug/l

Processing Integration Results



RT: 2.26
Area: 228209
Amount: 5.175103
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-Dec-2024 08:16:23 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

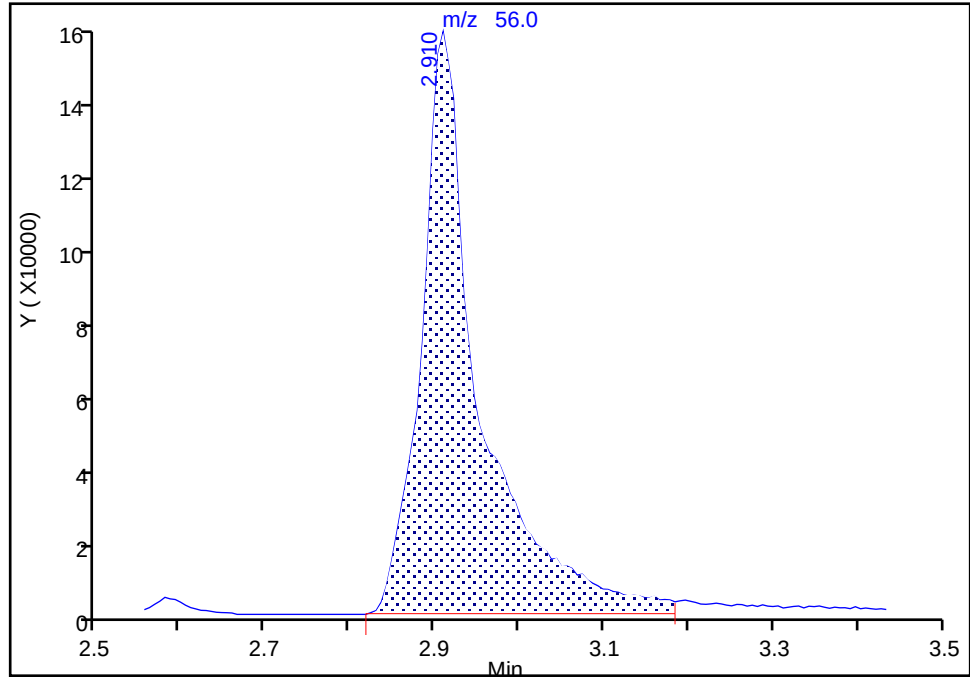
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Injection Date: 03-Dec-2024 17:34:30 Instrument ID: 16334
Lims ID: IC std5
Client ID:
Operator ID: knk41612 ALS Bottle#: 6 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

17 Acrolein, CAS: 107-02-8

Signal: 1

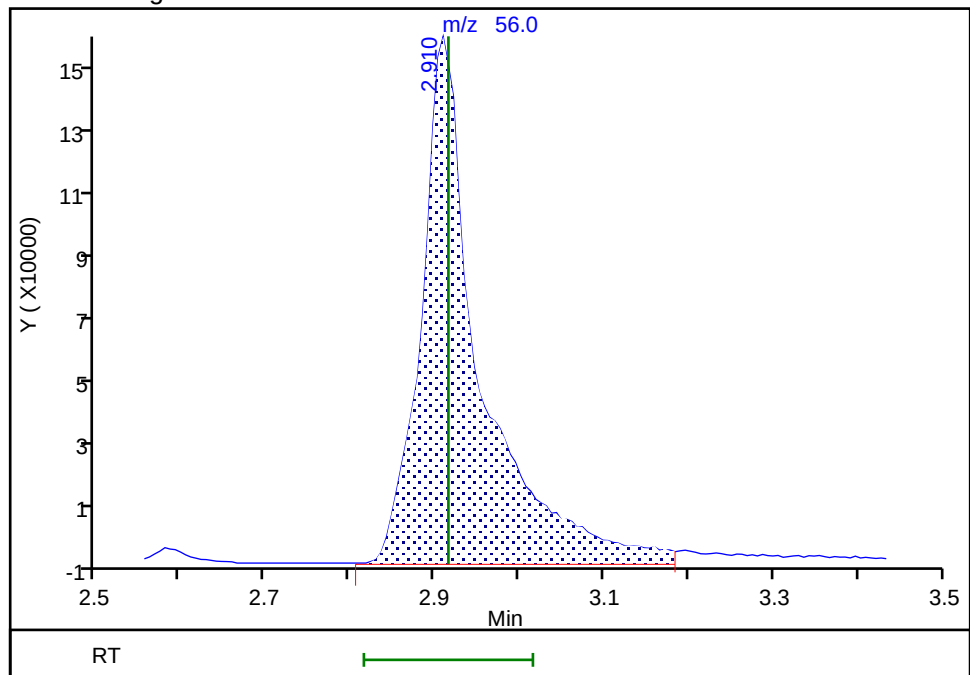
RT: 2.91
Area: 743514
Amount: 294.2413
Amount Units: ug/l

Processing Integration Results



RT: 2.91
Area: 744657
Amount: 252.5869
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-Dec-2024 08:41:38 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

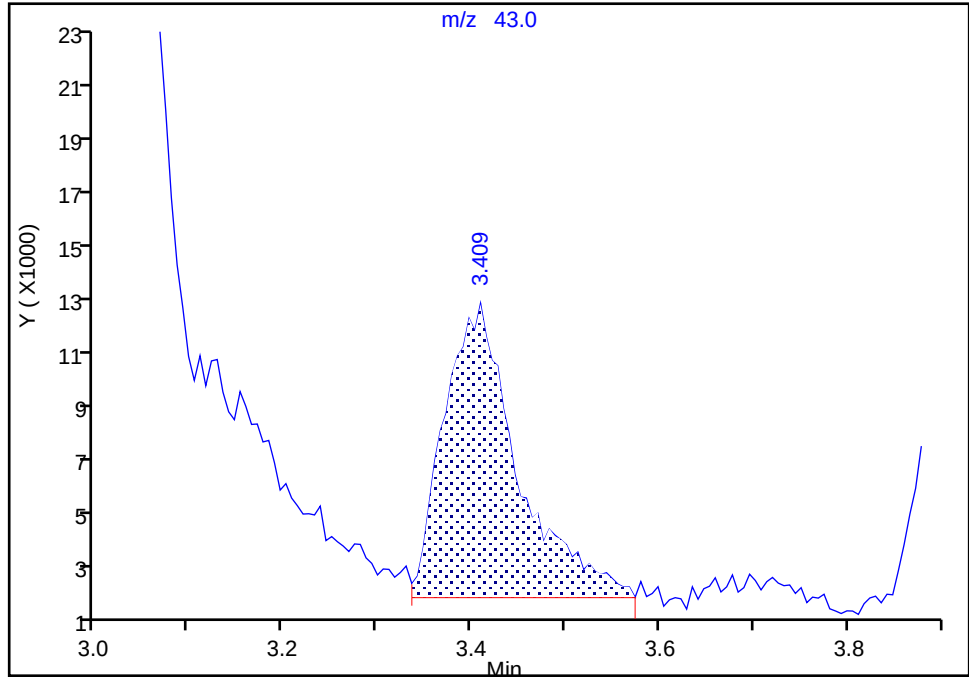
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Injection Date: 03-Dec-2024 17:34:30 Instrument ID: 16334
Lims ID: IC std5
Client ID:
Operator ID: knk41612 ALS Bottle#: 6 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

25 Methyl acetate, CAS: 79-20-9

Signal: 1

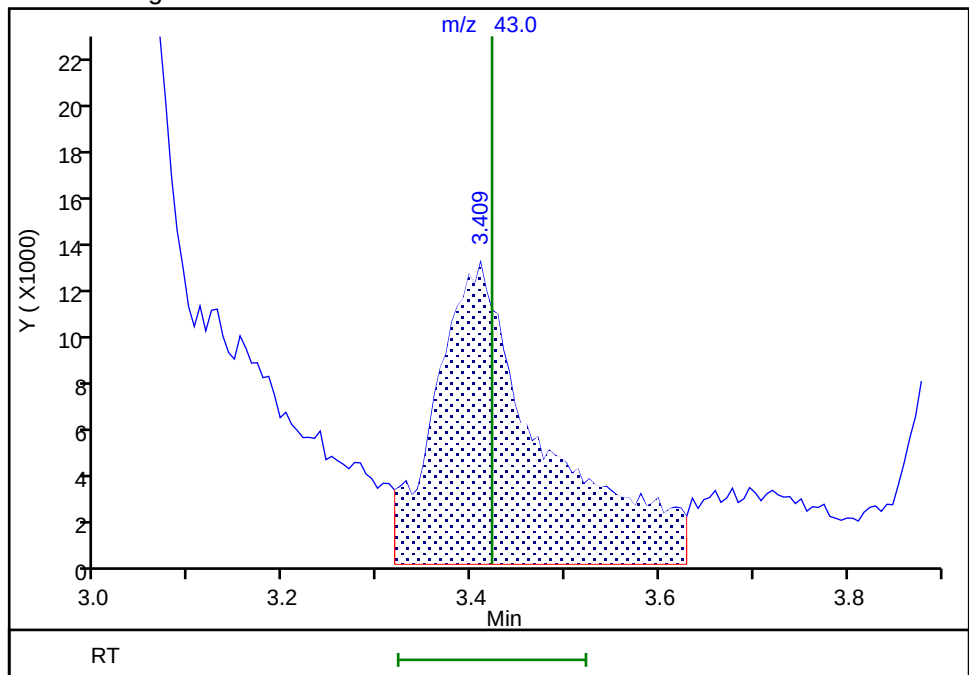
RT: 3.41
Area: 56567
Amount: 3.639526
Amount Units: ug/l

Processing Integration Results



RT: 3.41
Area: 103492
Amount: 5.865383
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 08-Dec-2024 11:35:05 -05:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Baseline

Eurofins Lancaster Laboratories Environment Testing, LLC

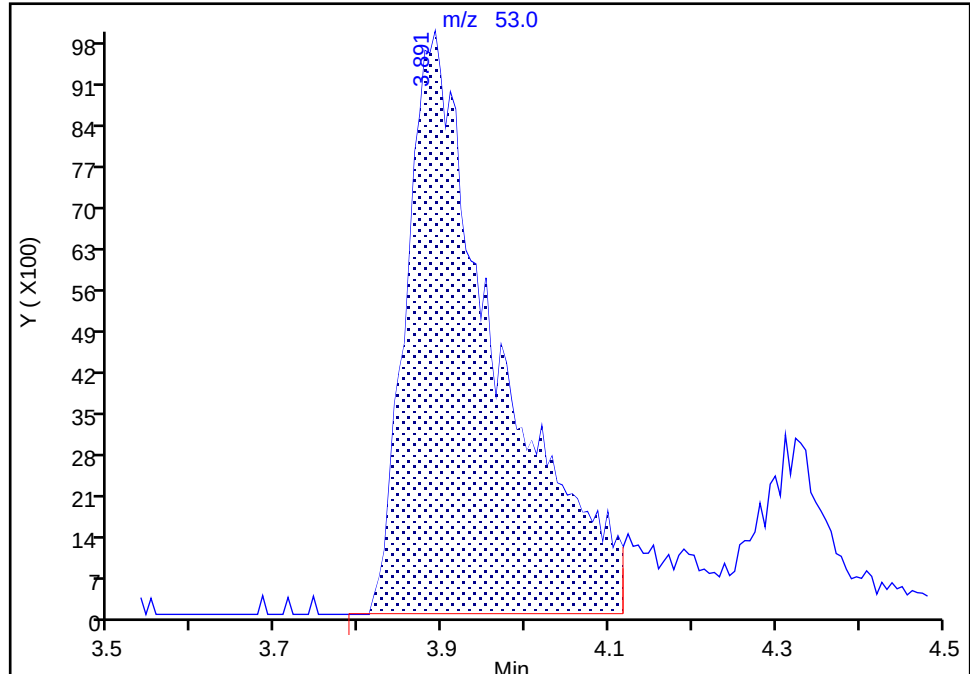
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Injection Date: 03-Dec-2024 17:34:30 Instrument ID: 16334
Lims ID: IC std5
Client ID:
Operator ID: knk41612 ALS Bottle#: 6 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

32 Acrylonitrile, CAS: 107-13-1

Signal: 1

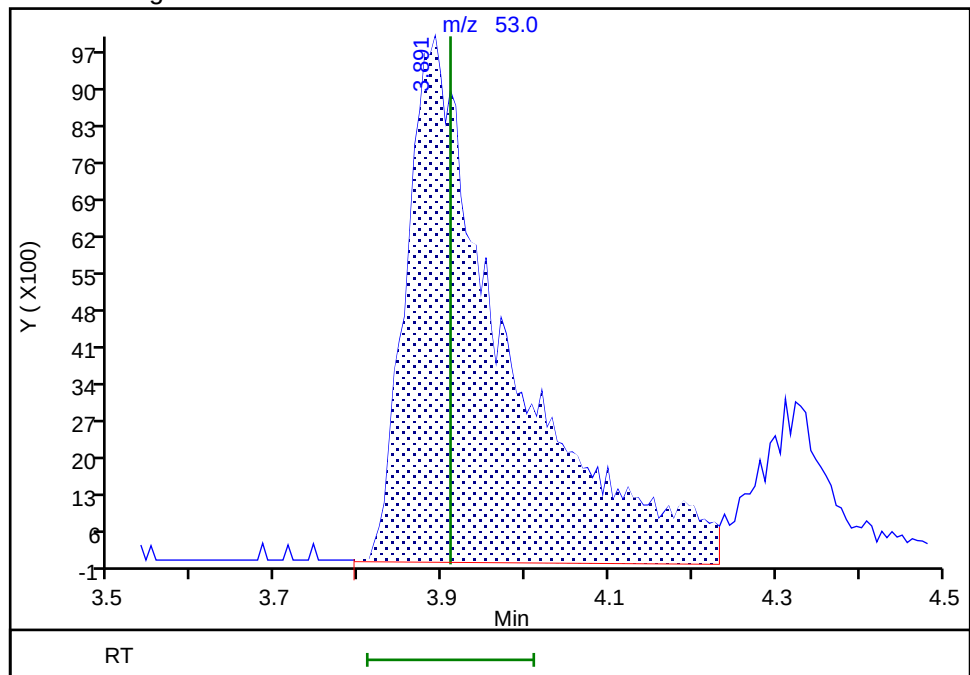
RT: 3.89
Area: 75444
Amount: 13.111902
Amount Units: ug/l

Processing Integration Results



RT: 3.89
Area: 83133
Amount: 14.507764
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-Dec-2024 08:22:19 -05:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

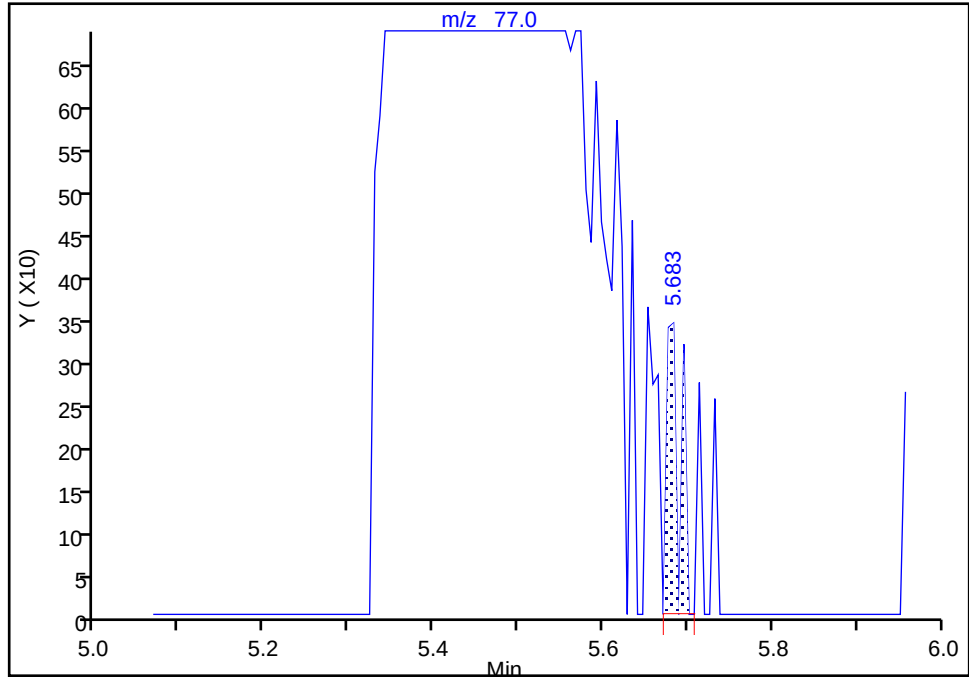
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Injection Date: 03-Dec-2024 17:34:30 Instrument ID: 16334
Lims ID: IC std5
Client ID:
Operator ID: knk41612 ALS Bottle#: 6 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

43 2,2-Dichloropropane, CAS: 594-20-7

Signal: 1

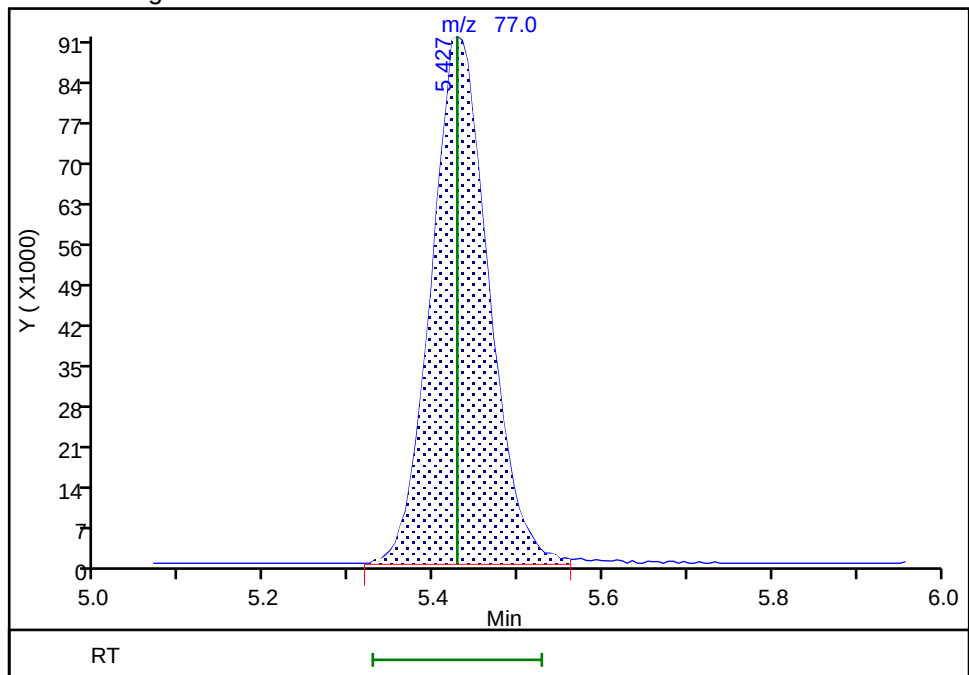
RT: 5.68
Area: 365
Amount: 0.006511
Amount Units: ug/l

Processing Integration Results



RT: 5.43
Area: 429482
Amount: 5.385703
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-Dec-2024 08:13:37 -05:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

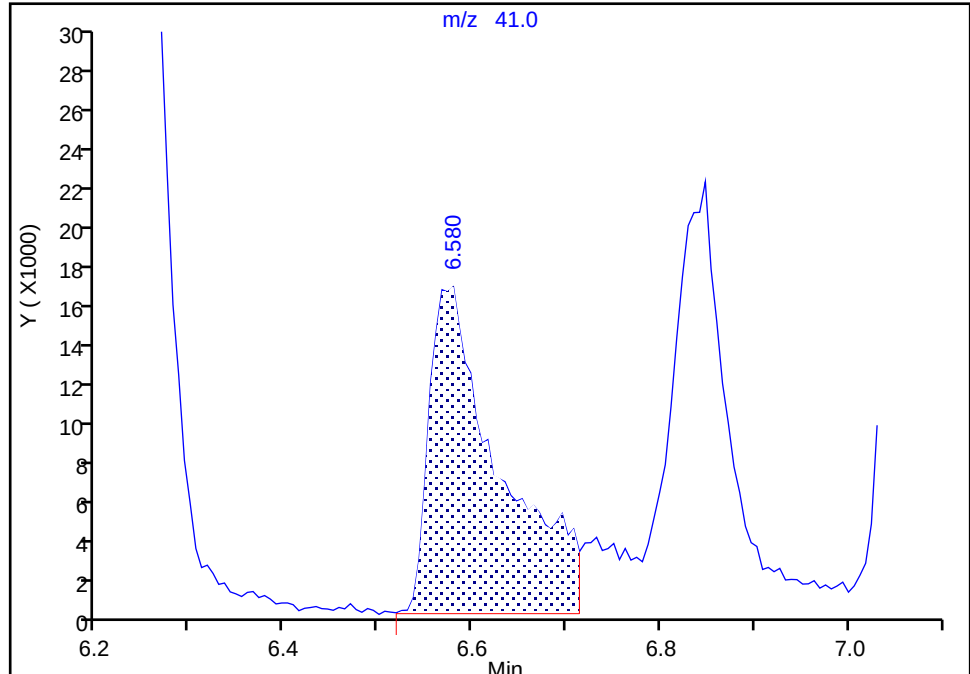
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Injection Date: 03-Dec-2024 17:34:30 Instrument ID: 16334
Lims ID: IC std5
Client ID:
Operator ID: knk41612 ALS Bottle#: 6 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

58 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

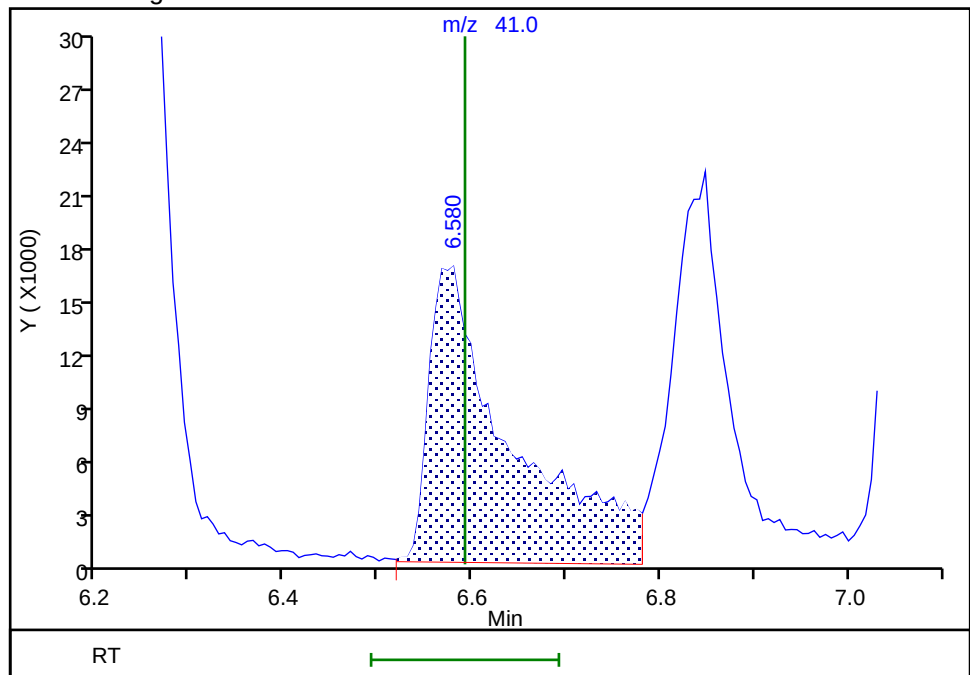
RT: 6.58
Area: 84156
Amount: 271.3449
Amount Units: ug/l

Processing Integration Results



RT: 6.58
Area: 99540
Amount: 281.0002
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-Dec-2024 08:37:15 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

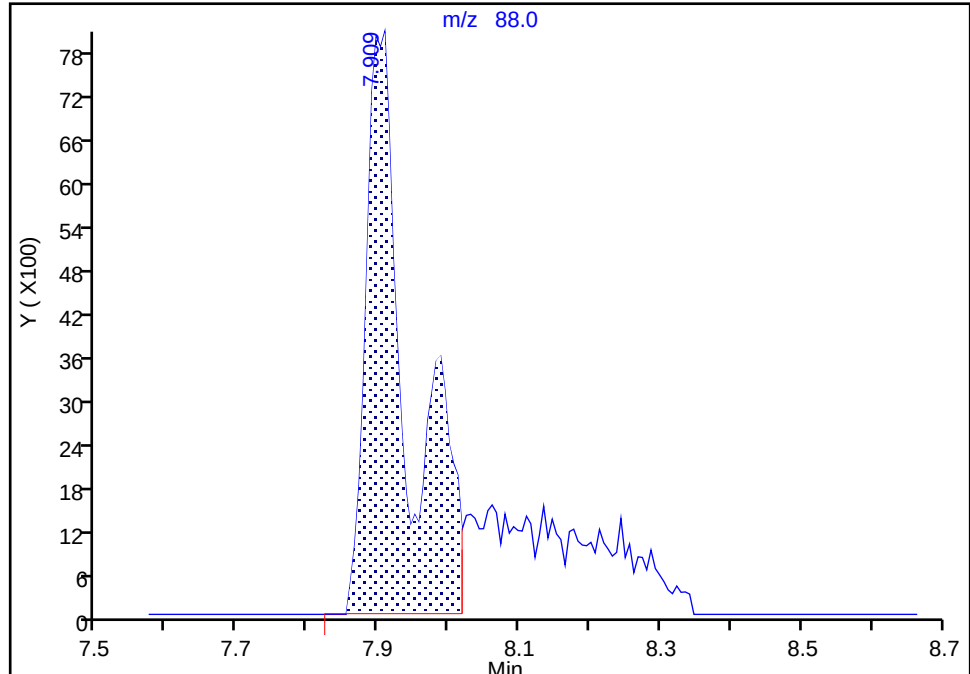
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Injection Date: 03-Dec-2024 17:34:30 Instrument ID: 16334
Lims ID: IC std5
Client ID:
Operator ID: knk41612 ALS Bottle#: 6 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

73 1,4-Dioxane, CAS: 123-91-1

Signal: 1

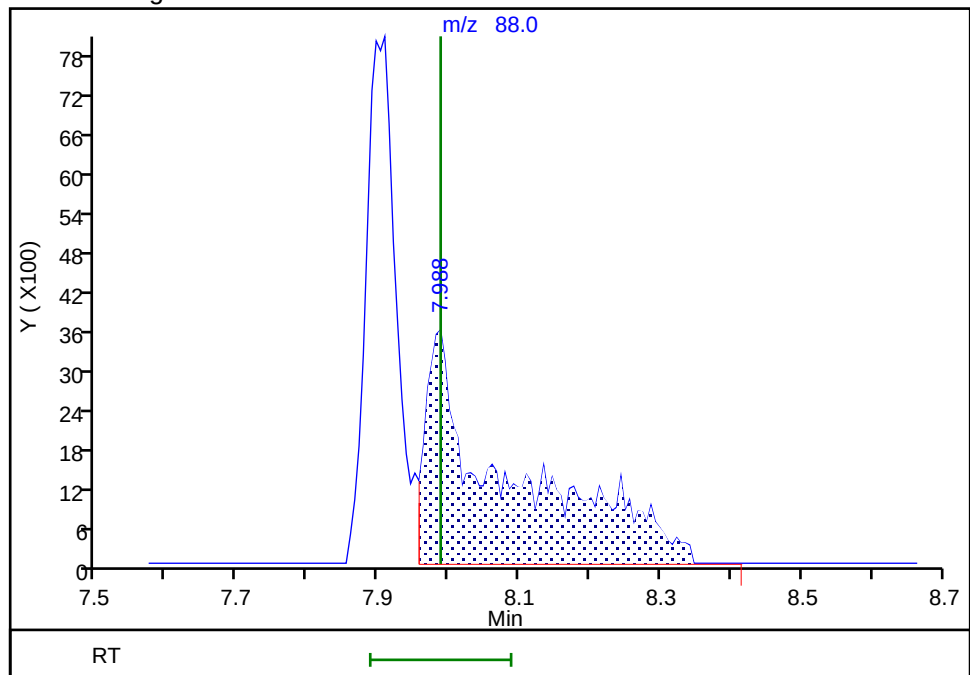
RT: 7.91
Area: 33489
Amount: 311.0411
Amount Units: ug/l

Processing Integration Results



RT: 7.99
Area: 28481
Amount: 305.5423
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-Dec-2024 08:18:12 -05:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

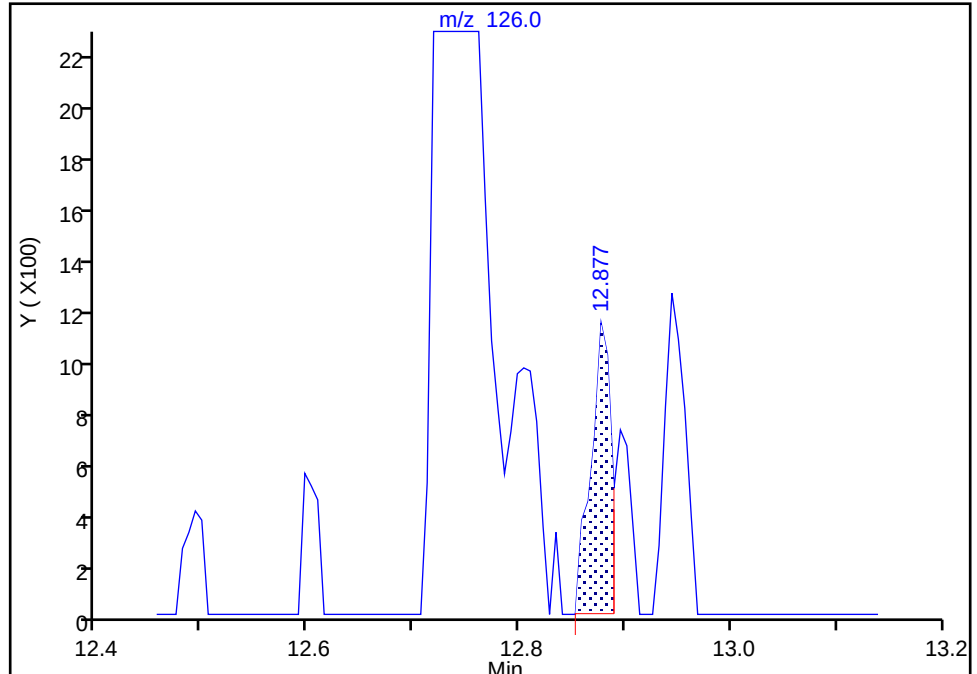
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Injection Date: 03-Dec-2024 17:34:30 Instrument ID: 16334
Lims ID: IC std5
Client ID:
Operator ID: knk41612 ALS Bottle#: 6 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm i.d.) Detector: MS Quad

145 Benzyl chloride, CAS: 100-44-7

Signal: 1

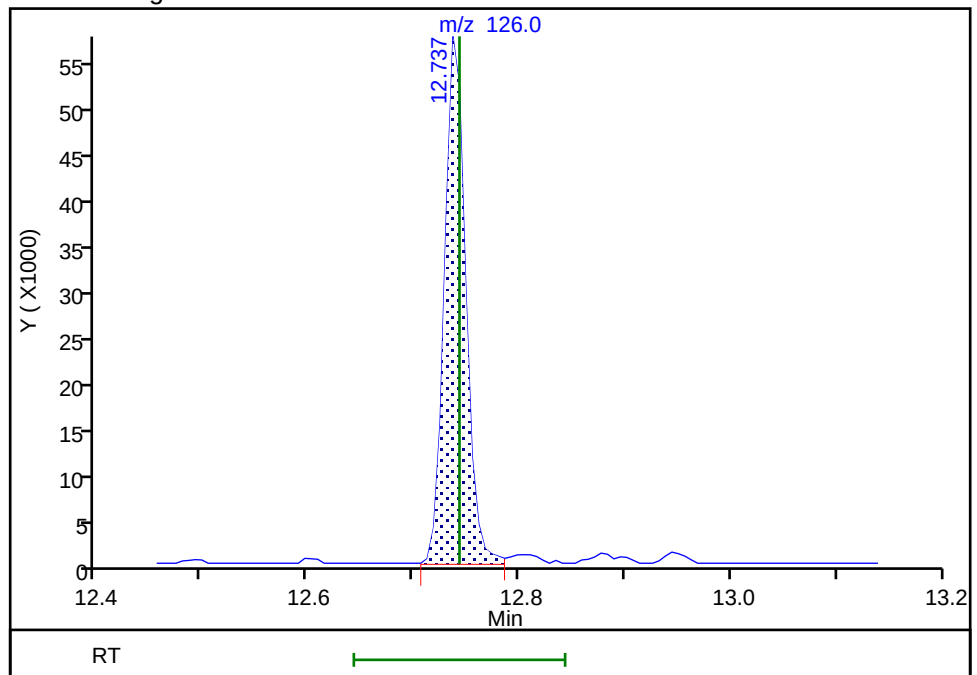
RT: 12.88
Area: 1475
Amount: 0.225445
Amount Units: ug/l

Processing Integration Results



RT: 12.74
Area: 79734
Amount: 5.556905
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-Dec-2024 08:11:07 -05:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X17.D
 Lims ID: ICIS std6
 Client ID:
 Sample Type: ICIS Calib Level: 6
 Inject. Date: 03-Dec-2024 17:56:30 ALS Bottle#: 7 Worklist Smp#: 18
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0132221-018
 Misc. Info.: ICIS STD6
 Operator ID: knk41612 Instrument ID: 16334
 Sublist: chrom-MSV_16334_25mL*sub4
 Method: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\MSV_16334_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 09-Dec-2024 09:42:36 Calib Date: 03-Dec-2024 18:18:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1610

First Level Reviewer: DVW2

Date: 04-Dec-2024 08:10:48

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.709	1.709	0.000	99	654728	10.0	10.1	
5 Chloromethane	50	1.879	1.879	0.000	99	725018	10.0	9.31	
7 Butadiene	39	1.965	1.965	0.000	90	692654	10.0	9.66	
6 Vinyl chloride	62	1.977	1.977	0.000	98	674953	10.0	9.57	
9 Bromomethane	94	2.269	2.269	0.000	92	422617	10.0	9.21	M
10 Chloroethane	64	2.306	2.306	0.000	100	315535	10.0	8.85	
11 Dichlorofluoromethane	67	2.507	2.507	0.000	96	921288	10.0	9.23	
12 Trichlorofluoromethane	101	2.599	2.599	0.000	98	761739	10.0	9.75	
13 Ethyl ether	59	2.763	2.763	0.000	91	275384	10.0	9.62	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	2.843	2.843	0.000	91	534020	10.0	9.06	
17 Acrolein	56	2.910	2.910	0.000	100	1763294	487.9	541.6	M
18 1,1-Dichloroethene	96	3.025	3.025	0.000	98	429658	10.0	9.39	
19 Acetone	43	3.062	3.062	0.000	69	400224	100.0	86.6	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.068	3.068	0.000	93	481404	10.0	10.0	
22 Iodomethane	142	3.190	3.190	0.000	100	855203	10.0	9.66	
21 Isopropyl alcohol	45	3.178	3.178	0.000	26	115993	200.0	224.6	M
23 Ethyl bromide	108	3.214	3.214	0.000	99	404514	10.0	10.0	
24 Carbon disulfide	76	3.275	3.275	0.000	99	1637209	10.0	9.76	
25 Methyl acetate	43	3.409	3.409	0.000	23	207094	10.0	10.6	M
27 3-Chloro-1-propene	41	3.422	3.422	0.000	93	763949	10.0	9.60	
29 Methylene Chloride	84	3.580	3.580	0.000	92	481443	10.0	9.51	
* 30 t-Butyl alcohol-d10 (IS)	65	3.629	3.629	0.000	100	80518	50.0	50.0	M
31 2-Methyl-2-propanol	59	3.720	3.720	0.000	99	179876	200.0	190.1	
32 Acrylonitrile	53	3.879	3.879	0.000	99	161520	25.0	25.5	
34 trans-1,2-Dichloroethene	96	3.934	3.934	0.000	99	516700	10.0	9.61	
33 Methyl tert-butyl ether	73	3.928	3.928	0.000	96	1025431	10.0	10.0	
35 Hexane	57	4.330	4.330	0.000	91	733509	10.0	10.4	
37 1,1-Dichloroethane	63	4.562	4.562	0.000	96	944776	10.0	9.69	
38 Isopropyl ether	45	4.635	4.635	0.000	94	1532789	10.0	10.0	
39 2-Chloro-1,3-butadiene	53	4.678	4.678	0.000	90	760188	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
40 Tert-butyl ethyl ether	59	5.190	5.190	0.000	98	1365983	10.0	10.1	
41 2-Butanone (MEK)	43	5.391	5.391	0.000	99	808081	100.0	102.1	
42 cis-1,2-Dichloroethene	96	5.421	5.421	0.000	82	576496	10.0	9.80	
43 2,2-Dichloropropane	77	5.440	5.440	0.000	86	794372	10.0	9.57	a
45 Propionitrile	54	5.488	5.488	0.000	99	459203	200.0	196.1	
48 Methacrylonitrile	67	5.702	5.702	0.000	91	930194	100.0	108.9	
49 Chlorobromomethane	128	5.757	5.757	0.000	93	223982	10.0	10.1	
50 Tetrahydrofuran	71	5.781	5.781	0.000	86	119325	50.0	52.7	
51 Chloroform	83	5.921	5.921	0.000	93	923970	10.0	9.66	
53 1,1,1-Trichloroethane	97	6.141	6.141	0.000	98	808976	10.0	9.56	
\$ 52 Dibromofluoromethane (Surr)	113	6.141	6.141	0.000	92	485373	10.0	10.1	
54 Cyclohexane	56	6.244	6.244	0.000	89	871204	10.0	10.3	
55 Carbon tetrachloride	117	6.360	6.360	0.000	96	705791	10.0	9.75	
56 1,1-Dichloropropene	75	6.366	6.366	0.000	98	745514	10.0	9.87	
58 Isobutyl alcohol	41	6.567	6.567	0.000	91	189328	500.0	513.6	M
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.592	6.592	0.000	89	93861	10.0	10.3	
60 Benzene	78	6.628	6.628	0.000	97	2155320	10.0	9.56	
61 1,2-Dichloroethane	62	6.702	6.702	0.000	97	497648	10.0	9.64	M
63 Tert-amyl methyl ether	73	6.842	6.842	0.000	99	1140045	10.0	10.2	
* 64 Fluorobenzene (IS)	96	7.049	7.049	0.000	98	2029850	10.0	10.0	
65 n-Heptane	43	7.073	7.073	0.000	94	705660	10.0	10.2	
67 n-Butanol	56	7.482	7.482	0.000	91	282300	875.0	854.2	
68 Trichloroethene	95	7.537	7.537	0.000	99	566926	10.0	9.79	
69 Methylcyclohexane	83	7.842	7.842	0.000	91	929220	10.0	10.5	
70 1,2-Dichloropropane	63	7.872	7.872	0.000	97	535168	10.0	9.81	
71 2-ethoxy-2-methyl butane	87	7.909	7.909	0.000	95	804347	10.0	10.2	
74 Dibromomethane	93	7.982	7.982	0.000	97	220005	10.0	9.83	
73 1,4-Dioxane	88	7.976	7.976	0.000	30	54833	500.0	532.7	M
72 Methyl methacrylate	69	7.988	7.988	0.000	91	174082	10.0	10.7	
76 Dichlorobromomethane	83	8.232	8.232	0.000	100	625244	10.0	10.0	
77 2-Nitropropane	41	8.512	8.512	0.000	99	243849	50.0	49.3	
79 1-Bromo-2-chloroethane	63	8.622	8.622	0.000	99	490806	10.0	10.5	
81 cis-1,3-Dichloropropene	75	8.799	8.799	0.000	97	784476	10.0	10.2	
82 4-Methyl-2-pentanone (MIBK)	43	9.006	9.006	0.000	96	2194385	100.0	107.2	
\$ 83 Toluene-d8 (Surr)	98	9.140	9.140	0.000	93	2060036	10.0	10.0	
84 Toluene	92	9.225	9.225	0.000	98	1387859	10.0	9.72	
85 trans-1,3-Dichloropropene	75	9.518	9.518	0.000	92	617479	10.0	10.3	
86 Ethyl methacrylate	69	9.609	9.609	0.000	88	398554	10.0	11.1	
107 1,1,2-Trichloroethane	97	9.737	9.737	0.000	91	323678	10.0	9.81	
108 Tetrachloroethene	166	9.823	9.823	0.000	97	623584	10.0	9.68	
109 1,3-Dichloropropane	76	9.908	9.908	0.000	89	571245	10.0	10.0	
110 2-Hexanone	43	9.987	9.987	0.000	96	1545408	100.0	108.7	
112 Chlorodibromomethane	129	10.134	10.134	0.000	92	412795	10.0	10.3	
113 Ethylene Dibromide	107	10.243	10.243	0.000	98	303700	10.0	10.4	
* 114 Chlorobenzene-d5 (IS)	117	10.707	10.707	0.000	85	1481835	10.0	10.0	
116 Chlorobenzene	112	10.731	10.731	0.000	95	1550930	10.0	9.67	
115 1-Chlorohexane	91	10.731	10.731	0.000	96	743300	10.0	9.67	
117 1,1,1,2-Tetrachloroethane	131	10.823	10.823	0.000	96	517028	10.0	9.94	
118 Ethylbenzene	91	10.829	10.829	0.000	98	2764550	10.0	9.95	
120 m-Xylene & p-Xylene	106	10.951	10.951	0.000	100	2143990	20.0	20.0	
121 o-Xylene	106	11.292	11.292	0.000	96	1032187	10.0	10.1	
122 Styrene	104	11.310	11.310	0.000	95	1671286	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
123 Bromoform	173	11.463	11.463	0.000	96	218778	10.0	10.5	
124 Isopropylbenzene	105	11.603	11.603	0.000	95	2457615	10.0	10.2	
\$ 127 4-Bromofluorobenzene (Surr)	95	11.743	11.743	0.000	89	717786	10.0	10.1	
128 1,1,2,2-Tetrachloroethane	83	11.859	11.859	0.000	94	370026	10.0	10.1	
129 Bromobenzene	156	11.859	11.859	0.000	93	607331	10.0	9.86	
130 trans-1,4-Dichloro-2-butene	53	11.883	11.883	0.000	91	890726	100.0	102.1	
131 1,2,3-Trichloropropane	110	11.902	11.902	0.000	78	97608	10.0	9.97	
132 N-Propylbenzene	91	11.938	11.938	0.000	99	3294955	10.0	9.96	
133 2-Chlorotoluene	126	12.011	12.011	0.000	96	638769	10.0	9.71	
134 1,3,5-Trimethylbenzene	105	12.085	12.085	0.000	93	2376550	10.0	10.2	
135 4-Chlorotoluene	126	12.103	12.103	0.000	98	670929	10.0	9.86	
136 tert-Butylbenzene	134	12.322	12.322	0.000	93	511570	10.0	10.1	
137 Pentachloroethane	167	12.353	12.353	0.000	92	372186	10.0	10.7	
138 1,2,4-Trimethylbenzene	105	12.365	12.365	0.000	97	2452311	10.0	10.3	
139 sec-Butylbenzene	105	12.487	12.487	0.000	94	3076991	10.0	10.2	
140 1,3-Dichlorobenzene	146	12.585	12.585	0.000	98	1283400	10.0	9.79	
141 4-Isopropyltoluene	119	12.603	12.603	0.000	97	2658919	10.0	10.3	
* 142 1,4-Dichlorobenzene-d4	152	12.639	12.639	0.000	95	792188	10.0	10.0	
143 1,4-Dichlorobenzene	146	12.658	12.658	0.000	95	1268318	10.0	9.47	
144 1,2,3-Trimethylbenzene	120	12.676	12.676	0.000	98	1008016	10.0	9.87	
145 Benzyl chloride	126	12.737	12.737	0.000	98	158969	10.0	10.7	a
146 p-Diethylbenzene	119	12.877	12.877	0.000	93	1621004	10.0	10.2	
147 n-Butylbenzene	92	12.895	12.895	0.000	97	1343790	10.0	10.1	
148 1,2-Dichlorobenzene	146	12.920	12.920	0.000	98	1098625	10.0	9.66	
150 1,2-Dibromo-3-Chloropropane	155	13.462	13.462	0.000	83	46064	10.0	10.7	
151 1,3,5-Trichlorobenzene	180	13.590	13.590	0.000	98	1021576	10.0	9.91	
152 1,2,4-Trichlorobenzene	180	14.011	14.011	0.000	94	818098	10.0	9.95	
153 Hexachlorobutadiene	225	14.103	14.103	0.000	98	441283	10.0	9.84	
154 Naphthalene	128	14.188	14.188	0.000	97	1167840	10.0	10.7	
155 1,2,3-Trichlorobenzene	180	14.334	14.334	0.000	96	645626	10.0	10.1	
156 2-Methylnaphthalene	142	14.919	14.919	0.000	92	588715	10.0	9.80	
167 Pentane	43	2.769	2.769	0.000	39	47154	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_LL_#1_826_00155

Amount Added: 10.00

Units: uL

MSV_LL_#2_826_00163

Amount Added: 10.00

Units: uL

MSV_LL_GAS826_00247

Amount Added: 10.00

Units: uL

MSV_29_826ISS_00057

Amount Added: 1.20

Units: uL

Run Reagent

Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X17.D

Injection Date: 03-Dec-2024 17:56:30

Instrument ID: 16334

Operator ID: knk41612

Lims ID: ICIS std6

Worklist Smp#: 18

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

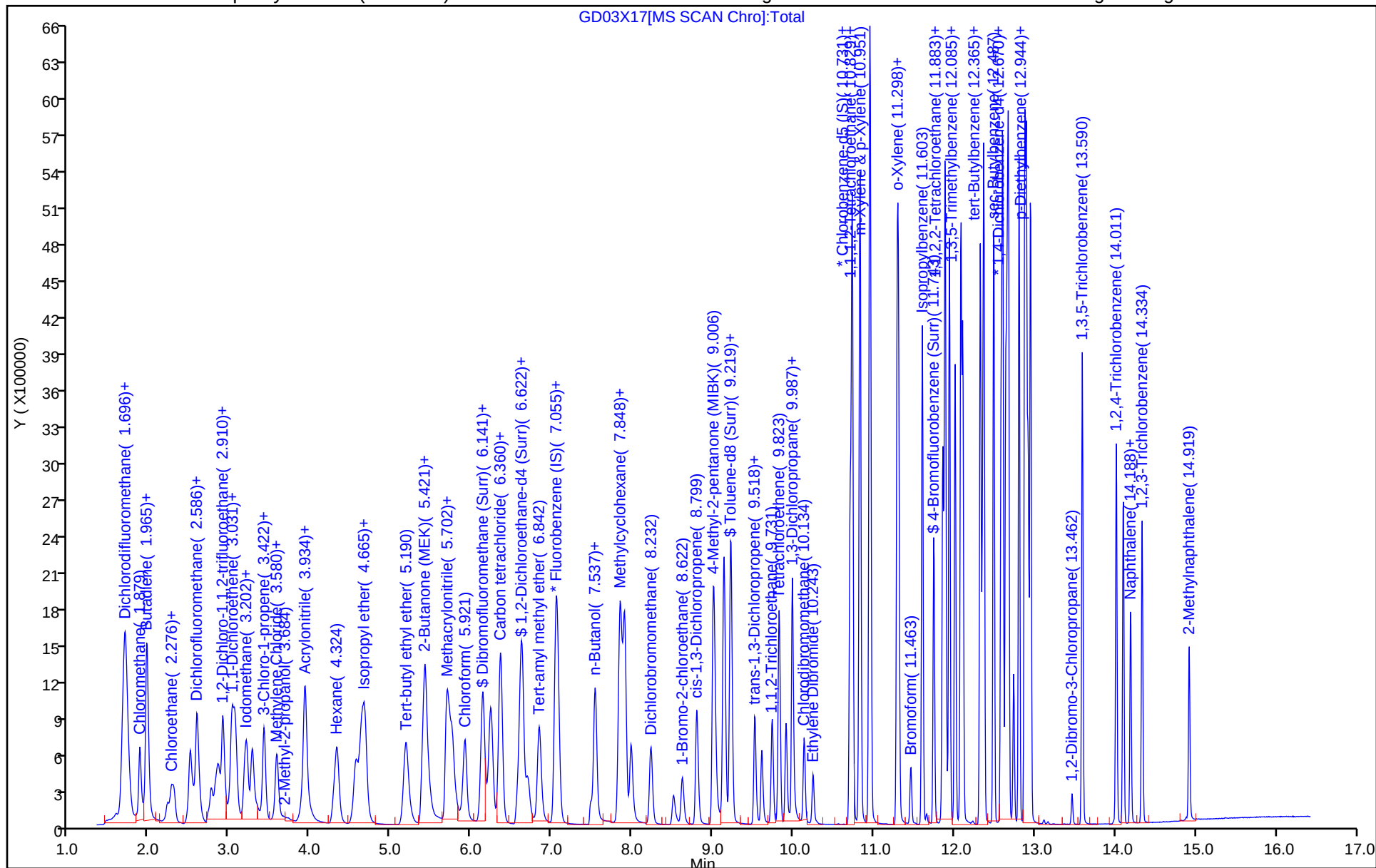
ALS Bottle#: 7

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

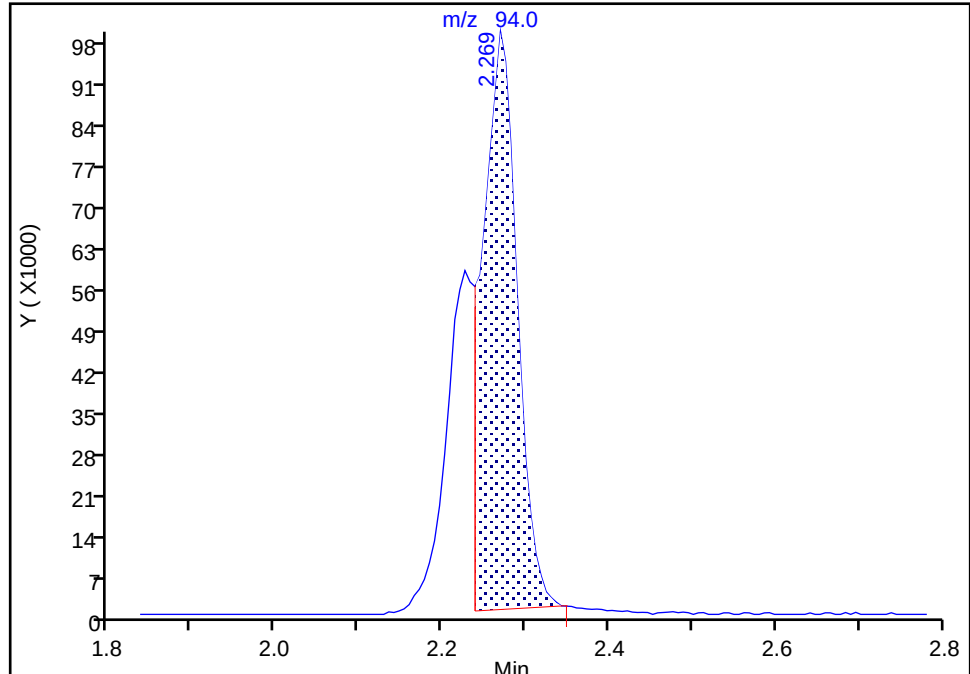
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Injection Date: 03-Dec-2024 17:56:30 Instrument ID: 16334
Lims ID: ICIS std6
Client ID:
Operator ID: knk41612 ALS Bottle#: 7 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

9 Bromomethane, CAS: 74-83-9

Signal: 1

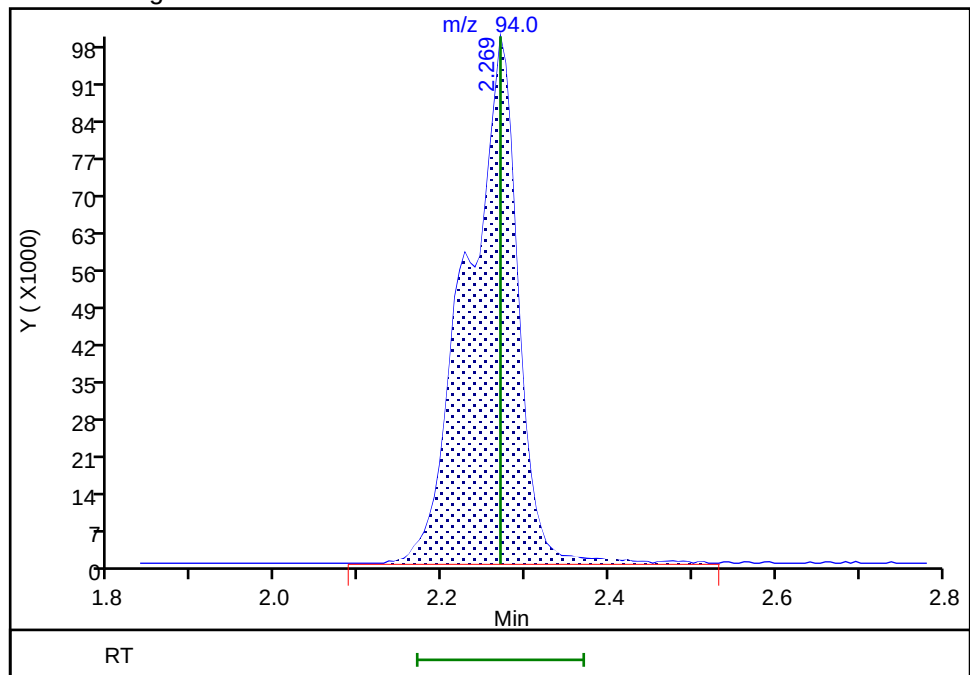
RT: 2.27
Area: 284538
Amount: 6.479038
Amount Units: ug/l

Processing Integration Results



RT: 2.27
Area: 422617
Amount: 9.209497
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-Dec-2024 08:55:14 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

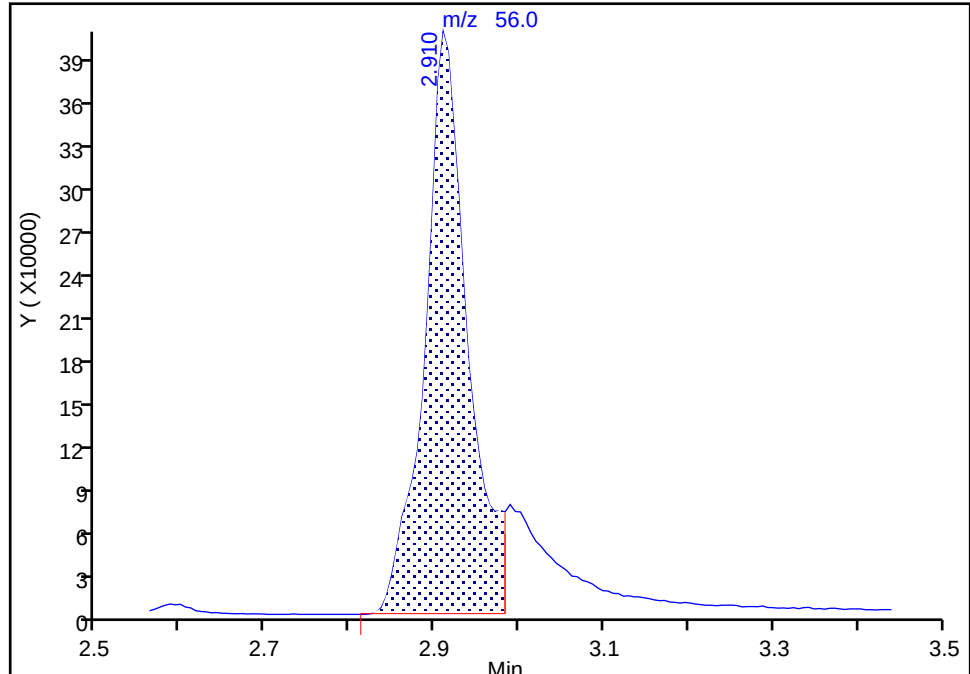
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Injection Date: 03-Dec-2024 17:56:30 Instrument ID: 16334
Lims ID: ICIS std6
Client ID:
Operator ID: knk41612 ALS Bottle#: 7 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm i.d.) Detector: MS Quad

17 Acrolein, CAS: 107-02-8

Signal: 1

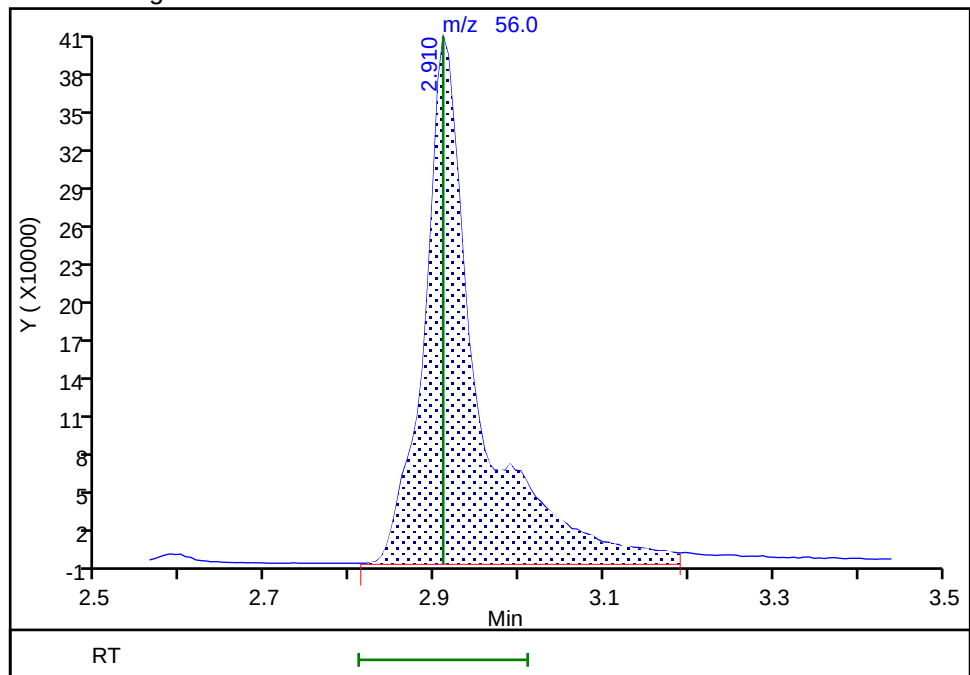
RT: 2.91
Area: 1420907
Amount: 486.1264
Amount Units: ug/l

Processing Integration Results



RT: 2.91
Area: 1763294
Amount: 541.6306
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-Dec-2024 08:41:24 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

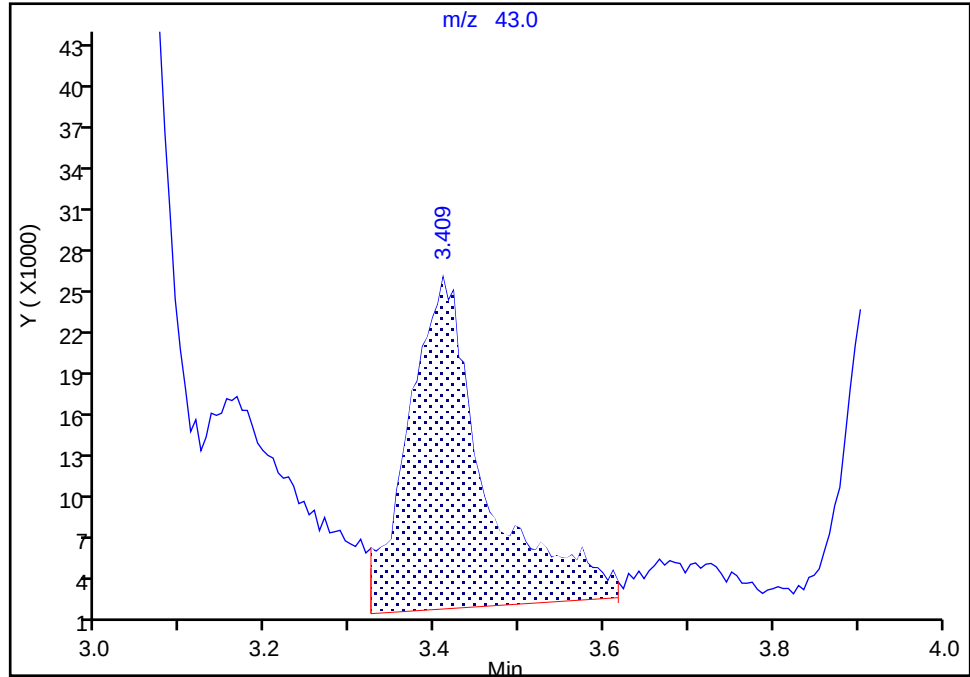
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Injection Date: 03-Dec-2024 17:56:30 Instrument ID: 16334
Lims ID: ICIS std6
Client ID:
Operator ID: knk41612 ALS Bottle#: 7 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

25 Methyl acetate, CAS: 79-20-9

Signal: 1

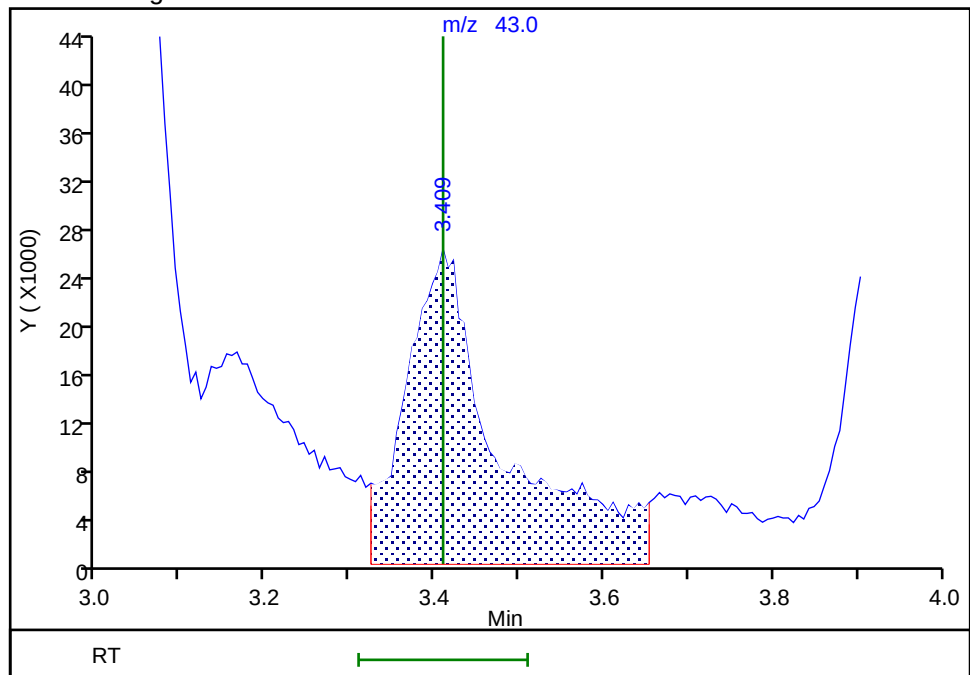
RT: 3.41
Area: 152404
Amount: 12.523636
Amount Units: ug/l

Processing Integration Results



RT: 3.41
Area: 207094
Amount: 10.628721
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 08-Dec-2024 11:36:06 -05:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Baseline

Eurofins Lancaster Laboratories Environment Testing, LLC

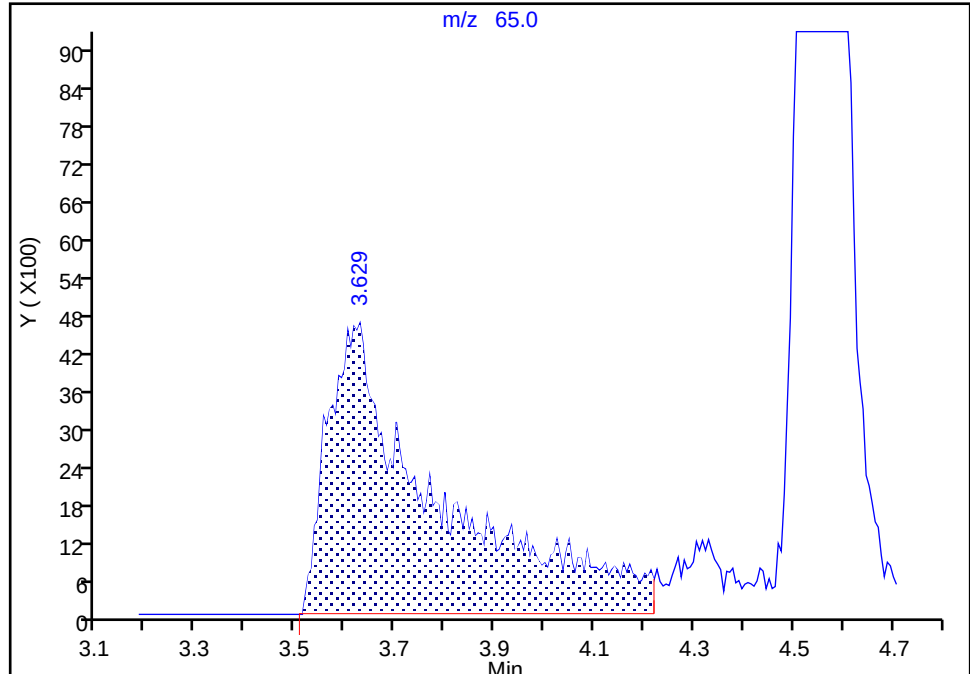
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Injection Date: 03-Dec-2024 17:56:30 Instrument ID: 16334
Lims ID: ICIS std6
Client ID:
Operator ID: knk41612 ALS Bottle#: 7 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

* 30 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

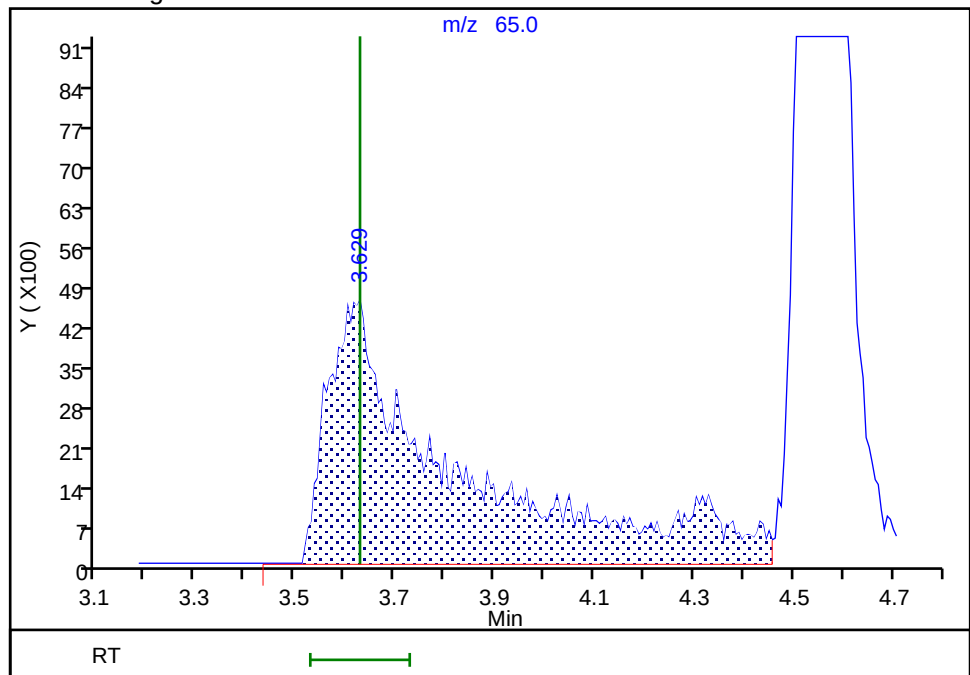
RT: 3.63
Area: 70677
Amount: 49.998300
Amount Units: ug/l

Processing Integration Results



RT: 3.63
Area: 80518
Amount: 49.998300
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-Dec-2024 08:09:19 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

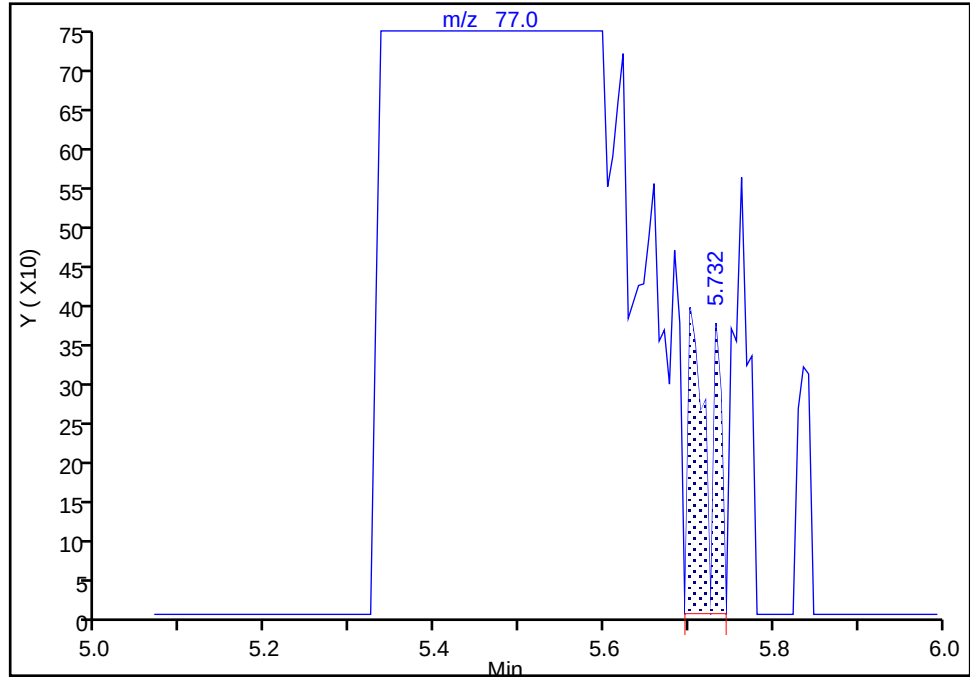
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Injection Date: 03-Dec-2024 17:56:30 Instrument ID: 16334
Lims ID: ICIS std6
Client ID:
Operator ID: knk41612 ALS Bottle#: 7 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

43 2,2-Dichloropropane, CAS: 594-20-7

Signal: 1

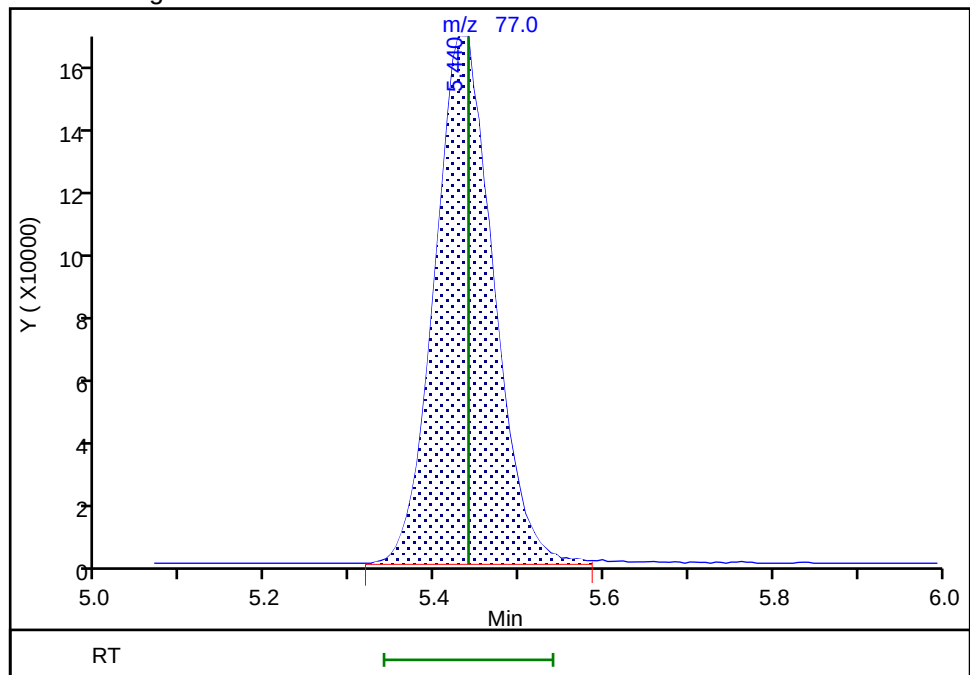
RT: 5.73
Area: 704
Amount: 13.738635
Amount Units: ug/l

Processing Integration Results



RT: 5.44
Area: 794372
Amount: 9.572471
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-Dec-2024 08:09:46 -05:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

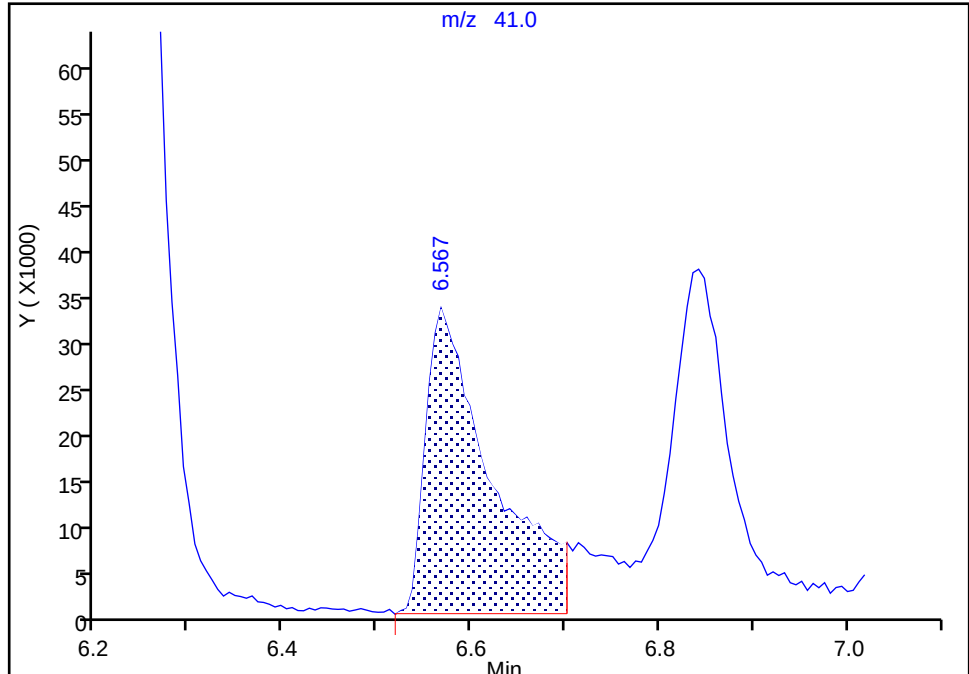
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Injection Date: 03-Dec-2024 17:56:30 Instrument ID: 16334
Lims ID: ICIS std6
Client ID:
Operator ID: knk41612 ALS Bottle#: 7 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

58 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

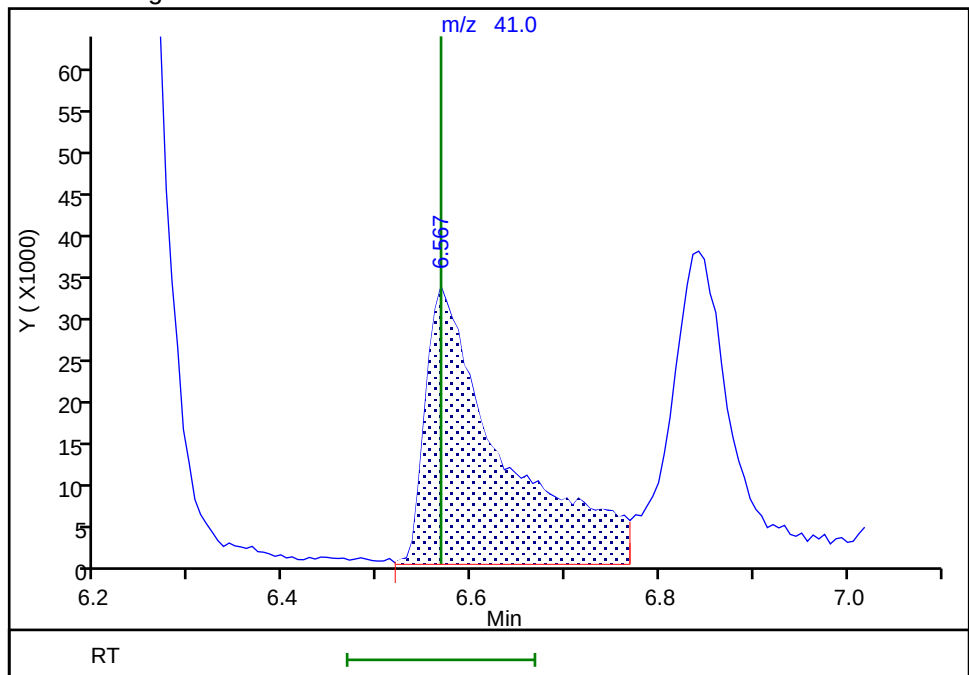
RT: 6.57
Area: 163223
Amount: 517.6961
Amount Units: ug/l

Processing Integration Results



RT: 6.57
Area: 189328
Amount: 513.6018
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-Dec-2024 08:37:04 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

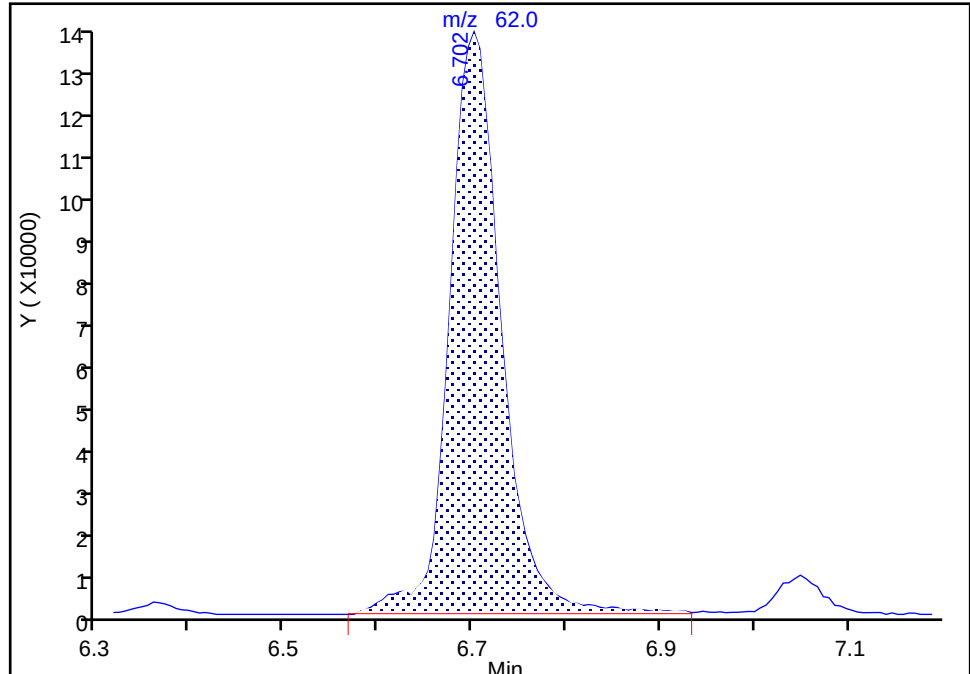
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Injection Date: 03-Dec-2024 17:56:30 Instrument ID: 16334
Lims ID: ICIS std6
Client ID:
Operator ID: knk41612 ALS Bottle#: 7 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

61 1,2-Dichloroethane, CAS: 107-06-2

Signal: 1

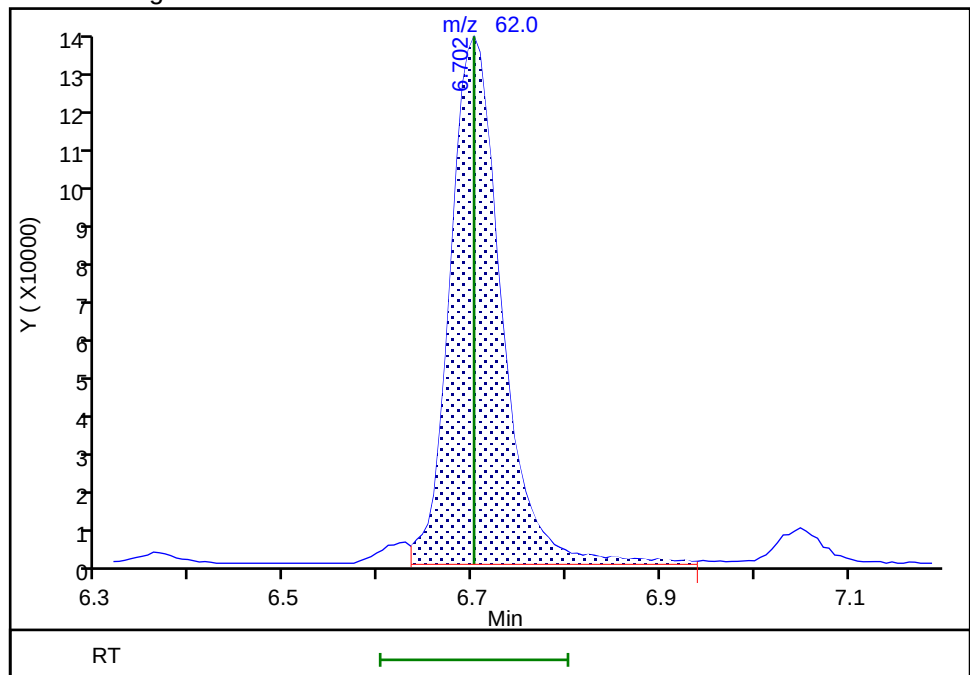
RT: 6.70
Area: 507942
Amount: 9.782178
Amount Units: ug/l

Processing Integration Results



RT: 6.70
Area: 497648
Amount: 9.635710
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 08-Dec-2024 11:23:05 -05:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Shouldering

Eurofins Lancaster Laboratories Environment Testing, LLC

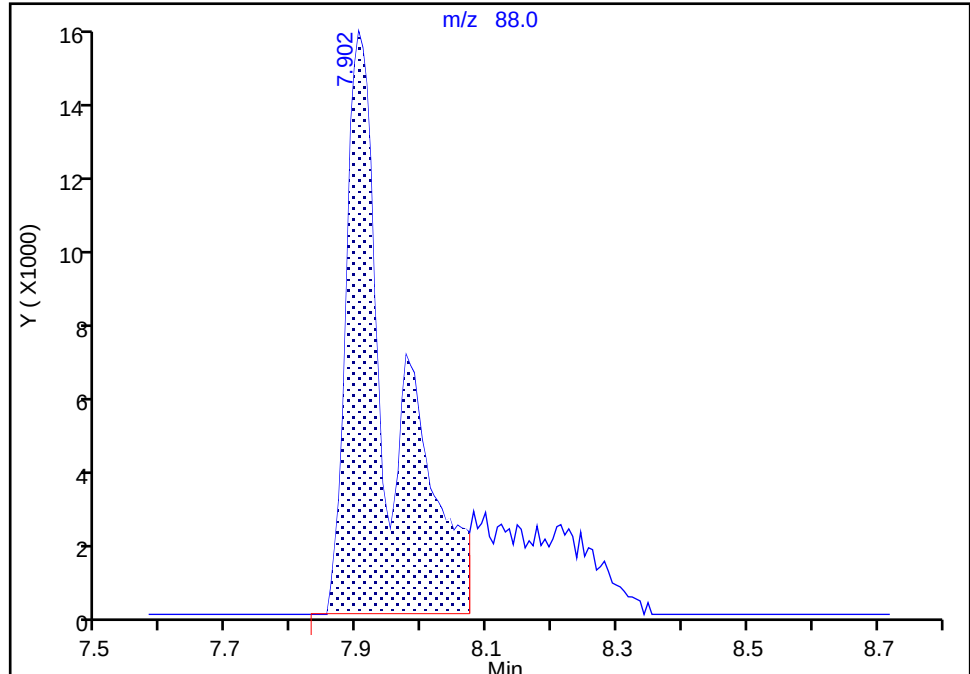
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Injection Date: 03-Dec-2024 17:56:30 Instrument ID: 16334
Lims ID: ICIS std6
Client ID:
Operator ID: knk41612 ALS Bottle#: 7 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

73 1,4-Dioxane, CAS: 123-91-1

Signal: 1

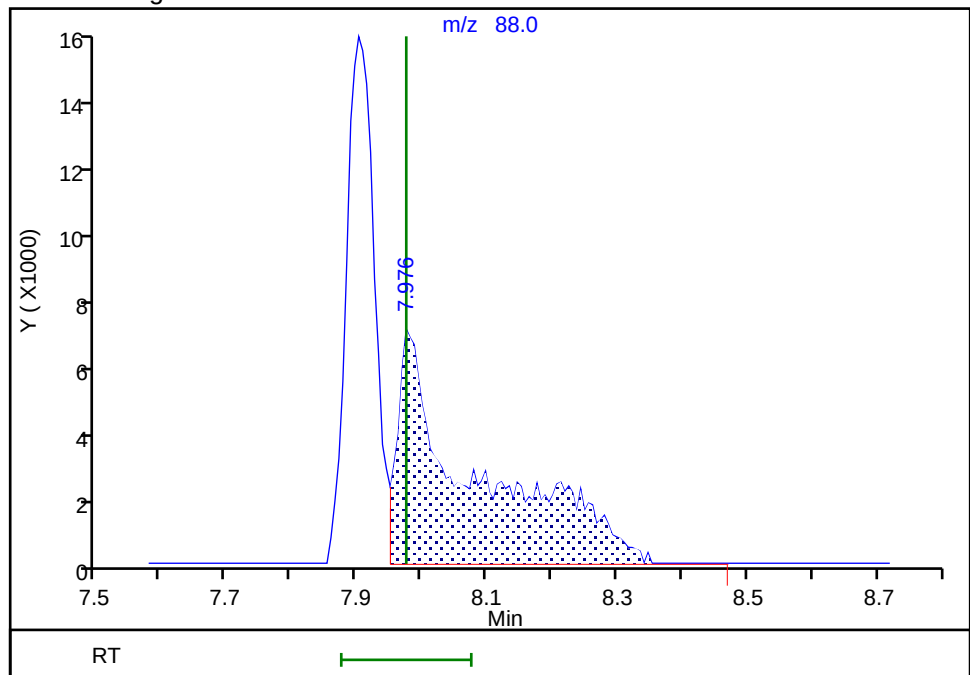
RT: 7.90
Area: 72752
Amount: 462.9532
Amount Units: ug/l

Processing Integration Results



RT: 7.98
Area: 54833
Amount: 532.6992
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-Dec-2024 08:10:18 -05:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

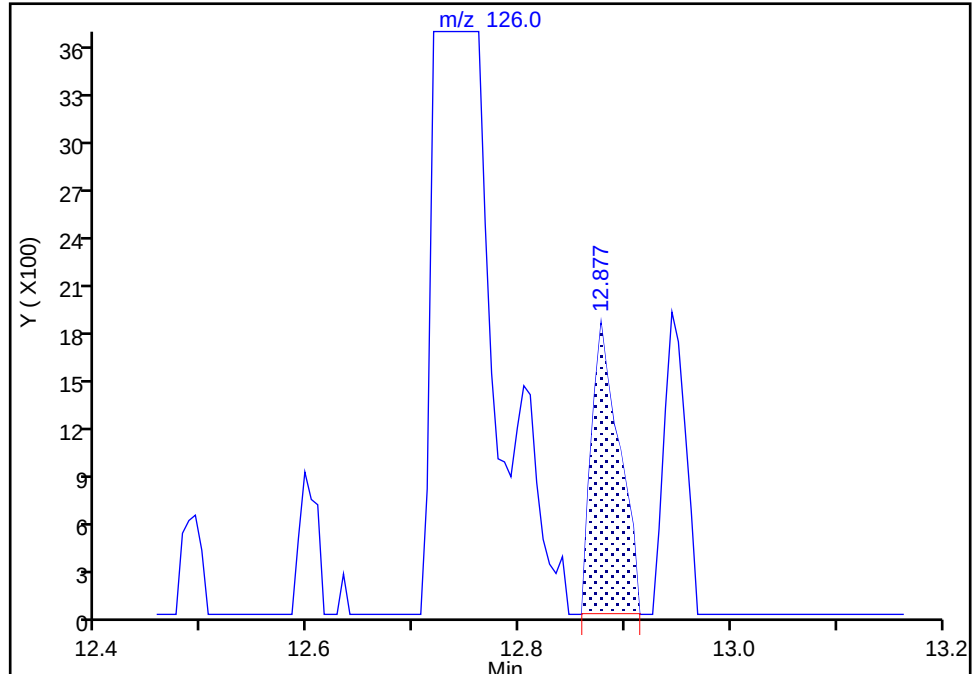
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Injection Date: 03-Dec-2024 17:56:30 Instrument ID: 16334
Lims ID: ICIS std6
Client ID:
Operator ID: knk41612 ALS Bottle#: 7 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

145 Benzyl chloride, CAS: 100-44-7

Signal: 1

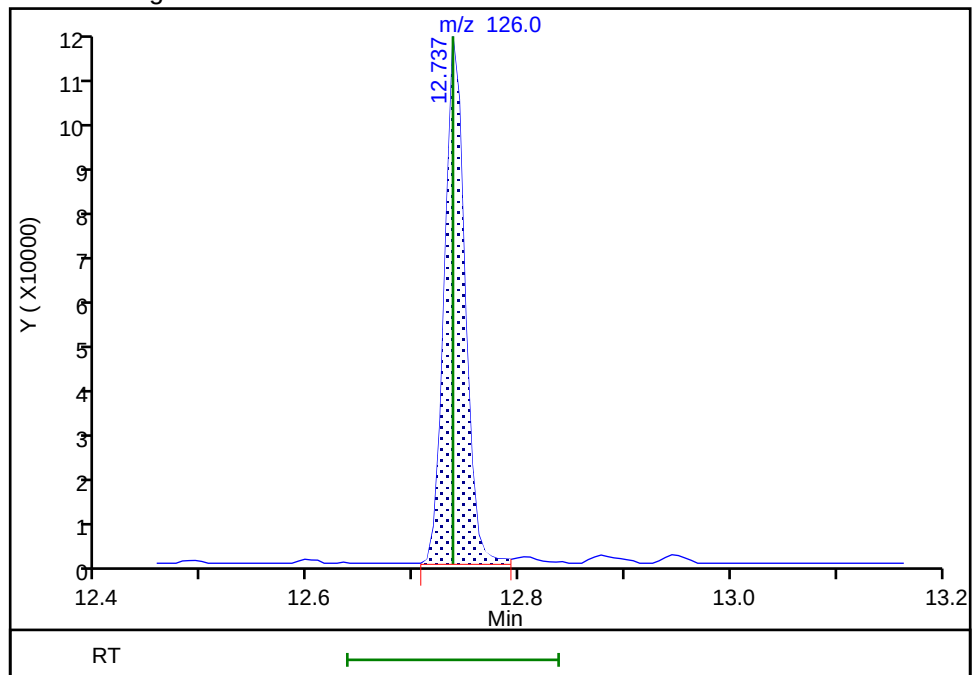
RT: 12.88
Area: 3370
Amount: 13.197255
Amount Units: ug/l

Processing Integration Results



RT: 12.74
Area: 158969
Amount: 10.680912
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-Dec-2024 08:10:37 -05:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X18.D
 Lims ID: IC std7
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 03-Dec-2024 18:18:30 ALS Bottle#: 8 Worklist Smp#: 19
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0132221-019
 Misc. Info.: IC STD7
 Operator ID: knk41612 Instrument ID: 16334
 Sublist: chrom-MSV_16334_25mL*sub4
 Method: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\MSV_16334_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 09-Dec-2024 09:42:46 Calib Date: 03-Dec-2024 18:18:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1610

First Level Reviewer: DVW2

Date: 04-Dec-2024 08:11:01

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.709	1.709	0.000	99	1656902	25.0	25.4	
5 Chloromethane	50	1.885	1.879	0.006	99	1828944	25.0	23.4	
7 Butadiene	39	1.965	1.965	0.000	91	1749685	25.0	24.3	
6 Vinyl chloride	62	1.983	1.977	0.006	98	1724907	25.0	24.3	
9 Bromomethane	94	2.276	2.269	0.007	91	1046630	25.0	22.7	M
10 Chloroethane	64	2.306	2.306	0.000	100	827463	25.0	23.1	
11 Dichlorofluoromethane	67	2.513	2.507	0.006	97	2402364	25.0	23.9	
12 Trichlorofluoromethane	101	2.605	2.599	0.006	98	1934004	25.0	24.6	
13 Ethyl ether	59	2.769	2.763	0.006	90	701826	25.0	24.4	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	2.849	2.843	0.007	93	1485822	25.0	25.1	
17 Acrolein	56	2.916	2.910	0.006	99	5285090	1219.8	1531.4	Ma
18 1,1-Dichloroethene	96	3.032	3.025	0.007	98	1124723	25.0	24.4	
19 Acetone	43	3.056	3.062	-0.006	67	1051222	250.0	214.6	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.068	3.068	0.000	93	1239621	25.0	25.6	
21 Isopropyl alcohol	45	3.214	3.178	0.036	31	296234	500.0	570.5	
22 Iodomethane	142	3.190	3.190	0.000	99	2244364	25.0	25.2	
23 Ethyl bromide	108	3.214	3.214	0.000	98	1016730	25.0	25.1	
24 Carbon disulfide	76	3.282	3.275	0.007	99	4252460	25.0	25.2	
25 Methyl acetate	43	3.416	3.409	0.007	94	509423	25.0	24.7	M
27 3-Chloro-1-propene	41	3.428	3.422	0.006	93	2013079	25.0	25.2	
29 Methylene Chloride	84	3.586	3.580	0.006	92	1261862	25.0	24.8	
* 30 t-Butyl alcohol-d10 (IS)	65	3.623	3.629	-0.006	99	85355	50.0	50.0	M
31 2-Methyl-2-propanol	59	3.720	3.720	0.000	99	477820	500.0	476.3	
32 Acrylonitrile	53	3.879	3.879	0.000	98	432781	62.5	64.5	
33 Methyl tert-butyl ether	73	3.934	3.928	0.006	76	2724781	25.0	26.5	
34 trans-1,2-Dichloroethene	96	3.934	3.934	0.000	99	1365879	25.0	25.3	
35 Hexane	57	4.330	4.330	0.000	91	1868531	25.0	26.4	
37 1,1-Dichloroethane	63	4.568	4.562	0.006	96	2490248	25.0	25.4	
38 Isopropyl ether	45	4.641	4.635	0.006	94	4079586	25.0	26.5	
39 2-Chloro-1,3-butadiene	53	4.678	4.678	0.000	90	2007829	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	5.196	5.190	0.006	97	3693215	25.0	27.2	
41 2-Butanone (MEK)	43	5.397	5.391	0.006	100	2152705	250.0	256.5	
42 cis-1,2-Dichloroethene	96	5.421	5.421	0.000	82	1529983	25.0	25.9	
43 2,2-Dichloropropane	77	5.440	5.440	0.000	86	2091785	25.0	25.1	a
45 Propionitrile	54	5.476	5.488	-0.012	99	1253591	500.0	500.3	
48 Methacrylonitrile	67	5.702	5.702	0.000	91	2498548	250.0	276.0	
49 Chlorobromomethane	128	5.763	5.757	0.006	94	586879	25.0	26.4	
50 Tetrahydrofuran	71	5.775	5.781	-0.006	77	322011	125.0	134.1	
51 Chloroform	83	5.921	5.921	0.000	93	2421910	25.0	25.2	
53 1,1,1-Trichloroethane	97	6.147	6.141	0.006	98	2137093	25.0	25.1	
\$ 52 Dibromofluoromethane (Surr)	113	6.141	6.141	0.000	94	480706	10.0	9.98	
S 47 1,2-Dichloroethene, Total	100				0			51.1	
54 Cyclohexane	56	6.244	6.244	0.000	90	2253420	25.0	26.6	
55 Carbon tetrachloride	117	6.360	6.360	0.000	95	1860654	25.0	25.6	
56 1,1-Dichloropropene	75	6.366	6.366	0.000	98	1958625	25.0	25.8	
58 Isobutyl alcohol	41	6.567	6.567	0.000	92	523290	1250.0	1412.1	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.604	6.592	0.012	71	90205	10.0	9.82	
60 Benzene	78	6.628	6.628	0.000	96	5682289	25.0	25.1	
61 1,2-Dichloroethane	62	6.702	6.702	0.000	97	1311844	25.0	25.3	M
63 Tert-amyl methyl ether	73	6.848	6.842	0.006	99	3078503	25.0	27.3	
* 64 Fluorobenzene (IS)	96	7.049	7.049	0.000	99	2040629	10.0	10.0	
65 n-Heptane	43	7.073	7.073	0.000	91	1731722	25.0	24.9	
67 n-Butanol	56	7.476	7.482	-0.006	88	854963	2187.5	2189.0	
68 Trichloroethene	95	7.537	7.537	0.000	99	1499591	25.0	25.8	
69 Methylcyclohexane	83	7.848	7.842	0.006	92	2402775	25.0	27.0	
70 1,2-Dichloropropane	63	7.872	7.872	0.000	97	1420975	25.0	25.9	
71 2-ethoxy-2-methyl butane	87	7.909	7.909	0.000	94	2159719	25.0	27.3	
73 1,4-Dioxane	88	7.982	7.976	0.006	29	135780	1250.0	1244.3	M
74 Dibromomethane	93	7.982	7.982	0.000	97	585345	25.0	26.0	
72 Methyl methacrylate	69	7.988	7.988	0.000	90	483923	25.0	28.1	
76 Dichlorobromomethane	83	8.232	8.232	0.000	99	1679274	25.0	26.7	
77 2-Nitropropane	41	8.512	8.512	0.000	98	638287	125.0	121.7	
79 1-Bromo-2-chloroethane	63	8.622	8.622	0.000	99	1262277	25.0	26.8	
81 cis-1,3-Dichloropropene	75	8.799	8.799	0.000	97	2147298	25.0	27.9	
82 4-Methyl-2-pentanone (MIBK)	43	9.012	9.006	0.006	96	6077883	250.0	280.0	
\$ 83 Toluene-d8 (Surr)	98	9.140	9.140	0.000	93	2063750	10.0	9.93	
84 Toluene	92	9.226	9.225	0.001	98	3673140	25.0	25.5	
85 trans-1,3-Dichloropropene	75	9.518	9.518	0.000	91	1707057	25.0	28.3	
86 Ethyl methacrylate	69	9.610	9.609	0.001	89	1123805	25.0	30.9	
107 1,1,2-Trichloroethane	97	9.738	9.737	0.001	91	846260	25.0	25.4	
108 Tetrachloroethene	166	9.823	9.823	0.000	97	1624189	25.0	25.0	
109 1,3-Dichloropropane	76	9.908	9.908	0.000	89	1516964	25.0	26.3	
110 2-Hexanone	43	9.988	9.987	0.001	96	4197920	250.0	278.4	
S 106 1,3-Dichloropropene, Total	100				0			56.1	
112 Chlorodibromomethane	129	10.134	10.134	0.000	90	1143819	25.0	28.1	
113 Ethylene Dibromide	107	10.244	10.243	0.001	99	811627	25.0	27.4	
* 114 Chlorobenzene-d5 (IS)	117	10.707	10.707	0.000	85	1496577	10.0	10.0	
116 Chlorobenzene	112	10.731	10.731	0.000	95	4100433	25.0	25.3	
115 1-Chlorohexane	91	10.731	10.731	0.000	96	1967644	25.0	25.3	
117 1,1,1,2-Tetrachloroethane	131	10.823	10.823	0.000	96	1382235	25.0	26.3	
118 Ethylbenzene	91	10.829	10.829	0.000	98	7335028	25.0	26.1	
120 m-Xylene & p-Xylene	106	10.951	10.951	0.000	100	5679046	50.0	52.5	

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			79.2	
121 o-Xylene	106	11.292	11.292	0.000	96	2763250	25.0	26.7	
122 Styrene	104	11.310	11.310	0.000	95	4514714	25.0	28.7	
123 Bromoform	173	11.463	11.463	0.000	96	612317	25.0	29.1	
124 Isopropylbenzene	105	11.603	11.603	0.000	95	6510736	25.0	26.8	
\$ 127 4-Bromofluorobenzene (Surr)	95	11.743	11.743	0.000	89	720169	10.0	10.0	
128 1,1,2,2-Tetrachloroethane	83	11.859	11.859	0.000	90	972366	25.0	26.7	
129 Bromobenzene	156	11.859	11.859	0.000	93	1608860	25.0	26.4	
130 trans-1,4-Dichloro-2-butene	53	11.884	11.883	0.001	89	2412692	250.0	261.0	
131 1,2,3-Trichloropropane	110	11.902	11.902	0.000	77	257054	25.0	26.5	
132 N-Propylbenzene	91	11.938	11.938	0.000	99	8474479	25.0	25.9	
133 2-Chlorotoluene	126	12.012	12.011	0.001	96	1682443	25.0	25.8	
134 1,3,5-Trimethylbenzene	105	12.085	12.085	0.000	93	6235588	25.0	27.0	
135 4-Chlorotoluene	126	12.109	12.103	0.006	97	1736325	25.0	25.8	
136 tert-Butylbenzene	134	12.322	12.322	0.000	93	1325469	25.0	26.4	
137 Pentachloroethane	167	12.353	12.353	0.000	90	962016	25.0	28.1	
138 1,2,4-Trimethylbenzene	105	12.371	12.365	0.006	97	6416018	25.0	27.1	
139 sec-Butylbenzene	105	12.493	12.487	0.006	94	7858381	25.0	26.2	
140 1,3-Dichlorobenzene	146	12.585	12.585	0.001	98	3393565	25.0	26.1	
141 4-Isopropyltoluene	119	12.603	12.603	0.000	97	6883892	25.0	26.9	
* 142 1,4-Dichlorobenzene-d4	152	12.639	12.639	0.000	93	784305	10.0	10.0	
143 1,4-Dichlorobenzene	146	12.658	12.658	0.000	95	3345472	25.0	25.2	
144 1,2,3-Trimethylbenzene	120	12.676	12.676	0.000	98	2673036	25.0	26.4	
145 Benzyl chloride	126	12.737	12.737	0.000	98	429914	25.0	29.2	a
146 p-Diethylbenzene	119	12.877	12.877	0.000	93	4228897	25.0	26.8	
147 n-Butylbenzene	92	12.896	12.895	0.001	98	3418002	25.0	26.1	
148 1,2-Dichlorobenzene	146	12.920	12.920	0.000	98	2867313	25.0	25.5	
150 1,2-Dibromo-3-Chloropropane	155	13.462	13.462	0.000	85	128125	25.0	28.0	
151 1,3,5-Trichlorobenzene	180	13.591	13.590	0.000	98	2668518	25.0	26.1	
152 1,2,4-Trichlorobenzene	180	14.011	14.011	0.000	94	2180074	25.0	26.8	
153 Hexachlorobutadiene	225	14.103	14.103	0.001	97	1106417	25.0	24.9	
154 Naphthalene	128	14.188	14.188	0.000	97	3223014	25.0	29.8	
155 1,2,3-Trichlorobenzene	180	14.334	14.334	0.000	96	1712102	25.0	27.0	
156 2-Methylnaphthalene	142	14.920	14.919	0.001	92	1716012	25.0	25.0	
167 Pentane	43	2.769	2.769	0.000	39	110841	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_LL_#1_826_00155

Amount Added: 25.00

Units: uL

MSV_LL_#2_826_00163

Amount Added: 25.00

Units: uL

MSV_LL_GAS826_00247

Amount Added: 25.00

Units: uL

MSV_29_826ISS_00057

Amount Added: 1.20

Units: uL

Run Reagent

Report Date: 09-Dec-2024 09:42:47

Chrom Revision: 2.3 12-Nov-2024 16:55:22

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X18.D

Injection Date: 03-Dec-2024 18:18:30

Instrument ID: 16334

Operator ID: knk41612

Lims ID: IC std7

Worklist Smp#: 19

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

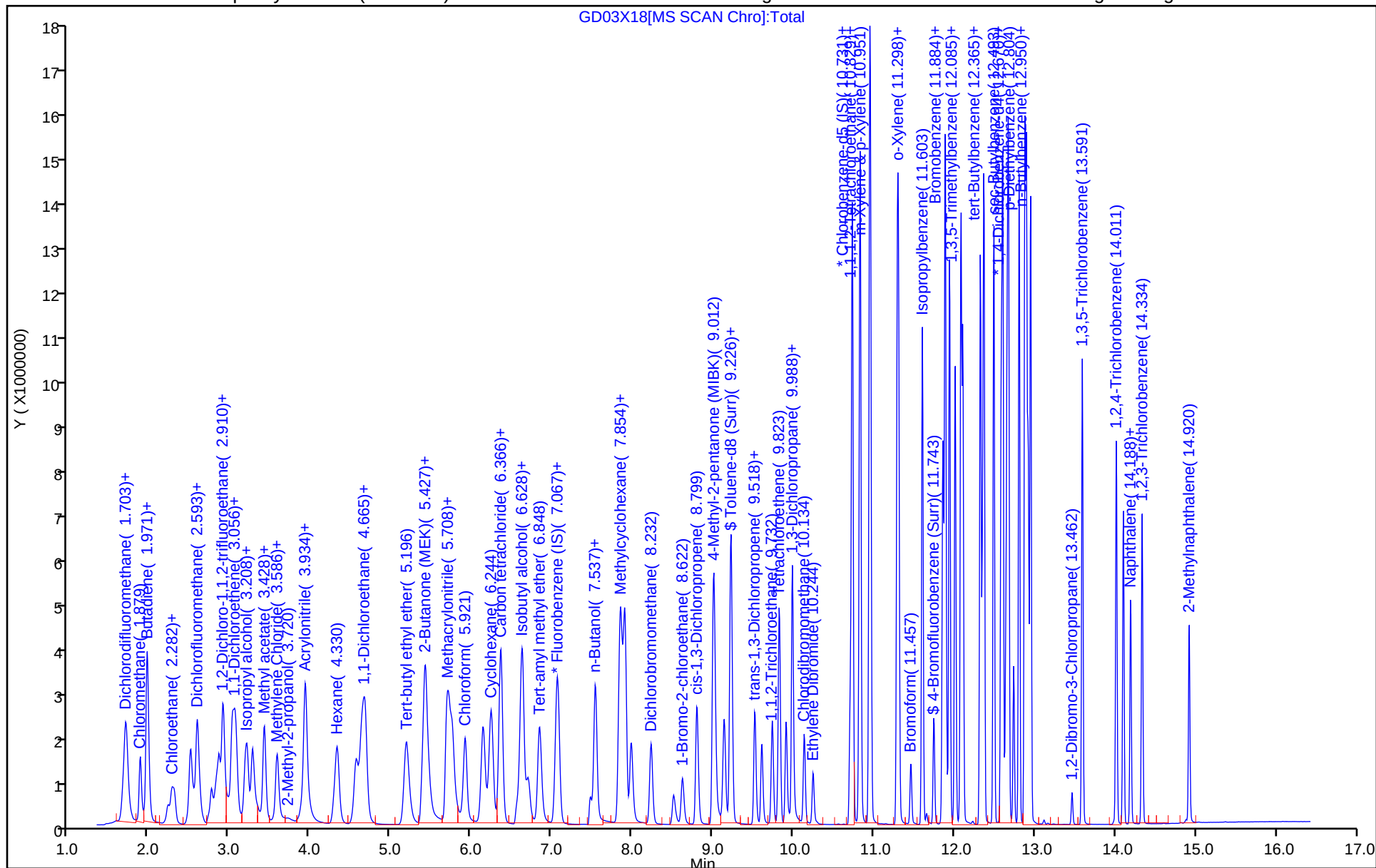
ALS Bottle#: 8

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

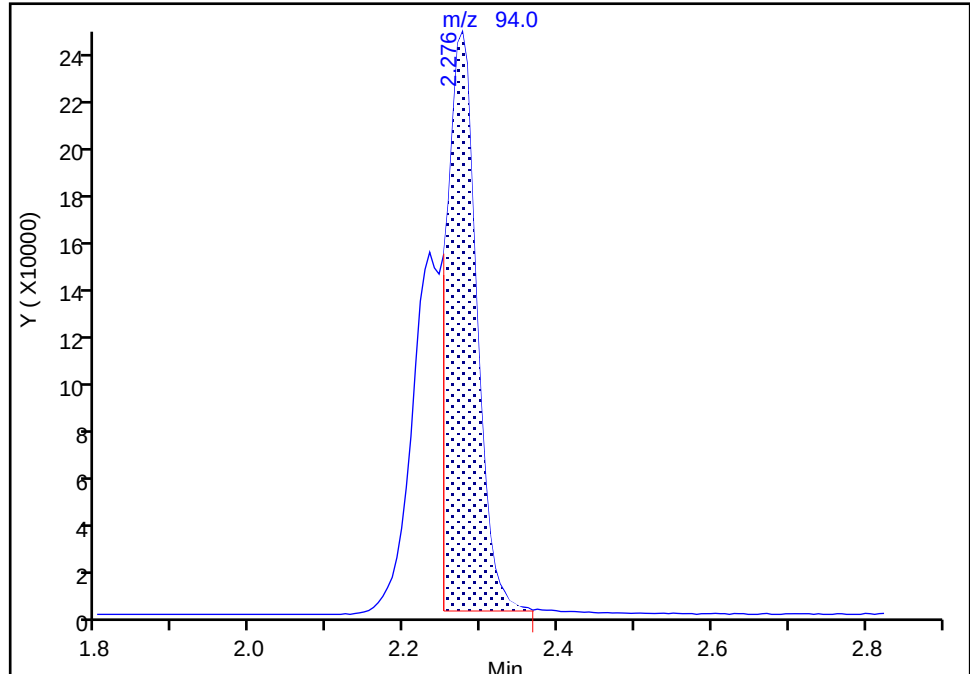
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Injection Date: 03-Dec-2024 18:18:30 Instrument ID: 16334
Lims ID: IC std7
Client ID:
Operator ID: knk41612 ALS Bottle#: 8 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

9 Bromomethane, CAS: 74-83-9

Signal: 1

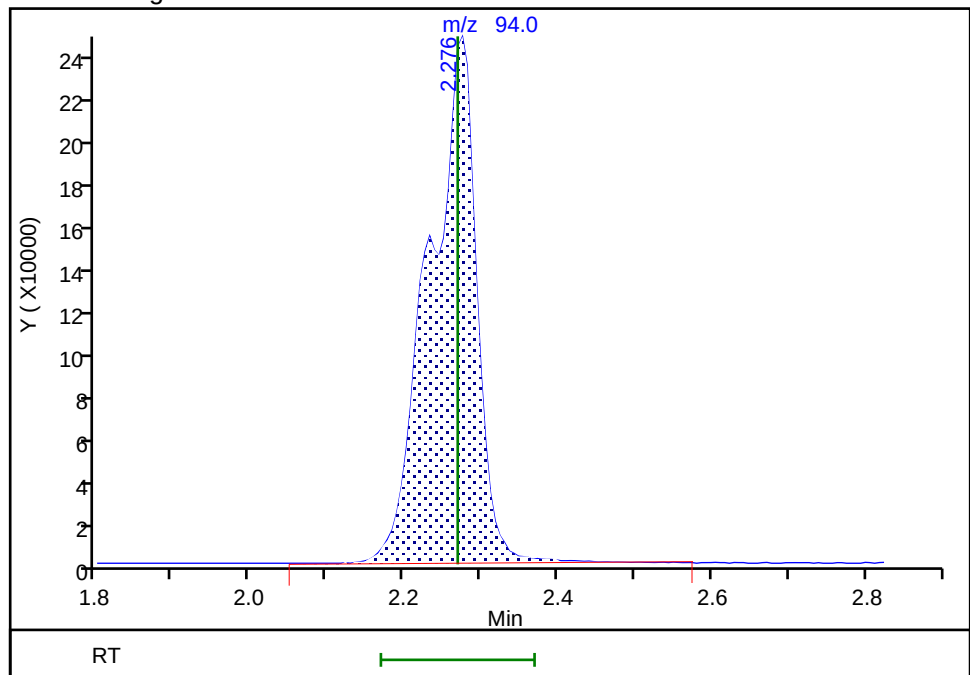
RT: 2.28
Area: 646904
Amount: 22.547043
Amount Units: ug/l

Processing Integration Results



RT: 2.28
Area: 1046630
Amount: 22.687258
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-Dec-2024 08:14:12 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

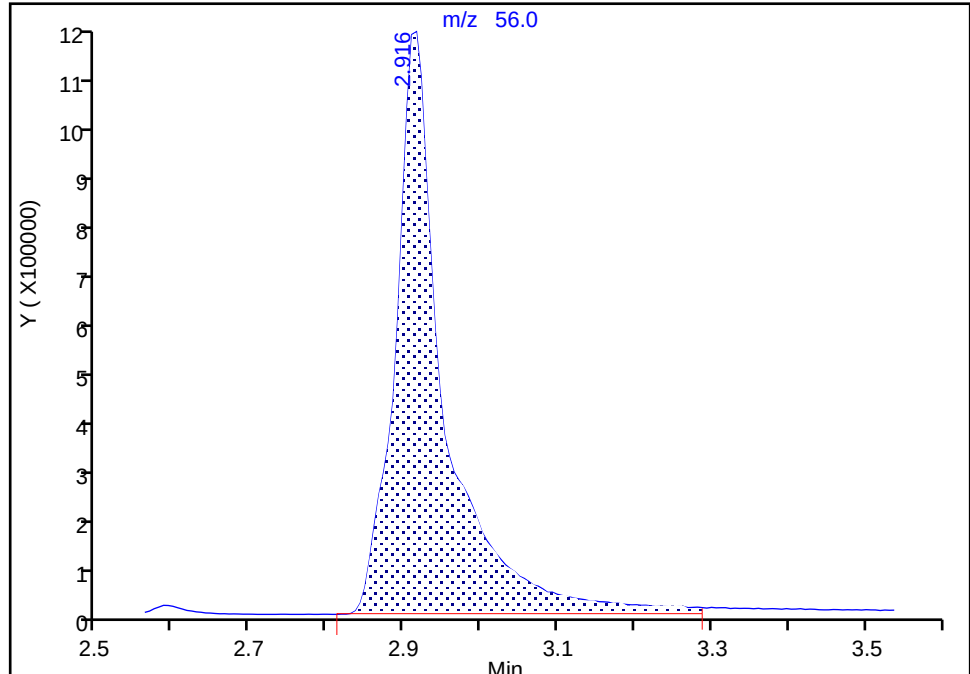
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Injection Date: 03-Dec-2024 18:18:30 Instrument ID: 16334
Lims ID: IC std7
Client ID:
Operator ID: knk41612 ALS Bottle#: 8 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

17 Acrolein, CAS: 107-02-8

Signal: 1

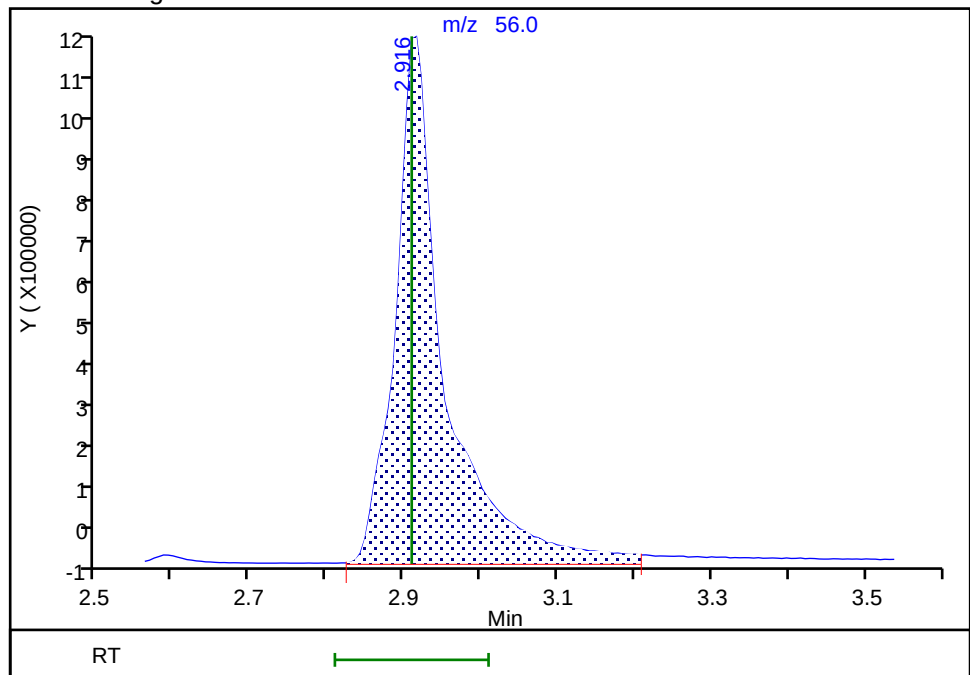
RT: 2.92
Area: 5355138
Amount: 1951.8188
Amount Units: ug/l

Processing Integration Results



RT: 2.92
Area: 5285090
Amount: 1531.4219
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-Dec-2024 08:41:12 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

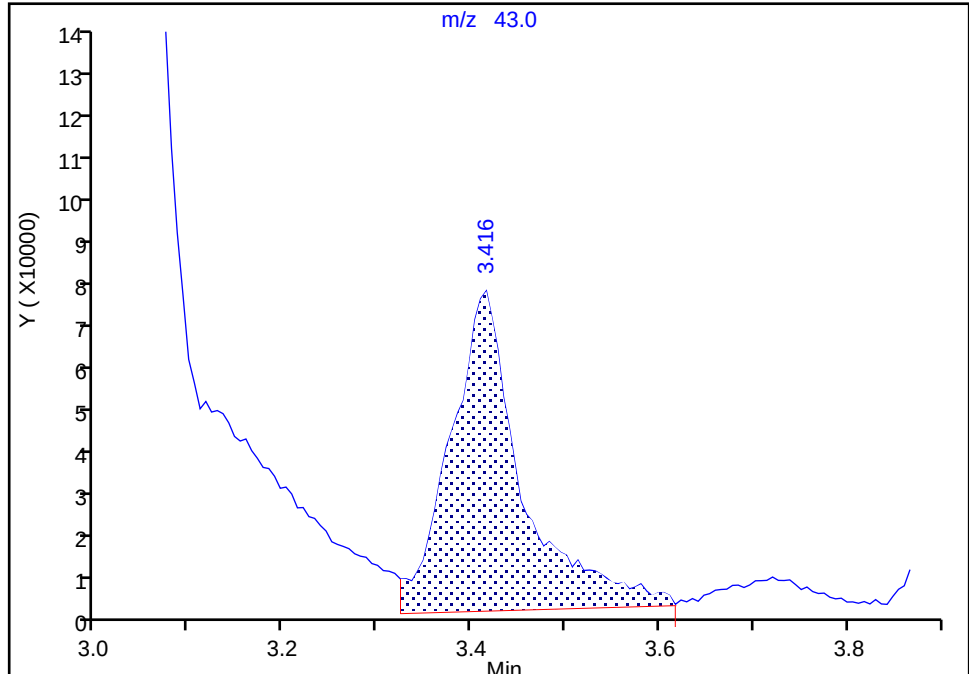
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Injection Date: 03-Dec-2024 18:18:30 Instrument ID: 16334
Lims ID: IC std7
Client ID:
Operator ID: knk41612 ALS Bottle#: 8 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

25 Methyl acetate, CAS: 79-20-9

Signal: 1

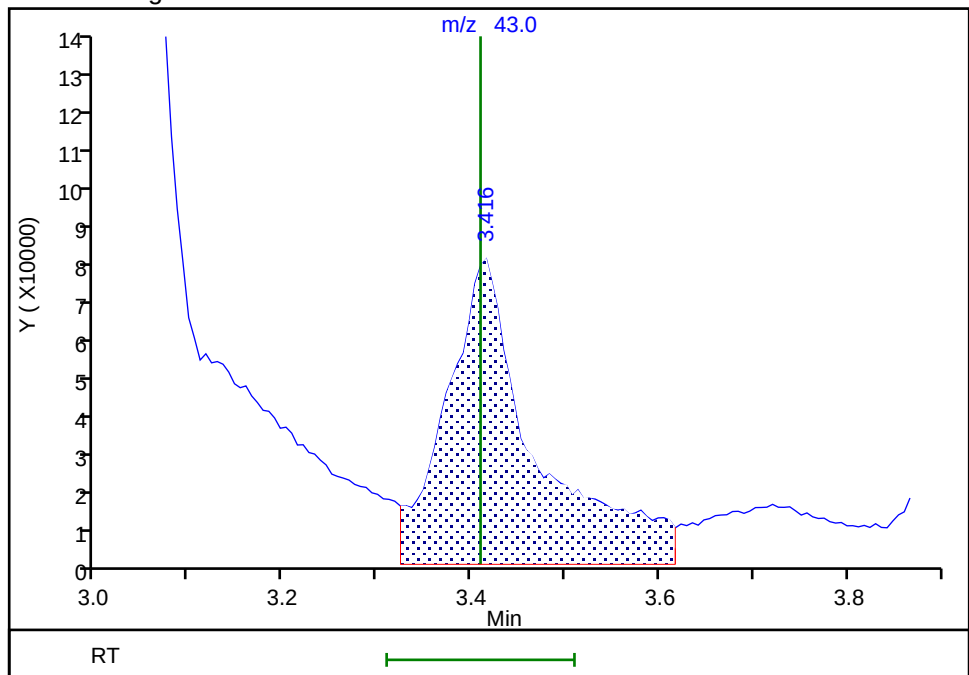
RT: 3.42
Area: 368811
Amount: 27.686950
Amount Units: ug/l

Processing Integration Results



RT: 3.42
Area: 509423
Amount: 24.663576
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 08-Dec-2024 11:24:44 -05:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Baseline

Eurofins Lancaster Laboratories Environment Testing, LLC

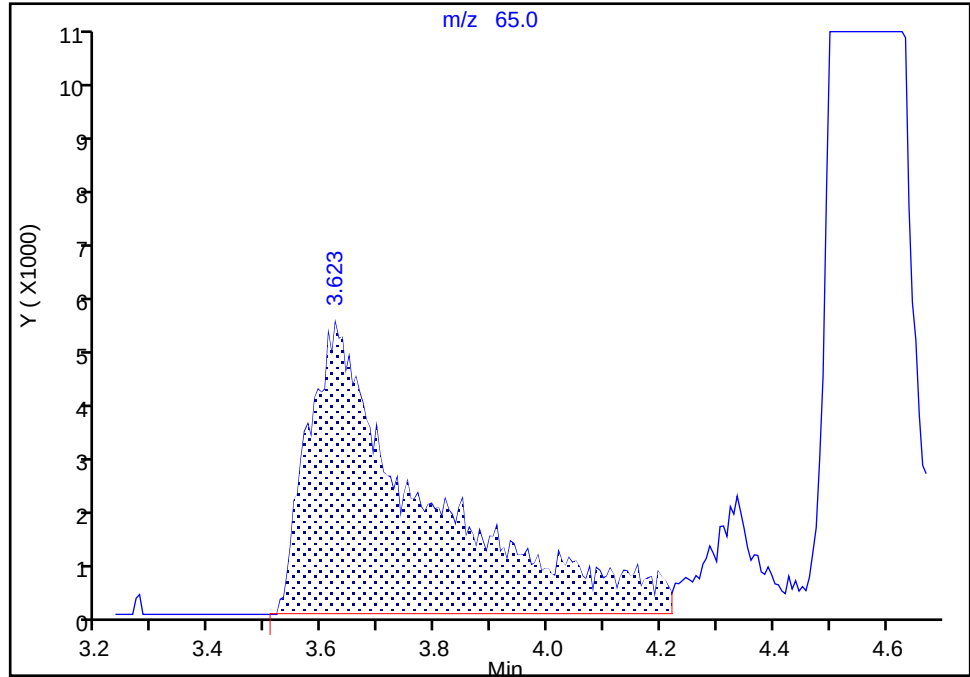
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Injection Date: 03-Dec-2024 18:18:30 Instrument ID: 16334
Lims ID: IC std7
Client ID:
Operator ID: knk41612 ALS Bottle#: 8 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

* 30 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

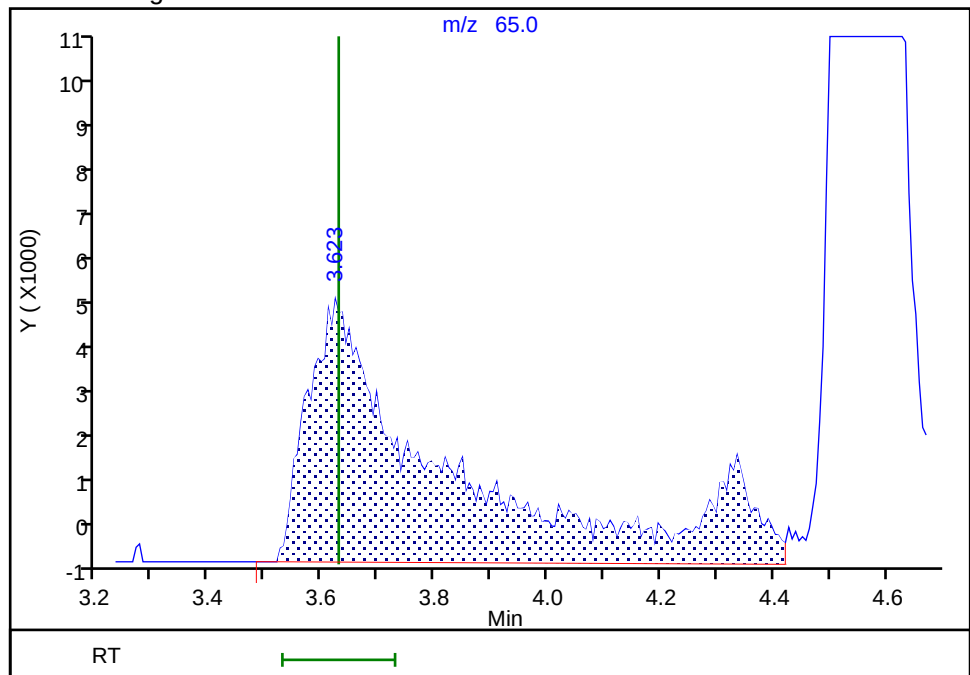
RT: 3.62
Area: 72985
Amount: 49.998300
Amount Units: ug/l

Processing Integration Results



RT: 3.62
Area: 85355
Amount: 49.998300
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-Dec-2024 08:14:45 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

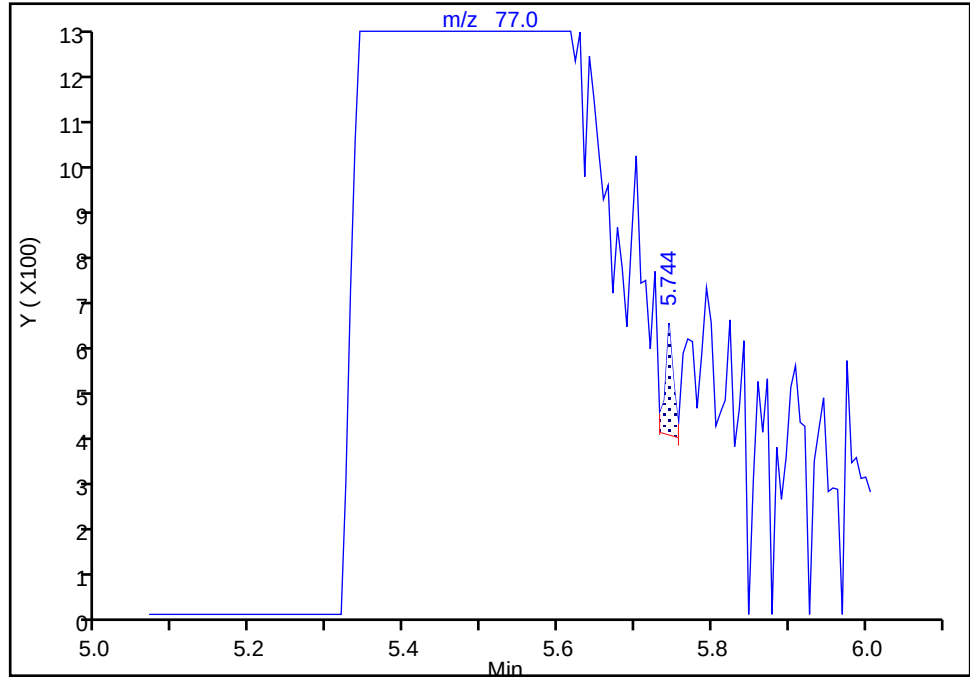
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Injection Date: 03-Dec-2024 18:18:30 Instrument ID: 16334
Lims ID: IC std7
Client ID:
Operator ID: knk41612 ALS Bottle#: 8 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

43 2,2-Dichloropropane, CAS: 594-20-7

Signal: 1

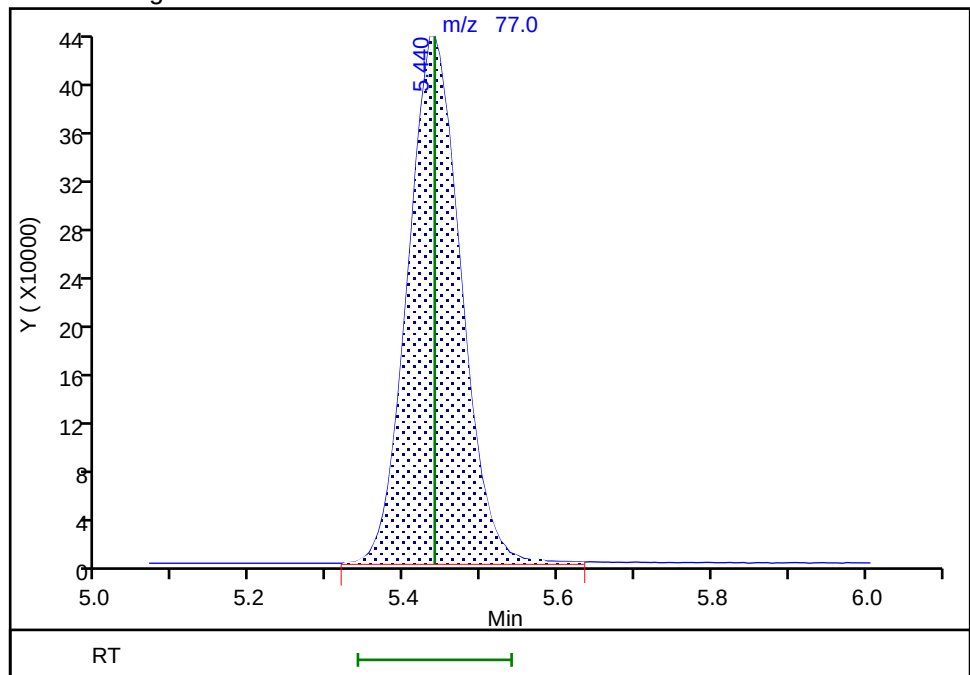
RT: 5.74
Area: 185
Amount: 0.002588
Amount Units: ug/l

Processing Integration Results



RT: 5.44
Area: 2091785
Amount: 25.073621
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-Dec-2024 08:13:57 -05:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

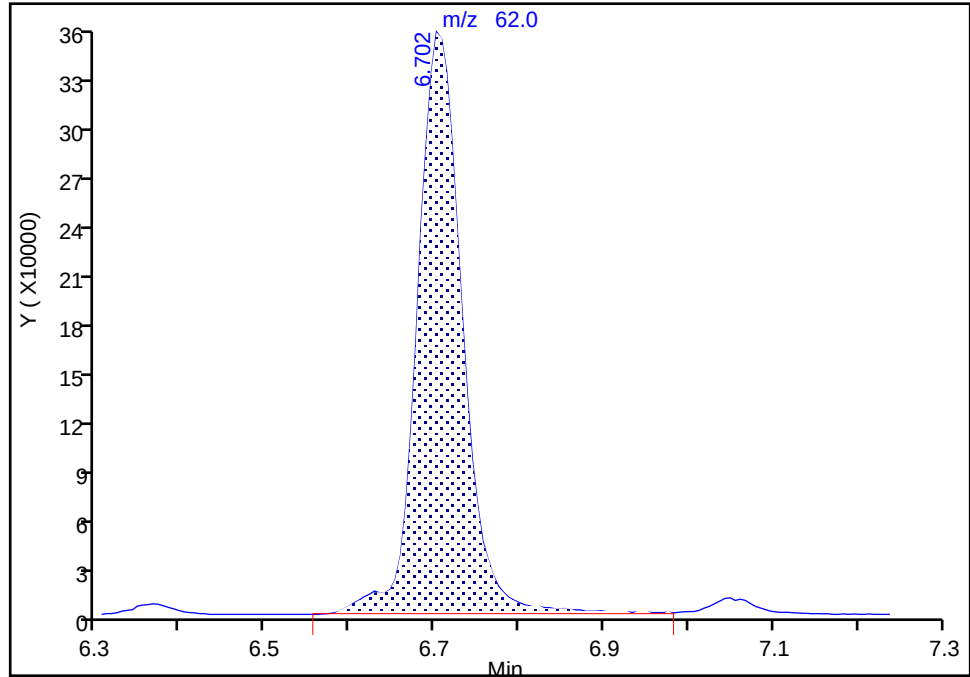
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Injection Date: 03-Dec-2024 18:18:30 Instrument ID: 16334
Lims ID: IC std7
Client ID:
Operator ID: knk41612 ALS Bottle#: 8 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

61 1,2-Dichloroethane, CAS: 107-06-2

Signal: 1

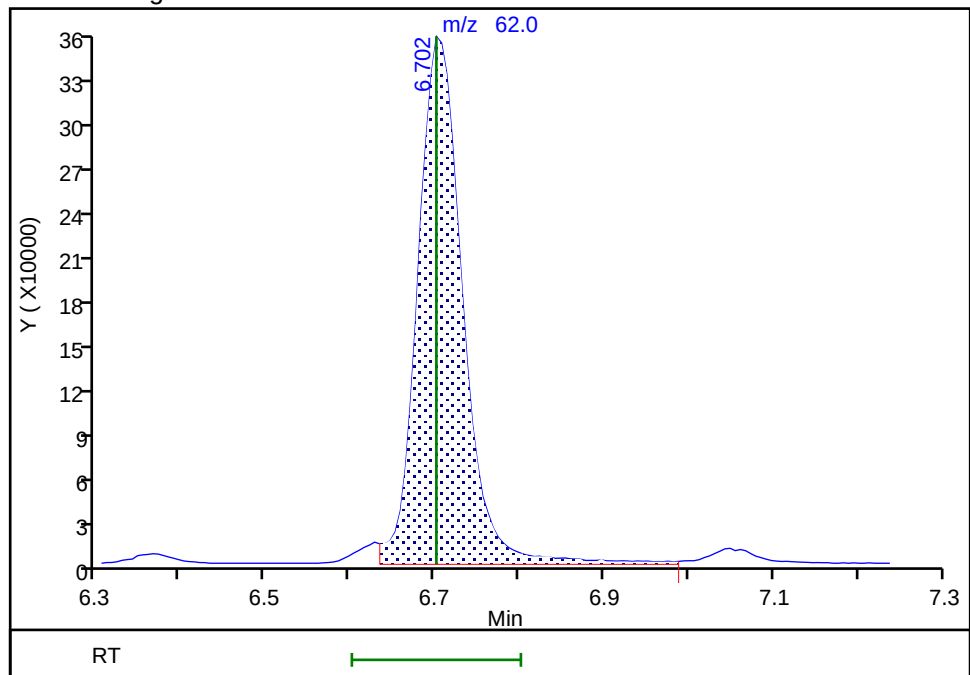
RT: 6.70
Area: 1335061
Amount: 25.648038
Amount Units: ug/l

Processing Integration Results



RT: 6.70
Area: 1311844
Amount: 25.266409
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 08-Dec-2024 11:25:46 -05:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Shouldering

Eurofins Lancaster Laboratories Environment Testing, LLC

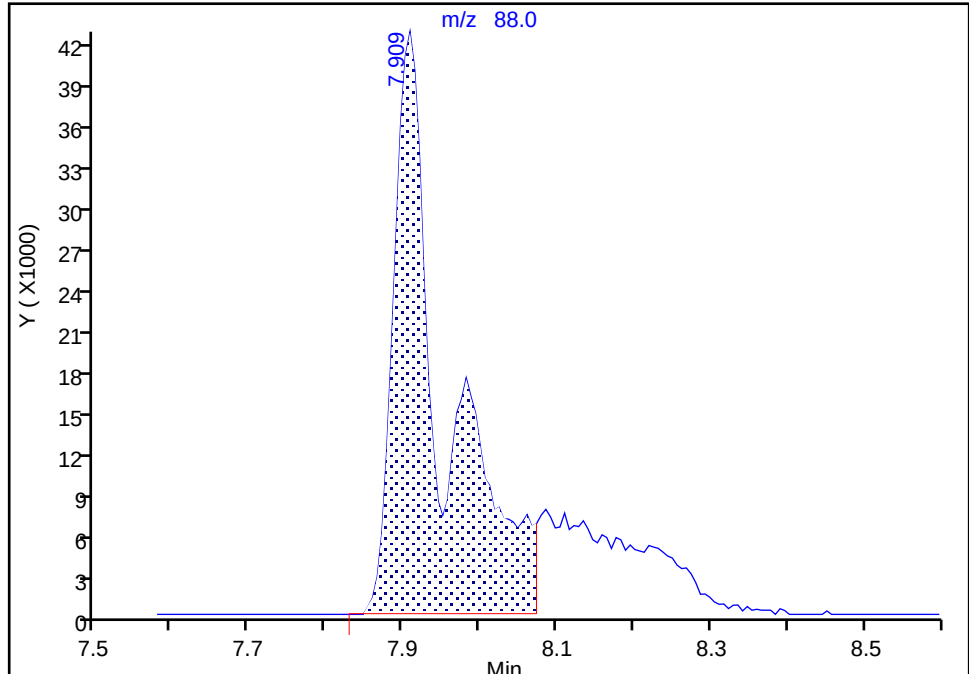
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Injection Date: 03-Dec-2024 18:18:30 Instrument ID: 16334
Lims ID: IC std7
Client ID:
Operator ID: knk41612 ALS Bottle#: 8 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

73 1,4-Dioxane, CAS: 123-91-1

Signal: 1

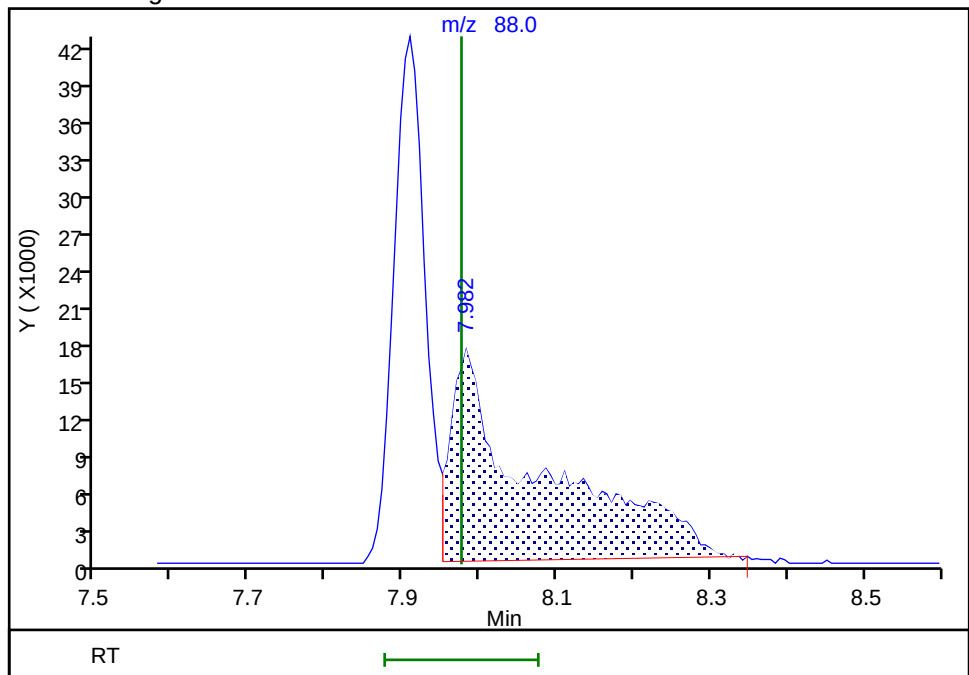
RT: 7.91
Area: 194527
Amount: 2063.7203
Amount Units: ug/l

Processing Integration Results



RT: 7.98
Area: 135780
Amount: 1244.3422
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-Dec-2024 08:15:03 -05:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

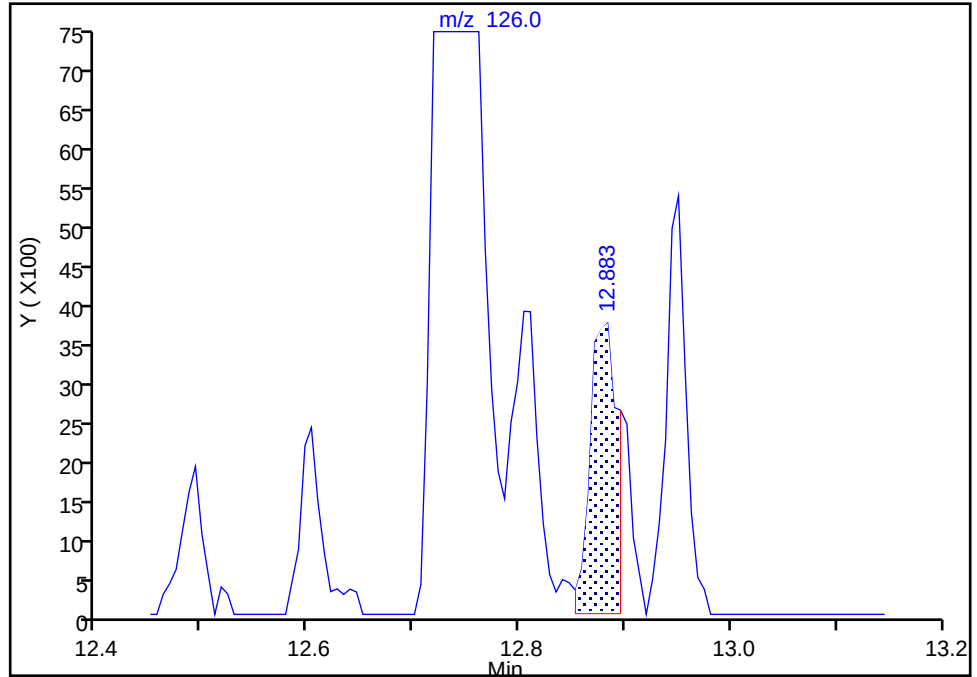
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Injection Date: 03-Dec-2024 18:18:30 Instrument ID: 16334
Lims ID: IC std7
Client ID:
Operator ID: knk41612 ALS Bottle#: 8 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm i.d.) Detector: MS Quad

145 Benzyl chloride, CAS: 100-44-7

Signal: 1

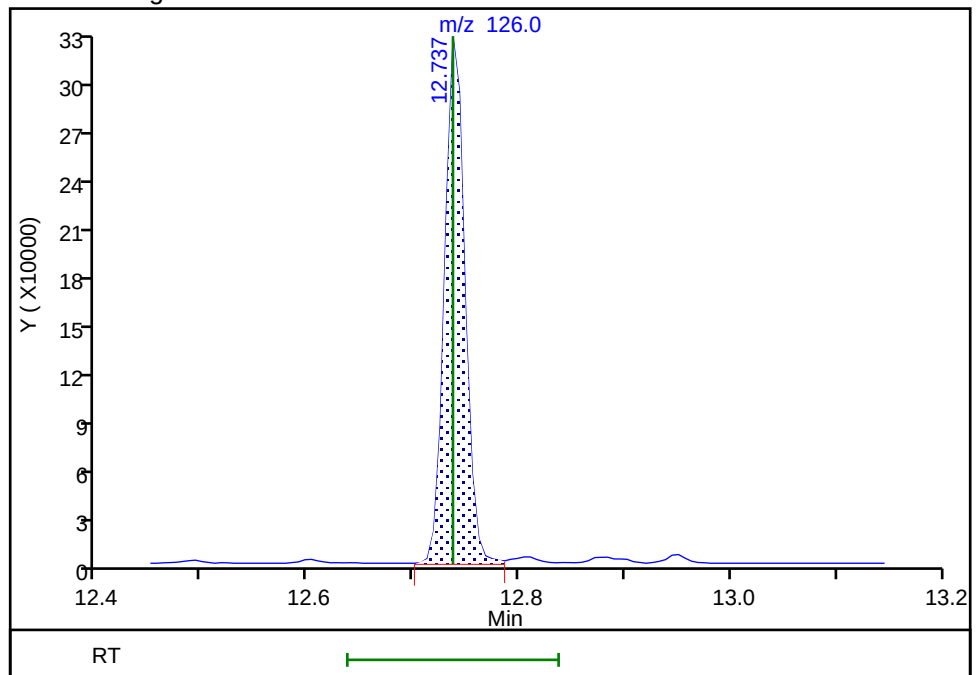
RT: 12.88
Area: 6775
Amount: 2.032198
Amount Units: ug/l

Processing Integration Results



RT: 12.74
Area: 429914
Amount: 29.175664
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-Dec-2024 08:10:57 -05:00:00 (UTC)

Audit Action: Assigned Compound ID

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

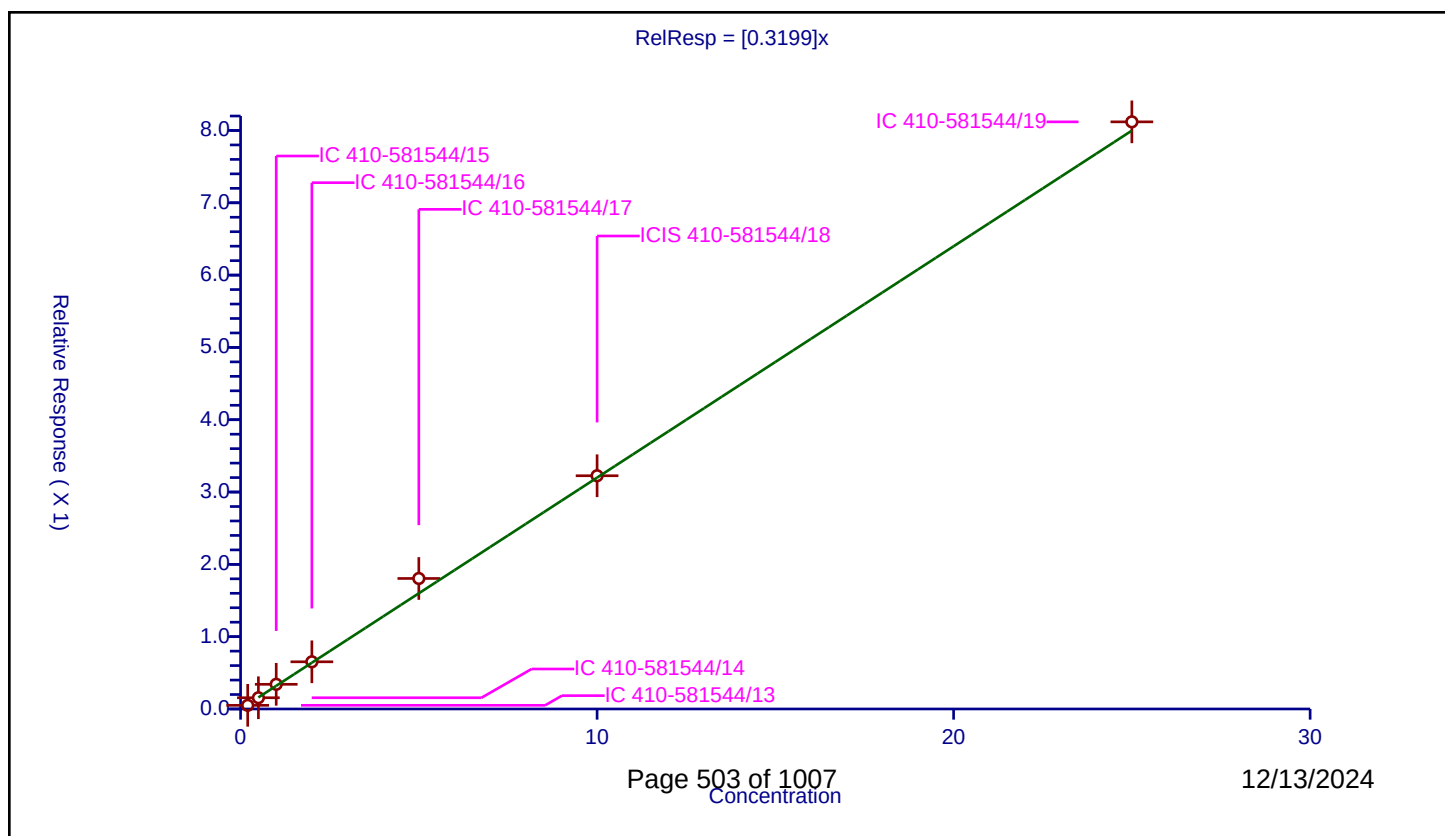
Curve Coefficients

Intercept: 0
Slope: 0.3199

Error Coefficients

Relative Standard Deviation: 10.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	0.2	0.050577	9.99966	2031304.0	0.252883	Y
2	IC 410-581544/14	0.5	0.155365	9.99966	2087335.0	0.31073	Y
3	IC 410-581544/15	1.0	0.3414	9.99966	1927527.0	0.3414	Y
4	IC 410-581544/16	2.0	0.652455	9.99966	2105483.0	0.326228	Y
5	IC 410-581544/17	5.0	1.804739	9.99966	1950593.0	0.360948	Y
6	ICIS 410-581544/18	10.0	3.22539	9.99966	2029850.0	0.322539	Y
7	IC 410-581544/19	25.0	8.119289	9.99966	2040629.0	0.324772	Y



Calibration

/ Chloromethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

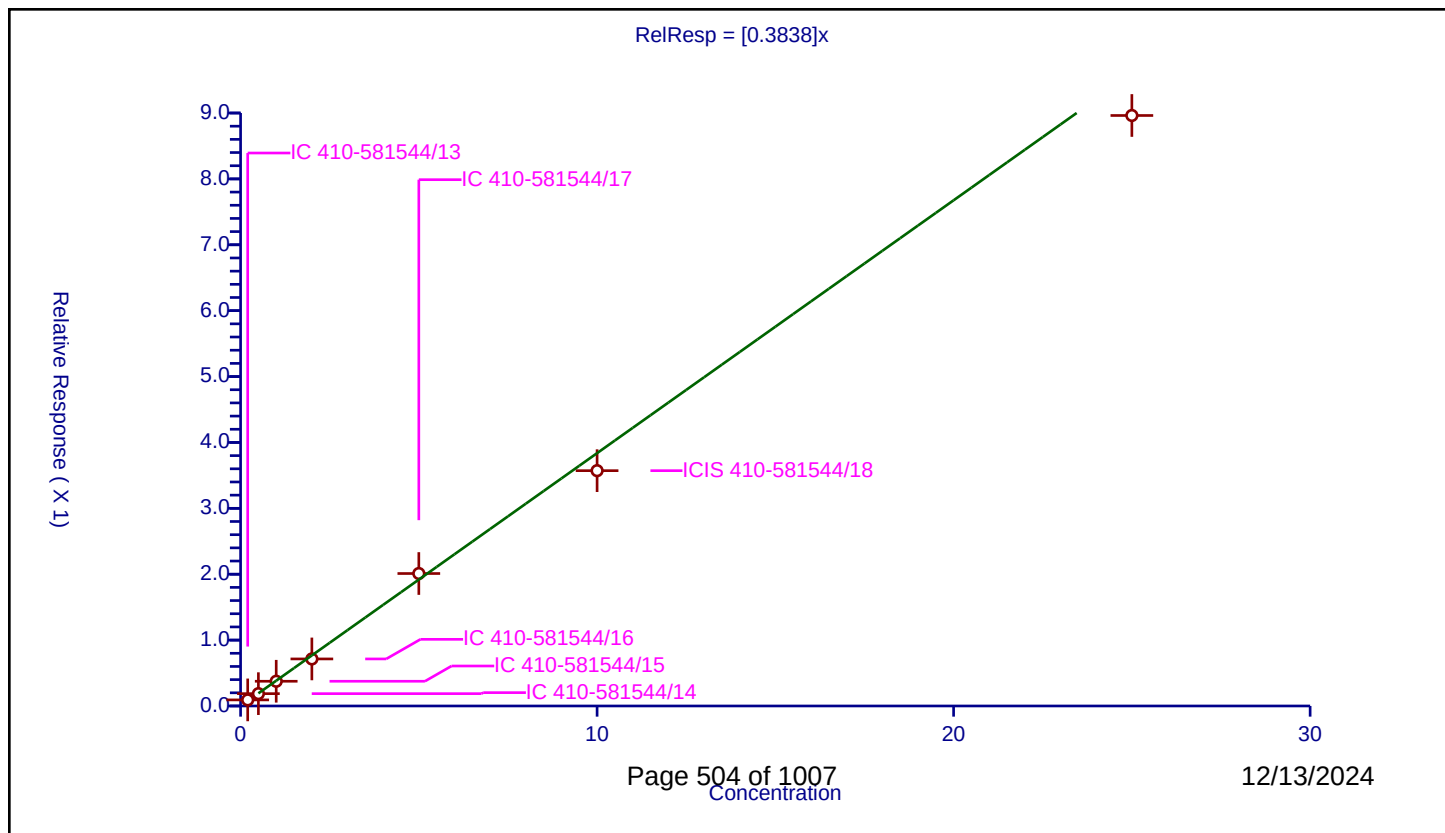
Curve Coefficients

Intercept: 0
Slope: 0.3838

Error Coefficients

Relative Standard Deviation: 9.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	0.2	0.092381	9.99966	2031304.0	0.461904	Y
2	IC 410-581544/14	0.5	0.187098	9.99966	2087335.0	0.374196	Y
3	IC 410-581544/15	1.0	0.375442	9.99966	1927527.0	0.375442	Y
4	IC 410-581544/16	2.0	0.714125	9.99966	2105483.0	0.357063	Y
5	IC 410-581544/17	5.0	2.010684	9.99966	1950593.0	0.402137	Y
6	ICIS 410-581544/18	10.0	3.57166	9.99966	2029850.0	0.357166	Y
7	IC 410-581544/19	25.0	8.962344	9.99966	2040629.0	0.358494	Y



Calibration

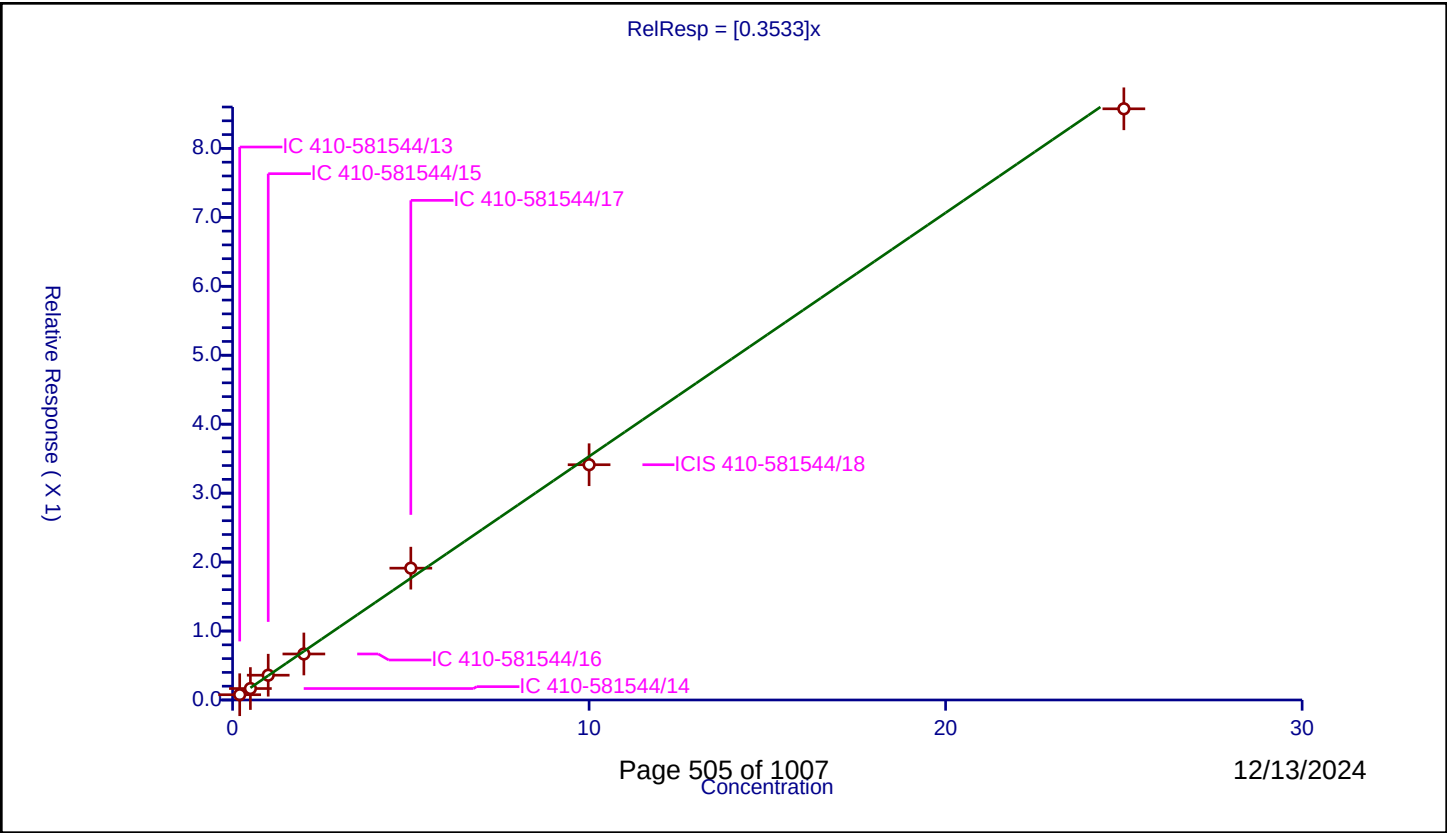
/ Butadiene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.3533
Error Coefficients	

Relative Standard Deviation: 6.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	0.2	0.076205	9.99966	2031304.0	0.381023	Y
2	IC 410-581544/14	0.5	0.166115	9.99966	2087335.0	0.332231	Y
3	IC 410-581544/15	1.0	0.359588	9.99966	1927527.0	0.359588	Y
4	IC 410-581544/16	2.0	0.667197	9.99966	2105483.0	0.333599	Y
5	IC 410-581544/17	5.0	1.912071	9.99966	1950593.0	0.382414	Y
6	ICIS 410-581544/18	10.0	3.412225	9.99966	2029850.0	0.341222	Y
7	IC 410-581544/19	25.0	8.573952	9.99966	2040629.0	0.342958	Y



Calibration

/ Vinyl chloride

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

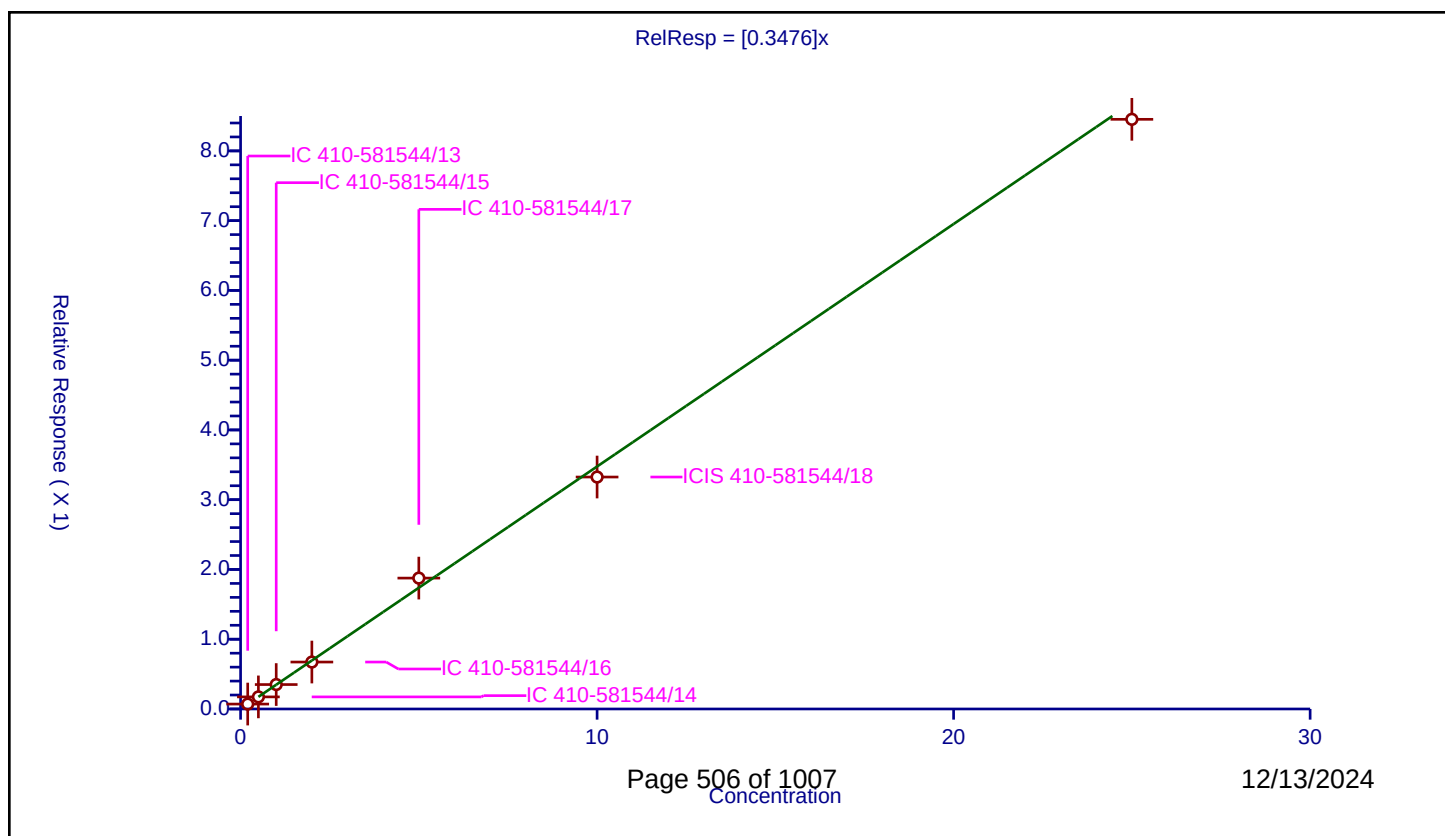
Curve Coefficients

Intercept: 0
Slope: 0.3476

Error Coefficients

Relative Standard Deviation: 4.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	0.2	0.070716	9.99966	2031304.0	0.353579	Y
2	IC 410-581544/14	0.5	0.173325	9.99966	2087335.0	0.34665	Y
3	IC 410-581544/15	1.0	0.350473	9.99966	1927527.0	0.350473	Y
4	IC 410-581544/16	2.0	0.672996	9.99966	2105483.0	0.336498	Y
5	IC 410-581544/17	5.0	1.876458	9.99966	1950593.0	0.375292	Y
6	ICIS 410-581544/18	10.0	3.325024	9.99966	2029850.0	0.332502	Y
7	IC 410-581544/19	25.0	8.452533	9.99966	2040629.0	0.338101	Y



Calibration

/ Bromomethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

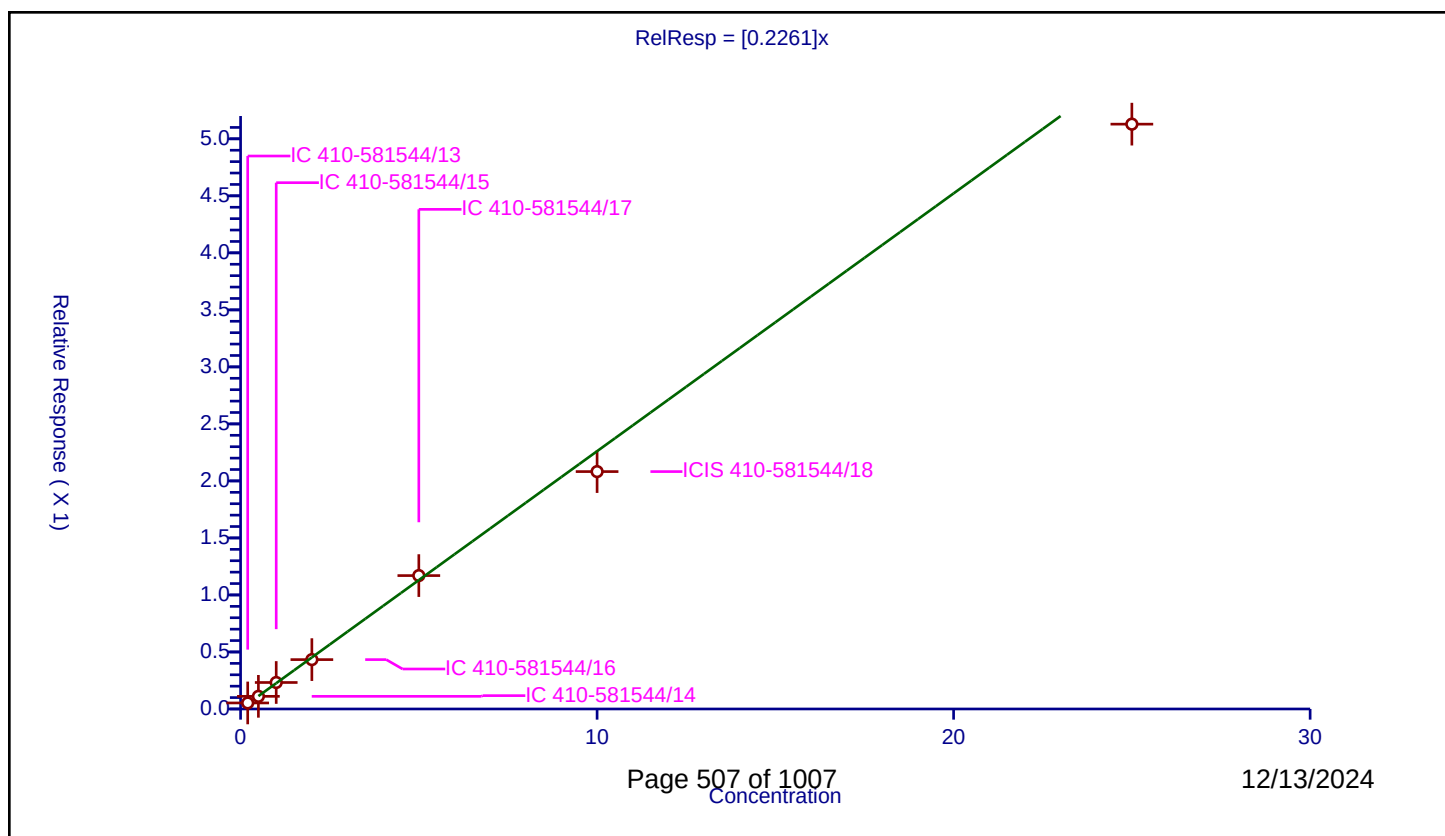
Curve Coefficients

Intercept: 0
Slope: 0.2261

Error Coefficients

Relative Standard Deviation: 8.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	0.2	0.052905	9.99966	2031304.0	0.264526	Y
2	IC 410-581544/14	0.5	0.110937	9.99966	2087335.0	0.221873	Y
3	IC 410-581544/15	1.0	0.232248	9.99966	1927527.0	0.232248	Y
4	IC 410-581544/16	2.0	0.432955	9.99966	2105483.0	0.216477	Y
5	IC 410-581544/17	5.0	1.169907	9.99966	1950593.0	0.233981	Y
6	ICIS 410-581544/18	10.0	2.08194	9.99966	2029850.0	0.208194	Y
7	IC 410-581544/19	25.0	5.128783	9.99966	2040629.0	0.205151	Y



Calibration

/ Chloroethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

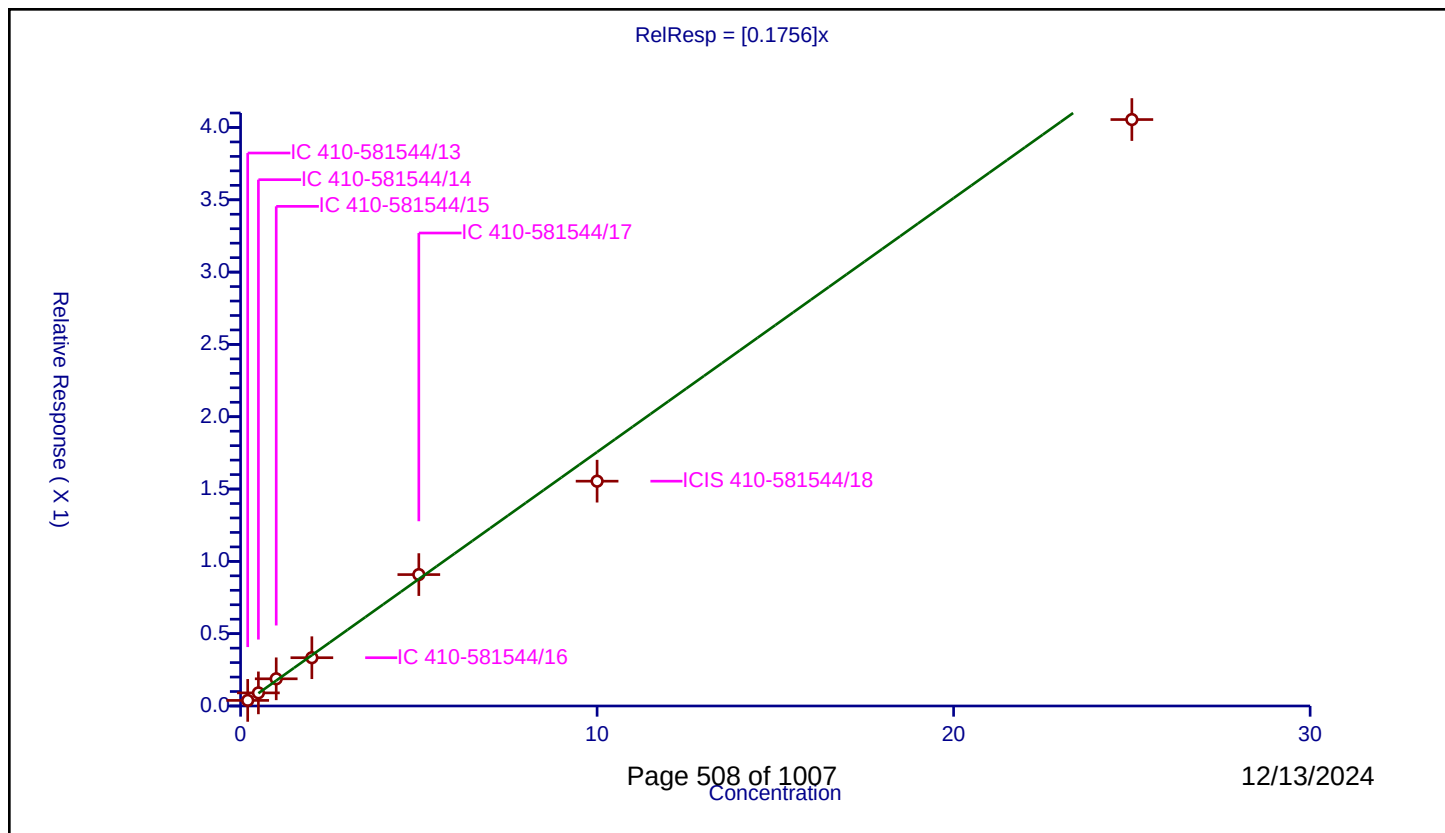
Curve Coefficients

Intercept: 0
Slope: 0.1756

Error Coefficients

Relative Standard Deviation: 8.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	0.2	0.038688	9.99966	2031304.0	0.193441	Y
2	IC 410-581544/14	0.5	0.090624	9.99966	2087335.0	0.181249	Y
3	IC 410-581544/15	1.0	0.187996	9.99966	1927527.0	0.187996	Y
4	IC 410-581544/16	2.0	0.333907	9.99966	2105483.0	0.166954	Y
5	IC 410-581544/17	5.0	0.908621	9.99966	1950593.0	0.181724	Y
6	ICIS 410-581544/18	10.0	1.554422	9.99966	2029850.0	0.155442	Y
7	IC 410-581544/19	25.0	4.054803	9.99966	2040629.0	0.162192	Y



Calibration

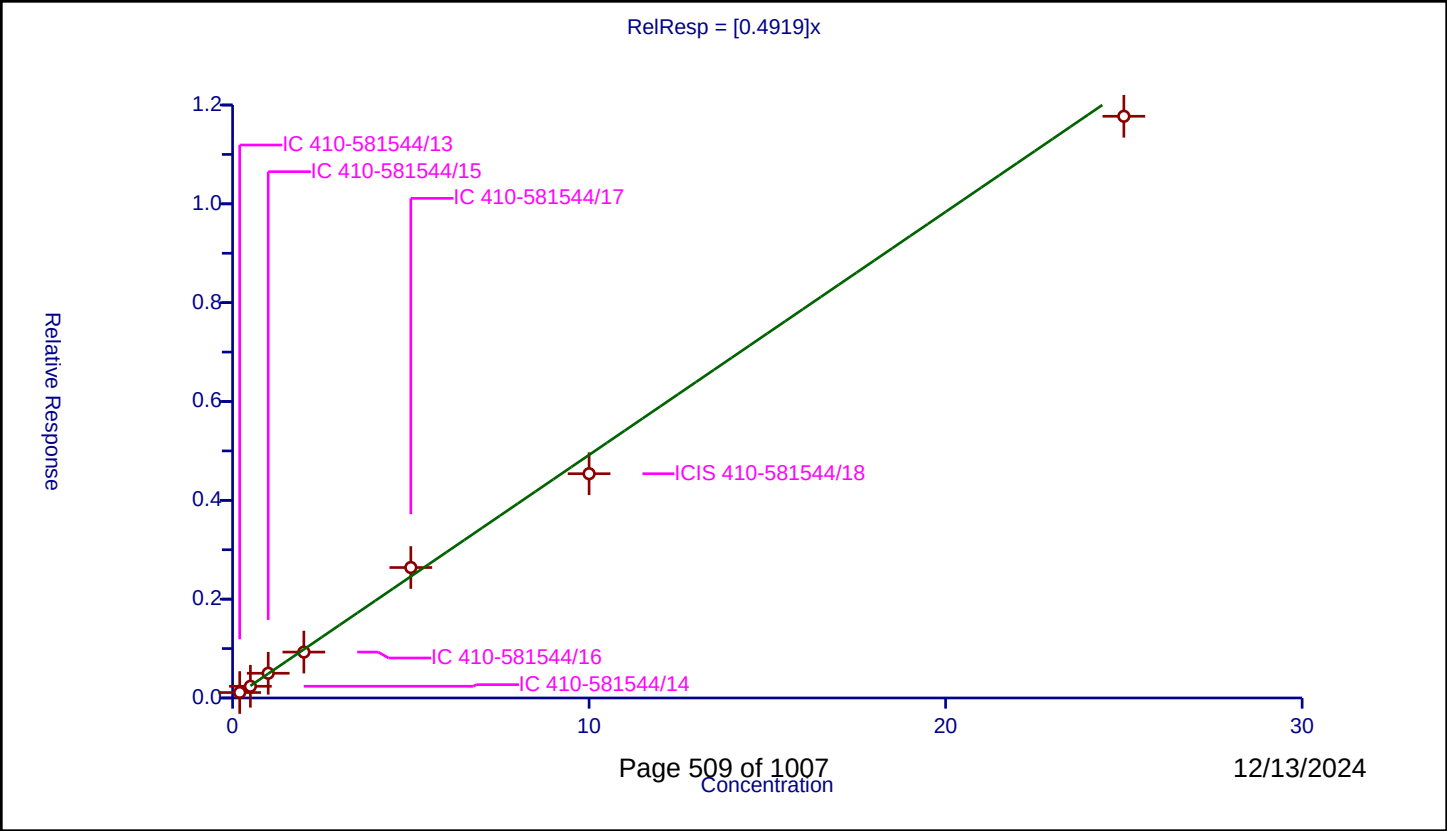
/ Dichlorofluoromethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.4919
Error Coefficients	

Relative Standard Deviation: 7.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	0.2	0.110265	9.99966	2031304.0	0.551327	Y
2	IC 410-581544/14	0.5	0.237079	9.99966	2087335.0	0.474158	Y
3	IC 410-581544/15	1.0	0.500536	9.99966	1927527.0	0.500536	Y
4	IC 410-581544/16	2.0	0.928767	9.99966	2105483.0	0.464384	Y
5	IC 410-581544/17	5.0	2.640118	9.99966	1950593.0	0.528024	Y
6	ICIS 410-581544/18	10.0	4.538546	9.99966	2029850.0	0.453855	Y
7	IC 410-581544/19	25.0	11.772264	9.99966	2040629.0	0.470891	Y



Calibration

/ Trichlorofluoromethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

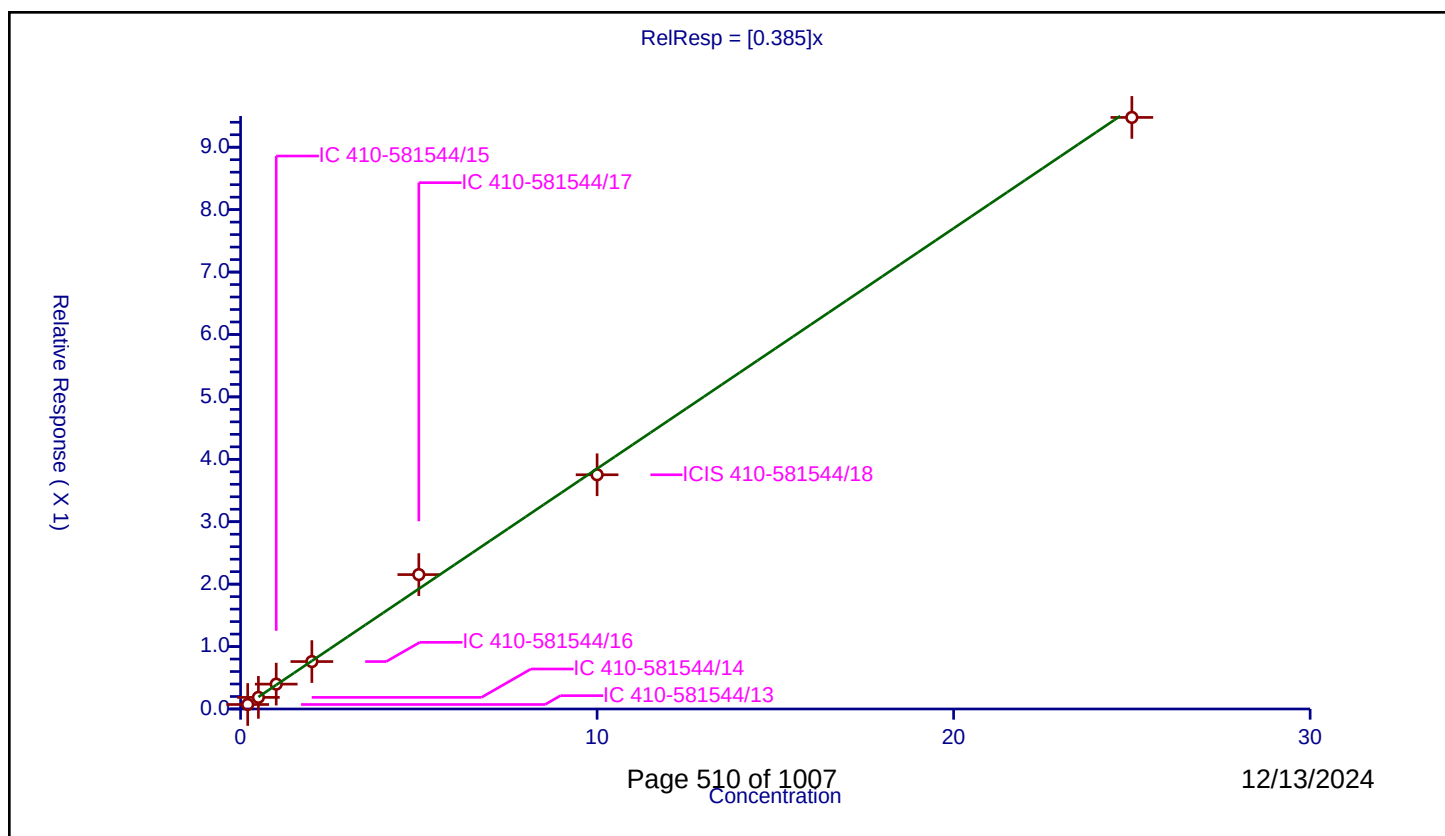
Curve Coefficients

Intercept: 0
Slope: 0.385

Error Coefficients

Relative Standard Deviation: 6.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	0.2	0.072045	9.99966	2031304.0	0.360224	Y
2	IC 410-581544/14	0.5	0.185934	9.99966	2087335.0	0.371868	Y
3	IC 410-581544/15	1.0	0.398201	9.99966	1927527.0	0.398201	Y
4	IC 410-581544/16	2.0	0.759676	9.99966	2105483.0	0.379838	Y
5	IC 410-581544/17	5.0	2.153093	9.99966	1950593.0	0.430619	Y
6	ICIS 410-581544/18	10.0	3.752559	9.99966	2029850.0	0.375256	Y
7	IC 410-581544/19	25.0	9.477167	9.99966	2040629.0	0.379087	Y



Calibration

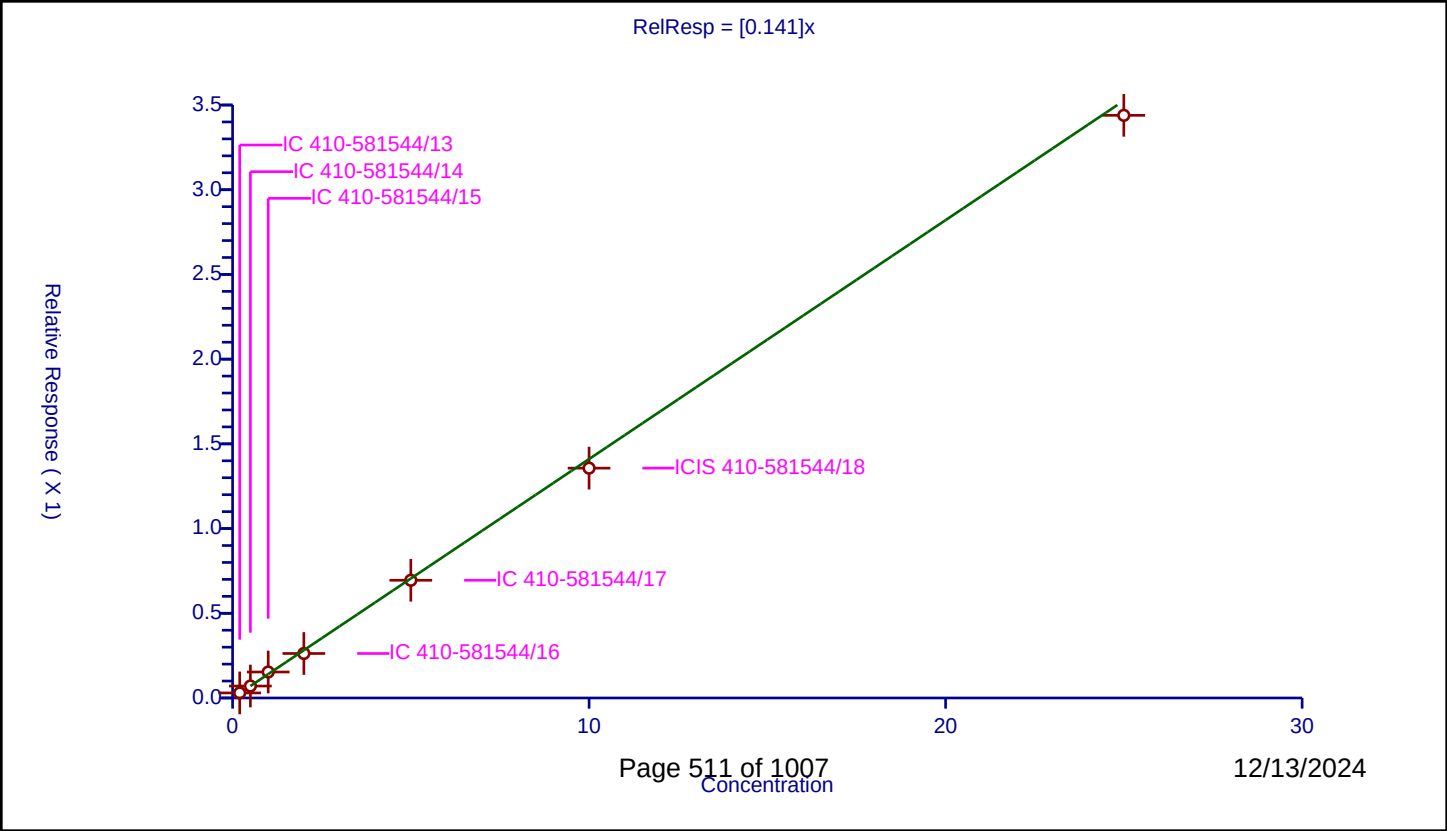
/ Ethyl ether

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.141

Error Coefficients	
Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	0.199986	0.029807	9.99966	2031304.0	0.149047	Y
2	IC 410-581544/14	0.499966	0.070619	9.99966	2087335.0	0.141247	Y
3	IC 410-581544/15	0.999932	0.153357	9.99966	1927527.0	0.153368	Y
4	IC 410-581544/16	1.999864	0.262577	9.99966	2105483.0	0.131297	Y
5	IC 410-581544/17	4.99966	0.694898	9.99966	1950593.0	0.138989	Y
6	ICIS 410-581544/18	9.99932	1.356626	9.99966	2029850.0	0.135672	Y
7	IC 410-581544/19	24.9983	3.439146	9.99966	2040629.0	0.137575	Y



Calibration

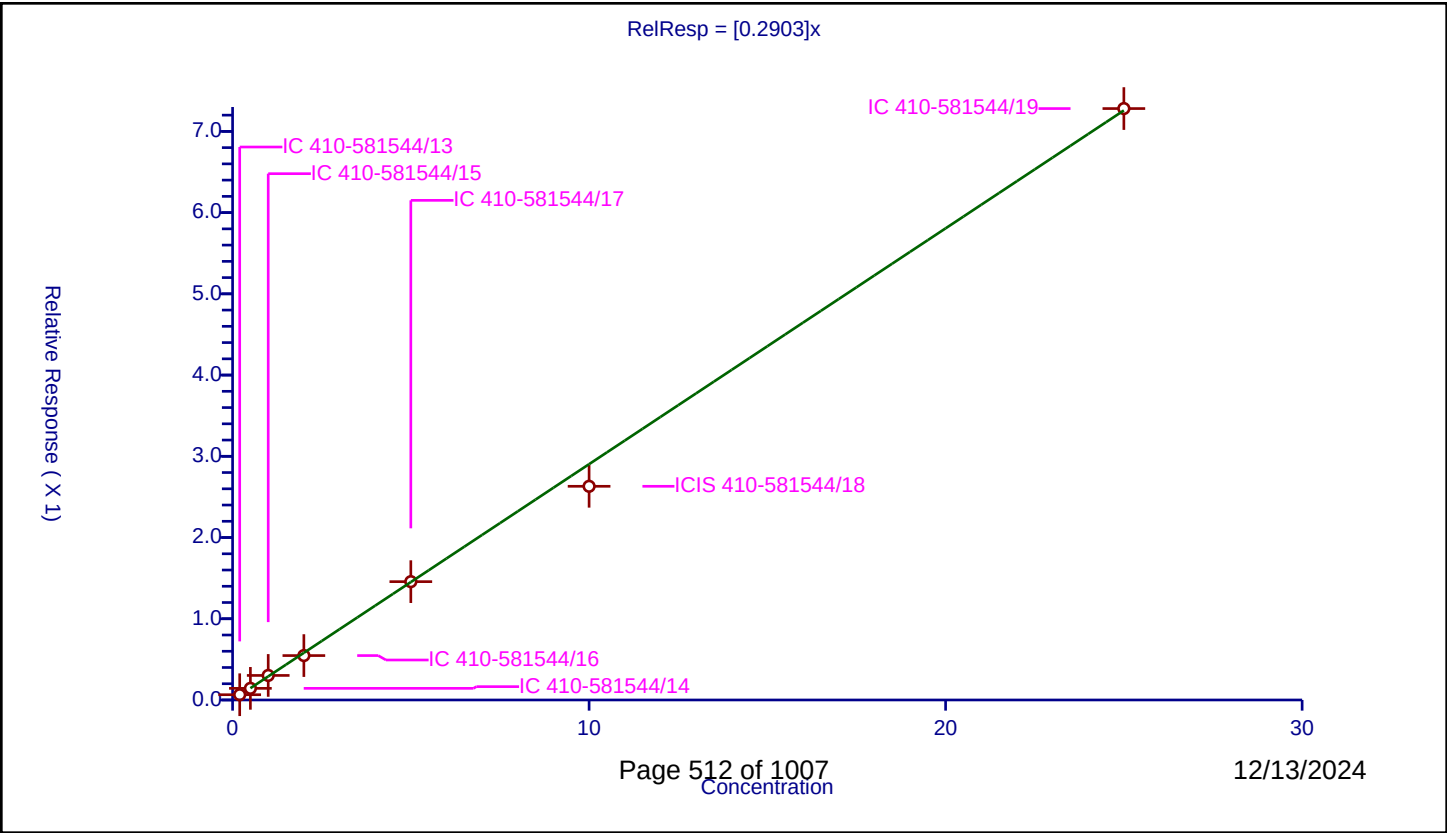
/ 1,2-Dichloro-1,1,2-trifluoroethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.2903
Error Coefficients	

Relative Standard Deviation: 6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	0.2	0.064867	9.99966	2031304.0	0.324337	Y
2	IC 410-581544/14	0.5	0.143245	9.99966	2087335.0	0.28649	Y
3	IC 410-581544/15	1.0	0.302341	9.99966	1927527.0	0.302341	Y
4	IC 410-581544/16	2.0	0.54682	9.99966	2105483.0	0.27341	Y
5	IC 410-581544/17	5.0	1.456718	9.99966	1950593.0	0.291344	Y
6	ICIS 410-581544/18	10.0	2.630745	9.99966	2029850.0	0.263075	Y
7	IC 410-581544/19	25.0	7.280949	9.99966	2040629.0	0.291238	Y

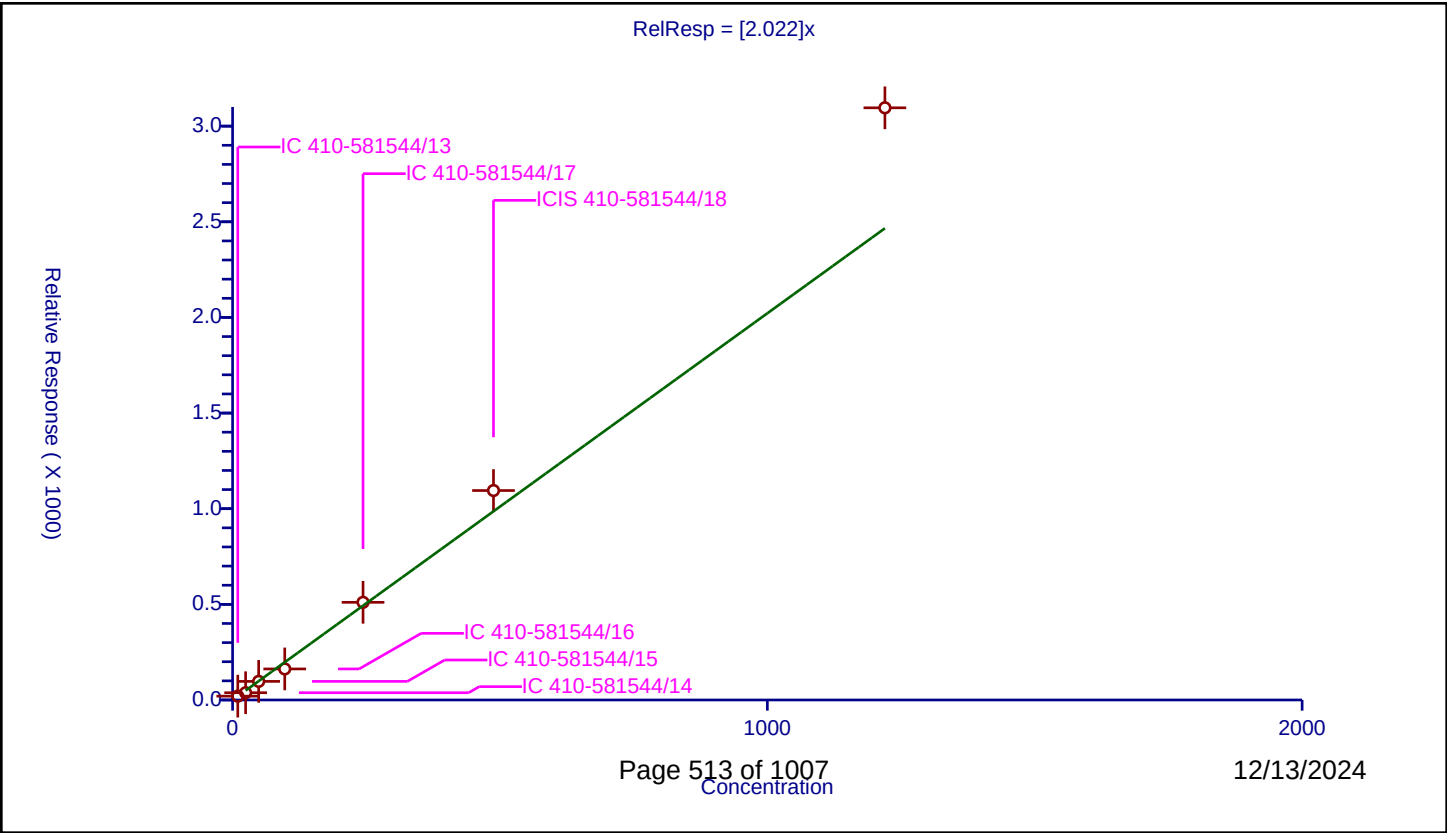


Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	2.022

Error Coefficients	
Relative Standard Deviation:	
	16.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	9.758612	20.130775	49.9983	75156.0	2.062873	Y
2	IC 410-581544/14	24.396531	37.996893	49.9983	78234.0	1.557471	Y
3	IC 410-581544/15	48.793061	97.203126	49.9983	70537.0	1.992151	Y
4	IC 410-581544/16	97.586123	162.322749	49.9983	82323.0	1.663379	Y
5	IC 410-581544/17	243.965307	510.616253	49.9983	72915.0	2.092987	Y
6	ICIS 410-581544/18	487.930614	1094.931598	49.9983	80518.0	2.244031	Y
7	IC 410-581544/19	1219.826534	3095.84108	49.9983	85355.0	2.537936	Y



Calibration

/ 1,1-Dichloroethene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

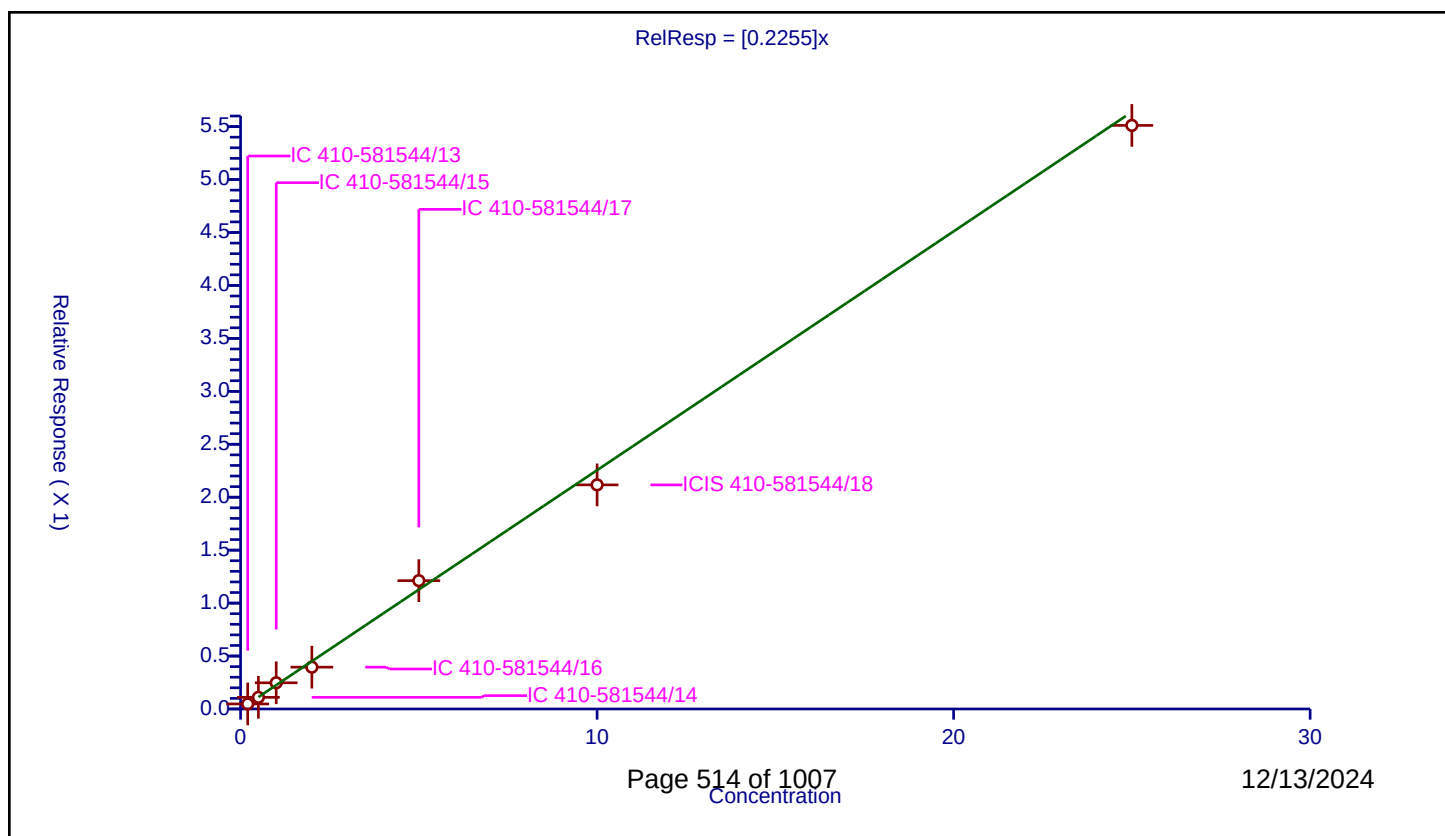
Curve Coefficients

Intercept: 0
Slope: 0.2255

Error Coefficients

Relative Standard Deviation: 8.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	0.2	0.04779	9.99966	2031304.0	0.238952	Y
2	IC 410-581544/14	0.5	0.110165	9.99966	2087335.0	0.220331	Y
3	IC 410-581544/15	1.0	0.247454	9.99966	1927527.0	0.247454	Y
4	IC 410-581544/16	2.0	0.394884	9.99966	2105483.0	0.197442	Y
5	IC 410-581544/17	5.0	1.212011	9.99966	1950593.0	0.242402	Y
6	ICIS 410-581544/18	10.0	2.116626	9.99966	2029850.0	0.211663	Y
7	IC 410-581544/19	25.0	5.511461	9.99966	2040629.0	0.220458	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

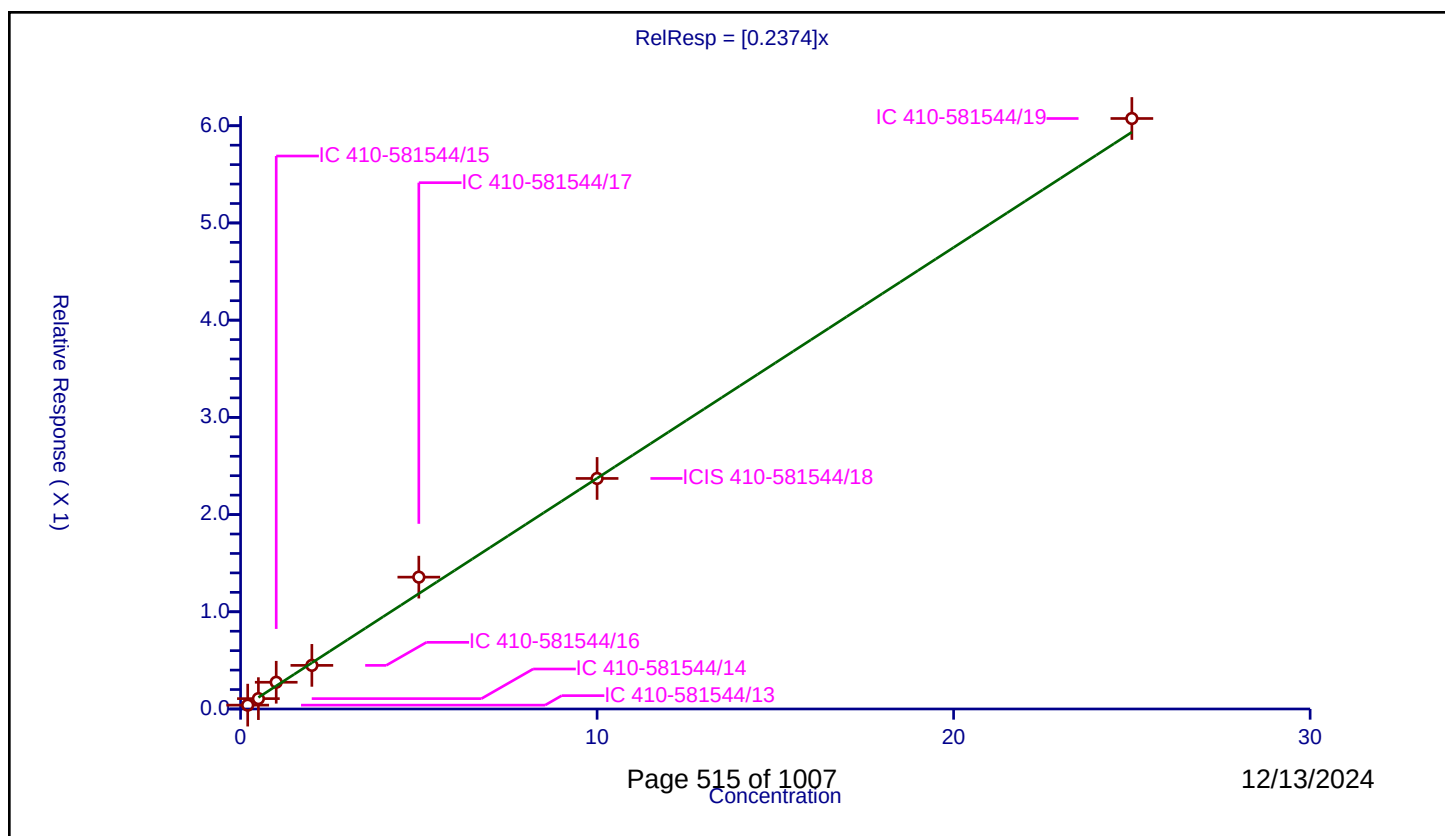
Curve Coefficients

Intercept: 0
Slope: 0.2374

Error Coefficients

Relative Standard Deviation: 12.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	0.2	0.039564	9.99966	2031304.0	0.197822	Y
2	IC 410-581544/14	0.5	0.106477	9.99966	2087335.0	0.212953	Y
3	IC 410-581544/15	1.0	0.275131	9.99966	1927527.0	0.275131	Y
4	IC 410-581544/16	2.0	0.448552	9.99966	2105483.0	0.224276	Y
5	IC 410-581544/17	5.0	1.356408	9.99966	1950593.0	0.271282	Y
6	ICIS 410-581544/18	10.0	2.371543	9.99966	2029850.0	0.237154	Y
7	IC 410-581544/19	25.0	6.074494	9.99966	2040629.0	0.24298	Y



Calibration

/ Acetone

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

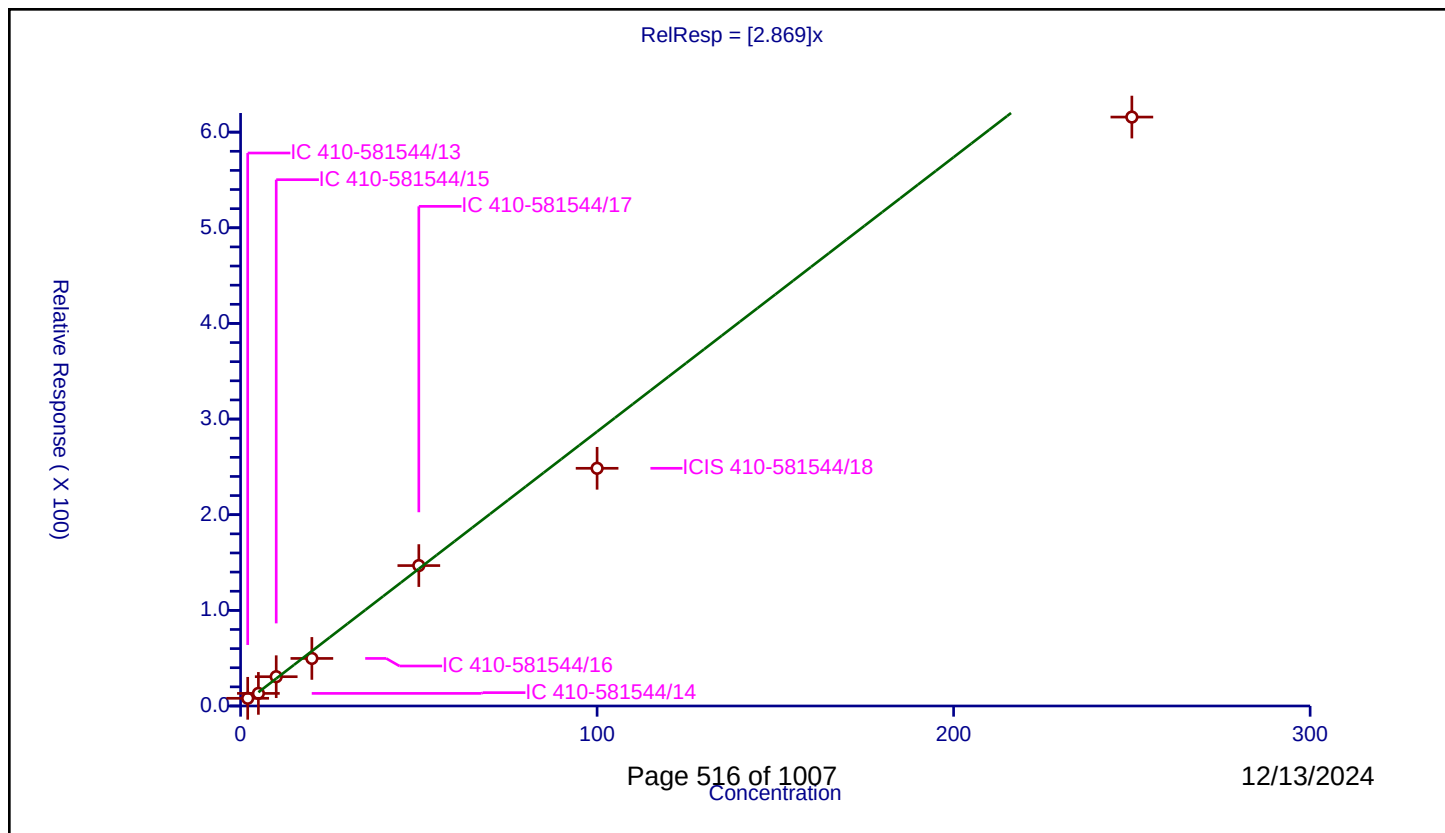
Curve Coefficients

Intercept: 0
Slope: 2.869

Error Coefficients

Relative Standard Deviation: 19.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	2.0	8.031687	49.9983	75156.0	4.015844	Y
2	IC 410-581544/14	5.0	13.161988	49.9983	78234.0	2.632398	Y
3	IC 410-581544/15	10.0	30.62473	49.9983	70537.0	3.062473	Y
4	IC 410-581544/16	20.0	49.738965	49.9983	82323.0	2.486948	Y
5	IC 410-581544/17	50.0	146.823507	49.9983	72915.0	2.93647	Y
6	ICIS 410-581544/18	100.0	248.522313	49.9983	80518.0	2.485223	Y
7	IC 410-581544/19	250.0	615.7731	49.9983	85355.0	2.463092	Y



Calibration

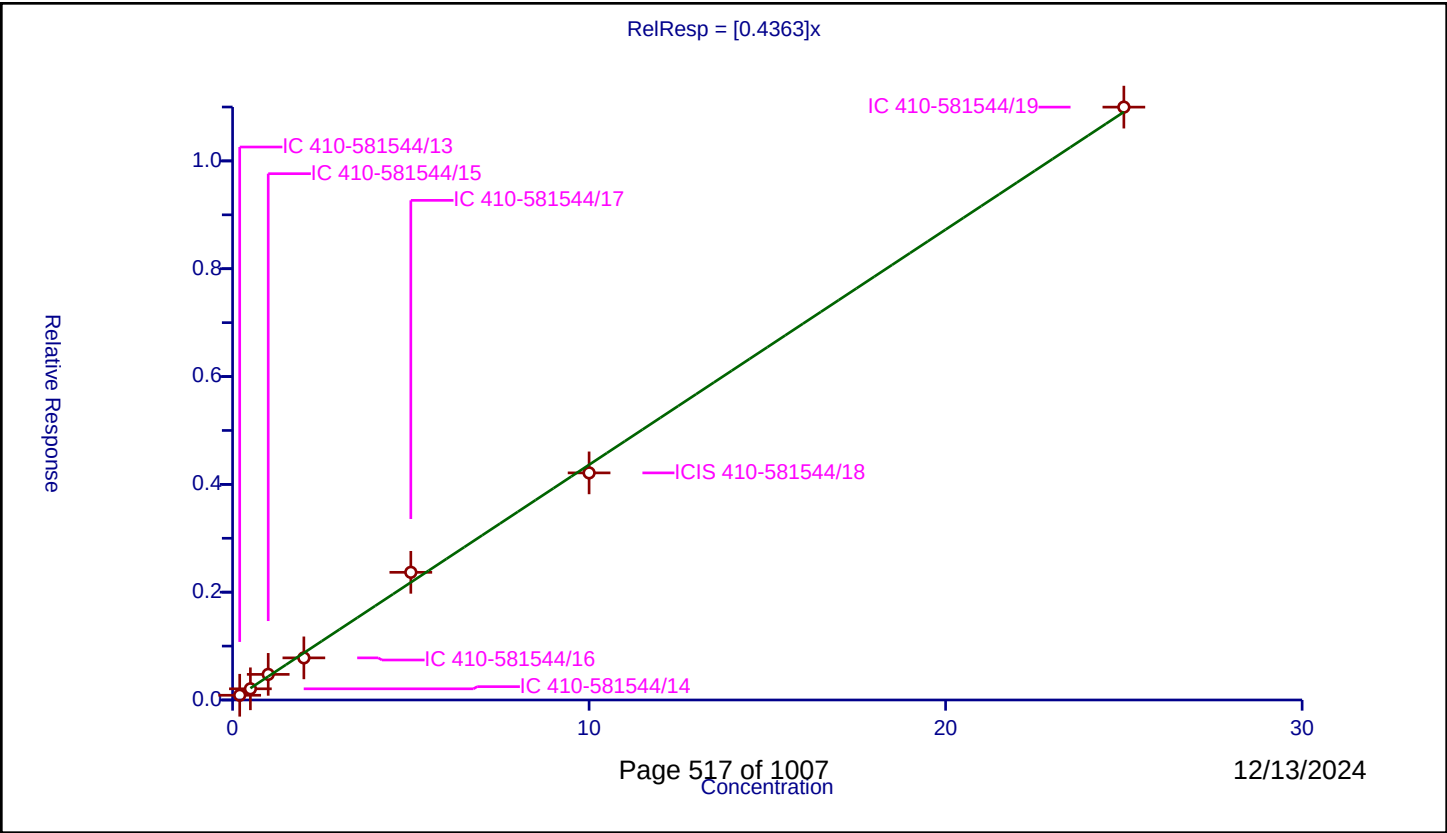
/ Iodomethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.4363
Error Coefficients	

Relative Standard Deviation: 7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	0.2	0.087694	9.99966	2031304.0	0.438472	Y
2	IC 410-581544/14	0.5	0.207511	9.99966	2087335.0	0.415022	Y
3	IC 410-581544/15	1.0	0.475111	9.99966	1927527.0	0.475111	Y
4	IC 410-581544/16	2.0	0.781352	9.99966	2105483.0	0.390676	Y
5	IC 410-581544/17	5.0	2.368481	9.99966	1950593.0	0.473696	Y
6	ICIS 410-581544/18	10.0	4.212991	9.99966	2029850.0	0.421299	Y
7	IC 410-581544/19	25.0	10.998019	9.99966	2040629.0	0.439921	Y



Calibration

/ Ethyl bromide

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

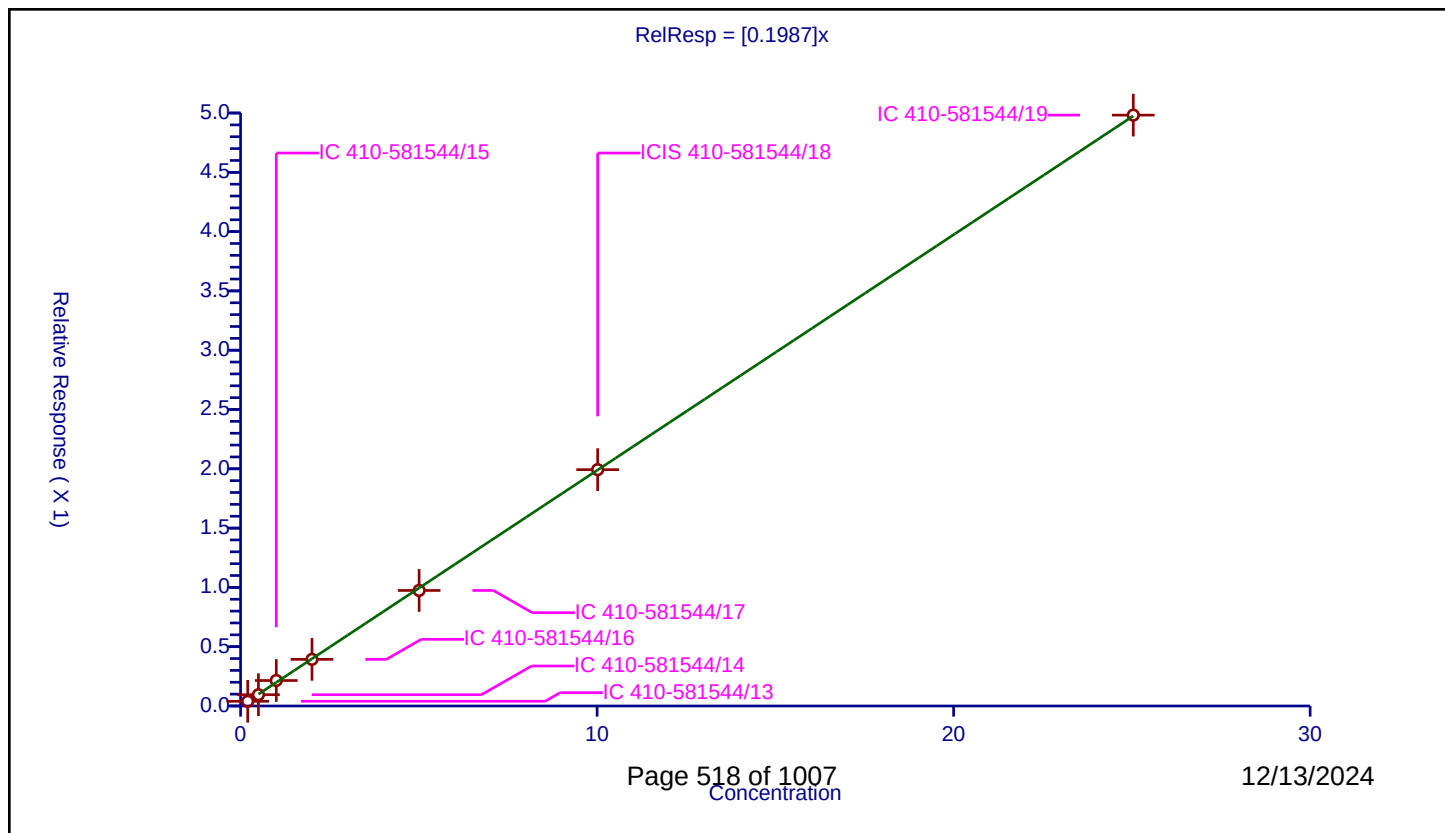
Curve Coefficients

Intercept: 0
Slope: 0.1987

Error Coefficients

Relative Standard Deviation: 3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	0.200321	0.039609	9.99966	2031304.0	0.197726	Y
2	IC 410-581544/14	0.500802	0.095046	9.99966	2087335.0	0.189788	Y
3	IC 410-581544/15	1.001604	0.214895	9.99966	1927527.0	0.214551	Y
4	IC 410-581544/16	2.003208	0.393246	9.99966	2105483.0	0.196308	Y
5	IC 410-581544/17	5.00802	0.974265	9.99966	1950593.0	0.194541	Y
6	ICIS 410-581544/18	10.01604	1.992759	9.99966	2029850.0	0.198957	Y
7	IC 410-581544/19	25.0401	4.982265	9.99966	2040629.0	0.198971	Y



Calibration

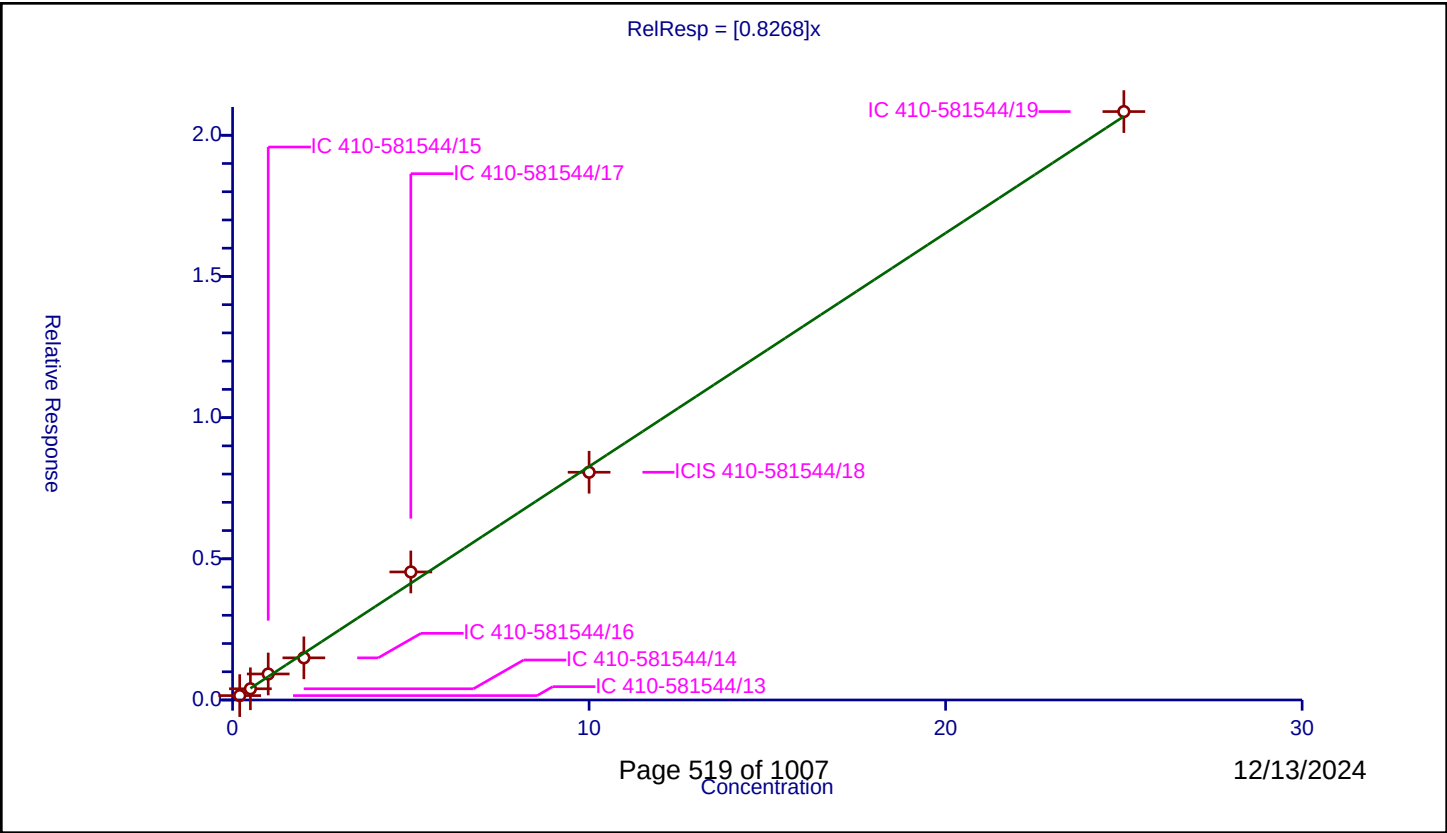
/ Carbon disulfide

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.8268
Error Coefficients	

Relative Standard Deviation: 7.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	0.2	0.15556	9.99966	2031304.0	0.777799	Y
2	IC 410-581544/14	0.5	0.397513	9.99966	2087335.0	0.795025	Y
3	IC 410-581544/15	1.0	0.921574	9.99966	1927527.0	0.921574	Y
4	IC 410-581544/16	2.0	1.492148	9.99966	2105483.0	0.746074	Y
5	IC 410-581544/17	5.0	4.534441	9.99966	1950593.0	0.906888	Y
6	ICIS 410-581544/18	10.0	8.065391	9.99966	2029850.0	0.806539	Y
7	IC 410-581544/19	25.0	20.838258	9.99966	2040629.0	0.83353	Y



Calibration

/ Methyl acetate

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

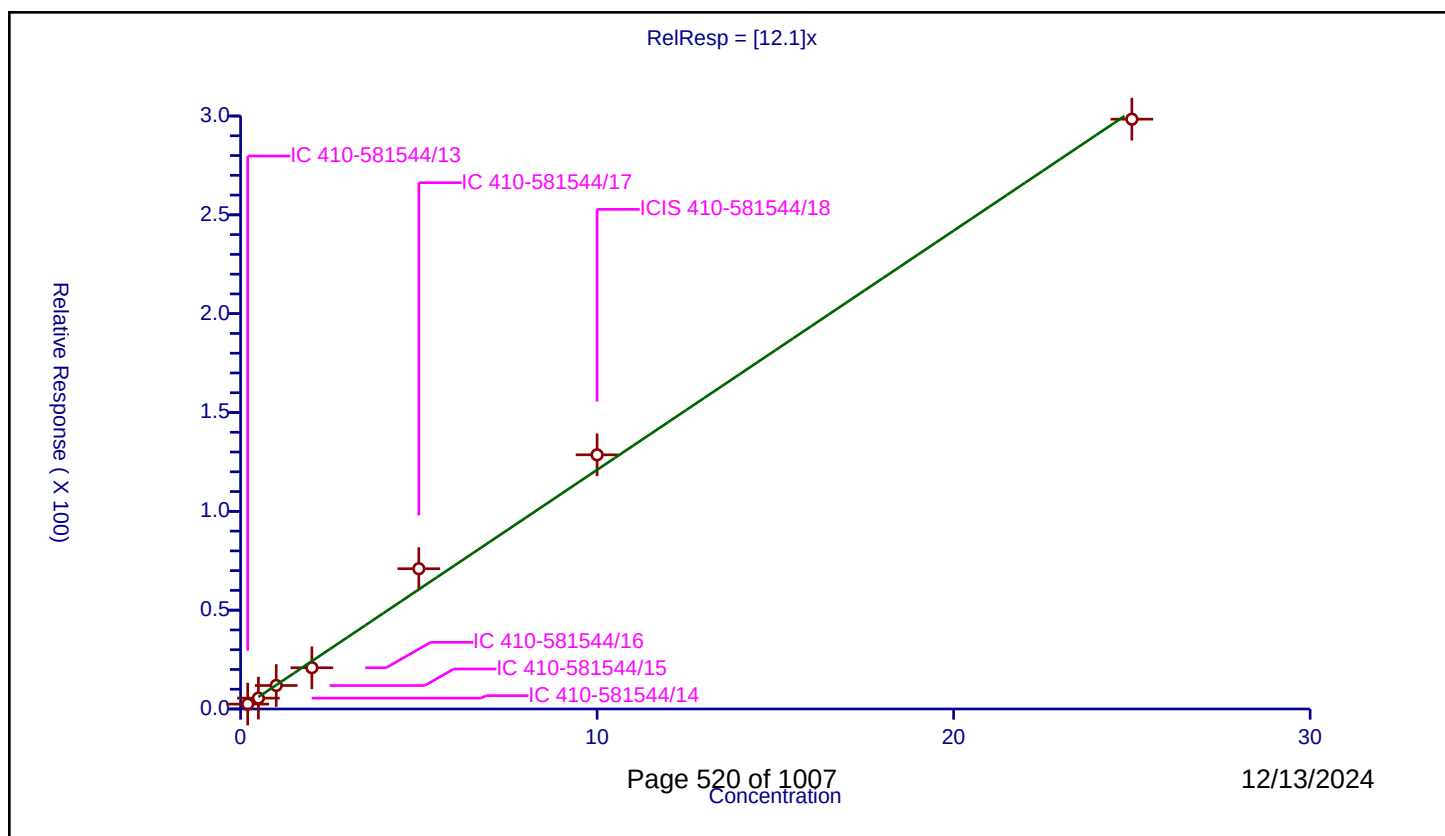
Curve Coefficients

Intercept: 0
Slope: 12.1

Error Coefficients

Relative Standard Deviation: 10.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	0.2	2.47876	49.9983	75156.0	12.393799	Y
2	IC 410-581544/14	0.5	5.497423	49.9983	78234.0	10.994846	Y
3	IC 410-581544/15	1.0	11.882721	49.9983	70537.0	11.882721	Y
4	IC 410-581544/16	2.0	20.86527	49.9983	82323.0	10.432635	Y
5	IC 410-581544/17	5.0	70.965152	49.9983	72915.0	14.19303	Y
6	ICIS 410-581544/18	10.0	128.596686	49.9983	80518.0	12.859669	Y
7	IC 410-581544/19	25.0	298.404124	49.9983	85355.0	11.936165	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

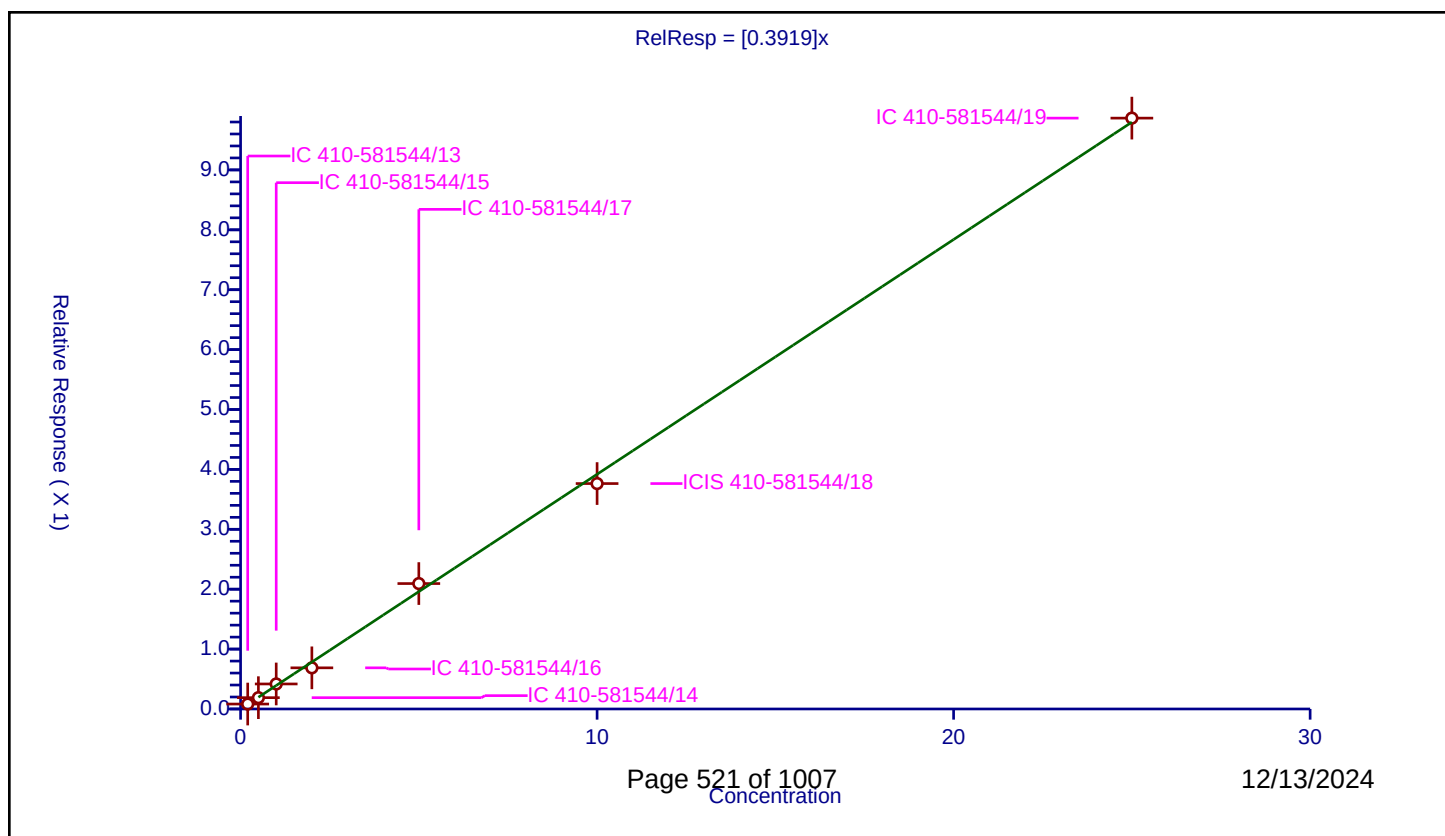
Curve Coefficients

Intercept: 0
Slope: 0.3919

Error Coefficients

Relative Standard Deviation: 7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	0.2	0.082747	9.99966	2031304.0	0.413735	Y
2	IC 410-581544/14	0.5	0.189096	9.99966	2087335.0	0.378192	Y
3	IC 410-581544/15	1.0	0.418008	9.99966	1927527.0	0.418008	Y
4	IC 410-581544/16	2.0	0.687282	9.99966	2105483.0	0.343641	Y
5	IC 410-581544/17	5.0	2.093938	9.99966	1950593.0	0.418788	Y
6	ICIS 410-581544/18	10.0	3.763446	9.99966	2029850.0	0.376345	Y
7	IC 410-581544/19	25.0	9.864657	9.99966	2040629.0	0.394586	Y



Calibration

/ Methylene Chloride

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

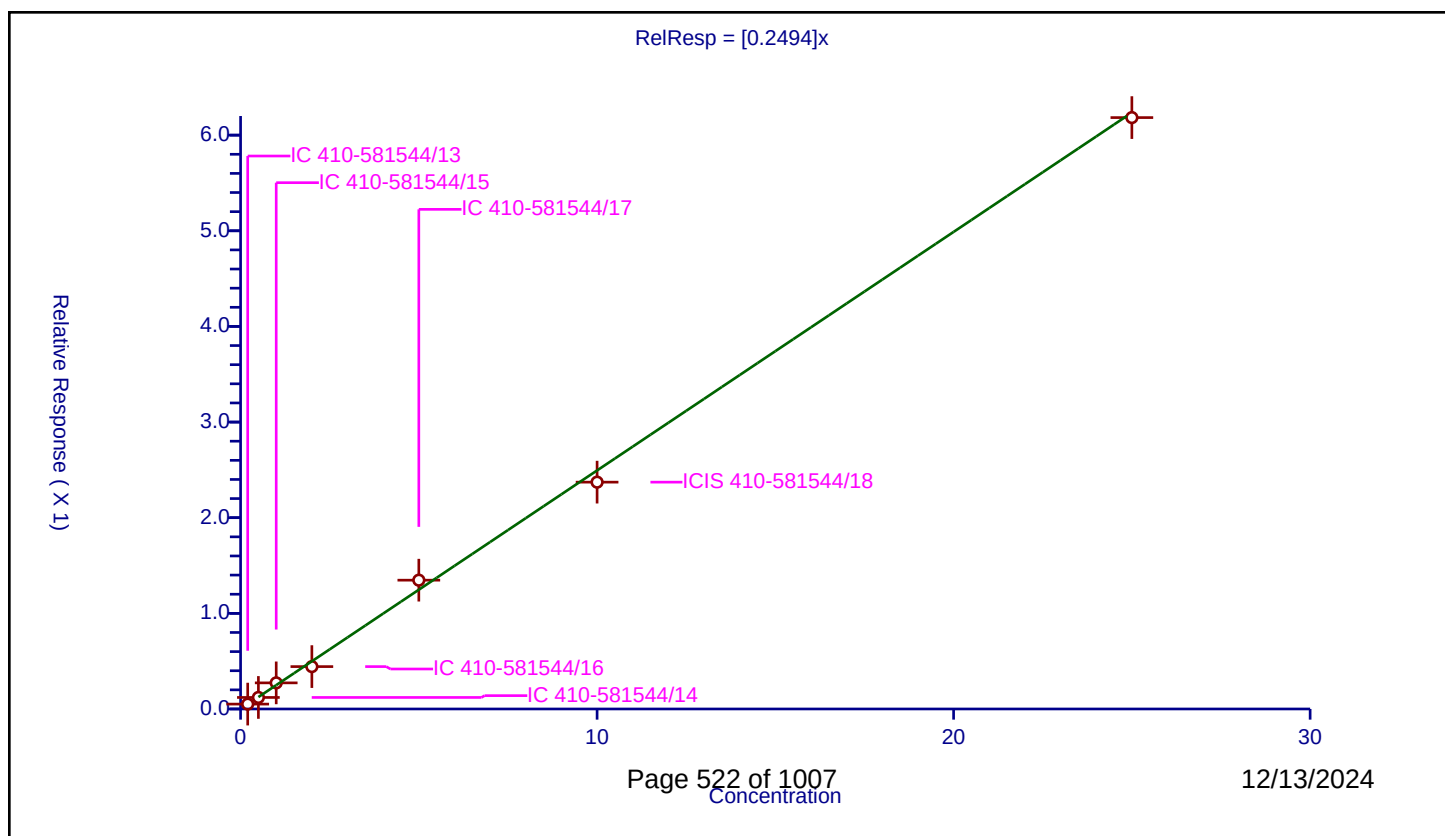
Curve Coefficients

Intercept: 0
Slope: 0.2494

Error Coefficients

Relative Standard Deviation: 7.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	0.2	0.051212	9.99966	2031304.0	0.256058	Y
2	IC 410-581544/14	0.5	0.12059	9.99966	2087335.0	0.24118	Y
3	IC 410-581544/15	1.0	0.273102	9.99966	1927527.0	0.273102	Y
4	IC 410-581544/16	2.0	0.443318	9.99966	2105483.0	0.221659	Y
5	IC 410-581544/17	5.0	1.34696	9.99966	1950593.0	0.269392	Y
6	ICIS 410-581544/18	10.0	2.371735	9.99966	2029850.0	0.237174	Y
7	IC 410-581544/19	25.0	6.183481	9.99966	2040629.0	0.247339	Y



Calibration

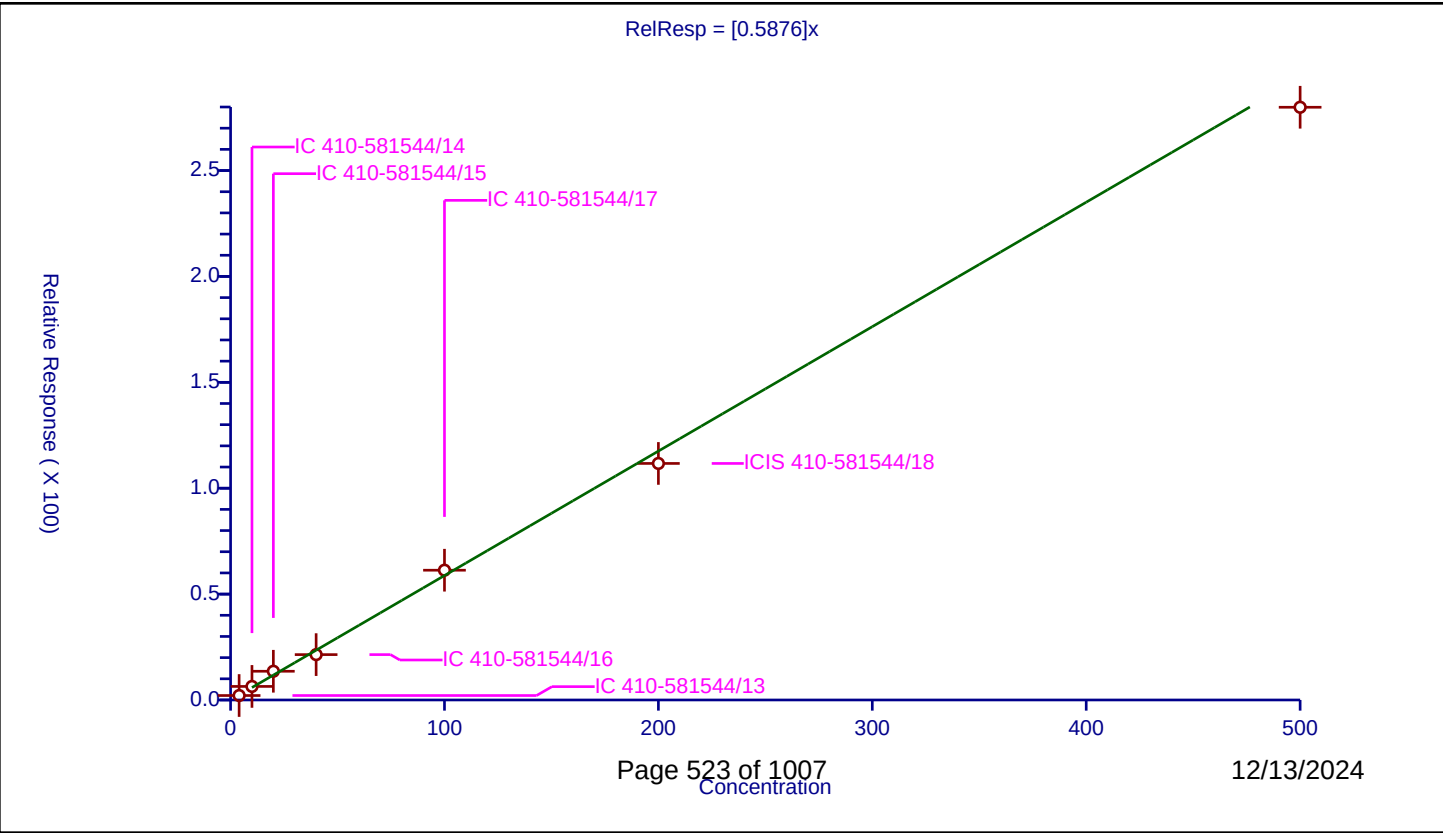
/ 2-Methyl-2-propanol

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.5876
Error Coefficients	

Relative Standard Deviation: 9.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	4.0	2.113532	49.9983	75156.0	0.528383	Y
2	IC 410-581544/14	10.0	6.397257	49.9983	78234.0	0.639726	Y
3	IC 410-581544/15	20.0	13.569013	49.9983	70537.0	0.678451	Y
4	IC 410-581544/16	40.0	21.423418	49.9983	82323.0	0.535585	Y
5	IC 410-581544/17	100.0	61.282974	49.9983	72915.0	0.61283	Y
6	ICIS 410-581544/18	200.0	111.69545	49.9983	80518.0	0.558477	Y
7	IC 410-581544/19	500.0	279.892071	49.9983	85355.0	0.559784	Y



Calibration

/ Acrylonitrile

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

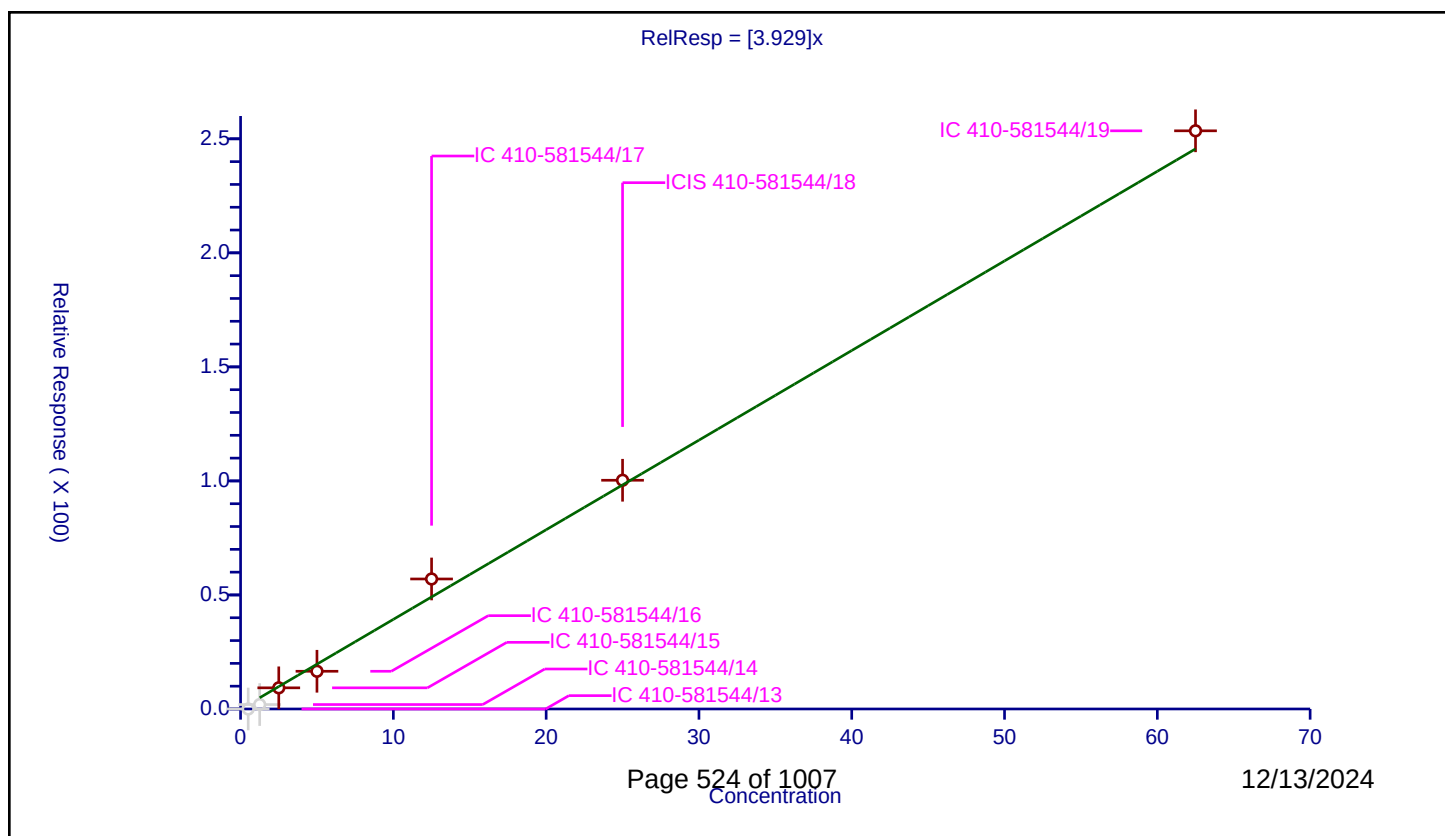
Curve Coefficients

Intercept: 0
Slope: 3.929

Error Coefficients

Relative Standard Deviation: 11.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	0.5	0.0	49.9983	75156.0	0.0	N
2	IC 410-581544/14	1.25	1.941545	49.9983	78234.0	1.553236	N
3	IC 410-581544/15	2.5	9.27425	49.9983	70537.0	3.7097	Y
4	IC 410-581544/16	5.0	16.540987	49.9983	82323.0	3.308197	Y
5	IC 410-581544/17	12.5	57.00485	49.9983	72915.0	4.560388	Y
6	ICIS 410-581544/18	25.0	100.297144	49.9983	80518.0	4.011886	Y
7	IC 410-581544/19	62.5	253.509628	49.9983	85355.0	4.056154	Y



Calibration

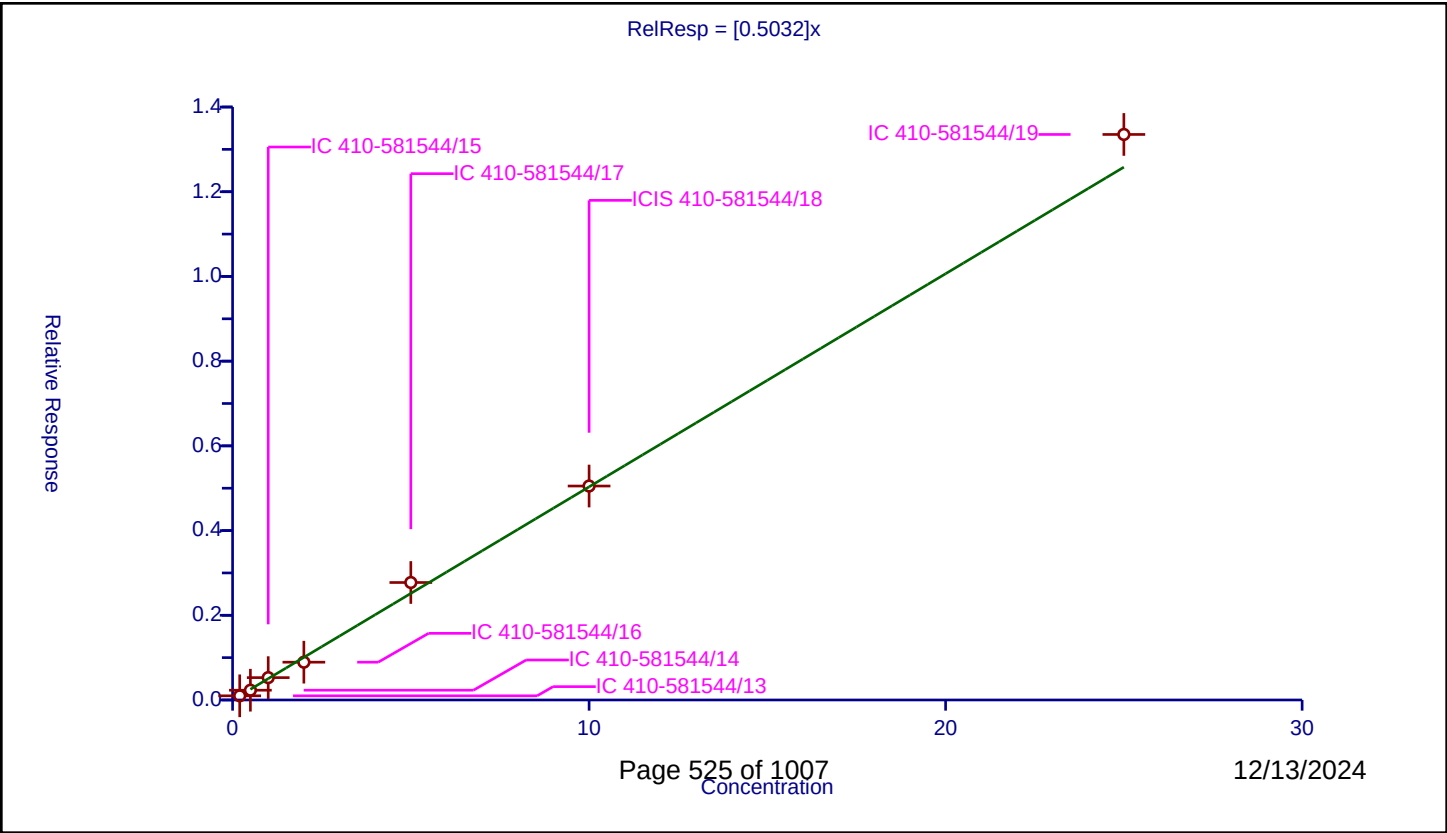
/ Methyl tert-butyl ether

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.5032
Error Coefficients	

Relative Standard Deviation: 7.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	0.2	0.098544	9.99966	2031304.0	0.492721	Y
2	IC 410-581544/14	0.5	0.230669	9.99966	2087335.0	0.461338	Y
3	IC 410-581544/15	1.0	0.52811	9.99966	1927527.0	0.52811	Y
4	IC 410-581544/16	2.0	0.892601	9.99966	2105483.0	0.4463	Y
5	IC 410-581544/17	5.0	2.773544	9.99966	1950593.0	0.554709	Y
6	ICIS 410-581544/18	10.0	5.051586	9.99966	2029850.0	0.505159	Y
7	IC 410-581544/19	25.0	13.352199	9.99966	2040629.0	0.534088	Y



Calibration

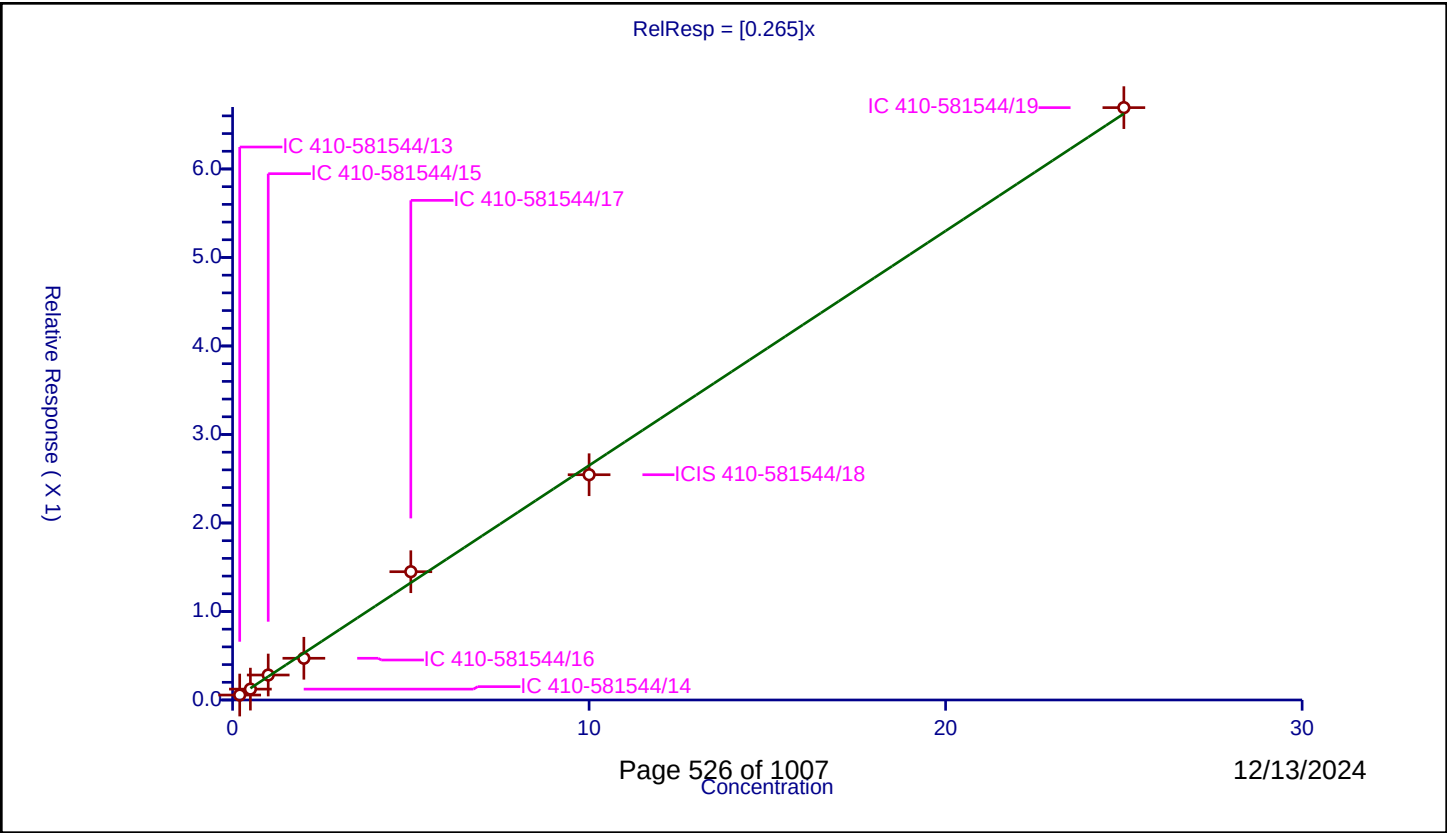
/ trans-1,2-Dichloroethene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.265
Error Coefficients	

Relative Standard Deviation: 7.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	0.2	0.055814	9.99966	2031304.0	0.279072	Y
2	IC 410-581544/14	0.5	0.122894	9.99966	2087335.0	0.245788	Y
3	IC 410-581544/15	1.0	0.282176	9.99966	1927527.0	0.282176	Y
4	IC 410-581544/16	2.0	0.471429	9.99966	2105483.0	0.235715	Y
5	IC 410-581544/17	5.0	1.449402	9.99966	1950593.0	0.28988	Y
6	ICIS 410-581544/18	10.0	2.545422	9.99966	2029850.0	0.254542	Y
7	IC 410-581544/19	25.0	6.693194	9.99966	2040629.0	0.267728	Y



Calibration

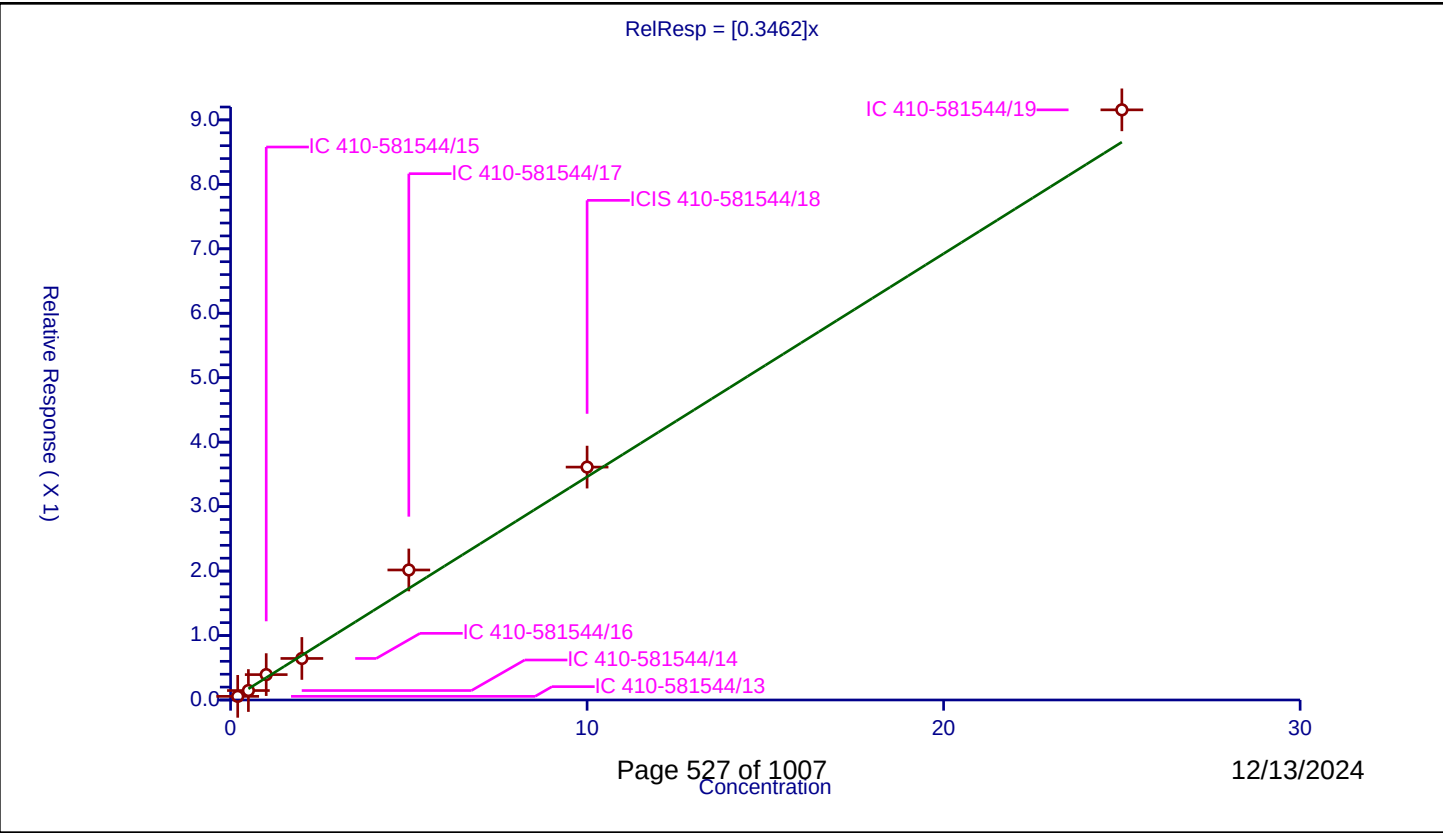
/ Hexane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.3462
Error Coefficients	

Relative Standard Deviation: 13.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	0.2	0.056666	9.99966	2031304.0	0.283331	Y
2	IC 410-581544/14	0.5	0.146713	9.99966	2087335.0	0.293426	Y
3	IC 410-581544/15	1.0	0.393584	9.99966	1927527.0	0.393584	Y
4	IC 410-581544/16	2.0	0.644358	9.99966	2105483.0	0.322179	Y
5	IC 410-581544/17	5.0	2.017349	9.99966	1950593.0	0.40347	Y
6	ICIS 410-581544/18	10.0	3.613489	9.99966	2029850.0	0.361349	Y
7	IC 410-581544/19	25.0	9.156331	9.99966	2040629.0	0.366253	Y



Calibration

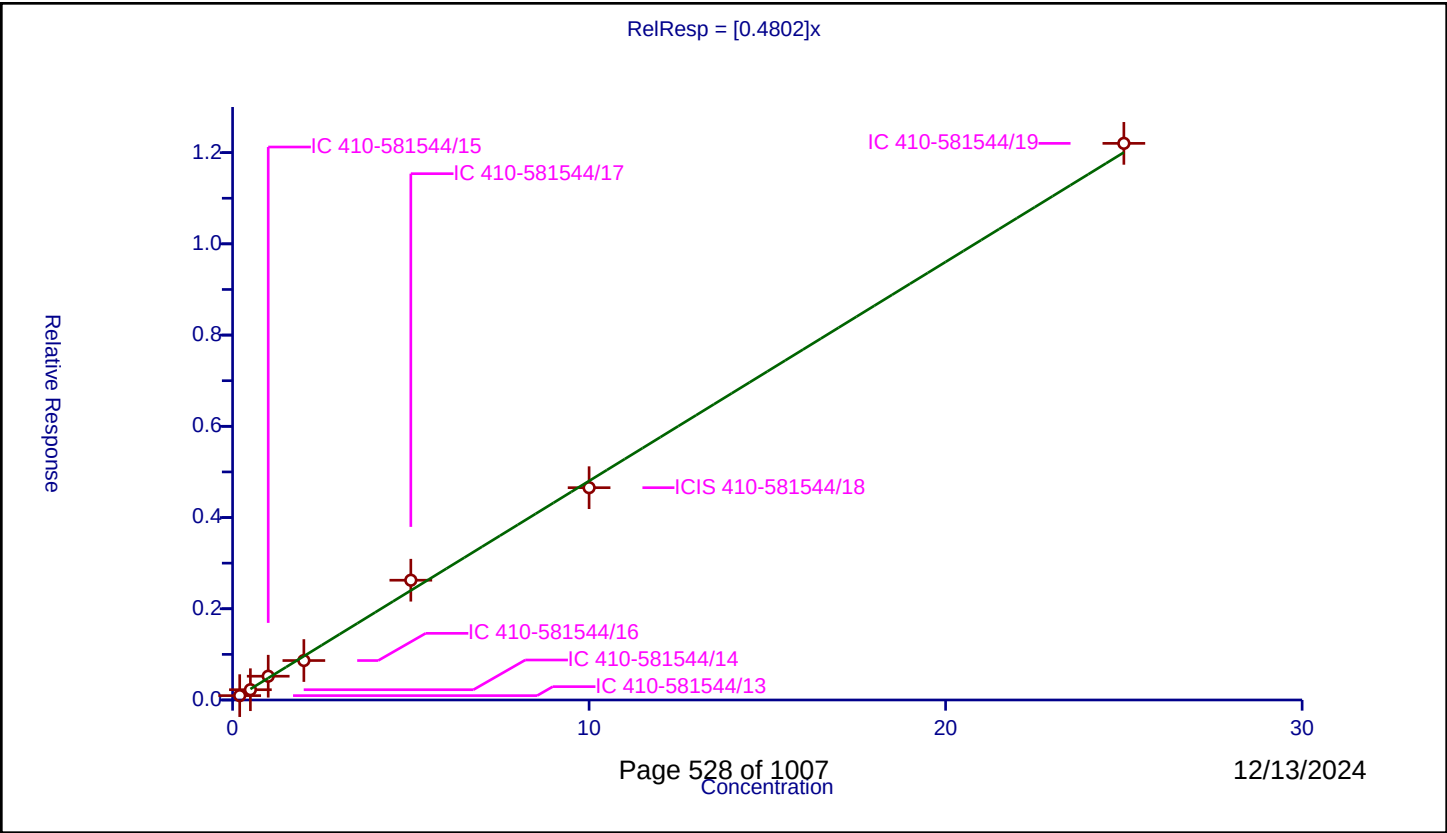
/ 1,1-Dichloroethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.4802
Error Coefficients	

Relative Standard Deviation: 7.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	0.2	0.095595	9.99966	2031304.0	0.477977	Y
2	IC 410-581544/14	0.5	0.225404	9.99966	2087335.0	0.450808	Y
3	IC 410-581544/15	1.0	0.521272	9.99966	1927527.0	0.521272	Y
4	IC 410-581544/16	2.0	0.865202	9.99966	2105483.0	0.432601	Y
5	IC 410-581544/17	5.0	2.62581	9.99966	1950593.0	0.525162	Y
6	ICIS 410-581544/18	10.0	4.654255	9.99966	2029850.0	0.465425	Y
7	IC 410-581544/19	25.0	12.20292	9.99966	2040629.0	0.488117	Y



Calibration

/ Isopropyl ether

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

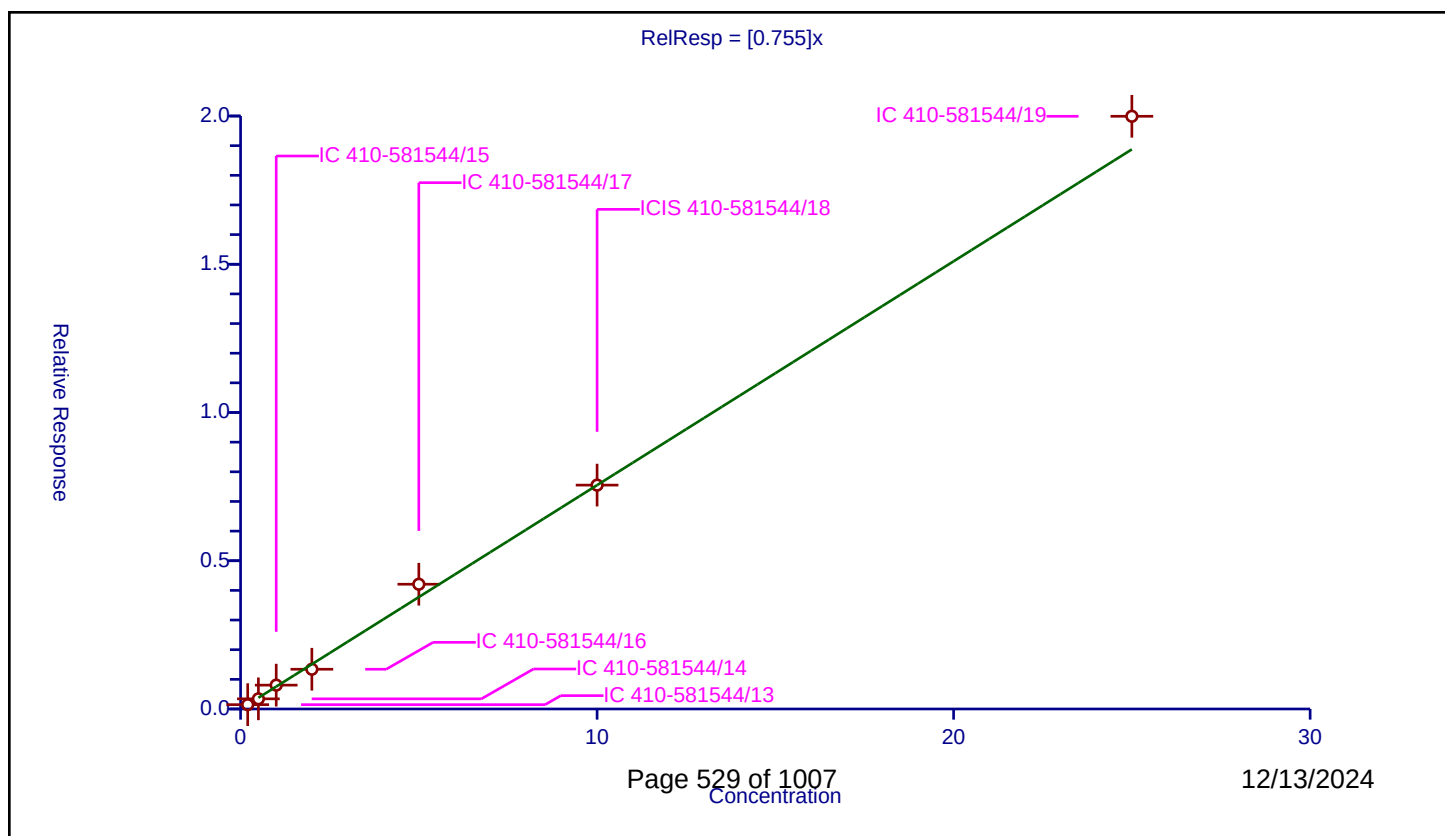
Curve Coefficients

Intercept: 0
Slope: 0.755

Error Coefficients

Relative Standard Deviation: 8.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	0.2	0.145827	9.99966	2031304.0	0.729137	Y
2	IC 410-581544/14	0.5	0.342449	9.99966	2087335.0	0.684898	Y
3	IC 410-581544/15	1.0	0.804325	9.99966	1927527.0	0.804325	Y
4	IC 410-581544/16	2.0	1.340825	9.99966	2105483.0	0.670412	Y
5	IC 410-581544/17	5.0	4.207885	9.99966	1950593.0	0.841577	Y
6	ICIS 410-581544/18	10.0	7.550986	9.99966	2029850.0	0.755099	Y
7	IC 410-581544/19	25.0	19.991127	9.99966	2040629.0	0.799645	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

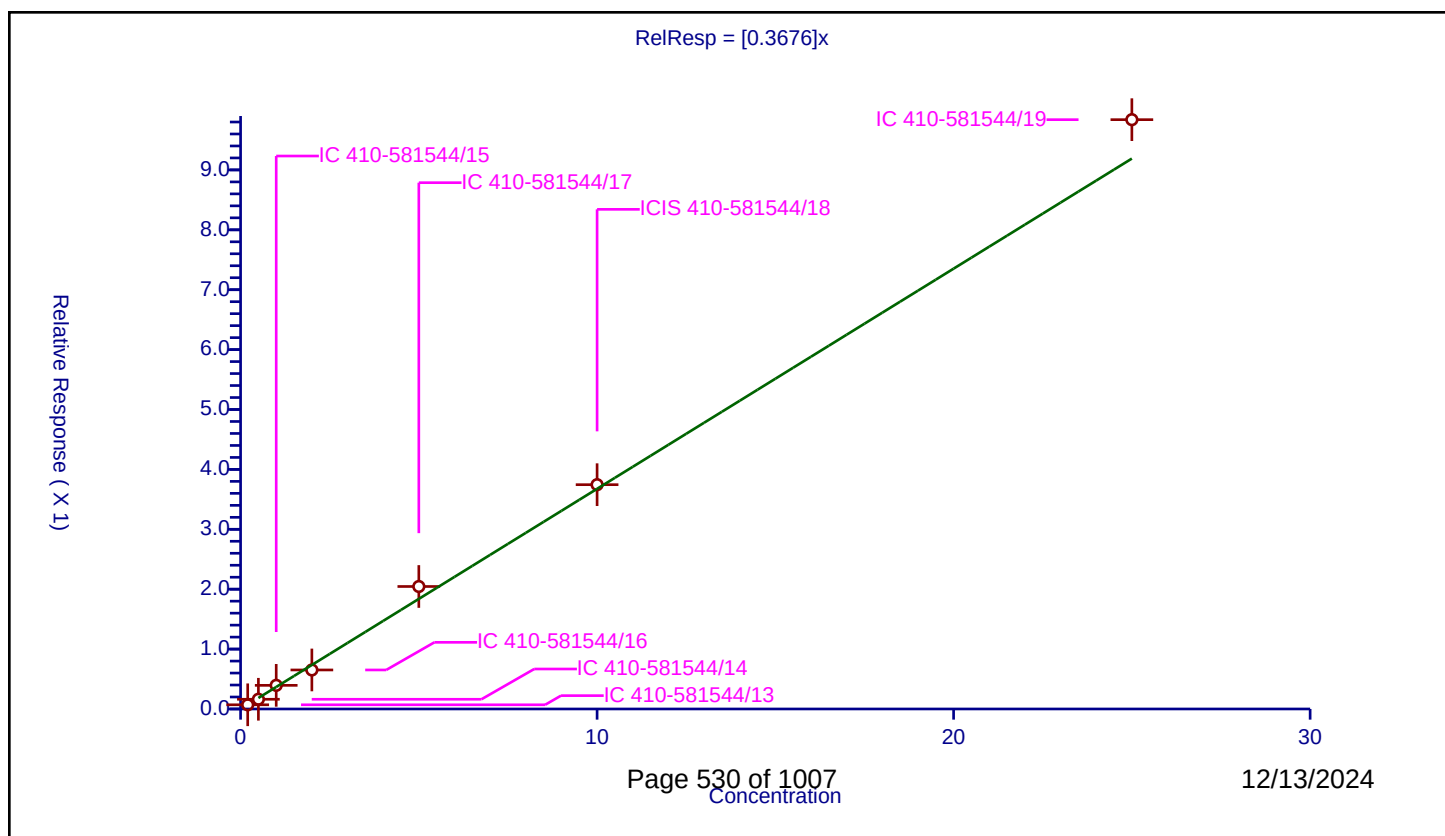
Curve Coefficients

Intercept: 0
Slope: 0.3676

Error Coefficients

Relative Standard Deviation: 9.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	0.2	0.070155	9.99966	2031304.0	0.350773	Y
2	IC 410-581544/14	0.5	0.162302	9.99966	2087335.0	0.324604	Y
3	IC 410-581544/15	1.0	0.394803	9.99966	1927527.0	0.394803	Y
4	IC 410-581544/16	2.0	0.651657	9.99966	2105483.0	0.325829	Y
5	IC 410-581544/17	5.0	2.044975	9.99966	1950593.0	0.408995	Y
6	ICIS 410-581544/18	10.0	3.744918	9.99966	2029850.0	0.374492	Y
7	IC 410-581544/19	25.0	9.838931	9.99966	2040629.0	0.393557	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

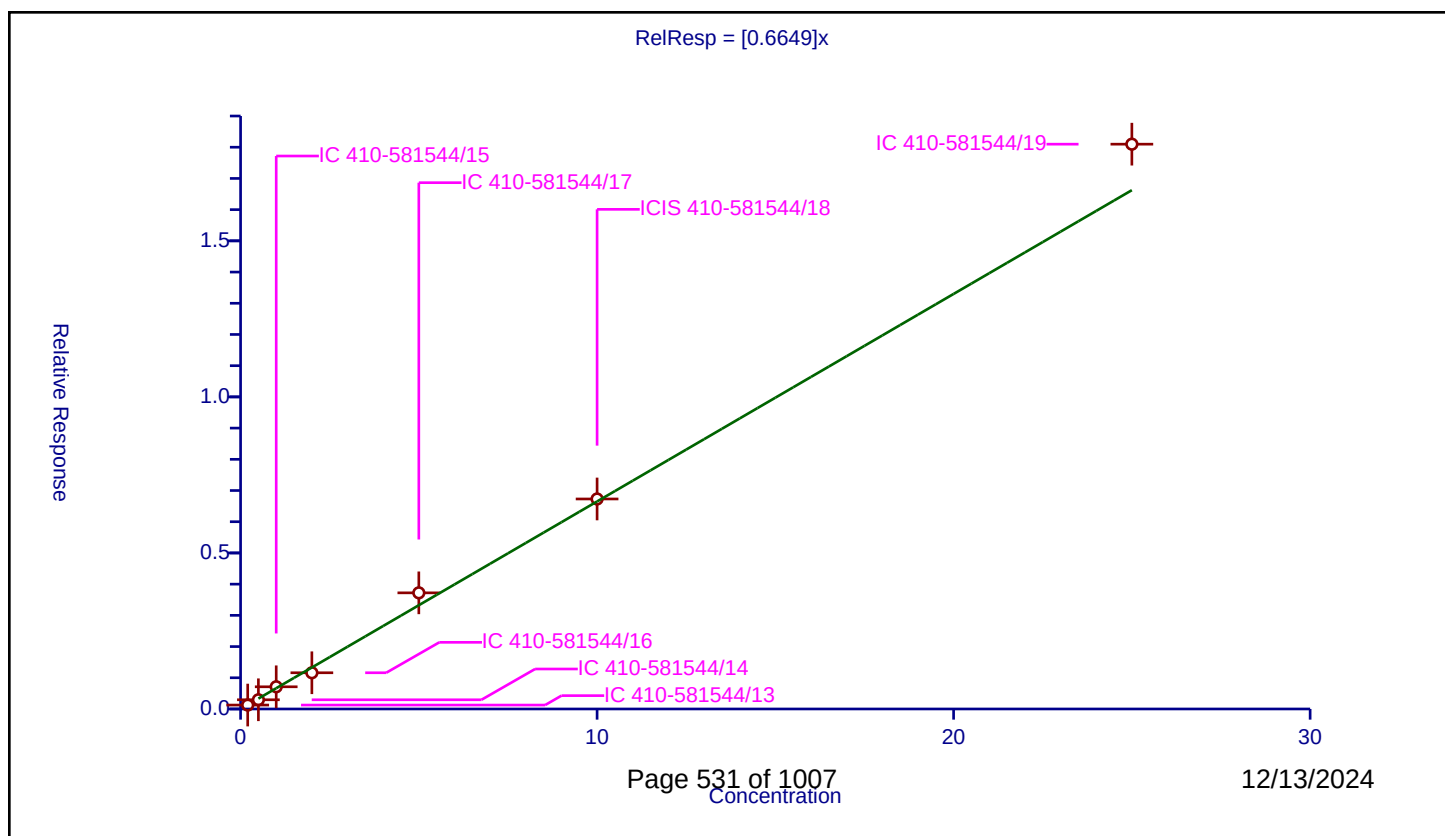
Curve Coefficients

Intercept: 0
Slope: 0.6649

Error Coefficients

Relative Standard Deviation: 9.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	0.2	0.12621	9.99966	2031304.0	0.631051	Y
2	IC 410-581544/14	0.5	0.295266	9.99966	2087335.0	0.590532	Y
3	IC 410-581544/15	1.0	0.711613	9.99966	1927527.0	0.711613	Y
4	IC 410-581544/16	2.0	1.160464	9.99966	2105483.0	0.580232	Y
5	IC 410-581544/17	5.0	3.721875	9.99966	1950593.0	0.744375	Y
6	ICIS 410-581544/18	10.0	6.729249	9.99966	2029850.0	0.672925	Y
7	IC 410-581544/19	25.0	18.097799	9.99966	2040629.0	0.723912	Y



Calibration

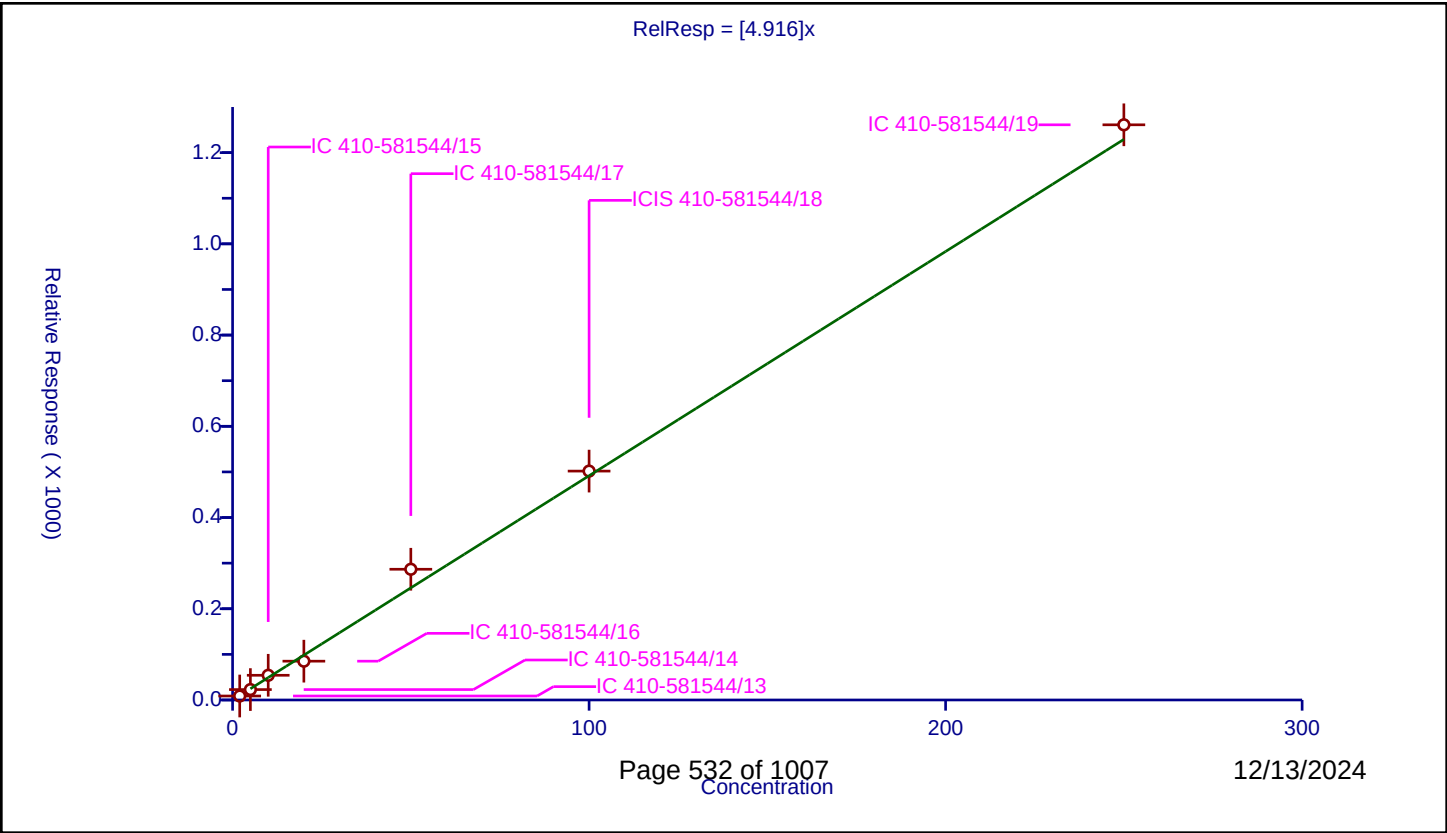
/ 2-Butanone (MEK)

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	4.916
Error Coefficients	

Relative Standard Deviation: 11.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	2.0	8.760812	49.9983	75156.0	4.380406	Y
2	IC 410-581544/14	5.0	22.85118	49.9983	78234.0	4.570236	Y
3	IC 410-581544/15	10.0	54.142084	49.9983	70537.0	5.414208	Y
4	IC 410-581544/16	20.0	85.094224	49.9983	82323.0	4.254711	Y
5	IC 410-581544/17	50.0	286.593149	49.9983	72915.0	5.731863	Y
6	ICIS 410-581544/18	100.0	501.784399	49.9983	80518.0	5.017844	Y
7	IC 410-581544/19	250.0	1260.987527	49.9983	85355.0	5.04395	Y



Calibration

/ 2,2-Dichloropropane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

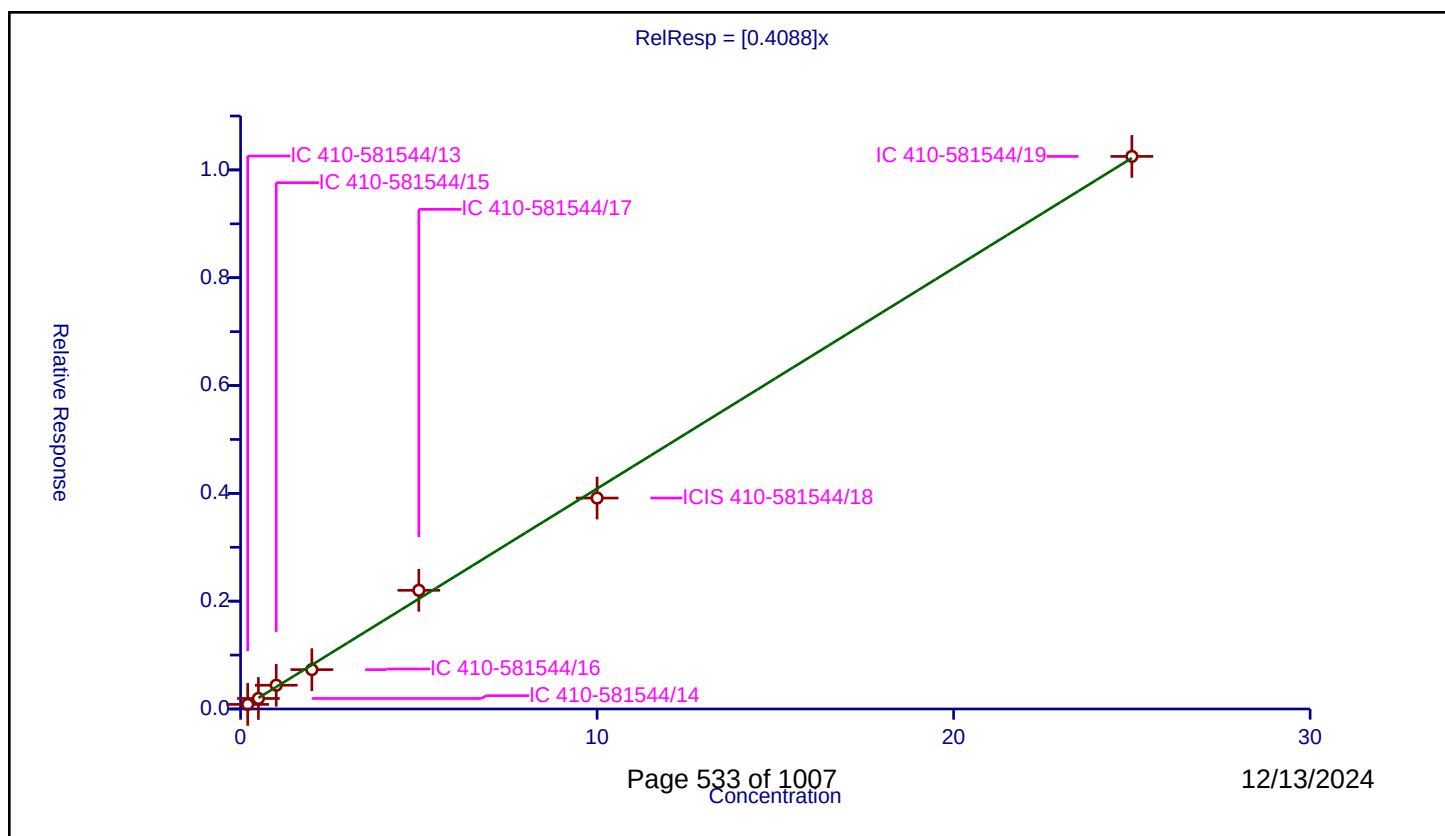
Curve Coefficients

Intercept: 0
Slope: 0.4088

Error Coefficients

Relative Standard Deviation: 6.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	0.2	0.08479	9.99966	2031304.0	0.42395	Y
2	IC 410-581544/14	0.5	0.195372	9.99966	2087335.0	0.390743	Y
3	IC 410-581544/15	1.0	0.440285	9.99966	1927527.0	0.440285	Y
4	IC 410-581544/16	2.0	0.729998	9.99966	2105483.0	0.364999	Y
5	IC 410-581544/17	5.0	2.201727	9.99966	1950593.0	0.440345	Y
6	ICIS 410-581544/18	10.0	3.913319	9.99966	2029850.0	0.391332	Y
7	IC 410-581544/19	25.0	10.250339	9.99966	2040629.0	0.410014	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

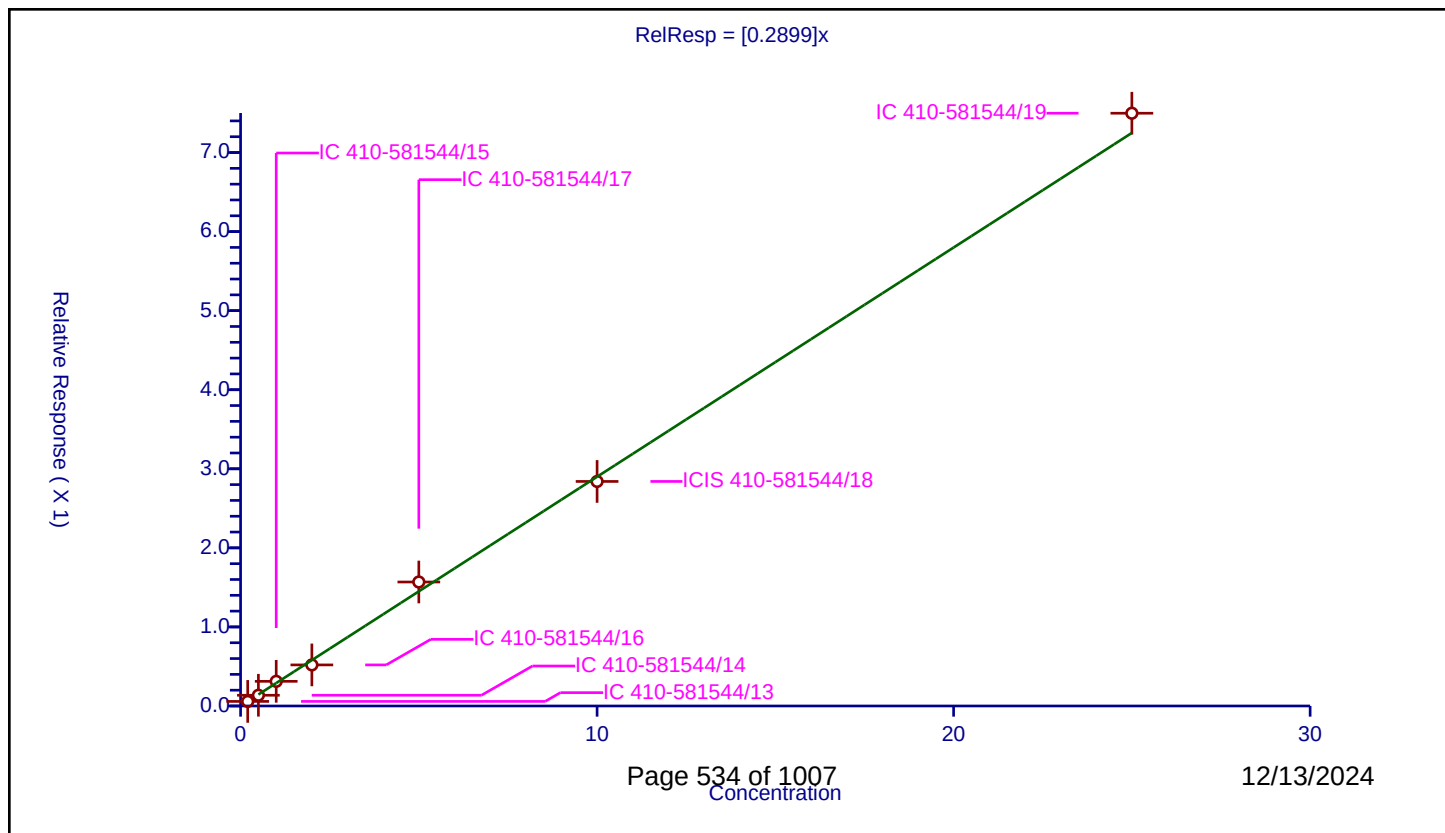
Curve Coefficients

Intercept: 0
Slope: 0.2899

Error Coefficients

Relative Standard Deviation: 6.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	0.2	0.057675	9.99966	2031304.0	0.288376	Y
2	IC 410-581544/14	0.5	0.135891	9.99966	2087335.0	0.271782	Y
3	IC 410-581544/15	1.0	0.311954	9.99966	1927527.0	0.311954	Y
4	IC 410-581544/16	2.0	0.51973	9.99966	2105483.0	0.259865	Y
5	IC 410-581544/17	5.0	1.568218	9.99966	1950593.0	0.313644	Y
6	ICIS 410-581544/18	10.0	2.839995	9.99966	2029850.0	0.284	Y
7	IC 410-581544/19	25.0	7.49735	9.99966	2040629.0	0.299894	Y



Calibration

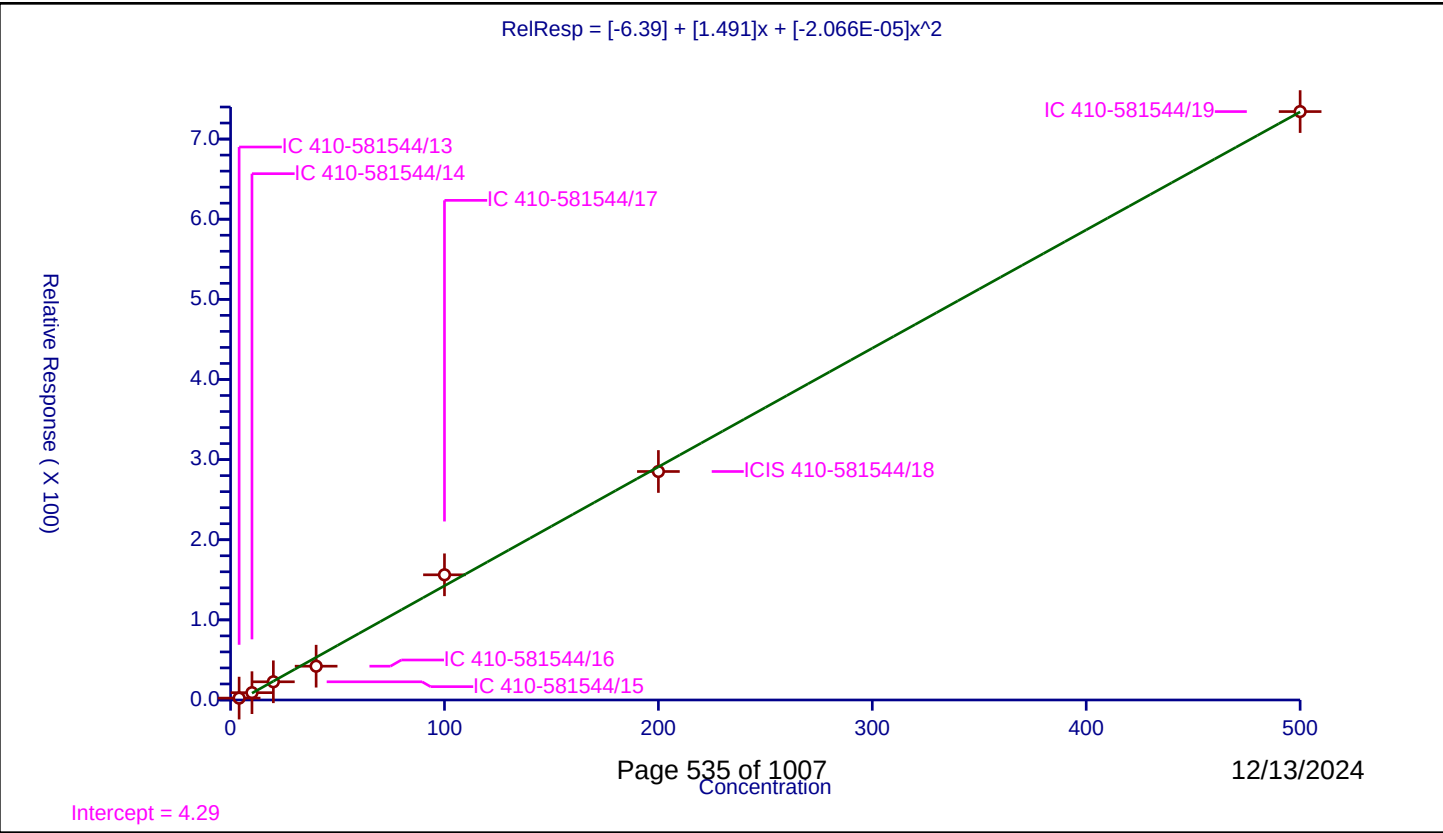
/ Propionitrile

Curve Type: Quadratic
Weighting: None
Origin: None
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	-6.39
Slope:	1.491
Second Order:	-2.066E-05
Error Coefficients	

Relative Standard Deviation: 25.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	4.0	2.332402	49.9983	75156.0	0.583101	Y
2	IC 410-581544/14	10.0	9.122322	49.9983	78234.0	0.912232	Y
3	IC 410-581544/15	20.0	22.696536	49.9983	70537.0	1.134827	Y
4	IC 410-581544/16	40.0	42.176329	49.9983	82323.0	1.054408	Y
5	IC 410-581544/17	100.0	156.233459	49.9983	72915.0	1.562335	Y
6	ICIS 410-581544/18	200.0	285.145798	49.9983	80518.0	1.425729	Y
7	IC 410-581544/19	500.0	734.314556	49.9983	85355.0	1.468629	Y



Calibration

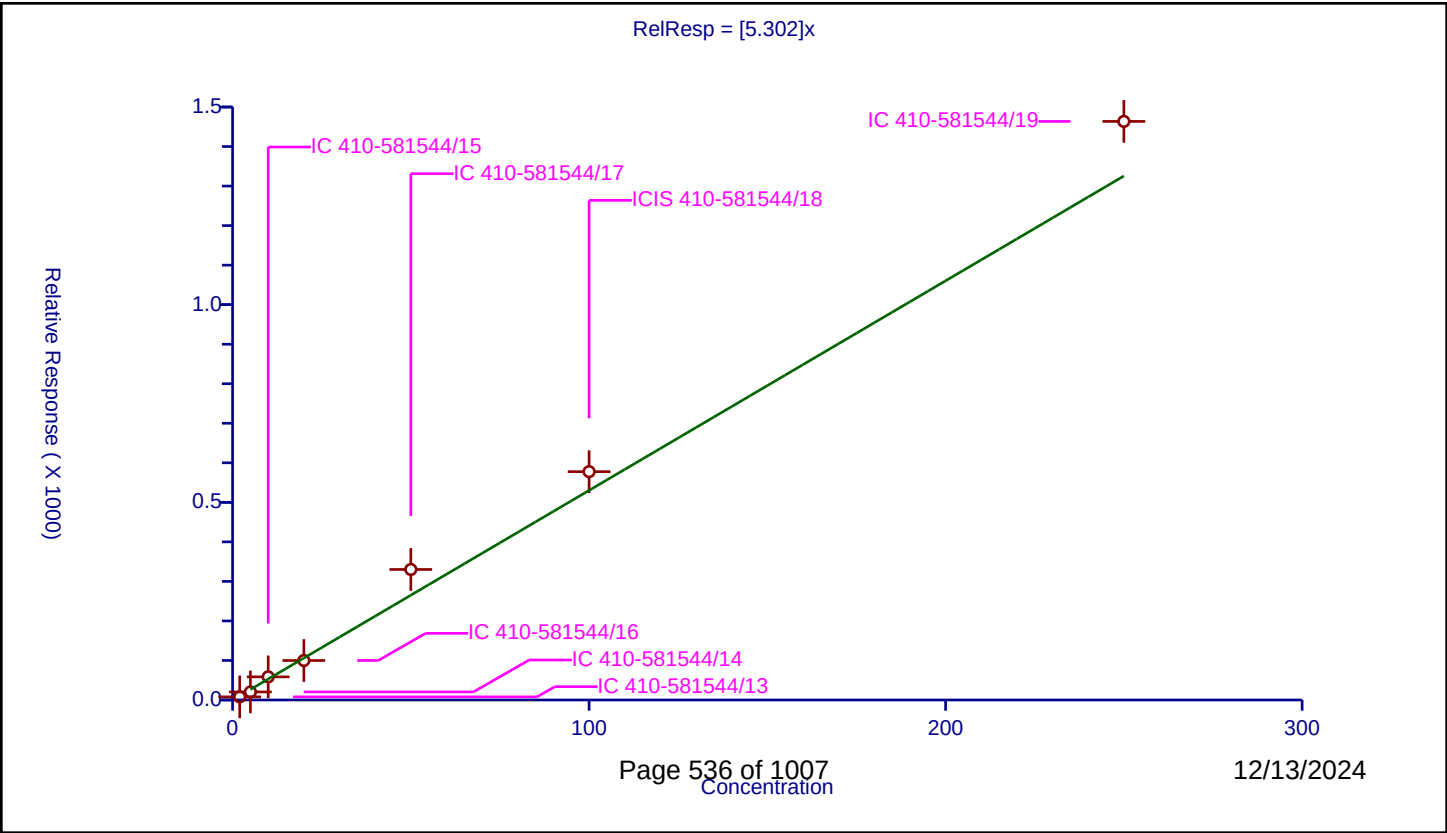
/ Methacrylonitrile

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	5.302

Error Coefficients	
Relative Standard Deviation:	18.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	2.0	7.918593	49.9983	75156.0	3.959296	Y
2	IC 410-581544/14	5.0	20.382388	49.9983	78234.0	4.076478	Y
3	IC 410-581544/15	10.0	58.502767	49.9983	70537.0	5.850277	Y
4	IC 410-581544/16	20.0	99.898818	49.9983	82323.0	4.994941	Y
5	IC 410-581544/17	50.0	330.150607	49.9983	72915.0	6.603012	Y
6	ICIS 410-581544/18	100.0	577.611449	49.9983	80518.0	5.776114	Y
7	IC 410-581544/19	250.0	1463.571583	49.9983	85355.0	5.854286	Y



Calibration

/ Chlorobromomethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

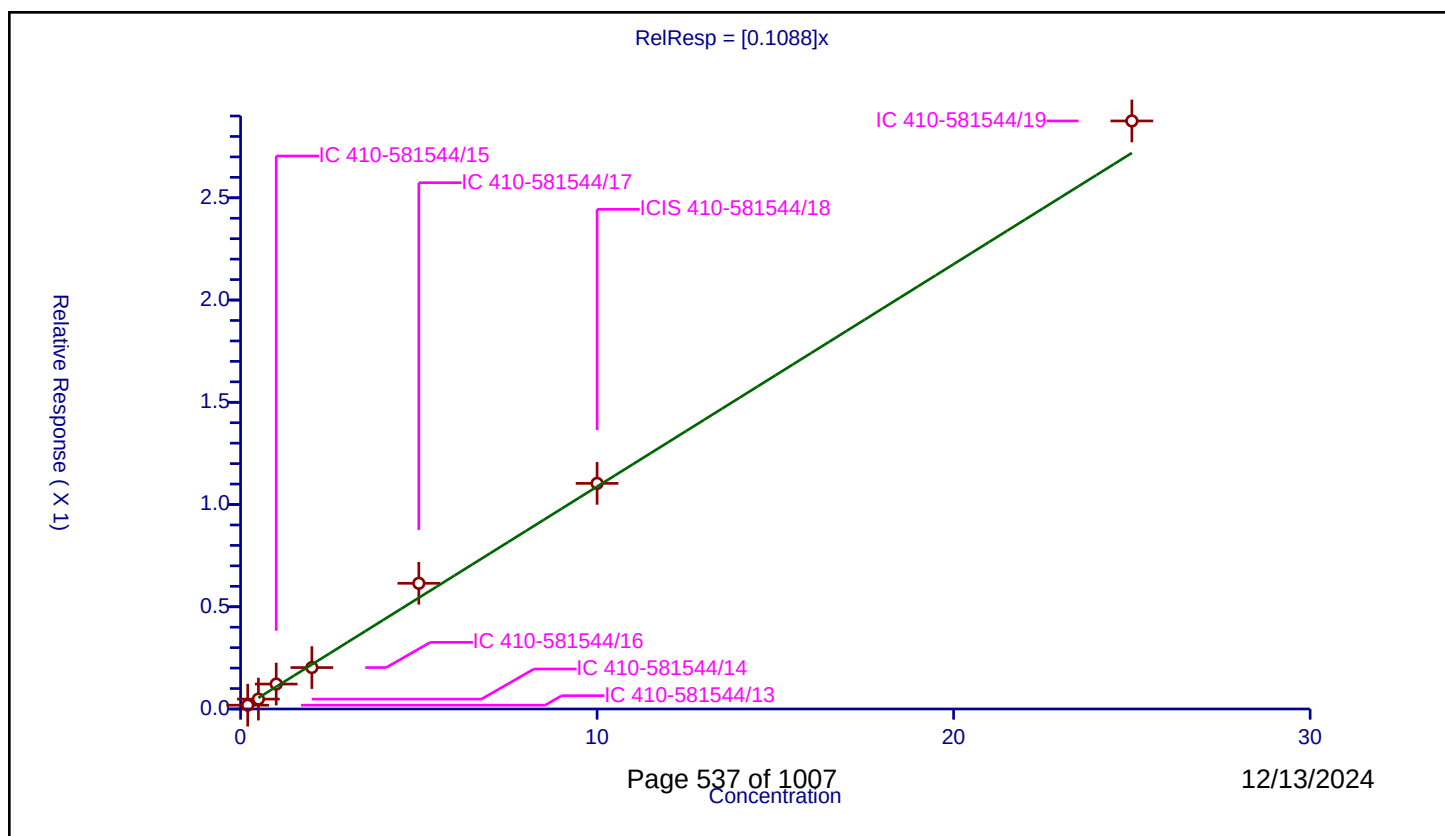
Curve Coefficients

Intercept: 0
Slope: 0.1088

Error Coefficients

Relative Standard Deviation: 11.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	0.2	0.018638	9.99966	2031304.0	0.093188	Y
2	IC 410-581544/14	0.5	0.048352	9.99966	2087335.0	0.096704	Y
3	IC 410-581544/15	1.0	0.121909	9.99966	1927527.0	0.121909	Y
4	IC 410-581544/16	2.0	0.202574	9.99966	2105483.0	0.101287	Y
5	IC 410-581544/17	5.0	0.614756	9.99966	1950593.0	0.122951	Y
6	ICIS 410-581544/18	10.0	1.103404	9.99966	2029850.0	0.11034	Y
7	IC 410-581544/19	25.0	2.875873	9.99966	2040629.0	0.115035	Y



Calibration

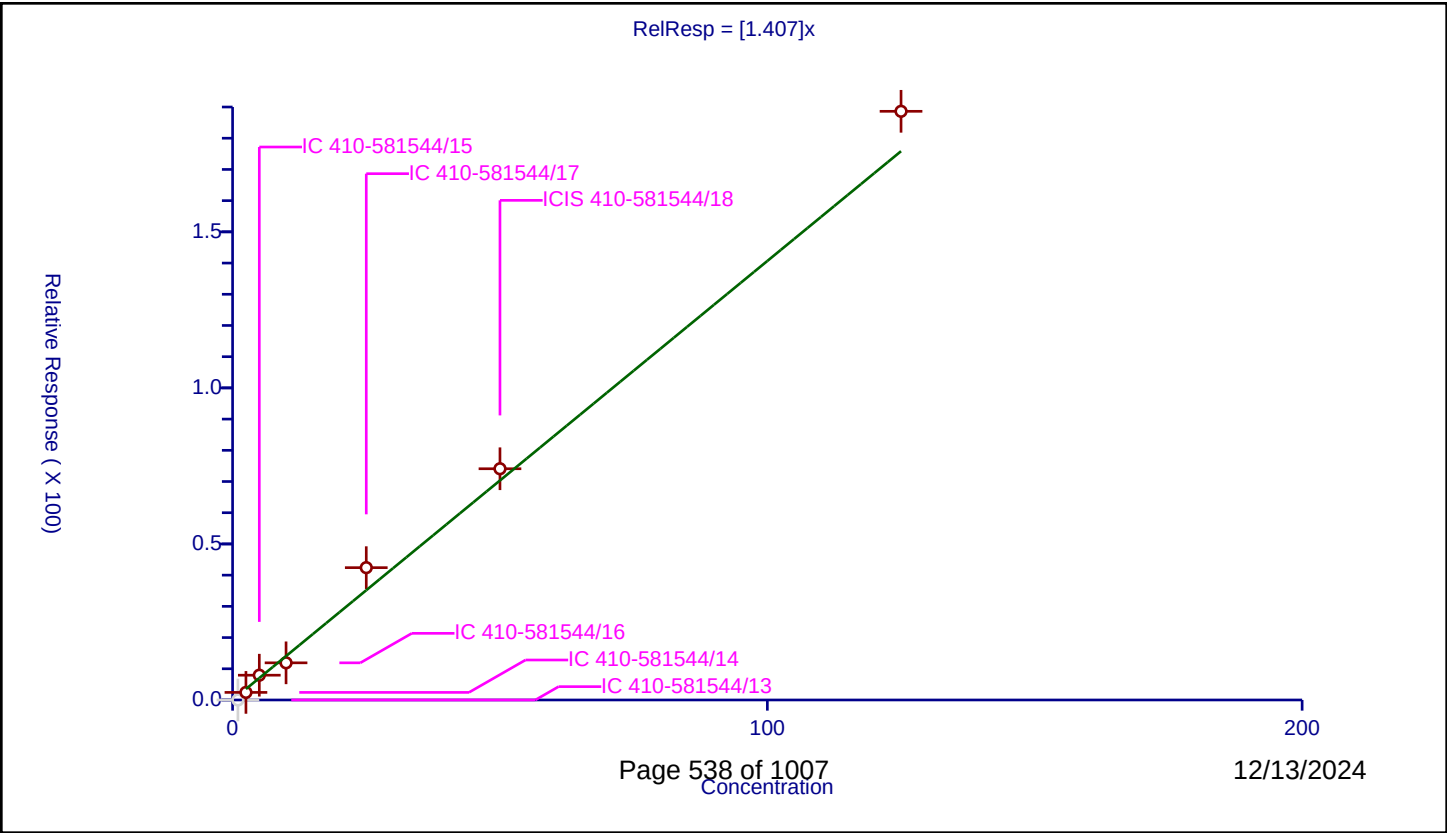
/ Tetrahydrofuran

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.407
Error Coefficients	

Relative Standard Deviation: 19.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	1.0	0.0	49.9983	75156.0	0.0	N
2	IC 410-581544/14	2.5	2.433003	49.9983	78234.0	0.973201	Y
3	IC 410-581544/15	5.0	7.945914	49.9983	70537.0	1.589183	Y
4	IC 410-581544/16	10.0	11.909997	49.9983	82323.0	1.191	Y
5	IC 410-581544/17	25.0	42.402042	49.9983	72915.0	1.696082	Y
6	ICIS 410-581544/18	50.0	74.095819	49.9983	80518.0	1.481916	Y
7	IC 410-581544/19	125.0	188.624012	49.9983	85355.0	1.508992	Y



Calibration

/ Chloroform

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

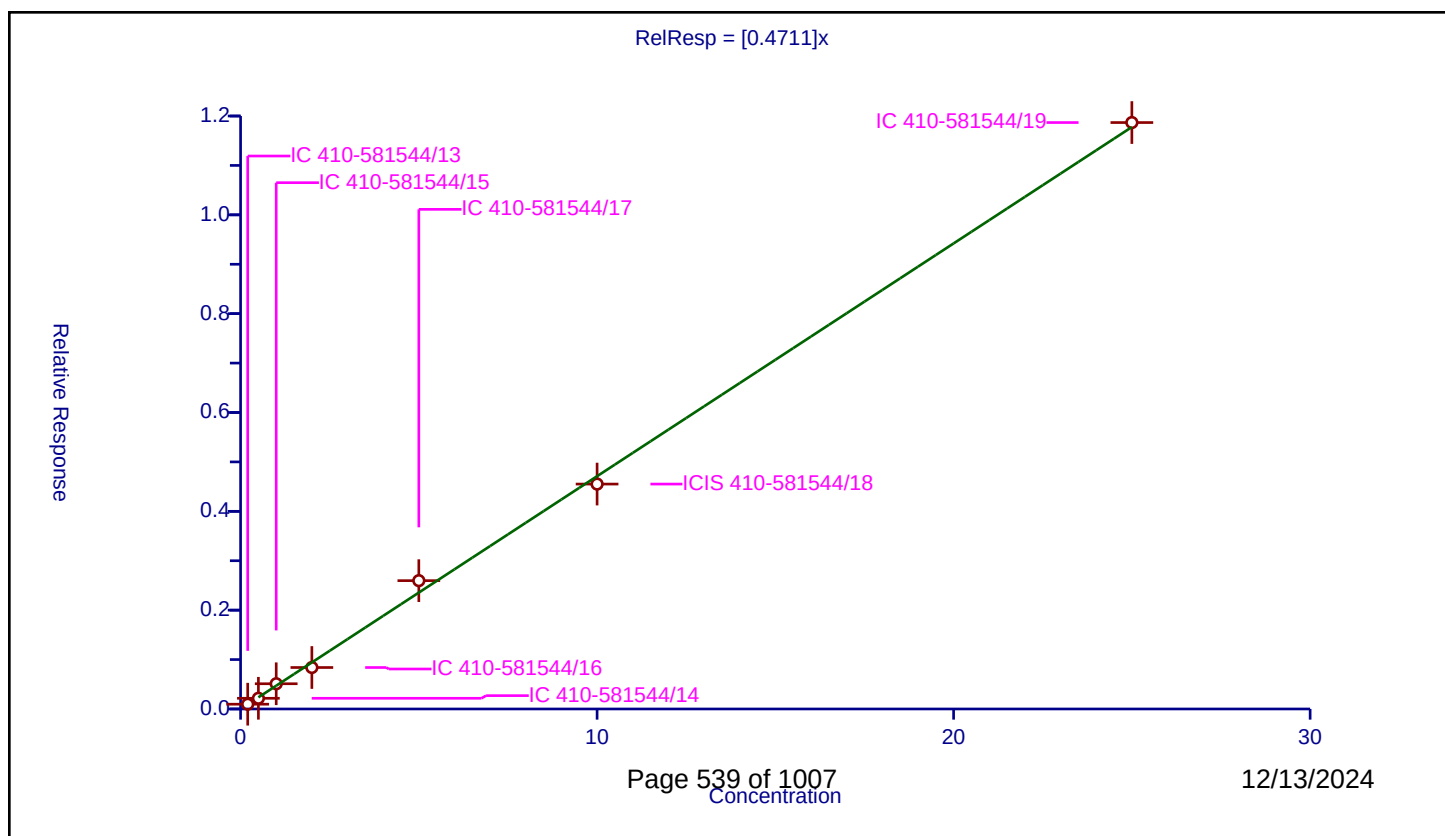
Curve Coefficients

Intercept: 0
Slope: 0.4711

Error Coefficients

Relative Standard Deviation: 8.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	0.2	0.096969	9.99966	2031304.0	0.484844	Y
2	IC 410-581544/14	0.5	0.21646	9.99966	2087335.0	0.43292	Y
3	IC 410-581544/15	1.0	0.510715	9.99966	1927527.0	0.510715	Y
4	IC 410-581544/16	2.0	0.839541	9.99966	2105483.0	0.419771	Y
5	IC 410-581544/17	5.0	2.597132	9.99966	1950593.0	0.519426	Y
6	ICIS 410-581544/18	10.0	4.551758	9.99966	2029850.0	0.455176	Y
7	IC 410-581544/19	25.0	11.868045	9.99966	2040629.0	0.474722	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

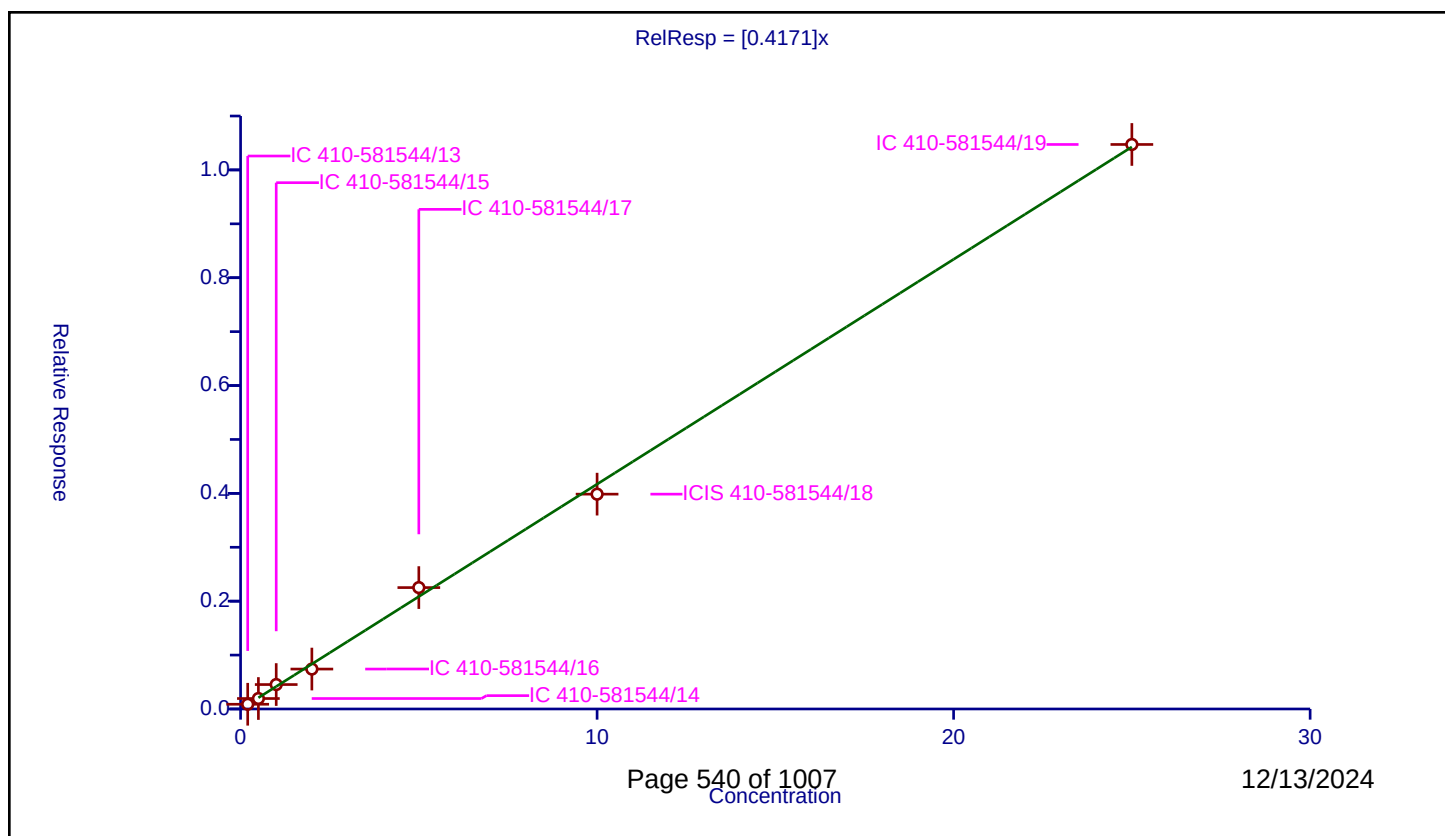
Curve Coefficients

Intercept: 0
Slope: 0.4171

Error Coefficients

Relative Standard Deviation: 7.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	0.2	0.087906	9.99966	2031304.0	0.43953	Y
2	IC 410-581544/14	0.5	0.194088	9.99966	2087335.0	0.388176	Y
3	IC 410-581544/15	1.0	0.453488	9.99966	1927527.0	0.453488	Y
4	IC 410-581544/16	2.0	0.740935	9.99966	2105483.0	0.370468	Y
5	IC 410-581544/17	5.0	2.252105	9.99966	1950593.0	0.450421	Y
6	ICIS 410-581544/18	10.0	3.985262	9.99966	2029850.0	0.398526	Y
7	IC 410-581544/19	25.0	10.472361	9.99966	2040629.0	0.418894	Y



Calibration

/ Dibromofluoromethane (Surr)

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

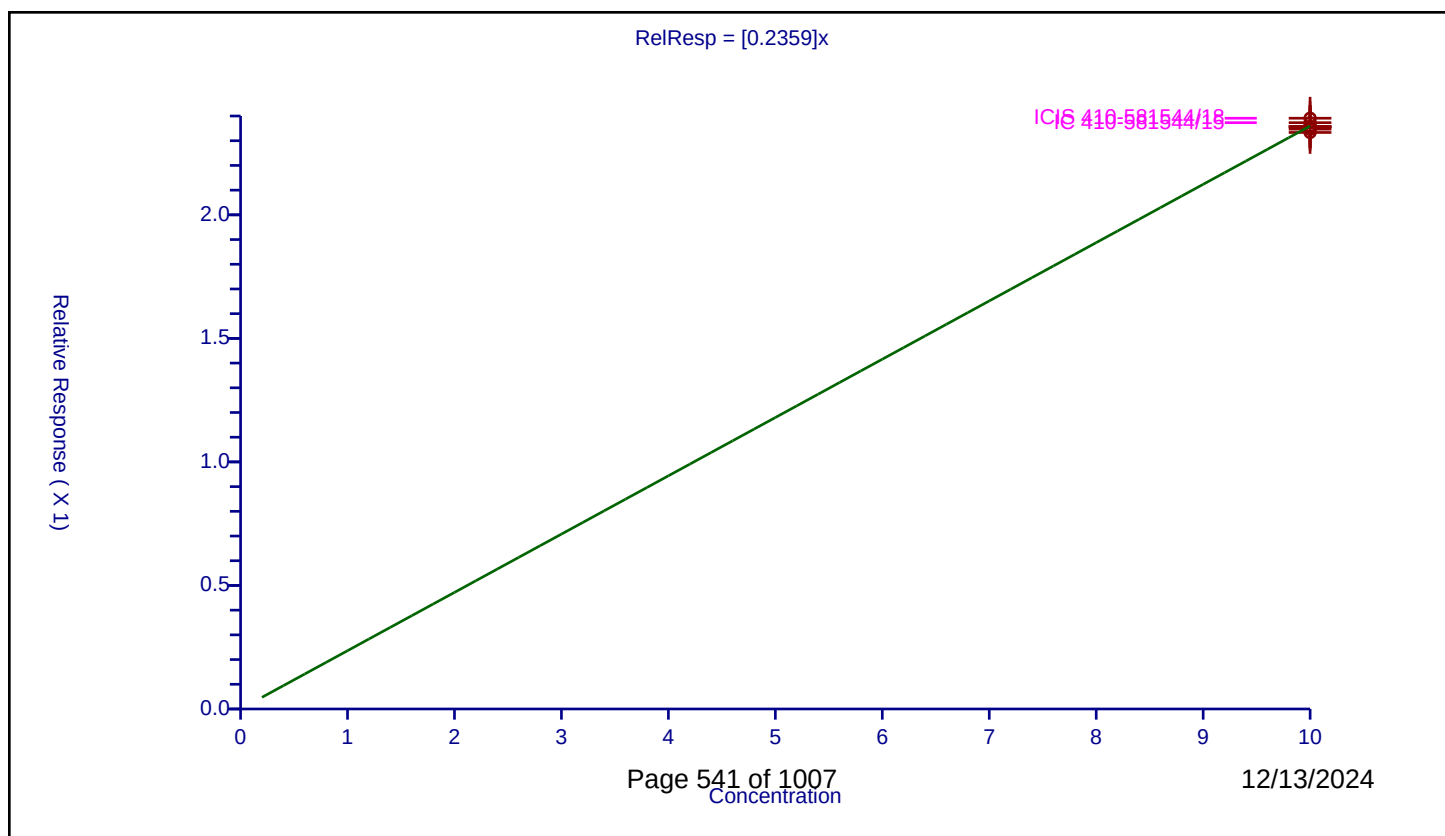
Curve Coefficients

Intercept: 0
Slope: 0.2359

Error Coefficients

Relative Standard Deviation: 0.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	9.99966	2.346817	9.99966	2031304.0	0.23469	Y
2	IC 410-581544/14	9.99966	2.333427	9.99966	2087335.0	0.233351	Y
3	IC 410-581544/15	9.99966	2.373027	9.99966	1927527.0	0.237311	Y
4	IC 410-581544/16	9.99966	2.357816	9.99966	2105483.0	0.23579	Y
5	IC 410-581544/17	9.99966	2.357172	9.99966	1950593.0	0.235725	Y
6	ICIS 410-581544/18	9.99966	2.391095	9.99966	2029850.0	0.239118	Y
7	IC 410-581544/19	9.99966	2.355596	9.99966	2040629.0	0.235568	Y



Calibration

/ Cyclohexane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

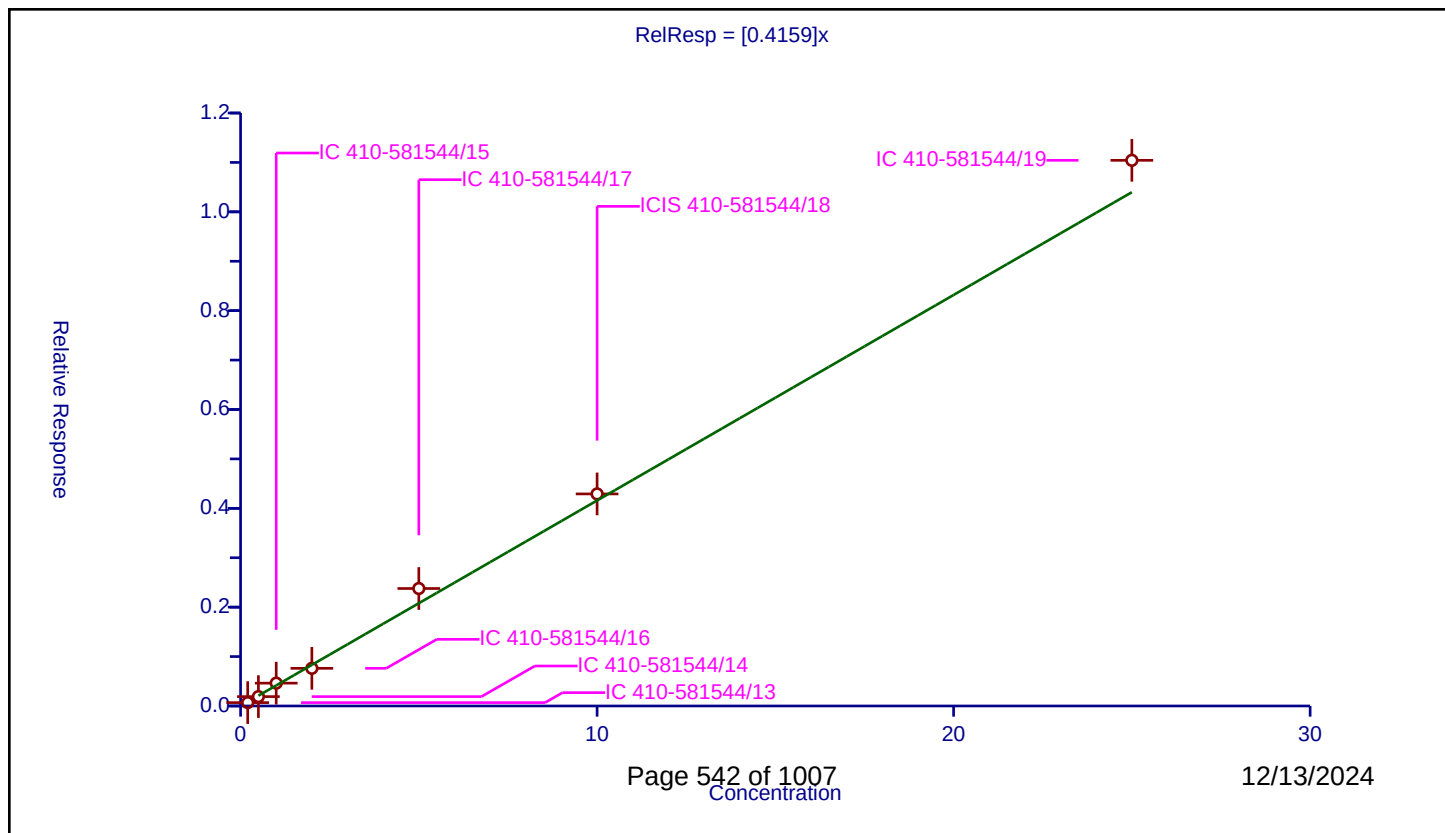
Curve Coefficients

Intercept: 0
Slope: 0.4159

Error Coefficients

Relative Standard Deviation: 11.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	0.2	0.068476	9.99966	2031304.0	0.342379	Y
2	IC 410-581544/14	0.5	0.189551	9.99966	2087335.0	0.379102	Y
3	IC 410-581544/15	1.0	0.462276	9.99966	1927527.0	0.462276	Y
4	IC 410-581544/16	2.0	0.762246	9.99966	2105483.0	0.381123	Y
5	IC 410-581544/17	5.0	2.377222	9.99966	1950593.0	0.475444	Y
6	ICIS 410-581544/18	10.0	4.291817	9.99966	2029850.0	0.429182	Y
7	IC 410-581544/19	25.0	11.042396	9.99966	2040629.0	0.441696	Y



Calibration

/ Carbon tetrachloride

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

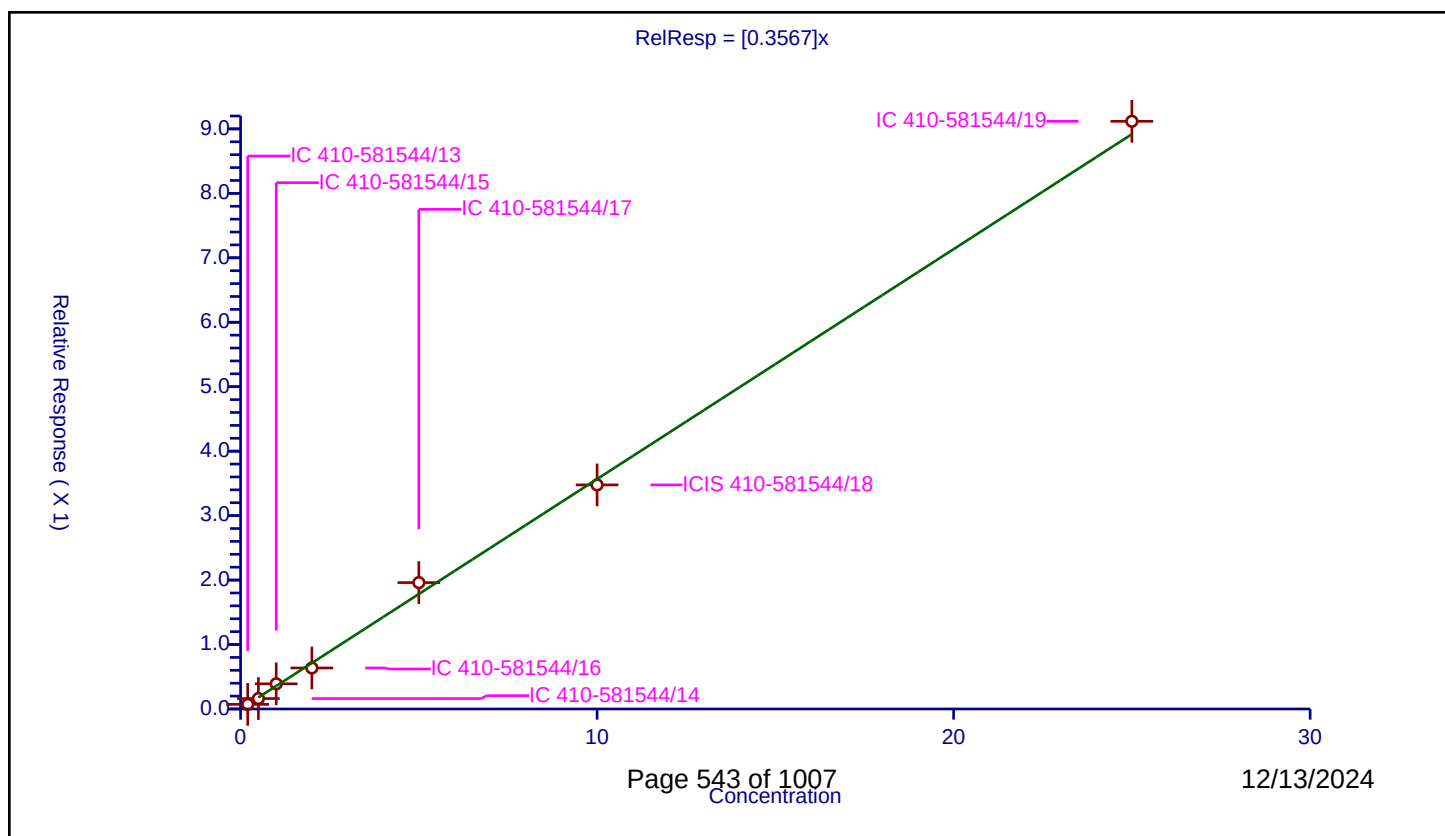
Curve Coefficients

Intercept: 0
Slope: 0.3567

Error Coefficients

Relative Standard Deviation: 8.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	0.2	0.071981	9.99966	2031304.0	0.359904	Y
2	IC 410-581544/14	0.5	0.161952	9.99966	2087335.0	0.323904	Y
3	IC 410-581544/15	1.0	0.390477	9.99966	1927527.0	0.390477	Y
4	IC 410-581544/16	2.0	0.63636	9.99966	2105483.0	0.31818	Y
5	IC 410-581544/17	5.0	1.960778	9.99966	1950593.0	0.392156	Y
6	ICIS 410-581544/18	10.0	3.476942	9.99966	2029850.0	0.347694	Y
7	IC 410-581544/19	25.0	9.117732	9.99966	2040629.0	0.364709	Y



Calibration

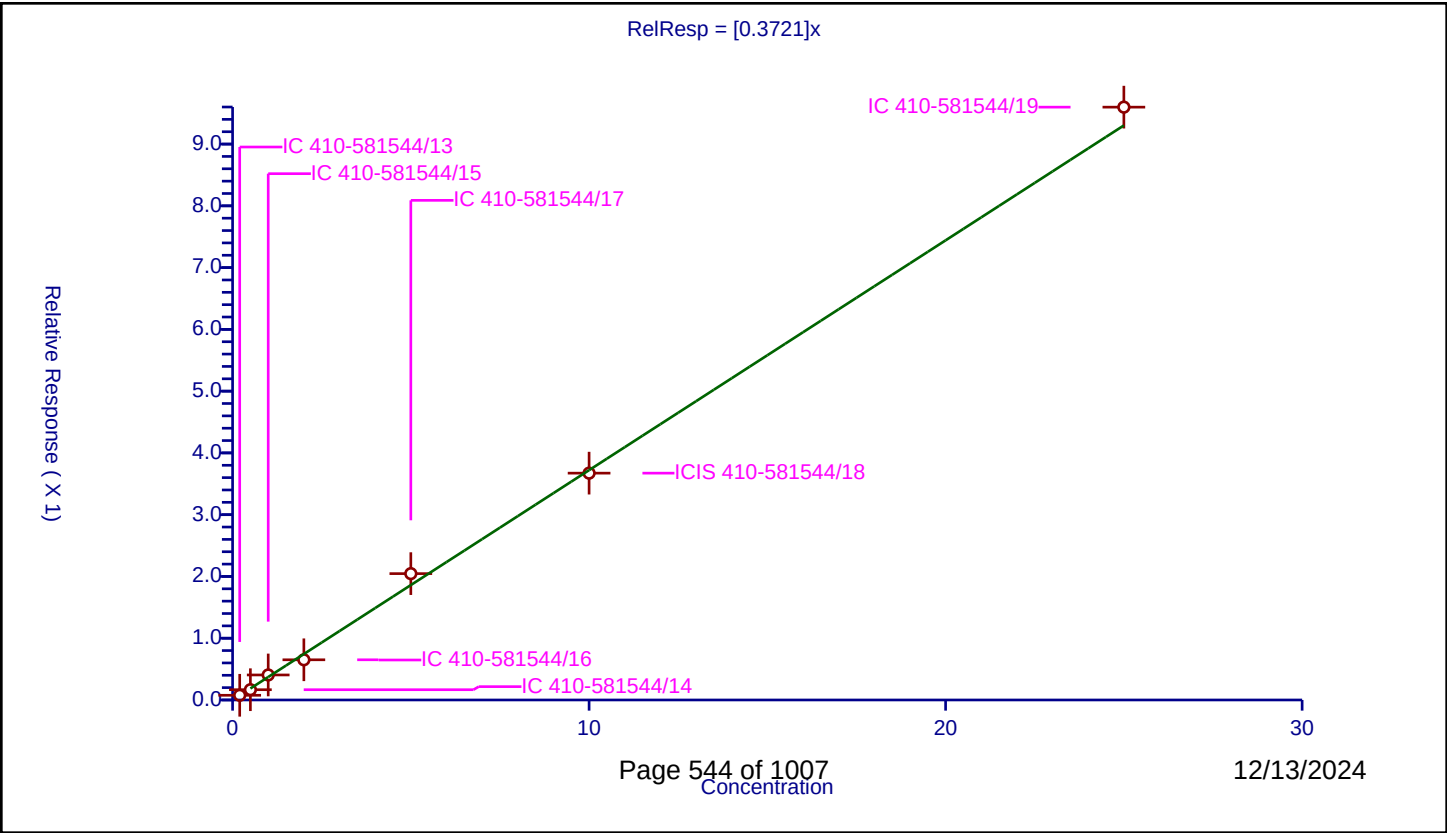
/ 1,1-Dichloropropene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.3721
Error Coefficients	

Relative Standard Deviation: 8.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	0.2	0.076072	9.99966	2031304.0	0.380358	Y
2	IC 410-581544/14	0.5	0.16657	9.99966	2087335.0	0.333141	Y
3	IC 410-581544/15	1.0	0.405288	9.99966	1927527.0	0.405288	Y
4	IC 410-581544/16	2.0	0.65085	9.99966	2105483.0	0.325425	Y
5	IC 410-581544/17	5.0	2.045672	9.99966	1950593.0	0.409134	Y
6	ICIS 410-581544/18	10.0	3.672629	9.99966	2029850.0	0.367263	Y
7	IC 410-581544/19	25.0	9.597817	9.99966	2040629.0	0.383913	Y



Calibration

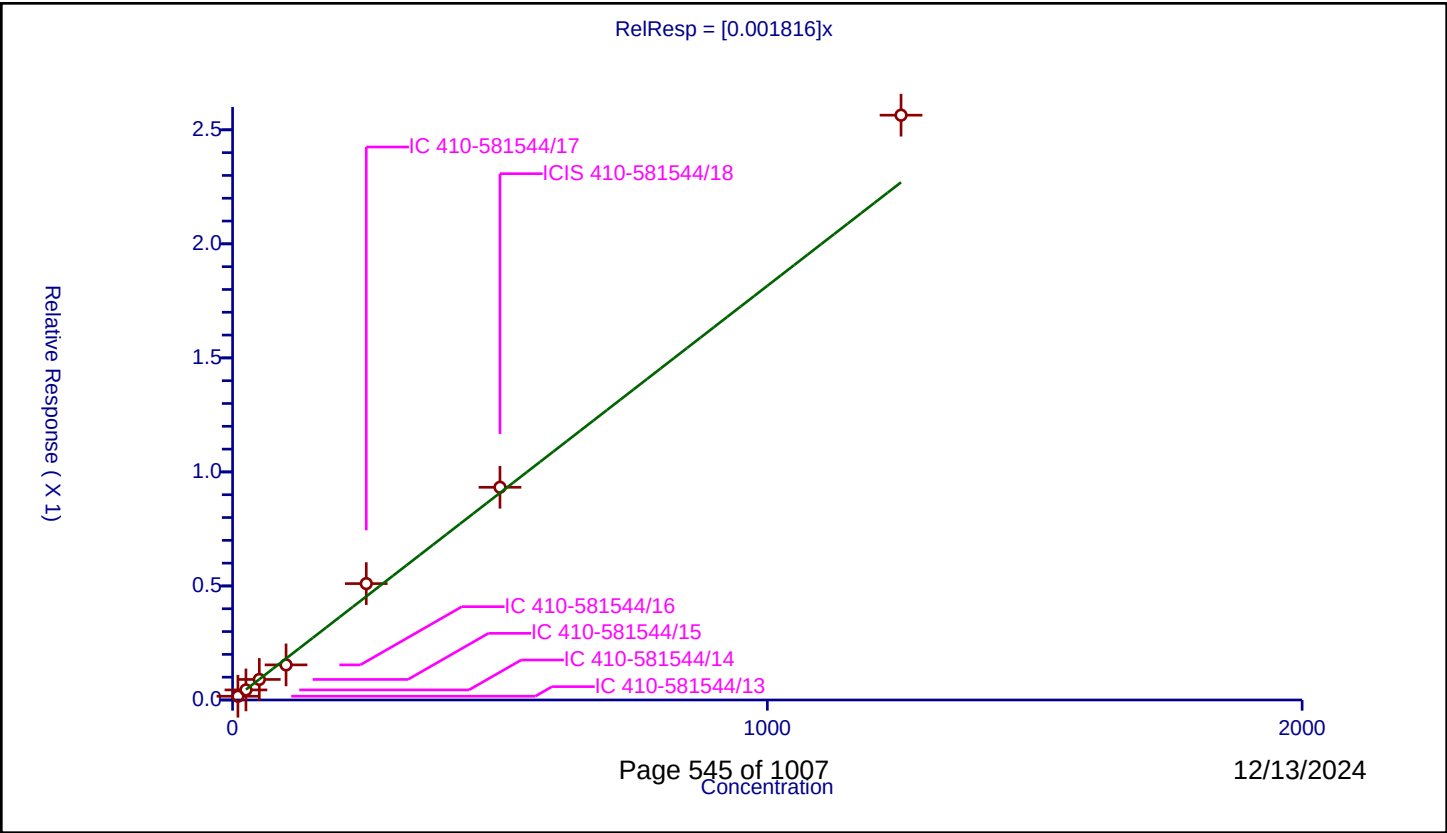
/ Isobutyl alcohol

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.001816
Error Coefficients	

Relative Standard Deviation: 10.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	10.0	0.016477	9.99966	2031304.0	0.001648	Y
2	IC 410-581544/14	25.0	0.044136	9.99966	2087335.0	0.001765	Y
3	IC 410-581544/15	50.0	0.090097	9.99966	1927527.0	0.001802	Y
4	IC 410-581544/16	100.0	0.153883	9.99966	2105483.0	0.001539	Y
5	IC 410-581544/17	250.0	0.510289	9.99966	1950593.0	0.002041	Y
6	ICIS 410-581544/18	500.0	0.932687	9.99966	2029850.0	0.001865	Y
7	IC 410-581544/19	1250.0	2.564269	9.99966	2040629.0	0.002051	Y



Calibration

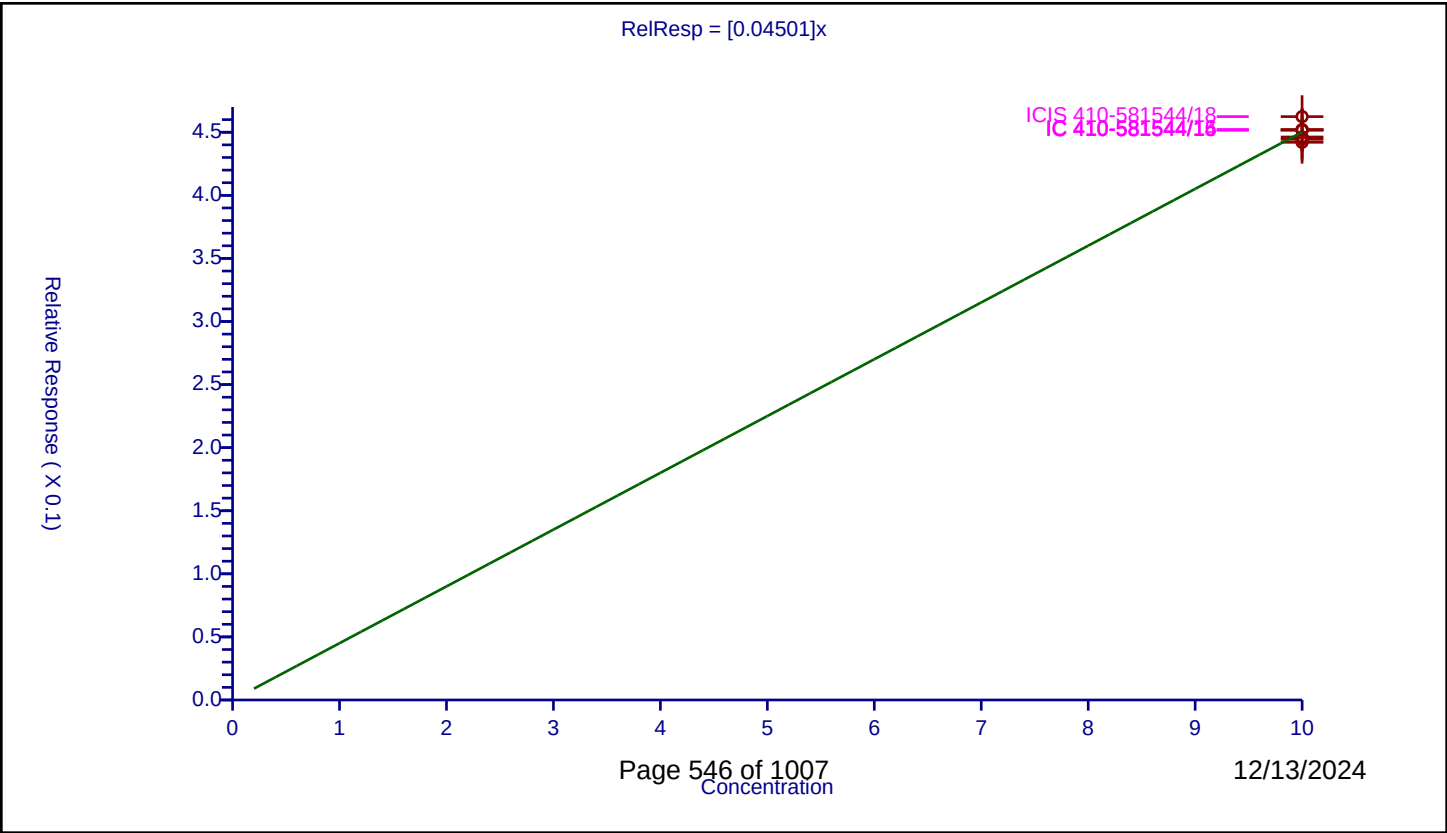
/ 1,2-Dichloroethane-d4 (Surr)

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.04501

Error Coefficients	
Relative Standard Deviation:	1.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	9.99966	0.444404	9.99966	2031304.0	0.044442	Y
2	IC 410-581544/14	9.99966	0.451752	9.99966	2087335.0	0.045177	Y
3	IC 410-581544/15	9.99966	0.451734	9.99966	1927527.0	0.045175	Y
4	IC 410-581544/16	9.99966	0.452114	9.99966	2105483.0	0.045213	Y
5	IC 410-581544/17	9.99966	0.446249	9.99966	1950593.0	0.044626	Y
6	ICIS 410-581544/18	9.99966	0.462388	9.99966	2029850.0	0.04624	Y
7	IC 410-581544/19	9.99966	0.44203	9.99966	2040629.0	0.044205	Y

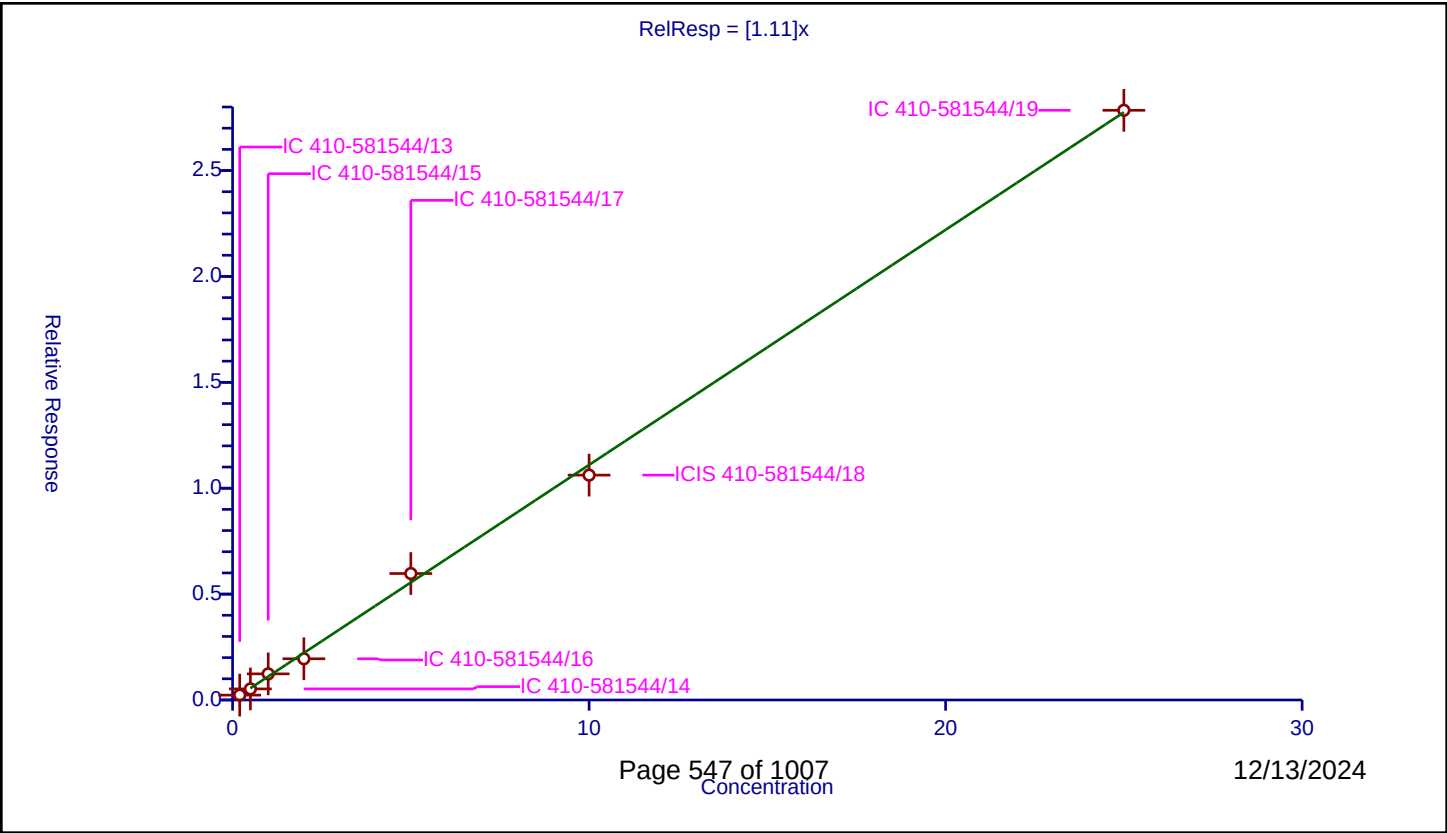


Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.11

Error Coefficients	
Relative Standard Deviation:	8.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	0.2	0.22947	9.99966	2031304.0	1.147352	Y
2	IC 410-581544/14	0.5	0.523156	9.99966	2087335.0	1.046313	Y
3	IC 410-581544/15	1.0	1.233974	9.99966	1927527.0	1.233974	Y
4	IC 410-581544/16	2.0	1.946091	9.99966	2105483.0	0.973045	Y
5	IC 410-581544/17	5.0	5.971396	9.99966	1950593.0	1.194279	Y
6	ICIS 410-581544/18	10.0	10.617763	9.99966	2029850.0	1.061776	Y
7	IC 410-581544/19	25.0	27.844825	9.99966	2040629.0	1.113793	Y



Calibration

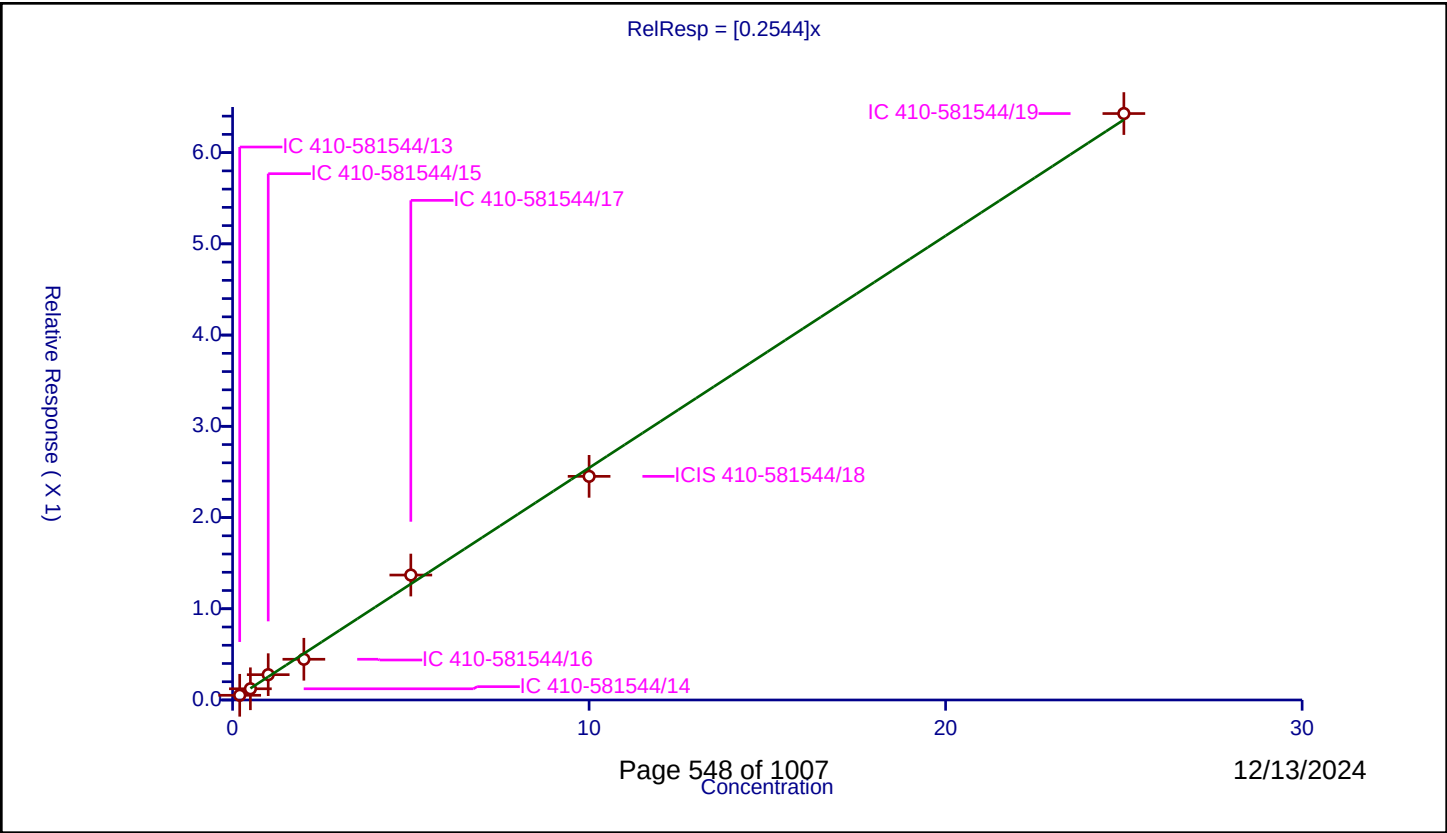
/ 1,2-Dichloroethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.2544
Error Coefficients	

Relative Standard Deviation: 7.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	0.2	0.051615	9.99966	2031304.0	0.258077	Y
2	IC 410-581544/14	0.5	0.122865	9.99966	2087335.0	0.245731	Y
3	IC 410-581544/15	1.0	0.277626	9.99966	1927527.0	0.277626	Y
4	IC 410-581544/16	2.0	0.446638	9.99966	2105483.0	0.223319	Y
5	IC 410-581544/17	5.0	1.36965	9.99966	1950593.0	0.27393	Y
6	ICIS 410-581544/18	10.0	2.451566	9.99966	2029850.0	0.245157	Y
7	IC 410-581544/19	25.0	6.428407	9.99966	2040629.0	0.257136	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

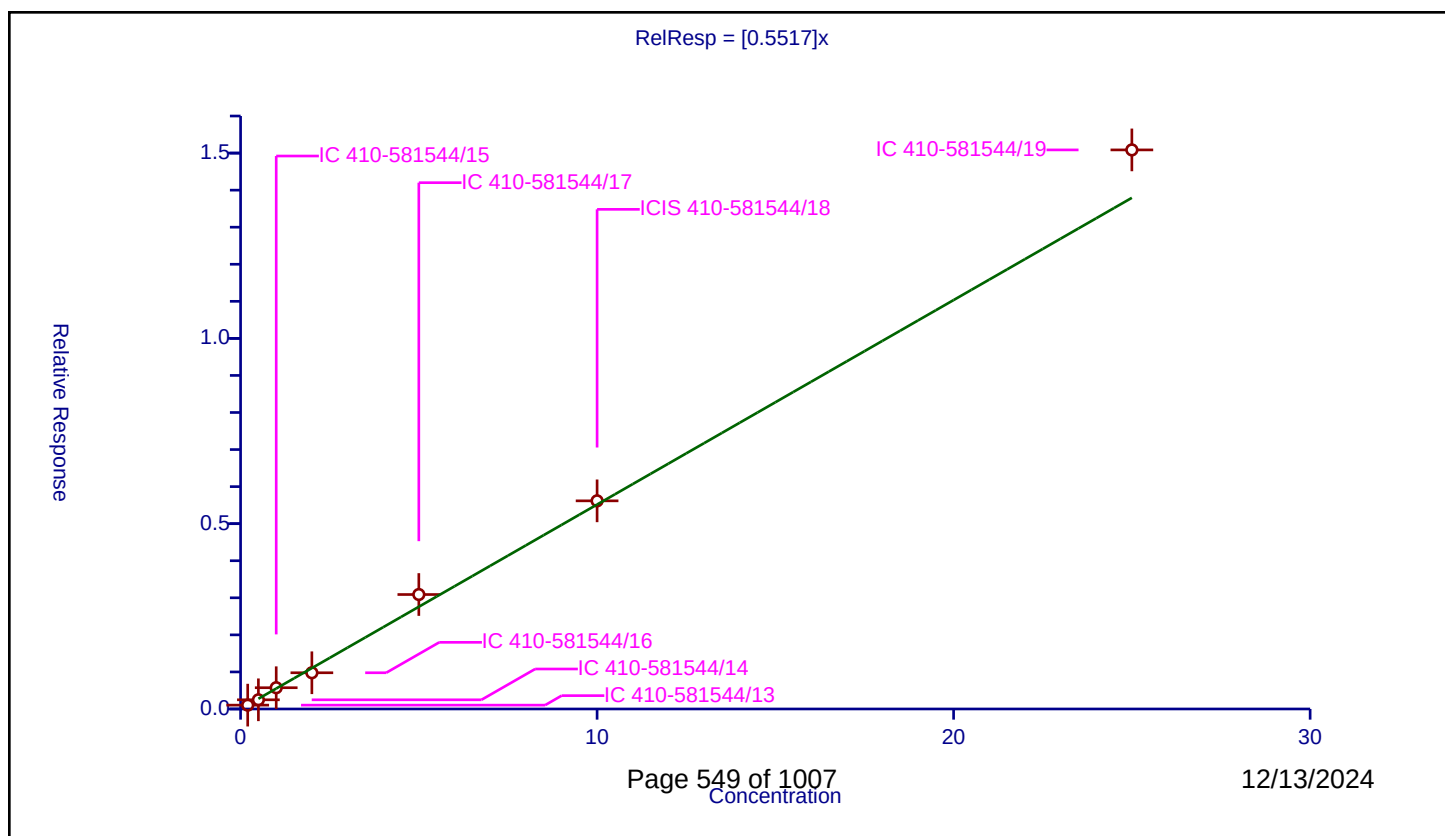
Curve Coefficients

Intercept: 0
 Slope: 0.5517

Error Coefficients

Relative Standard Deviation: 9.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	0.2	0.104181	9.99966	2031304.0	0.520904	Y
2	IC 410-581544/14	0.5	0.247685	9.99966	2087335.0	0.495371	Y
3	IC 410-581544/15	1.0	0.573908	9.99966	1927527.0	0.573908	Y
4	IC 410-581544/16	2.0	0.977823	9.99966	2105483.0	0.488912	Y
5	IC 410-581544/17	5.0	3.088766	9.99966	1950593.0	0.617753	Y
6	ICIS 410-581544/18	10.0	5.616209	9.99966	2029850.0	0.561621	Y
7	IC 410-581544/19	25.0	15.085537	9.99966	2040629.0	0.603421	Y



Calibration

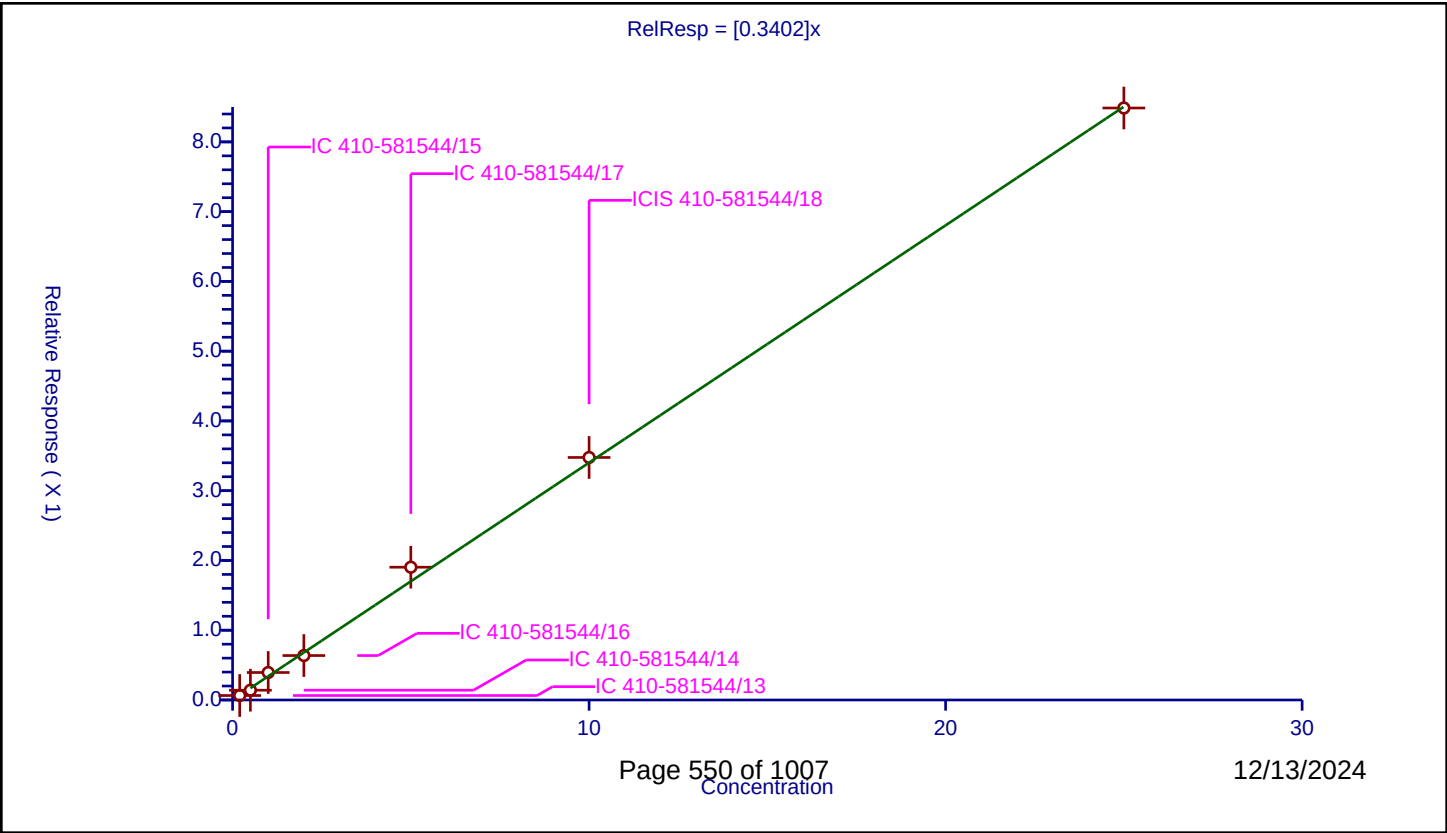
/ n-Heptane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.3402
Error Coefficients	

Relative Standard Deviation: 11.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	0.2	0.064183	9.99966	2031304.0	0.320916	Y
2	IC 410-581544/14	0.5	0.140116	9.99966	2087335.0	0.280233	Y
3	IC 410-581544/15	1.0	0.393818	9.99966	1927527.0	0.393818	Y
4	IC 410-581544/16	2.0	0.637015	9.99966	2105483.0	0.318508	Y
5	IC 410-581544/17	5.0	1.903469	9.99966	1950593.0	0.380694	Y
6	ICIS 410-581544/18	10.0	3.476296	9.99966	2029850.0	0.34763	Y
7	IC 410-581544/19	25.0	8.485928	9.99966	2040629.0	0.339437	Y



Calibration

/ n-Butanol

Curve Type: Quadratic
 Weighting: None
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

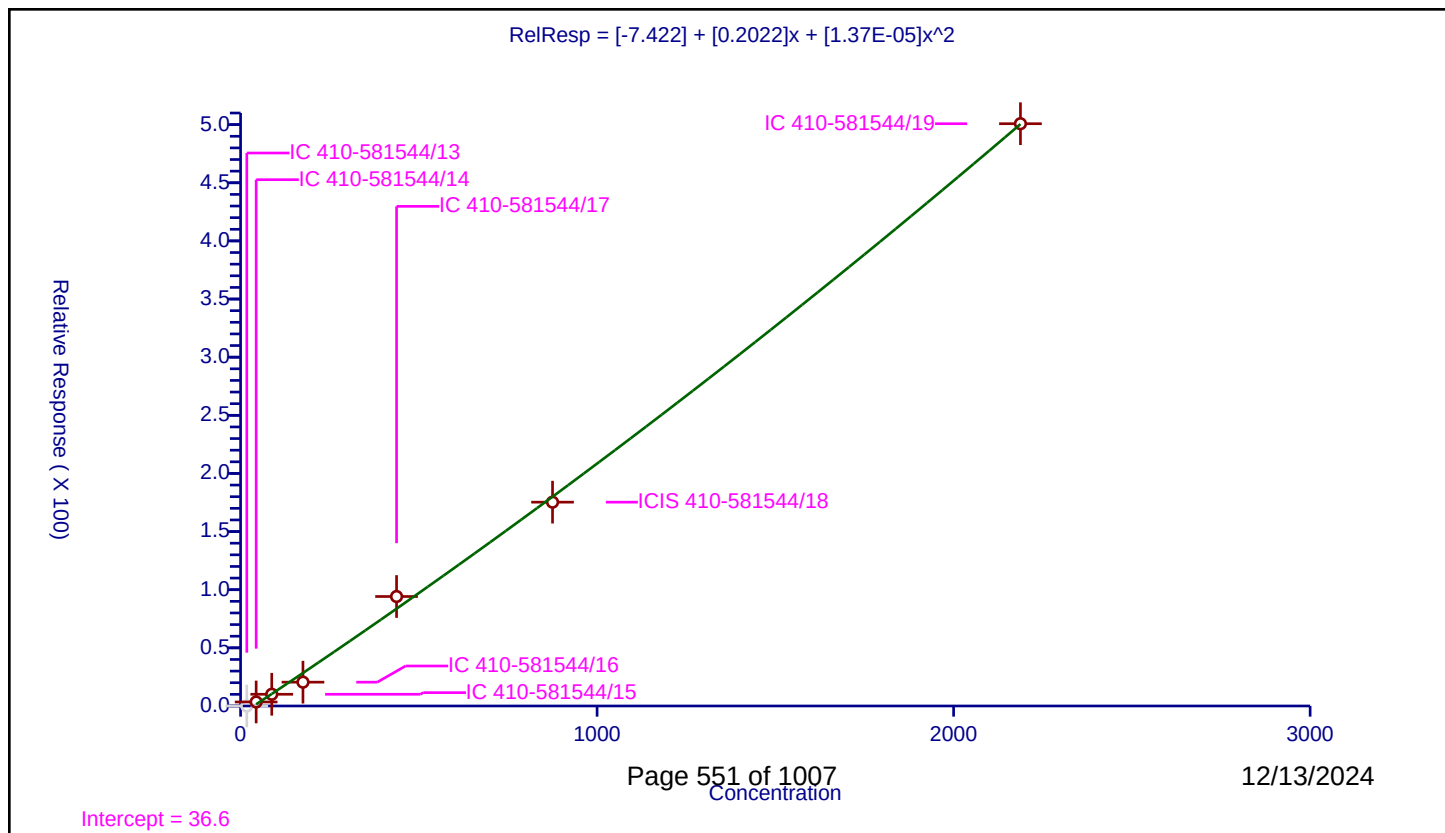
Curve Coefficients

Intercept: -7.422
 Slope: 0.2022
 Second Order: 1.37E-05

Error Coefficients

Relative Standard Deviation: 19.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	17.5	0.0	49.9983	75156.0	0.0	N
2	IC 410-581544/14	43.75	3.451707	49.9983	78234.0	0.078896	Y
3	IC 410-581544/15	87.5	10.083726	49.9983	70537.0	0.115243	Y
4	IC 410-581544/16	175.0	20.489324	49.9983	82323.0	0.117082	Y
5	IC 410-581544/17	437.5	94.157122	49.9983	72915.0	0.215216	Y
6	ICIS 410-581544/18	875.0	175.296457	49.9983	80518.0	0.200339	Y
7	IC 410-581544/19	2187.5	500.810691	49.9983	85355.0	0.228942	Y



Calibration

/ Trichloroethene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

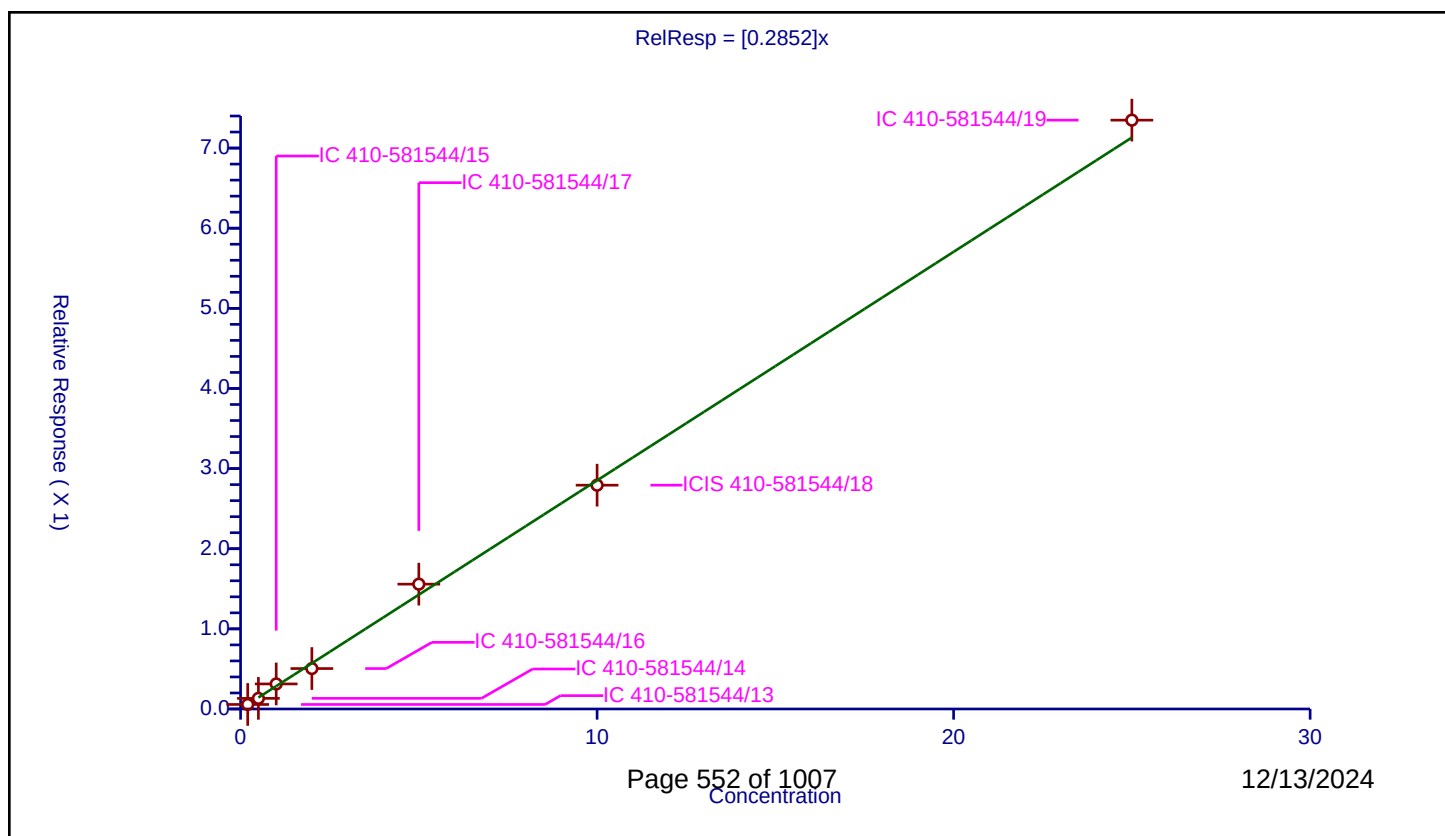
Curve Coefficients

Intercept: 0
Slope: 0.2852

Error Coefficients

Relative Standard Deviation: 7.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	0.2	0.056366	9.99966	2031304.0	0.281829	Y
2	IC 410-581544/14	0.5	0.13261	9.99966	2087335.0	0.265219	Y
3	IC 410-581544/15	1.0	0.312545	9.99966	1927527.0	0.312545	Y
4	IC 410-581544/16	2.0	0.504703	9.99966	2105483.0	0.252352	Y
5	IC 410-581544/17	5.0	1.557914	9.99966	1950593.0	0.311583	Y
6	ICIS 410-581544/18	10.0	2.79285	9.99966	2029850.0	0.279285	Y
7	IC 410-581544/19	25.0	7.348421	9.99966	2040629.0	0.293937	Y



Calibration

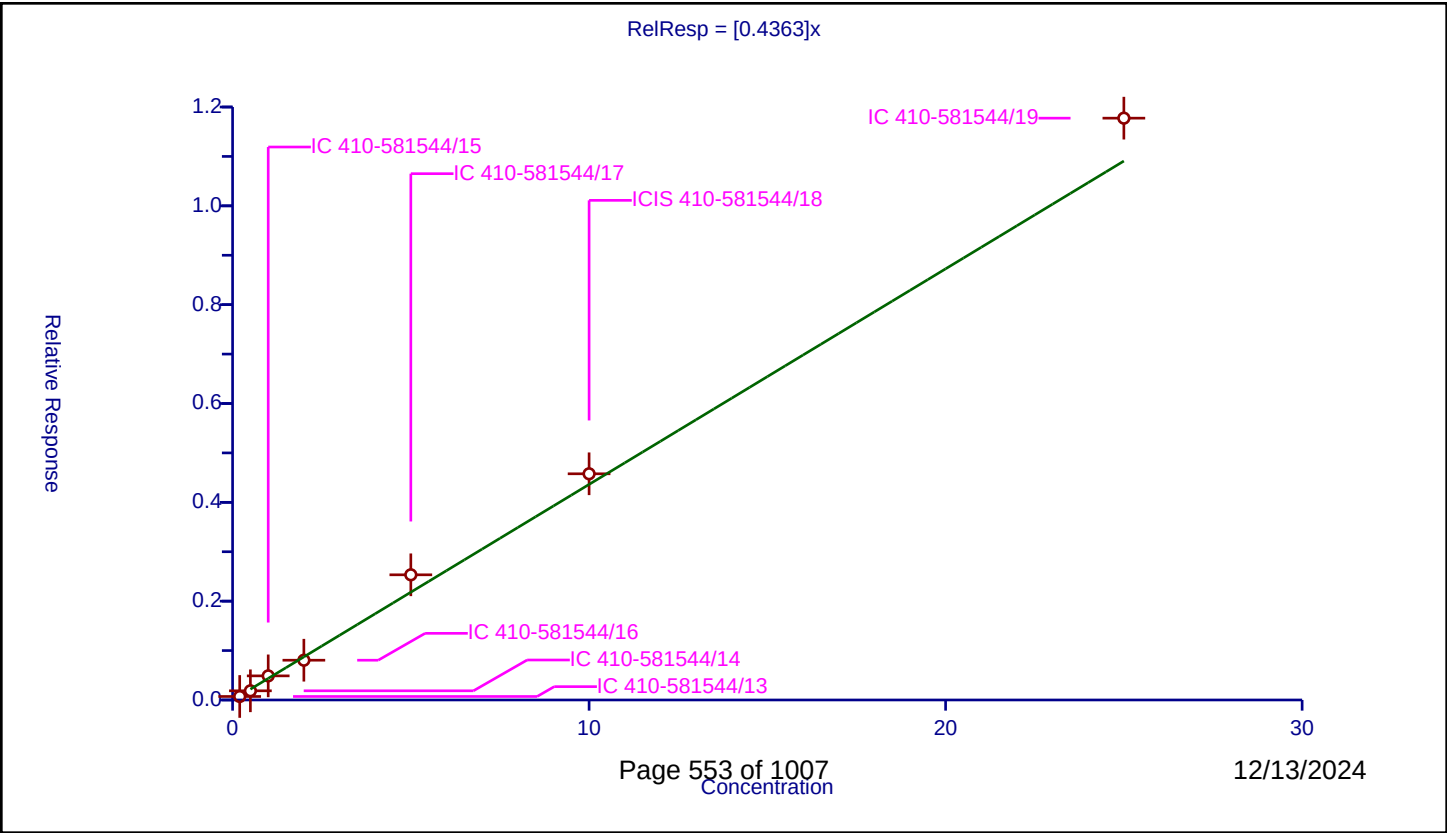
/ Methylcyclohexane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.4363
Error Coefficients	

Relative Standard Deviation: 13.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	0.2	0.071139	9.99966	2031304.0	0.355695	Y
2	IC 410-581544/14	0.5	0.186087	9.99966	2087335.0	0.372175	Y
3	IC 410-581544/15	1.0	0.488111	9.99966	1927527.0	0.488111	Y
4	IC 410-581544/16	2.0	0.804805	9.99966	2105483.0	0.402402	Y
5	IC 410-581544/17	5.0	2.533482	9.99966	1950593.0	0.506696	Y
6	ICIS 410-581544/18	10.0	4.577621	9.99966	2029850.0	0.457762	Y
7	IC 410-581544/19	25.0	11.774278	9.99966	2040629.0	0.470971	Y



Calibration

/ 1,2-Dichloropropane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

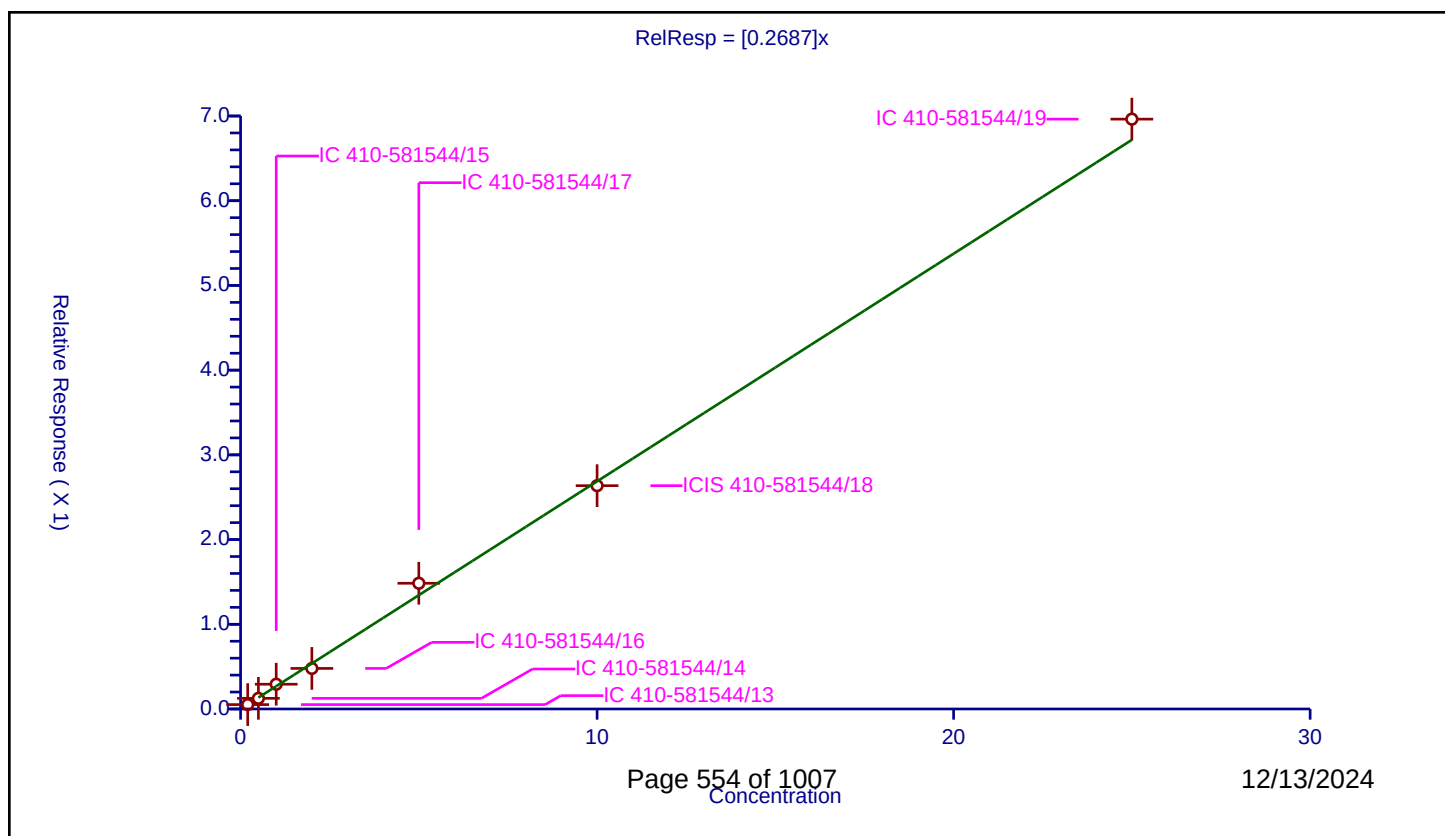
Curve Coefficients

Intercept: 0
Slope: 0.2687

Error Coefficients

Relative Standard Deviation: 7.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	0.2	0.051802	9.99966	2031304.0	0.259012	Y
2	IC 410-581544/14	0.5	0.125711	9.99966	2087335.0	0.251422	Y
3	IC 410-581544/15	1.0	0.292323	9.99966	1927527.0	0.292323	Y
4	IC 410-581544/16	2.0	0.478819	9.99966	2105483.0	0.23941	Y
5	IC 410-581544/17	5.0	1.484221	9.99966	1950593.0	0.296844	Y
6	ICIS 410-581544/18	10.0	2.636401	9.99966	2029850.0	0.26364	Y
7	IC 410-581544/19	25.0	6.96318	9.99966	2040629.0	0.278527	Y



Calibration

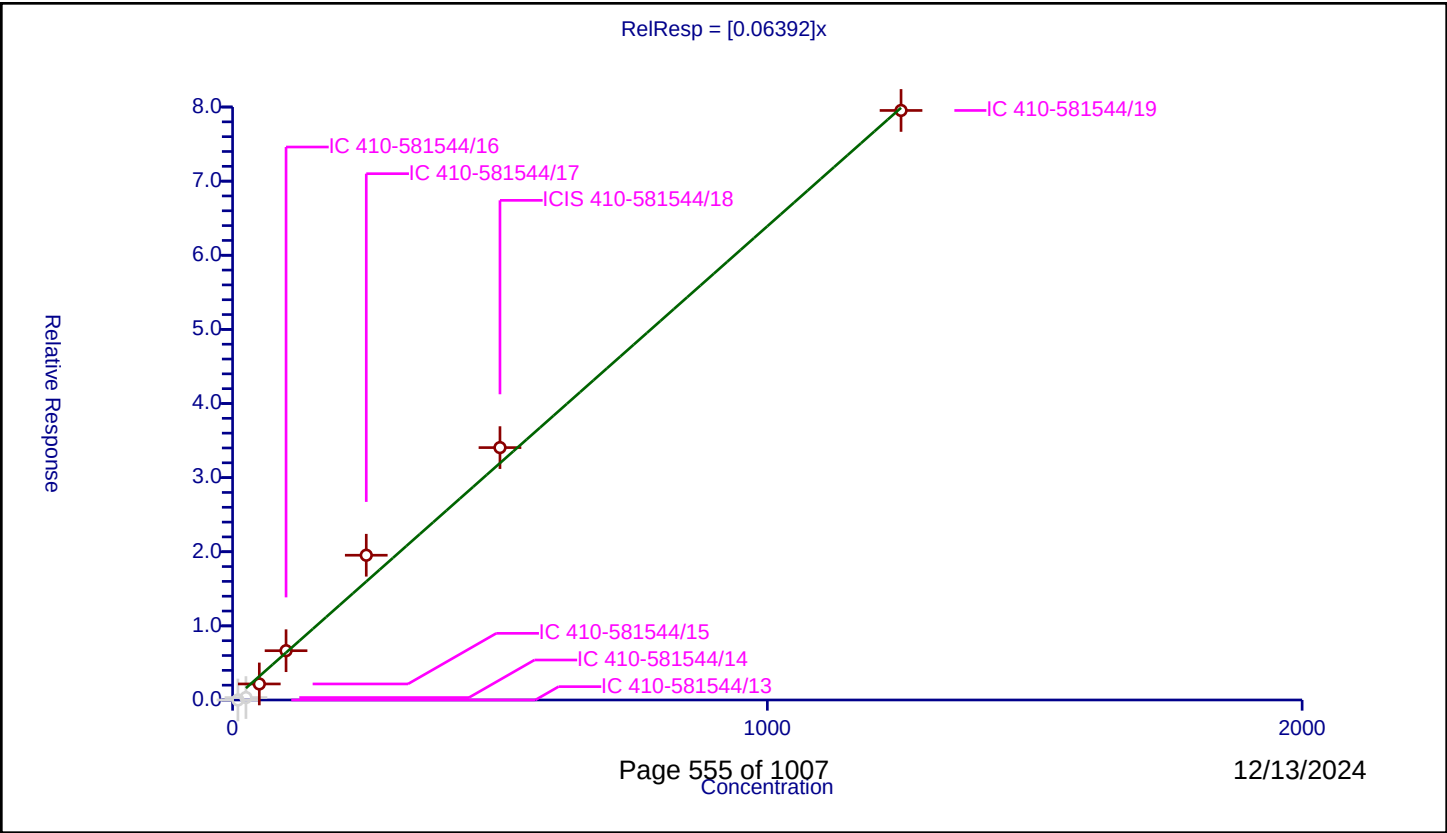
/ 1,4-Dioxane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.06392
Error Coefficients	

Relative Standard Deviation: 20.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	10.0	0.0	49.9983	75156.0	0.0	N
2	IC 410-581544/14	25.0	0.330408	49.9983	78234.0	0.013216	N
3	IC 410-581544/15	50.0	2.162621	49.9983	70537.0	0.043252	Y
4	IC 410-581544/16	100.0	6.649191	49.9983	82323.0	0.066492	Y
5	IC 410-581544/17	250.0	19.529611	49.9983	72915.0	0.078118	Y
6	ICIS 410-581544/18	500.0	34.048993	49.9983	80518.0	0.068098	Y
7	IC 410-581544/19	1250.0	79.535694	49.9983	85355.0	0.063629	Y



Calibration

/ Dibromomethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

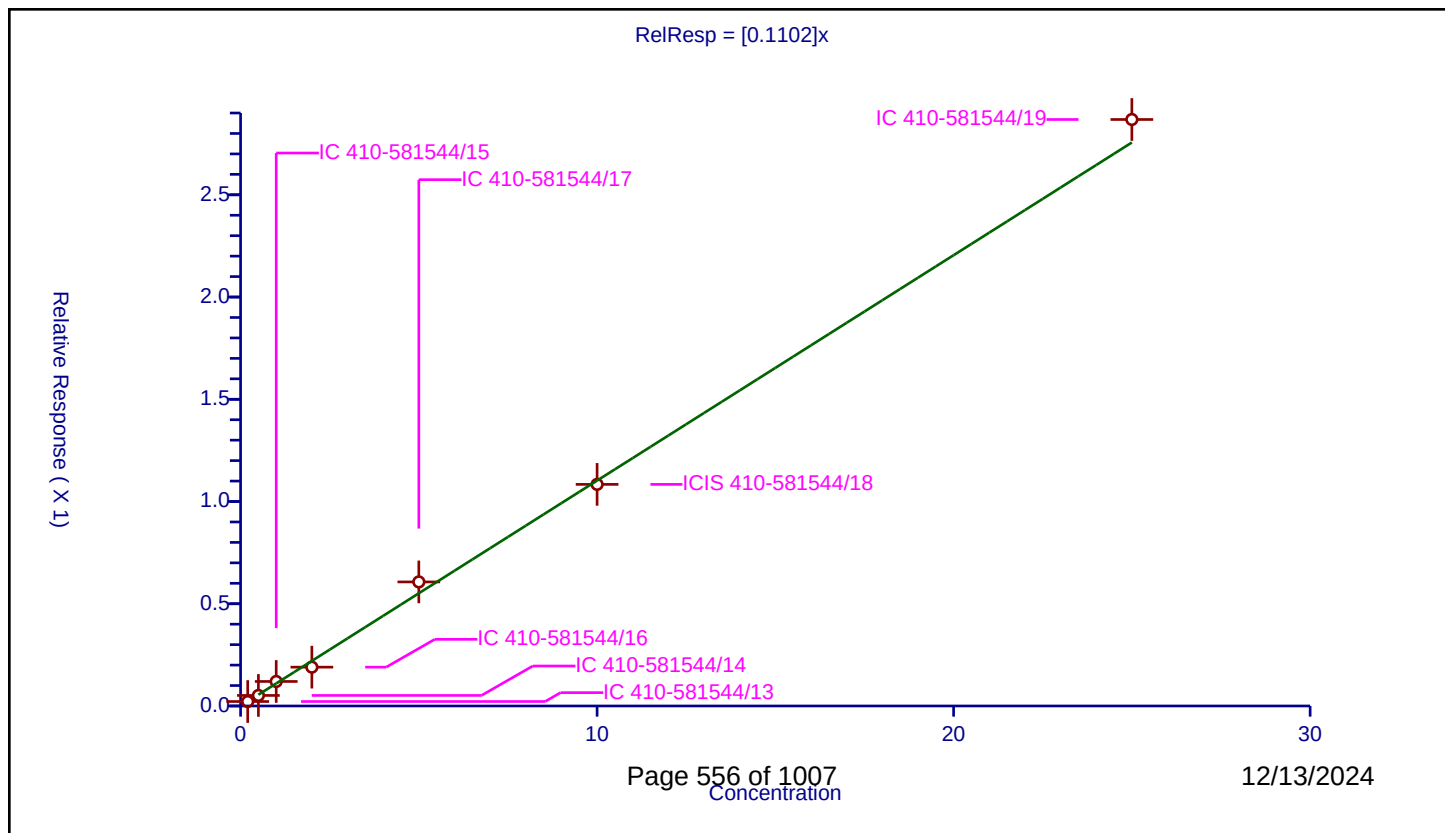
Curve Coefficients

Intercept: 0
Slope: 0.1102

Error Coefficients

Relative Standard Deviation: 8.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	0.2	0.021837	9.99966	2031304.0	0.109187	Y
2	IC 410-581544/14	0.5	0.051581	9.99966	2087335.0	0.103162	Y
3	IC 410-581544/15	1.0	0.119854	9.99966	1927527.0	0.119854	Y
4	IC 410-581544/16	2.0	0.189902	9.99966	2105483.0	0.094951	Y
5	IC 410-581544/17	5.0	0.60682	9.99966	1950593.0	0.121364	Y
6	ICIS 410-581544/18	10.0	1.083812	9.99966	2029850.0	0.108381	Y
7	IC 410-581544/19	25.0	2.868356	9.99966	2040629.0	0.114734	Y



Calibration

/ Methyl methacrylate

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

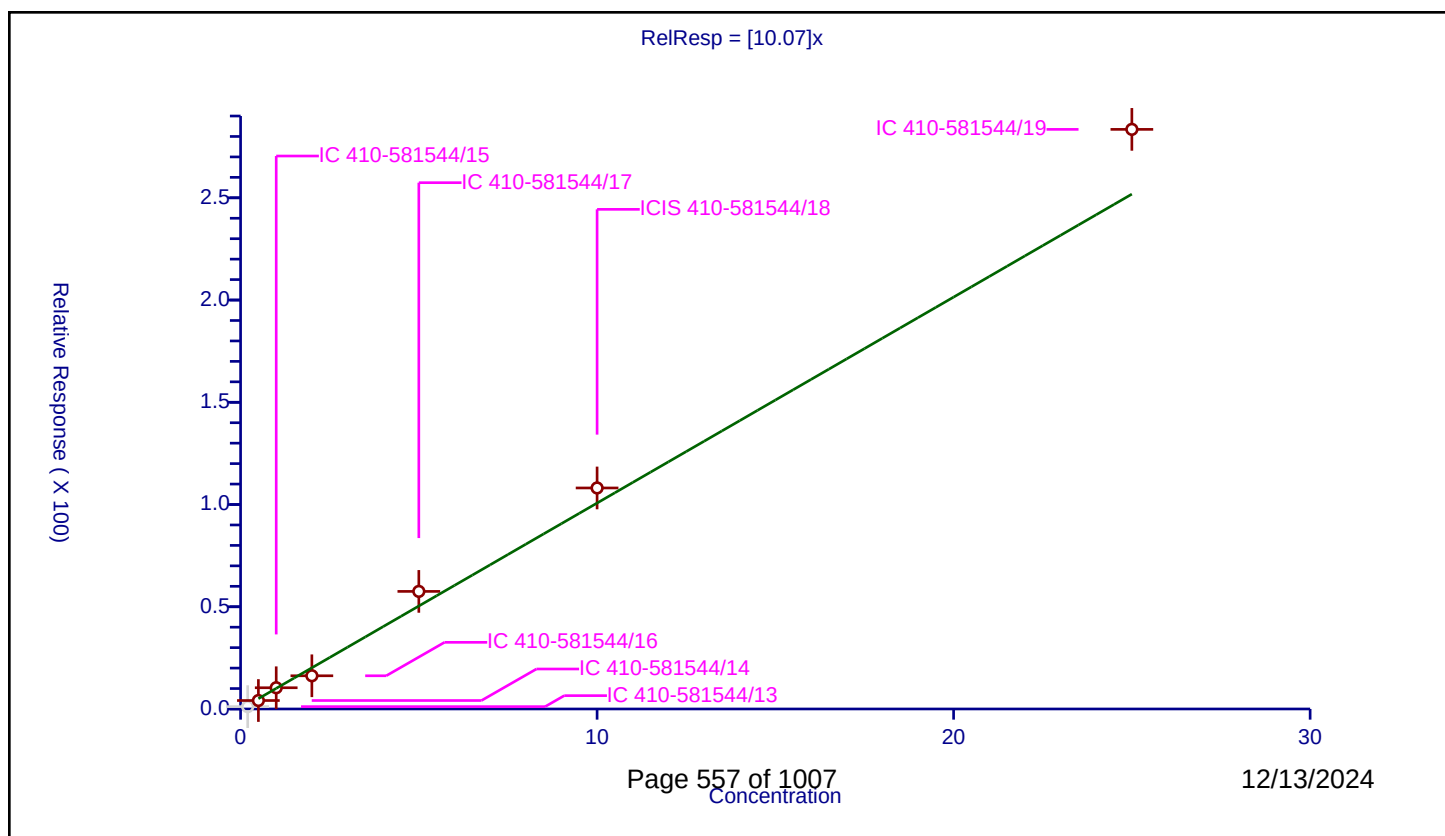
Curve Coefficients

Intercept: 0
Slope: 10.07

Error Coefficients

Relative Standard Deviation: 15.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	0.2	1.1509	49.9983	75156.0	5.754501	N
2	IC 410-581544/14	0.5	4.134251	49.9983	78234.0	8.268502	Y
3	IC 410-581544/15	1.0	10.387812	49.9983	70537.0	10.387812	Y
4	IC 410-581544/16	2.0	16.247641	49.9983	82323.0	8.12382	Y
5	IC 410-581544/17	5.0	57.510902	49.9983	72915.0	11.50218	Y
6	ICIS 410-581544/18	10.0	108.097619	49.9983	80518.0	10.809762	Y
7	IC 410-581544/19	25.0	283.467018	49.9983	85355.0	11.338681	Y



Calibration

/ Dichlorobromomethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

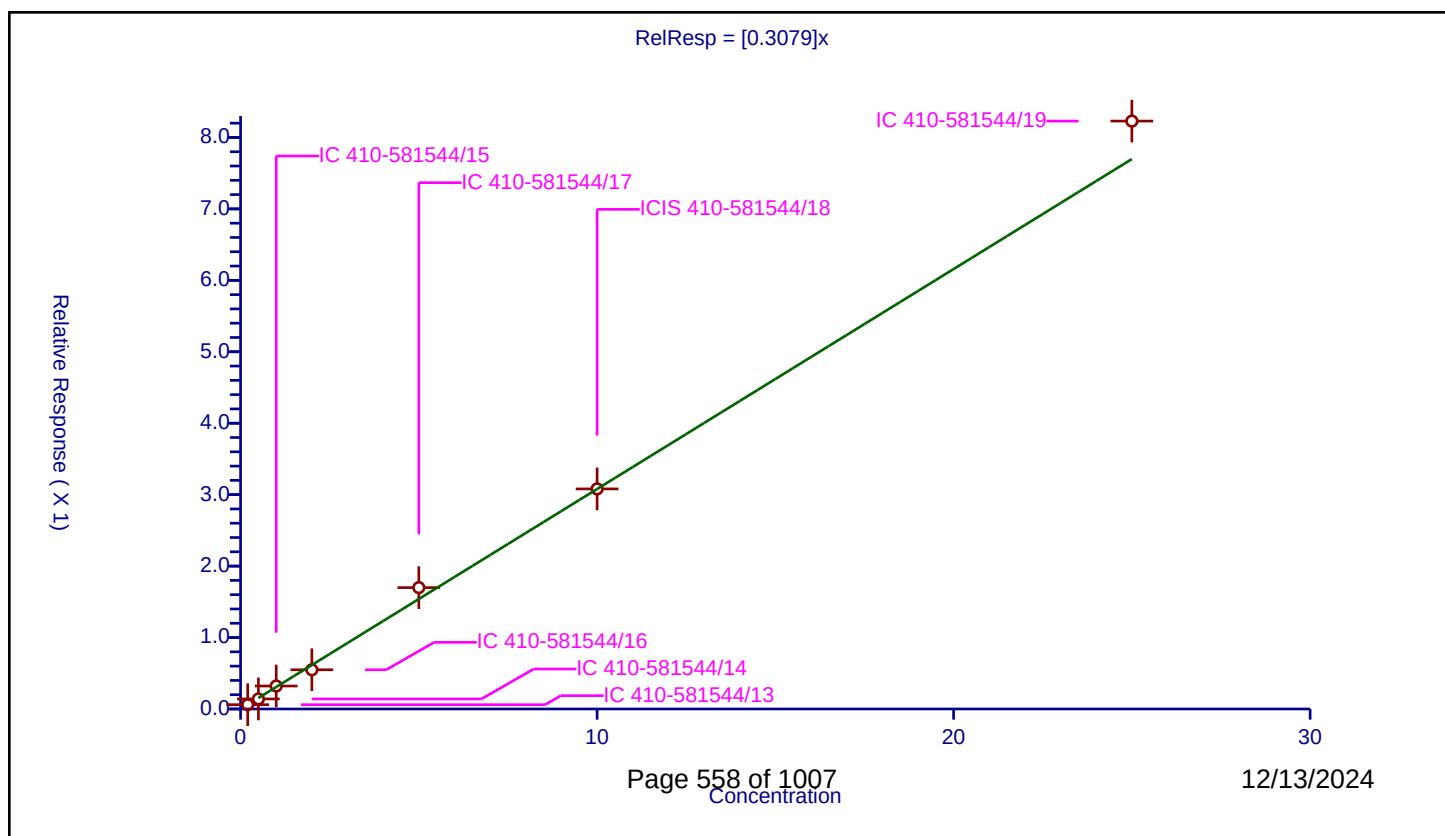
Curve Coefficients

Intercept: 0
Slope: 0.3079

Error Coefficients

Relative Standard Deviation: 7.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	0.2	0.060314	9.99966	2031304.0	0.301569	Y
2	IC 410-581544/14	0.5	0.140481	9.99966	2087335.0	0.280961	Y
3	IC 410-581544/15	1.0	0.321437	9.99966	1927527.0	0.321437	Y
4	IC 410-581544/16	2.0	0.548734	9.99966	2105483.0	0.274367	Y
5	IC 410-581544/17	5.0	1.698764	9.99966	1950593.0	0.339753	Y
6	ICIS 410-581544/18	10.0	3.080143	9.99966	2029850.0	0.308014	Y
7	IC 410-581544/19	25.0	8.228918	9.99966	2040629.0	0.329157	Y



Calibration

/ 2-Nitropropane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

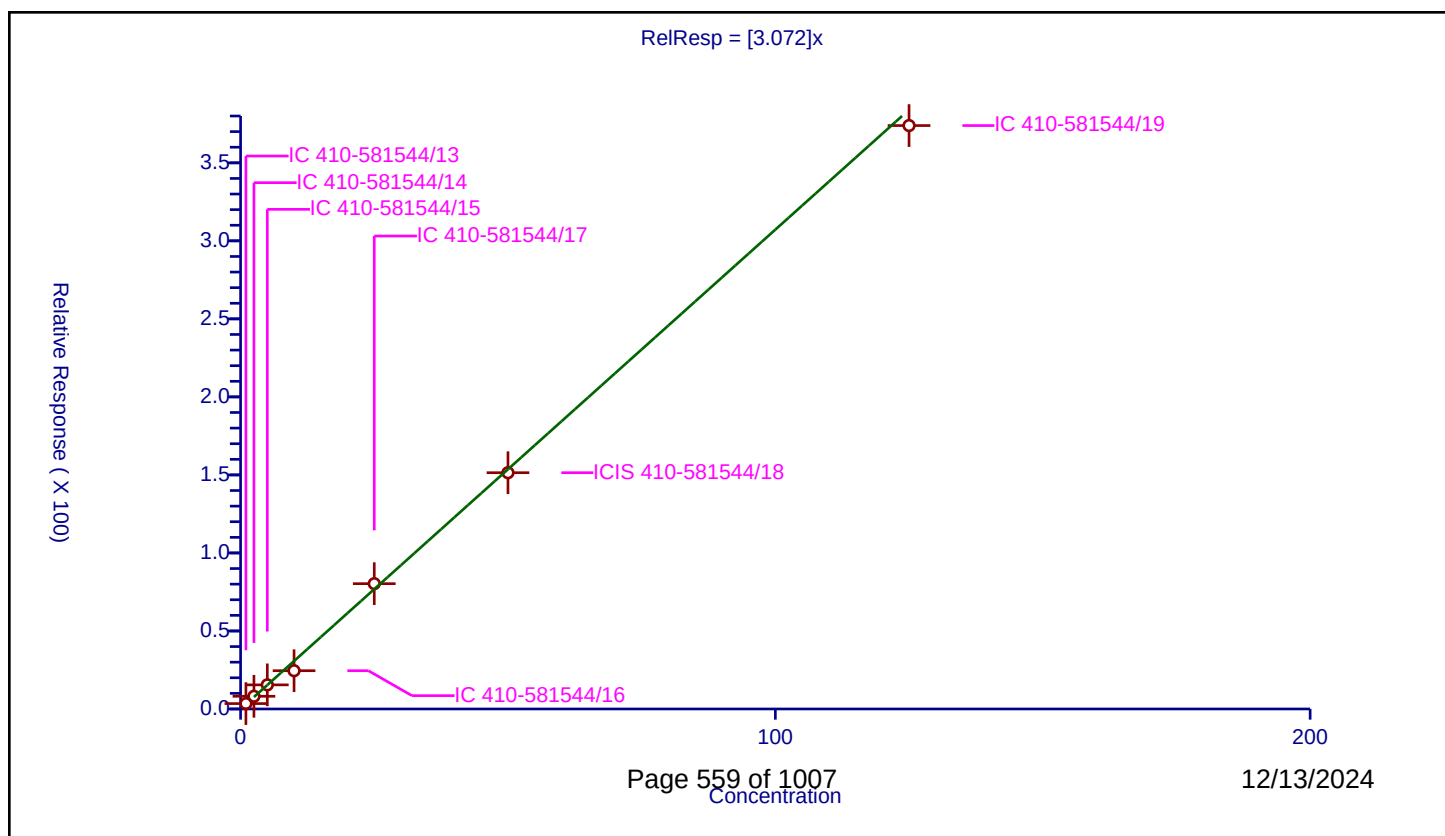
Curve Coefficients

Intercept: 0
Slope: 3.072

Error Coefficients

Relative Standard Deviation: 10.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	1.0	3.467336	49.9983	75156.0	3.467336	Y
2	IC 410-581544/14	2.5	8.146437	49.9983	78234.0	3.258575	Y
3	IC 410-581544/15	5.0	15.465116	49.9983	70537.0	3.093023	Y
4	IC 410-581544/16	10.0	24.534836	49.9983	82323.0	2.453484	Y
5	IC 410-581544/17	25.0	80.305162	49.9983	72915.0	3.212206	Y
6	ICIS 410-581544/18	50.0	151.419999	49.9983	80518.0	3.0284	Y
7	IC 410-581544/19	125.0	373.888641	49.9983	85355.0	2.991109	Y

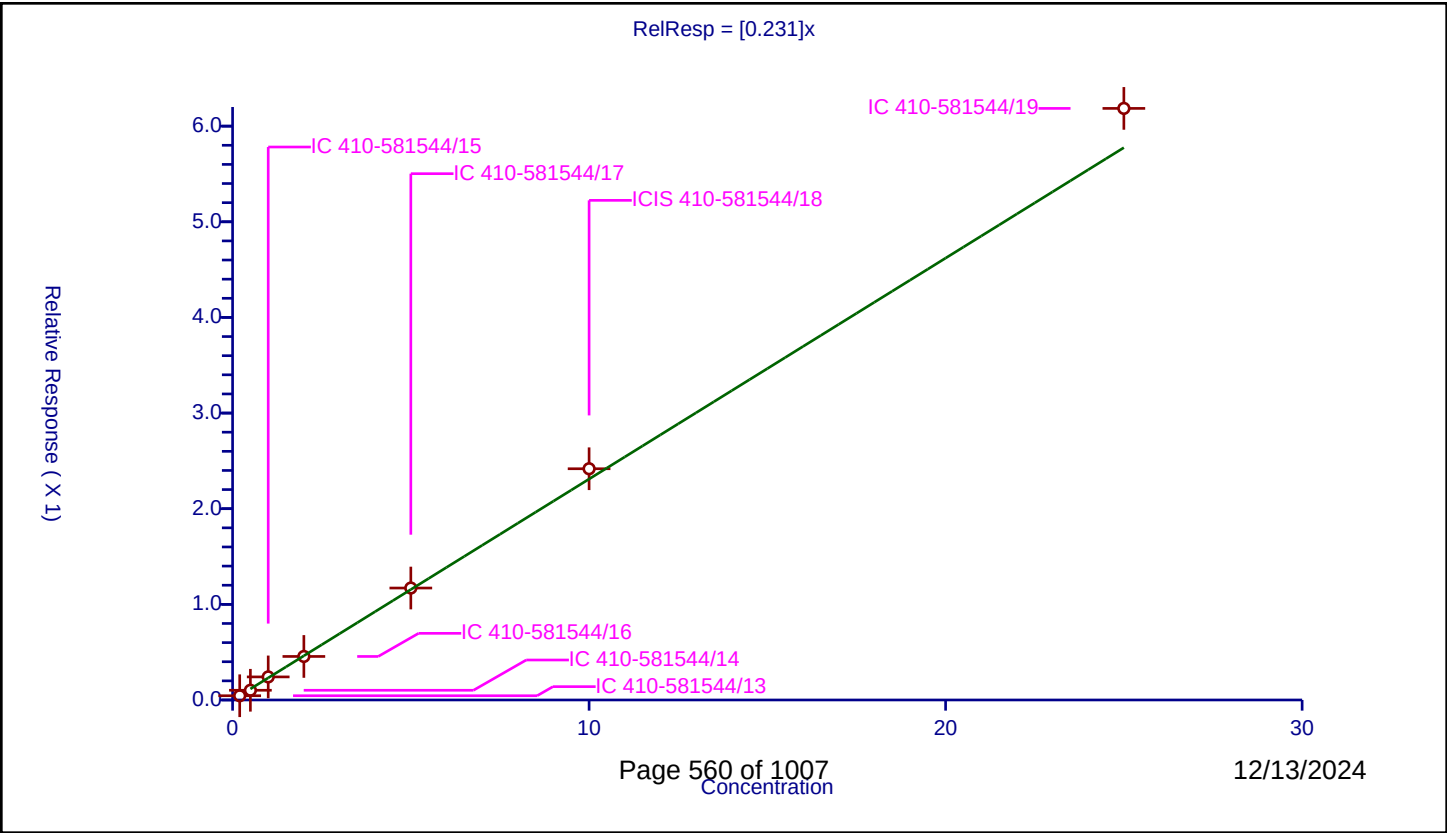


Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.231

Error Coefficients	
Relative Standard Deviation:	6.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	0.2	0.044344	9.99966	2031304.0	0.221722	Y
2	IC 410-581544/14	0.5	0.101585	9.99966	2087335.0	0.203171	Y
3	IC 410-581544/15	1.0	0.241223	9.99966	1927527.0	0.241223	Y
4	IC 410-581544/16	2.0	0.455186	9.99966	2105483.0	0.227593	Y
5	IC 410-581544/17	5.0	1.17062	9.99966	1950593.0	0.234124	Y
6	ICIS 410-581544/18	10.0	2.41786	9.99966	2029850.0	0.241786	Y
7	IC 410-581544/19	25.0	6.185515	9.99966	2040629.0	0.247421	Y



Calibration

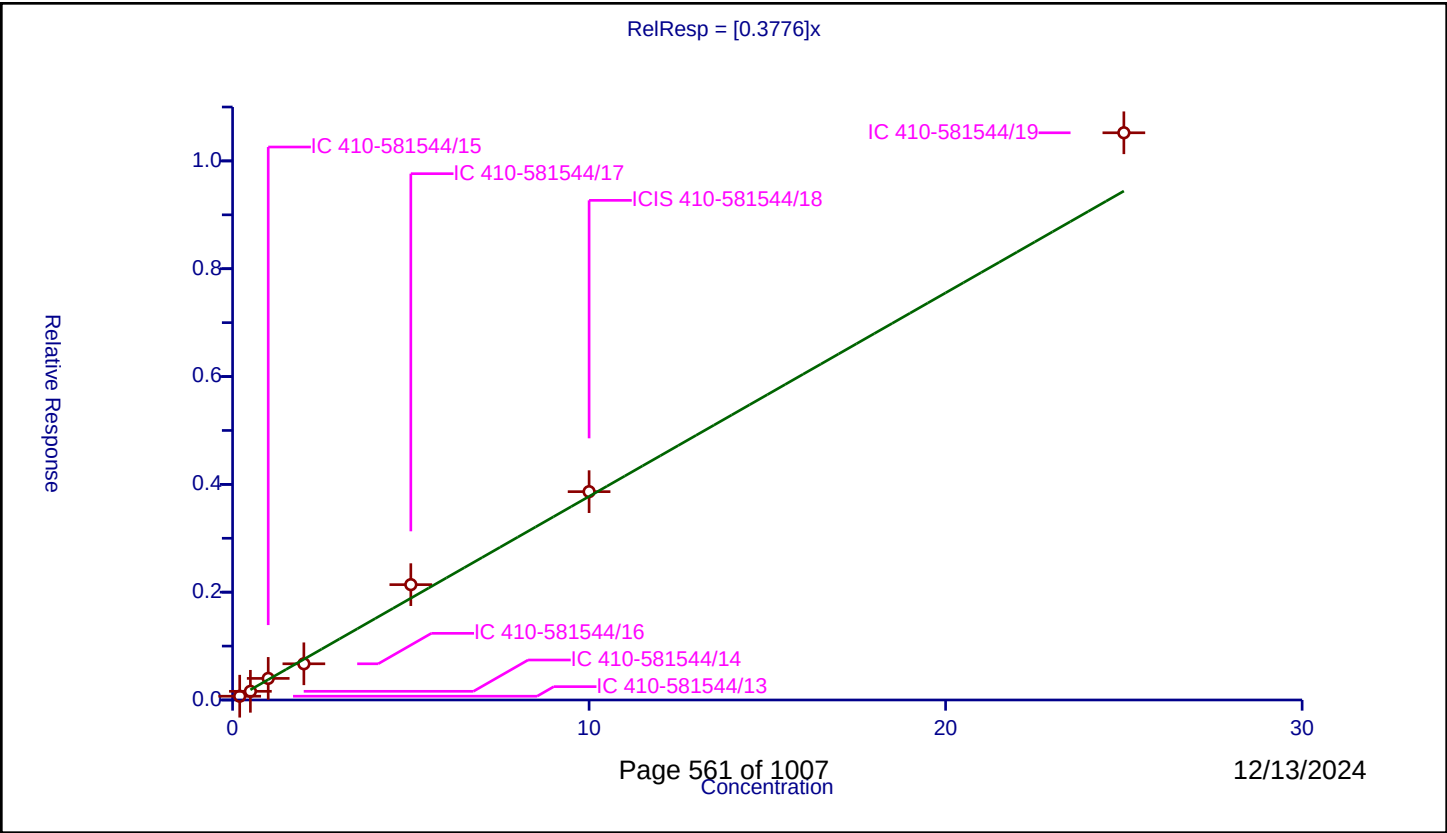
/ cis-1,3-Dichloropropene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.3776

Error Coefficients	
Relative Standard Deviation:	11.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	0.2	0.070076	9.99966	2031304.0	0.350379	Y
2	IC 410-581544/14	0.5	0.160865	9.99966	2087335.0	0.321729	Y
3	IC 410-581544/15	1.0	0.400318	9.99966	1927527.0	0.400318	Y
4	IC 410-581544/16	2.0	0.67141	9.99966	2105483.0	0.335705	Y
5	IC 410-581544/17	5.0	2.139856	9.99966	1950593.0	0.427971	Y
6	ICIS 410-581544/18	10.0	3.864568	9.99966	2029850.0	0.386457	Y
7	IC 410-581544/19	25.0	10.522368	9.99966	2040629.0	0.420895	Y



Calibration

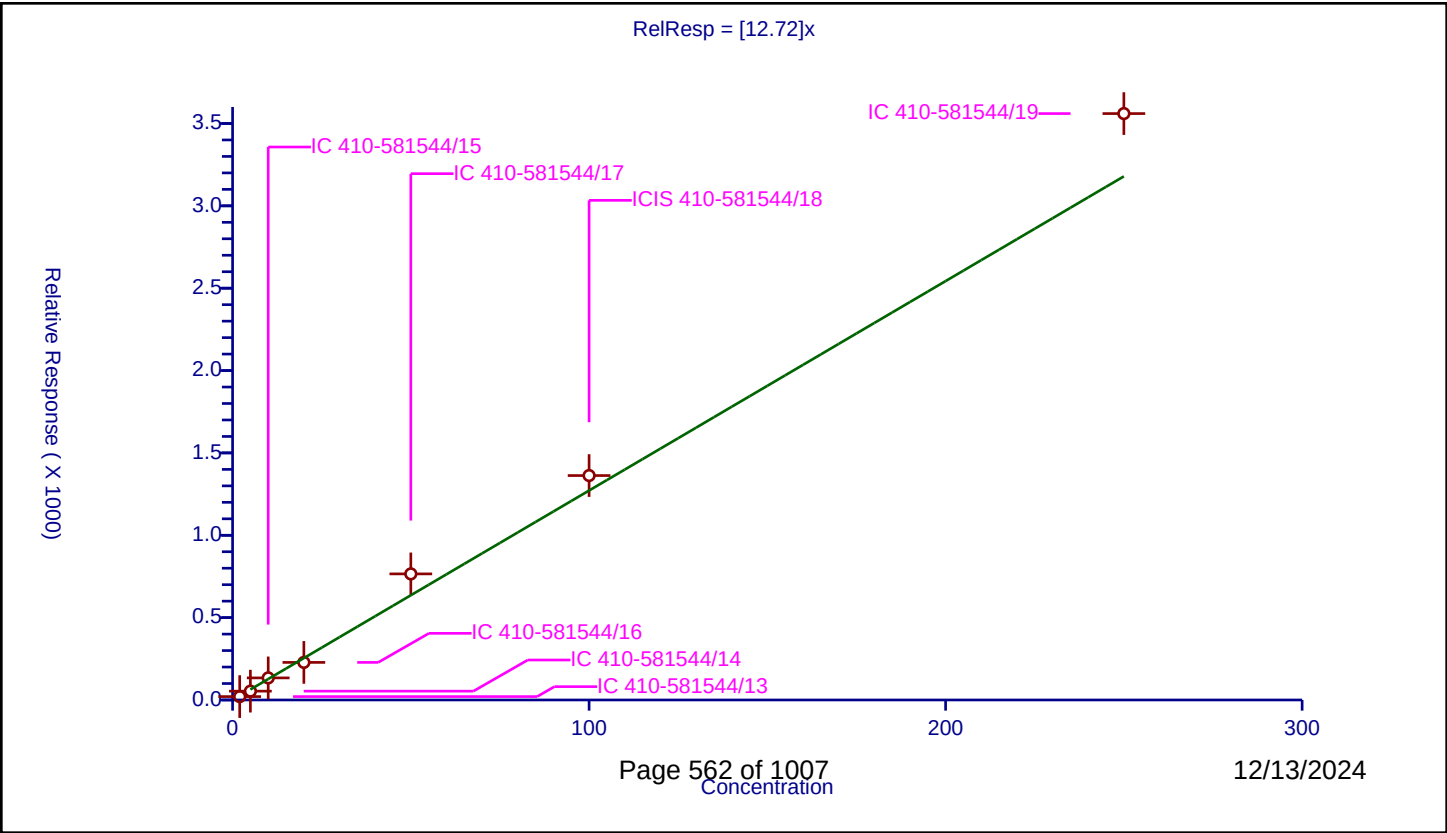
/ 4-Methyl-2-pentanone (MIBK)

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	12.72
Error Coefficients	

Relative Standard Deviation: 15.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	2.0	20.561199	49.9983	75156.0	10.280599	Y
2	IC 410-581544/14	5.0	53.67177	49.9983	78234.0	10.734354	Y
3	IC 410-581544/15	10.0	134.066213	49.9983	70537.0	13.406621	Y
4	IC 410-581544/16	20.0	228.233436	49.9983	82323.0	11.411672	Y
5	IC 410-581544/17	50.0	765.533869	49.9983	72915.0	15.310677	Y
6	ICIS 410-581544/18	100.0	1362.621023	49.9983	80518.0	13.62621	Y
7	IC 410-581544/19	250.0	3560.234522	49.9983	85355.0	14.240938	Y



Calibration

/ Toluene-d8 (Surr)

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

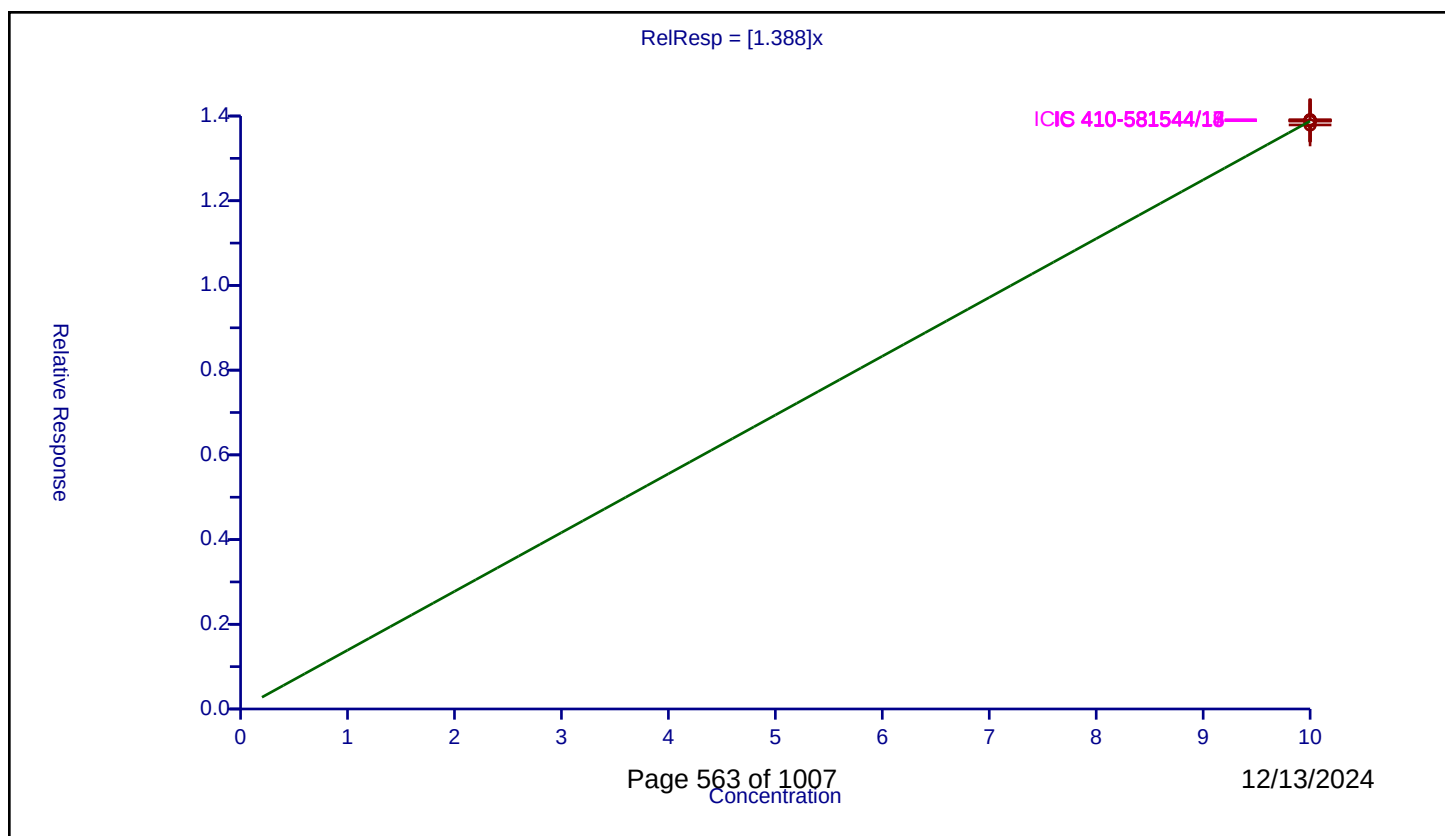
Curve Coefficients

Intercept: 0
 Slope: 1.388

Error Coefficients

Relative Standard Deviation: 0.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	9.99966	13.890558	9.99966	1466082.0	1.389103	Y
2	IC 410-581544/14	9.99966	13.912669	9.99966	1505979.0	1.391314	Y
3	IC 410-581544/15	9.99966	13.879069	9.99966	1402135.0	1.387954	Y
4	IC 410-581544/16	9.99966	13.892727	9.99966	1541126.0	1.38932	Y
5	IC 410-581544/17	9.99966	13.891048	9.99966	1433964.0	1.389152	Y
6	ICIS 410-581544/18	9.99966	13.901453	9.99966	1481835.0	1.390193	Y
7	IC 410-581544/19	9.99966	13.789333	9.99966	1496577.0	1.37898	Y



Calibration

/ Toluene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

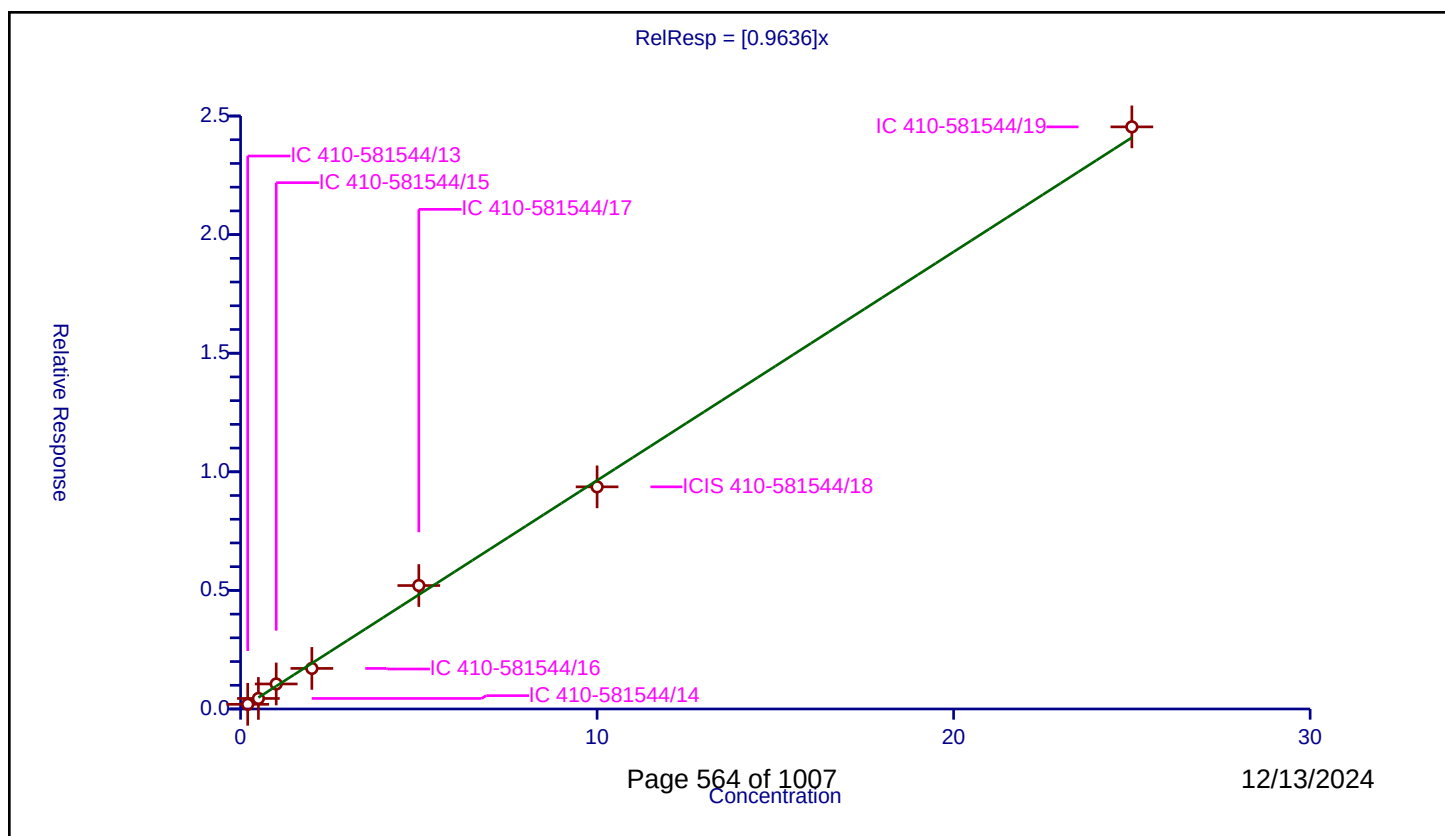
Curve Coefficients

Intercept: 0
Slope: 0.9636

Error Coefficients

Relative Standard Deviation: 7.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	0.2	0.197145	9.99966	1466082.0	0.985723	Y
2	IC 410-581544/14	0.5	0.444872	9.99966	1505979.0	0.889743	Y
3	IC 410-581544/15	1.0	1.055262	9.99966	1402135.0	1.055262	Y
4	IC 410-581544/16	2.0	1.710905	9.99966	1541126.0	0.855453	Y
5	IC 410-581544/17	5.0	5.205274	9.99966	1433964.0	1.041055	Y
6	ICIS 410-581544/18	10.0	9.365495	9.99966	1481835.0	0.936549	Y
7	IC 410-581544/19	25.0	24.542774	9.99966	1496577.0	0.981711	Y



Calibration

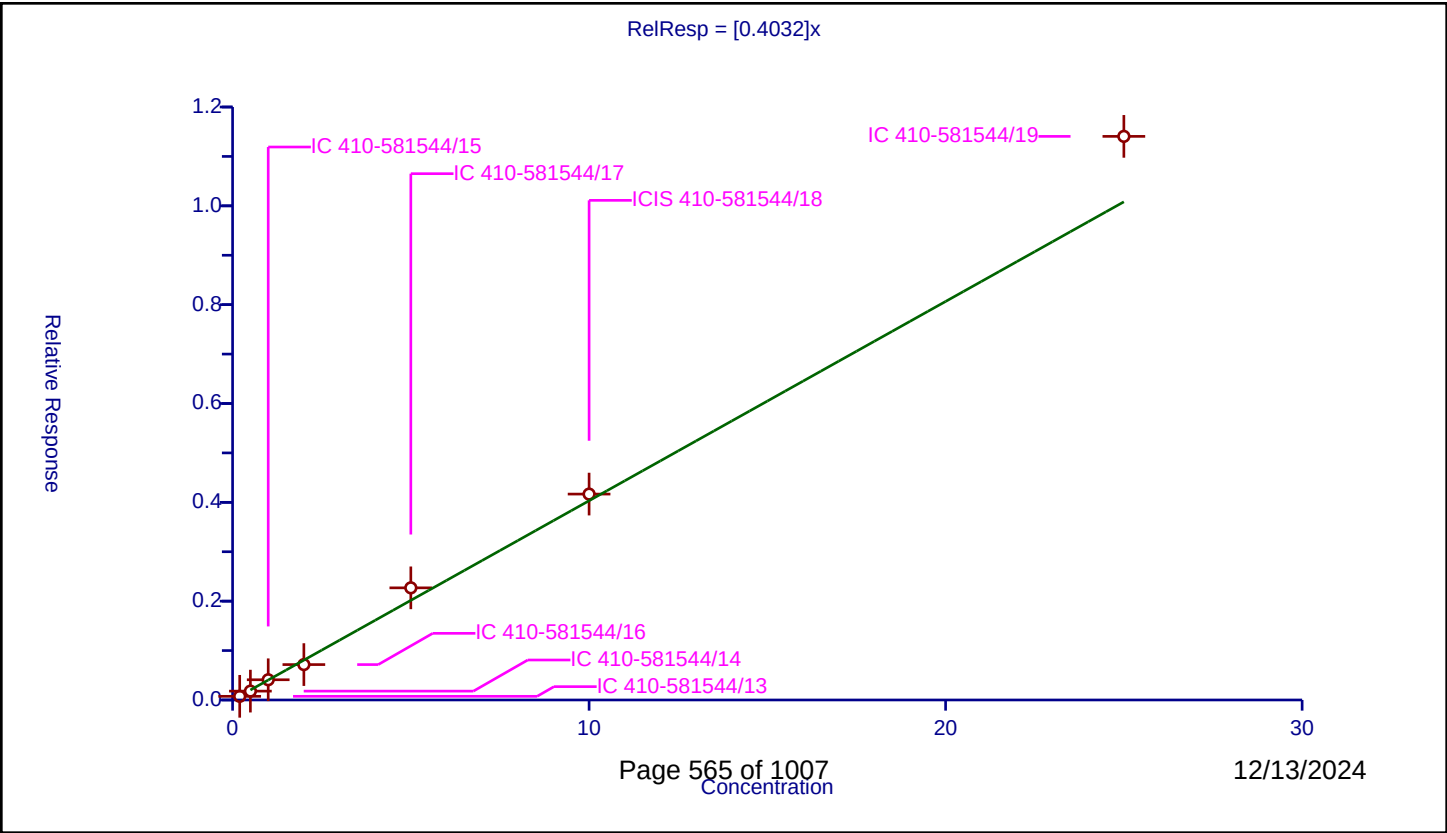
/ trans-1,3-Dichloropropene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.4032
Error Coefficients	

Relative Standard Deviation: 10.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	0.2	0.073991	9.99966	1466082.0	0.369953	Y
2	IC 410-581544/14	0.5	0.179233	9.99966	1505979.0	0.358466	Y
3	IC 410-581544/15	1.0	0.409333	9.99966	1402135.0	0.409333	Y
4	IC 410-581544/16	2.0	0.716367	9.99966	1541126.0	0.358184	Y
5	IC 410-581544/17	5.0	2.26938	9.99966	1433964.0	0.453876	Y
6	ICIS 410-581544/18	10.0	4.166847	9.99966	1481835.0	0.416685	Y
7	IC 410-581544/19	25.0	11.406022	9.99966	1496577.0	0.456241	Y



Calibration

/ Ethyl methacrylate

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

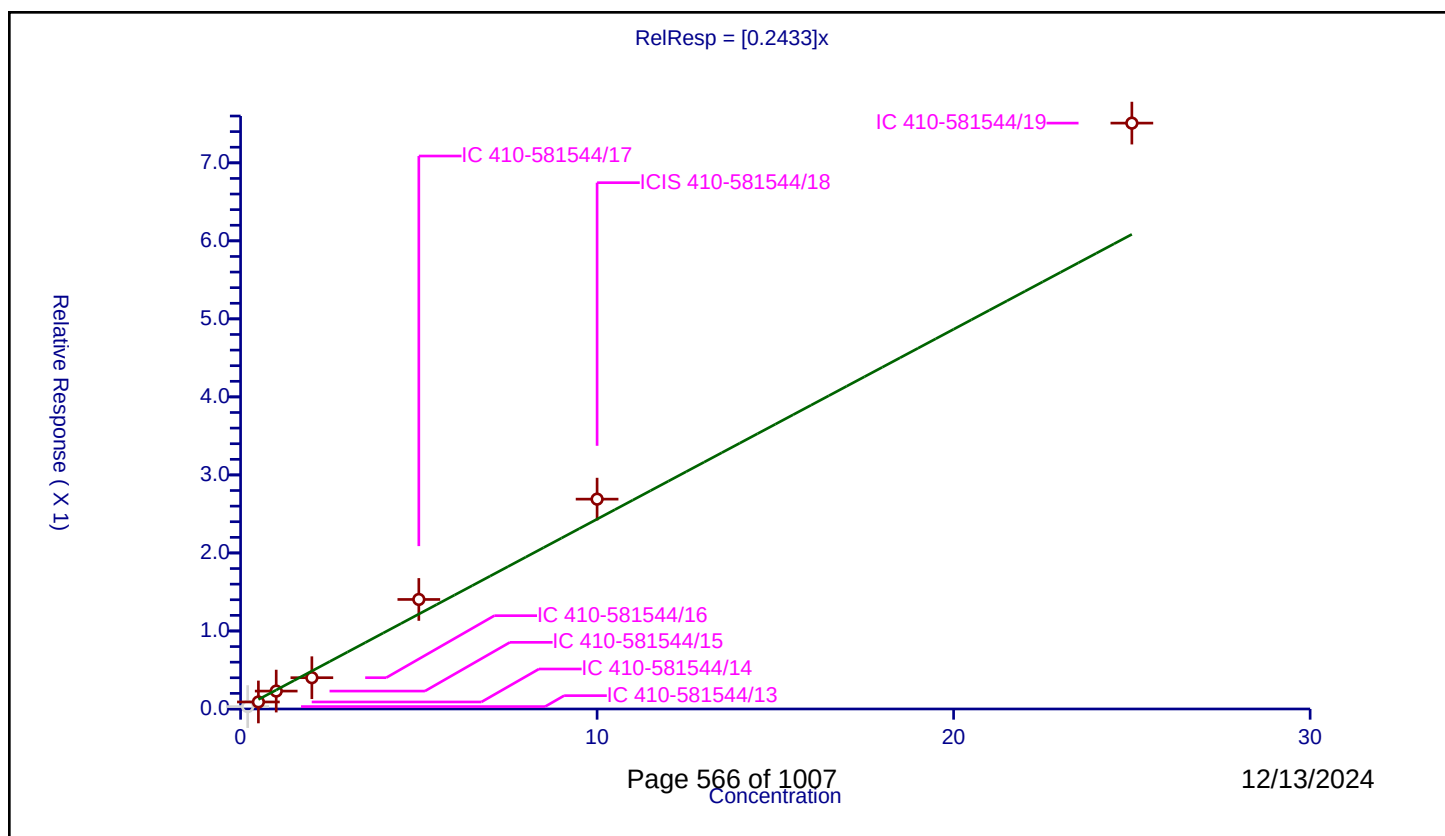
Curve Coefficients

Intercept: 0
Slope: 0.2433

Error Coefficients

Relative Standard Deviation: 19.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	0.2	0.031095	9.99966	1466082.0	0.155477	N
2	IC 410-581544/14	0.5	0.089972	9.99966	1505979.0	0.179943	Y
3	IC 410-581544/15	1.0	0.229428	9.99966	1402135.0	0.229428	Y
4	IC 410-581544/16	2.0	0.401141	9.99966	1541126.0	0.200571	Y
5	IC 410-581544/17	5.0	1.404025	9.99966	1433964.0	0.280805	Y
6	ICIS 410-581544/18	10.0	2.689506	9.99966	1481835.0	0.268951	Y
7	IC 410-581544/19	25.0	7.508914	9.99966	1496577.0	0.300357	Y



Calibration

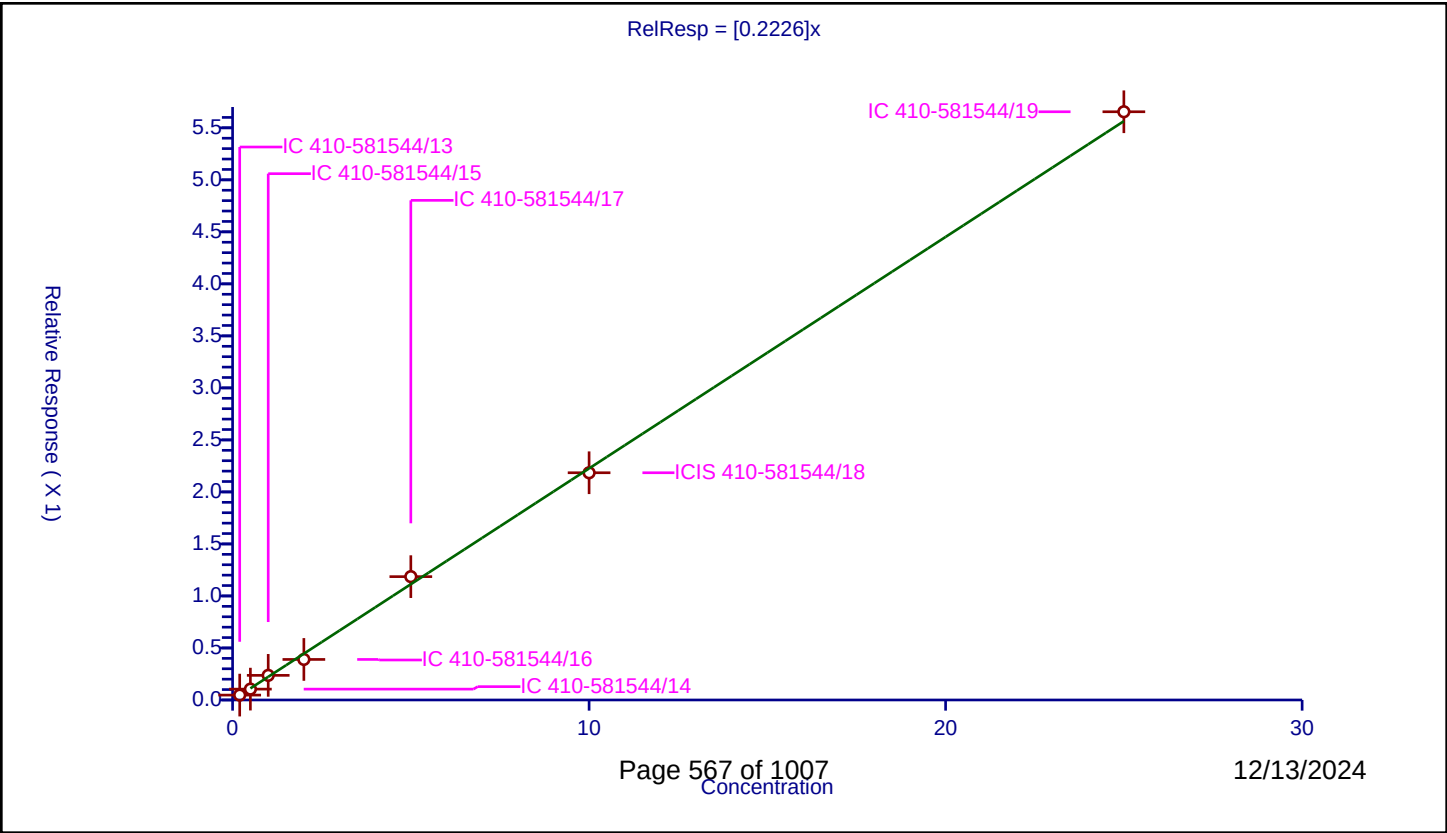
/ 1,1,2-Trichloroethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.2226

Error Coefficients	
Relative Standard Deviation:	7.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	0.2	0.047131	9.99966	1466082.0	0.235654	Y
2	IC 410-581544/14	0.5	0.104473	9.99966	1505979.0	0.208947	Y
3	IC 410-581544/15	1.0	0.236674	9.99966	1402135.0	0.236674	Y
4	IC 410-581544/16	2.0	0.389799	9.99966	1541126.0	0.1949	Y
5	IC 410-581544/17	5.0	1.185701	9.99966	1433964.0	0.23714	Y
6	ICIS 410-581544/18	10.0	2.184231	9.99966	1481835.0	0.218423	Y
7	IC 410-581544/19	25.0	5.654445	9.99966	1496577.0	0.226178	Y



Calibration

/ Tetrachloroethene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

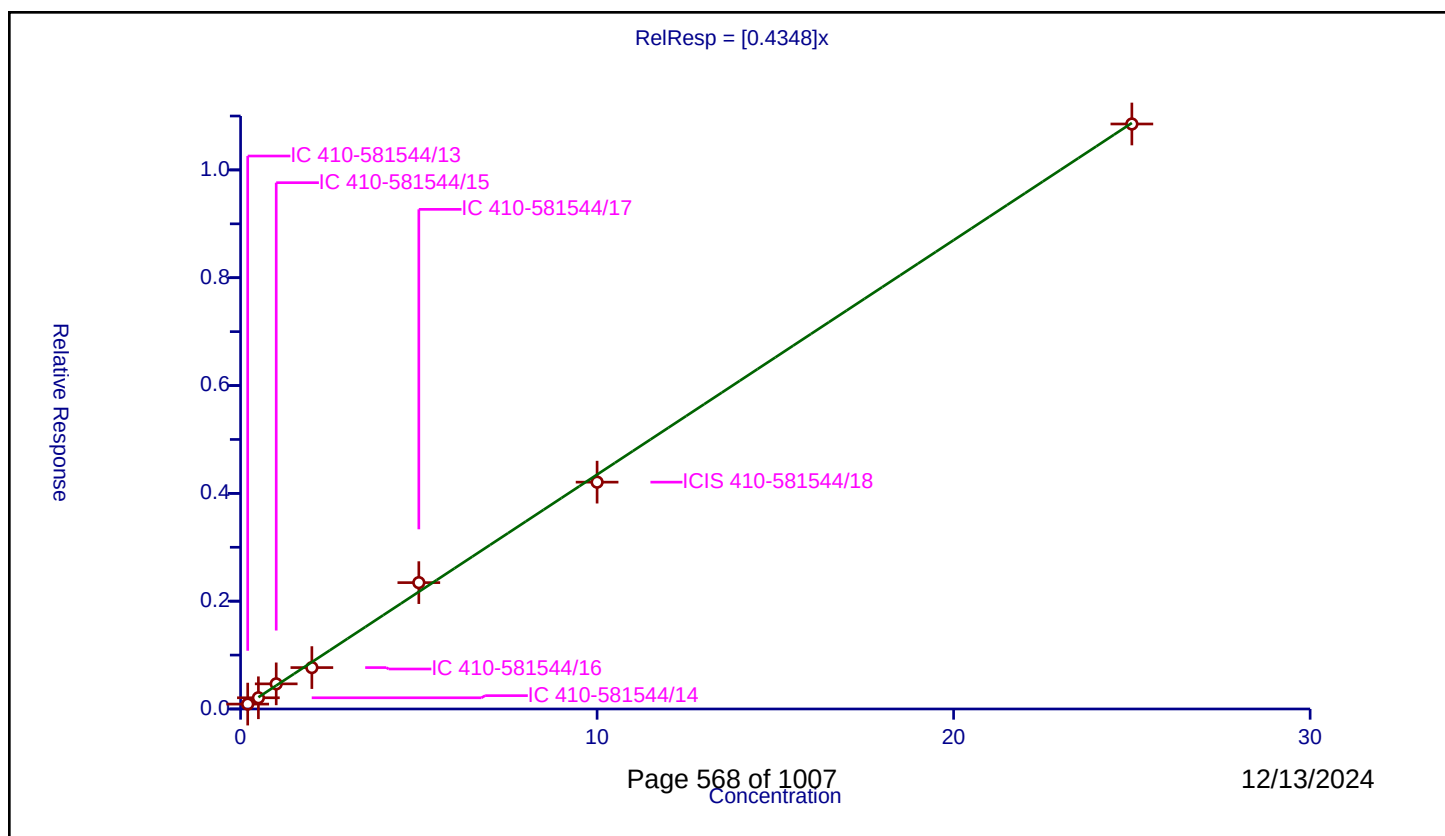
Curve Coefficients

Intercept: 0
Slope: 0.4348

Error Coefficients

Relative Standard Deviation: 7.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	0.2	0.090722	9.99966	1466082.0	0.453609	Y
2	IC 410-581544/14	0.5	0.208196	9.99966	1505979.0	0.416393	Y
3	IC 410-581544/15	1.0	0.466116	9.99966	1402135.0	0.466116	Y
4	IC 410-581544/16	2.0	0.768075	9.99966	1541126.0	0.384037	Y
5	IC 410-581544/17	5.0	2.344226	9.99966	1433964.0	0.468845	Y
6	ICIS 410-581544/18	10.0	4.208045	9.99966	1481835.0	0.420804	Y
7	IC 410-581544/19	25.0	10.852324	9.99966	1496577.0	0.434093	Y



Calibration

/ 1,3-Dichloropropane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

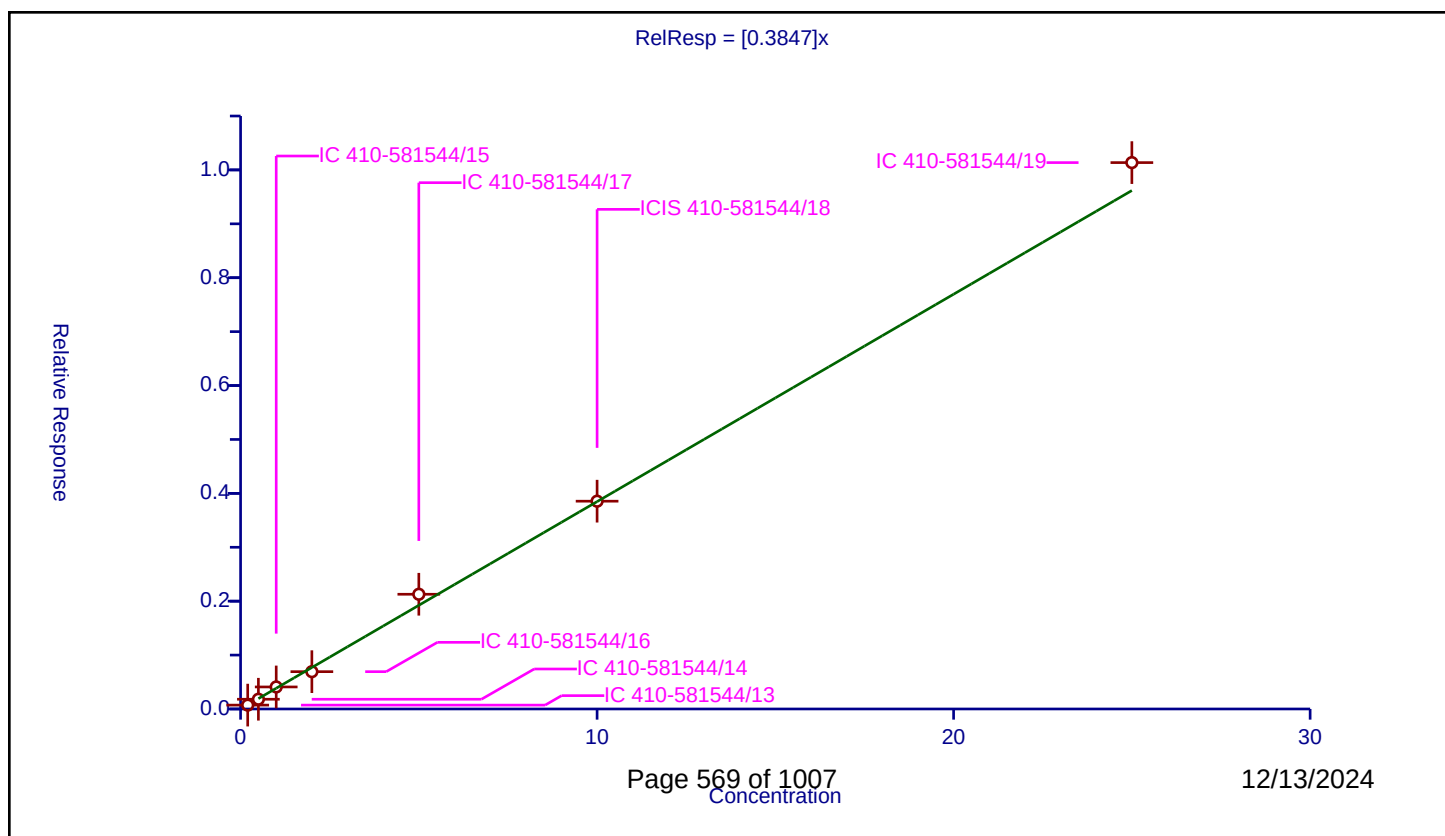
Curve Coefficients

Intercept: 0
 Slope: 0.3847

Error Coefficients

Relative Standard Deviation: 7.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	0.2	0.072101	9.99966	1466082.0	0.360506	Y
2	IC 410-581544/14	0.5	0.180567	9.99966	1505979.0	0.361135	Y
3	IC 410-581544/15	1.0	0.408691	9.99966	1402135.0	0.408691	Y
4	IC 410-581544/16	2.0	0.692113	9.99966	1541126.0	0.346057	Y
5	IC 410-581544/17	5.0	2.128335	9.99966	1433964.0	0.425667	Y
6	ICIS 410-581544/18	10.0	3.854853	9.99966	1481835.0	0.385485	Y
7	IC 410-581544/19	25.0	10.13588	9.99966	1496577.0	0.405435	Y

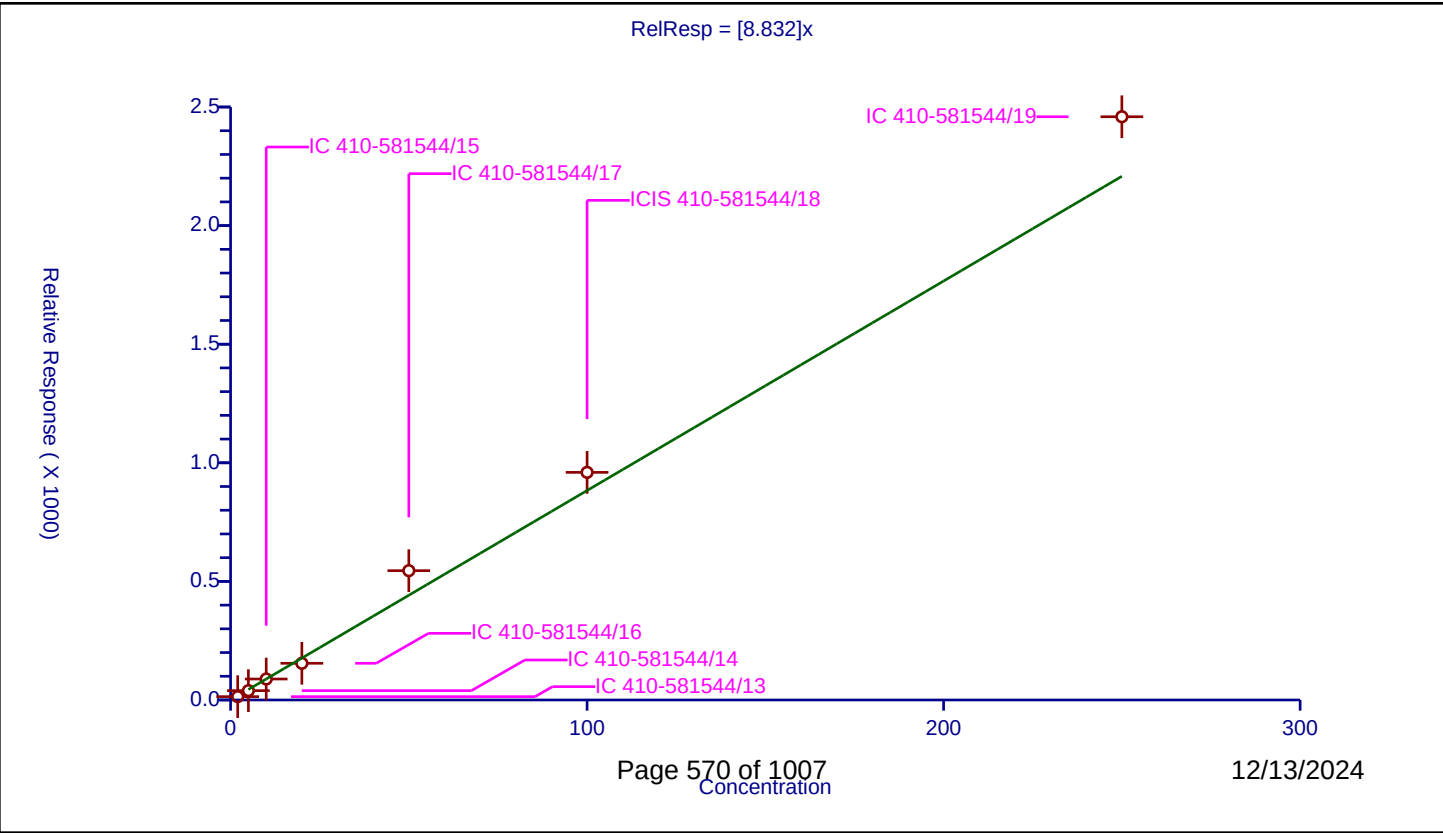


Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	8.832

Error Coefficients	
Relative Standard Deviation:	15.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	2.0	14.075577	49.9983	75156.0	7.037788	Y
2	IC 410-581544/14	5.0	39.354952	49.9983	78234.0	7.87099	Y
3	IC 410-581544/15	10.0	88.393864	49.9983	70537.0	8.839386	Y
4	IC 410-581544/16	20.0	154.704845	49.9983	82323.0	7.735242	Y
5	IC 410-581544/17	50.0	545.26501	49.9983	72915.0	10.9053	Y
6	ICIS 410-581544/18	100.0	959.633533	49.9983	80518.0	9.596335	Y
7	IC 410-581544/19	250.0	2459.010761	49.9983	85355.0	9.836043	Y



Calibration

/ Chlorodibromomethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

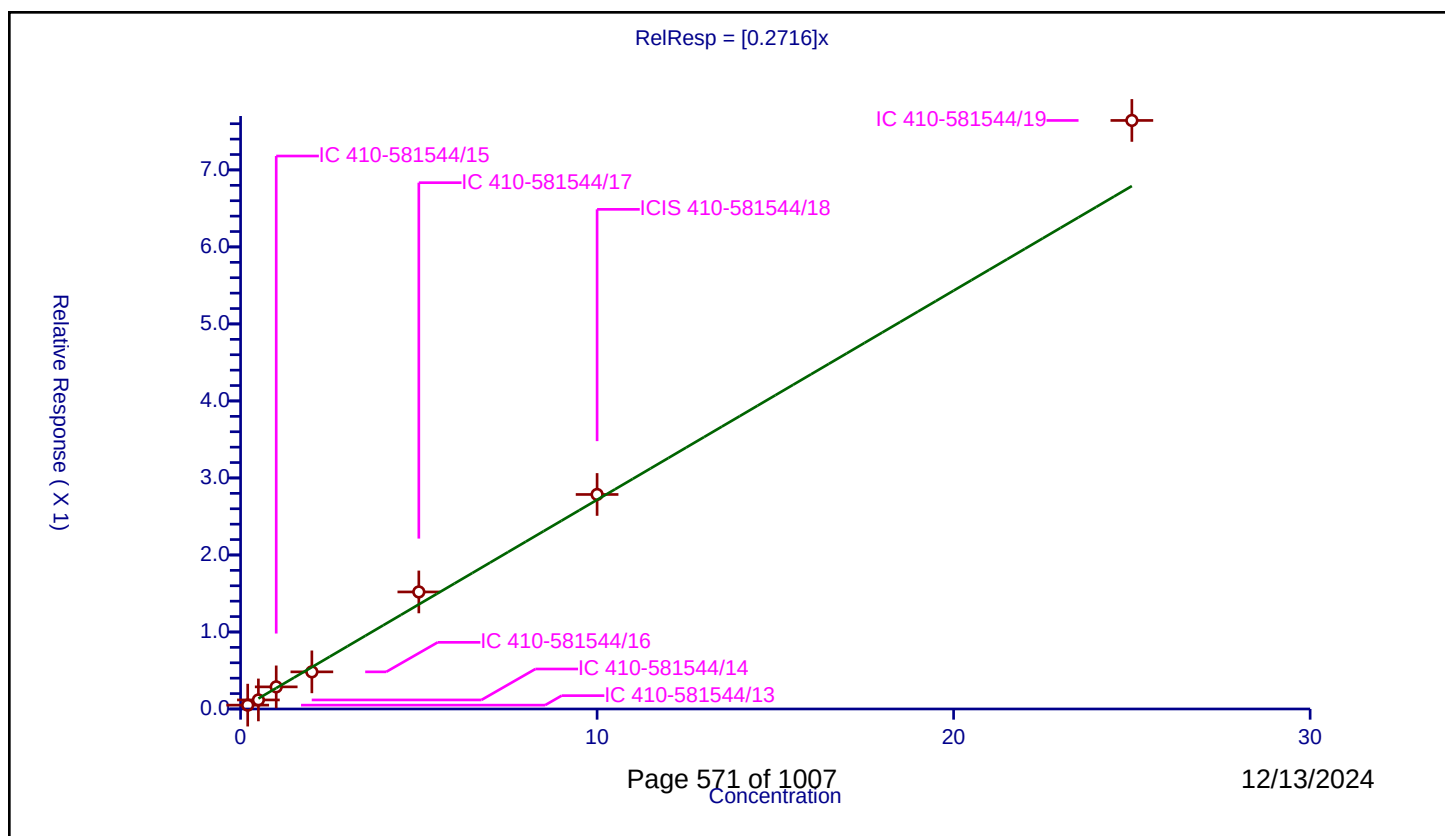
Curve Coefficients

Intercept: 0
 Slope: 0.2716

Error Coefficients

Relative Standard Deviation: 10.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	0.2	0.049907	9.99966	1466082.0	0.249534	Y
2	IC 410-581544/14	0.5	0.117694	9.99966	1505979.0	0.235387	Y
3	IC 410-581544/15	1.0	0.287102	9.99966	1402135.0	0.287102	Y
4	IC 410-581544/16	2.0	0.482086	9.99966	1541126.0	0.241043	Y
5	IC 410-581544/17	5.0	1.520112	9.99966	1433964.0	0.304022	Y
6	ICIS 410-581544/18	10.0	2.785607	9.99966	1481835.0	0.278561	Y
7	IC 410-581544/19	25.0	7.642641	9.99966	1496577.0	0.305706	Y



Calibration

/ Ethylene Dibromide

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

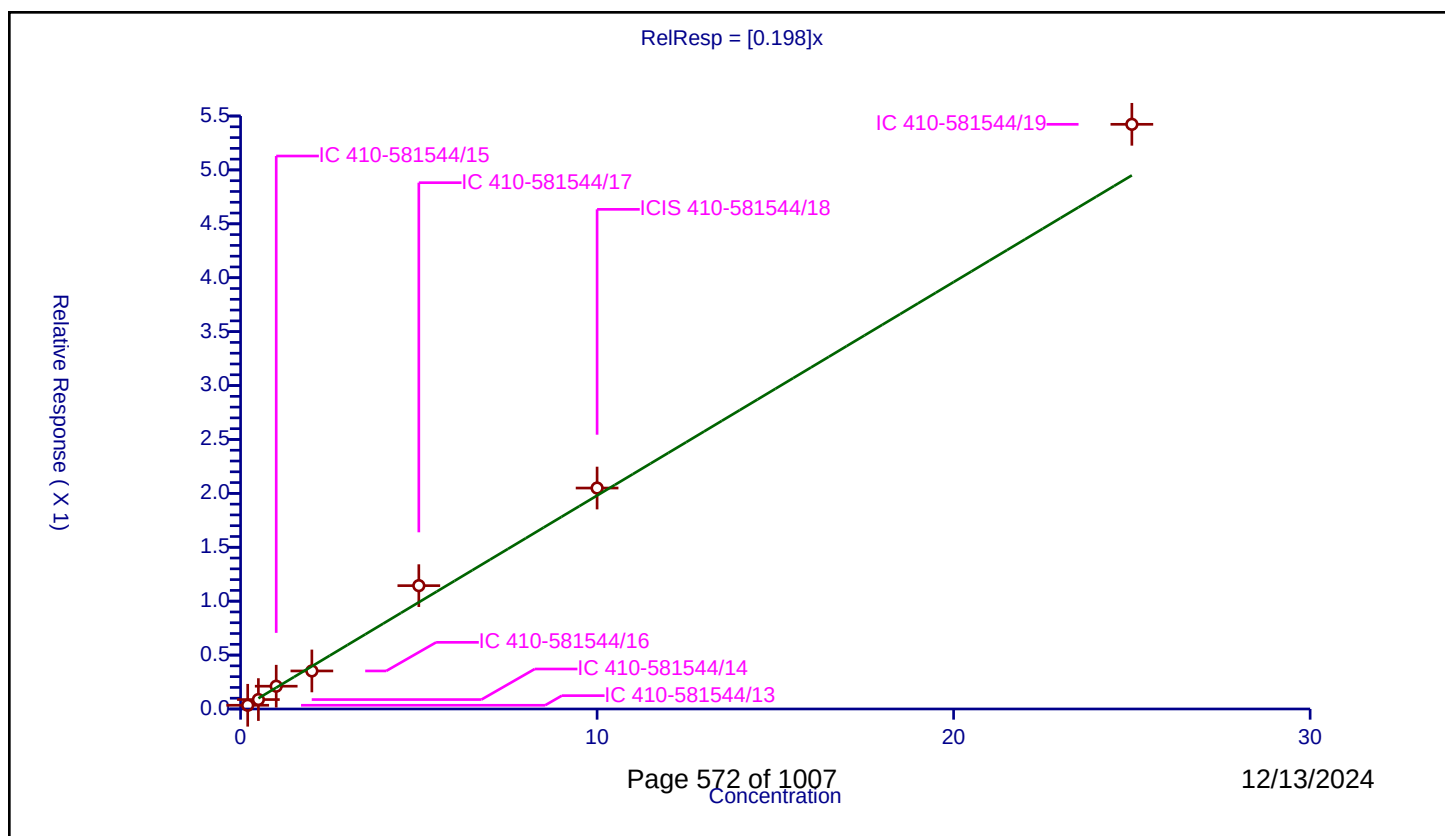
Curve Coefficients

Intercept: 0
Slope: 0.198

Error Coefficients

Relative Standard Deviation: 11.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	0.2	0.034499	9.99966	1466082.0	0.172495	Y
2	IC 410-581544/14	0.5	0.087468	9.99966	1505979.0	0.174937	Y
3	IC 410-581544/15	1.0	0.211413	9.99966	1402135.0	0.211413	Y
4	IC 410-581544/16	2.0	0.35284	9.99966	1541126.0	0.17642	Y
5	IC 410-581544/17	5.0	1.144048	9.99966	1433964.0	0.22881	Y
6	ICIS 410-581544/18	10.0	2.049416	9.99966	1481835.0	0.204942	Y
7	IC 410-581544/19	25.0	5.423038	9.99966	1496577.0	0.216922	Y



Calibration

/ 1-Chlorohexane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

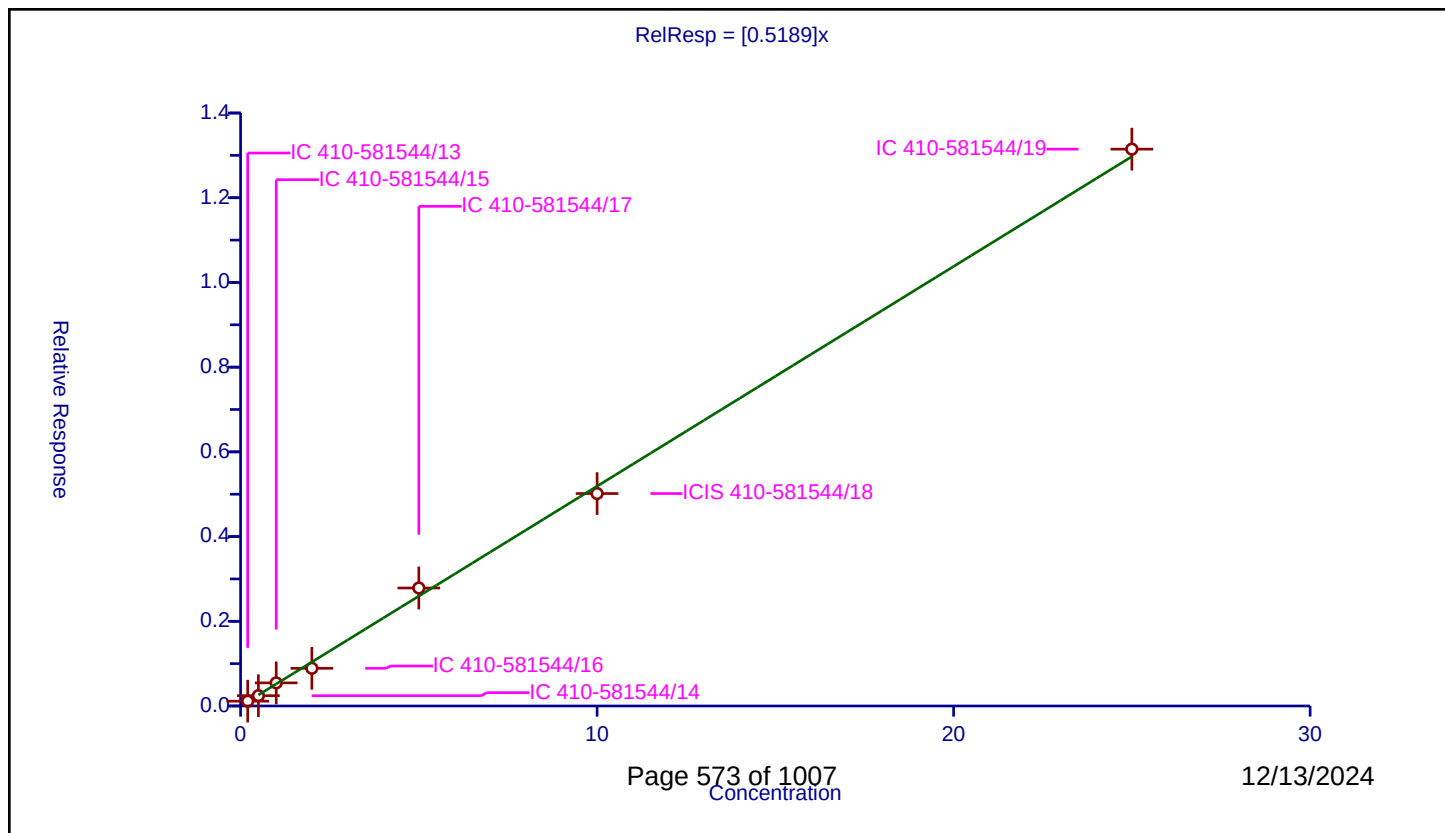
Curve Coefficients

Intercept: 0
 Slope: 0.5189

Error Coefficients

Relative Standard Deviation: 8.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	0.2	0.114001	9.99966	1466082.0	0.570003	Y
2	IC 410-581544/14	0.5	0.243475	9.99966	1505979.0	0.486949	Y
3	IC 410-581544/15	1.0	0.545728	9.99966	1402135.0	0.545728	Y
4	IC 410-581544/16	2.0	0.889819	9.99966	1541126.0	0.444491	Y
5	IC 410-581544/17	5.0	2.785721	9.99966	1433964.0	0.557144	Y
6	ICIS 410-581544/18	10.0	5.015907	9.99966	1481835.0	0.501591	Y
7	IC 410-581544/19	25.0	13.147183	9.99966	1496577.0	0.525887	Y



Calibration

/ Chlorobenzene

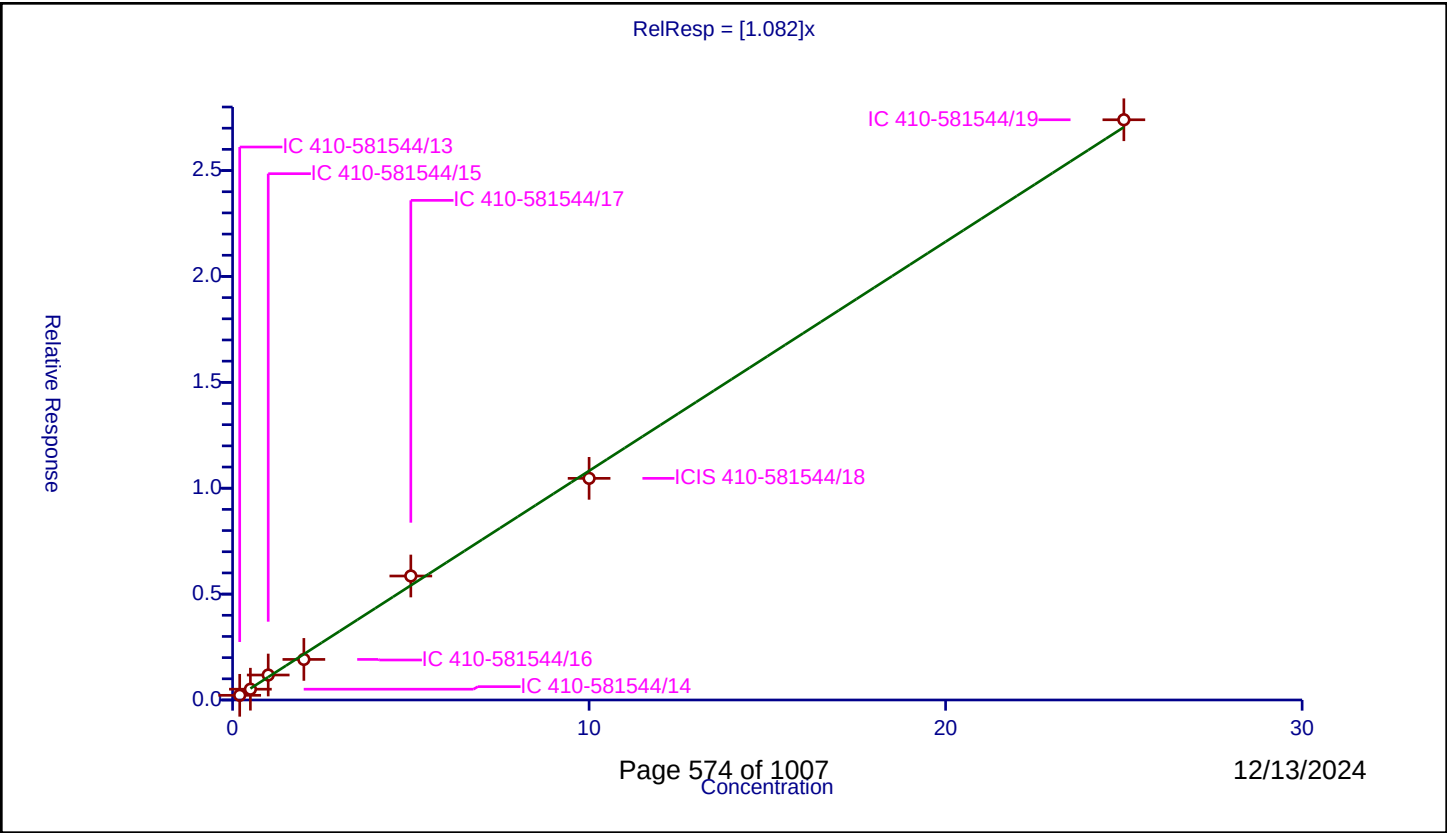
Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.082

Error Coefficients	

Relative Standard Deviation: 7.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	0.2	0.221051	9.99966	1466082.0	1.105255	Y
2	IC 410-581544/14	0.5	0.508881	9.99966	1505979.0	1.017762	Y
3	IC 410-581544/15	1.0	1.17924	9.99966	1402135.0	1.17924	Y
4	IC 410-581544/16	2.0	1.915554	9.99966	1541126.0	0.957777	Y
5	IC 410-581544/17	5.0	5.855213	9.99966	1433964.0	1.171043	Y
6	ICIS 410-581544/18	10.0	10.465924	9.99966	1481835.0	1.046592	Y
7	IC 410-581544/19	25.0	27.397812	9.99966	1496577.0	1.095912	Y



Calibration

/ 1,1,1,2-Tetrachloroethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

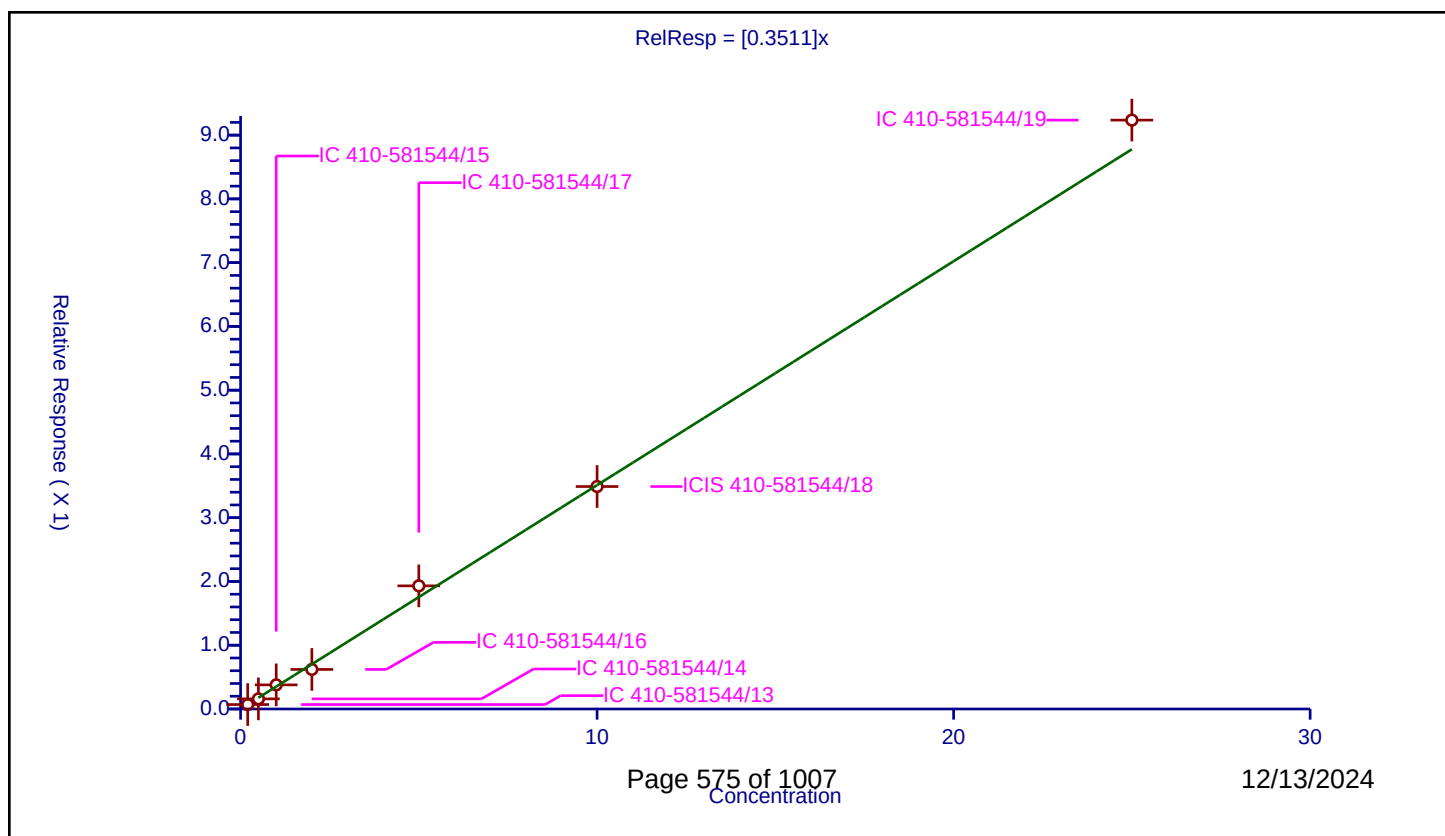
Curve Coefficients

Intercept: 0
 Slope: 0.3511

Error Coefficients

Relative Standard Deviation: 8.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	0.2	0.069469	9.99966	1466082.0	0.347343	Y
2	IC 410-581544/14	0.5	0.158675	9.99966	1505979.0	0.317351	Y
3	IC 410-581544/15	1.0	0.378374	9.99966	1402135.0	0.378374	Y
4	IC 410-581544/16	2.0	0.62035	9.99966	1541126.0	0.310175	Y
5	IC 410-581544/17	5.0	1.931085	9.99966	1433964.0	0.386217	Y
6	ICIS 410-581544/18	10.0	3.488988	9.99966	1481835.0	0.348899	Y
7	IC 410-581544/19	25.0	9.235662	9.99966	1496577.0	0.369426	Y



Calibration

/ Ethylbenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

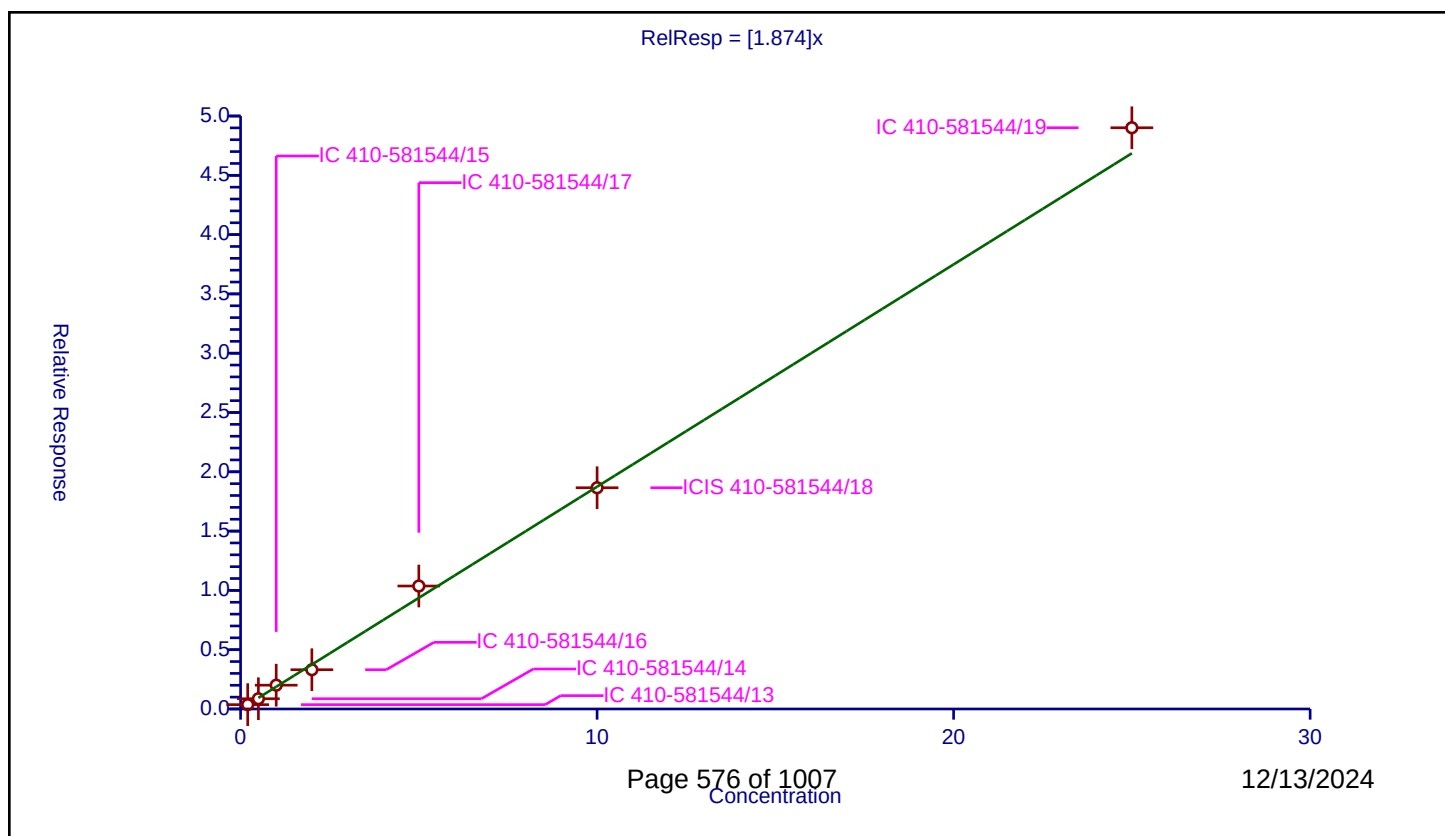
Curve Coefficients

Intercept: 0
Slope: 1.874

Error Coefficients

Relative Standard Deviation: 8.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	0.2	0.365922	9.99966	1466082.0	1.82961	Y
2	IC 410-581544/14	0.5	0.863694	9.99966	1505979.0	1.727389	Y
3	IC 410-581544/15	1.0	2.00732	9.99966	1402135.0	2.00732	Y
4	IC 410-581544/16	2.0	3.311927	9.99966	1541126.0	1.655963	Y
5	IC 410-581544/17	5.0	10.368095	9.99966	1433964.0	2.073619	Y
6	ICIS 410-581544/18	10.0	18.655626	9.99966	1481835.0	1.865563	Y
7	IC 410-581544/19	25.0	49.010366	9.99966	1496577.0	1.960415	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

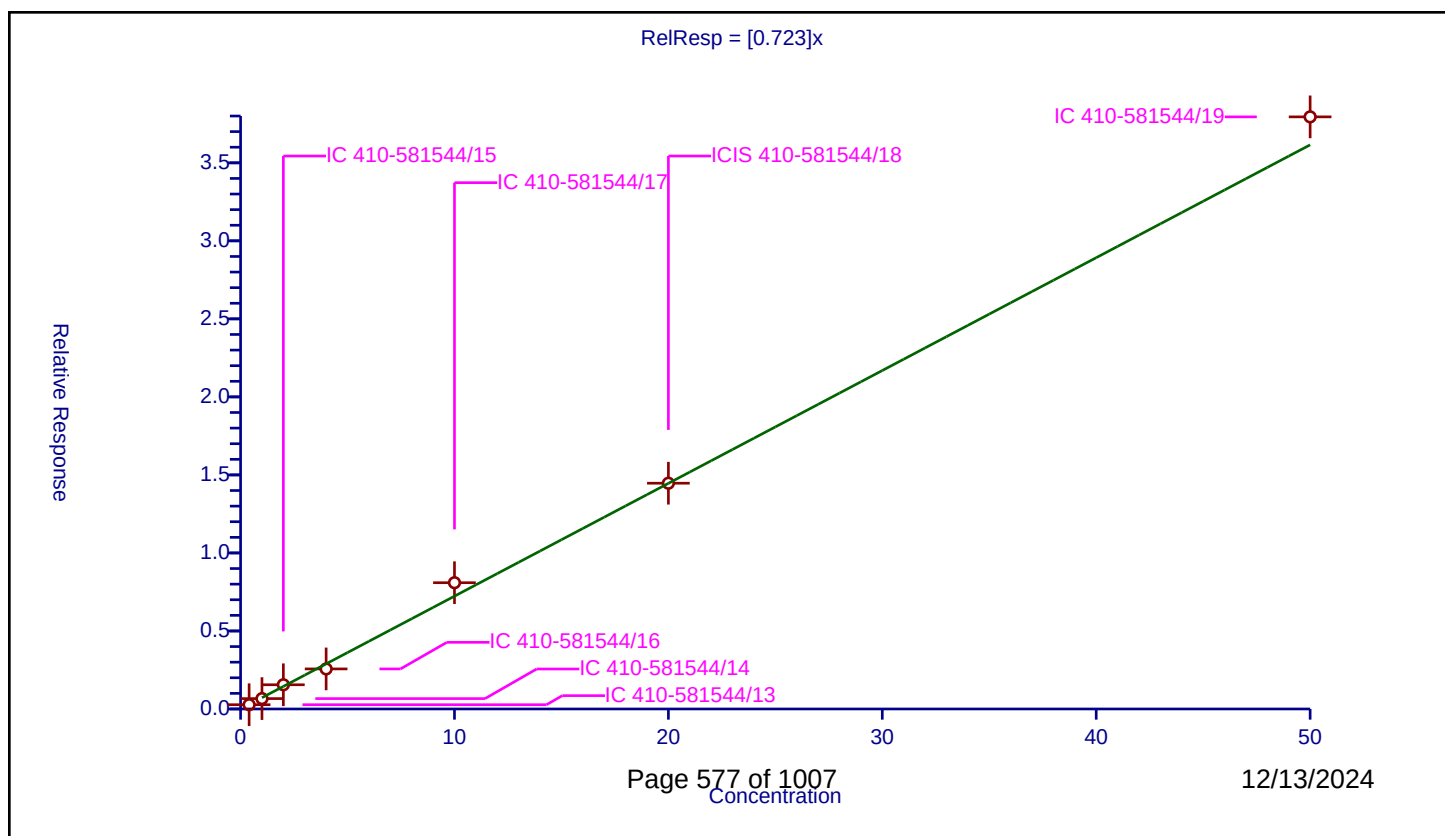
Curve Coefficients

Intercept: 0
 Slope: 0.723

Error Coefficients

Relative Standard Deviation: 8.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	0.4	0.274614	9.99966	1466082.0	0.686534	Y
2	IC 410-581544/14	1.0	0.665279	9.99966	1505979.0	0.665279	Y
3	IC 410-581544/15	2.0	1.552002	9.99966	1402135.0	0.776001	Y
4	IC 410-581544/16	4.0	2.567672	9.99966	1541126.0	0.641918	Y
5	IC 410-581544/17	10.0	8.091671	9.99966	1433964.0	0.809167	Y
6	ICIS 410-581544/18	20.0	14.467988	9.99966	1481835.0	0.723399	Y
7	IC 410-581544/19	50.0	37.945611	9.99966	1496577.0	0.758912	Y



Calibration

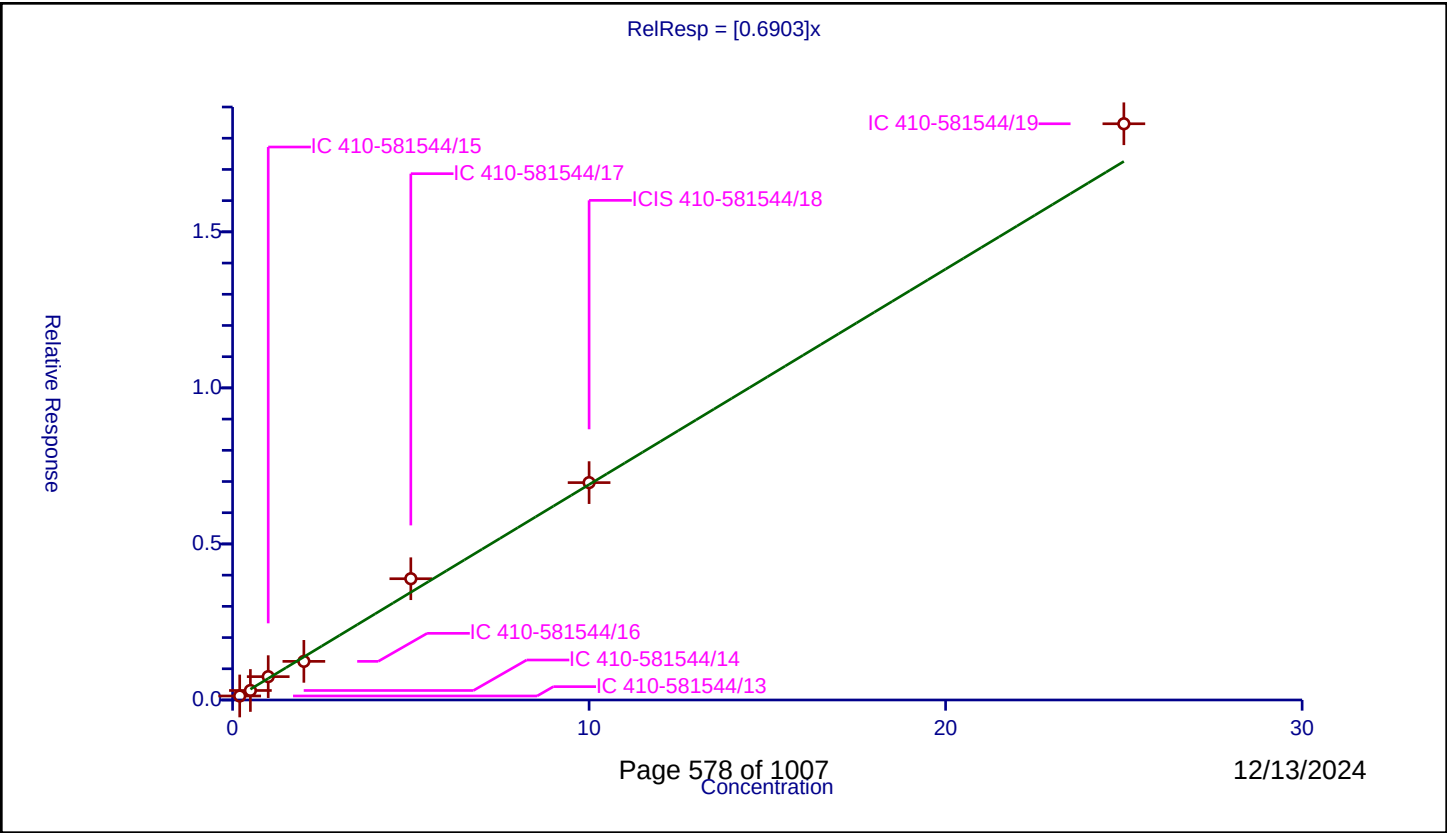
/ o-Xylene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.6903
Error Coefficients	

Relative Standard Deviation: 9.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	0.2	0.128979	9.99966	1466082.0	0.644894	Y
2	IC 410-581544/14	0.5	0.30421	9.99966	1505979.0	0.608421	Y
3	IC 410-581544/15	1.0	0.747677	9.99966	1402135.0	0.747677	Y
4	IC 410-581544/16	2.0	1.237352	9.99966	1541126.0	0.618676	Y
5	IC 410-581544/17	5.0	3.885991	9.99966	1433964.0	0.777198	Y
6	ICIS 410-581544/18	10.0	6.965363	9.99966	1481835.0	0.696536	Y
7	IC 410-581544/19	25.0	18.463173	9.99966	1496577.0	0.738527	Y

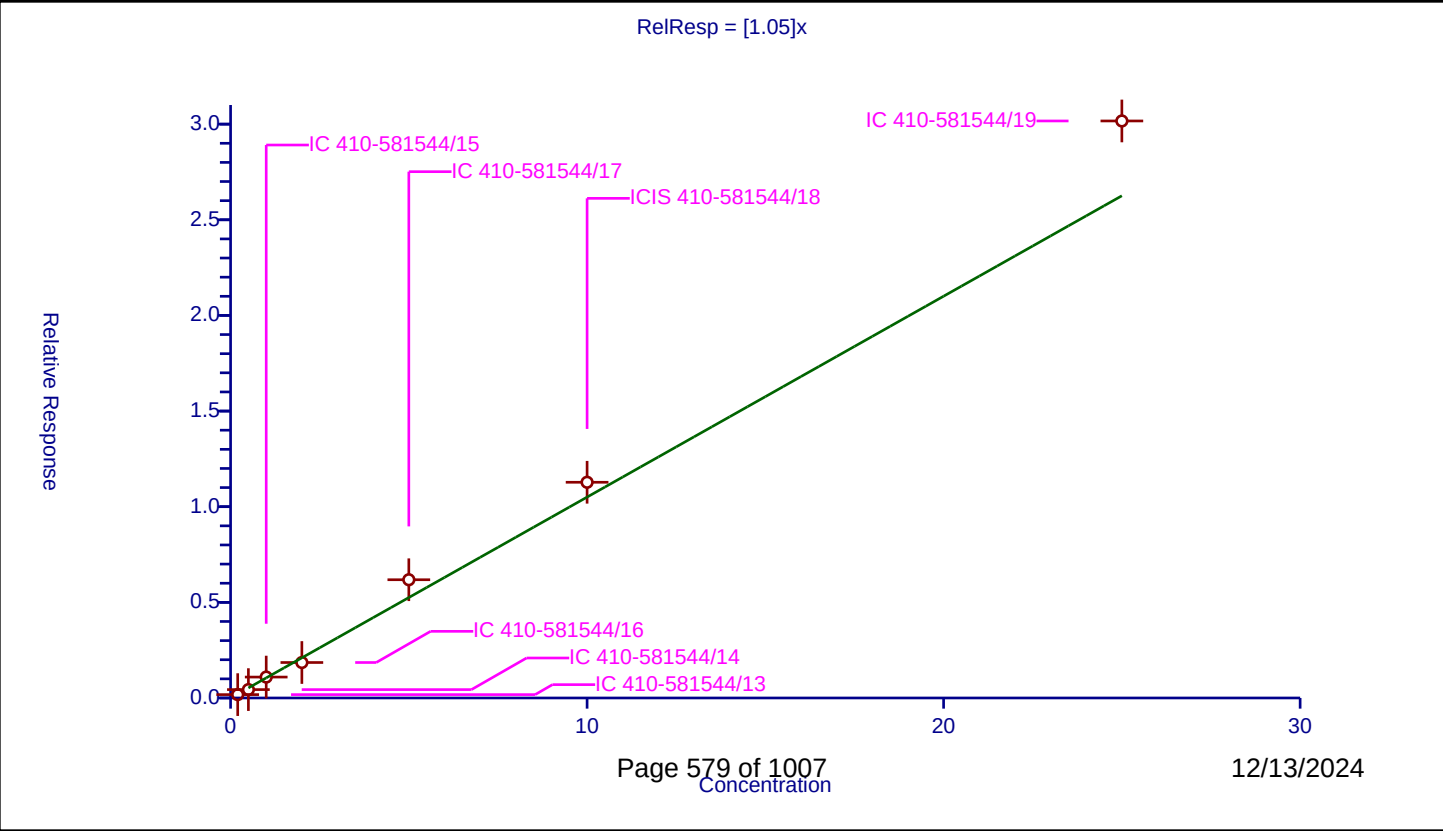


Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.05

Error Coefficients	
Relative Standard Deviation:	14.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	0.2	0.176423	9.99966	1466082.0	0.882117	Y
2	IC 410-581544/14	0.5	0.438643	9.99966	1505979.0	0.877287	Y
3	IC 410-581544/15	1.0	1.09403	9.99966	1402135.0	1.09403	Y
4	IC 410-581544/16	2.0	1.854471	9.99966	1541126.0	0.927235	Y
5	IC 410-581544/17	5.0	6.181612	9.99966	1433964.0	1.236322	Y
6	ICIS 410-581544/18	10.0	11.278106	9.99966	1481835.0	1.127811	Y
7	IC 410-581544/19	25.0	30.165909	9.99966	1496577.0	1.206636	Y



Calibration

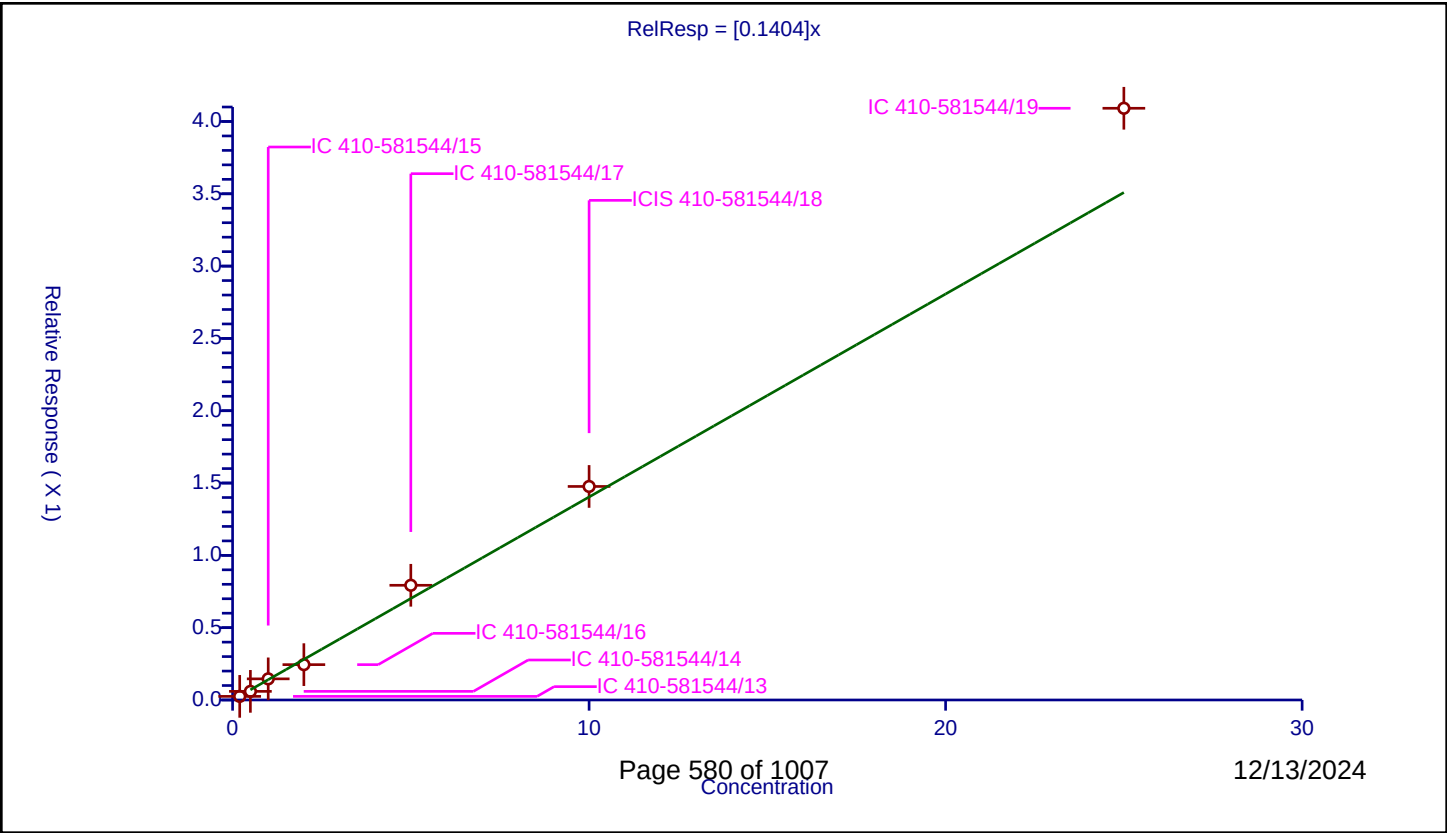
/ Bromoform

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.1404
Error Coefficients	

Relative Standard Deviation: 12.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	0.2	0.024984	9.99966	1466082.0	0.124921	Y
2	IC 410-581544/14	0.5	0.05968	9.99966	1505979.0	0.11936	Y
3	IC 410-581544/15	1.0	0.146065	9.99966	1402135.0	0.146065	Y
4	IC 410-581544/16	2.0	0.244469	9.99966	1541126.0	0.122234	Y
5	IC 410-581544/17	5.0	0.793054	9.99966	1433964.0	0.158611	Y
6	ICIS 410-581544/18	10.0	1.476349	9.99966	1481835.0	0.147635	Y
7	IC 410-581544/19	25.0	4.091311	9.99966	1496577.0	0.163652	Y

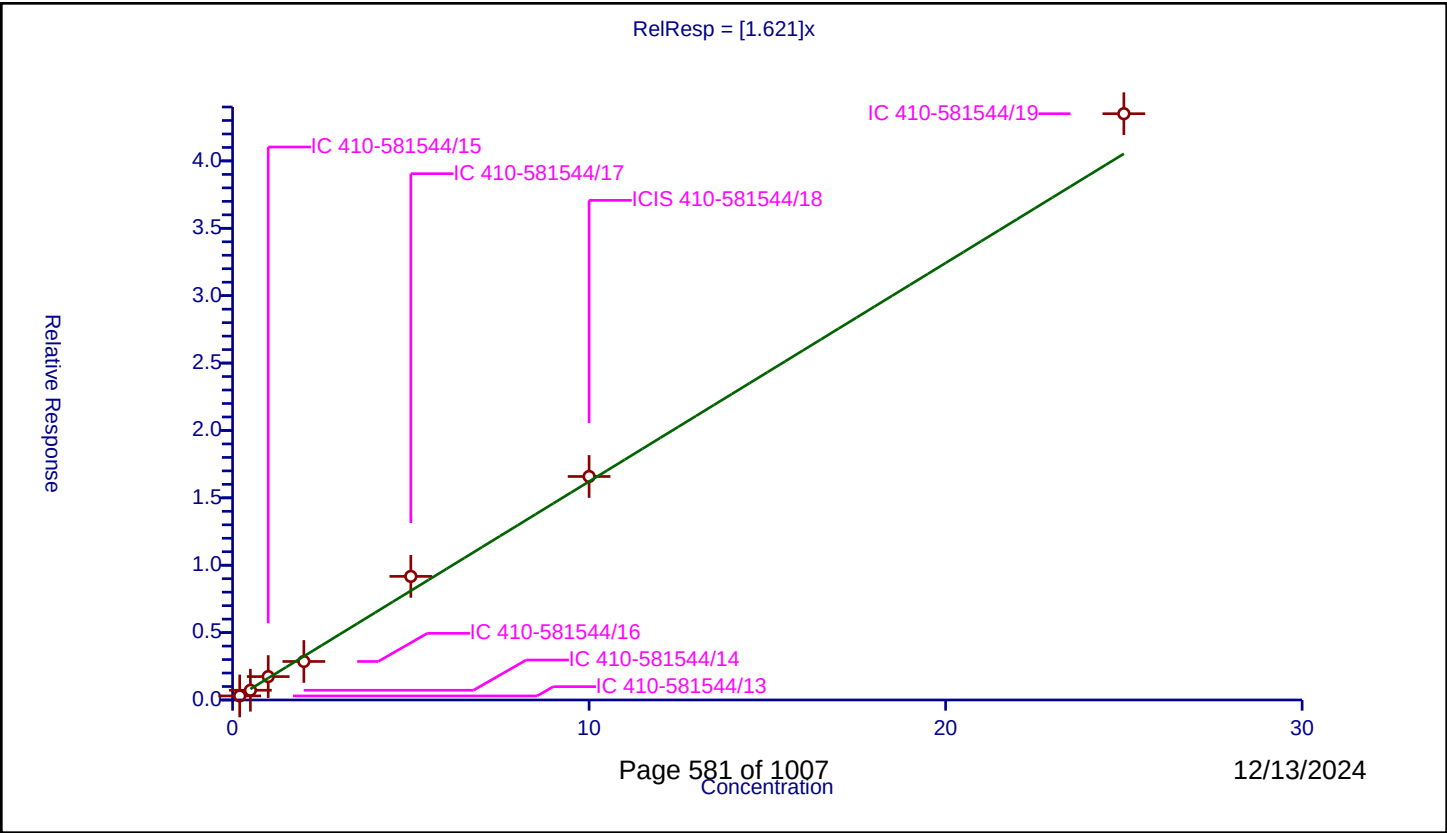


Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.621

Error Coefficients	
Relative Standard Deviation:	9.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	0.2	0.301003	9.99966	1466082.0	1.505015	Y
2	IC 410-581544/14	0.5	0.722223	9.99966	1505979.0	1.444446	Y
3	IC 410-581544/15	1.0	1.737184	9.99966	1402135.0	1.737184	Y
4	IC 410-581544/16	2.0	2.858728	9.99966	1541126.0	1.429364	Y
5	IC 410-581544/17	5.0	9.17199	9.99966	1433964.0	1.834398	Y
6	ICIS 410-581544/18	10.0	16.58438	9.99966	1481835.0	1.658438	Y
7	IC 410-581544/19	25.0	43.502704	9.99966	1496577.0	1.740108	Y



Calibration

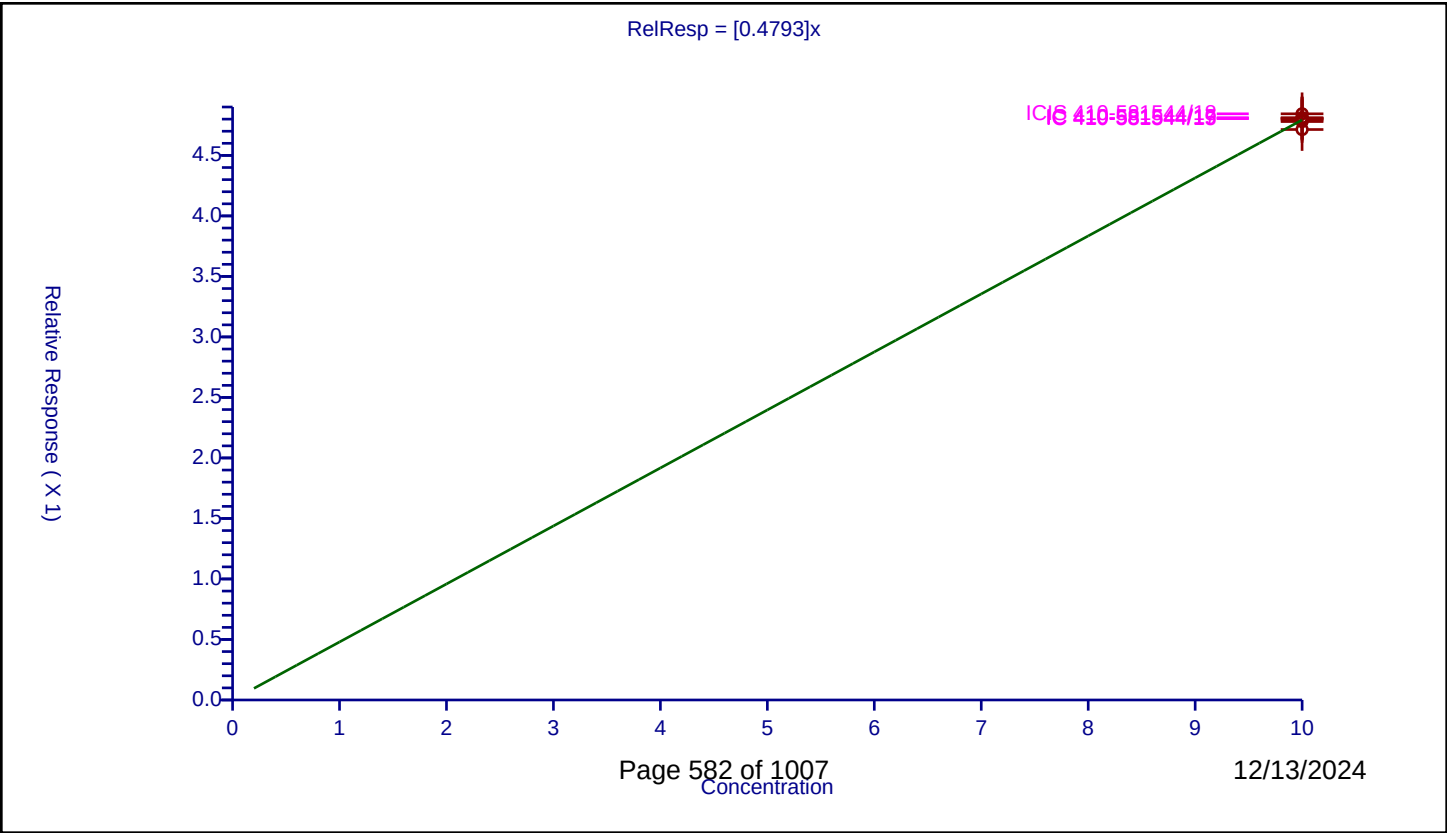
/ 4-Bromofluorobenzene (Surr)

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.4793

Error Coefficients	
Relative Standard Deviation:	0.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	9.99966	4.714092	9.99966	1466082.0	0.471425	Y
2	IC 410-581544/14	9.99966	4.792334	9.99966	1505979.0	0.47925	Y
3	IC 410-581544/15	9.99966	4.804003	9.99966	1402135.0	0.480417	Y
4	IC 410-581544/16	9.99966	4.779985	9.99966	1541126.0	0.478015	Y
5	IC 410-581544/17	9.99966	4.80608	9.99966	1433964.0	0.480624	Y
6	ICIS 410-581544/18	9.99966	4.843735	9.99966	1481835.0	0.48439	Y
7	IC 410-581544/19	9.99966	4.811944	9.99966	1496577.0	0.481211	Y



Calibration

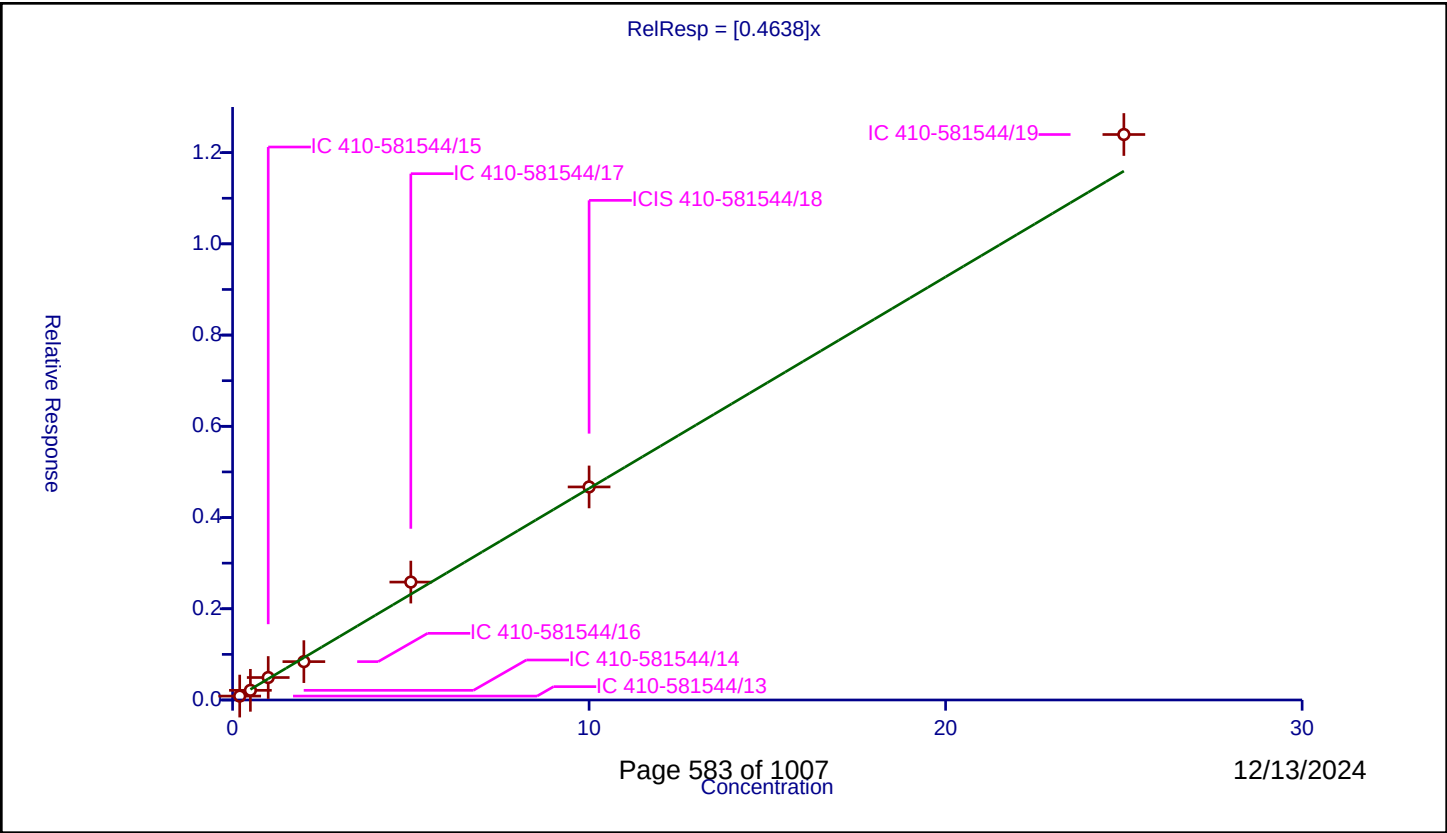
/ 1,1,2,2-Tetrachloroethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.4638
Error Coefficients	

Relative Standard Deviation: 8.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	0.2	0.085795	9.99966	787312.0	0.428977	Y
2	IC 410-581544/14	0.5	0.212212	9.99966	819154.0	0.424423	Y
3	IC 410-581544/15	1.0	0.49261	9.99966	755480.0	0.49261	Y
4	IC 410-581544/16	2.0	0.841253	9.99966	819702.0	0.420626	Y
5	IC 410-581544/17	5.0	2.58494	9.99966	763721.0	0.516988	Y
6	ICIS 410-581544/18	10.0	4.670778	9.99966	792188.0	0.467078	Y
7	IC 410-581544/19	25.0	12.397383	9.99966	784305.0	0.495895	Y



Calibration

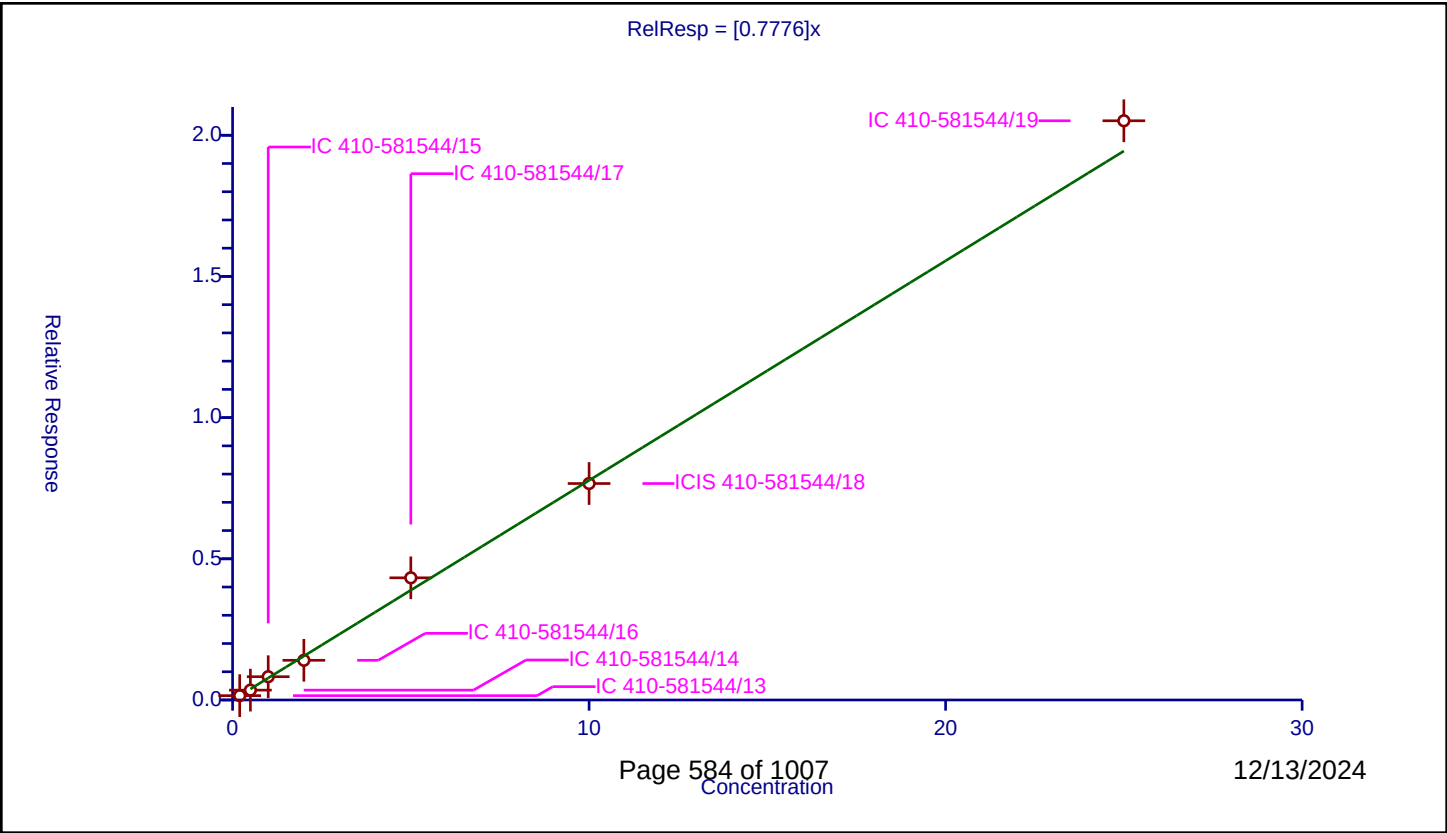
/ Bromobenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.7776
Error Coefficients	

Relative Standard Deviation: 8.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	0.2	0.153136	9.99966	787312.0	0.765681	Y
2	IC 410-581544/14	0.5	0.348848	9.99966	819154.0	0.697696	Y
3	IC 410-581544/15	1.0	0.824521	9.99966	755480.0	0.824521	Y
4	IC 410-581544/16	2.0	1.406036	9.99966	819702.0	0.703018	Y
5	IC 410-581544/17	5.0	4.327035	9.99966	763721.0	0.865407	Y
6	ICIS 410-581544/18	10.0	7.66624	9.99966	792188.0	0.766624	Y
7	IC 410-581544/19	25.0	20.512496	9.99966	784305.0	0.8205	Y



Calibration

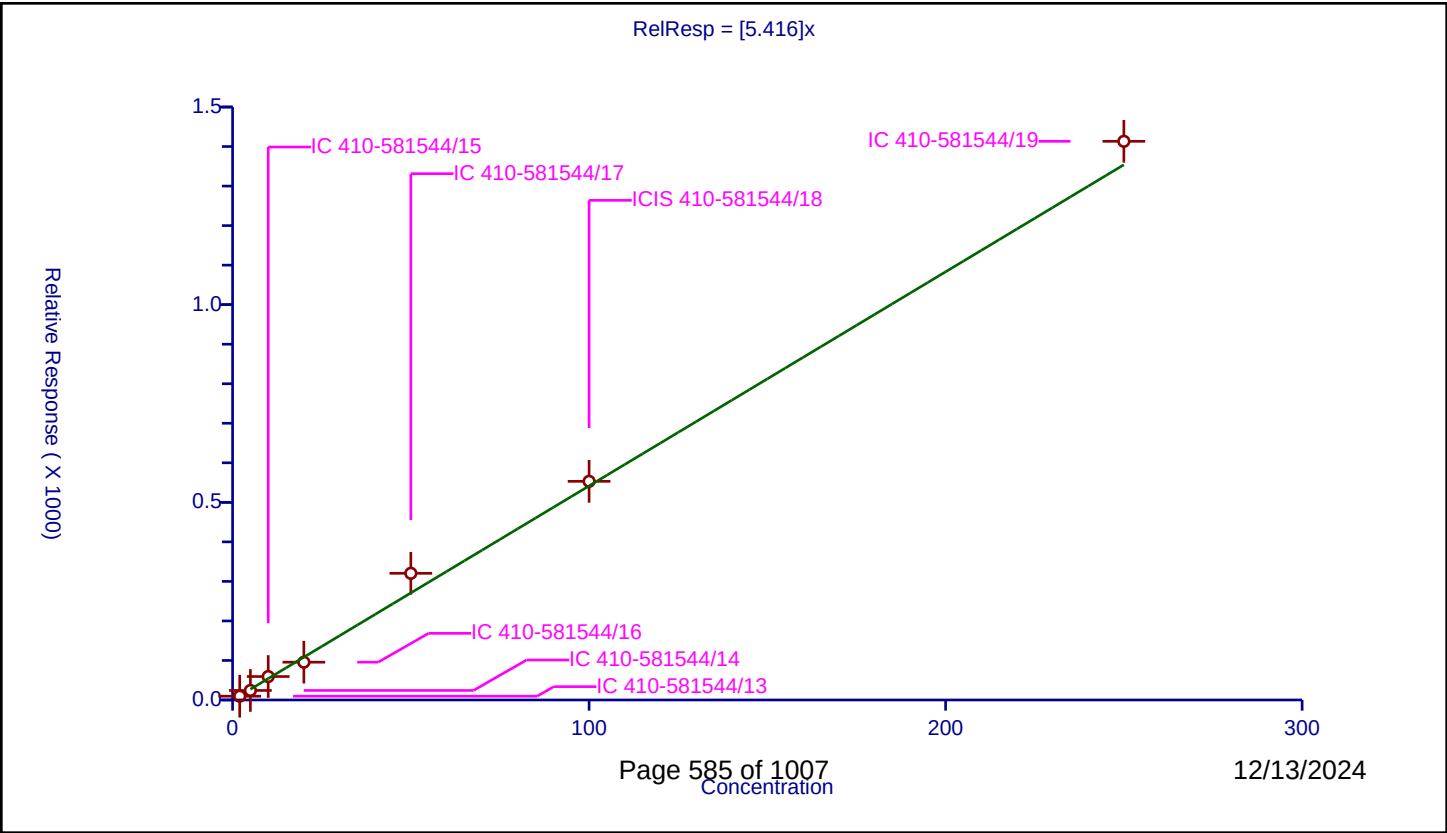
/ trans-1,4-Dichloro-2-butene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	5.416
Error Coefficients	

Relative Standard Deviation: 11.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	2.0	9.549146	49.9983	75156.0	4.774573	Y
2	IC 410-581544/14	5.0	24.119128	49.9983	78234.0	4.823826	Y
3	IC 410-581544/15	10.0	59.347685	49.9983	70537.0	5.934769	Y
4	IC 410-581544/16	20.0	95.648631	49.9983	82323.0	4.782432	Y
5	IC 410-581544/17	50.0	320.460886	49.9983	72915.0	6.409218	Y
6	ICIS 410-581544/18	100.0	553.103477	49.9983	80518.0	5.531035	Y
7	IC 410-581544/19	250.0	1413.279813	49.9983	85355.0	5.653119	Y



Calibration

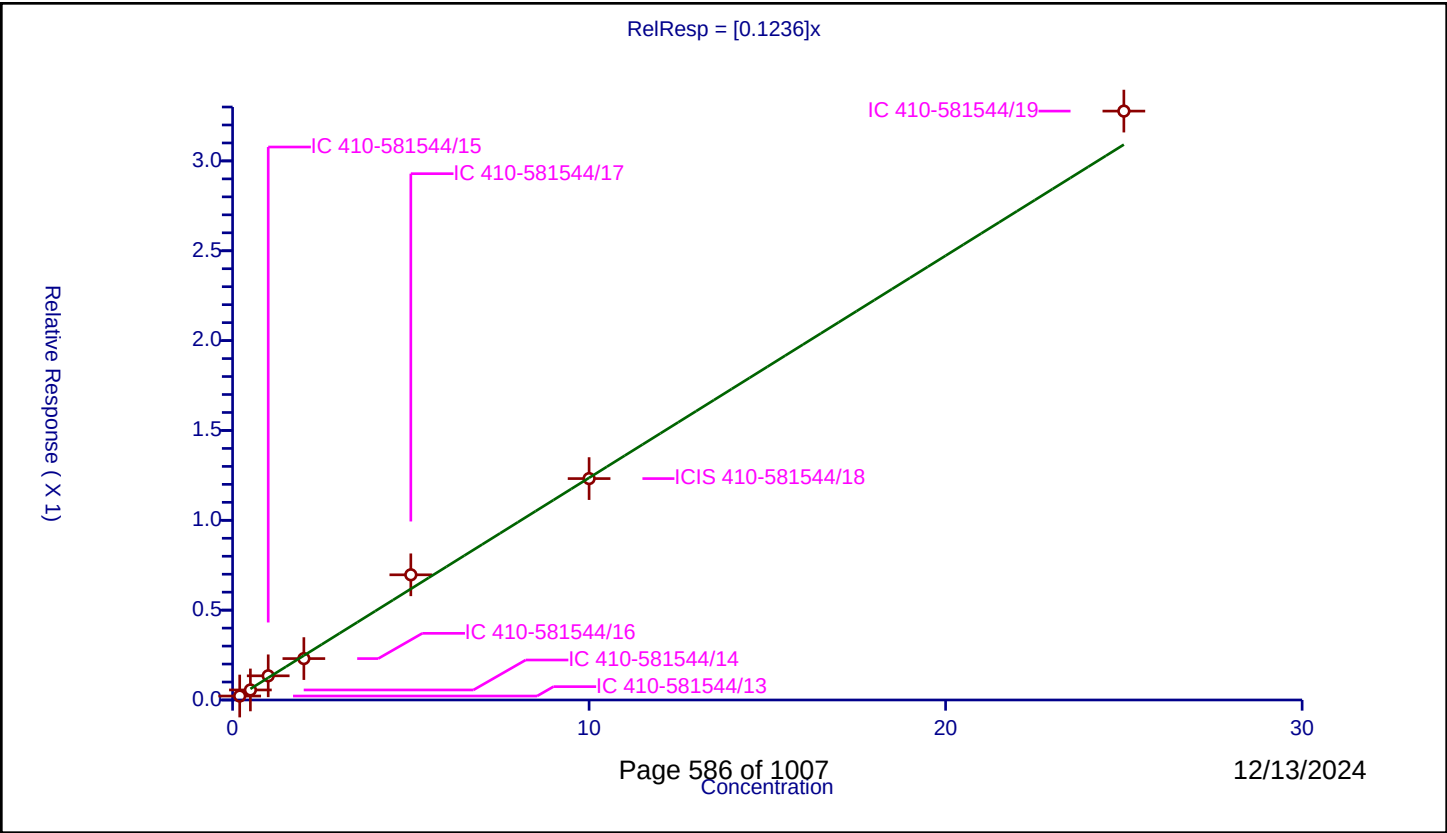
/ 1,2,3-Trichloropropane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.1236
Error Coefficients	

Relative Standard Deviation: 9.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	0.2	0.022087	9.99966	787312.0	0.110435	Y
2	IC 410-581544/14	0.5	0.055861	9.99966	819154.0	0.111721	Y
3	IC 410-581544/15	1.0	0.134479	9.99966	755480.0	0.134479	Y
4	IC 410-581544/16	2.0	0.230332	9.99966	819702.0	0.115166	Y
5	IC 410-581544/17	5.0	0.69671	9.99966	763721.0	0.139342	Y
6	ICIS 410-581544/18	10.0	1.23209	9.99966	792188.0	0.123209	Y
7	IC 410-581544/19	25.0	3.277364	9.99966	784305.0	0.131095	Y



Calibration

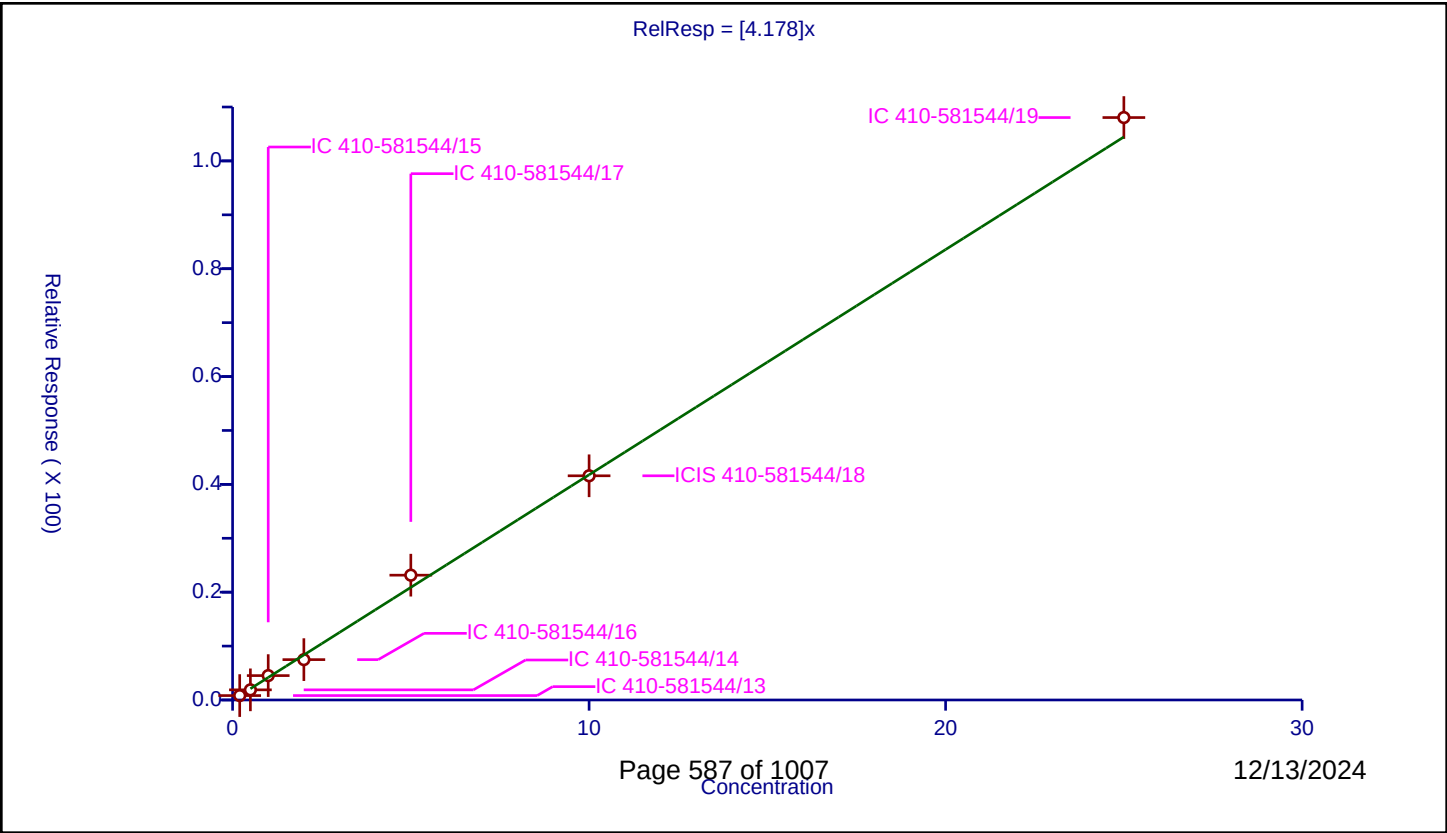
/ N-Propylbenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	4.178
Error Coefficients	

Relative Standard Deviation: 8.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	0.2	0.820943	9.99966	787312.0	4.104713	Y
2	IC 410-581544/14	0.5	1.881109	9.99966	819154.0	3.762217	Y
3	IC 410-581544/15	1.0	4.523672	9.99966	755480.0	4.523672	Y
4	IC 410-581544/16	2.0	7.4866	9.99966	819702.0	3.7433	Y
5	IC 410-581544/17	5.0	23.153008	9.99966	763721.0	4.630602	Y
6	ICIS 410-581544/18	10.0	41.59168	9.99966	792188.0	4.159168	Y
7	IC 410-581544/19	25.0	108.047136	9.99966	784305.0	4.321885	Y

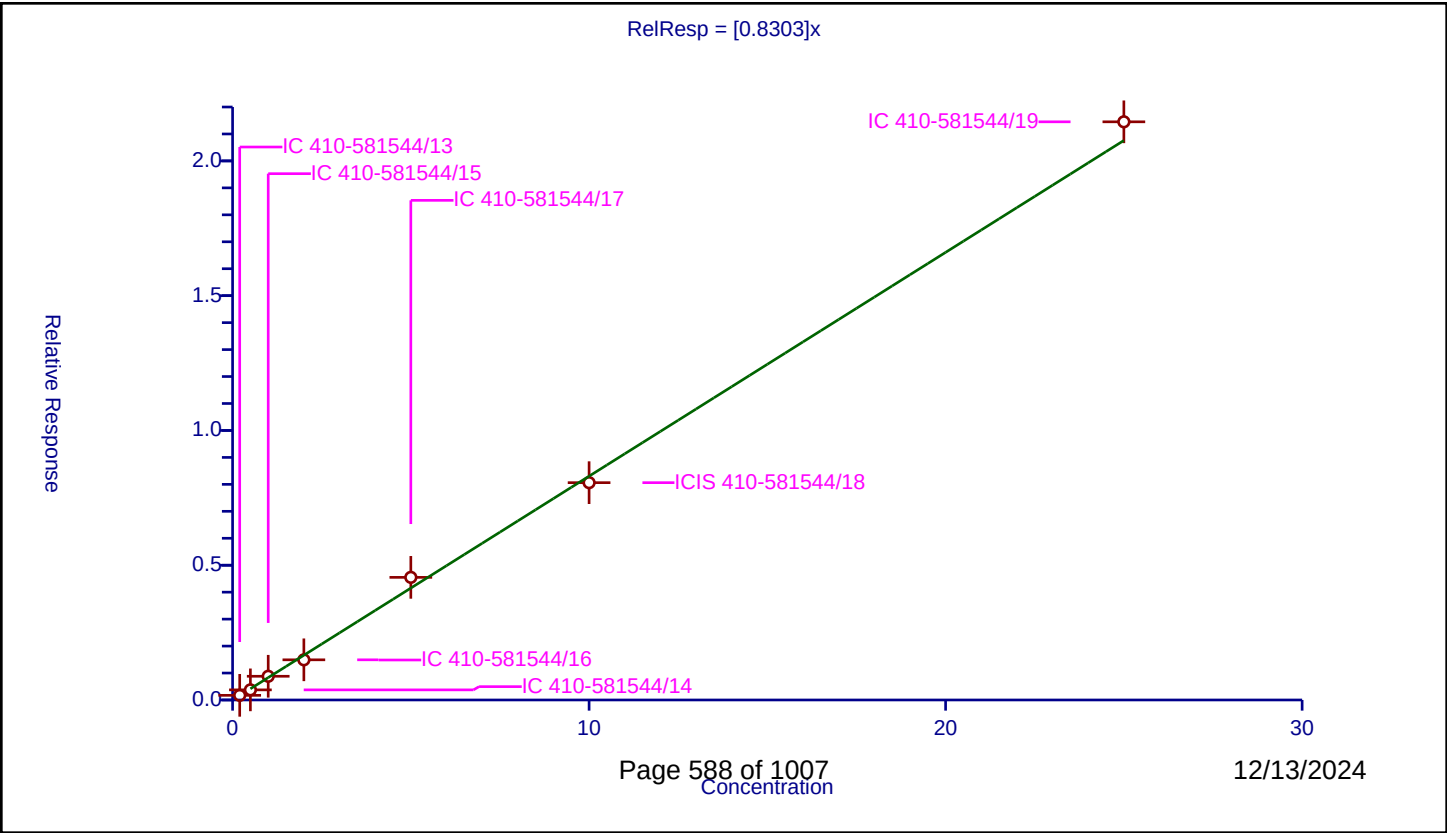


Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.8303
Error Coefficients	

Relative Standard Deviation: 7.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	0.2	0.172442	9.99966	787312.0	0.862208	Y
2	IC 410-581544/14	0.5	0.375631	9.99966	819154.0	0.751262	Y
3	IC 410-581544/15	1.0	0.879676	9.99966	755480.0	0.879676	Y
4	IC 410-581544/16	2.0	1.490101	9.99966	819702.0	0.74505	Y
5	IC 410-581544/17	5.0	4.549543	9.99966	763721.0	0.909909	Y
6	ICIS 410-581544/18	10.0	8.063077	9.99966	792188.0	0.806308	Y
7	IC 410-581544/19	25.0	21.450658	9.99966	784305.0	0.858026	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

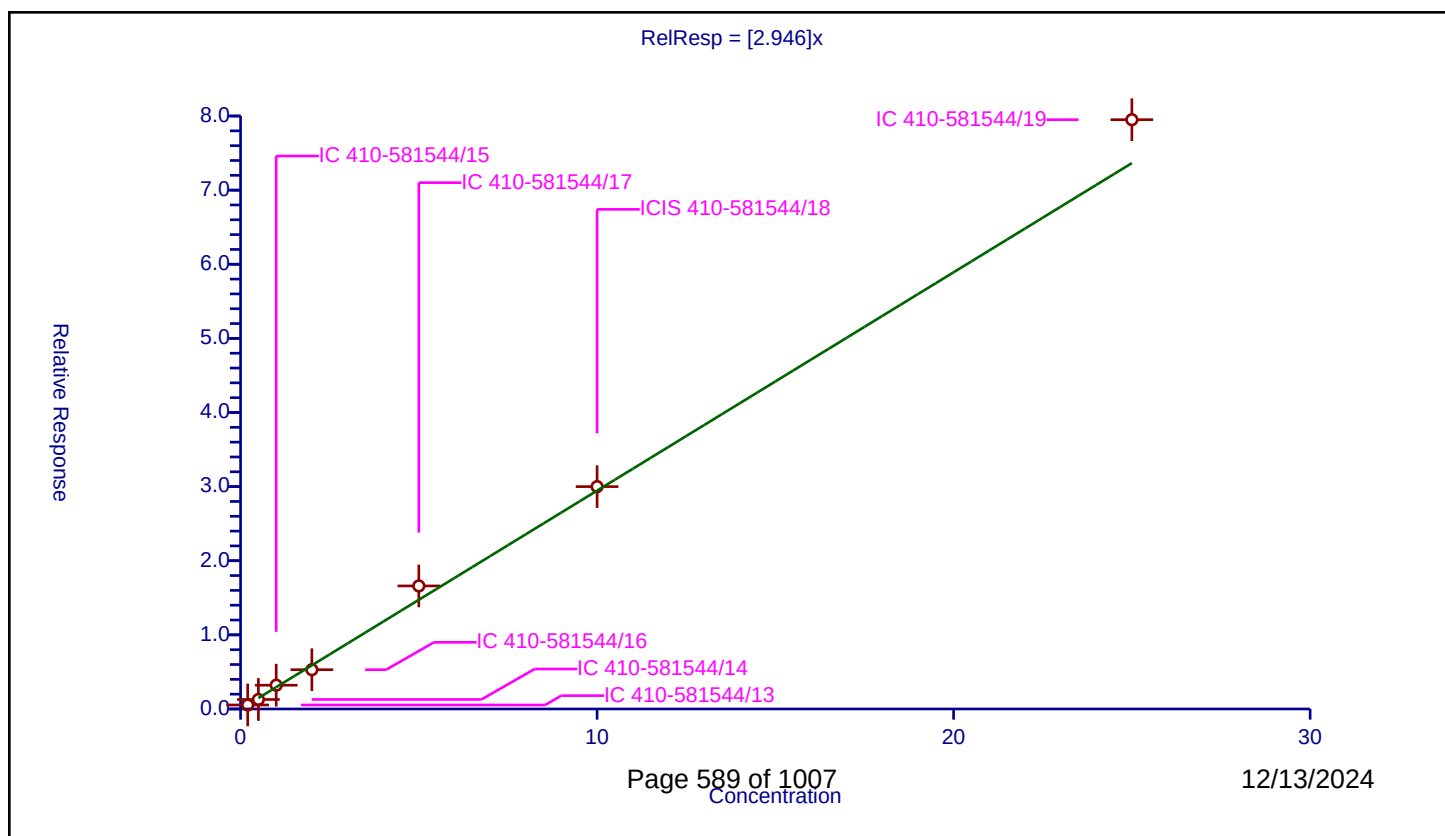
Curve Coefficients

Intercept: 0
Slope: 2.946

Error Coefficients

Relative Standard Deviation: 10.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	0.2	0.54006	9.99966	787312.0	2.700299	Y
2	IC 410-581544/14	0.5	1.282328	9.99966	819154.0	2.564656	Y
3	IC 410-581544/15	1.0	3.205641	9.99966	755480.0	3.205641	Y
4	IC 410-581544/16	2.0	5.300392	9.99966	819702.0	2.650196	Y
5	IC 410-581544/17	5.0	16.600668	9.99966	763721.0	3.320134	Y
6	ICIS 410-581544/18	10.0	29.998803	9.99966	792188.0	2.99988	Y
7	IC 410-581544/19	25.0	79.501928	9.99966	784305.0	3.180077	Y



Calibration

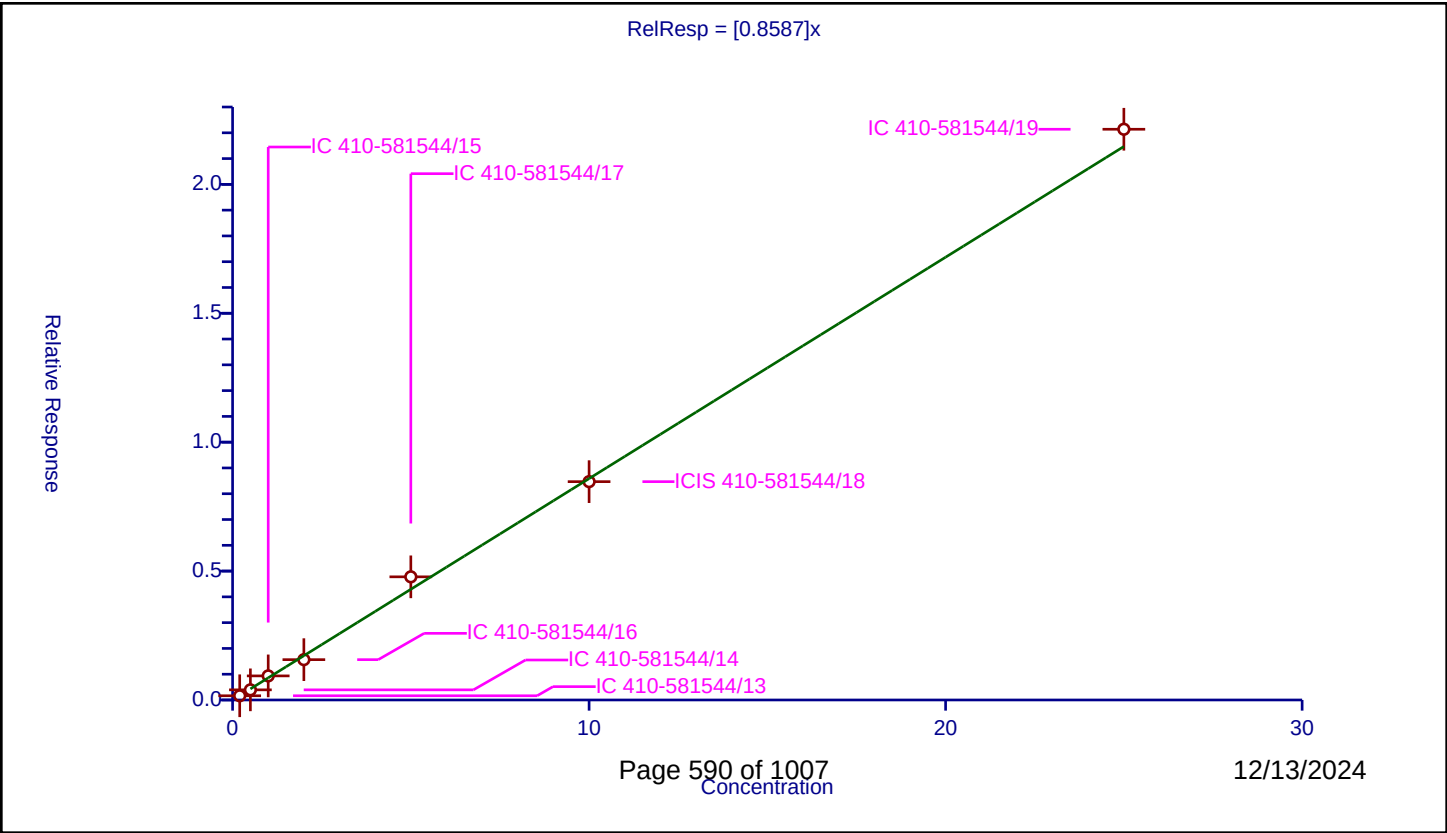
/ 4-Chlorotoluene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.8587
Error Coefficients	

Relative Standard Deviation: 8.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	0.2	0.163919	9.99966	787312.0	0.819596	Y
2	IC 410-581544/14	0.5	0.393612	9.99966	819154.0	0.787224	Y
3	IC 410-581544/15	1.0	0.934606	9.99966	755480.0	0.934606	Y
4	IC 410-581544/16	2.0	1.56393	9.99966	819702.0	0.781965	Y
5	IC 410-581544/17	5.0	4.776608	9.99966	763721.0	0.955322	Y
6	ICIS 410-581544/18	10.0	8.469027	9.99966	792188.0	0.846903	Y
7	IC 410-581544/19	25.0	22.137637	9.99966	784305.0	0.885505	Y



Calibration

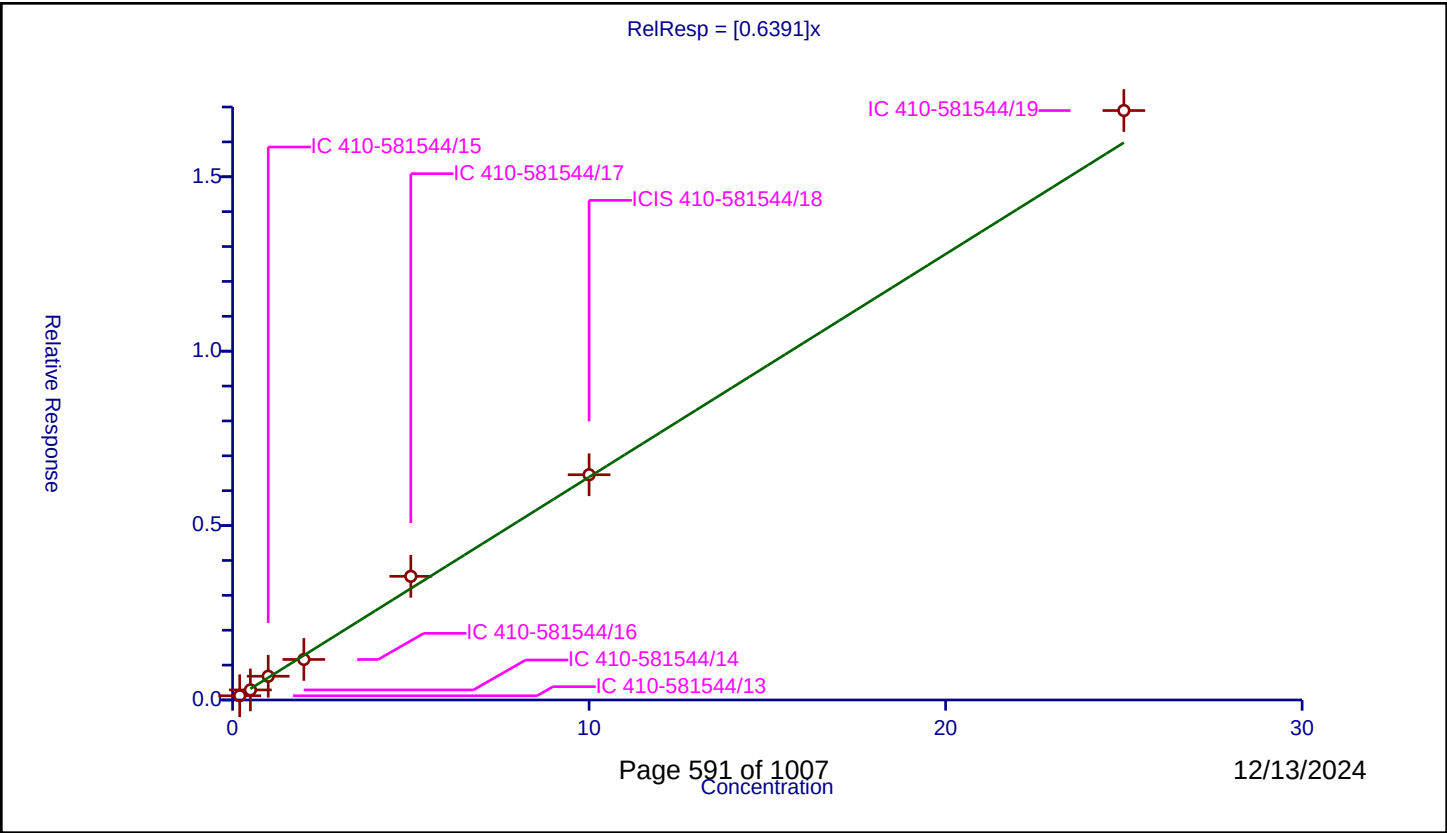
/ tert-Butylbenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.6391
Error Coefficients	

Relative Standard Deviation: 8.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	0.2	0.12085	9.99966	787312.0	0.604251	Y
2	IC 410-581544/14	0.5	0.288263	9.99966	819154.0	0.576526	Y
3	IC 410-581544/15	1.0	0.681411	9.99966	755480.0	0.681411	Y
4	IC 410-581544/16	2.0	1.161785	9.99966	819702.0	0.580893	Y
5	IC 410-581544/17	5.0	3.545703	9.99966	763721.0	0.709141	Y
6	ICIS 410-581544/18	10.0	6.457465	9.99966	792188.0	0.645746	Y
7	IC 410-581544/19	25.0	16.899343	9.99966	784305.0	0.675974	Y

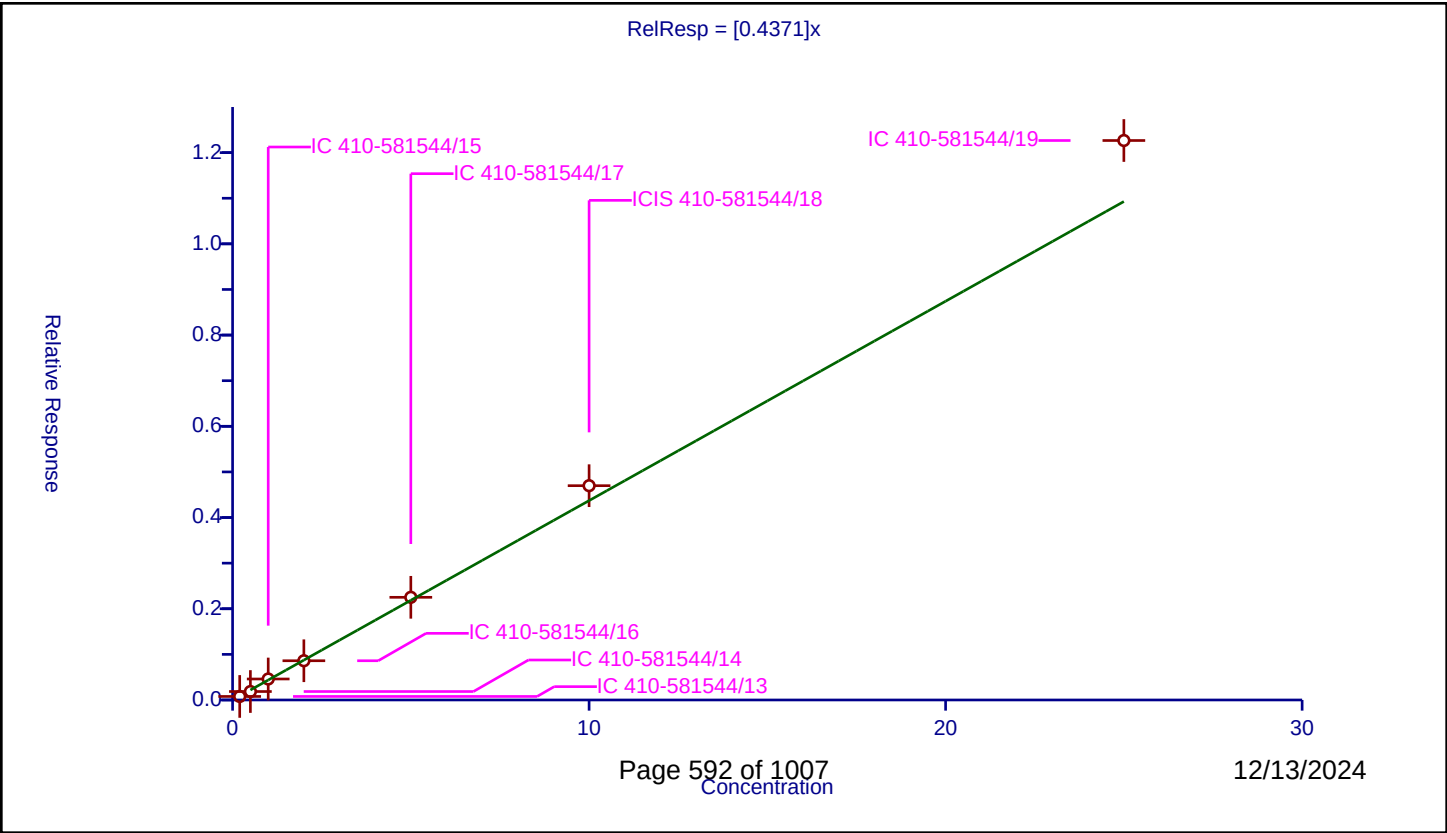


Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.4371
Error Coefficients	

Relative Standard Deviation: 10.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	0.2	0.077413	9.99966	787312.0	0.387063	Y
2	IC 410-581544/14	0.5	0.185661	9.99966	819154.0	0.371322	Y
3	IC 410-581544/15	1.0	0.460645	9.99966	755480.0	0.460645	Y
4	IC 410-581544/16	2.0	0.860149	9.99966	819702.0	0.430075	Y
5	IC 410-581544/17	5.0	2.251361	9.99966	763721.0	0.450272	Y
6	ICIS 410-581544/18	10.0	4.698043	9.99966	792188.0	0.469804	Y
7	IC 410-581544/19	25.0	12.265423	9.99966	784305.0	0.490617	Y



Calibration

/ 1,2,4-Trimethylbenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

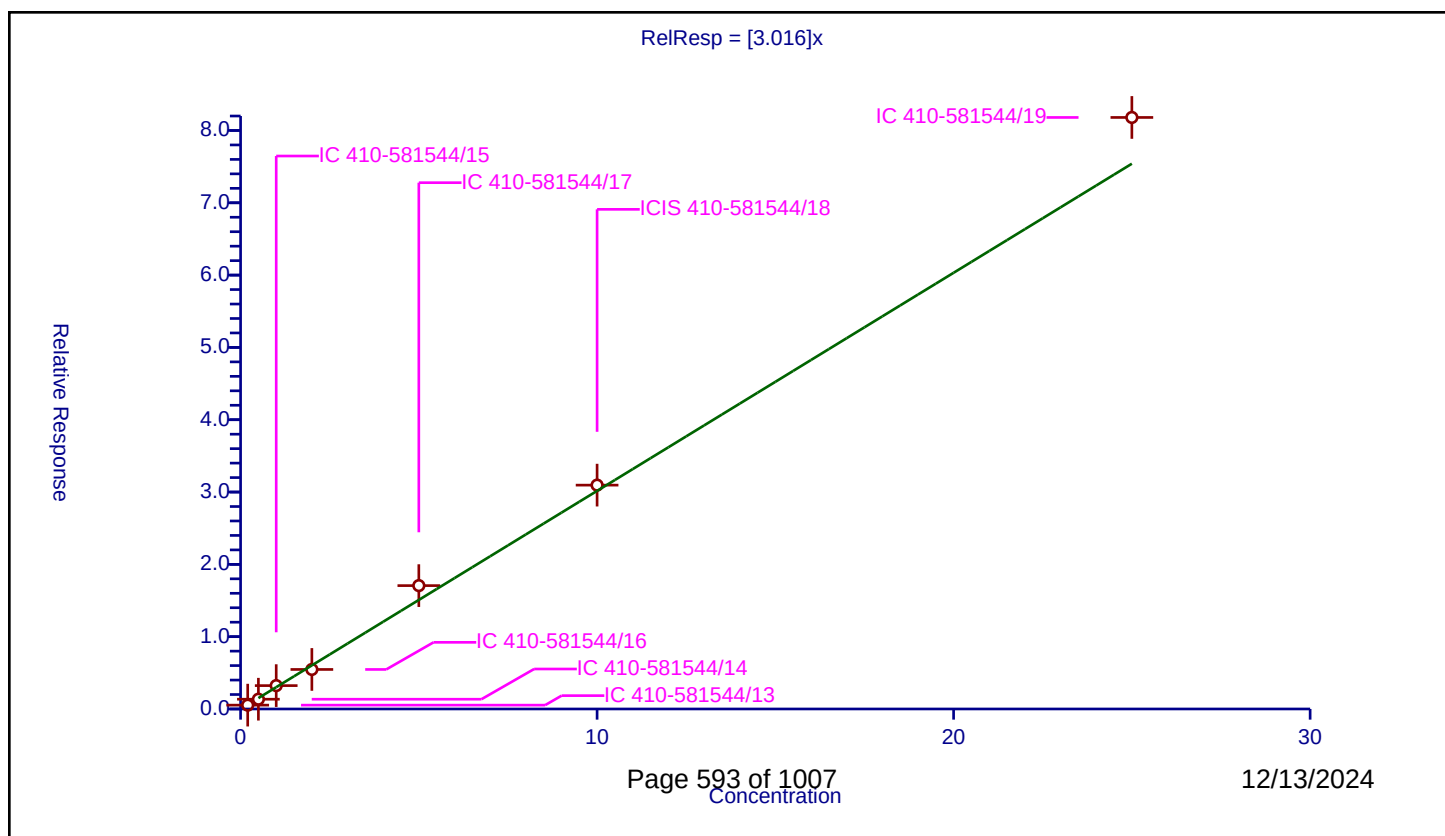
Curve Coefficients

Intercept: 0
Slope: 3.016

Error Coefficients

Relative Standard Deviation: 10.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	0.2	0.532985	9.99966	787312.0	2.664927	Y
2	IC 410-581544/14	0.5	1.35119	9.99966	819154.0	2.702379	Y
3	IC 410-581544/15	1.0	3.232378	9.99966	755480.0	3.232378	Y
4	IC 410-581544/16	2.0	5.465947	9.99966	819702.0	2.732973	Y
5	IC 410-581544/17	5.0	17.062156	9.99966	763721.0	3.412431	Y
6	ICIS 410-581544/18	10.0	30.955122	9.99966	792188.0	3.095512	Y
7	IC 410-581544/19	25.0	81.802358	9.99966	784305.0	3.272094	Y



Calibration

/ sec-Butylbenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

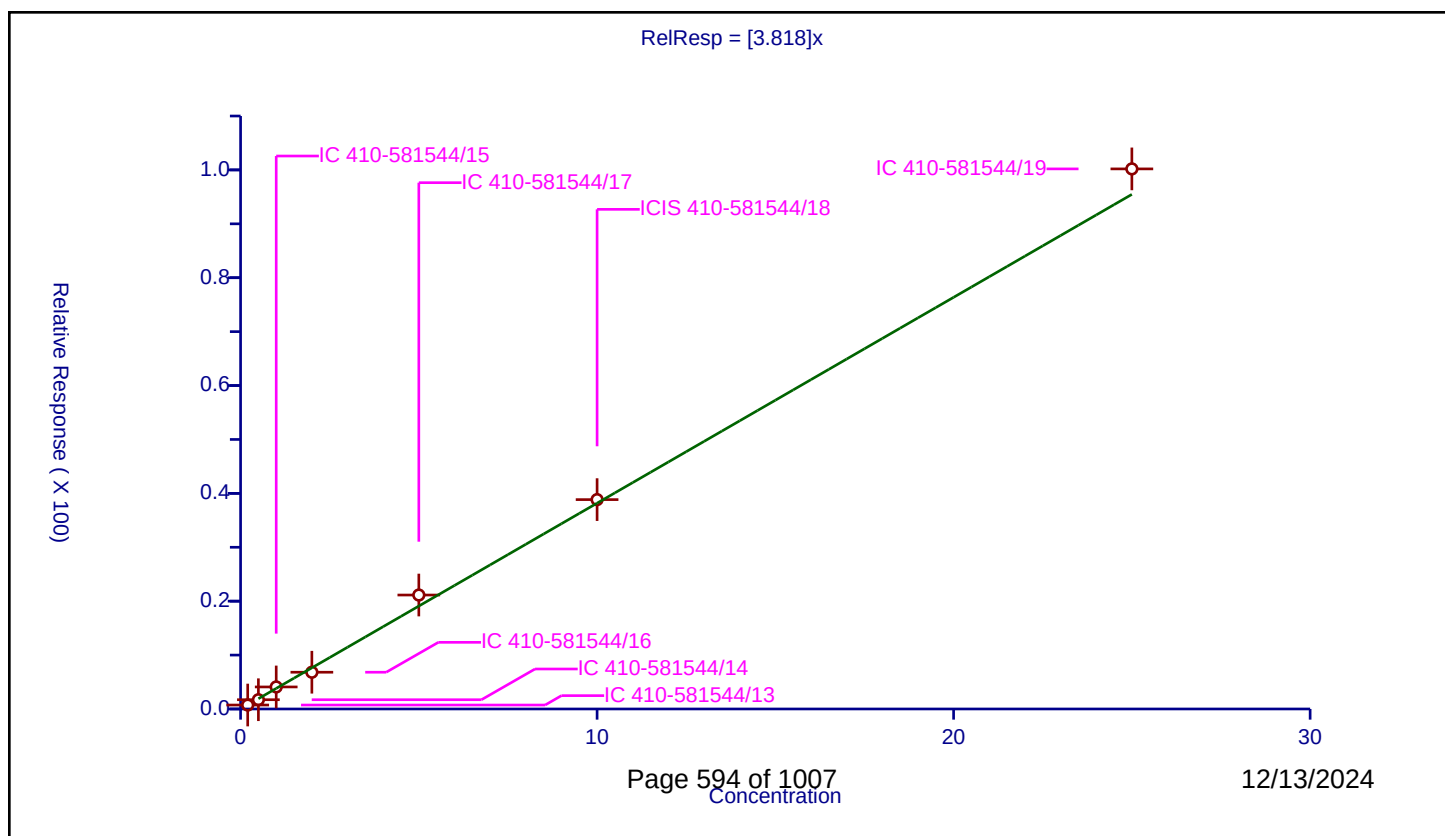
Curve Coefficients

Intercept: 0
Slope: 3.818

Error Coefficients

Relative Standard Deviation: 8.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	0.2	0.734779	9.99966	787312.0	3.673895	Y
2	IC 410-581544/14	0.5	1.717763	9.99966	819154.0	3.435525	Y
3	IC 410-581544/15	1.0	4.090201	9.99966	755480.0	4.090201	Y
4	IC 410-581544/16	2.0	6.818966	9.99966	819702.0	3.409483	Y
5	IC 410-581544/17	5.0	21.140928	9.99966	763721.0	4.228186	Y
6	ICIS 410-581544/18	10.0	38.840356	9.99966	792188.0	3.884036	Y
7	IC 410-581544/19	25.0	100.192066	9.99966	784305.0	4.007683	Y

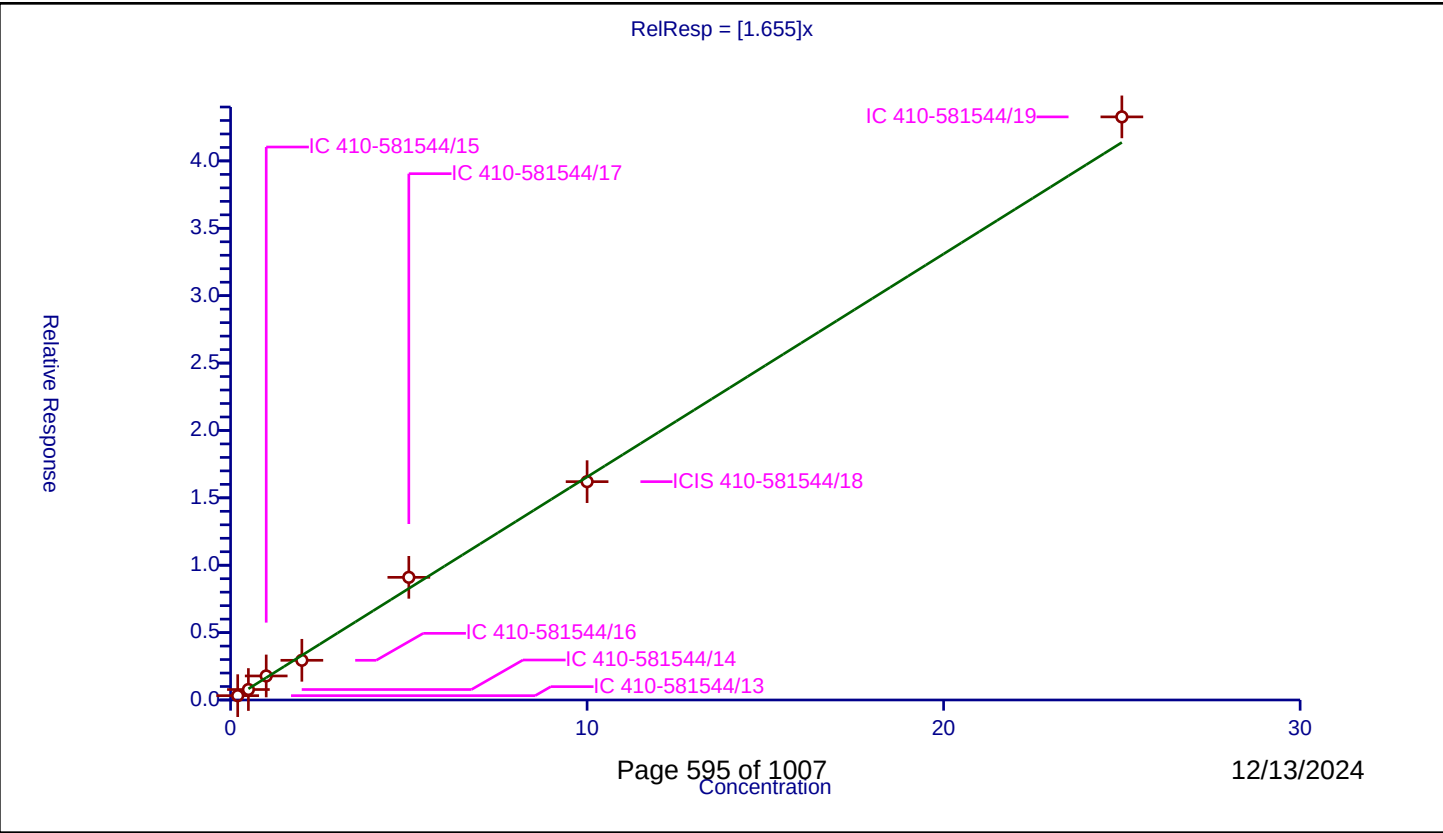


Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.655
Error Coefficients	

Relative Standard Deviation: 7.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	0.2	0.320853	9.99966	787312.0	1.604265	Y
2	IC 410-581544/14	0.5	0.776311	9.99966	819154.0	1.552622	Y
3	IC 410-581544/15	1.0	1.78356	9.99966	755480.0	1.78356	Y
4	IC 410-581544/16	2.0	2.945726	9.99966	819702.0	1.472863	Y
5	IC 410-581544/17	5.0	9.101404	9.99966	763721.0	1.820281	Y
6	ICIS 410-581544/18	10.0	16.200149	9.99966	792188.0	1.620015	Y
7	IC 410-581544/19	25.0	43.266964	9.99966	784305.0	1.730679	Y



Calibration

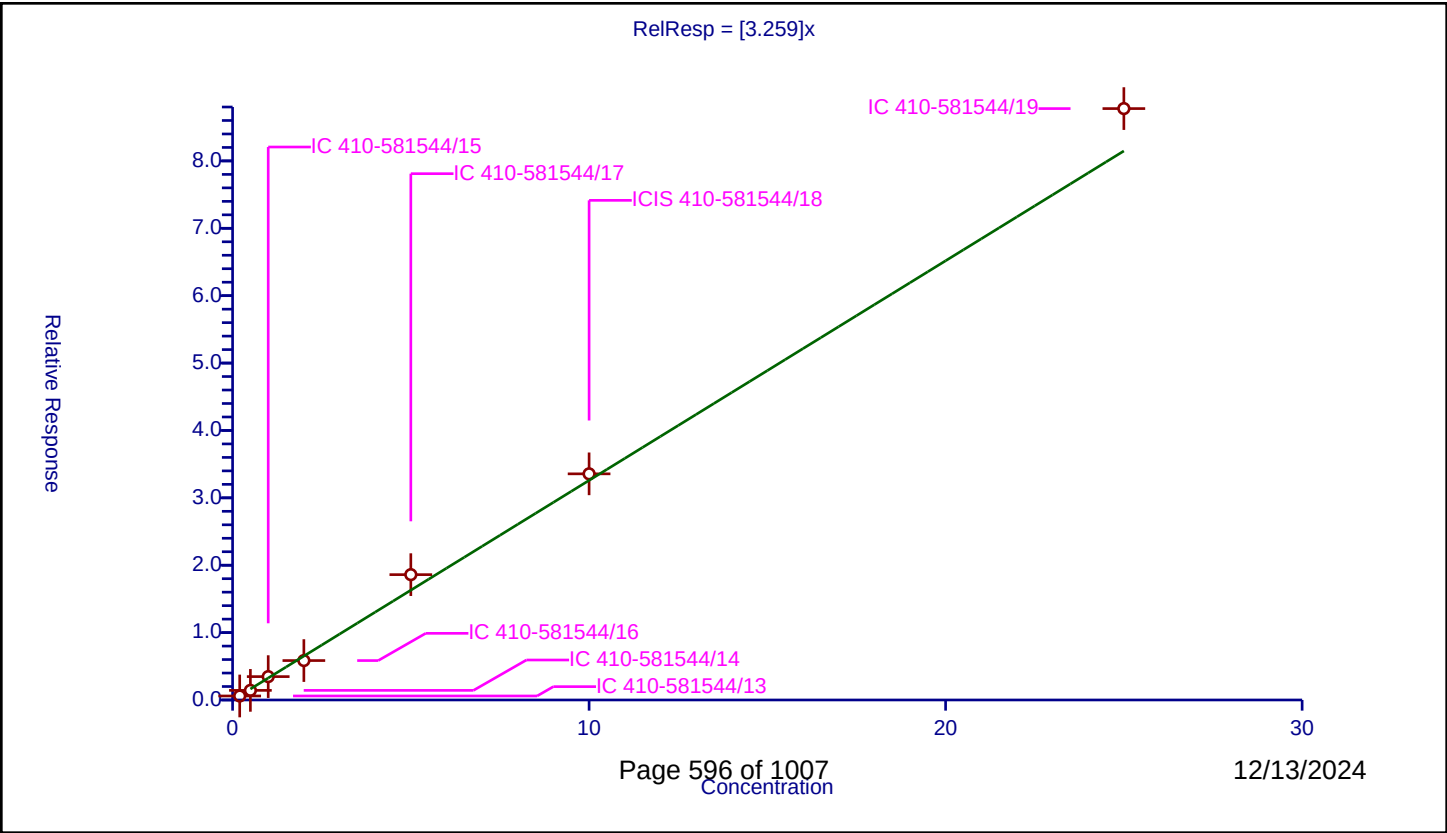
/ 4-Isopropyltoluene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	3.259
Error Coefficients	

Relative Standard Deviation: 10.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	0.2	0.596401	9.99966	787312.0	2.982007	Y
2	IC 410-581544/14	0.5	1.425837	9.99966	819154.0	2.851675	Y
3	IC 410-581544/15	1.0	3.467069	9.99966	755480.0	3.467069	Y
4	IC 410-581544/16	2.0	5.84983	9.99966	819702.0	2.924915	Y
5	IC 410-581544/17	5.0	18.602077	9.99966	763721.0	3.720415	Y
6	ICIS 410-581544/18	10.0	33.563101	9.99966	792188.0	3.35631	Y
7	IC 410-581544/19	25.0	87.767615	9.99966	784305.0	3.510705	Y



Calibration

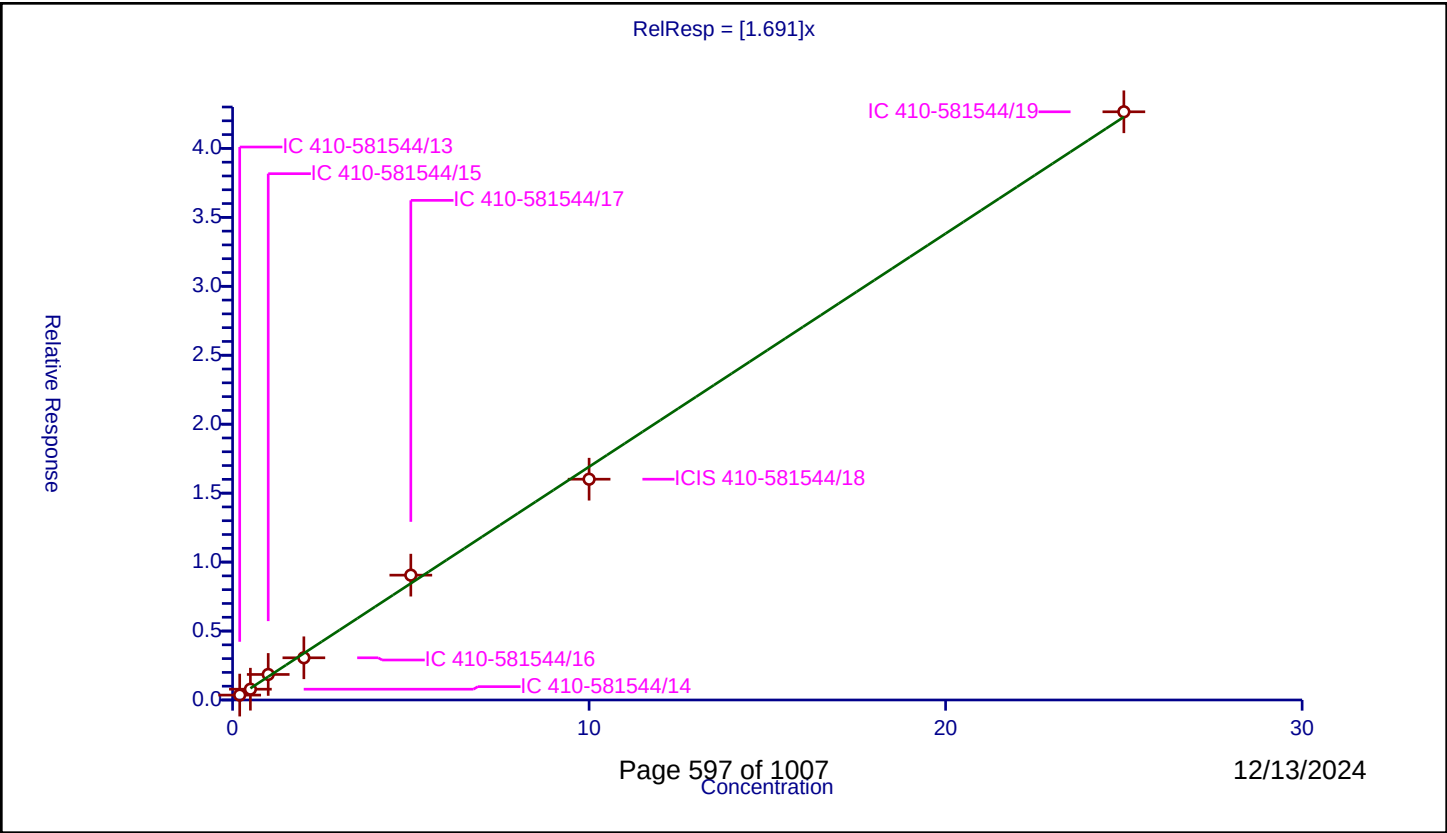
/ 1,4-Dichlorobenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.691
Error Coefficients	

Relative Standard Deviation: 7.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	0.2	0.354523	9.99966	787312.0	1.772617	Y
2	IC 410-581544/14	0.5	0.78272	9.99966	819154.0	1.56544	Y
3	IC 410-581544/15	1.0	1.85219	9.99966	755480.0	1.85219	Y
4	IC 410-581544/16	2.0	3.060411	9.99966	819702.0	1.530205	Y
5	IC 410-581544/17	5.0	9.05199	9.99966	763721.0	1.810398	Y
6	ICIS 410-581544/18	10.0	16.009771	9.99966	792188.0	1.600977	Y
7	IC 410-581544/19	25.0	42.653792	9.99966	784305.0	1.706152	Y



Calibration

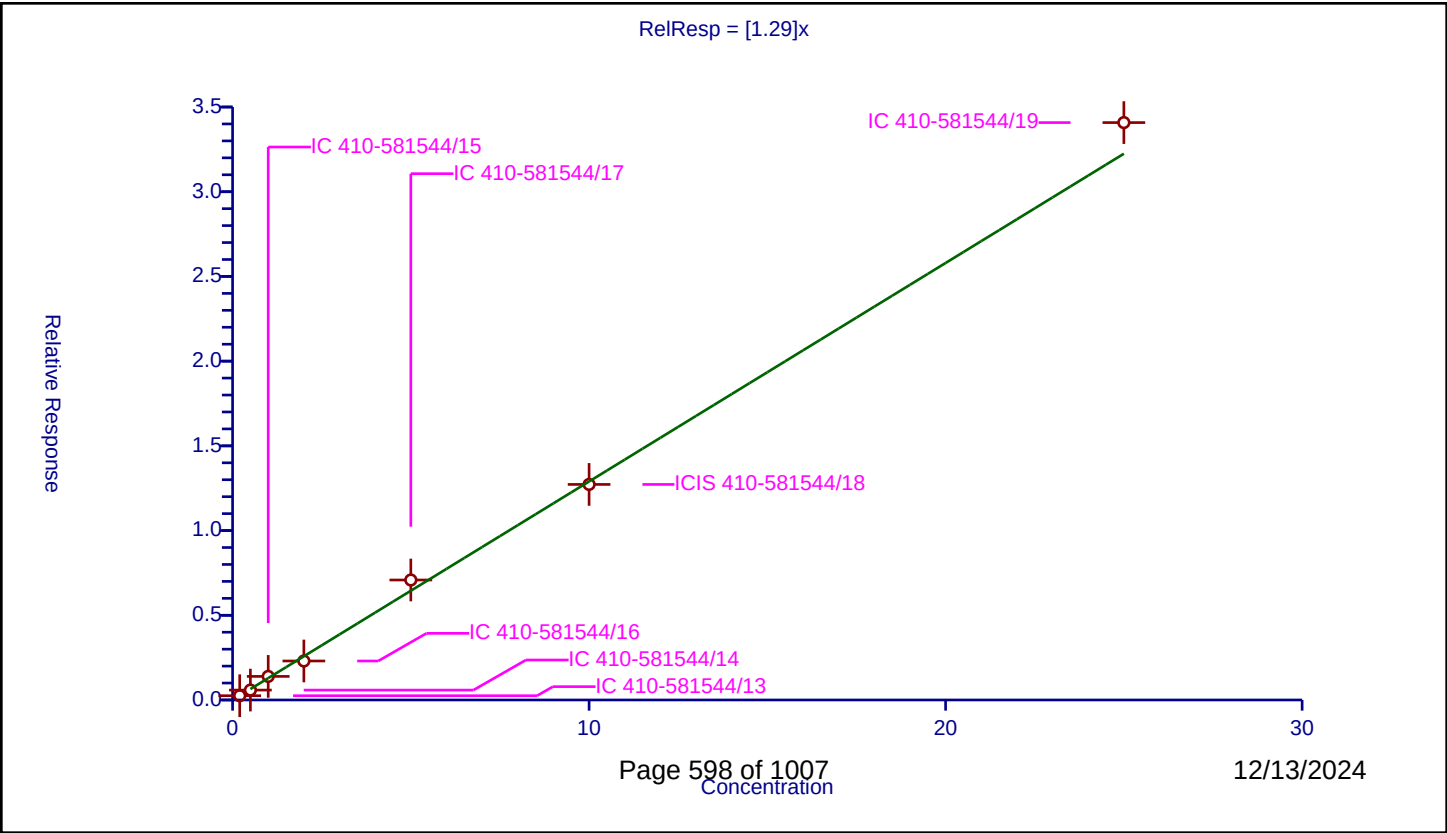
/ 1,2,3-Trimethylbenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.29
Error Coefficients	

Relative Standard Deviation: 8.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	0.2	0.252788	9.99966	787312.0	1.263941	Y
2	IC 410-581544/14	0.5	0.58418	9.99966	819154.0	1.168361	Y
3	IC 410-581544/15	1.0	1.392961	9.99966	755480.0	1.392961	Y
4	IC 410-581544/16	2.0	2.301417	9.99966	819702.0	1.150708	Y
5	IC 410-581544/17	5.0	7.082071	9.99966	763721.0	1.416414	Y
6	ICIS 410-581544/18	10.0	12.724022	9.99966	792188.0	1.272402	Y
7	IC 410-581544/19	25.0	34.080429	9.99966	784305.0	1.363217	Y



Calibration

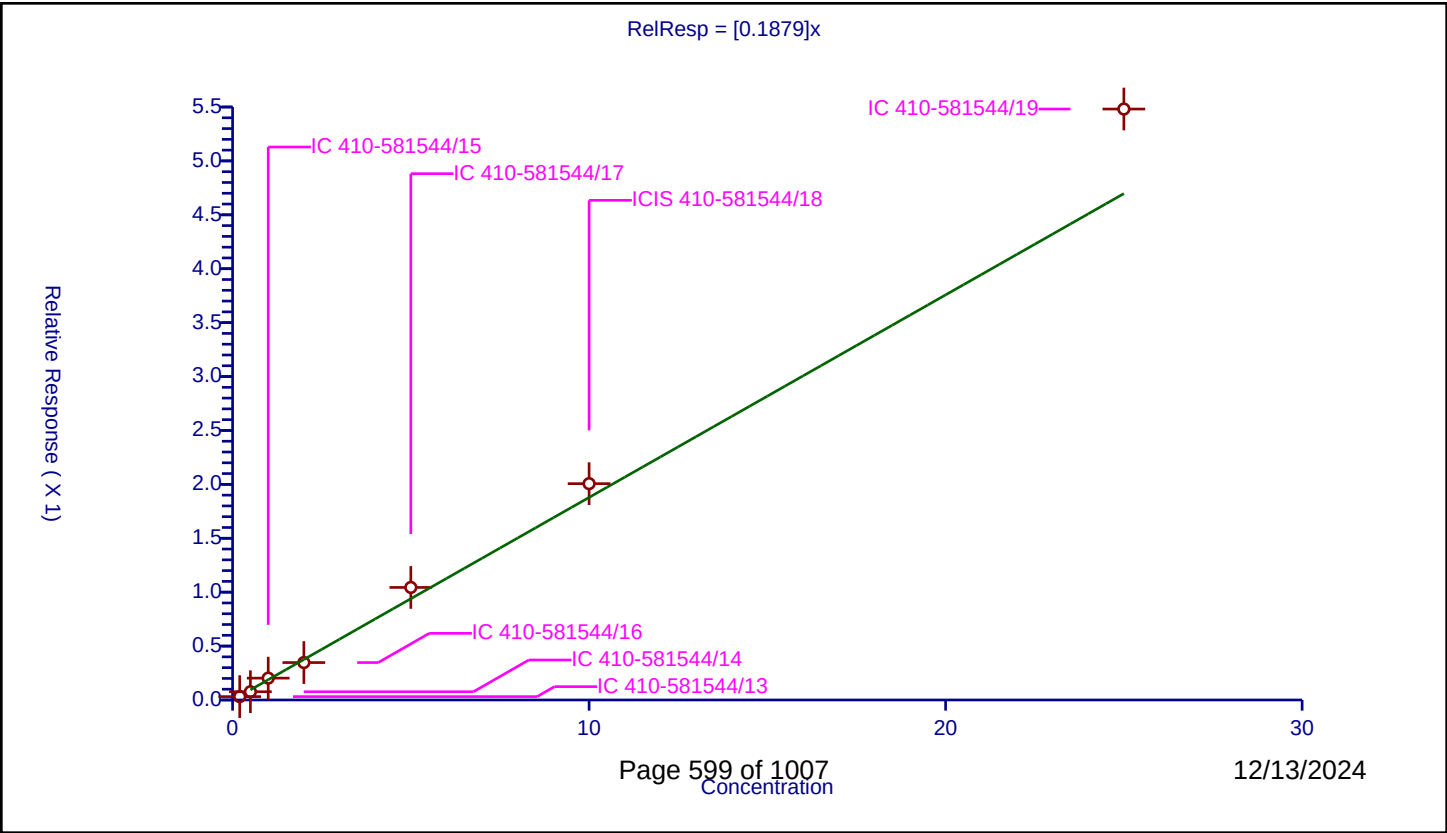
/ Benzyl chloride

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.1879
Error Coefficients	

Relative Standard Deviation: 14.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	0.2	0.031333	9.99966	787312.0	0.156667	Y
2	IC 410-581544/14	0.5	0.076674	9.99966	819154.0	0.153348	Y
3	IC 410-581544/15	1.0	0.202805	9.99966	755480.0	0.202805	Y
4	IC 410-581544/16	2.0	0.347139	9.99966	819702.0	0.173569	Y
5	IC 410-581544/17	5.0	1.043985	9.99966	763721.0	0.208797	Y
6	ICIS 410-581544/18	10.0	2.00664	9.99966	792188.0	0.200664	Y
7	IC 410-581544/19	25.0	5.481278	9.99966	784305.0	0.219251	Y



Calibration

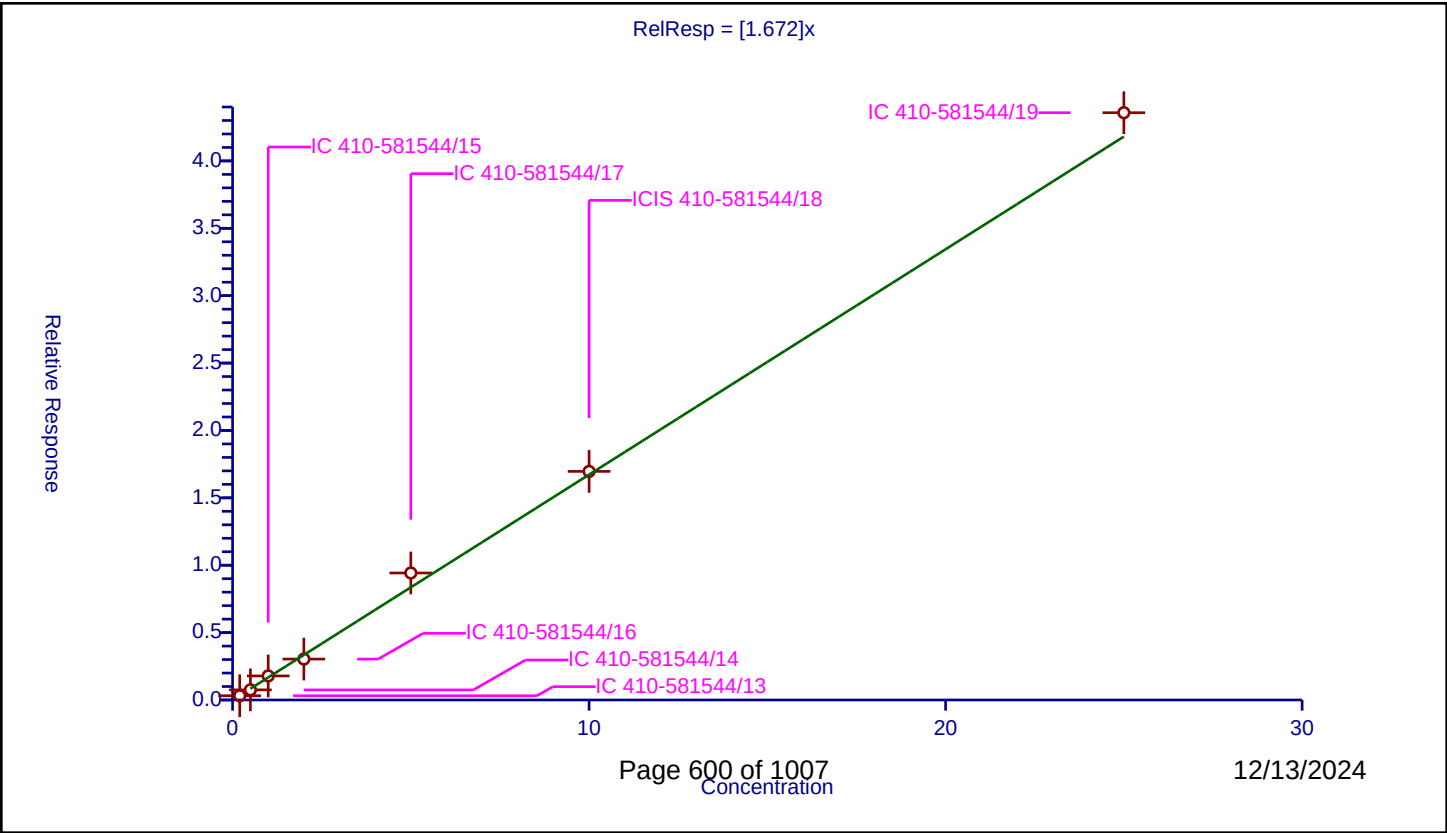
/ n-Butylbenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.672
Error Coefficients	

Relative Standard Deviation: 8.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	0.2	0.315112	9.99966	787312.0	1.575561	Y
2	IC 410-581544/14	0.5	0.750871	9.99966	819154.0	1.501742	Y
3	IC 410-581544/15	1.0	1.785612	9.99966	755480.0	1.785612	Y
4	IC 410-581544/16	2.0	3.036683	9.99966	819702.0	1.518342	Y
5	IC 410-581544/17	5.0	9.423789	9.99966	763721.0	1.884758	Y
6	ICIS 410-581544/18	10.0	16.962442	9.99966	792188.0	1.696244	Y
7	IC 410-581544/19	25.0	43.578529	9.99966	784305.0	1.743141	Y



Calibration

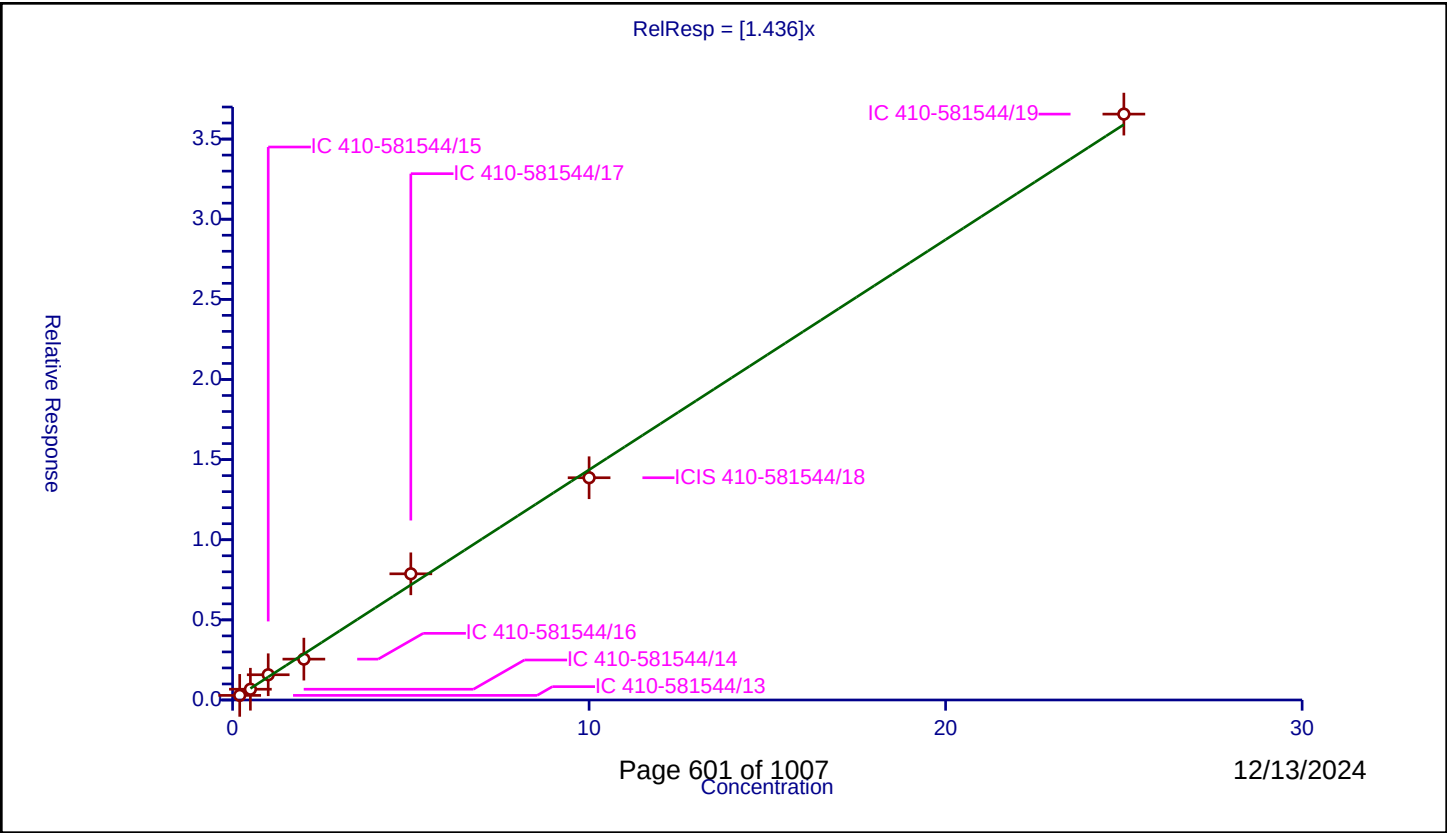
/ 1,2-Dichlorobenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.436
Error Coefficients	

Relative Standard Deviation: 7.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	0.2	0.287068	9.99966	787312.0	1.435341	Y
2	IC 410-581544/14	0.5	0.672207	9.99966	819154.0	1.344415	Y
3	IC 410-581544/15	1.0	1.575117	9.99966	755480.0	1.575117	Y
4	IC 410-581544/16	2.0	2.550304	9.99966	819702.0	1.275152	Y
5	IC 410-581544/17	5.0	7.872136	9.99966	763721.0	1.574427	Y
6	ICIS 410-581544/18	10.0	13.867764	9.99966	792188.0	1.386776	Y
7	IC 410-581544/19	25.0	36.557404	9.99966	784305.0	1.462296	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

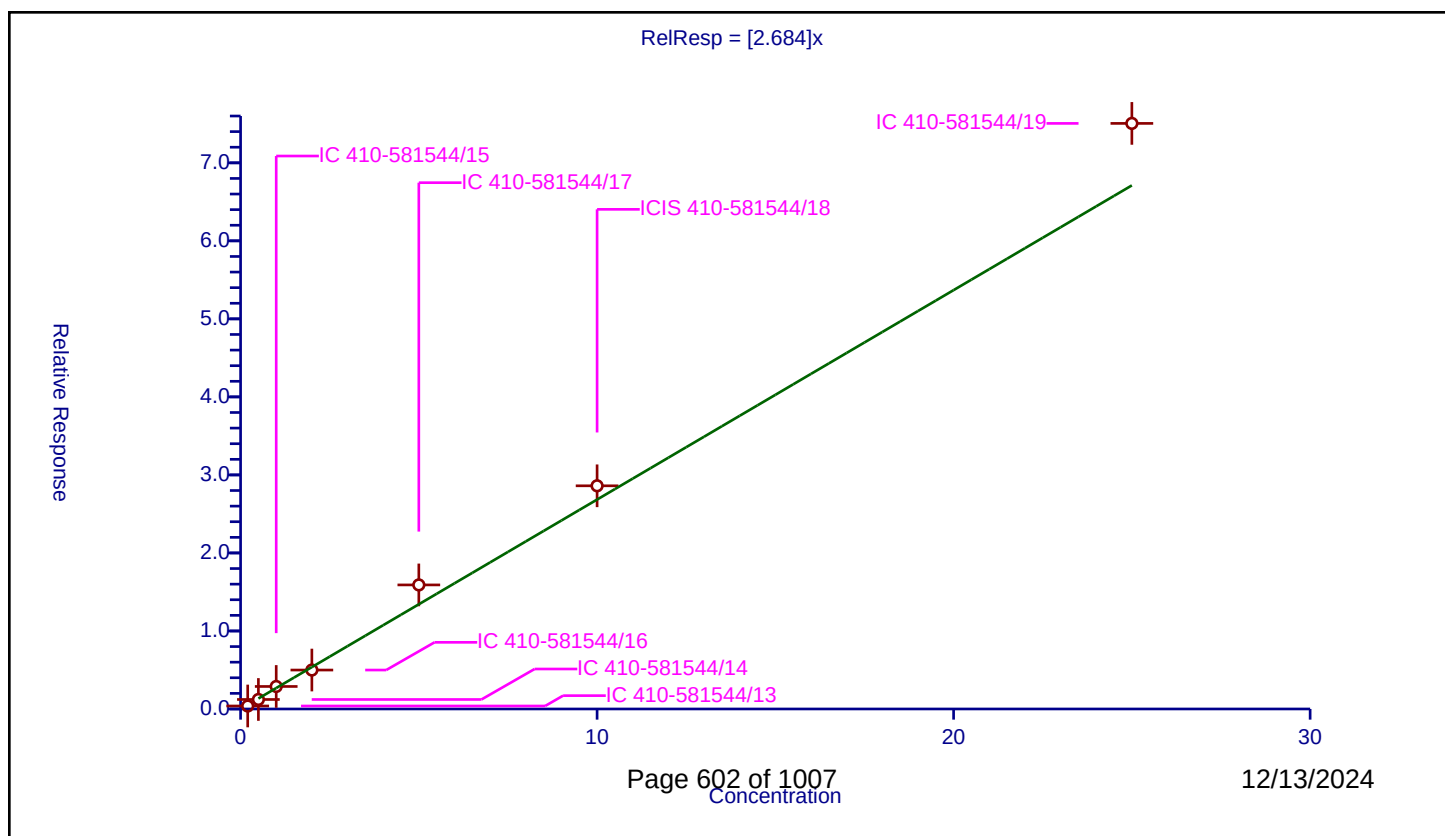
Curve Coefficients

Intercept: 0
Slope: 2.684

Error Coefficients

Relative Standard Deviation: 15.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	0.2	0.385851	49.9983	75156.0	1.929255	Y
2	IC 410-581544/14	0.5	1.218099	49.9983	78234.0	2.436198	Y
3	IC 410-581544/15	1.0	2.884913	49.9983	70537.0	2.884913	Y
4	IC 410-581544/16	2.0	4.992967	49.9983	82323.0	2.496484	Y
5	IC 410-581544/17	5.0	15.902909	49.9983	72915.0	3.180582	Y
6	ICIS 410-581544/18	10.0	28.603811	49.9983	80518.0	2.860381	Y
7	IC 410-581544/19	25.0	75.051634	49.9983	85355.0	3.002065	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

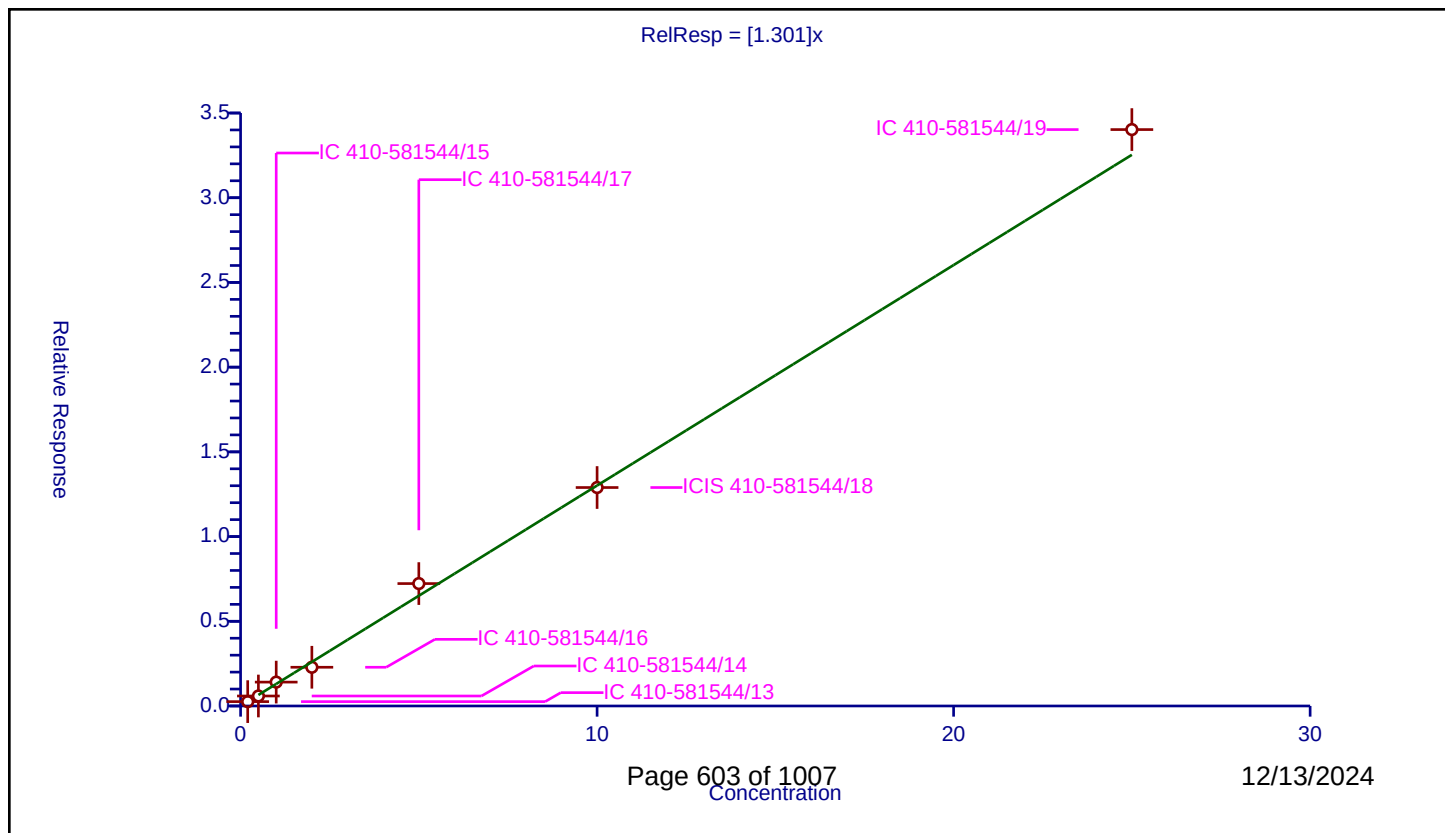
Curve Coefficients

Intercept: 0
 Slope: 1.301

Error Coefficients

Relative Standard Deviation: 8.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	0.2	0.256624	9.99966	787312.0	1.28312	Y
2	IC 410-581544/14	0.5	0.588905	9.99966	819154.0	1.177809	Y
3	IC 410-581544/15	1.0	1.409453	9.99966	755480.0	1.409453	Y
4	IC 410-581544/16	2.0	2.286448	9.99966	819702.0	1.143224	Y
5	IC 410-581544/17	5.0	7.224644	9.99966	763721.0	1.444929	Y
6	ICIS 410-581544/18	10.0	12.895187	9.99966	792188.0	1.289519	Y
7	IC 410-581544/19	25.0	34.022826	9.99966	784305.0	1.360913	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

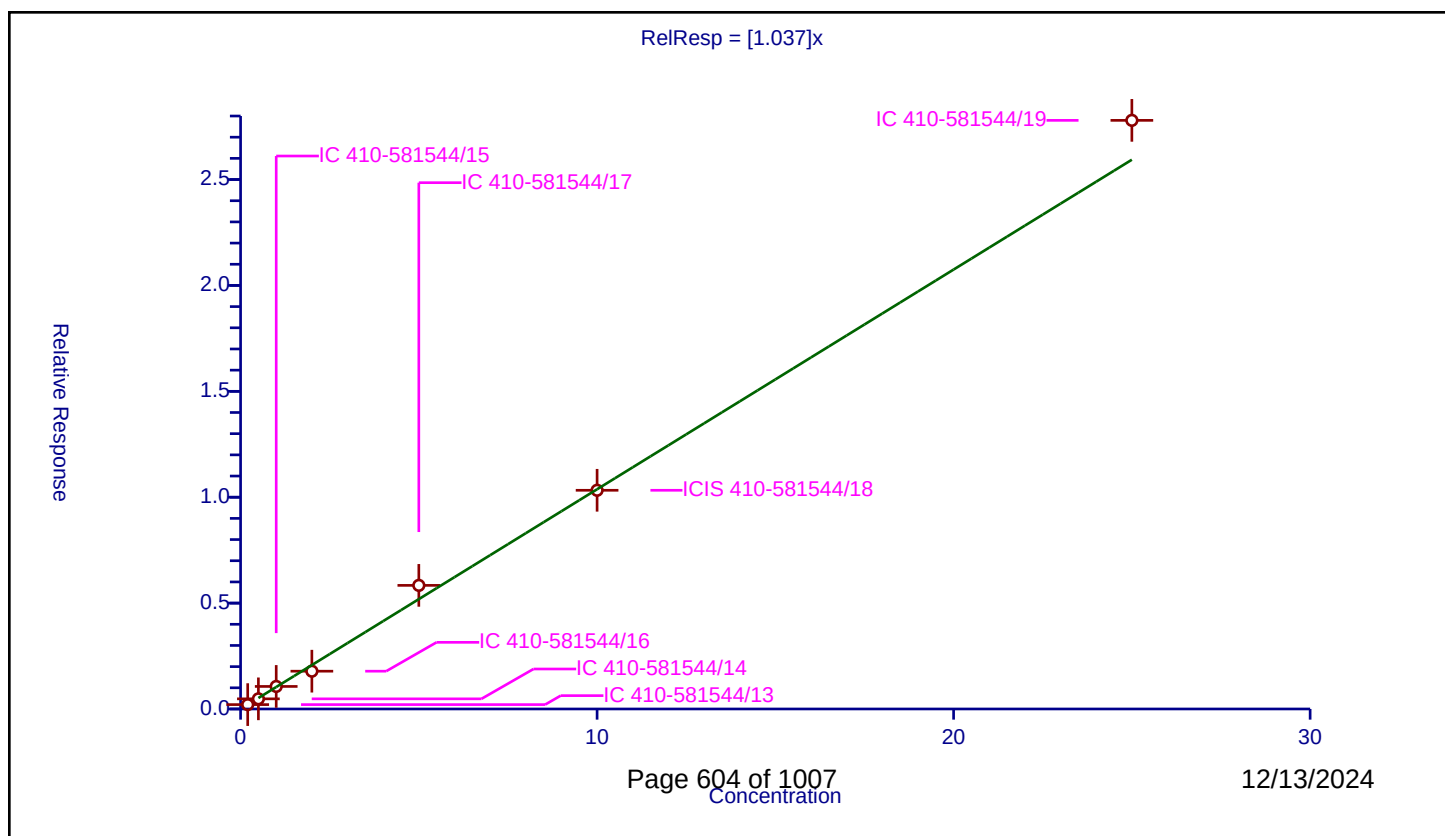
Curve Coefficients

Intercept: 0
Slope: 1.037

Error Coefficients

Relative Standard Deviation: 8.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	0.2	0.206849	9.99966	787312.0	1.034243	Y
2	IC 410-581544/14	0.5	0.479307	9.99966	819154.0	0.958615	Y
3	IC 410-581544/15	1.0	1.064995	9.99966	755480.0	1.064995	Y
4	IC 410-581544/16	2.0	1.785149	9.99966	819702.0	0.892575	Y
5	IC 410-581544/17	5.0	5.836737	9.99966	763721.0	1.167347	Y
6	ICIS 410-581544/18	10.0	10.326718	9.99966	792188.0	1.032672	Y
7	IC 410-581544/19	25.0	27.795308	9.99966	784305.0	1.111812	Y



Calibration

/ Hexachlorobutadiene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

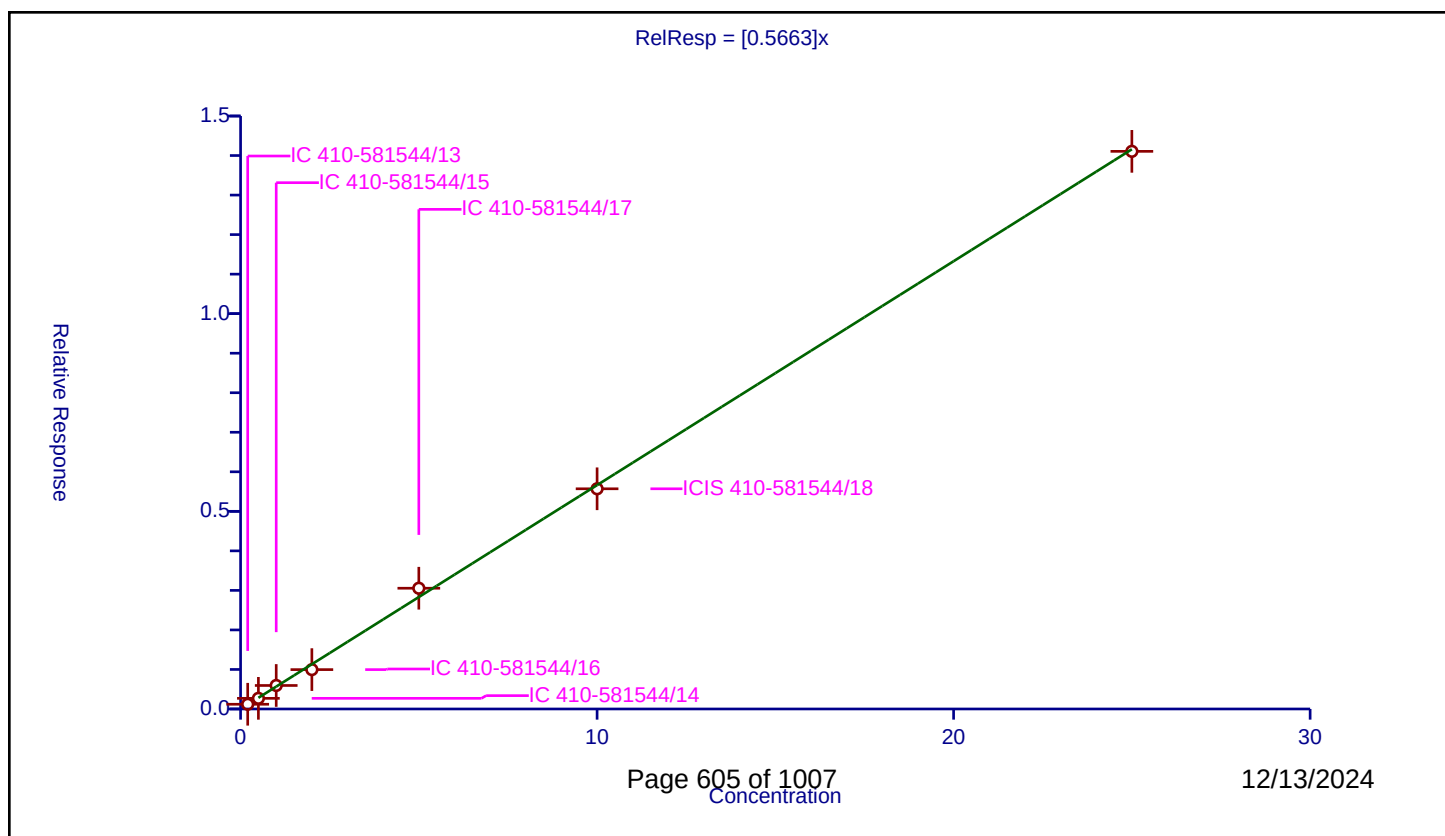
Curve Coefficients

Intercept: 0
Slope: 0.5663

Error Coefficients

Relative Standard Deviation: 7.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	0.2	0.12005	9.99966	787312.0	0.60025	Y
2	IC 410-581544/14	0.5	0.269684	9.99966	819154.0	0.539367	Y
3	IC 410-581544/15	1.0	0.594767	9.99966	755480.0	0.594767	Y
4	IC 410-581544/16	2.0	0.99573	9.99966	819702.0	0.497865	Y
5	IC 410-581544/17	5.0	3.054467	9.99966	763721.0	0.610893	Y
6	ICIS 410-581544/18	10.0	5.570243	9.99966	792188.0	0.557024	Y
7	IC 410-581544/19	25.0	14.106494	9.99966	784305.0	0.56426	Y

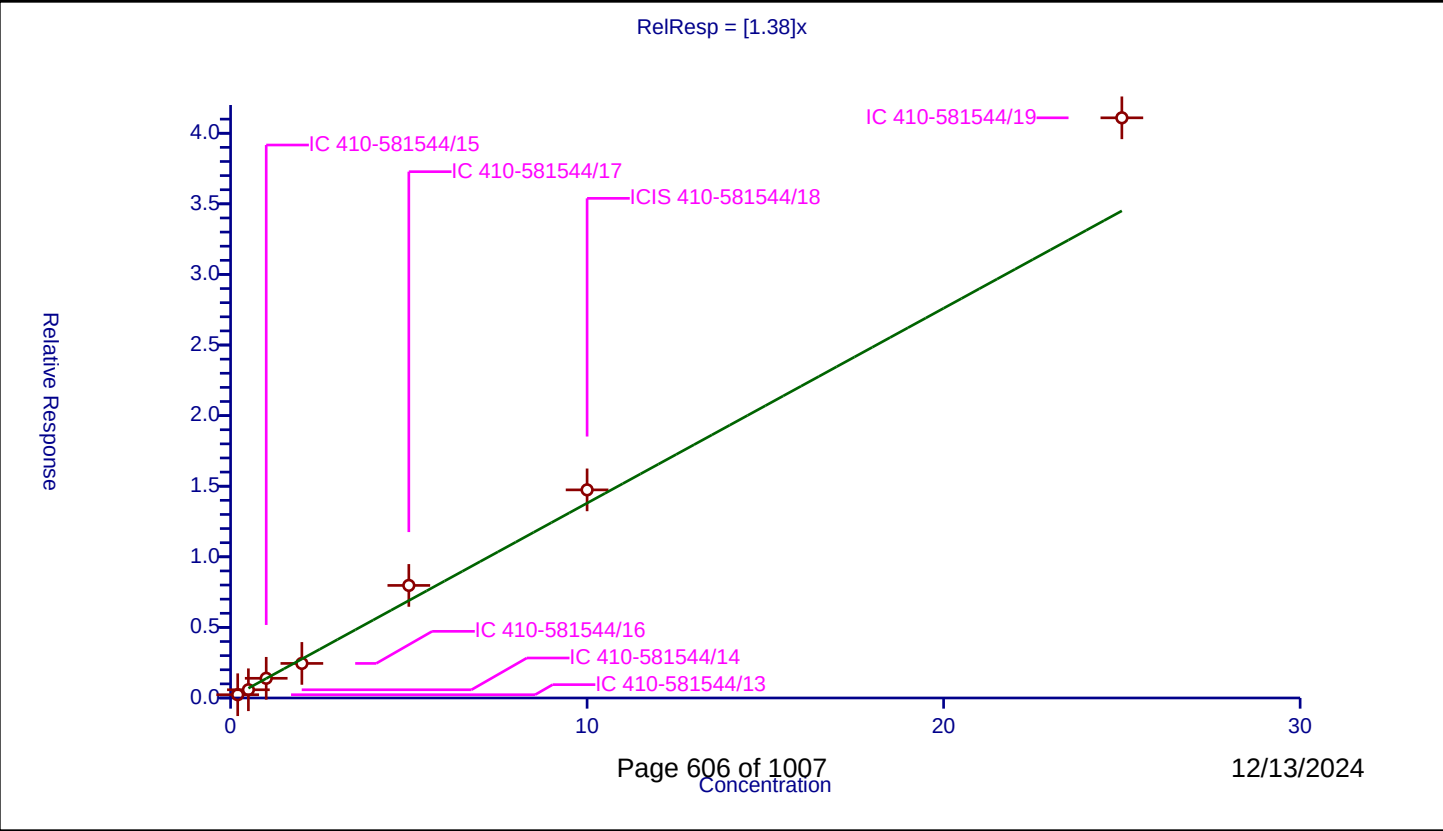


Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.38
Error Coefficients	

Relative Standard Deviation: 14.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	0.2	0.232263	9.99966	787312.0	1.161317	Y
2	IC 410-581544/14	0.5	0.58346	9.99966	819154.0	1.16692	Y
3	IC 410-581544/15	1.0	1.395476	9.99966	755480.0	1.395476	Y
4	IC 410-581544/16	2.0	2.449648	9.99966	819702.0	1.224824	Y
5	IC 410-581544/17	5.0	7.973845	9.99966	763721.0	1.594769	Y
6	ICIS 410-581544/18	10.0	14.741454	9.99966	792188.0	1.474145	Y
7	IC 410-581544/19	25.0	41.092488	9.99966	784305.0	1.6437	Y



Calibration

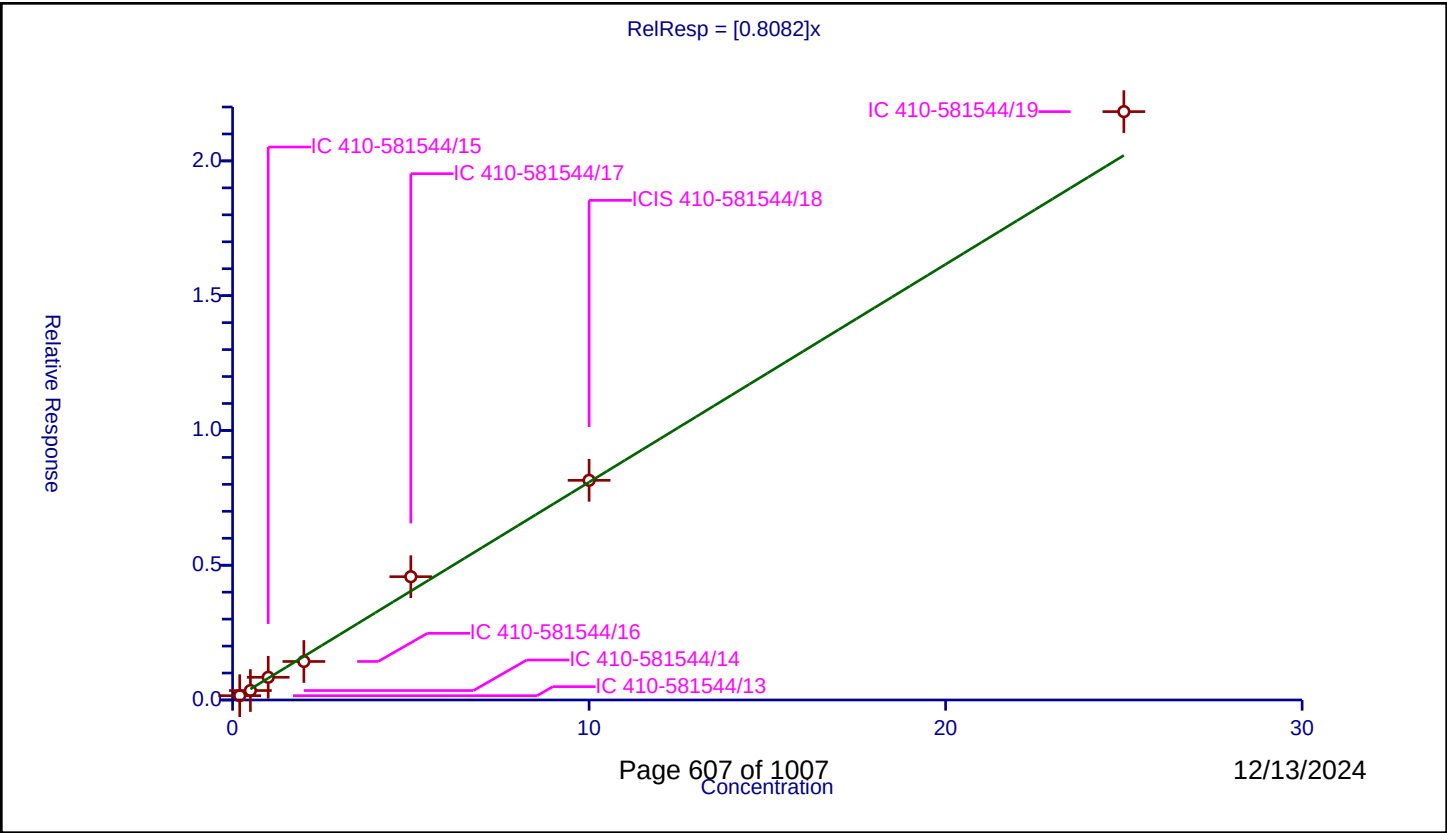
/ 1,2,3-Trichlorobenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.8082
Error Coefficients	

Relative Standard Deviation: 9.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-581544/13	0.2	0.159322	9.99966	787312.0	0.796608	Y
2	IC 410-581544/14	0.5	0.350667	9.99966	819154.0	0.701334	Y
3	IC 410-581544/15	1.0	0.84227	9.99966	755480.0	0.84227	Y
4	IC 410-581544/16	2.0	1.428702	9.99966	819702.0	0.714351	Y
5	IC 410-581544/17	5.0	4.574565	9.99966	763721.0	0.914913	Y
6	ICIS 410-581544/18	10.0	8.149632	9.99966	792188.0	0.814963	Y
7	IC 410-581544/19	25.0	21.828801	9.99966	784305.0	0.873152	Y



FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-198585-1 Analy Batch No.: 562891
Environment Testing, LLC

SDG No.: _____

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/14/2024 18:22 Calibration End Date: 10/14/2024 20:29 Calibration ID: 66584

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-562891/3	HC14X02.D
Level 2	IC 410-562891/4	HC14X03.D
Level 3	IC 410-562891/5	HC14X04.D
Level 4	IC 410-562891/6	HC14X05.D
Level 5	IC 410-562891/7	HC14X06.D
Level 6	IC 410-562891/8	HC14X07.D
Level 7	IC 410-562891/9	HC14X08.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	0.3983 0.3052	0.2310 0.3004	0.3036	0.3242	0.3060	Ave		0.309 8				15.8		20.0			
Methoxymethane	++++ 0.2956	0.3451 0.3036	0.3464	0.3440	0.3284	Ave		0.327 2				6.9		20.0			
Acetonitrile	++++ 0.0101	++++ 0.0087	0.0237	0.0159	0.0122	Lin	0.089 3	0.008 0							0.9990		0.9900
Vinyl acetate	0.3110 0.2313	0.2365 0.2364	0.2069	0.2091	0.2260	Ave		0.236 8				14.8		20.0			
Ethyl acetate	0.1276 0.1093	0.0916 0.1141	0.0828	0.0880	0.1063	Ave		0.102 8				15.6		20.0			
2-Chloroethyl vinyl ether	0.0957 0.0945	0.0730 0.0975	0.0862	0.0888	0.0957	Ave		0.090 2				9.6		20.0			
cis-1,4-Dichloro-2-butene	0.0599 0.0643	0.0454 0.0659	0.0472	0.0569	0.0642	Ave		0.057 7				14.5		20.0			
Cyclohexanone	0.3898 0.2672	0.2929 0.2435	0.2711	0.2614	0.2459	Ave		0.281 7				17.9		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.: 410-198585-1 Analy Batch No.: 562891
Environment Testing, LLC

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/14/2024 18:22 Calibration End Date: 10/14/2024 20:29 Calibration ID: 66584

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-562891/3	HC14X02.D
Level 2	IC 410-562891/4	HC14X03.D
Level 3	IC 410-562891/5	HC14X04.D
Level 4	IC 410-562891/6	HC14X05.D
Level 5	IC 410-562891/7	HC14X06.D
Level 6	IC 410-562891/8	HC14X07.D
Level 7	IC 410-562891/9	HC14X08.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	16460 636418	23593 1567217	62358	134829	317939	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Methoxymethane	FB	Ave	++++ 616402	35240 1583530	71150	143061	341281	++++ 10.0	0.500 25.0	1.00	2.00	5.00
Acetonitrile	FB	Lin	++++ 105716	++++ 226537	24298	33015	63169	++++ 50.0	++++ 125	5.00	10.0	25.0
Vinyl acetate	FB	Ave	12855 482353	24147 1233249	42488	86964	234842	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl acetate	FB	Ave	5272 227925	9352 595416	17004	36605	110467	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Chloroethyl vinyl ether	FB	Ave	3956 197049	7452 508357	17707	36925	99396	0.200 10.0	0.500 25.0	1.00	2.00	5.00
cis-1,4-Dichloro-2-butene	CBZd5	Ave	3563 192295	6674 498900	13998	33834	95916	0.400 20.0	1.000 50.0	2.00	4.00	10.00
Cyclohexanone	TBA d1 0	Ave	7607 217978	12594 439453	21643	39288	107639	10.0 500	25.0 1250	50.0	100	250

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.: 410-198585-1 Analy Batch No.: 562891
Environment Testing, LLC

SDG No.: _____

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/14/2024 18:22 Calibration End Date: 10/14/2024 20:29 Calibration ID: 66584

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-562891/3	HC14X02.D
Level 2	IC 410-562891/4	HC14X03.D
Level 3	IC 410-562891/5	HC14X04.D
Level 4	IC 410-562891/6	HC14X05.D
Level 5	IC 410-562891/7	HC14X06.D
Level 6	IC 410-562891/8	HC14X07.D
Level 7	IC 410-562891/9	HC14X08.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	28.5 -3.0	-25.4	-2.0	4.6	-1.2	-1.5	50 30	30	30	30	30	30
Methoxymethane	++++ -7.2	5.5	5.9	5.1	0.4	-9.6	30	50	30	30	30	30
Acetonitrile	++++ -0.8	++++	-27.8	-13.5	6.9	4.0	30		50	30	30	30
Vinyl acetate	31.4 -0.1	-0.1	-12.6	-11.7	-4.5	-2.3	50 30	30	30	30	30	30
Ethyl acetate	24.1 11.0	-10.9	-19.5	-14.4	3.4	6.3	50 30	30	30	30	30	30
2-Chloroethyl vinyl ether	6.1 8.1	-19.1	-4.4	-1.5	6.1	4.8	50 30	30	30	30	30	30
cis-1,4-Dichloro-2-butene	3.8 14.2	-21.3	-18.2	-1.4	11.4	11.5	50 30	30	30	30	30	30
Cyclohexanone	38.4 -13.6	4.0	-3.7	-7.2	-12.7	-5.1	50 30	30	30	30	30	30

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X02.D
 Lims ID: IC std1 0.2
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 14-Oct-2024 18:22:30 ALS Bottle#: 2 Worklist Smp#: 3
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0127661-003
 Misc. Info.: sm .2
 Operator ID: gaw91131 Instrument ID: 19094
 Sublist: chrom-MSV_19094_25mL*sub49
 Method: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\MSV_19094_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 17-Oct-2024 09:43:31 Calib Date: 15-Oct-2024 00:00:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1693

First Level Reviewer: JS6E

Date: 15-Oct-2024 00:28:32

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.800	1.812	-0.012	81	4797	0.2000	0.2258	
3 Chlorodifluoromethane	51	1.855	1.861	-0.006	97	16460	0.2000	0.2571	M
4 Dimethyl ether	45	1.910	1.922	-0.012	99	21804	0.2000	0.3225	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.190	2.202	-0.012	59	12941	0.2000	0.2392	
25 Acetonitrile	41	4.092	3.727	0.365	23	16945	1.00	-0.9059	M
* 28 t-Butyl alcohol-d10 (IS)	65	3.922	3.903	0.019	25	97577	50.0	50.0	
35 Vinyl acetate	43	4.989	4.940	0.049	71	12855	0.2000	0.2628	M
45 Ethyl acetate	43	5.903	5.842	0.061	1	5272	0.2000	0.2481	M
61 Isopropyl acetate	43	7.086	7.092	-0.006	95	15063	0.2000	0.2605	M
* 64 Fluorobenzene (IS)	96	7.403	7.409	-0.006	99	2066465	10.0	10.0	
75 n-Propyl acetate	61	8.439	8.421	0.018	96	1262	0.2000	0.1352	
78 2-Chloroethyl vinyl ether	63	8.982	8.963	0.019	85	3956	0.2000	0.2123	
110 n-Butyl acetate	43	10.414	10.402	0.012	95	10262	0.2000	0.2172	
* 113 Chlorobenzene-d5 (IS)	117	10.994	10.993	0.001	86	1487863	10.0	10.0	
124 cis-1,4-Dichloro-2-butene	88	11.914	11.914	0.000	27	3563	0.3999	0.4152	
125 Cyclohexanone	55	11.945	11.944	0.001	92	7607	10.0	13.8	
* 141 1,4-Dichlorobenzene-d4	152	12.908	12.908	0.000	95	832511	10.0	10.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_V5ACE_00041	Amount Added: 0.20	Units: uL
MSV_CCV_CYC_00009	Amount Added: 1.60	Units: uL
MSV_V_SMRV4_00078	Amount Added: 1.00	Units: uL
MSV_DME_00061	Amount Added: 0.20	Units: uL
MSV_LLcentISO_00009	Amount Added: 5.00	Units: uL

Report Date: 17-Oct-2024 09:43:32

Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X02.D

Injection Date: 14-Oct-2024 18:22:30

Instrument ID: 19094

Operator ID: gaw91131

Lims ID: IC std1 0.2

Worklist Smp#: 3

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

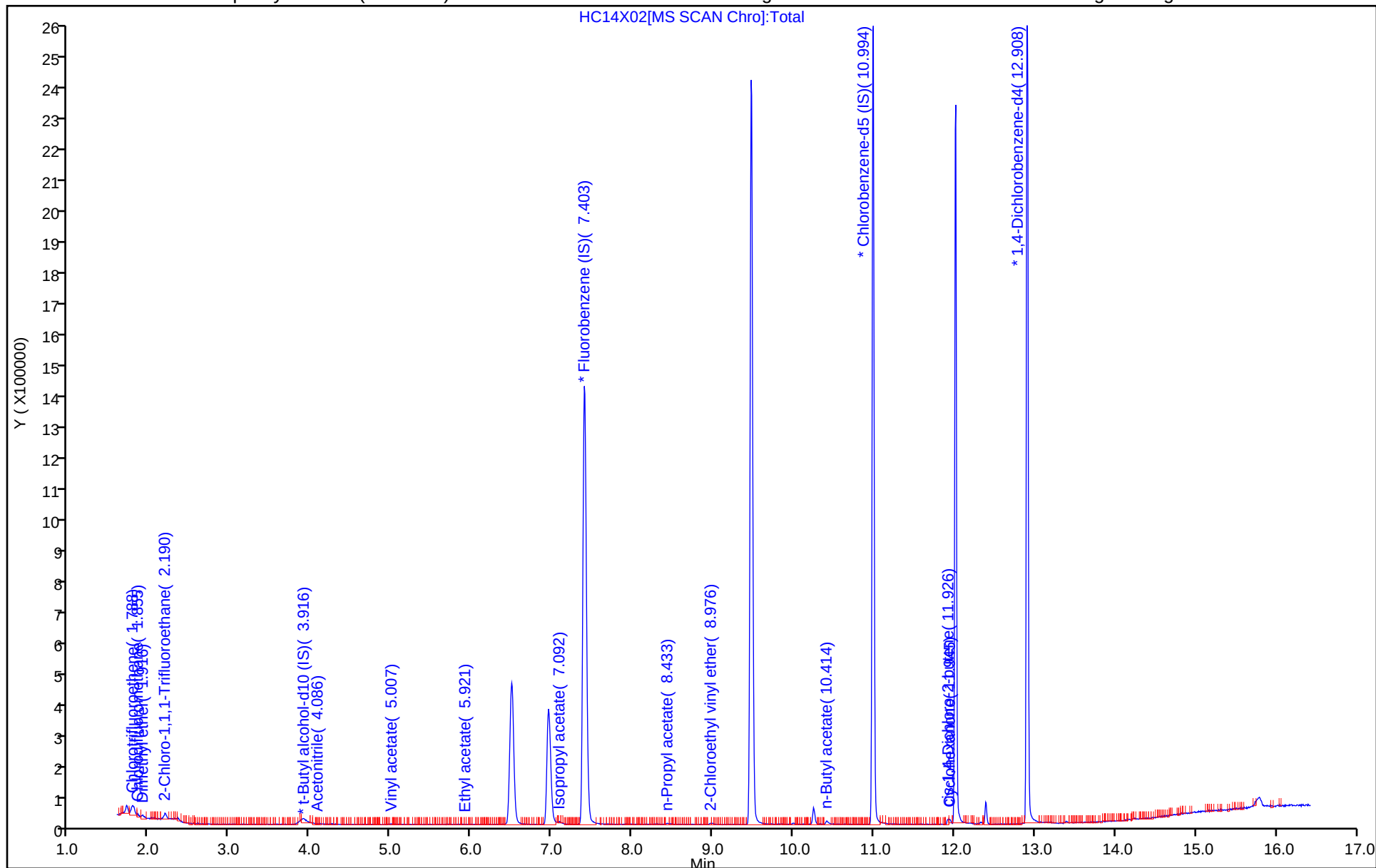
ALS Bottle#: 2

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

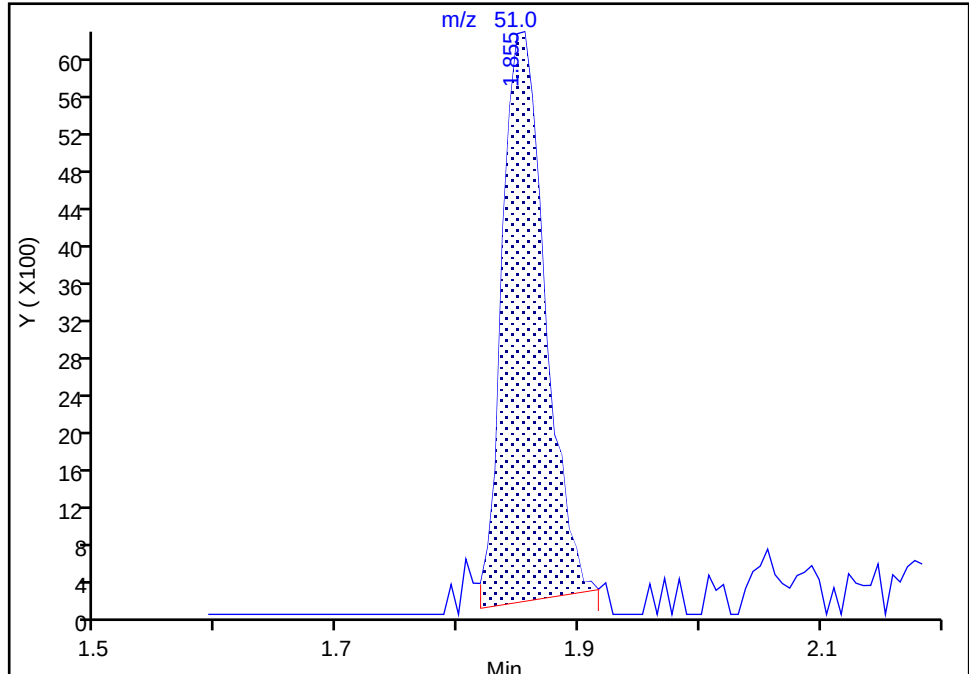
Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X02.D
Injection Date: 14-Oct-2024 18:22:30 Instrument ID: 19094
Lims ID: IC std1 0.2
Client ID:
Operator ID: gaw91131 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

3 Chlorodifluoromethane, CAS: 75-45-6

Signal: 1

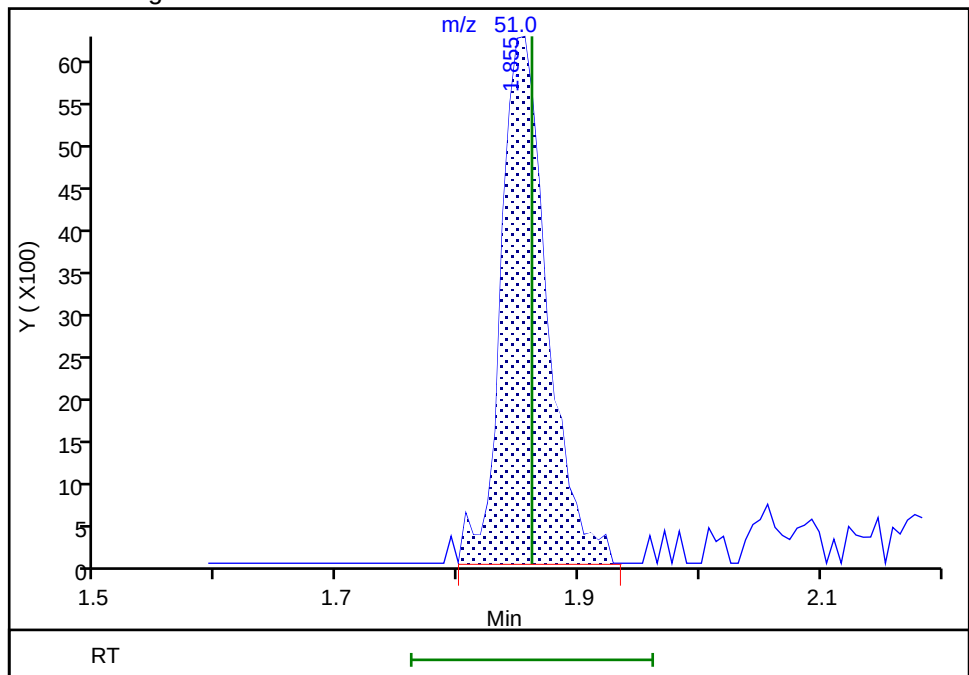
RT: 1.86
Area: 14968
Amount: 0.237743
Amount Units: ug/l

Processing Integration Results



RT: 1.86
Area: 16460
Amount: 0.257090
Amount Units: ug/l

Manual Integration Results



Reviewer: JS6E, 15-Oct-2024 00:26:13 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

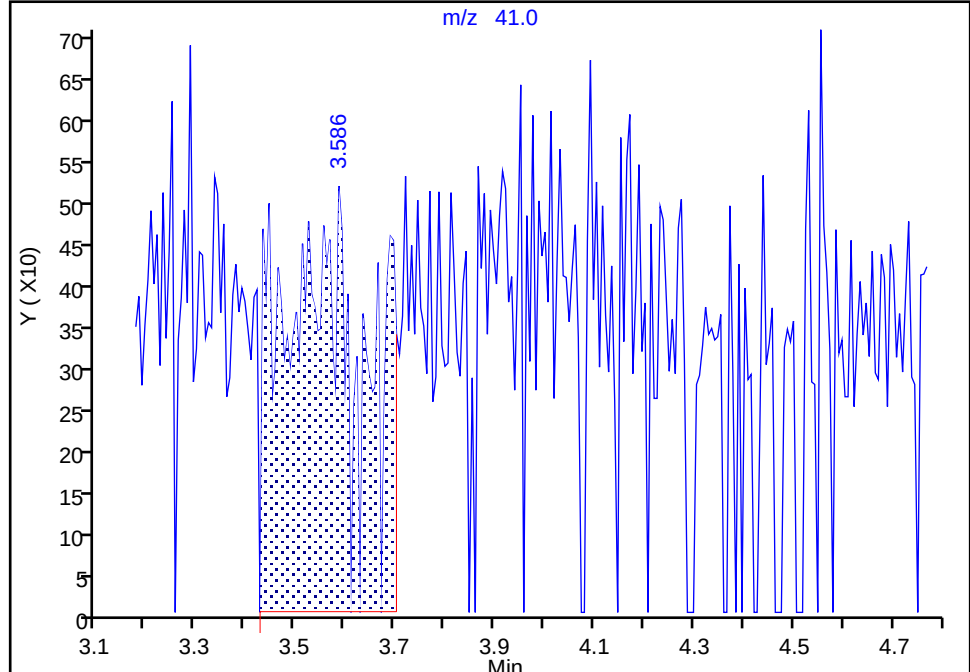
Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X02.D
Injection Date: 14-Oct-2024 18:22:30 Instrument ID: 19094
Lims ID: IC std1 0.2
Client ID:
Operator ID: gaw91131 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm i.d.) Detector: MS Quad

25 Acetonitrile, CAS: 75-05-8

Signal: 1

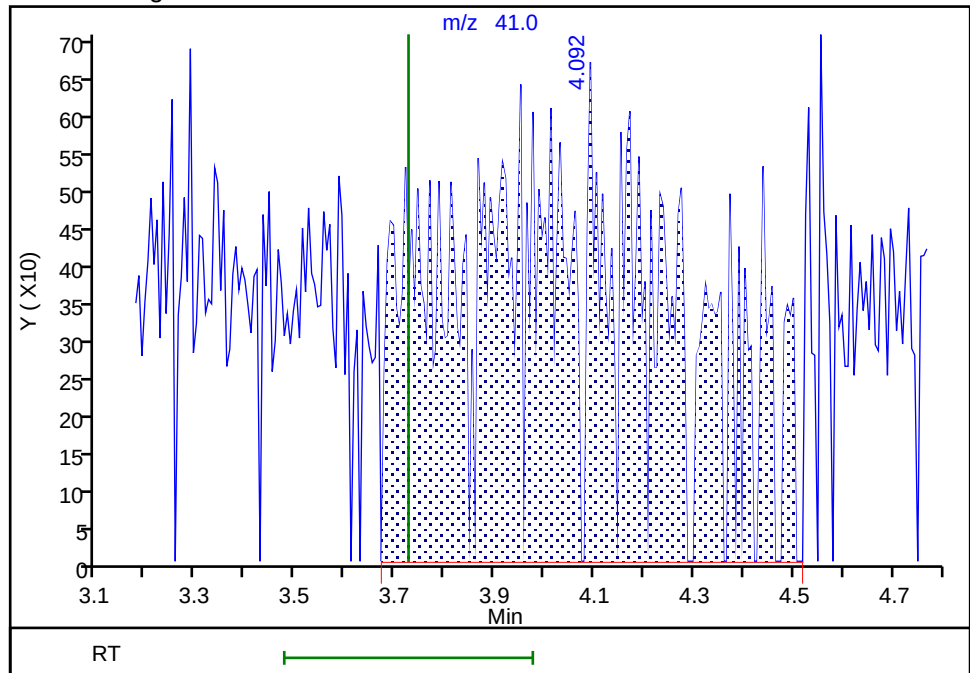
RT: 3.59
Area: 5591
Amount: 1.886485
Amount Units: ug/l

Processing Integration Results



RT: 4.09
Area: 16945
Amount: -0.905905
Amount Units: ug/l

Manual Integration Results



Reviewer: JS6E, 15-Oct-2024 00:36:15 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

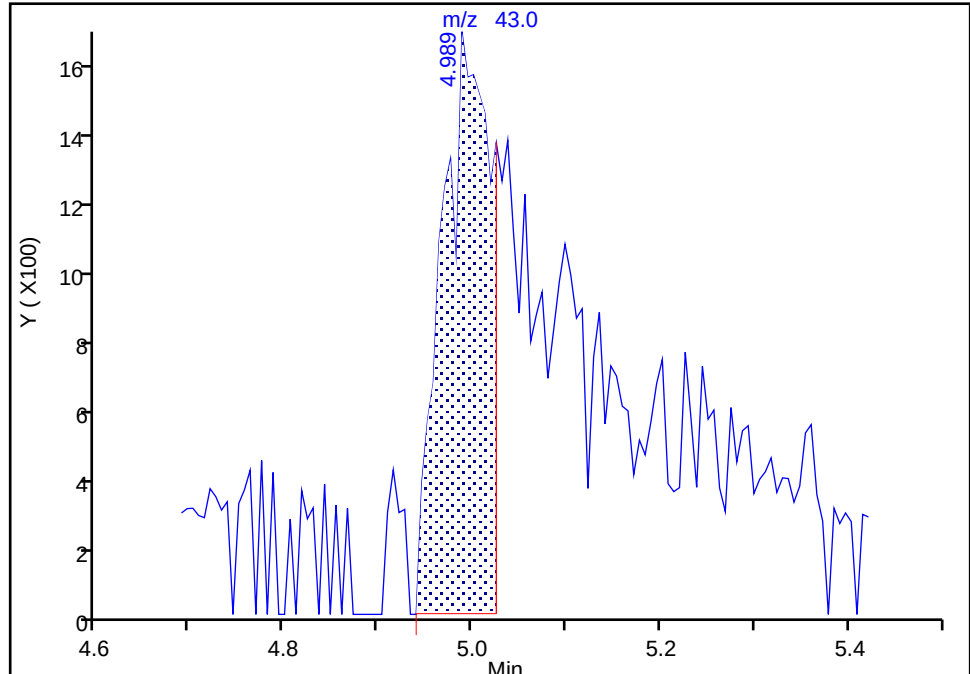
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Injection Date: 14-Oct-2024 18:22:30 Instrument ID: 19094
Lims ID: IC std1 0.2
Client ID:
Operator ID: gaw91131 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

35 Vinyl acetate, CAS: 108-05-4

Signal: 1

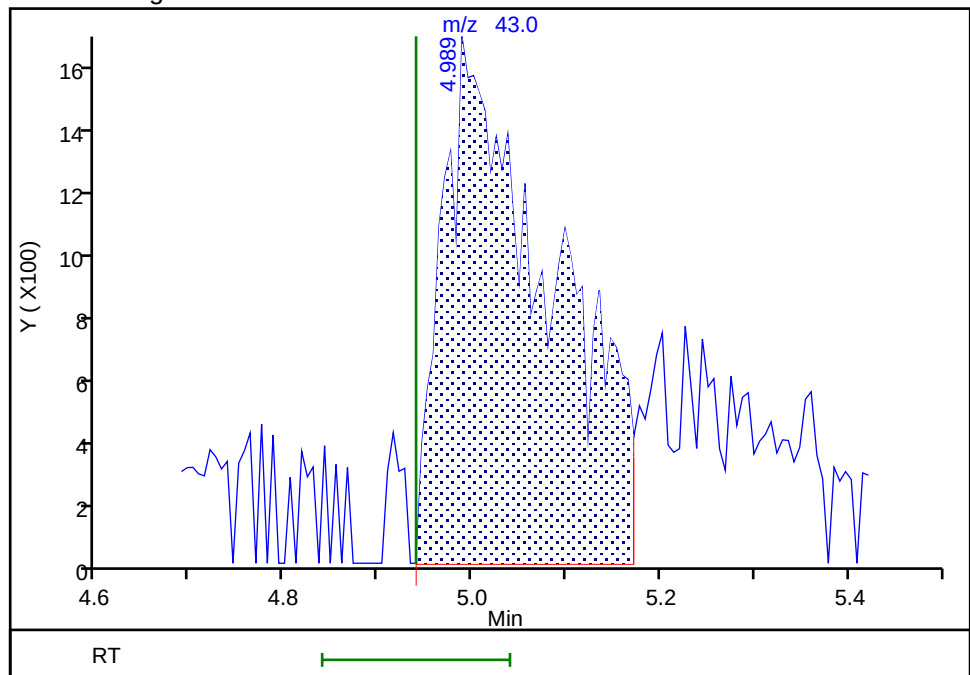
RT: 4.99
Area: 5801
Amount: 0.132186
Amount Units: ug/l

Processing Integration Results



RT: 4.99
Area: 12855
Amount: 0.262756
Amount Units: ug/l

Manual Integration Results



Reviewer: JS6E, 15-Oct-2024 00:27:27 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

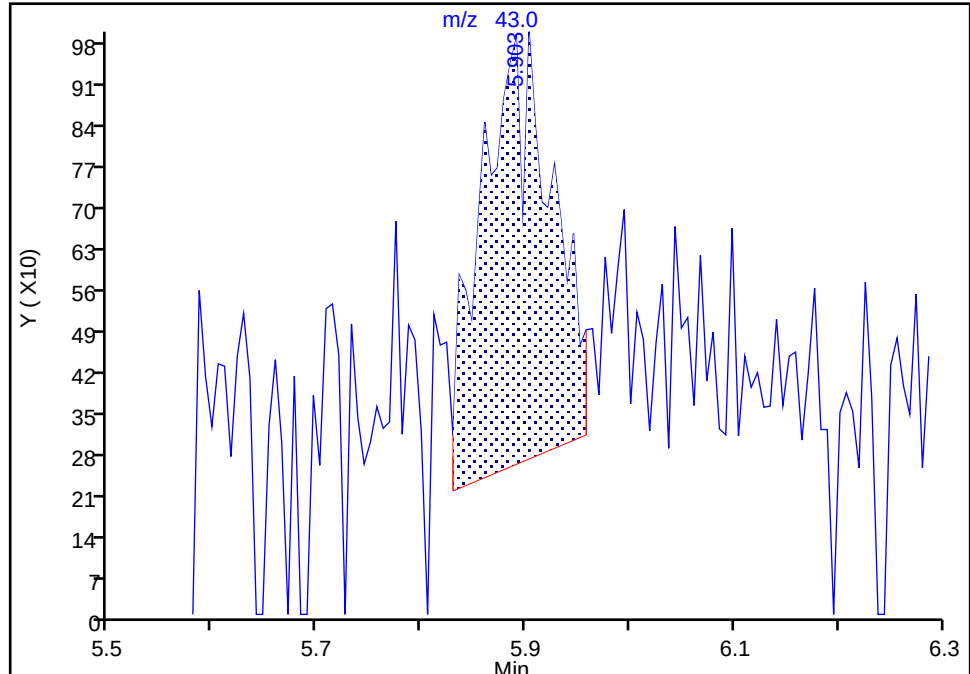
Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X02.D
Injection Date: 14-Oct-2024 18:22:30 Instrument ID: 19094
Lims ID: IC std1 0.2
Client ID:
Operator ID: gaw91131 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

45 Ethyl acetate, CAS: 141-78-6

Signal: 1

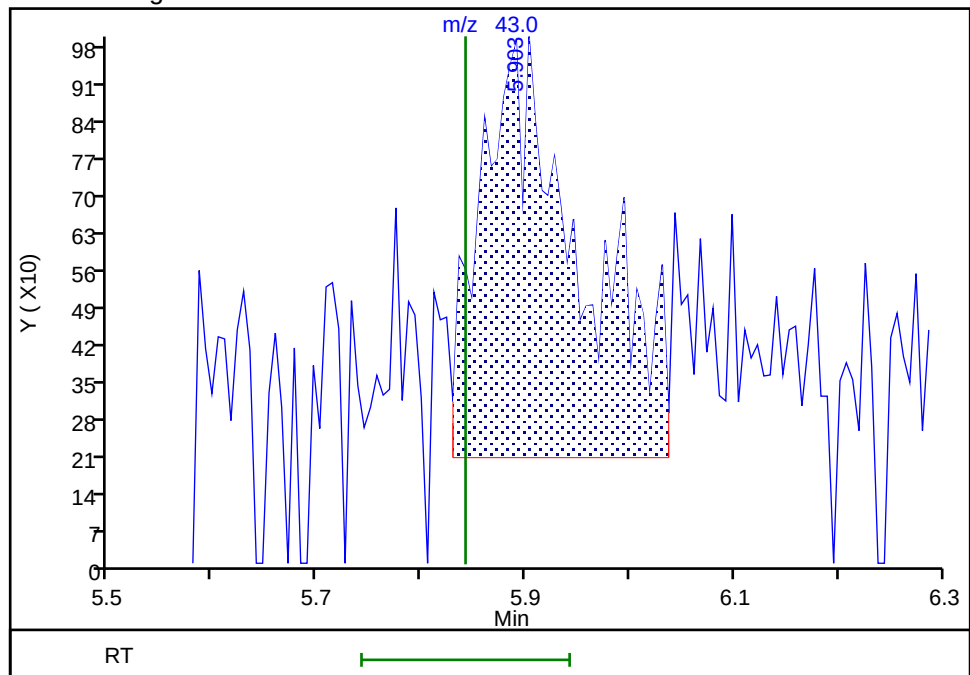
RT: 5.90
Area: 3503
Amount: 0.175296
Amount Units: ug/l

Processing Integration Results



RT: 5.90
Area: 5272
Amount: 0.248130
Amount Units: ug/l

Manual Integration Results



Reviewer: JS6E, 15-Oct-2024 00:28:01 -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\19094\20241014-127661.b\HC14X03.D
 Lims ID: IC std2 0.5
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 14-Oct-2024 18:44:30 ALS Bottle#: 3 Worklist Smp#: 4
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0127661-004
 Misc. Info.: sm .5
 Operator ID: gaw91131 Instrument ID: 19094
 Sublist: chrom-MSV_19094_25mL*sub49
 Method: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\MSV_19094_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 17-Oct-2024 09:43:34 Calib Date: 15-Oct-2024 00:00:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1693

First Level Reviewer: JS6E

Date: 15-Oct-2024 00:25:52

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	42	5258	0.5000	0.2504	
3 Chlorodifluoromethane	51	1.861	1.861	0.000	97	23593	0.5000	0.3729	
4 Dimethyl ether	45	1.922	1.922	0.000	100	35240	0.5000	0.5274	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.209	2.202	0.007	32	20781	0.5000	0.3886	
25 Acetonitrile	41	3.971	3.727	0.244	23	20629	2.50	1.46	M
* 28 t-Butyl alcohol-d10 (IS)	65	3.928	3.903	0.025	22	85985	50.0	50.0	
35 Vinyl acetate	43	5.001	4.940	0.061	97	24147	0.5000	0.4994	M
45 Ethyl acetate	43	5.885	5.842	0.043	43	9352	0.5000	0.4454	
61 Isopropyl acetate	43	7.092	7.092	0.000	97	27265	0.5000	0.4772	
* 64 Fluorobenzene (IS)	96	7.409	7.409	0.000	99	2042267	10.0	10.0	
75 n-Propyl acetate	61	8.433	8.421	0.012	99	4189	0.5000	0.4540	M
78 2-Chloroethyl vinyl ether	63	8.976	8.963	0.013	91	7452	0.5000	0.4046	
110 n-Butyl acetate	43	10.408	10.402	0.006	96	21115	0.5000	0.4523	
* 113 Chlorobenzene-d5 (IS)	117	10.994	10.993	0.001	86	1469946	10.0	10.0	
124 cis-1,4-Dichloro-2-butene	88	11.920	11.914	0.006	27	6674	1.00	0.7871	
125 Cyclohexanone	55	11.945	11.944	0.001	91	12594	25.0	26.0	
* 141 1,4-Dichlorobenzene-d4	152	12.908	12.908	0.000	95	821853	10.0	10.0	

QC Flag Legend

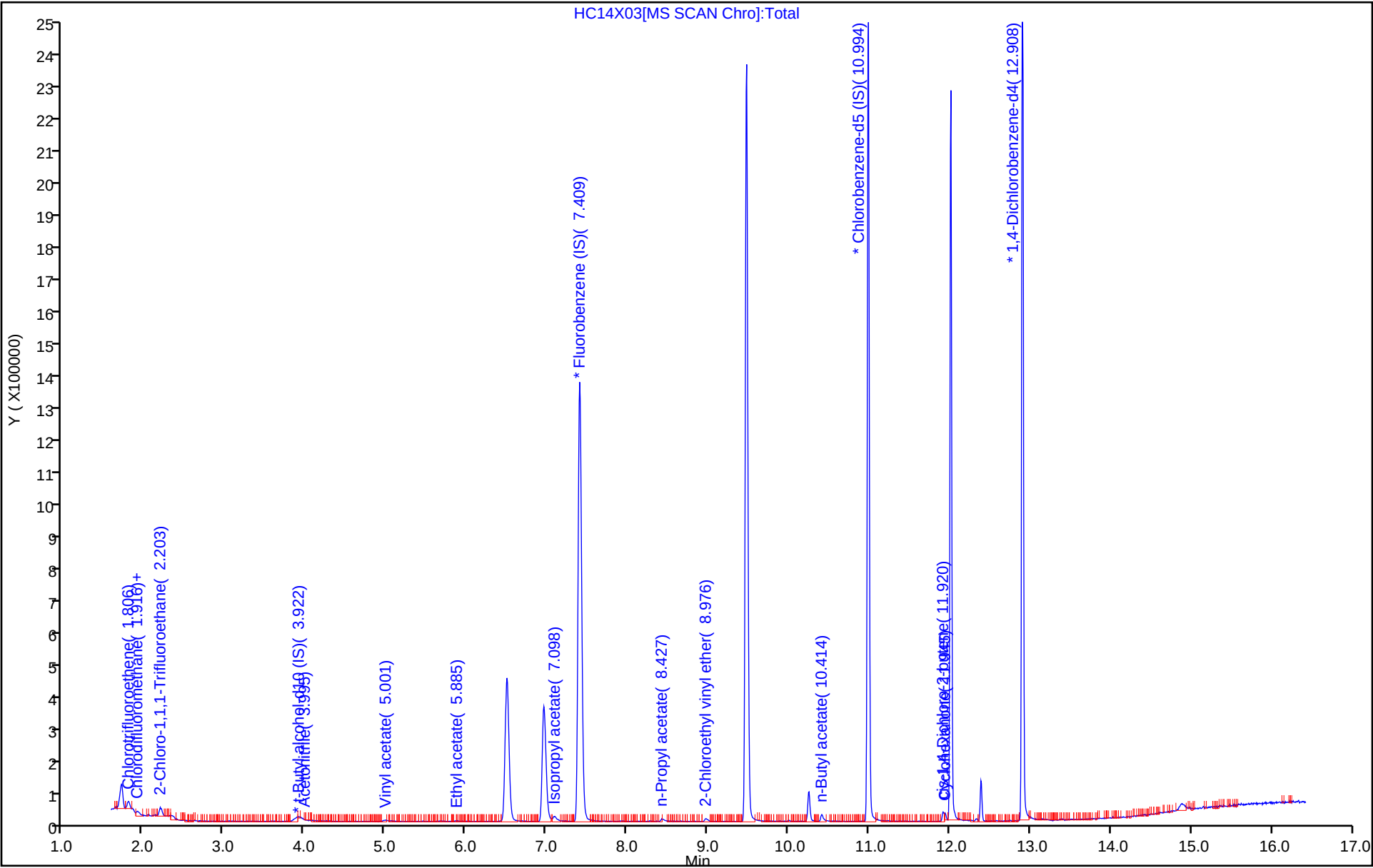
Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_V5ACE_00041	Amount Added: 0.50	Units: uL
MSV_CCV_CYC_00009	Amount Added: 4.00	Units: uL
MSV_V_SMRV4_00078	Amount Added: 2.50	Units: uL
MSV_DME_00061	Amount Added: 0.50	Units: uL
MSV_LLcentISO_00009	Amount Added: 5.00	Units: uL



Eurofins Lancaster Laboratories Environment Testing, LLC

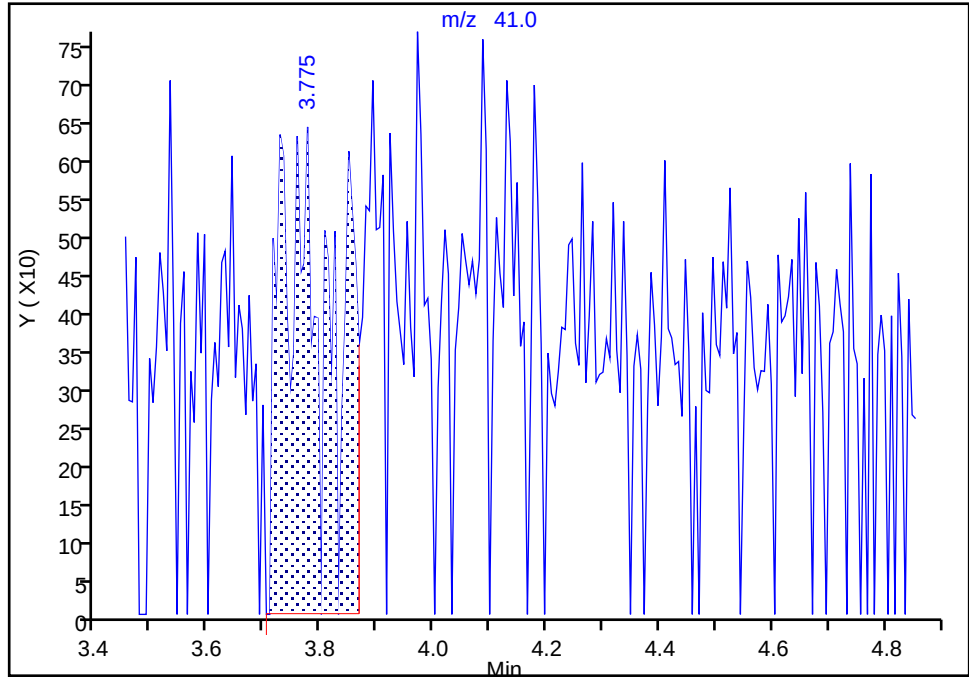
Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X03.D
Injection Date: 14-Oct-2024 18:44:30 Instrument ID: 19094
Lims ID: IC std2 0.5
Client ID:
Operator ID: gaw91131 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

25 Acetonitrile, CAS: 75-05-8

Signal: 1

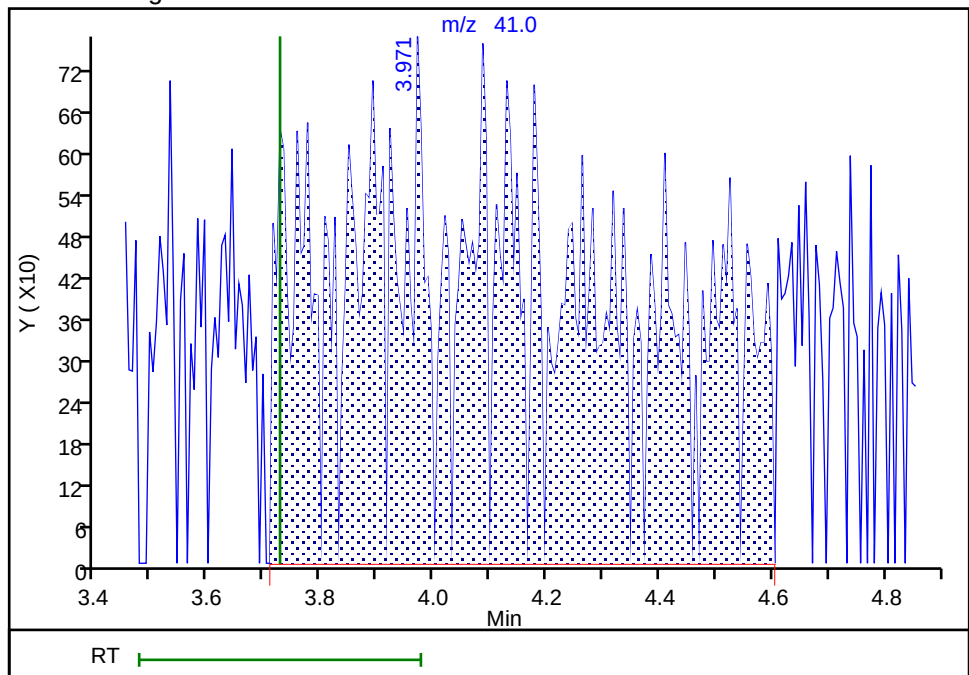
RT: 3.78
Area: 3966
Amount: 1.354042
Amount Units: ug/l

Processing Integration Results



RT: 3.97
Area: 20629
Amount: 1.460245
Amount Units: ug/l

Manual Integration Results



Reviewer: JS6E, 15-Oct-2024 00:36:46 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

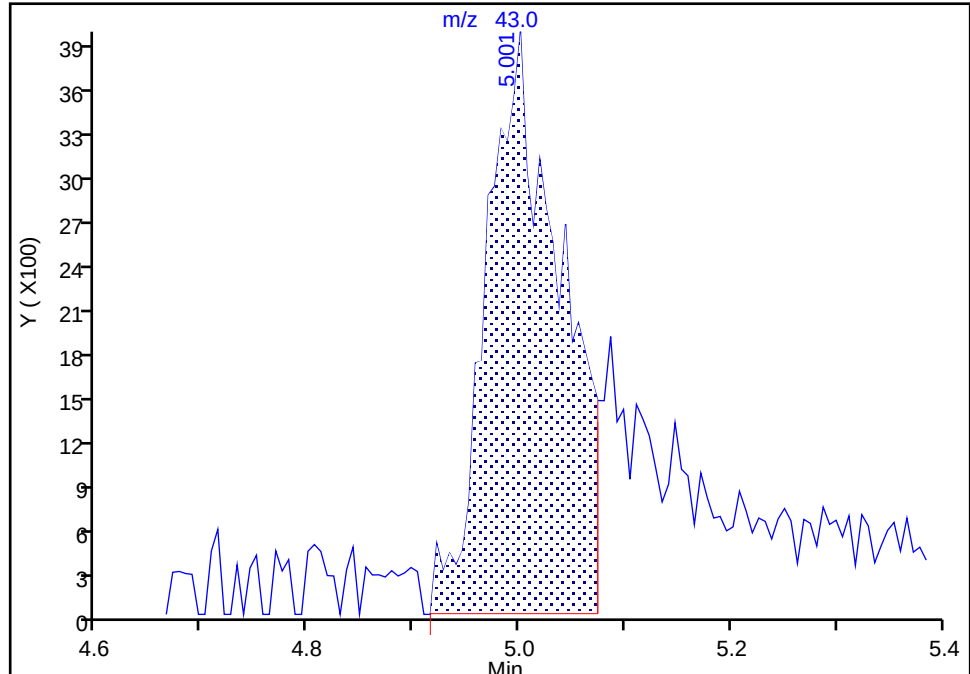
Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X03.D
Injection Date: 14-Oct-2024 18:44:30 Instrument ID: 19094
Lims ID: IC std2 0.5
Client ID:
Operator ID: gaw91131 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

35 Vinyl acetate, CAS: 108-05-4

Signal: 1

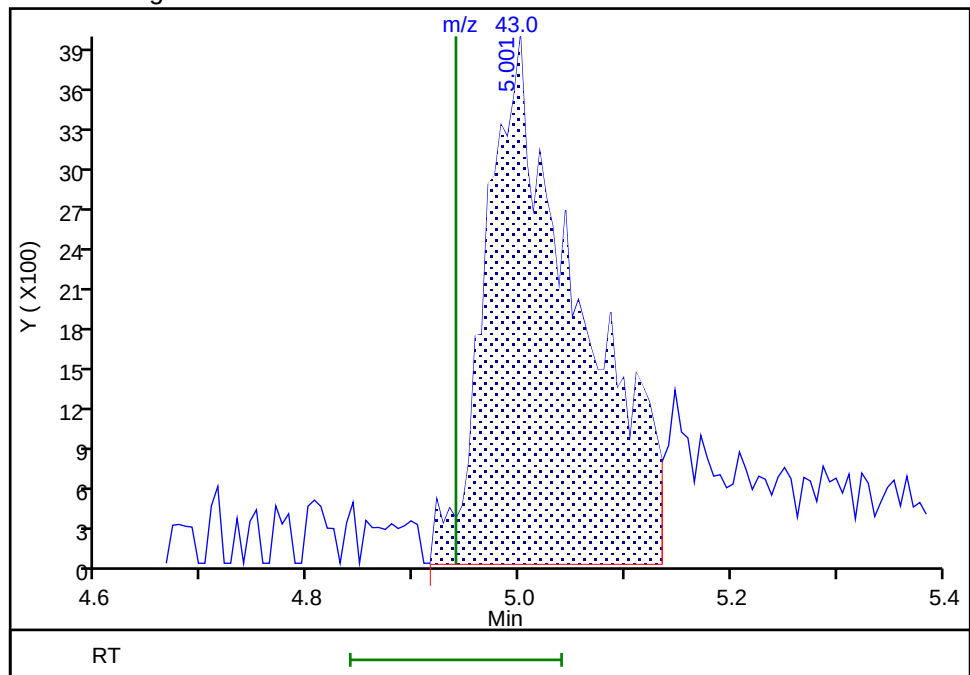
RT: 5.00
Area: 19503
Amount: 0.463867
Amount Units: ug/l

Processing Integration Results



RT: 5.00
Area: 24147
Amount: 0.499413
Amount Units: ug/l

Manual Integration Results



Reviewer: JS6E, 15-Oct-2024 00:25:17 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X04.D
 Lims ID: IC std3 1
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 14-Oct-2024 19:05:30 ALS Bottle#: 4 Worklist Smp#: 5
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0127661-005
 Misc. Info.: sm 1
 Operator ID: gaw91131 Instrument ID: 19094
 Sublist: chrom-MSV_19094_25mL*sub49
 Method: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\MSV_19094_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 17-Oct-2024 09:43:37 Calib Date: 15-Oct-2024 00:00:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1693

First Level Reviewer: JS6E

Date: 15-Oct-2024 00:23:36

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.812	1.812	0.000	51	20108	1.00	0.9522	
3 Chlorodifluoromethane	51	1.861	1.861	0.000	97	62358	1.00	0.9799	
4 Dimethyl ether	45	1.916	1.922	-0.006	100	71150	1.00	1.06	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.209	2.202	0.007	34	51804	1.00	0.9632	
25 Acetonitrile	41	3.824	3.727	0.097	19	24298	5.00	3.61	M
* 28 t-Butyl alcohol-d10 (IS)	65	3.928	3.903	0.025	22	79816	50.0	50.0	
35 Vinyl acetate	43	4.983	4.940	0.043	97	42488	1.00	0.8737	M
45 Ethyl acetate	43	5.860	5.842	0.018	97	17004	1.00	0.8051	
61 Isopropyl acetate	43	7.104	7.092	0.012	98	50742	1.00	0.8829	
* 64 Fluorobenzene (IS)	96	7.409	7.409	0.000	99	2054047	10.0	10.0	
75 n-Propyl acetate	61	8.427	8.421	0.006	98	9202	1.00	0.99	
78 2-Chloroethyl vinyl ether	63	8.970	8.963	0.007	91	17707	1.00	0.9558	
110 n-Butyl acetate	43	10.414	10.402	0.012	98	41956	1.00	0.8902	
* 113 Chlorobenzene-d5 (IS)	117	10.994	10.993	0.001	86	1484195	10.0	10.0	
124 cis-1,4-Dichloro-2-butene	88	11.920	11.914	0.006	27	13998	2.00	1.64	
125 Cyclohexanone	55	11.945	11.944	0.001	92	21643	50.0	48.1	
* 141 1,4-Dichlorobenzene-d4	152	12.908	12.908	0.000	95	828653	10.0	10.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_V5ACE_00041	Amount Added: 1.00	Units: uL
MSV_CCV_CYC_00009	Amount Added: 8.00	Units: uL
MSV_V_SMRV4_00078	Amount Added: 5.00	Units: uL
MSV_DME_00061	Amount Added: 1.00	Units: uL
MSV_LLcentISO_00009	Amount Added: 5.00	Units: uL

Report Date: 17-Oct-2024 09:43:38

Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X04.D

Injection Date: 14-Oct-2024 19:05:30

Instrument ID: 19094

Operator ID: gaw91131

Lims ID: IC std3 1

Worklist Smp#: 5

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

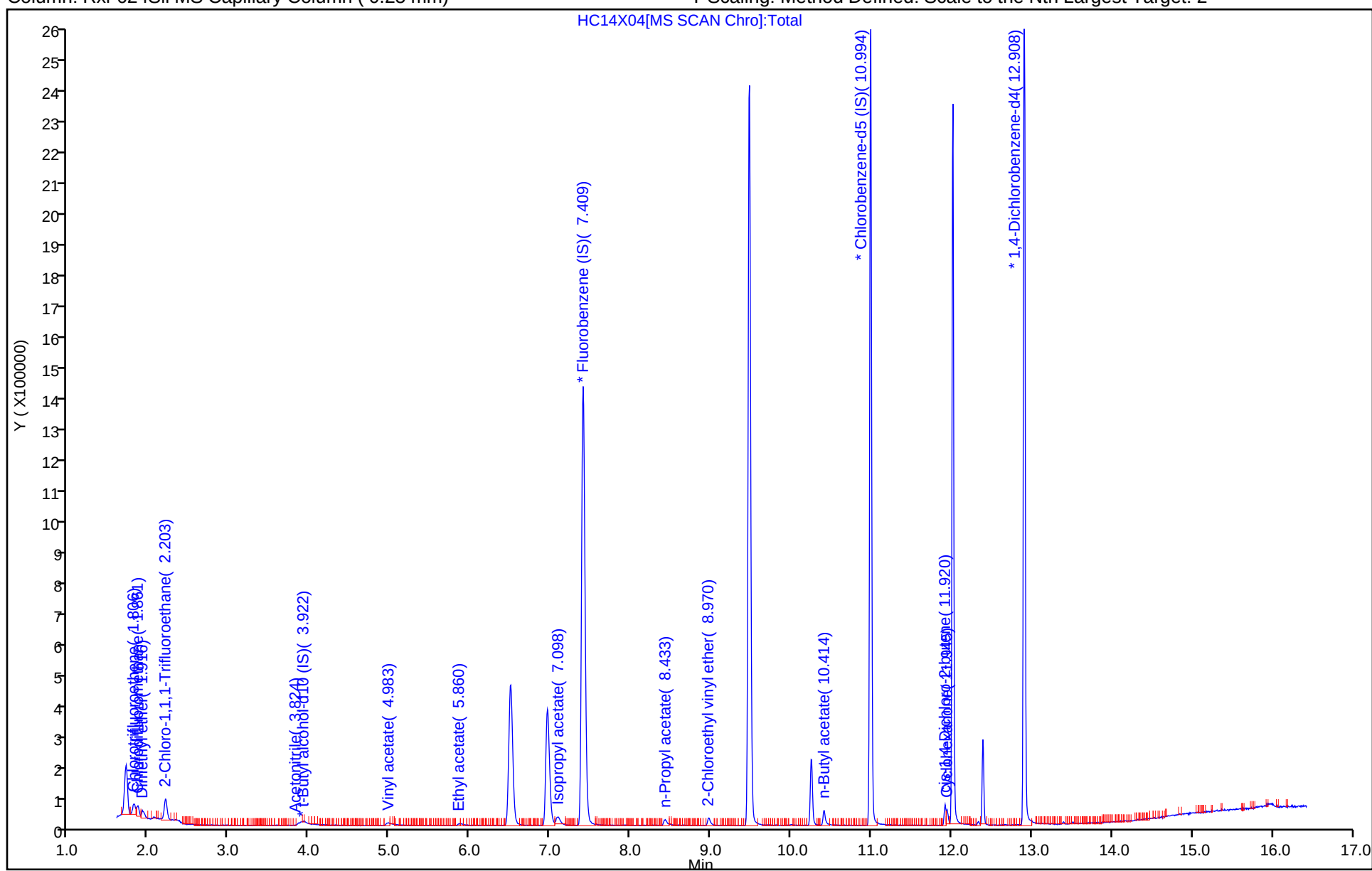
ALS Bottle#: 4

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

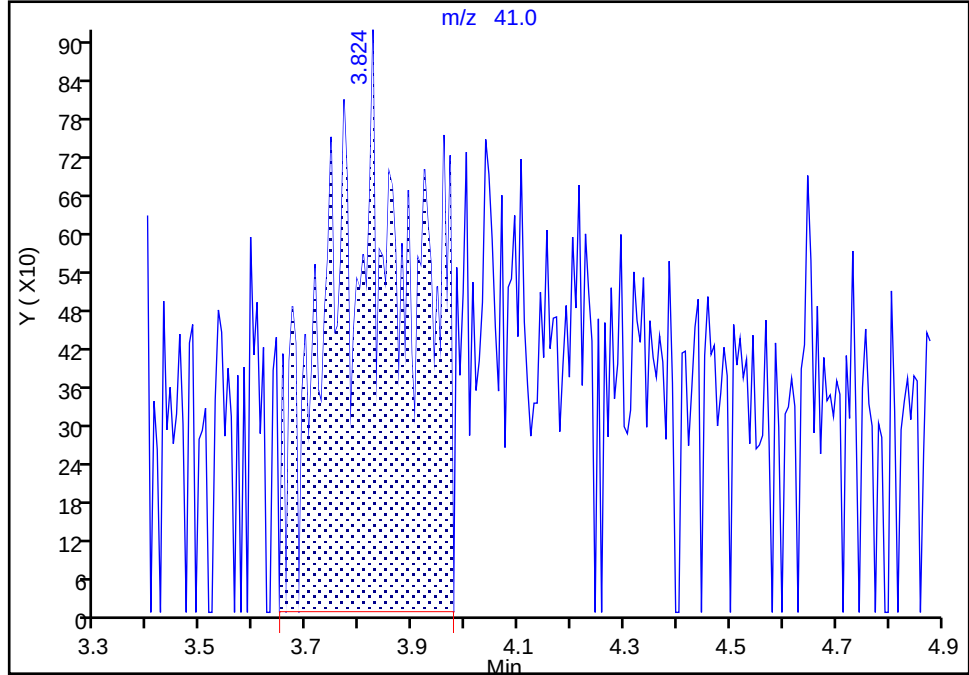
Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X04.D
Injection Date: 14-Oct-2024 19:05:30 Instrument ID: 19094
Lims ID: IC std3 1
Client ID:
Operator ID: gaw91131 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm i.d.) MS Quad

25 Acetonitrile, CAS: 75-05-8

Signal: 1

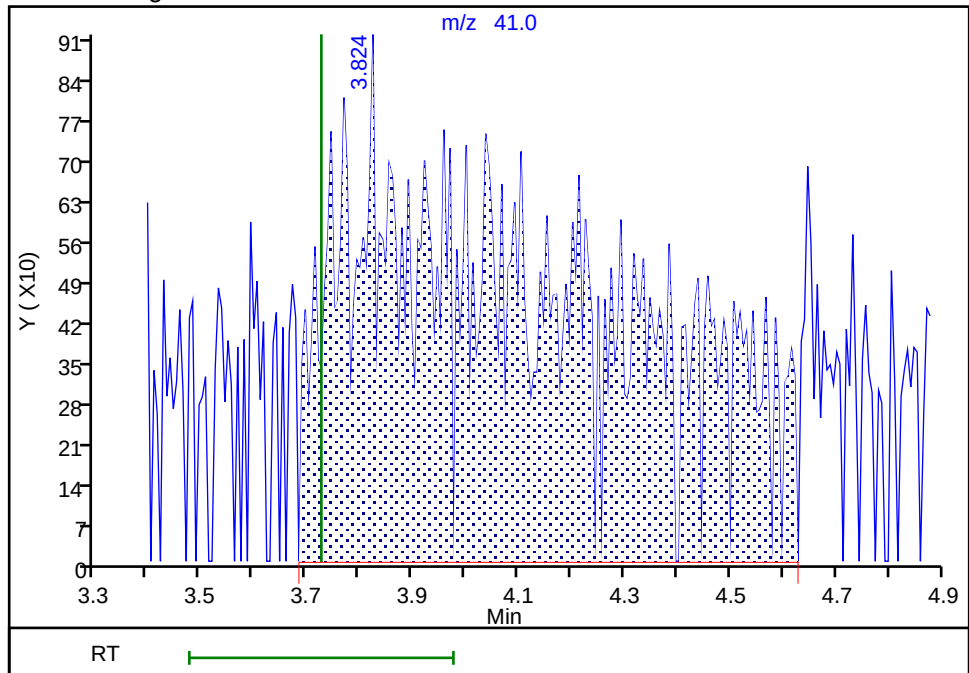
RT: 3.82
Area: 9631
Amount: 4.217346
Amount Units: ug/l

Processing Integration Results



RT: 3.82
Area: 24298
Amount: 3.611397
Amount Units: ug/l

Manual Integration Results



Reviewer: JS6E, 15-Oct-2024 00:37:07 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

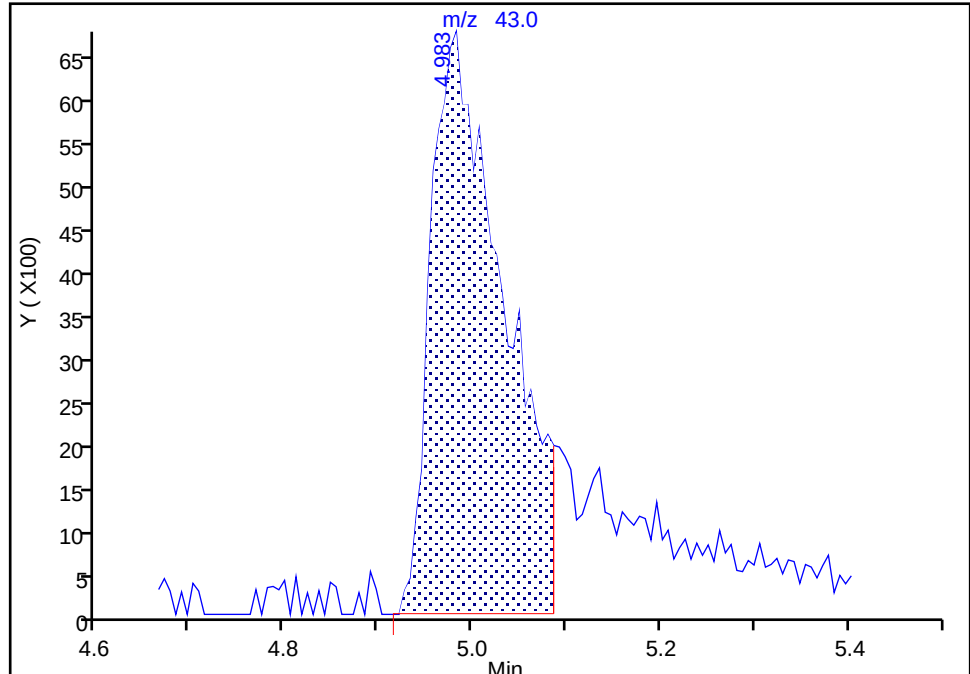
Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X04.D
Injection Date: 14-Oct-2024 19:05:30 Instrument ID: 19094
Lims ID: IC std3 1
Client ID:
Operator ID: gaw91131 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

35 Vinyl acetate, CAS: 108-05-4

Signal: 1

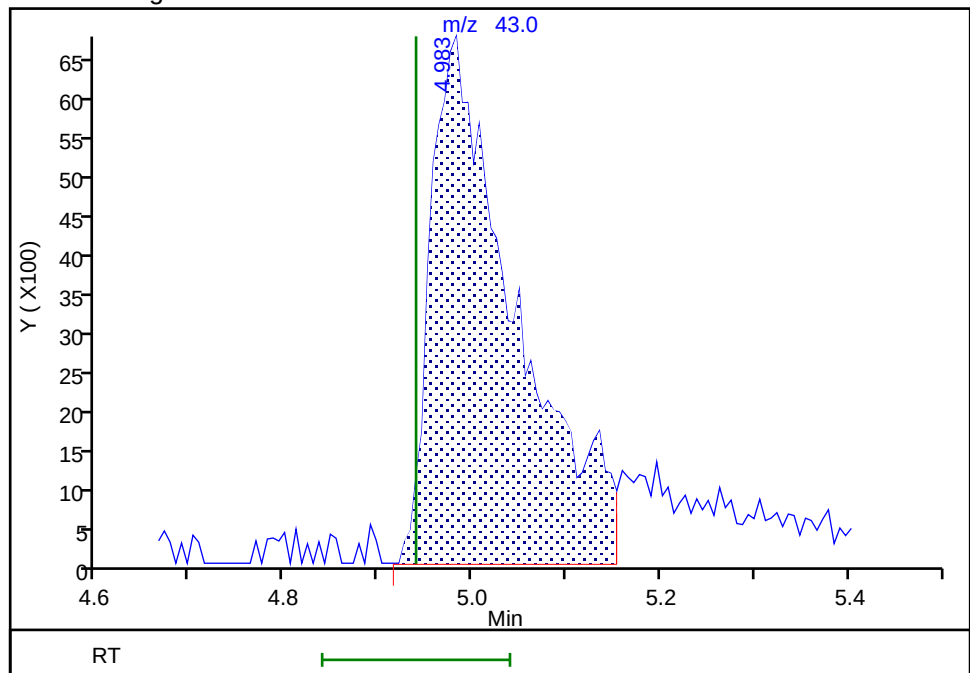
RT: 4.98
Area: 36745
Amount: 0.886138
Amount Units: ug/l

Processing Integration Results



RT: 4.98
Area: 42488
Amount: 0.873705
Amount Units: ug/l

Manual Integration Results



Reviewer: JS6E, 15-Oct-2024 00:24:09 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X05.D
 Lims ID: IC std4 2
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 14-Oct-2024 19:26:30 ALS Bottle#: 5 Worklist Smp#: 6
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0127661-006
 Misc. Info.: IC std4 2
 Operator ID: gaw91131 Instrument ID: 19094
 Sublist: chrom-MSV_19094_25mL*sub49
 Method: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\MSV_19094_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 17-Oct-2024 09:43:41 Calib Date: 15-Oct-2024 00:00:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1693

First Level Reviewer: JS6E

Date: 15-Oct-2024 00:18:24

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	1.812	0.007	95	44839	2.00	2.10	
3 Chlorodifluoromethane	51	1.861	1.861	0.000	97	134829	2.00	2.09	
4 Dimethyl ether	45	1.922	1.922	0.000	98	143061	2.00	2.10	M
8 2-Chloro-1,1,1-Trifluoroethane	118	2.203	2.202	0.001	34	112762	2.00	2.07	
25 Acetonitrile	41	3.806	3.727	0.079	19	33015	10.0	8.65	M
* 28 t-Butyl alcohol-d10 (IS)	65	3.928	3.903	0.025	22	75146	50.0	50.0	
35 Vinyl acetate	43	4.976	4.940	0.036	97	86964	2.00	1.77	
45 Ethyl acetate	43	5.854	5.842	0.012	99	36605	2.00	1.71	
61 Isopropyl acetate	43	7.092	7.092	0.000	97	104723	2.00	1.80	
* 64 Fluorobenzene (IS)	96	7.409	7.409	0.000	99	2079218	10.0	10.0	
75 n-Propyl acetate	61	8.427	8.421	0.006	100	17379	2.00	1.85	
78 2-Chloroethyl vinyl ether	63	8.970	8.963	0.007	91	36925	2.00	1.97	
110 n-Butyl acetate	43	10.408	10.402	0.006	99	90977	2.00	1.93	
* 113 Chlorobenzene-d5 (IS)	117	10.994	10.993	0.001	86	1487699	10.0	10.0	
124 cis-1,4-Dichloro-2-butene	88	11.914	11.914	0.000	27	33834	4.00	3.94	
125 Cyclohexanone	55	11.945	11.944	0.001	91	39288	100.0	92.8	
* 141 1,4-Dichlorobenzene-d4	152	12.908	12.908	0.000	95	827370	10.0	10.0	

QC Flag Legend

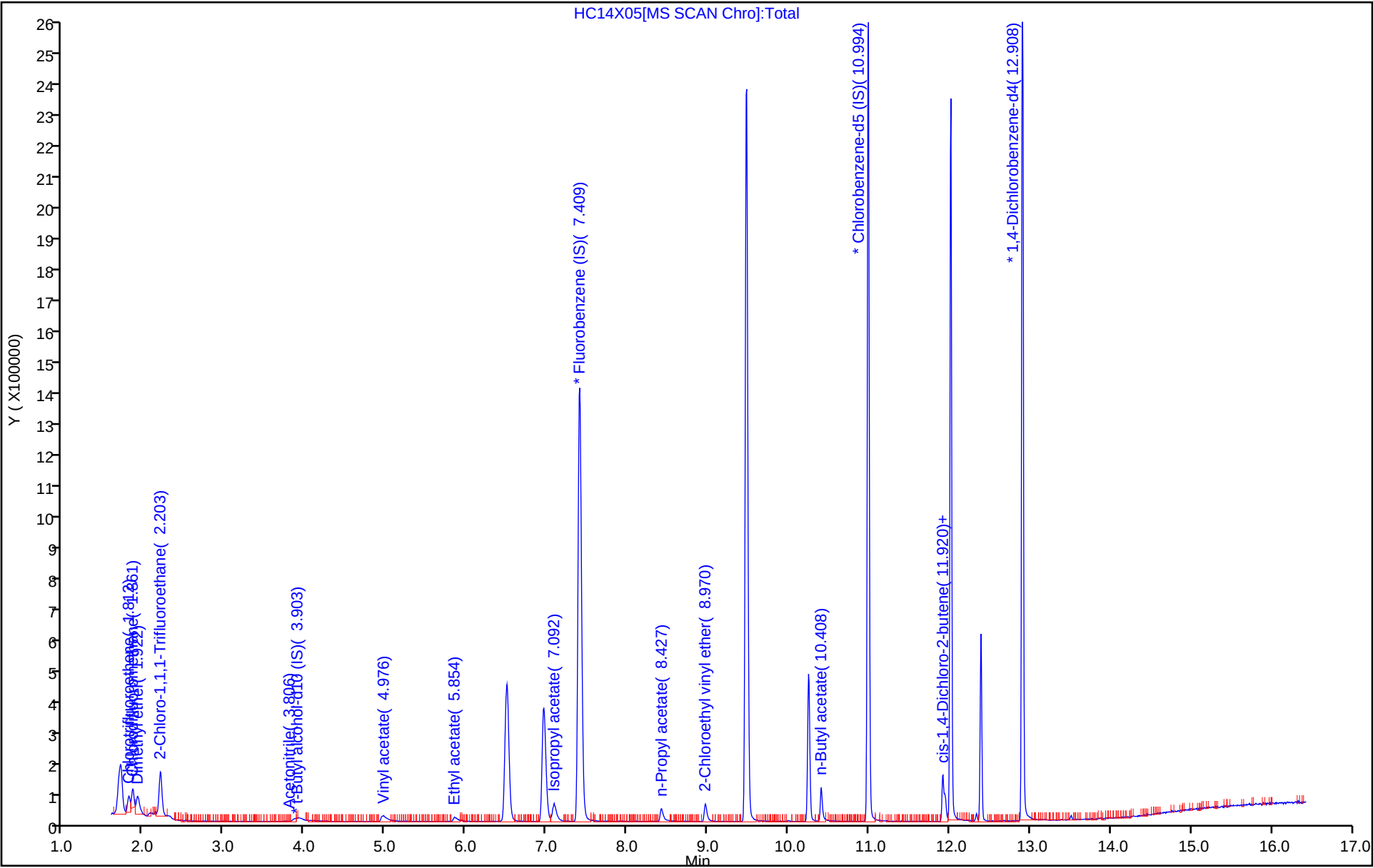
Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_V5ACE_00041	Amount Added: 1.00	Units: uL
MSV_CCV_CYC_00009	Amount Added: 8.00	Units: uL
MSV_V_SMRV4_00078	Amount Added: 5.00	Units: uL
MSV_DME_00061	Amount Added: 1.00	Units: uL
MSV_LLcentISO_00009	Amount Added: 5.00	Units: uL



Eurofins Lancaster Laboratories Environment Testing, LLC

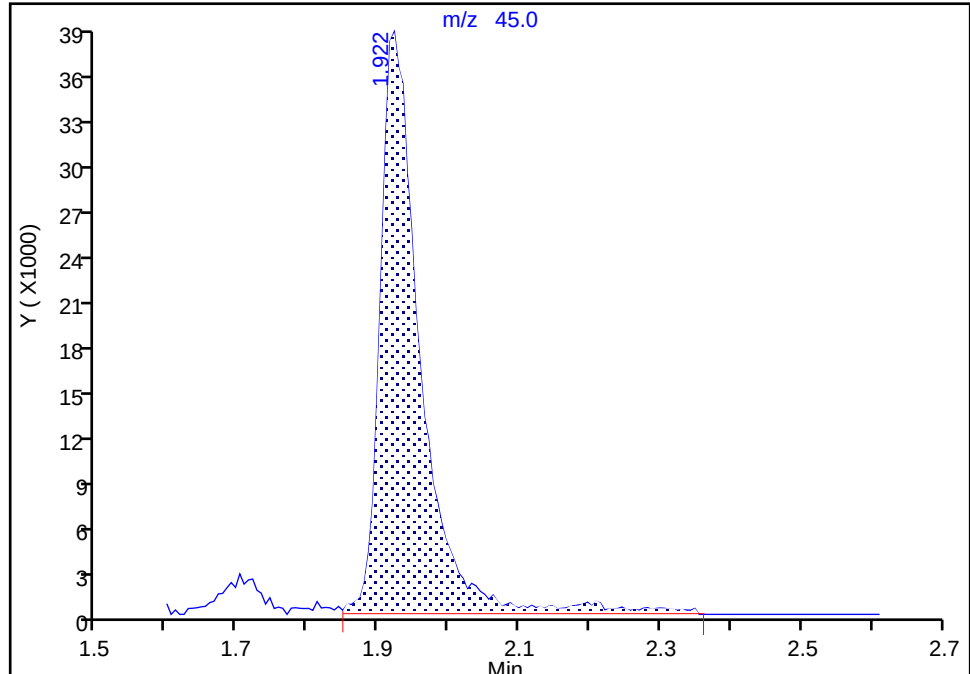
Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X05.D
Injection Date: 14-Oct-2024 19:26:30 Instrument ID: 19094
Lims ID: IC std4 2
Client ID:
Operator ID: gaw91131 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

4 Dimethyl ether, CAS: 115-10-6

Signal: 1

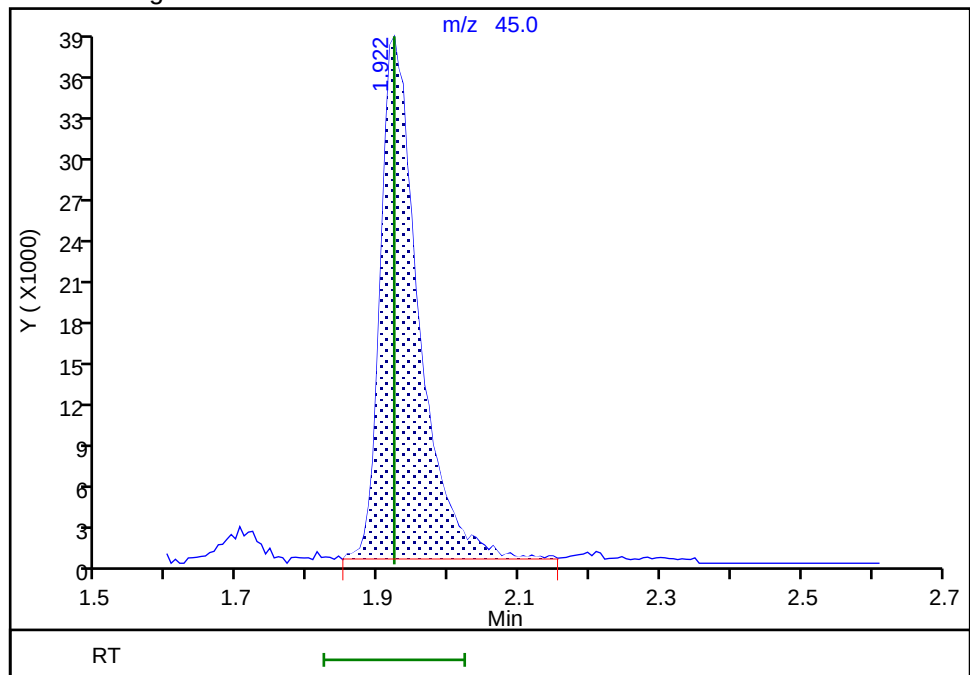
RT: 1.92
Area: 153383
Amount: 2.252287
Amount Units: ug/l

Processing Integration Results



RT: 1.92
Area: 143061
Amount: 2.102887
Amount Units: ug/l

Manual Integration Results



Reviewer: JS6E, 15-Oct-2024 00:18:55 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

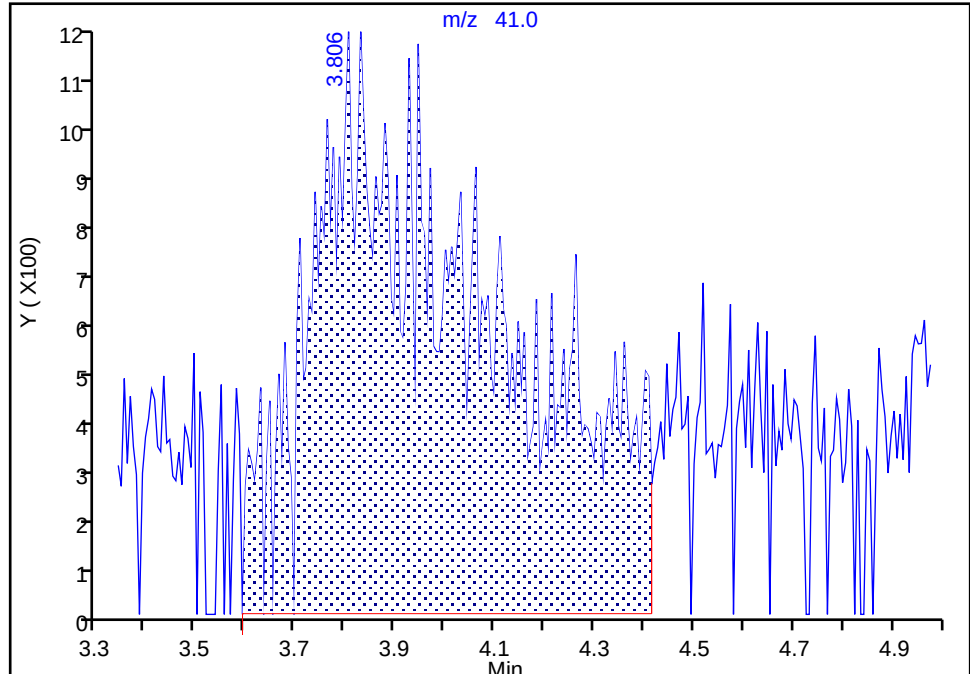
Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X05.D
Injection Date: 14-Oct-2024 19:26:30 Instrument ID: 19094
Lims ID: IC std4 2
Client ID:
Operator ID: gaw91131 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm i.d.) MS Quad

25 Acetonitrile, CAS: 75-05-8

Signal: 1

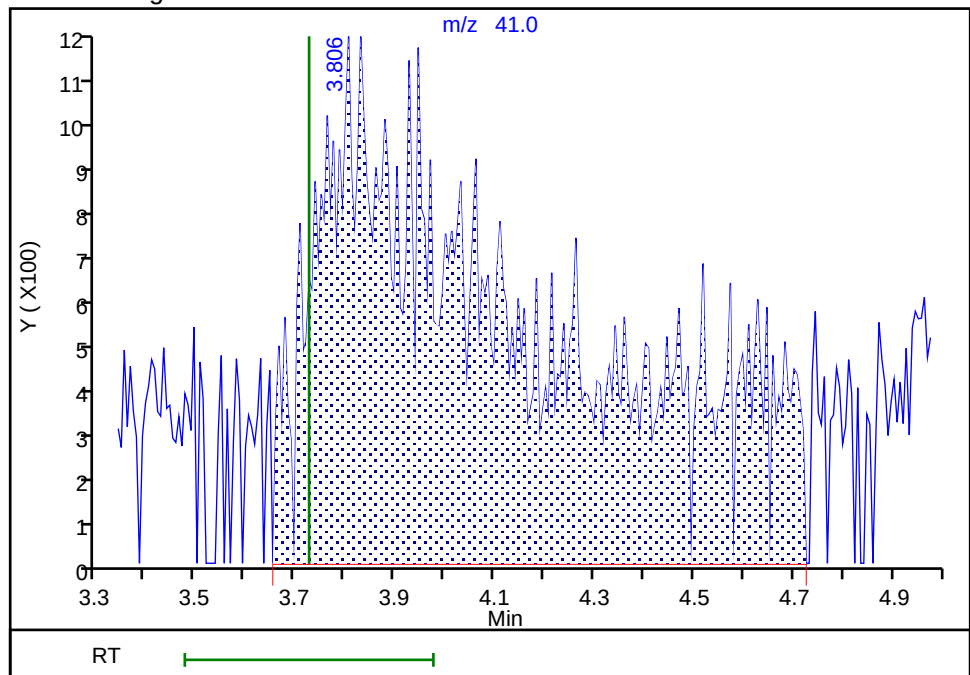
RT: 3.81
Area: 27212
Amount: 12.681285
Amount Units: ug/l

Processing Integration Results



RT: 3.81
Area: 33015
Amount: 8.651331
Amount Units: ug/l

Manual Integration Results



Reviewer: JS6E, 15-Oct-2024 00:19:21 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X06.D
 Lims ID: IC std5 5
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 14-Oct-2024 19:47:30 ALS Bottle#: 6 Worklist Smp#: 7
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0127661-007
 Misc. Info.: IC std5 5
 Operator ID: gaw91131 Instrument ID: 19094
 Sublist: chrom-MSV_19094_25mL*sub49
 Method: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\MSV_19094_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 17-Oct-2024 09:43:44 Calib Date: 15-Oct-2024 00:00:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1693

First Level Reviewer: JS6E

Date: 15-Oct-2024 00:18:11

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.806	1.812	-0.006	94	114536	5.00	5.36	
3 Chlorodifluoromethane	51	1.849	1.861	-0.012	97	317939	5.00	4.94	
4 Dimethyl ether	45	1.910	1.922	-0.012	99	341281	5.00	5.02	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.196	2.202	-0.006	34	275108	5.00	5.06	
25 Acetonitrile	41	3.708	3.727	-0.019	99	63169	25.0	26.7	M
* 28 t-Butyl alcohol-d10 (IS)	65	3.922	3.903	0.019	22	87547	50.0	50.0	
35 Vinyl acetate	43	4.946	4.940	0.006	97	234842	5.00	4.77	
45 Ethyl acetate	43	5.836	5.842	-0.006	99	110467	5.00	5.17	
61 Isopropyl acetate	43	7.086	7.092	-0.006	98	290548	5.00	5.00	
* 64 Fluorobenzene (IS)	96	7.403	7.409	-0.006	99	2078200	10.0	10.0	
75 n-Propyl acetate	61	8.415	8.421	-0.006	99	52893	5.00	5.63	
78 2-Chloroethyl vinyl ether	63	8.963	8.963	0.000	92	99396	5.00	5.30	
110 n-Butyl acetate	43	10.402	10.402	0.000	98	246275	5.00	5.19	
* 113 Chlorobenzene-d5 (IS)	117	10.993	10.993	0.000	86	1493515	10.0	10.0	
124 cis-1,4-Dichloro-2-butene	88	11.914	11.914	0.000	90	95916	10.0	11.1	
125 Cyclohexanone	55	11.945	11.944	0.001	93	107639	250.0	218.2	
* 141 1,4-Dichlorobenzene-d4	152	12.908	12.908	0.000	95	828983	10.0	10.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_V5ACE_00041	Amount Added: 1.00	Units: uL
MSV_CCV_CYC_00009	Amount Added: 8.00	Units: uL
MSV_V_SMRV4_00078	Amount Added: 5.00	Units: uL
MSV_DME_00061	Amount Added: 1.00	Units: uL
MSV_LLcentISO_00009	Amount Added: 5.00	Units: uL

Report Date: 17-Oct-2024 09:43:45

Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X06.D

Injection Date: 14-Oct-2024 19:47:30

Instrument ID: 19094

Operator ID: gaw91131

Lims ID: IC std5 5

Worklist Smp#: 7

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

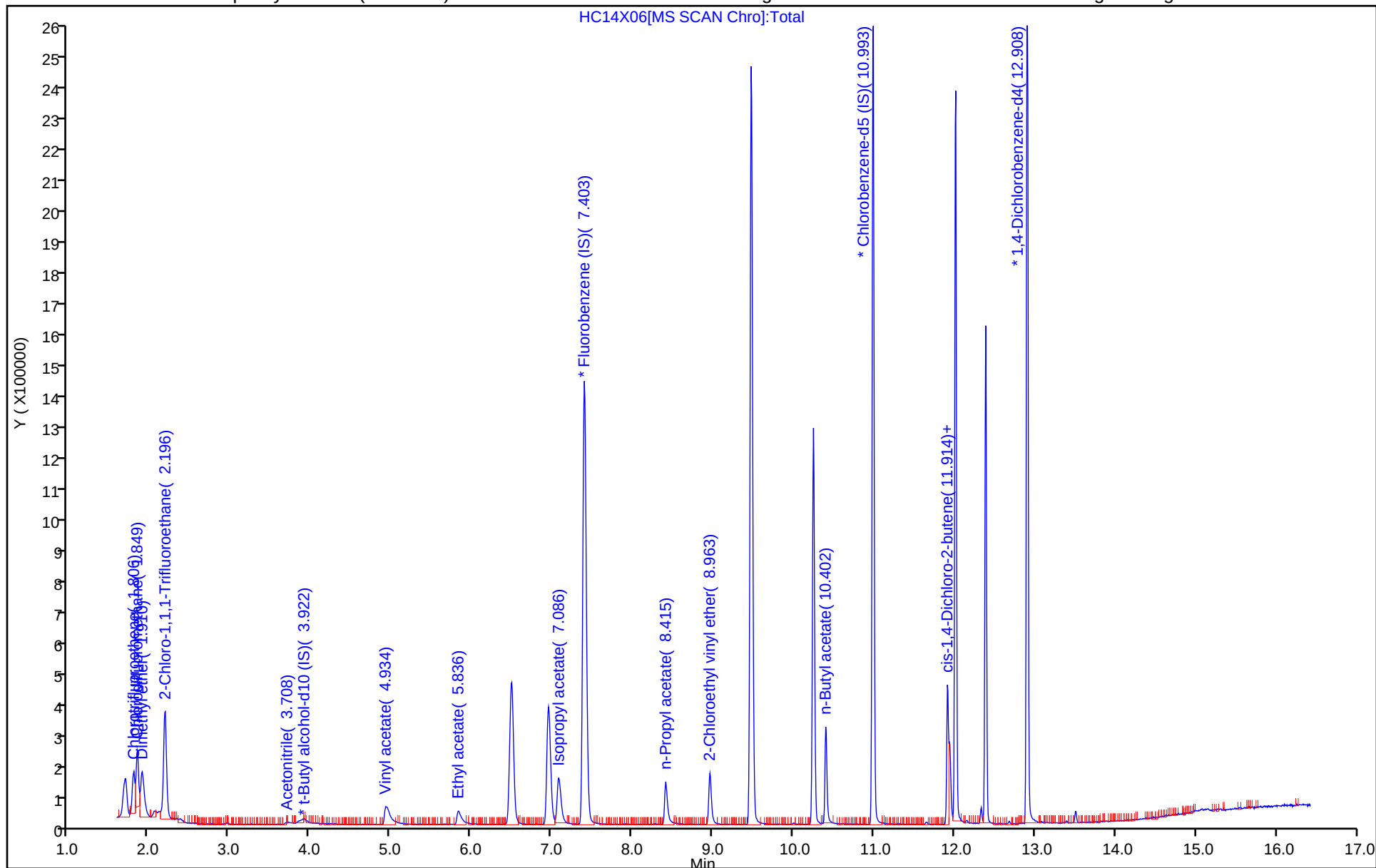
ALS Bottle#: 6

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

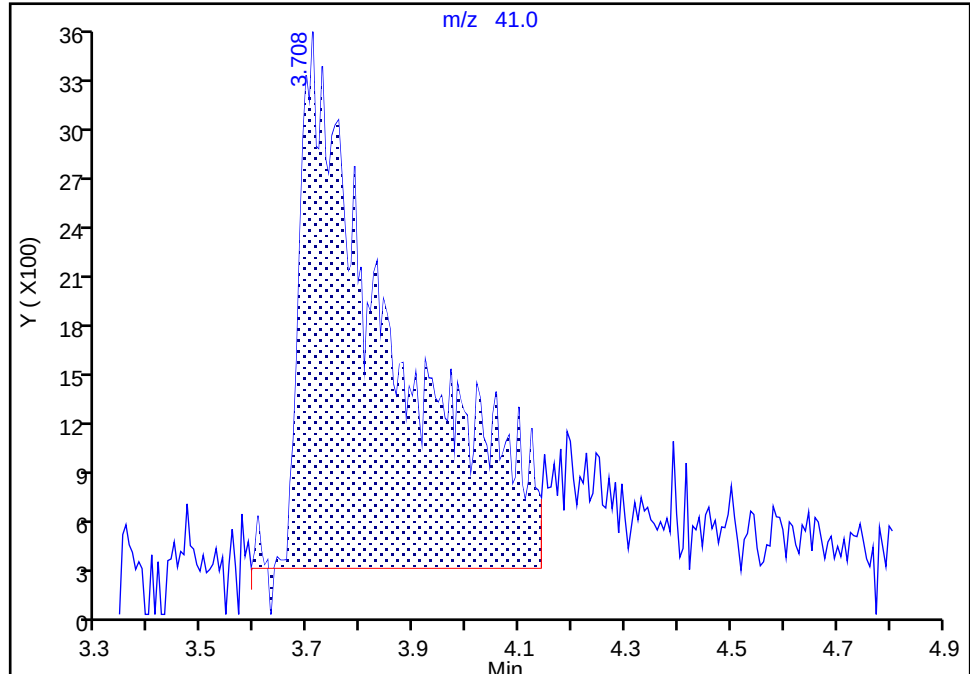
Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X06.D
Injection Date: 14-Oct-2024 19:47:30 Instrument ID: 19094
Lims ID: IC std5 5
Client ID:
Operator ID: gaw91131 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm i.d.) Detector: MS Quad

25 Acetonitrile, CAS: 75-05-8

Signal: 1

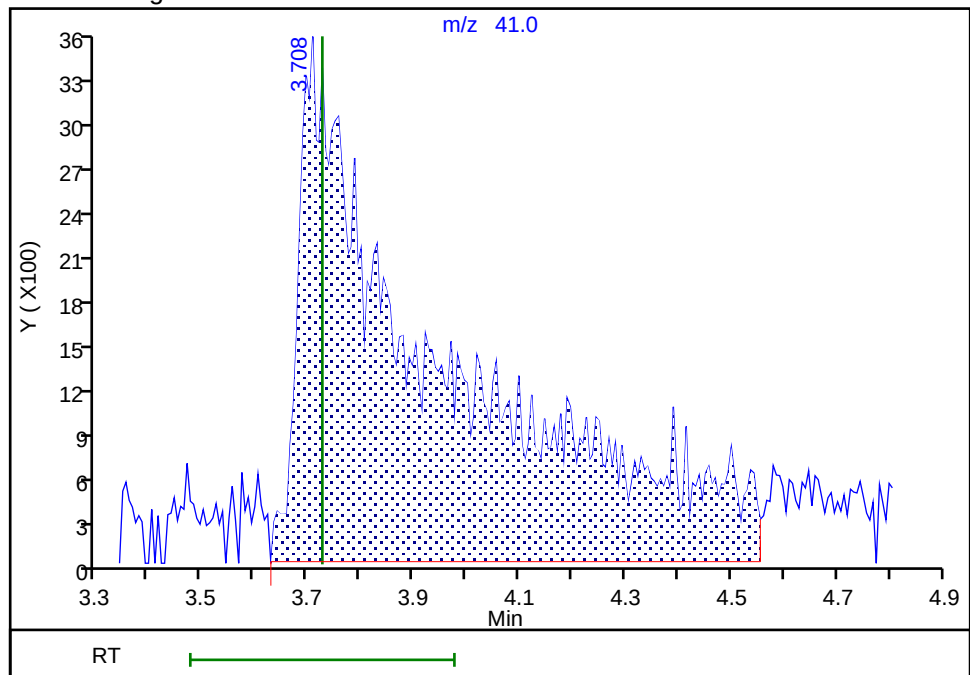
RT: 3.71
Area: 39165
Amount: 20.056262
Amount Units: ug/l

Processing Integration Results



RT: 3.71
Area: 63169
Amount: 26.720666
Amount Units: ug/l

Manual Integration Results



Reviewer: JS6E, 15-Oct-2024 00:40:06 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X07.D
 Lims ID: IC std6 10
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 14-Oct-2024 20:08:30 ALS Bottle#: 7 Worklist Smp#: 8
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0127661-008
 Misc. Info.: IC std6 10
 Operator ID: gaw91131 Instrument ID: 19094
 Sublist: chrom-MSV_19094_25mL*sub49
 Method: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\MSV_19094_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 17-Oct-2024 09:43:47 Calib Date: 15-Oct-2024 00:00:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1693

First Level Reviewer: JS6E

Date: 15-Oct-2024 00:13:58

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	248887	10.0	11.6	
3 Chlorodifluoromethane	51	1.861	1.861	0.000	97	636418	10.0	9.85	
4 Dimethyl ether	45	1.922	1.922	0.000	100	616402	10.0	9.04	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.202	2.202	0.000	34	555419	10.0	10.2	
25 Acetonitrile	41	3.727	3.727	0.000	98	105716	50.0	52.0	M
* 28 t-Butyl alcohol-d10 (IS)	65	3.916	3.916	0.000	25	81565	50.0	50.0	
35 Vinyl acetate	43	4.940	4.940	0.000	97	482353	10.0	9.77	
45 Ethyl acetate	43	5.842	5.842	0.000	99	227925	10.0	10.6	
61 Isopropyl acetate	43	7.092	7.092	0.000	98	565141	10.0	9.69	
* 64 Fluorobenzene (IS)	96	7.409	7.409	0.000	99	2085022	10.0	10.0	
75 n-Propyl acetate	61	8.421	8.421	0.000	99	107642	10.0	11.4	
78 2-Chloroethyl vinyl ether	63	8.963	8.963	0.000	91	197049	10.0	10.5	
110 n-Butyl acetate	43	10.402	10.402	0.000	98	497235	10.0	10.5	
* 113 Chlorobenzene-d5 (IS)	117	10.993	10.993	0.000	86	1494808	10.0	10.0	
124 cis-1,4-Dichloro-2-butene	88	11.914	11.914	0.000	90	192295	20.0	22.3	
125 Cyclohexanone	55	11.944	11.944	0.000	92	217978	500.0	474.4	
* 141 1,4-Dichlorobenzene-d4	152	12.908	12.908	0.000	95	820844	10.0	10.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_V5ACE_00041	Amount Added: 1.00	Units: uL
MSV_CCV_CYC_00009	Amount Added: 8.00	Units: uL
MSV_V_SMRV4_00078	Amount Added: 5.00	Units: uL
MSV_DME_00061	Amount Added: 1.00	Units: uL
MSV_LLcentISO_00009	Amount Added: 5.00	Units: uL

Report Date: 17-Oct-2024 09:43:48

Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X07.D

Injection Date: 14-Oct-2024 20:08:30

Instrument ID: 19094

Operator ID: gaw91131

Lims ID: IC std6 10

Worklist Smp#: 8

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

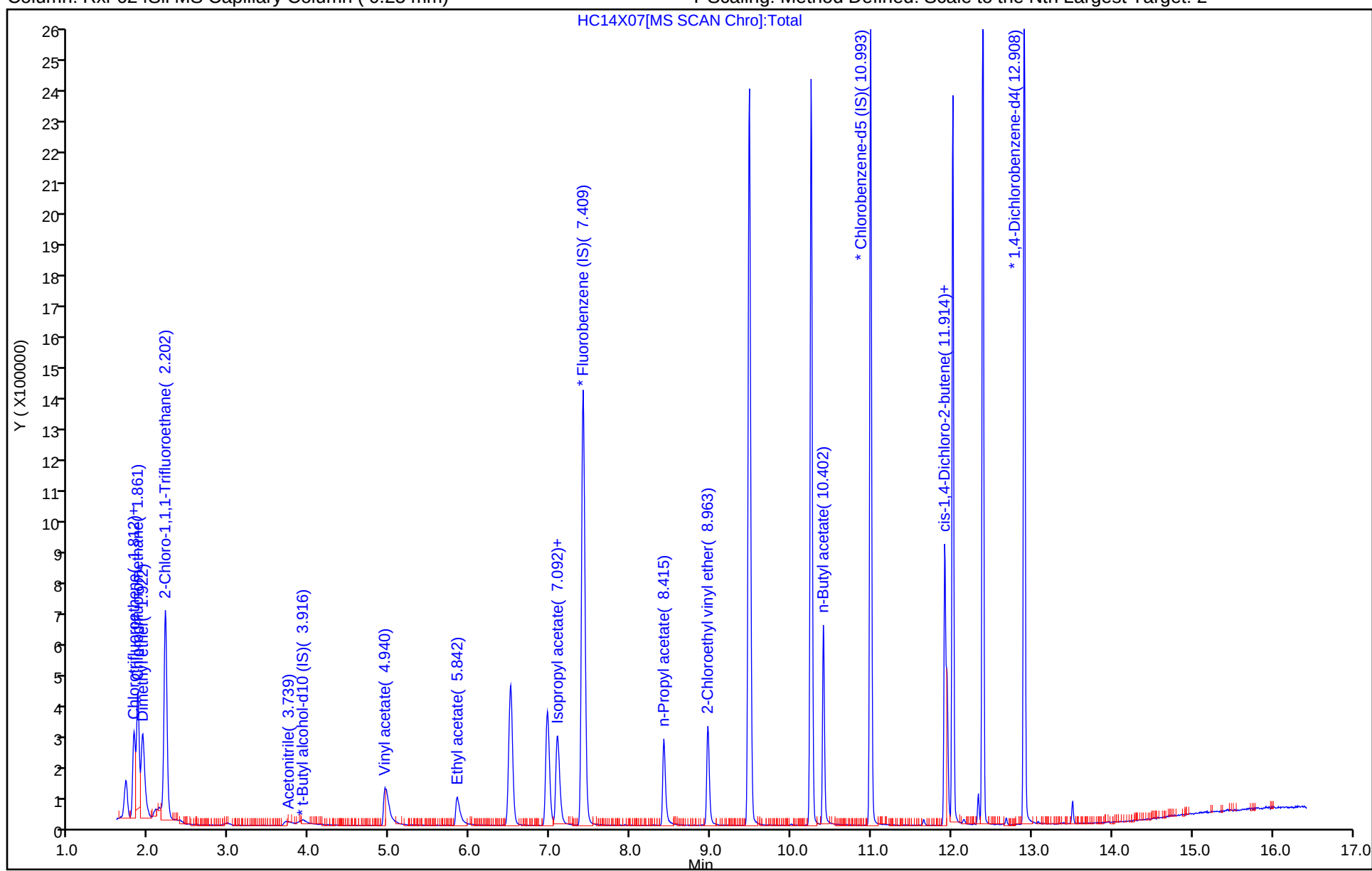
ALS Bottle#: 7

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

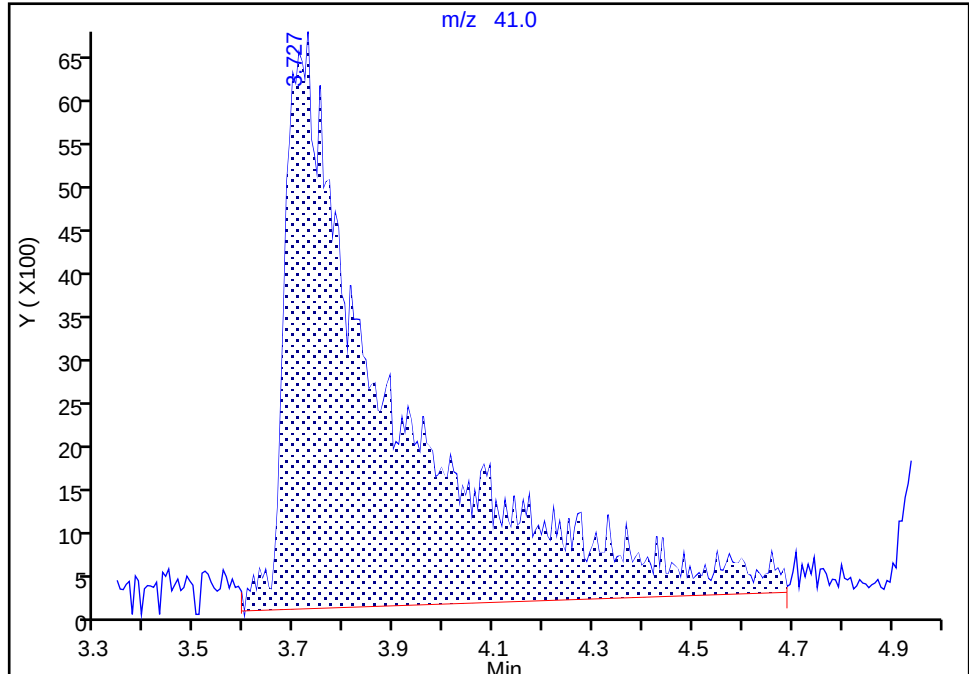
Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X07.D
Injection Date: 14-Oct-2024 20:08:30 Instrument ID: 19094
Lims ID: IC std6 10
Client ID:
Operator ID: gaw91131 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

25 Acetonitrile, CAS: 75-05-8

Signal: 1

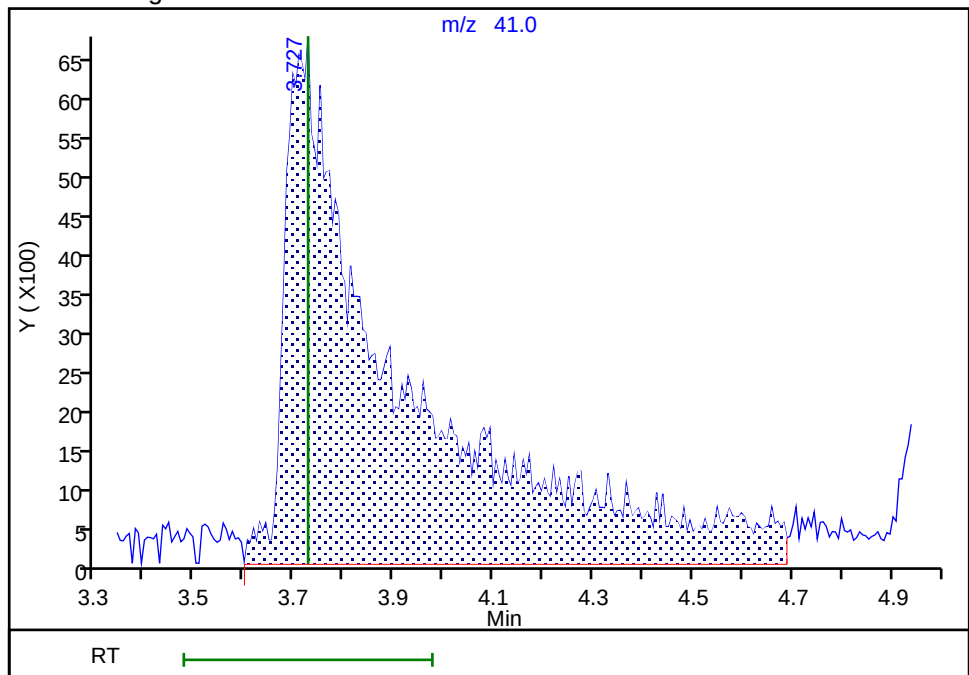
RT: 3.73
Area: 95651
Amount: 58.617703
Amount Units: ug/l

Processing Integration Results



RT: 3.73
Area: 105716
Amount: 51.995502
Amount Units: ug/l

Manual Integration Results



Reviewer: JS6E, 15-Oct-2024 00:39:28 -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\19094\20241014-127661.b\HC14X08.D
 Lims ID: IC std7 25
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 14-Oct-2024 20:29:30 ALS Bottle#: 8 Worklist Smp#: 9
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0127661-009
 Misc. Info.: IC std7 25
 Operator ID: gaw91131 Instrument ID: 19094
 Sublist: chrom-MSV_19094_25mL*sub49
 Method: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\MSV_19094_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 17-Oct-2024 09:43:52 Calib Date: 15-Oct-2024 00:00:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1693

First Level Reviewer: JS6E

Date: 15-Oct-2024 00:16:38

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.806	1.812	-0.006	93	609123	25.0	28.4	
3 Chlorodifluoromethane	51	1.849	1.861	-0.012	97	1567217	25.0	24.2	
4 Dimethyl ether	45	1.910	1.922	-0.012	99	1583530	25.0	23.2	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.190	2.202	-0.012	34	1364953	25.0	25.0	
25 Acetonitrile	41	3.684	3.727	-0.043	99	226537	125.0	124.0	M
* 28 t-Butyl alcohol-d10 (IS)	65	3.910	3.916	-0.006	1	72189	50.0	50.0	
35 Vinyl acetate	43	4.928	4.940	-0.012	97	1233249	25.0	25.0	
45 Ethyl acetate	43	5.824	5.842	-0.018	99	595416	25.0	27.8	
61 Isopropyl acetate	43	7.080	7.092	-0.012	98	1447791	25.0	24.8	
* 64 Fluorobenzene (IS)	96	7.403	7.409	-0.006	99	2086550	10.0	10.0	
75 n-Propyl acetate	61	8.409	8.421	-0.012	99	290046	25.0	30.8	
78 2-Chloroethyl vinyl ether	63	8.957	8.963	-0.006	92	508357	25.0	27.0	
110 n-Butyl acetate	43	10.402	10.402	0.000	98	1286845	25.0	26.8	
* 113 Chlorobenzene-d5 (IS)	117	10.994	10.993	0.001	86	1514301	10.0	10.0	
124 cis-1,4-Dichloro-2-butene	88	11.914	11.914	0.000	97	498900	50.0	57.1	
125 Cyclohexanone	55	11.945	11.944	0.001	92	439453	1250.1	1080.5	
* 141 1,4-Dichlorobenzene-d4	152	12.908	12.908	0.000	95	840193	10.0	10.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_V5ACE_00041	Amount Added: 2.50	Units: uL
MSV_CCV_CYC_00009	Amount Added: 20.00	Units: uL
MSV_V_SMRV4_00078	Amount Added: 12.50	Units: uL
MSV_DME_00061	Amount Added: 2.50	Units: uL
MSV_LLcentISO_00009	Amount Added: 5.00	Units: uL

Report Date: 17-Oct-2024 09:43:53

Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X08.D

Injection Date: 14-Oct-2024 20:29:30

Instrument ID: 19094

Operator ID: gaw91131

Lims ID: IC std7 25

Worklist Smp#: 9

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

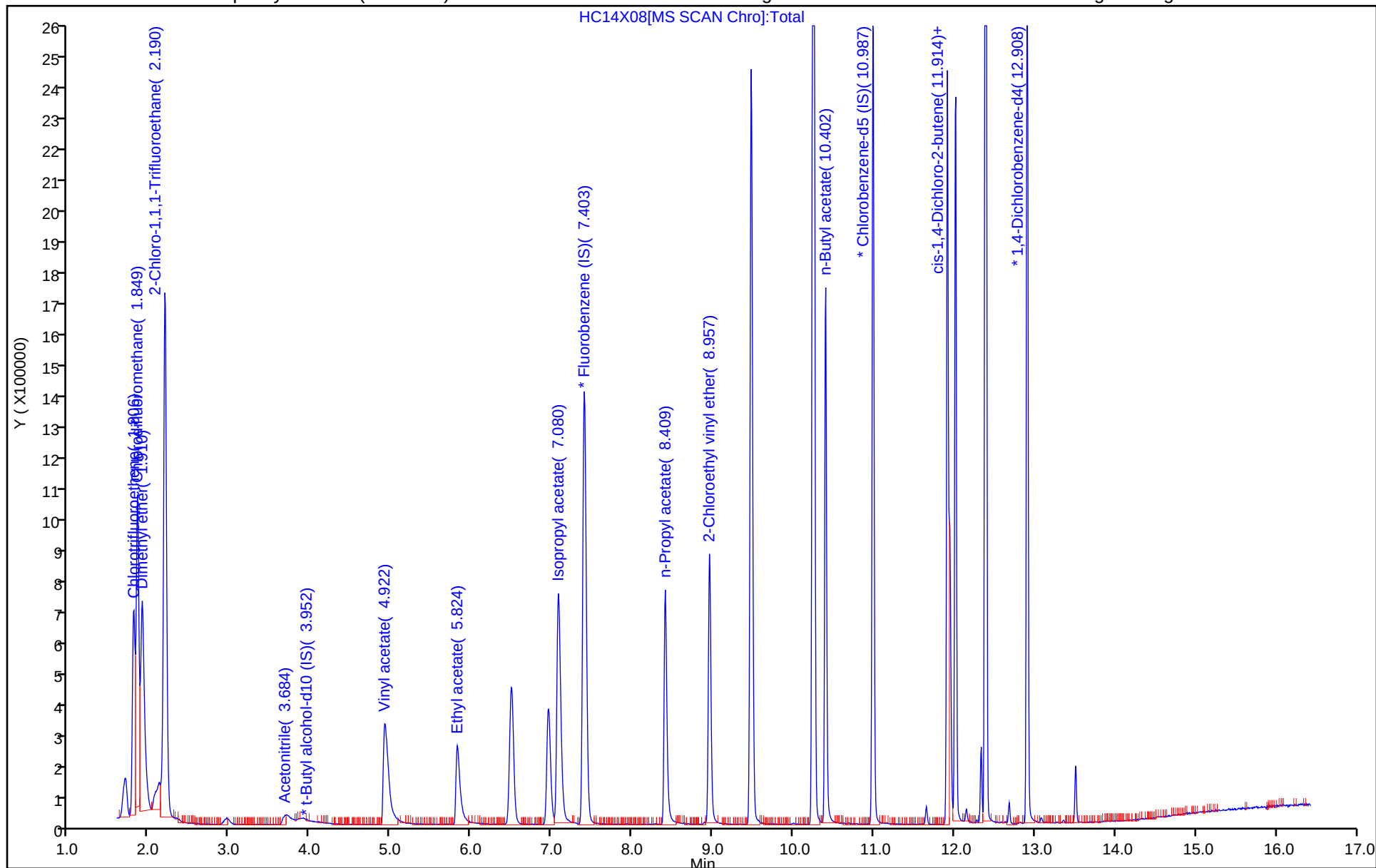
ALS Bottle#: 8

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

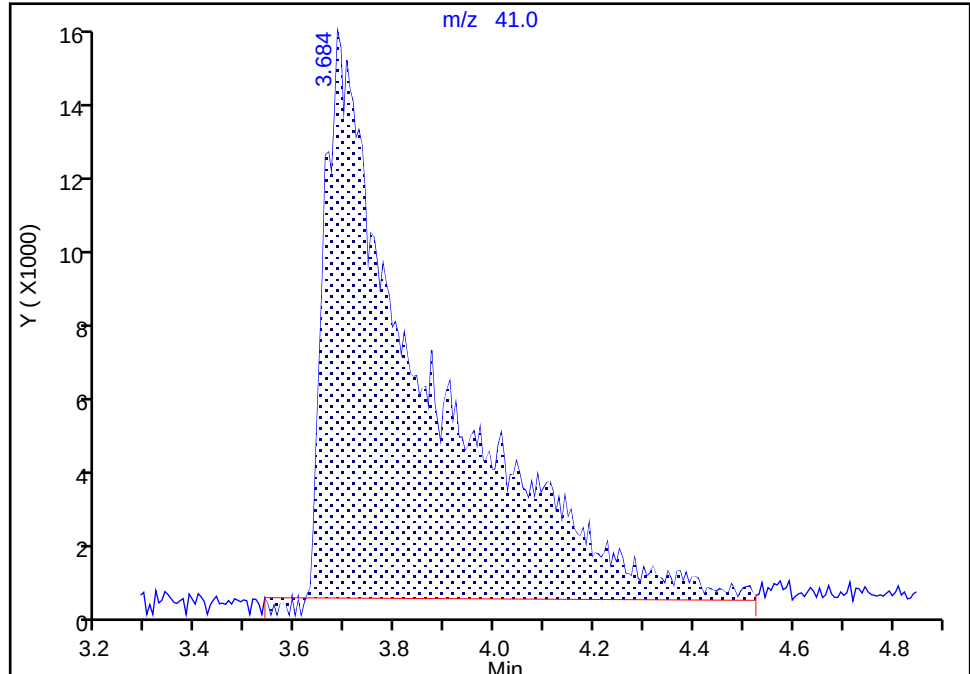
Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X08.D
Injection Date: 14-Oct-2024 20:29:30 Instrument ID: 19094
Lims ID: IC std7 25
Client ID:
Operator ID: gaw91131 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

25 Acetonitrile, CAS: 75-05-8

Signal: 1

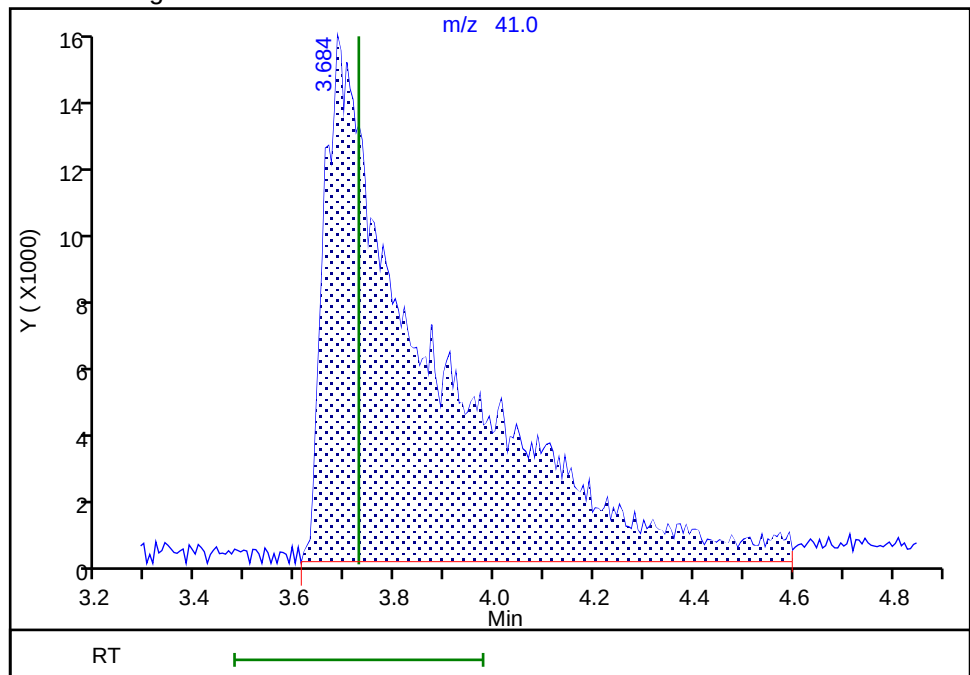
RT: 3.68
Area: 202048
Amount: 104.9705
Amount Units: ug/l

Processing Integration Results



RT: 3.68
Area: 226537
Amount: 124.0211
Amount Units: ug/l

Manual Integration Results



Reviewer: JS6E, 15-Oct-2024 00:16:19 -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

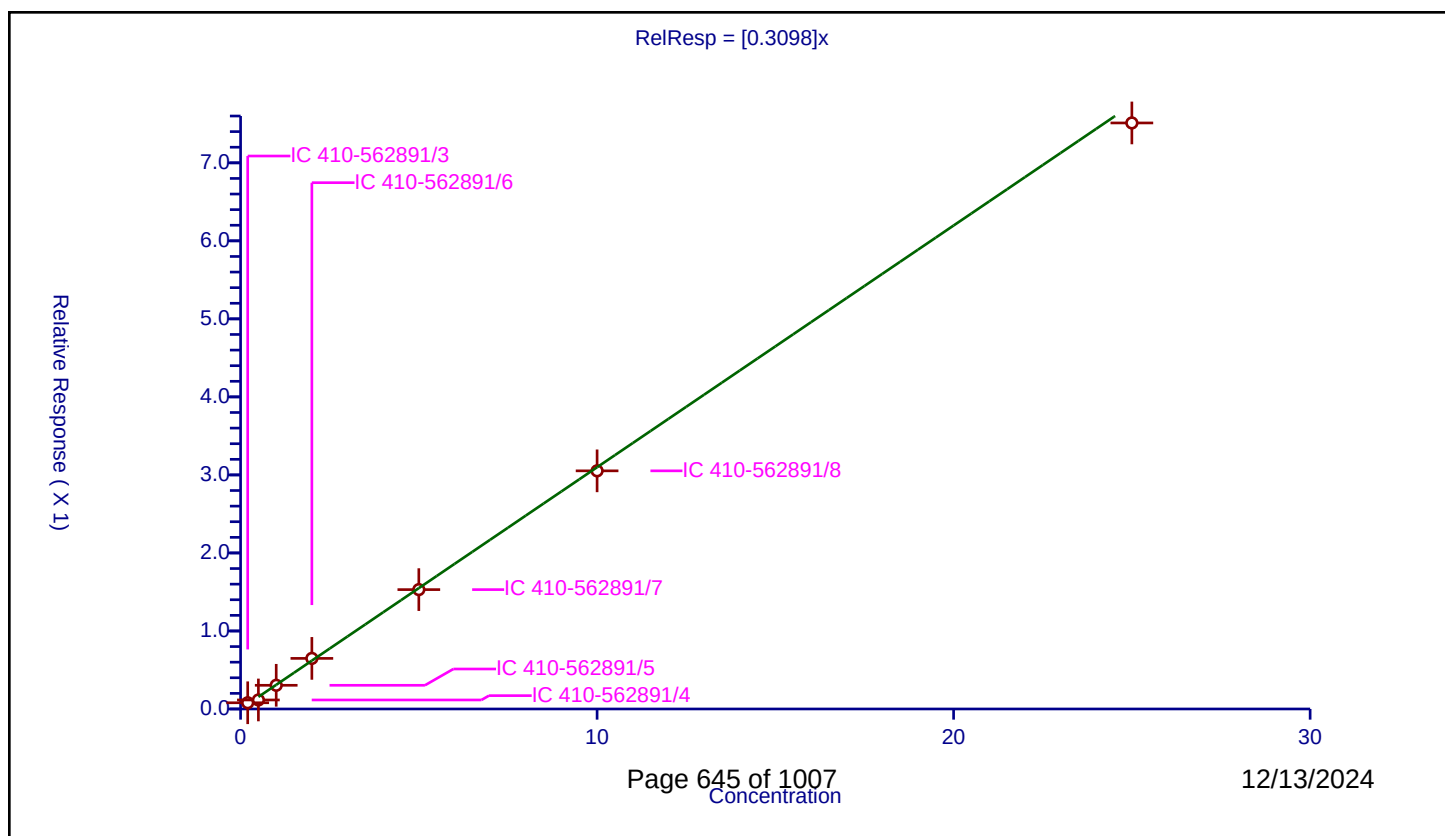
Curve Coefficients

Intercept: 0
Slope: 0.3098

Error Coefficients

Relative Standard Deviation: 15.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/3	0.2	0.079653	10.0	2066465.0	0.398265	Y
2	IC 410-562891/4	0.5	0.115524	10.0	2042267.0	0.231047	Y
3	IC 410-562891/5	1.0	0.303586	10.0	2054047.0	0.303586	Y
4	IC 410-562891/6	2.0	0.64846	10.0	2079218.0	0.32423	Y
5	IC 410-562891/7	5.0	1.529877	10.0	2078200.0	0.305975	Y
6	IC 410-562891/8	10.0	3.052332	10.0	2085022.0	0.305233	Y
7	IC 410-562891/9	25.0	7.511045	10.0	2086550.0	0.300442	Y



Calibration

/ Dimethyl ether

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

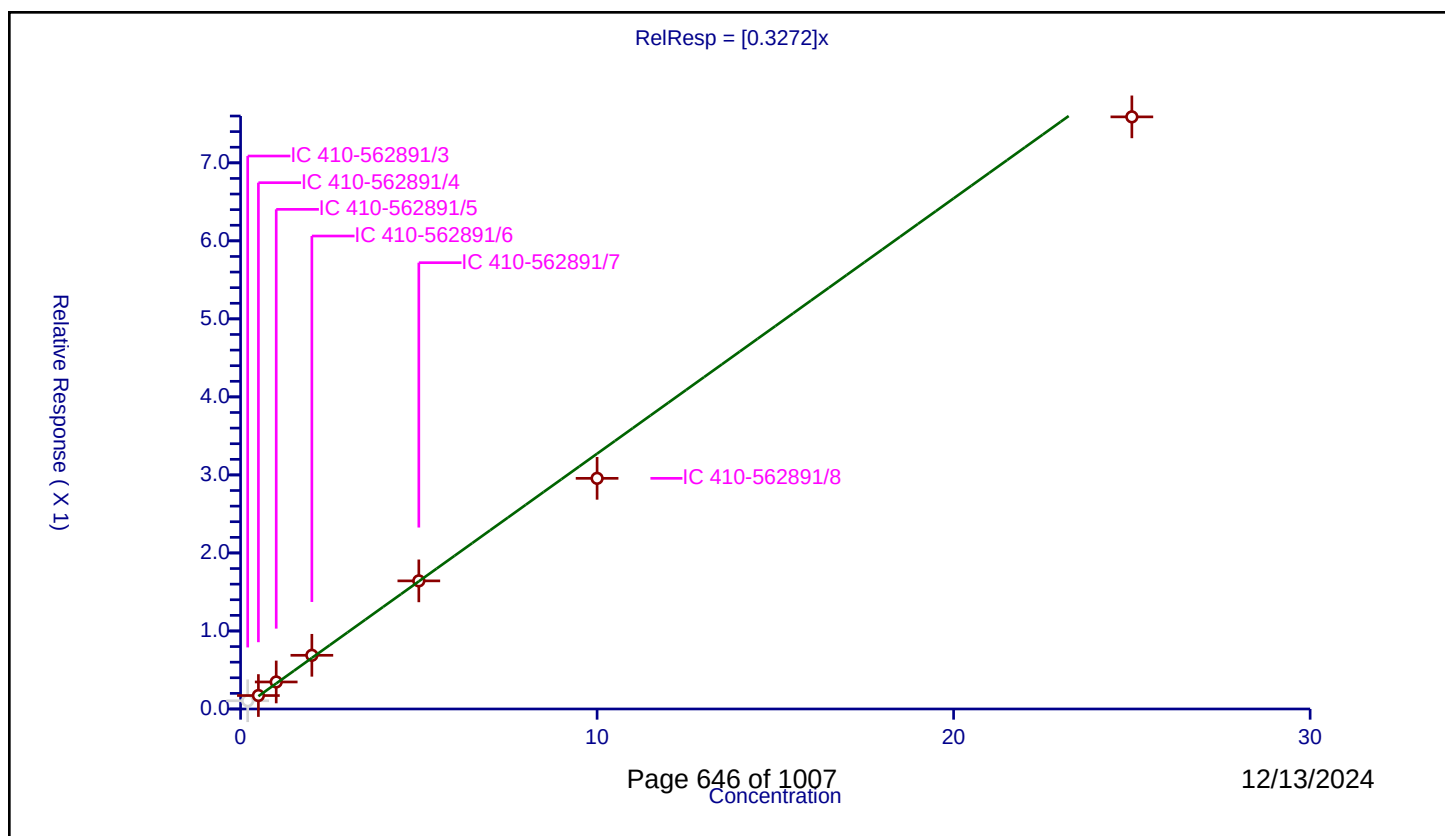
Curve Coefficients

Intercept: 0
Slope: 0.3272

Error Coefficients

Relative Standard Deviation: 6.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/3	0.2	0.105514	10.0	2066465.0	0.527568	N
2	IC 410-562891/4	0.5	0.172553	10.0	2042267.0	0.345107	Y
3	IC 410-562891/5	1.0	0.346389	10.0	2054047.0	0.346389	Y
4	IC 410-562891/6	2.0	0.688052	10.0	2079218.0	0.344026	Y
5	IC 410-562891/7	5.0	1.642195	10.0	2078200.0	0.328439	Y
6	IC 410-562891/8	10.0	2.956333	10.0	2085022.0	0.295633	Y
7	IC 410-562891/9	25.0	7.589226	10.0	2086550.0	0.303569	Y



Calibration

/ Acetonitrile

Curve Type: Linear
Weighting: None
Origin: None
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

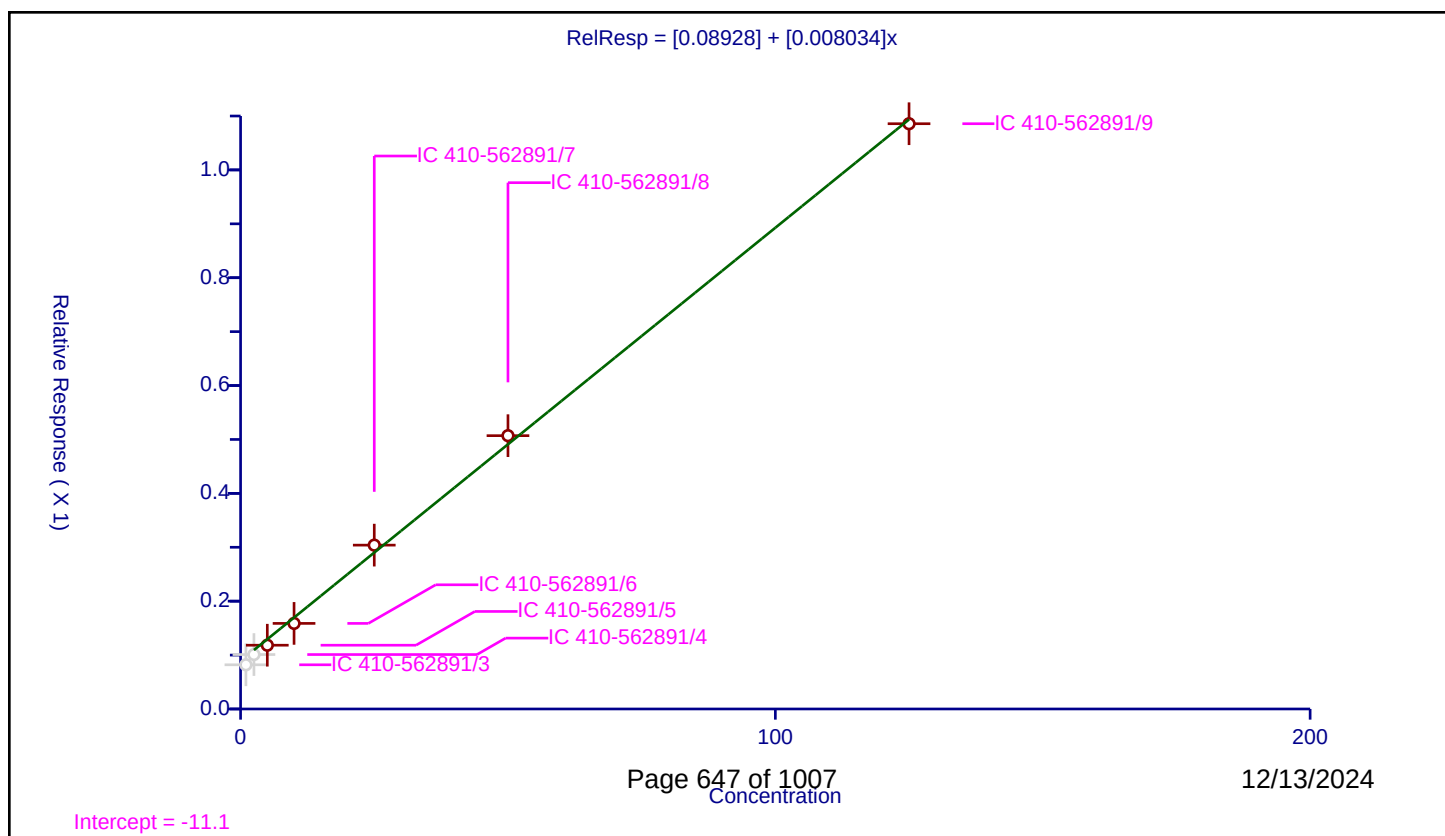
Curve Coefficients

Intercept: 0.08928
Slope: 0.008034

Error Coefficients

Relative Standard Deviation: 18.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/3	1.0	0.082	10.0	2066465.0	0.082	N
2	IC 410-562891/4	2.5	0.10101	10.0	2042267.0	0.040404	N
3	IC 410-562891/5	5.0	0.118293	10.0	2054047.0	0.023659	Y
4	IC 410-562891/6	10.0	0.158786	10.0	2079218.0	0.015879	Y
5	IC 410-562891/7	25.0	0.30396	10.0	2078200.0	0.012158	Y
6	IC 410-562891/8	50.0	0.507026	10.0	2085022.0	0.010141	Y
7	IC 410-562891/9	125.0	1.085701	10.0	2086550.0	0.008686	Y



Calibration

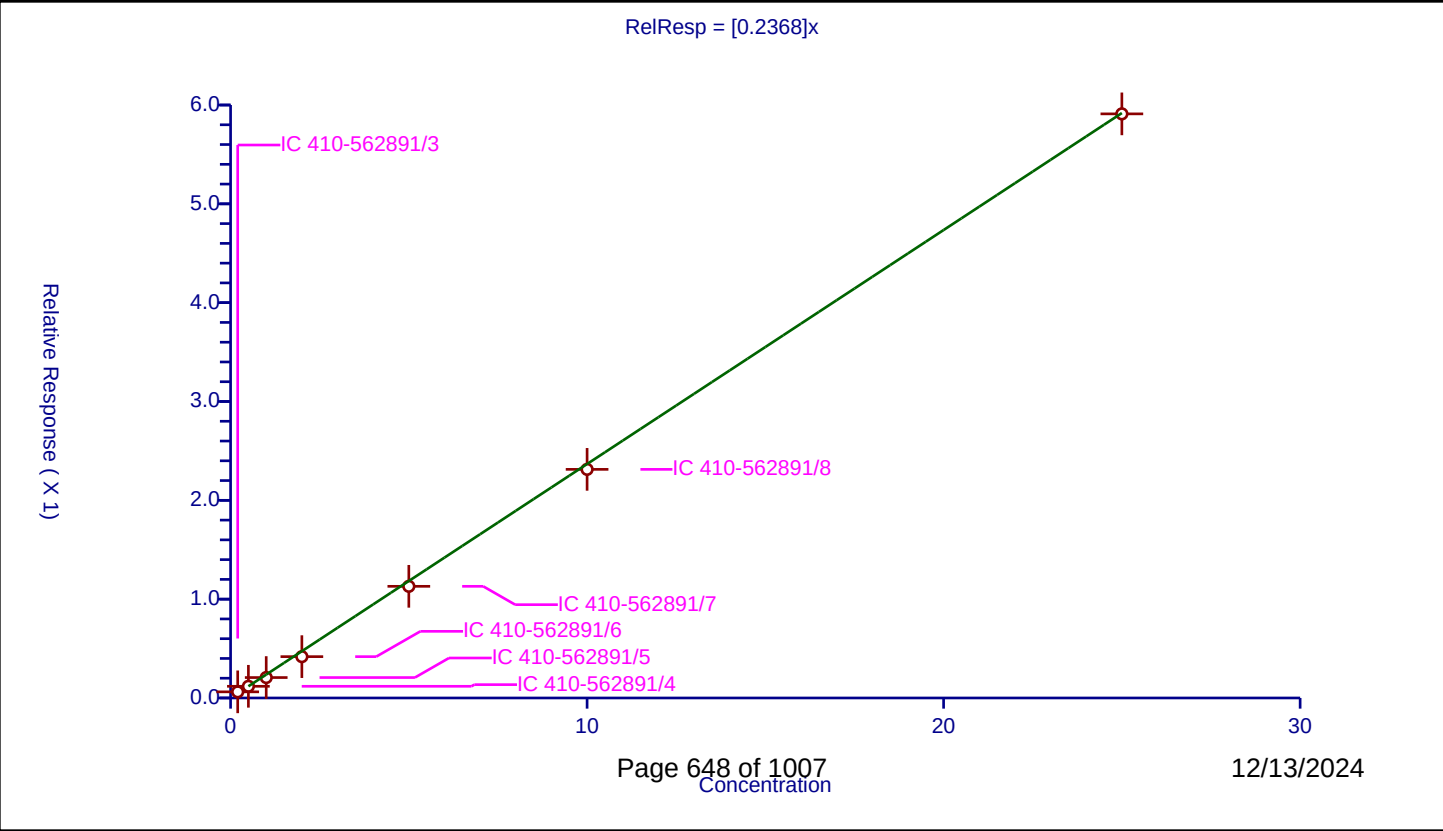
/ Vinyl acetate

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.2368
Error Coefficients	

Relative Standard Deviation: 14.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/3	0.2	0.062208	10.0	2066465.0	0.311038	Y
2	IC 410-562891/4	0.5	0.118236	10.0	2042267.0	0.236473	Y
3	IC 410-562891/5	1.0	0.20685	10.0	2054047.0	0.20685	Y
4	IC 410-562891/6	2.0	0.418253	10.0	2079218.0	0.209127	Y
5	IC 410-562891/7	5.0	1.130026	10.0	2078200.0	0.226005	Y
6	IC 410-562891/8	10.0	2.313419	10.0	2085022.0	0.231342	Y
7	IC 410-562891/9	25.0	5.910469	10.0	2086550.0	0.236419	Y



Calibration

/ Ethyl acetate

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

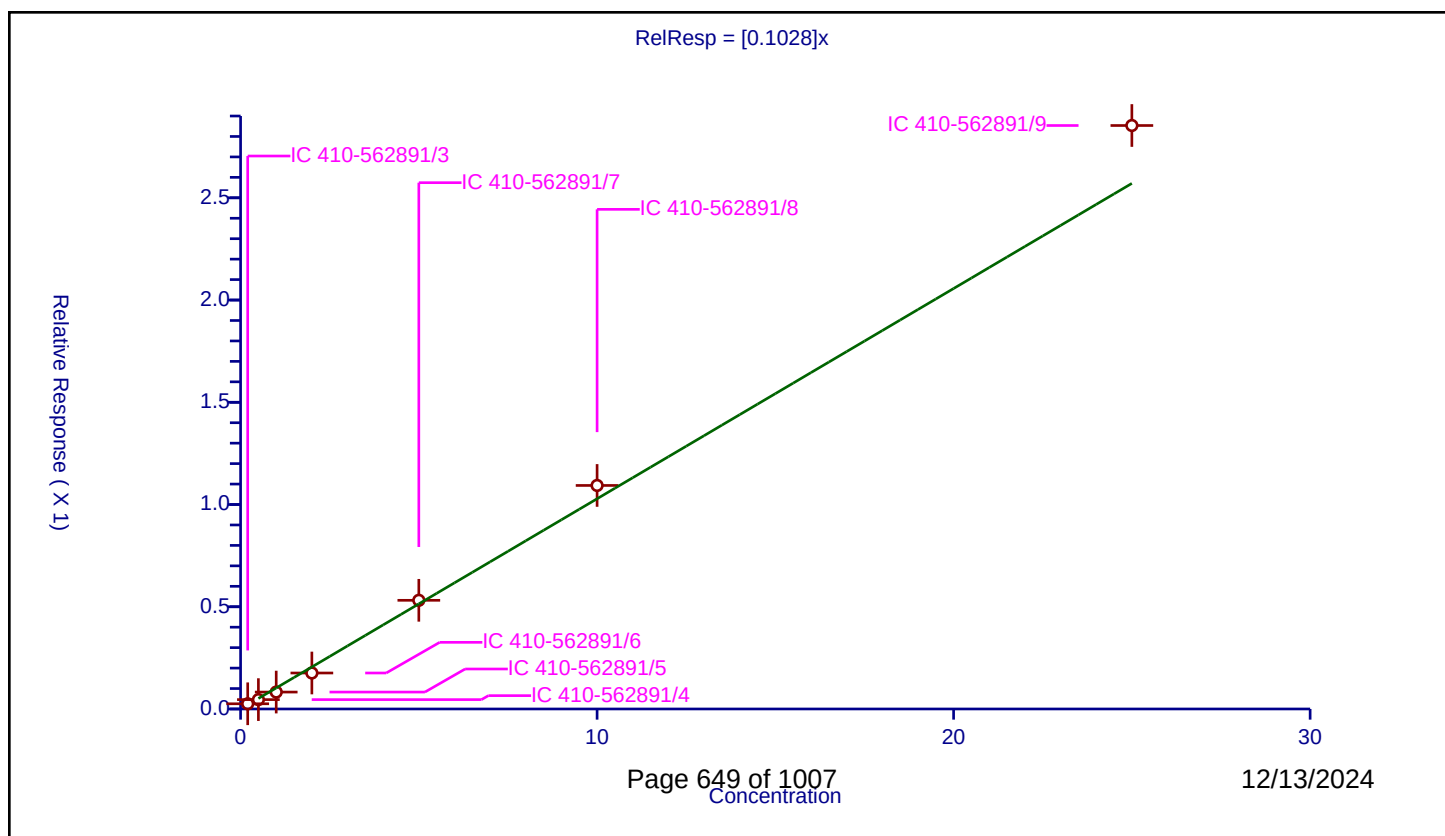
Curve Coefficients

Intercept: 0
Slope: 0.1028

Error Coefficients

Relative Standard Deviation: 15.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/3	0.2	0.025512	10.0	2066465.0	0.127561	Y
2	IC 410-562891/4	0.5	0.045792	10.0	2042267.0	0.091584	Y
3	IC 410-562891/5	1.0	0.082783	10.0	2054047.0	0.082783	Y
4	IC 410-562891/6	2.0	0.176052	10.0	2079218.0	0.088026	Y
5	IC 410-562891/7	5.0	0.531551	10.0	2078200.0	0.10631	Y
6	IC 410-562891/8	10.0	1.093154	10.0	2085022.0	0.109315	Y
7	IC 410-562891/9	25.0	2.853591	10.0	2086550.0	0.114144	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

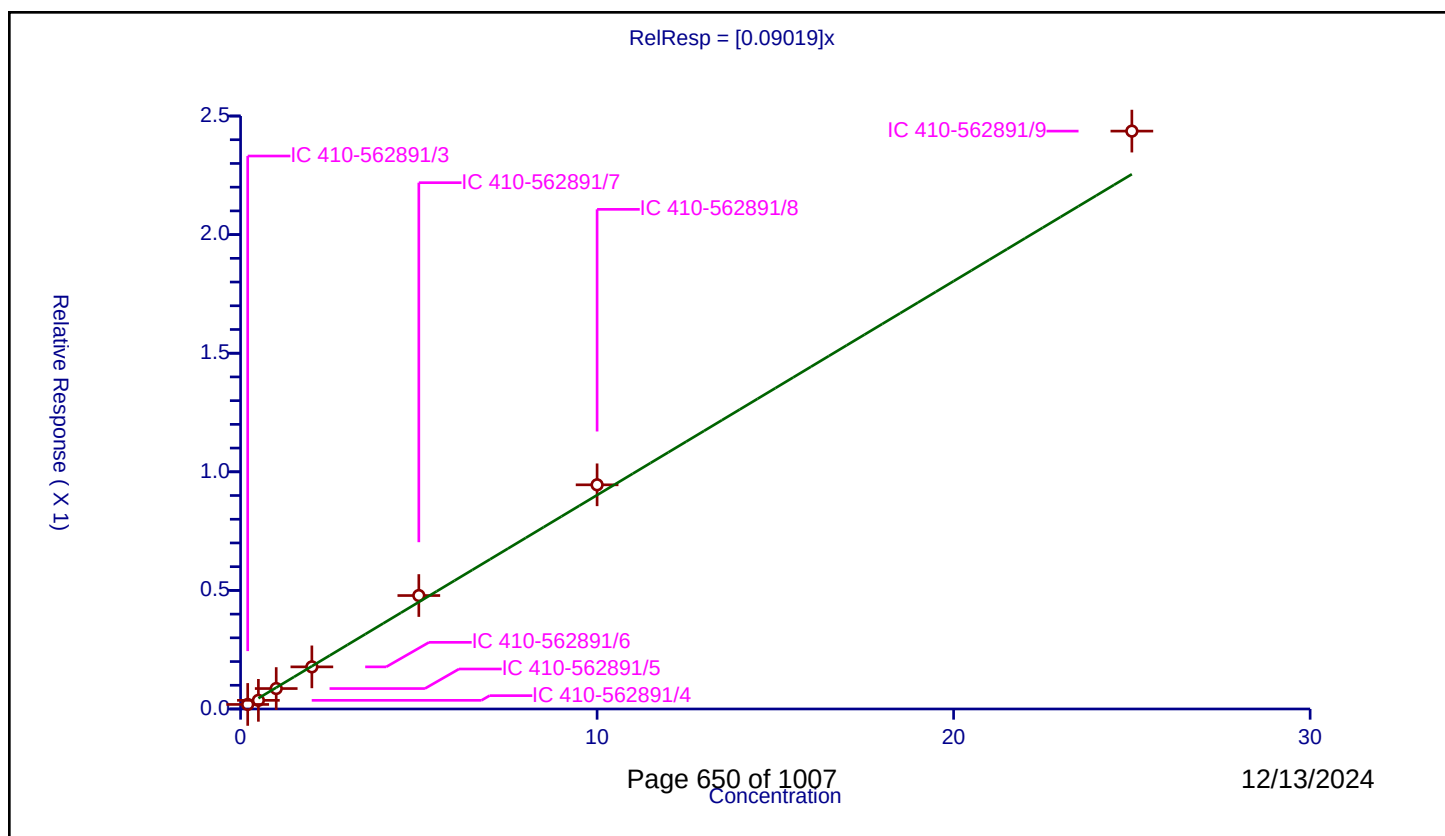
Curve Coefficients

Intercept: 0
Slope: 0.09019

Error Coefficients

Relative Standard Deviation: 9.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/3	0.2	0.019144	10.0	2066465.0	0.095719	Y
2	IC 410-562891/4	0.5	0.036489	10.0	2042267.0	0.072978	Y
3	IC 410-562891/5	1.0	0.086205	10.0	2054047.0	0.086205	Y
4	IC 410-562891/6	2.0	0.177591	10.0	2079218.0	0.088795	Y
5	IC 410-562891/7	5.0	0.478279	10.0	2078200.0	0.095656	Y
6	IC 410-562891/8	10.0	0.945069	10.0	2085022.0	0.094507	Y
7	IC 410-562891/9	25.0	2.436352	10.0	2086550.0	0.097454	Y



Calibration

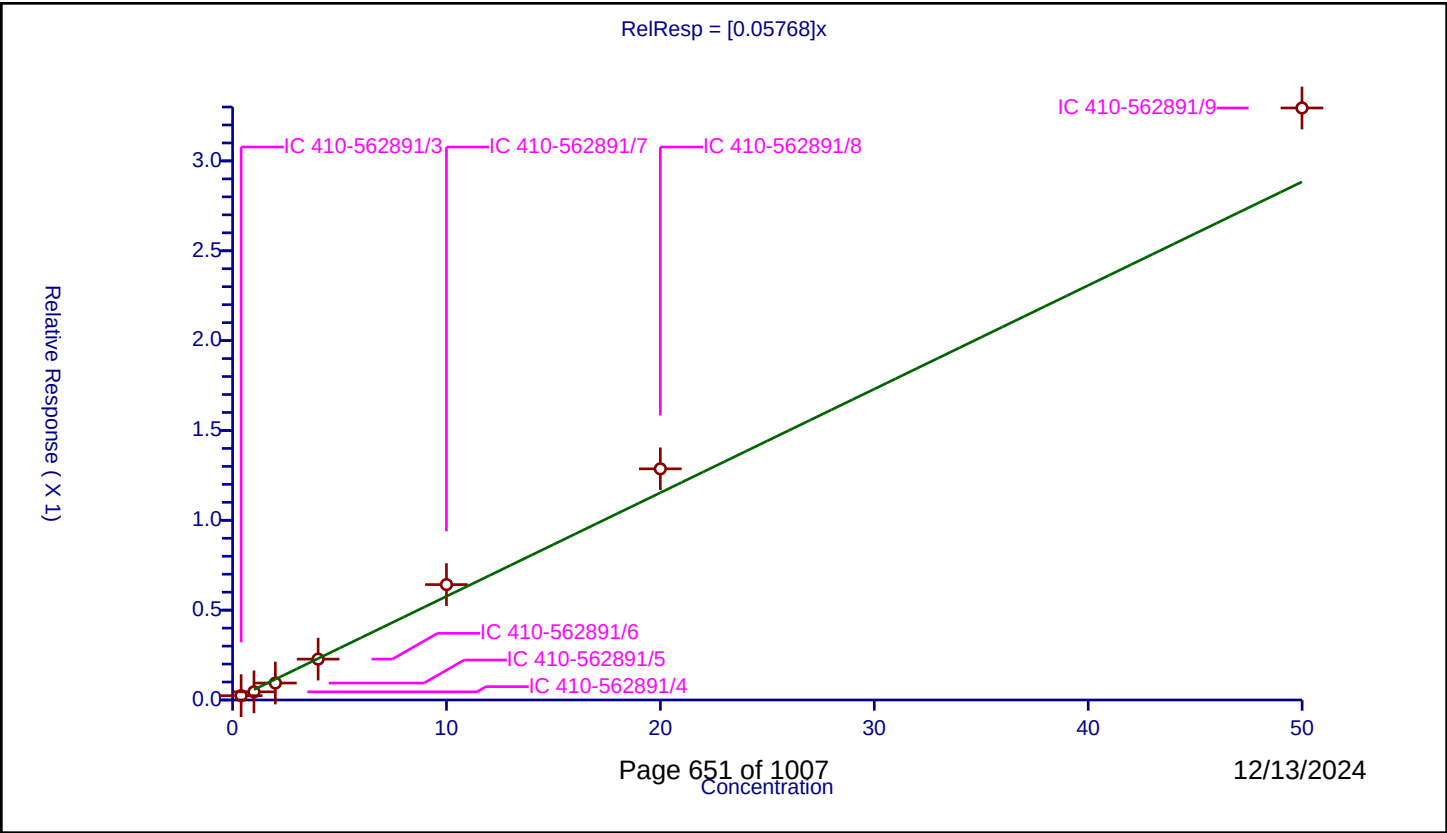
/ cis-1,4-Dichloro-2-butene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.05768
Error Coefficients	

Relative Standard Deviation: 14.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/3	0.399946	0.023947	10.0	1487863.0	0.059876	Y
2	IC 410-562891/4	0.999864	0.045403	10.0	1469946.0	0.045409	Y
3	IC 410-562891/5	1.999729	0.094314	10.0	1484195.0	0.047163	Y
4	IC 410-562891/6	3.999457	0.227425	10.0	1487699.0	0.056864	Y
5	IC 410-562891/7	9.998644	0.642217	10.0	1493515.0	0.06423	Y
6	IC 410-562891/8	19.997287	1.286419	10.0	1494808.0	0.06433	Y
7	IC 410-562891/9	49.993218	3.294589	10.0	1514301.0	0.065901	Y



Calibration

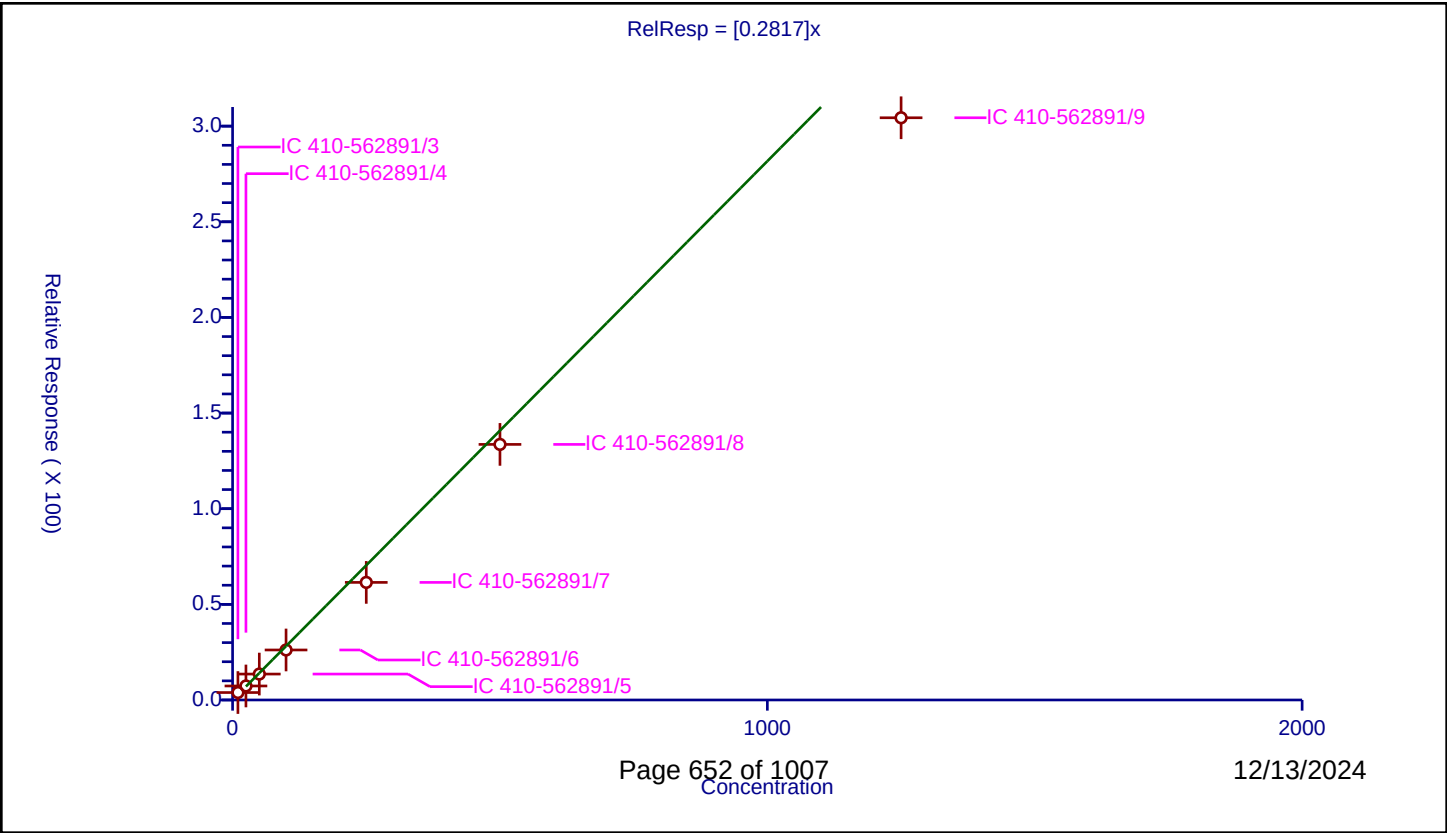
/ Cyclohexanone

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.2817
Error Coefficients	

Relative Standard Deviation: 17.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/3	10.000637	3.897947	50.0	97577.0	0.38977	Y
2	IC 410-562891/4	25.001592	7.32337	50.0	85985.0	0.292916	Y
3	IC 410-562891/5	50.003184	13.558059	50.0	79816.0	0.271144	Y
4	IC 410-562891/6	100.006368	26.141112	50.0	75146.0	0.261394	Y
5	IC 410-562891/7	250.01592	61.474979	50.0	87547.0	0.245884	Y
6	IC 410-562891/8	500.03184	133.622264	50.0	81565.0	0.267228	Y
7	IC 410-562891/9	1250.0796	304.376706	50.0	72189.0	0.243486	Y



FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-198585-1 Analy Batch No.: 562891
Environment Testing, LLC

SDG No.: _____

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/14/2024 21:54 Calibration End Date: 10/15/2024 00:00 Calibration ID: 66594

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-562891/13	HC14X12.D
Level 2	IC 410-562891/14	HC14X13.D
Level 3	IC 410-562891/15	HC14X14.D
Level 4	IC 410-562891/16	HC14X15.D
Level 5	IC 410-562891/17	HC14X16.D
Level 6	ICIS 410-562891/18	HC14X17.D
Level 7	IC 410-562891/19	HC14X18.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 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7															
Dichlorodifluoromethane	0.2363 0.2221	0.2080 0.2301	0.2421	0.1678	0.2245	Ave		0.218 7			0.1000	11.4		20.0			
Chloromethane	0.4028 0.3188	0.3151 0.3169	0.3296	0.2747	0.3261	Ave		0.326 3			0.1000	11.7		20.0			
1,3-Butadiene	0.3011 0.3022	0.3186 0.3040	0.3129	0.2675	0.3052	Ave		0.301 6				5.4		20.0			
Vinyl chloride	0.3283 0.2744	0.2688 0.2885	0.2927	0.2353	0.2774	Ave		0.280 8			0.1000	10.0		20.0			
Bromomethane	0.2224 0.2036	0.1840 0.2100	0.2113	0.1744	0.2081	Ave		0.202 0			0.1000	8.3		20.0			
Chloroethane	0.2148 0.1795	0.1658 0.1834	0.1846	0.1554	0.1811	Ave		0.180 7			0.1000	10.2		20.0			
Dichlorofluoromethane	0.5305 0.4578	0.4392 0.4733	0.4731	0.3998	0.4651	Ave		0.462 7			0.1000	8.5		20.0			
Trichlorofluoromethane	0.3257 0.3168	0.2933 0.3296	0.3288	0.2472	0.3203	Ave		0.308 8			0.1000	9.7		20.0			
Ethyl ether	0.1760 0.1487	0.1481 0.1582	0.1366	0.1367	0.1568	Ave		0.151 6				9.1		20.0			
Freon 123a	0.3053 0.2544	0.2488 0.2636	0.2728	0.2176	0.2589	Ave		0.260 2				10.2		20.0			
Acrolein	2.1335 2.3812	2.4189 2.6678	1.9897	2.4427	2.7272	Ave		2.394 4				11.1		20.0			
1,1-Dichloroethene	0.1891 0.1651	0.1943 0.1931	0.1585	0.1414	0.1768	Ave		0.174 0			0.1000	11.5		20.0			
Freon 113	0.1431 0.1600	0.1743 0.1964	0.1557	0.1241	0.1758	Ave		0.161 3			0.1000	14.7		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.: 410-198585-1 Analy Batch No.: 562891
Environment Testing, LLC

SDG No.: _____

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/14/2024 21:54 Calibration End Date: 10/15/2024 00:00 Calibration ID: 66594

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Acetone	+++++ 2.5674	2.7181 2.7276	2.9675	2.8462	2.8731	Ave		2.783 3			0.1000	5.1		20.0			
Methyl iodide	0.3499 0.3580	0.3907 0.3999	0.3078	0.3126	0.3732	Ave		0.356 n				10.0		20.0			
Ethyl bromide	0.2003 0.1562	0.1676 0.1833	0.1536	0.1489	0.1730	Ave		0.169 n				10.8		20.0			
Carbon disulfide	0.5969 0.5281	0.6051 0.6310	0.4807	0.4525	0.5733	Ave		0.552 5			0.1000	12.2		20.0			
Methyl acetate	+++++ 8.1938	+++++ 8.7013	5.1647	7.8531	8.2329	Ave		7.629 2			0.1000	18.5		20.0			
Allyl chloride	0.3881 0.3537	0.4156 0.4010	0.3047	0.3161	0.3762	Ave		0.365 1				11.5		20.0			
Methylene Chloride	0.2253 0.2064	0.2205 0.2243	0.1775	0.1917	0.2137	Ave		0.208 5			0.1000	8.6		20.0			
t-Butyl alcohol	0.8785 0.8918	0.9587 0.8612	0.6445	0.8610	0.9241	Ave		0.860 n				11.8		20.0			
Acrylonitrile	+++++ 3.5360	+++++ 4.5157	2.8173	3.2504	4.1249	Ave		3.648 9				18.6		20.0			
Methyl tert-butyl ether	0.4979 0.4861	0.5121 0.4998	0.4213	0.4696	0.5048	Ave		0.484 5			0.1000	6.4		20.0			
trans-1,2-Dichloroethene	0.2192 0.1995	0.2172 0.2286	0.1790	0.1710	0.2076	Ave		0.203 2			0.1000	10.6		20.0			
n-Hexane	0.2977 0.2545	0.2873 0.3117	0.2450	0.2070	0.2863	Ave		0.269 9				13.4		20.0			
1,1-Dichloroethane	0.4088 0.3979	0.4223 0.4474	0.3496	0.3478	0.4201	Ave		0.399 1			0.2000	9.4		20.0			
di-Isopropyl ether	0.7518 0.7273	0.7502 0.7836	0.6126	0.6738	0.7641	Ave		0.723 3				8.3		20.0			
2-Chloro-1,3-butadiene	0.3447 0.3264	0.3577 0.3854	0.2843	0.2738	0.3512	Ave		0.331 9				12.1		20.0			
Ethyl t-butyl ether	0.6872 0.6616	0.6764 0.6980	0.5703	0.6220	0.6942	Ave		0.658 5				7.1		20.0			
2-Butanone (MEK)	5.0897 4.7532	4.8971 5.2479	3.8209	4.7299	5.3001	Ave		4.834 1			0.1000	10.3		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.: 410-198585-1 Analy Batch No.: 562891
Environment Testing, LLC

SDG No.: _____

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/14/2024 21:54 Calibration End Date: 10/15/2024 00:00 Calibration ID: 66594

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	0.2533 0.2373	0.2563 0.2605	0.2006	0.2015	0.2505	Ave		0.237 2			0.1000	10.8		20.0			
2,2-Dichloropropane	0.3750 0.3190	0.3604 0.3635	0.2889	0.2725	0.3406	Ave		0.331 4				11.9		20.0			
Propionitrile	1.0434 1.3629	1.2200 1.5514	1.0450	1.3860	1.5674	Ave		1.310 9				16.6		20.0			
Methacrylonitrile	5.4514 5.0752	4.8820 5.8474	4.3998	5.4463	5.7920	Ave		5.270 6				9.8		20.0			
Bromochloromethane	0.0969 0.1001	0.0991 0.1043	0.0814	0.0916	0.1009	Ave		0.096 3				7.9		20.0			
Tetrahydrofuran	1.1325 1.3459	1.3768 1.5109	1.2357	1.3823	1.5179	Ave		1.357 4				10.2		20.0			
Chloroform	0.4006 0.3749	0.4042 0.4114	0.3153	0.3316	0.3887	Ave		0.375 2			0.2000	10.0		20.0			
1,1,1-Trichloroethane	0.3479 0.3083	0.3582 0.3560	0.2755	0.2636	0.3258	Ave		0.319 3			0.1000	12.0		20.0			
Cyclohexane	0.3670 0.3339	0.3745 0.4017	0.3269	0.2694	0.3624	Ave		0.348 0			0.1000	12.3		20.0			
Carbon tetrachloride	0.2594 0.2687	0.2823 0.3173	0.2304	0.2177	0.2878	Ave		0.266 2			0.1000	12.9		20.0			
1,1-Dichloropropene	0.3269 0.2950	0.3190 0.3455	0.2573	0.2403	0.3125	Ave		0.299 5				12.7		20.0			
Isobutyl alcohol	0.4150 0.3075	0.2788 0.3195	0.2712	0.2981	0.3301	Ave		0.317 2				15.1		20.0			
Benzene	0.9979 0.9113	0.9890 1.0257	0.7786	0.7944	0.9514	Ave		0.921 2			0.5000	10.7		20.0			
1,2-Dichloroethane	0.2282 0.2148	0.2219 0.2329	0.1799	0.2048	0.2319	Ave		0.216 3			0.1000	8.7		20.0			
t-Amyl methyl ether	0.5780 0.5539	0.5591 0.5811	0.4618	0.5235	0.5671	Ave		0.546 3				7.7		20.0			
n-Heptane	0.3055 0.2519	0.2692 0.3047	0.2346	0.2121	0.2806	Ave		0.265 5				13.2		20.0			
n-Butanol	+++++ 0.2465	0.1871 0.2517	0.1764	0.2165	0.2411	Ave		0.219 9				14.6		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.: 410-198585-1 Analy Batch No.: 562891
Environment Testing, LLC

SDG No.: _____

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/14/2024 21:54 Calibration End Date: 10/15/2024 00:00 Calibration ID: 66594

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	0.2651 0.2257	0.2485 0.2563	0.1891	0.1910	0.2363	Ave		0.230 3			0.2000	13.2		20.0			
Methylcyclohexane	0.3244 0.3261	0.3445 0.4021	0.3055	0.2680	0.3538	Ave		0.332 1			0.1000	12.6		20.0			
1,2-Dichloropropane	0.2289 0.2393	0.2494 0.2578	0.1995	0.2132	0.2446	Ave		0.233 2			0.1000	8.9		20.0			
Methyl methacrylate	9.5329 9.2322	9.9409 11.709	8.4265	9.8145	10.991	Ave		9.949 6				11.0		20.0			
1,4-Dioxane	++++ 0.0493	0.0330 0.0424	0.0295	0.0422	0.0385	Ave		0.039 2			0.0050	18.2		20.0			
Dibromomethane	0.0985 0.1022	0.0939 0.1061	0.0813	0.0982	0.1032	Ave		0.097 6				8.4		20.0			
Bromodichloromethane	0.2644 0.2693	0.2592 0.2930	0.2157	0.2423	0.2728	Ave		0.259 5			0.2000	9.5		20.0			
2-Nitropropane	4.1453 2.8683	3.3508 3.3914	2.5874	3.0361	3.3113	Ave		3.241 5				15.2		20.0			
1-Bromo-2-chloroethane	0.2212 0.2211	0.2009 0.2365	0.1923	0.1972	0.2300	Ave		0.214 2				8.1		20.0			
cis-1,3-Dichloropropene	0.3166 0.3481	0.3149 0.3747	0.2816	0.3109	0.3501	Ave		0.328 1			0.2000	9.5		20.0			
4-Methyl-2-pentanone (MIBK)	13.490 12.560	13.629 14.535	10.985	13.409	14.521	Ave		13.30 4			0.1000	9.2		20.0			
Toluene	0.8316 0.7860	0.8379 0.8838	0.6662	0.6791	0.8283	Ave		0.787 6			0.4000	10.6		20.0			
trans-1,3-Dichloropropene	0.3410 0.3857	0.3465 0.4125	0.3100	0.3427	0.3963	Ave		0.362 1			0.1000	10.1		20.0			
Ethyl methacrylate	0.2930 0.3105	0.2640 0.3202	0.2453	0.2817	0.3190	Ave		0.290 5				9.9		20.0			
1,1,2-Trichloroethane	0.2229 0.2009	0.2045 0.2067	0.1688	0.1840	0.2082	Ave		0.199 4			0.1000	8.9		20.0			
Tetrachloroethene	0.3843 0.3496	0.3718 0.4086	0.3025	0.2997	0.3719	Ave		0.355 5			0.2000	11.6		20.0			
1,3-Dichloropropane	0.3295 0.3615	0.3604 0.3809	0.2998	0.3388	0.3775	Ave		0.349 8				8.3		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.: 410-198585-1 Analy Batch No.: 562891
Environment Testing, LLC

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/14/2024 21:54 Calibration End Date: 10/15/2024 00:00 Calibration ID: 66594

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	7.4204 8.5289	8.2561 9.8862	7.0759	8.8075	9.6741	Ave		8.521 3			0.1000	12.4		20.0			
Dibromochloromethane	0.2128 0.2603	0.2242 0.2764	0.1948	0.2309	0.2603	Ave		0.237 1				12.4		20.0			
1,2-Dibromoethane (EDB)	0.1698 0.1915	0.1836 0.1990	0.1570	0.1750	0.1971	Ave		0.181 9			0.1000	8.5		20.0			
1-Chlorohexane	0.5577 0.4136	0.5030 0.4855	0.3780	0.3533	0.4390	Ave		0.447 1				16.2		20.0			
Chlorobenzene	0.8762 0.8575	0.8658 0.9539	0.7179	0.7711	0.8994	Ave		0.848 8			0.5000	9.4		20.0			
1,1,1,2-Tetrachloroethane	0.2918 0.3046	0.2906 0.3347	0.2495	0.2748	0.3155	Ave		0.294 5				9.4		20.0			
Ethylbenzene	1.5855 1.5330	1.5954 1.7507	1.2996	1.3292	1.6157	Ave		1.529 9			0.1000	10.6		20.0			
m&p-Xylene	0.6169 0.5908	0.6282 0.6776	0.4919	0.5151	0.6244	Ave		0.592 1			0.1000	11.2		20.0			
o-Xylene	0.5796 0.5798	0.5994 0.6468	0.4889	0.5207	0.6156	Ave		0.575 8			0.3000	9.5		20.0			
Styrene	0.9514 0.9511	0.9618 1.0575	0.7750	0.8477	0.9982	Ave		0.934 7			0.3000	10.1		20.0			
Bromoform	0.0934 0.1501	0.1266 0.1622	0.1068	0.1301	0.1528	Ave		0.131 7			0.1000	19.2		20.0			
Isopropylbenzene	1.3965 1.3503	1.4495 1.5559	1.1405	1.1769	1.4388	Ave		1.358 4			0.1000	11.1		20.0			
1,1,2,2-Tetrachloroethane	0.4406 0.4582	0.4519 0.4519	0.3686	0.4319	0.4616	Ave		0.437 8			0.3000	7.4		20.0			
Bromobenzene	0.6731 0.6375	0.6653 0.6832	0.5352	0.5925	0.6483	Ave		0.633 6				8.3		20.0			
trans-1,4-Dichloro-2-butene	3.8491 4.5200	4.3178 5.4454	3.6303	4.5164	5.0499	Ave		4.475 6				14.1		20.0			
1,2,3-Trichloropropane	0.0784 0.1149	0.1110 0.1156	0.0971	0.1098	0.1177	Ave		0.106 4				13.2		20.0			
N-Propylbenzene	3.3649 3.2311	3.3007 3.6548	2.6602	2.7953	3.3474	Ave		3.193 5				10.9		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.: 410-198585-1 Analy Batch No.: 562891
Environment Testing, LLC

SDG No.: _____

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/14/2024 21:54 Calibration End Date: 10/15/2024 00:00 Calibration ID: 66594

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	0.6203 0.6435	0.6487 0.7176	0.5322	0.5645	0.6584	Ave		0.626 5				9.9		20.0			
1,3,5-Trimethylbenzene	2.2440 2.3114	2.3311 2.5894	1.8703	2.0297	2.3614	Ave		2.248 2				10.4		20.0			
4-Chlorotoluene	0.6392 0.6584	0.6539 0.7292	0.5513	0.5811	0.6812	Ave		0.642 0				9.3		20.0			
tert-Butylbenzene	0.4956 0.5301	0.5310 0.5987	0.4525	0.4372	0.5374	Ave		0.511 8				10.8		20.0			
Pentachloroethane	0.3900 0.4284	0.3790 0.4845	0.3565	0.3709	0.4340	Ave		0.406 2				11.1		20.0			
1,2,4-Trimethylbenzene	2.2894 2.3575	2.3388 2.6369	1.9297	2.0710	2.4233	Ave		2.292 4				10.1		20.0			
sec-Butylbenzene	3.0593 2.8936	2.9547 3.3218	2.3602	2.5109	2.9862	Ave		2.869 5				11.5		20.0			
1,3-Dichlorobenzene	1.2750 1.2719	1.2715 1.4020	1.0178	1.1678	1.3075	Ave		1.244 8			0.6000	9.8		20.0			
p-Isopropyltoluene	2.5137 2.5791	2.5842 2.9691	2.1104	2.2442	2.6336	Ave		2.519 2				11.1		20.0			
1,4-Dichlorobenzene	1.3468 1.2787	1.3472 1.4032	1.0473	1.1647	1.3056	Ave		1.270 5			0.5000	9.7		20.0			
1,2,3-Trimethylbenzene	1.0504 1.0454	1.0913 1.1510	0.8681	0.9686	1.0697	Ave		1.034 9				8.9		20.0			
Benzyl chloride	0.1319 0.1946	0.1699 0.2009	0.1579	0.1855	0.1969	Ave		0.176 8				14.2		20.0			
n-Butylbenzene	1.1238 1.2058	1.1530 1.4002	0.9536	1.0548	1.2490	Ave		1.162 9				12.3		20.0			
1,2-Dichlorobenzene	1.0714 1.1642	1.0925 1.2483	0.9505	1.0564	1.1952	Ave		1.111 2			0.4000	9.0		20.0			
1,2-Dibromo-3-Chloropropane	0.0407 0.0686	0.0532 0.0680	0.0476	0.0612	0.0665	Ave		0.058 0			0.0500	19.0		20.0			
1,3,5-Trichlorobenzene	0.8709 0.9743	0.9365 1.0839	0.7314	0.8801	0.9904	Ave		0.923 9				12.1		20.0			
1,2,4-Trichlorobenzene	0.7966 0.8373	0.7732 0.9198	0.6205	0.7581	0.8484	Ave		0.793 4			0.2000	11.8		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-198585-1 Analy Batch No.: 562891
Environment Testing, LLC

SDG No.: _____

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/14/2024 21:54 Calibration End Date: 10/15/2024 00:00 Calibration ID: 66594

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	0.3352 0.3203	0.3304 0.3869	0.2541	0.2890	0.3274	Ave		0.320 5				12.8		20.0			
Naphthalene	1.1955 1.4924	1.3513 1.4832	1.1695	1.3810	1.5128	Ave		1.369 4				10.3		20.0			
1,2,3-Trichlorobenzene	0.6667 0.7275	0.6835 0.7756	0.5581	0.6698	0.7309	Ave		0.687 4				10.1		20.0			
Dibromofluoromethane (Surr)	0.2321 0.2342	0.2337 0.2313	0.2313	0.2332	0.2372	Ave		0.233 3				0.9		20.0			
1,2-Dichloroethane-d4 (Surr)	0.0466 0.0486	0.0464 0.0464	0.0479	0.0473	0.0489	Ave		0.047 4				2.2		20.0			
Toluene-d8 (Surr)	1.3690 1.3631	1.3742 1.3765	1.3664	1.3674	1.3787	Ave		1.370 7				0.4		20.0			
4-Bromofluorobenzene (Surr)	0.4875 0.4872	0.4874 0.4913	0.4936	0.4925	0.5010	Ave		0.491 5				1.0		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-198585-1 Analy Batch No.: 562891
Environment Testing, LLC

SDG No.: _____

Instrument ID: 19094 GC Column: R-624SilMS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/14/2024 21:54 Calibration End Date: 10/15/2024 00:00 Calibration ID: 66594

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-562891/13	HC14X12.D
Level 2	IC 410-562891/14	HC14X13.D
Level 3	IC 410-562891/15	HC14X14.D
Level 4	IC 410-562891/16	HC14X15.D
Level 5	IC 410-562891/17	HC14X16.D
Level 6	ICIS 410-562891/18	HC14X17.D
Level 7	IC 410-562891/19	HC14X18.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	9844 467954	21567 1238585	49965	69584	233118	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Chloromethane	FB	Ave	16777 671586	32673 1705552	68036	113888	338663	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,3-Butadiene	FB	Ave	12542 636695	33027 1636446	64577	110884	316980	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Vinyl chloride	FB	Ave	13677 578042	27866 1552850	60425	97546	288117	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Bromomethane	FB	Ave	9266 428901	19078 1130540	43609	72310	216158	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Chloroethane	FB	Ave	8949 378233	17188 987165	38112	64406	188120	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Dichlorofluoromethane	FB	Ave	22096 964421	45538 2547586	97645	165735	482982	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Trichlorofluoromethane	FB	Ave	13565 667369	30404 1773971	67859	102491	332622	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl ether	FB	Ave	7330 313241	15357 851294	28188	56659	162851	0.200 10.00	0.500 25.0	1.000	2.00	5.00
Freon 123a	FB	Ave	12716 535868	25791 1418629	56305	90196	268912	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Acrolein	TBAd1 0	Ave	38363 2597097	112963 6316377	199925	455588	1303716	10.0 501	25.1 1253	50.1	100	251
1,1-Dichloroethene	FB	Ave	7876 347776	20143 1039302	32718	58628	183655	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Freon 113	FB	Ave	5961 337031	18072 1056825	32133	51463	182552	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Acetone	TBAd1 0	Ave	++++ 558854	25333 1288841	59508	105944	274108	++++ 100	5.00 250	10.0	20.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-198585-1

Analy Batch No.: 562891

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/14/2024 21:54 Calibration End Date: 10/15/2024 00:00 Calibration ID: 66594

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	14577 754125	40505 2152117	63529	129617	387532	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl bromide	FB	Ave	8356 329604	17408 988133	31751	61829	180009	0.200 10.0	0.501 25.0	1.00	2.00	5.01
Carbon disulfide	FB	Ave	24865 1112494	62731 3396338	99227	187580	595387	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Methyl acetate	TBAd1 0	Ave	++++ 178355	++++ 411148	10357	29231	78545	++++ 10.0	++++ 25.0	1.00	2.00	5.00
Allyl chloride	FB	Ave	16167 745147	43088 2158514	62901	131066	390670	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Methylene Chloride	FB	Ave	9385 434823	22861 1207287	36646	79469	221930	0.200 10.0	0.500 25.0	1.00	2.00	5.00
t-Butyl alcohol	TBAd1 0	Ave	6305 388248	17871 813824	25850	64100	176330	4.00 200	10.0 500	20.0	40.0	100
Acrylonitrile	TBAd1 0	Ave	++++ 192423	++++ 533438	14124	30247	98383	++++ 25.0	++++ 62.5	2.50	5.00	12.5
Methyl tert-butyl ether	FB	Ave	20742 1023911	53096 2690302	86964	194704	524249	0.200 10.0	0.500 25.0	1.00	2.00	5.00
trans-1,2-Dichloroethene	FB	Ave	9132 420233	22522 1230622	36943	70878	215558	0.200 10.0	0.500 25.0	1.00	2.00	5.00
n-Hexane	FB	Ave	12400 536134	29782 1677582	50580	85832	297344	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1-Dichloroethane	FB	Ave	17030 838118	43786 2407999	72166	144195	436243	0.200 10.0	0.500 25.0	1.00	2.00	5.00
di-Isopropyl ether	FB	Ave	31317 1532222	77775 4217491	126443	279353	793496	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Chloro-1,3-butadiene	FB	Ave	14359 687617	37083 2074567	58676	113501	364749	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl t-butyl ether	FB	Ave	28624 1393799	70129 3756951	117721	257852	720935	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Butanone (MEK)	TBAd1 0	Ave	18265 1034632	45641 2479715	76622	176058	505653	2.00 100	5.00 250	10.0	20.0	50.0
cis-1,2-Dichloroethene	FB	Ave	10552 499978	26574 1402199	41408	83537	260188	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2,2-Dichloropropane	FB	Ave	15621 672092	37366 1956303	59622	112956	353714	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.: 410-198585-1

Analy Batch No.: 562891

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/14/2024 21:54 Calibration End Date: 10/15/2024 00:00 Calibration ID: 66594

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	7489	22741	41913	103182	299079	4.00	10.0	20.0	40.0	100
			593340	1466109				200	500			
Methacrylonitrile	TBAd10	Ave	19563	45501	88231	202725	552582	2.00	5.00	10.0	20.0	50.0
			1104722	2762990				100	250			
Bromochloromethane	FB	Ave	4036	10278	16806	37992	104813	0.200	0.500	1.00	2.00	5.00
			210770	561466				10.0	25.0			
Tetrahydrofuran	TBAd10	Ave	2032	6416	12390	25726	72408	1.00	2.50	5.00	10.0	25.0
			146482	356954				50.0	125			
Chloroform	FB	Ave	16686	41903	65085	137486	403722	0.200	0.500	1.00	2.00	5.00
			789704	2214256				10.0	25.0			
1,1,1-Trichloroethane	FB	Ave	14491	37140	56864	109281	338392	0.200	0.500	1.00	2.00	5.00
			649463	1916247				10.0	25.0			
Cyclohexane	FB	Ave	15288	38827	67470	111679	376344	0.200	0.500	1.00	2.00	5.00
			703493	2161892				10.0	25.0			
Carbon tetrachloride	FB	Ave	10804	29265	47554	90258	298912	0.200	0.500	1.00	2.00	5.00
			566056	1708016				10.0	25.0			
1,1-Dichloropropene	FB	Ave	13615	33074	53100	99608	324527	0.200	0.500	1.00	2.00	5.00
			621382	1859535				10.0	25.0			
Isobutyl alcohol	TBAd10	Ave	7446	12992	27194	55477	157476	10.0	25.0	50.0	100	250
			334719	754898				500	1250			
Benzene	FB	Ave	41566	102534	160700	329347	988091	0.200	0.500	1.00	2.00	5.00
			1919754	5520477				10.0	25.0			
1,2-Dichloroethane	FB	Ave	9506	23003	37135	84920	240795	0.200	0.500	1.00	2.00	5.00
			452561	1253315				10.0	25.0			
t-Amyl methyl ether	FB	Ave	24075	57966	95328	217027	588927	0.200	0.500	1.00	2.00	5.00
			1166737	3127690				10.0	25.0			
n-Heptane	FB	Ave	12726	27913	48417	87937	291385	0.200	0.500	1.00	2.00	5.00
			530748	1640251				10.0	25.0			
n-Butanol	TBAd10	Ave	+++++	15258	30960	70523	201232	+++++	43.8	87.5	175	438
			469560	1040677				875	2188			
Trichloroethene	FB	Ave	11042	25768	39022	79177	245399	0.200	0.500	1.00	2.00	5.00
			475408	1379273				10.0	25.0			
Methylcyclohexane	FB	Ave	13512	35716	63056	111102	367437	0.200	0.500	1.00	2.00	5.00
			686914	2164475				10.0	25.0			
1,2-Dichloropropane	FB	Ave	9534	25855	41176	88407	254056	0.200	0.500	1.00	2.00	5.00
			504100	1387692				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.: 410-198585-1

Analy Batch No.: 562891

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/14/2024 21:54 Calibration End Date: 10/15/2024 00:00 Calibration ID: 66594

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Methyl methacrylate	TBA01	Ave	3421 200957	9265 553281	16898	36532	104861	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,4-Dioxane	TBA01	Ave	++++ 53638	1538 100171	2961	7863	18369	++++ 500	25.0 1250	50.0	100	250
Dibromomethane	FB	Ave	4102 215206	9738 571213	16773	40703	107222	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Bromodichloromethane	FB	Ave	11014 567207	26870 1576851	44532	100465	283316	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Nitropropane	TBA01	Ave	7438 312176	15615 801242	25943	56505	157958	1.00 50.0	2.50 125	5.00	10.0	25.0
1-Bromo-2-chloroethane	FB	Ave	9216 465683	20825 1272855	39687	81742	238850	0.200 10.0	0.500 25.0	1.00	2.00	5.00
cis-1,3-Dichloropropene	FB	Ave	13186 733249	32649 2016647	58115	128875	363607	0.200 10.0	0.500 25.0	1.00	2.00	5.00
4-Methyl-2-pentanone (MIBK)	TBA01	Ave	48412 2733987	127024 6868110	220295	499117	1385351	2.00 100	5.00 250	10.0	20.0	50.0
Toluene	CBZd5	Ave	24831 1195226	61898 3409369	98875	202159	615515	0.200 10.0	0.500 25.0	1.00	2.00	5.00
trans-1,3-Dichloropropene	CBZd5	Ave	10182 586534	25599 1591072	46012	102022	294457	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl methacrylate	CBZd5	Ave	8749 472191	19501 1235192	36411	83844	237081	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1,2-Trichloroethane	CBZd5	Ave	6655 305541	15107 797441	25051	54766	154743	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Tetrachloroethene	CBZd5	Ave	11475 531546	27463 1576140	44901	89198	276372	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,3-Dichloropropane	CBZd5	Ave	9840 549629	26623 1469461	44491	100846	280515	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Hexanone	TBA01	Ave	26629 1856476	76948 4671399	141896	327837	922947	2.00 100	5.00 250	10.0	20.0	50.0
Dibromochloromethane	CBZd5	Ave	6354 395764	16559 1066114	28920	68734	193406	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2-Dibromoethane (EDB)	CBZd5	Ave	5069 291187	13562 767665	23310	52098	146459	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1-Chlorohexane	CBZd5	Ave	16653 628854	37159 1872671	56103	105163	326192	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.: 410-198585-1 Analy Batch No.: 562891
Environment Testing, LLC

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/14/2024 21:54 Calibration End Date: 10/15/2024 00:00 Calibration ID: 66594

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	26161 1303911	63954 3679485	106552	229543	668327	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1,1,2-Tetrachloroethane	CBZd5	Ave	8713 463096	21463 1291098	37034	81809	234418	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethylbenzene	CBZd5	Ave	47342 2331061	117851 6753201	192893	395651	1200608	0.200 10.0	0.500 25.0	1.00	2.00	5.00
m&p-Xylene	CBZd5	Ave	36841 1796596	92806 5227396	146018	306638	927931	0.400 20.0	1.00 50.0	2.00	4.00	10.0
o-Xylene	CBZd5	Ave	17305 881673	44278 2495057	72571	154997	457476	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Styrene	CBZd5	Ave	28408 1446299	71046 4079075	115032	252345	741733	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Bromoform	CBZd5	Ave	2789 228212	9354 625785	15852	38731	113530	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Isopropylbenzene	CBZd5	Ave	41699 2053242	107073 6001755	169283	350338	1069170	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1,2,2-Tetrachloroethane	DCBd4	Ave	7347 387911	18922 992034	30748	71353	195091	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Bromobenzene	DCBd4	Ave	11223 539734	27858 1499730	44648	97881	274012	0.200 10.0	0.500 25.0	1.00	2.00	5.00
trans-1,4-Dichloro-2-butene	TBA d1 0	Ave	13813 983872	40242 2573053	72799	168113	481779	2.00 100	5.00 250	10.0	20.0	50.0
1,2,3-Trichloropropane	DCBd4	Ave	1307 97313	4649 253788	8101	18135	49735	0.200 10.0	0.500 25.0	1.00	2.00	5.00
N-Propylbenzene	DCBd4	Ave	56107 2735595	138204 8022866	221937	461806	1414854	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Chlorotoluene	DCBd4	Ave	10343 544845	27162 1575287	44403	93262	278300	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,3,5-Trimethylbenzene	DCBd4	Ave	37416 1956957	97607 5684032	156038	335326	998109	0.200 10.0	0.500 25.0	1.00	2.00	5.00
4-Chlorotoluene	DCBd4	Ave	10658 557441	27381 1600788	45991	96006	287911	0.200 10.0	0.500 25.0	1.00	2.00	5.00
tert-Butylbenzene	DCBd4	Ave	8263 448820	22234 1314199	37755	72235	227156	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Pentachloroethane	DCBd4	Ave	6503 362738	15869 1063535	29742	61281	183433	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2,4-Trimethylbenzene	DCBd4	Ave	38174 1995968	97928 5788353	160992	342141	1024249	0.200 10.0	0.500 25.0	1.00	2.00	5.00
sec-Butylbenzene	DCBd4	Ave	51011	123718	196906	414824	1262163	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.: 410-198585-1 Analy Batch No.: 562891
Environment Testing, LLC

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/14/2024 21:54 Calibration End Date: 10/15/2024 00:00 Calibration ID: 66594

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
			2449888	7291823				10.0	25.0			
1,3-Dichlorobenzene	DCBd4	Ave	21260 1076868	53238 3077602	84910	192928	552624	0.200 10.0	0.500 25.0	1.00	2.00	5.00
p-Isopropyltoluene	DCBd4	Ave	41913 2183616	108203 6517695	176069	370759	1113152	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,4-Dichlorobenzene	DCBd4	Ave	22457 1082569	56410 3080229	87373	192425	551842	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2,3-Trimethylbenzene	DCBd4	Ave	17514 885074	45696 2526546	72420	160016	452141	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Benzyl chloride	DCBd4	Ave	2199 164795	7112 441034	13175	30653	83229	0.200 10.0	0.500 25.0	1.00	2.00	5.00
n-Butylbenzene	DCBd4	Ave	18738 1020906	48279 3073736	79560	174260	527930	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2-Dichlorobenzene	DCBd4	Ave	17864 985687	45745 2740282	79295	174522	505190	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2-Dibromo-3-Chloropropane	DCBd4	Ave	678 58093	2227 149245	3973	10109	28121	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,3,5-Trichlorobenzene	DCBd4	Ave	14521 824916	39214 2379362	61015	145393	418630	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2,4-Trichlorobenzene	DCBd4	Ave	13282 708917	32374 2019000	51769	125252	358585	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Hexachlorobutadiene	DCBd4	Ave	5589 271223	13833 849290	21202	47749	138378	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Naphthalene	DCBd4	Ave	19933 1263500	56581 3255883	97565	228147	639417	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2,3-Trichlorobenzene	DCBd4	Ave	11117 615896	28618 1702491	46562	110665	308911	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Dibromofluoromethane (Surr)	FB	Ave	483437 493346	484670 497919	477492	483416	492598	10.0 10.0	10.0 10.0	10.0	10.0	10.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	96982 102339	96249 99990	98967	97968	101574	10.0 10.0	10.0 10.0	10.0	10.0	10.0
Toluene-d8 (Surr)	CBZd5	Ave	2043817 2072657	2030189 2123824	2028126	2035148	2049029	10.0 10.0	10.0 10.0	10.0	10.0	10.0
4-Bromofluorobenzene (Surr)	CBZd5	Ave	727815 740859	720078 758031	732696	733016	744613	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.: 410-198585-1 Analy Batch No.: 562891
Environment Testing, LLC

SDG No.: _____

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/14/2024 21:54 Calibration End Date: 10/15/2024 00:00 Calibration ID: 66594

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-562891/13	HC14X12.D
Level 2	IC 410-562891/14	HC14X13.D
Level 3	IC 410-562891/15	HC14X14.D
Level 4	IC 410-562891/16	HC14X15.D
Level 5	IC 410-562891/17	HC14X16.D
Level 6	ICIS 410-562891/18	HC14X17.D
Level 7	IC 410-562891/19	HC14X18.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
	LVL 7 #						LVL 7					
Dichlorodifluoromethane	8.1	-4.9	10.7	-23.3	2.6	1.6	50	30	30	30	30	30
	5.2						30					
Chloromethane	23.4	-3.4	1.0	-15.8	-0.1	-2.3	50	30	30	30	30	30
	-2.9						30					
1,3-Butadiene	-0.2	5.6	3.7	-11.3	1.2	0.2	50	30	30	30	30	30
	0.8						30					
Vinyl chloride	16.9	-4.3	4.3	-16.2	-1.2	-2.3	50	30	30	30	30	30
	2.8						30					
Bromomethane	10.1	-8.9	4.6	-13.7	3.0	0.8	50	30	30	30	30	30
	4.0						30					
Chloroethane	18.9	-8.2	2.2	-14.0	0.3	-0.6	50	30	30	30	30	30
	1.5						30					
Dichlorofluoromethane	14.6	-5.1	2.2	-13.6	0.5	-1.1	50	30	30	30	30	30
	2.3						30					
Trichlorofluoromethane	5.5	-5.0	6.5	-19.9	3.7	2.6	50	30	30	30	30	30
	6.7						30					
Ethyl ether	16.1	-2.3	-9.9	-9.8	3.5	-1.9	50	30	30	30	30	30
	4.4						30					
Freon 123a	17.3	-4.4	4.8	-16.4	-0.5	-2.2	50	30	30	30	30	30
	1.3						30					
Acrolein	-10.9	1.0	-16.9	2.0	13.9	-0.6	50	30	30	30	30	30
	11.4						30					
1,1-Dichloroethene	8.6	11.6	-8.9	-18.7	1.6	-5.1	50	30	30	30	30	30
	10.9						30					
Freon 113	-11.3	8.0	-3.5	-23.1	9.0	-0.8	50	30	30	30	30	30
	21.7						30					
Acetone	+++++	-2.3	6.6	2.3	3.2	-7.8		50	30	30	30	30
	-2.0						30					
Methyl iodide	-1.7	9.7	-13.5	-12.2	4.8	0.6	50	30	30	30	30	30
	12.3						30					

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-198585-1 Analy Batch No.: 562891
Environment Testing, LLC

SDG No.: _____

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/14/2024 21:54 Calibration End Date: 10/15/2024 00:00 Calibration ID: 66594

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	18.5 8.5	-0.8	-9.1	-11.9	2.4	-7.6	50 30	30	30	30	30	30
Carbon disulfide	8.0 14.2	9.5	-13.0	-18.1	3.8	-4.4	50 30	30	30	30	30	30
Methyl acetate	++++ 14.1	++++	-32.3	2.9	7.9	7.4	30		50	30	30	30
Allyl chloride	6.3 9.9	13.8	-16.5	-13.4	3.0	-3.1	50 30	30	30	30	30	30
Methylene Chloride	8.1 7.6	5.8	-14.8	-8.1	2.5	-1.0	50 30	30	30	30	30	30
t-Butyl alcohol	2.1 0.1	11.5	-25.1	0.1	7.5	3.7	50 30	30	30	30	30	30
Acrylonitrile	++++ 23.8	++++	-22.8	-10.9	13.0	-3.1	30		50	30	30	30
Methyl tert-butyl ether	2.8 3.2	5.7	-13.0	-3.1	4.2	0.3	50 30	30	30	30	30	30
trans-1,2-Dichloroethene	7.9 12.5	6.9	-11.9	-15.8	2.2	-1.8	50 30	30	30	30	30	30
n-Hexane	10.3 15.5	6.4	-9.2	-23.3	6.1	-5.7	50 30	30	30	30	30	30
1,1-Dichloroethane	2.4 12.1	5.8	-12.4	-12.9	5.2	-0.3	50 30	30	30	30	30	30
di-Isopropyl ether	3.9 8.3	3.7	-15.3	-6.8	5.6	0.6	50 30	30	30	30	30	30
2-Chloro-1,3-butadiene	3.9 16.1	7.8	-14.4	-17.5	5.8	-1.7	50 30	30	30	30	30	30
Ethyl t-butyl ether	4.3 6.0	2.7	-13.4	-5.6	5.4	0.5	50 30	30	30	30	30	30
2-Butanone (MEK)	5.3 8.6	1.3	-21.0	-2.2	9.6	-1.7	50 30	30	30	30	30	30
cis-1,2-Dichloroethene	6.8 9.8	8.1	-15.4	-15.0	5.6	0.1	50 30	30	30	30	30	30
2,2-Dichloropropane	13.2 9.7	8.8	-12.8	-17.8	2.8	-3.7	50 30	30	30	30	30	30
Propionitrile	-20.4 18.3	-6.9	-20.3	5.7	19.6	4.0	50 30	30	30	30	30	30
Methacrylonitrile	3.4 10.9	-7.4	-16.5	3.3	9.9	-3.7	50 30	30	30	30	30	30
Bromochloromethane	0.6 8.3	2.9	-15.5	-4.9	4.8	3.9	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.: 410-198585-1 Analy Batch No.: 562891
Environment Testing, LLC

SDG No.: _____

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/14/2024 21:54 Calibration End Date: 10/15/2024 00:00 Calibration ID: 66594

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	-16.6 11.3	1.4	-9.0	1.8	11.8	-0.8	50 30	30	30	30	30	30
Chloroform	6.8 9.6	7.7	-16.0	-11.6	3.6	-0.1	50 30	30	30	30	30	30
1,1,1-Trichloroethane	8.9 11.5	12.2	-13.7	-17.5	2.0	-3.5	50 30	30	30	30	30	30
Cyclohexane	5.5 15.4	7.6	-6.1	-22.6	4.1	-4.0	50 30	30	30	30	30	30
Carbon tetrachloride	-2.6 19.2	6.0	-13.5	-18.2	8.1	0.9	50 30	30	30	30	30	30
1,1-Dichloropropene	9.1 15.4	6.5	-14.1	-19.8	4.3	-1.5	50 30	30	30	30	30	30
Isobutyl alcohol	30.8 0.7	-12.1	-14.5	-6.0	4.1	-3.0	50 30	30	30	30	30	30
Benzene	8.3 11.3	7.4	-15.5	-13.8	3.3	-1.1	50 30	30	30	30	30	30
1,2-Dichloroethane	5.5 7.6	2.6	-16.8	-5.3	7.2	-0.7	50 30	30	30	30	30	30
t-Amyl methyl ether	5.8 6.4	2.3	-15.5	-4.2	3.8	1.4	50 30	30	30	30	30	30
n-Heptane	15.1 14.8	1.4	-11.7	-20.1	5.7	-5.1	50 30	30	30	30	30	30
n-Butanol	++++ 14.5	-14.9	-19.8	-1.5	9.6	12.1	30	50	30	30	30	30
Trichloroethene	15.1 11.3	7.9	-17.9	-17.1	2.6	-2.0	50 30	30	30	30	30	30
Methylcyclohexane	-2.3 21.1	3.7	-8.0	-19.3	6.6	-1.8	50 30	30	30	30	30	30
1,2-Dichloropropane	-1.9 10.5	6.9	-14.5	-8.6	4.9	2.6	50 30	30	30	30	30	30
Methyl methacrylate	-4.2 17.7	-0.1	-15.3	-1.4	10.5	-7.2	50 30	30	30	30	30	30
1,4-Dioxane	++++ 8.3	-15.7	-24.6	7.9	-1.7	25.8	30	50	30	30	30	30
Dibromomethane	0.9 8.7	-3.8	-16.8	0.6	5.8	4.6	50 30	30	30	30	30	30
Bromodichloromethane	1.9 12.9	-0.1	-16.9	-6.6	5.1	3.7	50 30	30	30	30	30	30
2-Nitropropane	27.9 4.6	3.4	-20.2	-6.3	2.2	-11.5	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.: 410-198585-1 Analy Batch No.: 562891
Environment Testing, LLC

SDG No.: _____

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/14/2024 21:54 Calibration End Date: 10/15/2024 00:00 Calibration ID: 66594

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	3.3 10.4	-6.2	-10.2	-7.9	7.4	3.2	50 30	30	30	30	30	30
cis-1,3-Dichloropropene	-3.5 14.2	-4.0	-14.2	-5.3	6.7	6.1	50 30	30	30	30	30	30
4-Methyl-2-pentanone (MIBK)	1.4 9.3	2.4	-17.4	0.8	9.1	-5.6	50 30	30	30	30	30	30
Toluene	5.6 12.2	6.4	-15.4	-13.8	5.2	-0.2	50 30	30	30	30	30	30
trans-1,3-Dichloropropene	-5.8 13.9	-4.3	-14.4	-5.3	9.4	6.5	50 30	30	30	30	30	30
Ethyl methacrylate	0.9 10.2	-9.1	-15.6	-3.1	9.8	6.9	50 30	30	30	30	30	30
1,1,2-Trichloroethane	11.8 3.7	2.5	-15.4	-7.7	4.4	0.8	50 30	30	30	30	30	30
Tetrachloroethene	8.1 14.9	4.6	-14.9	-15.7	4.6	-1.7	50 30	30	30	30	30	30
1,3-Dichloropropane	-5.8 8.9	3.0	-14.3	-3.1	7.9	3.3	50 30	30	30	30	30	30
2-Hexanone	-12.9 16.0	-3.1	-17.0	3.4	13.5	0.1	50 30	30	30	30	30	30
Dibromochloromethane	-10.2 16.6	-5.5	-17.8	-2.6	9.8	9.8	50 30	30	30	30	30	30
1,2-Dibromoethane (EDB)	-6.7 9.4	1.0	-13.6	-3.8	8.4	5.3	50 30	30	30	30	30	30
1-Chlorohexane	24.7 8.6	12.5	-15.5	-21.0	-1.8	-7.5	50 30	30	30	30	30	30
Chlorobenzene	3.2 12.4	2.0	-15.4	-9.2	6.0	1.0	50 30	30	30	30	30	30
1,1,1,2-Tetrachloroethane	-0.9 13.7	-1.3	-15.3	-6.7	7.1	3.4	50 30	30	30	30	30	30
Ethylbenzene	3.6 14.4	4.3	-15.1	-13.1	5.6	0.2	50 30	30	30	30	30	30
m&p-Xylene	4.2 14.4	6.1	-16.9	-13.0	5.4	-0.2	50 30	30	30	30	30	30
o-Xylene	0.6 12.3	4.1	-15.1	-9.6	6.9	0.7	50 30	30	30	30	30	30
Styrene	1.8 13.1	2.9	-17.1	-9.3	6.8	1.8	50 30	30	30	30	30	30
Bromoform	-29.1 23.2	-3.9	-18.9	-1.2	16.0	13.9	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.: 410-198585-1 Analy Batch No.: 562891
Environment Testing, LLC

SDG No.: _____

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/14/2024 21:54 Calibration End Date: 10/15/2024 00:00 Calibration ID: 66594

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	2.8 14.5	6.7	-16.0	-13.4	5.9	-0.6	50 30	30	30	30	30	30
1,1,2,2-Tetrachloroethane	0.6 3.2	3.2	-15.8	-1.4	5.4	4.7	50 30	30	30	30	30	30
Bromobenzene	6.2 7.8	5.0	-15.5	-6.5	2.3	0.6	50 30	30	30	30	30	30
trans-1,4-Dichloro-2-butene	-14.0 21.7	-3.5	-18.9	0.9	12.8	1.0	50 30	30	30	30	30	30
1,2,3-Trichloropropane	-26.3 8.7	4.4	-8.7	3.2	10.6	8.1	50 30	30	30	30	30	30
N-Propylbenzene	5.4 14.4	3.4	-16.7	-12.5	4.8	1.2	50 30	30	30	30	30	30
2-Chlorotoluene	-1.0 14.5	3.5	-15.0	-9.9	5.1	2.7	50 30	30	30	30	30	30
1,3,5-Trimethylbenzene	-0.2 15.2	3.7	-16.8	-9.7	5.0	2.8	50 30	30	30	30	30	30
4-Chlorotoluene	-0.4 13.6	1.9	-14.1	-9.5	6.1	2.5	50 30	30	30	30	30	30
tert-Butylbenzene	-3.2 17.0	3.8	-11.6	-14.6	5.0	3.6	50 30	30	30	30	30	30
Pentachloroethane	-4.0 19.3	-6.7	-12.2	-8.7	6.8	5.5	50 30	30	30	30	30	30
1,2,4-Trimethylbenzene	-0.1 15.0	2.0	-15.8	-9.7	5.7	2.8	50 30	30	30	30	30	30
sec-Butylbenzene	6.6 15.8	3.0	-17.7	-12.5	4.1	0.8	50 30	30	30	30	30	30
1,3-Dichlorobenzene	2.4 12.6	2.1	-18.2	-6.2	5.0	2.2	50 30	30	30	30	30	30
p-Isopropyltoluene	-0.2 17.9	2.6	-16.2	-10.9	4.5	2.4	50 30	30	30	30	30	30
1,4-Dichlorobenzene	6.0 10.4	6.0	-17.6	-8.3	2.8	0.6	50 30	30	30	30	30	30
1,2,3-Trimethylbenzene	1.5 11.2	5.5	-16.1	-6.4	3.4	1.0	50 30	30	30	30	30	30
Benzyl chloride	-25.4 13.6	-3.9	-10.7	4.9	11.4	10.1	50 30	30	30	30	30	30
n-Butylbenzene	-3.4 20.4	-0.8	-18.0	-9.3	7.4	3.7	50 30	30	30	30	30	30
1,2-Dichlorobenzene	-3.6 12.3	-1.7	-14.5	-4.9	7.6	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.: 410-198585-1 Analy Batch No.: 562891
Environment Testing, LLC

SDG No.: _____

Instrument ID: 19094 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/14/2024 21:54 Calibration End Date: 10/15/2024 00:00 Calibration ID: 66594

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	-29.9 17.3	-8.3	-17.9	5.6	14.8	18.4	50 30	30	30	30	30	30
1,3,5-Trichlorobenzene	-5.7 17.3	1.4	-20.8	-4.7	7.2	5.5	50 30	30	30	30	30	30
1,2,4-Trichlorobenzene	0.4 15.9	-2.6	-21.8	-4.4	6.9	5.5	50 30	30	30	30	30	30
Hexachlorobutadiene	4.6 20.7	3.1	-20.7	-9.8	2.2	0.0	50 30	30	30	30	30	30
Naphthalene	-12.7 8.3	-1.3	-14.6	0.8	10.5	9.0	50 30	30	30	30	30	30
1,2,3-Trichlorobenzene	-3.0 12.8	-0.6	-18.8	-2.6	6.3	5.8	50 30	30	30	30	30	30
Dibromofluoromethane (Surr)	-0.5 -0.9	0.2	-0.8	0.0	1.7	0.4	50 30	30	30	30	30	30
1,2-Dichloroethane-d4 (Surr)	-1.9 -2.1	-2.2	1.1	-0.4	3.1	2.4	50 30	30	30	30	30	30
Toluene-d8 (Surr)	-0.1 0.4	0.3	-0.3	-0.2	0.6	-0.6	50 30	30	30	30	30	30
4-Bromofluorobenzene (Surr)	-0.8 0.0	-0.8	0.4	0.2	1.9	-0.9	50 30	30	30	30	30	30

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X12.D
 Lims ID: IC std1 0.2
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 14-Oct-2024 21:54:30 ALS Bottle#: 12 Worklist Smp#: 13
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0127661-013
 Misc. Info.: IC std1 0.2
 Operator ID: gaw91131 Instrument ID: 19094
 Sublist: chrom-MSV_19094_25mL*sub1
 Method: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\MSV_19094_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 17-Oct-2024 09:43:55 Calib Date: 15-Oct-2024 00:00:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1693

First Level Reviewer: JS6E

Date: 15-Oct-2024 01:18:55

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.843	1.843	0.000	96	9844	0.2000	0.2161	
5 Chloromethane	50	2.026	2.026	0.000	98	16777	0.2000	0.2469	
7 Butadiene	39	2.129	2.129	0.000	96	12542	0.2000	0.1996	
6 Vinyl chloride	62	2.129	2.135	-0.006	94	13677	0.2000	0.2339	
9 Bromomethane	94	2.440	2.440	0.000	70	9266	0.2000	0.2203	
10 Chloroethane	64	2.501	2.507	-0.006	97	8949	0.2000	0.2378	
11 Dichlorofluoromethane	67	2.721	2.727	-0.006	96	22096	0.2000	0.2293	
12 Trichlorofluoromethane	101	2.800	2.806	-0.006	49	13565	0.2000	0.2109	
14 Ethyl ether	59	3.007	3.007	0.000	71	7330	0.2000	0.2322	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.074	3.093	-0.019	87	12716	0.2000	0.2347	
16 Acrolein	56	3.178	3.160	0.018	99	38363	10.0	8.93	
17 1,1-Dichloroethene	96	3.294	3.294	0.000	96	7876	0.2000	0.2173	
19 Acetone	43	3.361	3.318	0.043	83	16468	2.00	3.30	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.324	3.330	-0.006	69	5961	0.2000	0.1774	
21 Iodomethane	142	3.483	3.477	0.006	98	14577	0.2000	0.1966	
22 Ethyl bromide	108	3.501	3.501	0.000	93	8356	0.2003	0.2374	
23 Carbon disulfide	76	3.580	3.580	0.000	100	24865	0.2000	0.2161	
24 Methyl acetate	43	3.782	3.702	0.080	20	5418	0.2000	0.3958	M
26 3-Chloro-1-propene	41	3.733	3.733	0.000	91	16167	0.2000	0.2126	
27 Methylene Chloride	84	3.897	3.897	0.000	91	9385	0.2000	0.2161	
* 28 t-Butyl alcohol-d10 (IS)	65	3.910	3.916	-0.006	92	89716	50.0	50.0	
29 2-Methyl-2-propanol	59	4.019	4.013	0.006	29	6305	4.00	4.09	M
31 Acrylonitrile	53		4.214				ND	ND	
32 Methyl tert-butyl ether	73	4.281	4.275	0.006	93	20742	0.2000	0.2055	
33 trans-1,2-Dichloroethene	96	4.294	4.294	0.000	96	9132	0.2000	0.2158	
34 Hexane	57	4.726	4.714	0.012	92	12400	0.2000	0.2206	
36 1,1-Dichloroethane	63	4.952	4.946	0.006	94	17030	0.2000	0.2049	
37 Isopropyl ether	45	5.019	5.001	0.018	95	31317	0.2000	0.2079	
38 2-Chloro-1,3-butadiene	53	5.062	5.062	0.000	89	14359	0.2000	0.2077	
40 Tert-butyl ethyl ether	59	5.556	5.549	0.007	98	28624	0.2000	0.2087	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
41 2-Butanone (MEK)	43	5.793	5.751	0.042	49	18265	2.00	2.11	M
42 cis-1,2-Dichloroethene	96	5.793	5.793	0.000	80	10552	0.2000	0.2136	
43 2,2-Dichloropropane	77	5.806	5.805	0.001	66	15621	0.2000	0.2263	
44 Propionitrile	54	5.909	5.836	0.073	39	7489	4.00	3.18	M
47 Methacrylonitrile	67	6.080	6.055	0.025	89	19563	2.00	2.07	M
48 Chlorobromomethane	128	6.129	6.129	0.000	49	4036	0.2000	0.2011	M
49 Tetrahydrofuran	71	6.171	6.141	0.030	77	2032	1.00	0.8343	
S 46 1,2-Dichloroethene, Total	100				0			0.4294	
50 Chloroform	83	6.293	6.281	0.012	93	16686	0.2000	0.2135	
\$ 52 Dibromofluoromethane (Surr)	113	6.500	6.500	0.000	94	483437	10.0	9.95	
53 1,1,1-Trichloroethane	97	6.513	6.513	0.000	36	14491	0.2000	0.2179	
54 Cyclohexane	56	6.616	6.622	-0.006	91	15288	0.2000	0.2109	
56 Carbon tetrachloride	117	6.726	6.732	-0.006	84	10804	0.2000	0.1948	
55 1,1-Dichloropropene	75	6.732	6.732	0.000	94	13615	0.2000	0.2183	
57 Isobutyl alcohol	41	6.921	6.885	0.036	37	7446	10.0	13.1	M
\$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.958	6.964	-0.006	80	96982	10.0	9.81	
59 Benzene	78	6.994	6.994	0.000	97	41566	0.2000	0.2167	
60 1,2-Dichloroethane	62	7.074	7.067	0.007	91	9506	0.2000	0.2110	
63 Tert-amyl methyl ether	73	7.195	7.195	0.000	97	24075	0.2000	0.2116	
* 64 Fluorobenzene (IS)	96	7.403	7.409	-0.006	99	2082750	10.0	10.0	
65 n-Heptane	43	7.421	7.427	-0.006	36	12726	0.2000	0.2301	Ma
67 n-Butanol	56	7.933	7.787	0.146	24	2658	17.5	6.74	M
68 Trichloroethene	95	7.897	7.897	0.000	97	11042	0.2000	0.2302	M
69 Methylcyclohexane	83	8.220	8.214	0.006	86	13512	0.2000	0.1954	
70 1,2-Dichloropropane	63	8.238	8.232	0.006	75	9534	0.2000	0.1963	
71 2-ethoxy-2-methyl butane	87	8.250	8.250	0.000	94	14702	0.2000	0.2040	
73 1,4-Dioxane	88	8.348	8.329	0.019	1	115	10.0	1.64	M
72 Methyl methacrylate	69	8.348	8.329	0.019	73	3421	0.2000	0.1916	
74 Dibromomethane	93	8.348	8.348	0.000	90	4102	0.2000	0.2017	M
76 Dichlorobromomethane	83	8.592	8.585	0.007	98	11014	0.2000	0.2038	M
77 2-Nitropropane	41	8.854	8.854	0.000	98	7438	1.00	1.28	M
79 1-Bromo-2-chloroethane	63	8.994	8.988	0.006	95	9216	0.2000	0.2066	
80 cis-1,3-Dichloropropene	75	9.165	9.152	0.013	95	13186	0.2000	0.1930	
82 4-Methyl-2-pentanone (MIBK)	43	9.341	9.335	0.006	98	48412	2.00	2.03	
\$ 83 Toluene-d8 (Surr)	98	9.476	9.475	0.001	94	2043817	10.0	9.99	
84 Toluene	92	9.561	9.561	0.000	97	24831	0.2000	0.2112	
85 trans-1,3-Dichloropropene	75	9.847	9.835	0.012	94	10182	0.2000	0.1883	
104 Ethyl methacrylate	69	9.908	9.902	0.006	89	8749	0.2000	0.2017	M
106 1,1,2-Trichloroethane	97	10.055	10.042	0.013	89	6655	0.2000	0.2235	
S 105 1,3-Dichloropropene, Total	100				0			0.3813	
107 Tetrachloroethene	166	10.134	10.134	0.000	96	11475	0.2000	0.2162	
108 1,3-Dichloropropane	76	10.213	10.213	0.000	91	9840	0.2000	0.1884	
109 2-Hexanone	43	10.280	10.268	0.012	97	26629	2.00	1.74	
111 Chlorodibromomethane	129	10.439	10.433	0.006	89	6354	0.2000	0.1795	
112 Ethylene Dibromide	107	10.548	10.548	0.000	98	5069	0.2000	0.1867	
* 113 Chlorobenzene-d5 (IS)	117	10.994	10.993	0.001	86	1492945	10.0	10.0	
114 1-Chlorohexane	91	11.006	11.006	0.000	90	16653	0.2000	0.2495	
115 Chlorobenzene	112	11.018	11.018	0.000	96	26161	0.2000	0.2064	
116 1,1,1,2-Tetrachloroethane	131	11.109	11.103	0.006	43	8713	0.2000	0.1982	
117 Ethylbenzene	91	11.109	11.109	0.000	99	47342	0.2000	0.2073	
119 m-Xylene & p-Xylene	106	11.231	11.225	0.006	99	36841	0.4000	0.4168	
S 118 Xylenes, Total	106				0			0.6181	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
120 o-Xylene	106	11.567	11.560	0.007	97	17305	0.2000	0.2013	
121 Styrene	104	11.585	11.579	0.006	95	28408	0.2000	0.2036	
122 Bromoform	173	11.743	11.737	0.006	86	2789	0.2000	0.1418	
123 Isopropylbenzene	105	11.871	11.871	0.000	96	41699	0.2000	0.2056	
\$ 126 4-Bromofluorobenzene (Surr)	95	12.018	12.012	0.006	92	727815	10.0	9.92	
127 1,1,2,2-Tetrachloroethane	83	12.121	12.115	0.006	92	7347	0.2000	0.2013	M
128 Bromobenzene	156	12.134	12.134	0.000	90	11223	0.2000	0.2125	
129 trans-1,4-Dichloro-2-butene	53	12.152	12.140	0.012	93	13813	2.00	1.72	
130 1,2,3-Trichloropropane	110	12.164	12.164	0.000	73	1307	0.2000	0.1474	
131 N-Propylbenzene	91	12.207	12.201	0.006	99	56107	0.2000	0.2107	
132 2-Chlorotoluene	126	12.280	12.280	0.000	96	10343	0.2000	0.1980	
133 1,3,5-Trimethylbenzene	105	12.347	12.341	0.006	93	37416	0.2000	0.1996	
134 4-Chlorotoluene	126	12.377	12.371	0.006	95	10658	0.2000	0.1991	
135 tert-Butylbenzene	134	12.585	12.585	0.000	93	8263	0.2000	0.1937	
136 Pentachloroethane	167	12.621	12.615	0.006	79	6503	0.2000	0.1920	
137 1,2,4-Trimethylbenzene	105	12.633	12.627	0.006	97	38174	0.2000	0.1997	
138 sec-Butylbenzene	105	12.749	12.749	0.000	94	51011	0.2000	0.2132	
139 1,3-Dichlorobenzene	146	12.853	12.847	0.006	98	21260	0.2000	0.2049	
140 4-Isopropyltoluene	119	12.859	12.859	0.000	97	41913	0.2000	0.1996	
* 141 1,4-Dichlorobenzene-d4	152	12.908	12.908	0.000	95	833699	10.0	10.0	
142 1,4-Dichlorobenzene	146	12.926	12.926	0.000	94	22457	0.2000	0.2120	
143 1,2,3-Trimethylbenzene	120	12.938	12.932	0.006	96	17514	0.2000	0.2030	
144 Benzyl chloride	126	13.011	12.999	0.012	99	2199	0.2000	0.1492	
145 p-Diethylbenzene	119	13.139	13.133	0.006	96	25832	0.2000	0.2043	
146 n-Butylbenzene	92	13.158	13.158	0.000	97	18738	0.2000	0.1933	
147 1,2-Dichlorobenzene	146	13.188	13.182	0.006	96	17864	0.2000	0.1928	
149 1,2-Dibromo-3-Chloropropane	155	13.749	13.731	0.018	1	678	0.2000	0.1403	M
150 1,3,5-Trichlorobenzene	180	13.865	13.859	0.006	97	14521	0.2000	0.1885	
151 1,2,4-Trichlorobenzene	180	14.292	14.286	0.006	94	13282	0.2000	0.2008	
152 Hexachlorobutadiene	225	14.371	14.371	0.000	93	5589	0.2000	0.2092	
153 Naphthalene	128	14.475	14.462	0.013	97	19933	0.2000	0.1746	
154 1,2,3-Trichlorobenzene	180	14.615	14.603	0.012	95	11117	0.2000	0.1940	
157 Pentane	43		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_LL_#1_826_00150

Amount Added: 2.00

Units: uL

MSV_LL_GAS826_00238

Amount Added: 2.00

Units: uL

MSV_LL_#2_826_00157

Amount Added: 2.00

Units: uL

MSV_LLcentISS_00014

Amount Added: 5.00

Units: uL

Run Reagent

Chrom Revision: 2.3 24-Sep-2024 15:19:46

Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X12.D

Operator ID: qaw91131

Worklist Smp#: 13

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

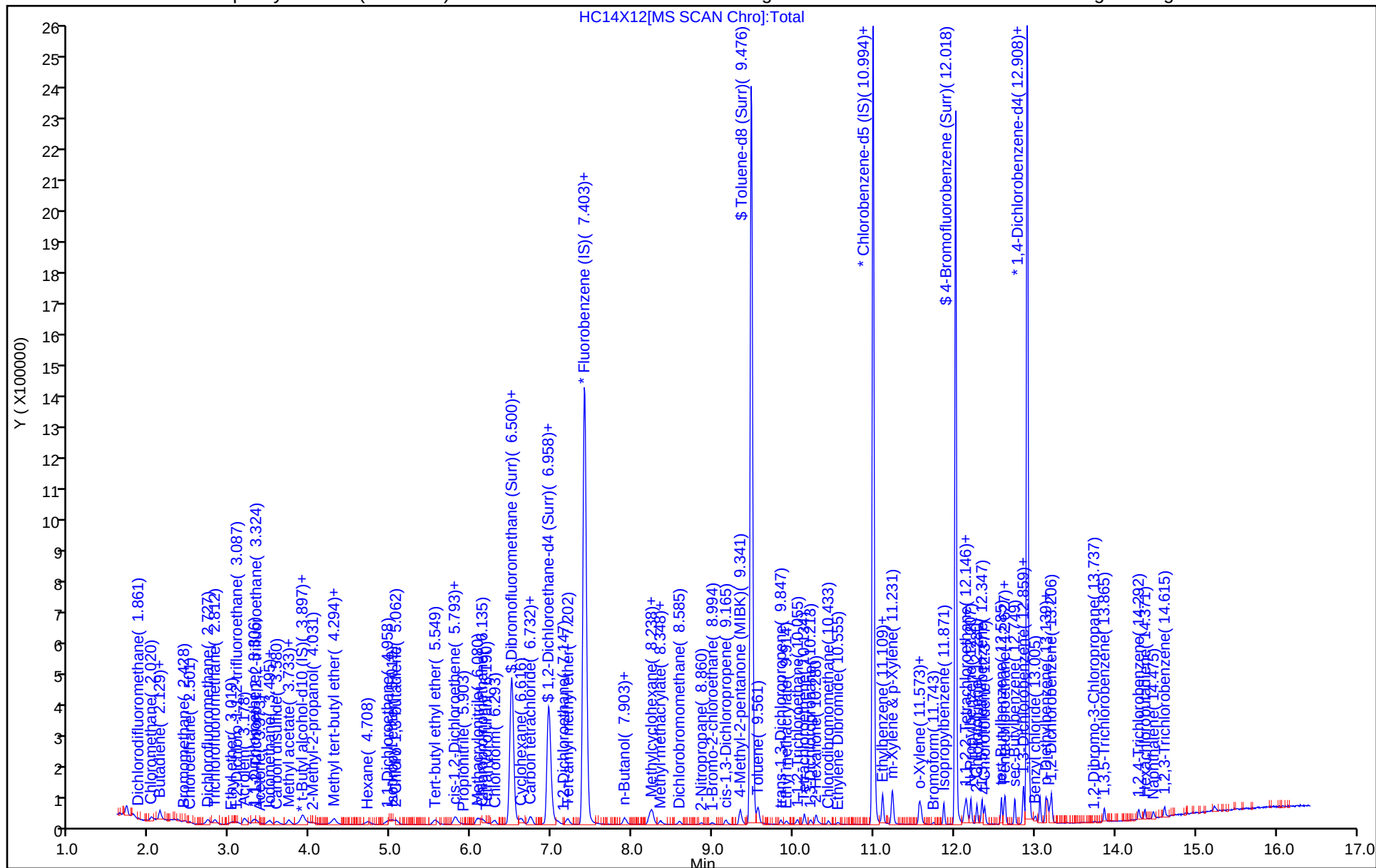
ALS Bottle#: 12

Method: MSV 19094 25mL

Limit Group: MSV - 8260C D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

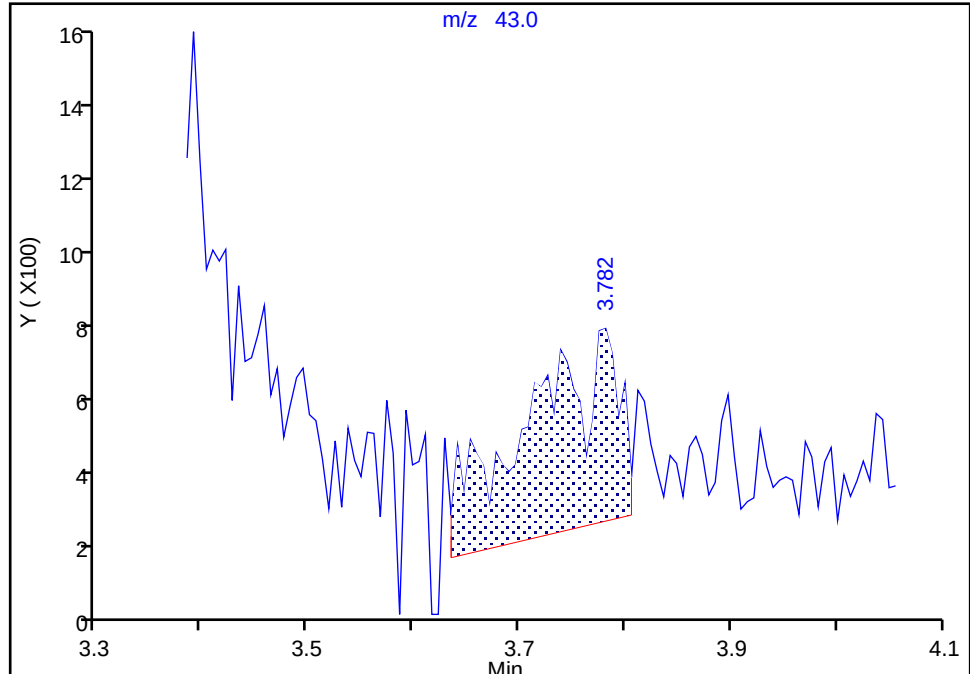
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Injection Date: 14-Oct-2024 21:54:30 Instrument ID: 19094
Lims ID: IC std1 0.2
Client ID:
Operator ID: gaw91131 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

24 Methyl acetate, CAS: 79-20-9

Signal: 1

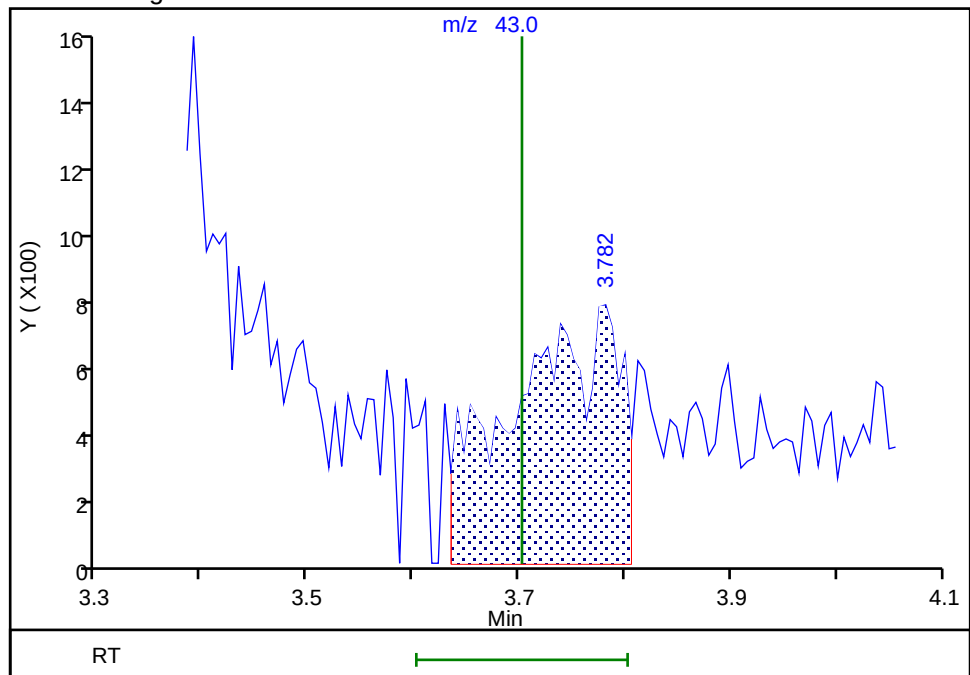
RT: 3.78
Area: 3212
Amount: 0.214510
Amount Units: ug/l

Processing Integration Results



RT: 3.78
Area: 5418
Amount: 0.395788
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 15-Oct-2024 08:17:22 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

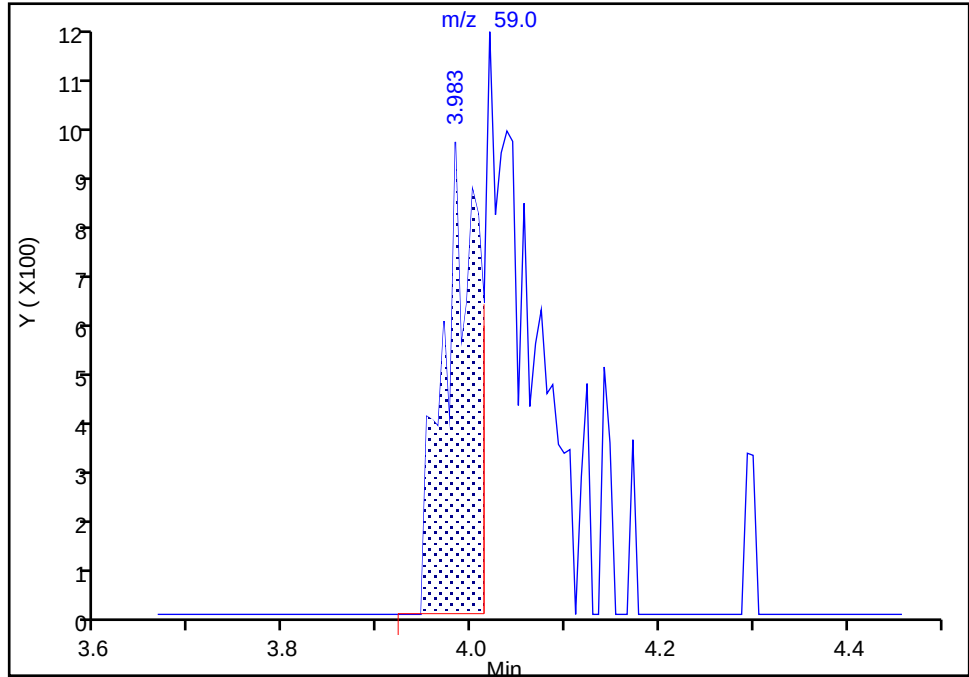
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Injection Date: 14-Oct-2024 21:54:30 Instrument ID: 19094
Lims ID: IC std1 0.2
Client ID:
Operator ID: gaw91131 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

29 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

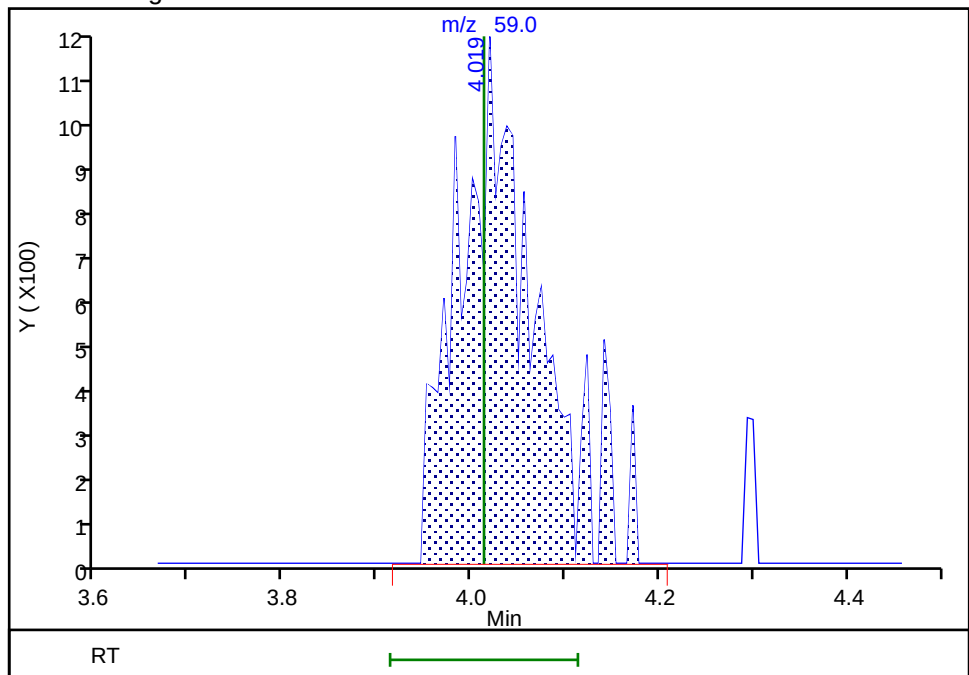
RT: 3.98
Area: 2285
Amount: 3.275802
Amount Units: ug/l

Processing Integration Results



RT: 4.02
Area: 6305
Amount: 4.085970
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 15-Oct-2024 08:17:32 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

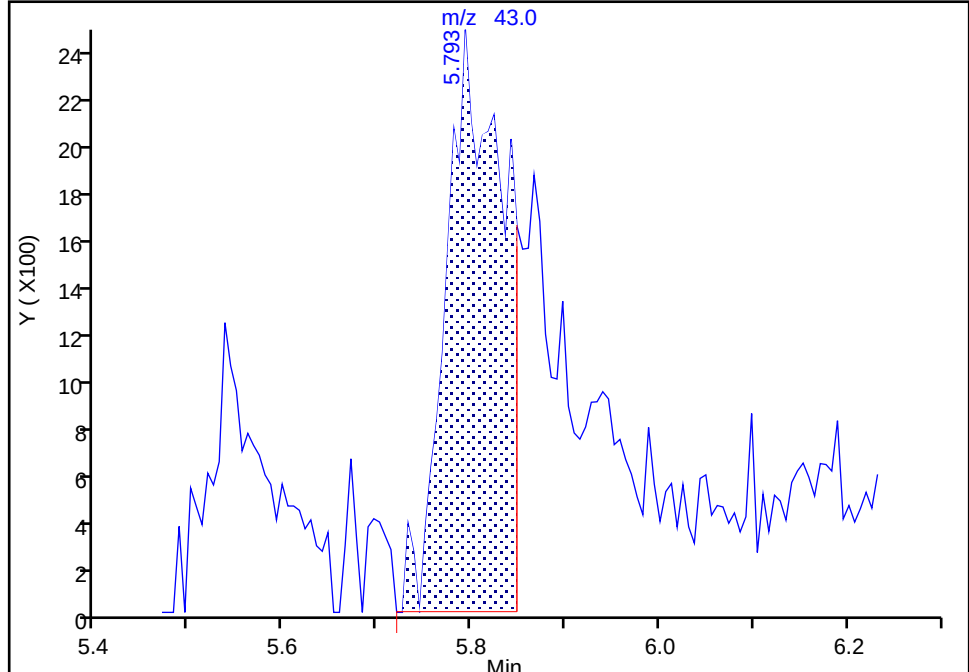
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Injection Date: 14-Oct-2024 21:54:30 Instrument ID: 19094
Lims ID: IC std1 0.2
Client ID:
Operator ID: gaw91131 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

41 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

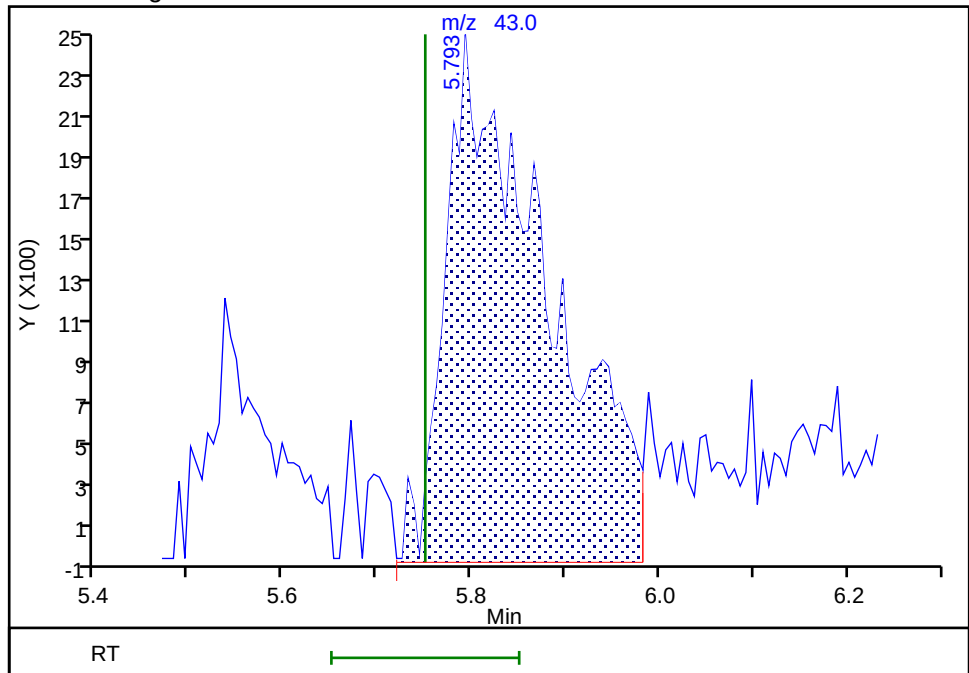
RT: 5.79
Area: 10335
Amount: 1.274744
Amount Units: ug/l

Processing Integration Results



RT: 5.79
Area: 18265
Amount: 2.105733
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 15-Oct-2024 08:17:45 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

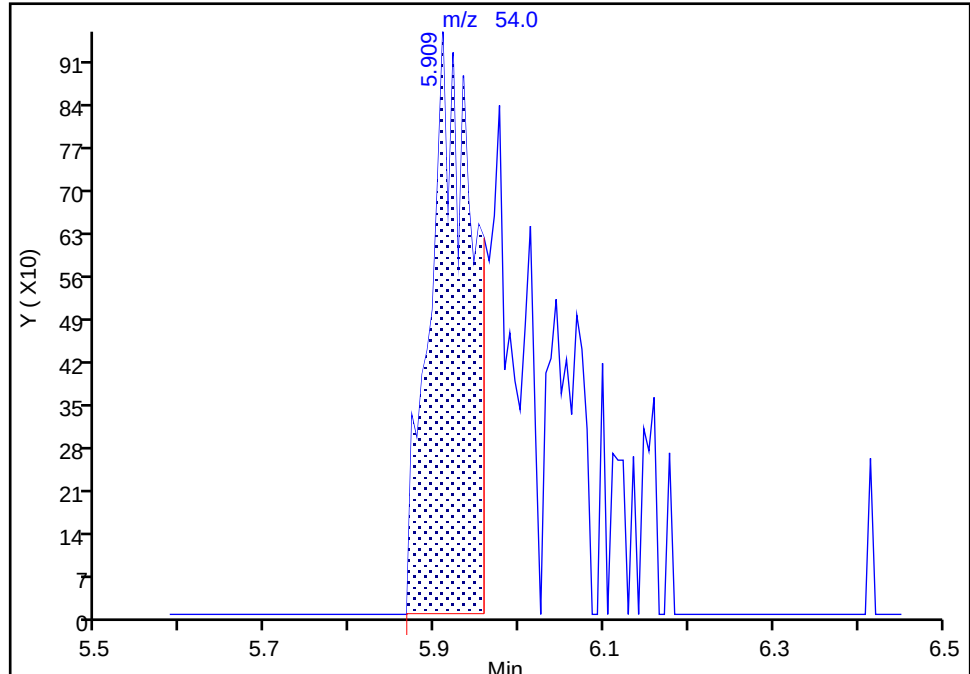
Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X12.D
Injection Date: 14-Oct-2024 21:54:30 Instrument ID: 19094
Lims ID: IC std1 0.2
Client ID:
Operator ID: gaw91131 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

44 Propionitrile, CAS: 107-12-0

Signal: 1

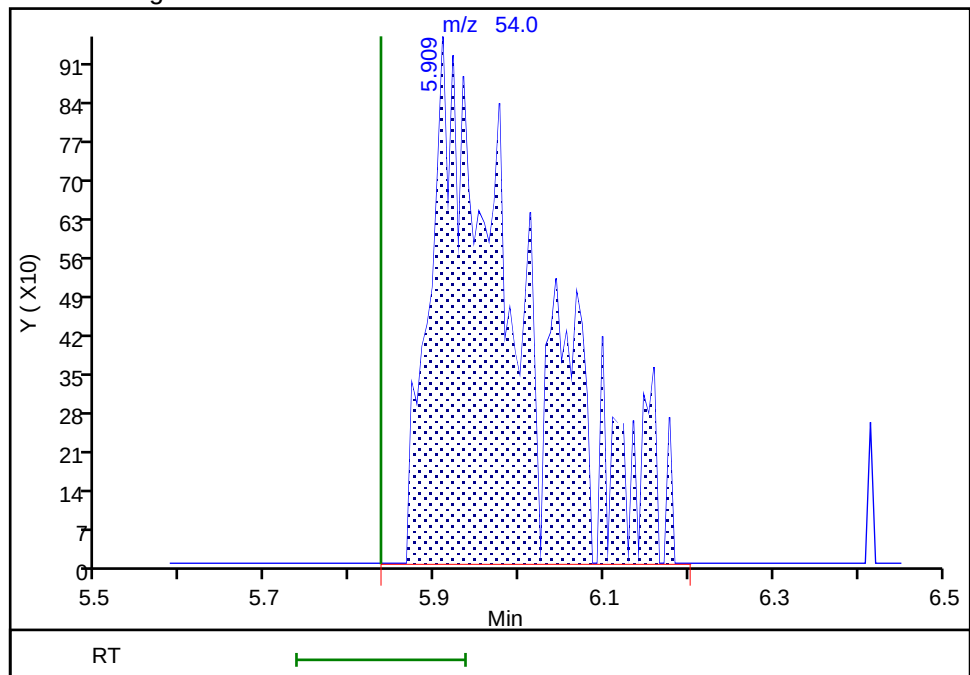
RT: 5.91
Area: 3331
Amount: 4.255359
Amount Units: ug/l

Processing Integration Results



RT: 5.91
Area: 7489
Amount: 3.183883
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 15-Oct-2024 08:17:56 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

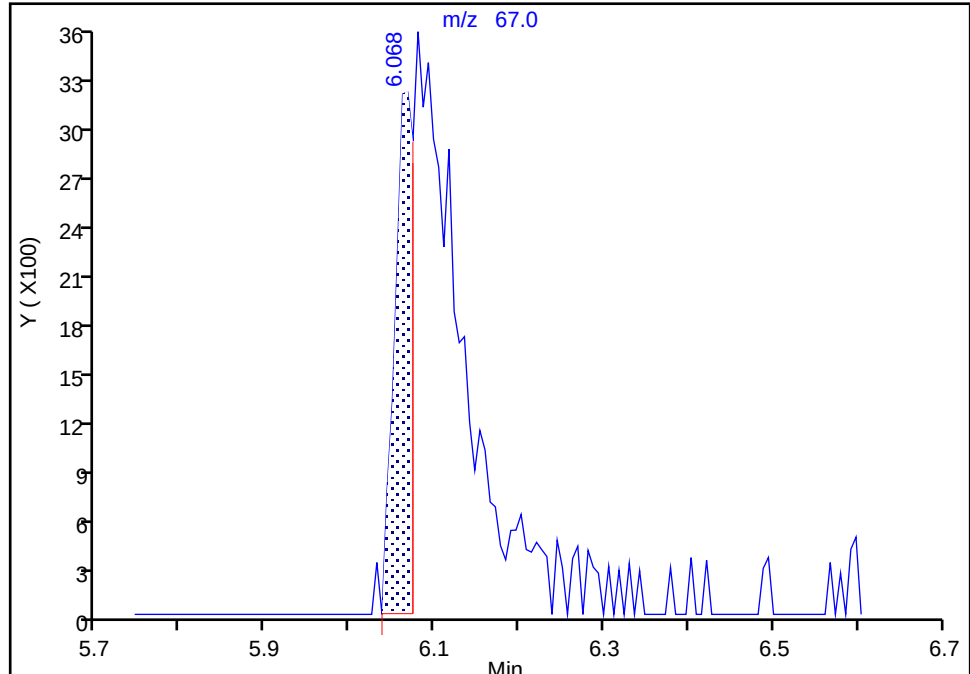
Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X12.D
Injection Date: 14-Oct-2024 21:54:30 Instrument ID: 19094
Lims ID: IC std1 0.2
Client ID:
Operator ID: gaw91131 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

47 Methacrylonitrile, CAS: 126-98-7

Signal: 1

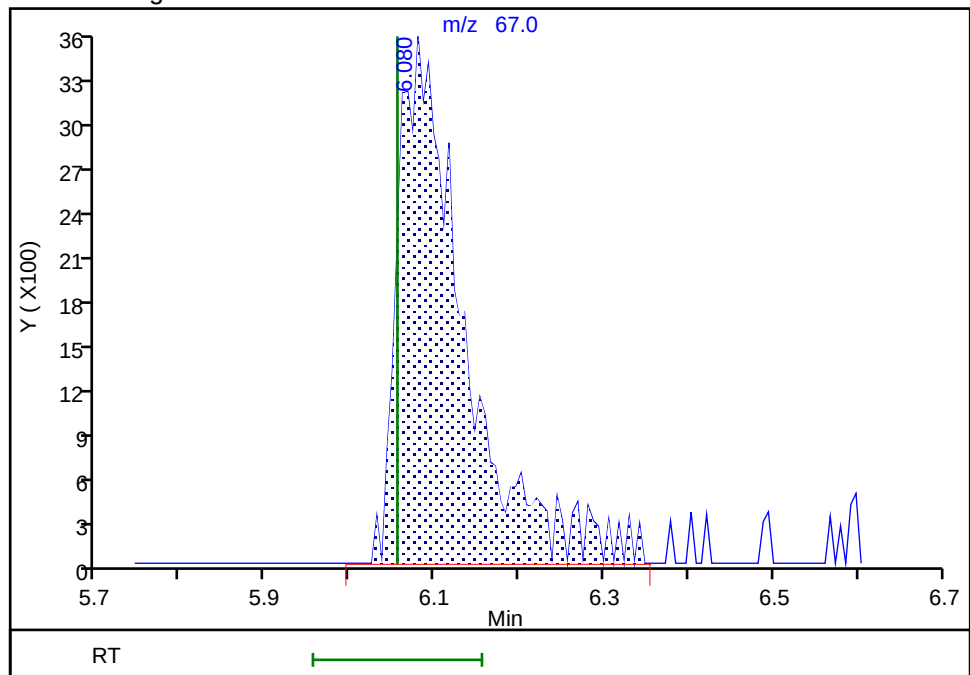
RT: 6.07
Area: 4968
Amount: 1.919640
Amount Units: ug/l

Processing Integration Results



RT: 6.08
Area: 19563
Amount: 2.068597
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 15-Oct-2024 08:18:00 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

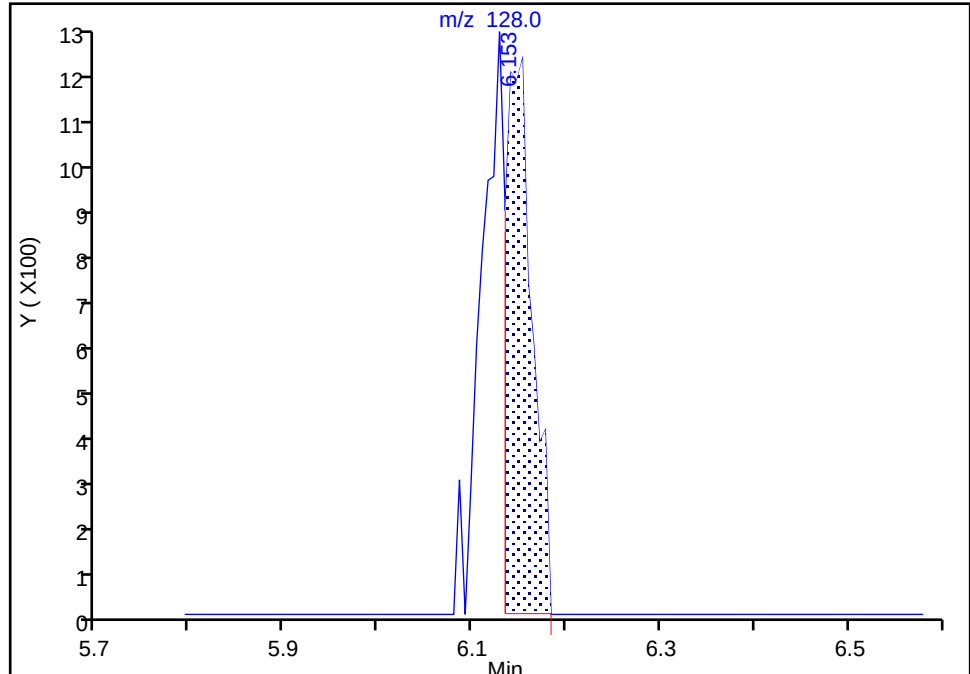
Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X12.D
Injection Date: 14-Oct-2024 21:54:30 Instrument ID: 19094
Lims ID: IC std1 0.2
Client ID:
Operator ID: gaw91131 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

48 Chlorobromomethane, CAS: 74-97-5

Signal: 1

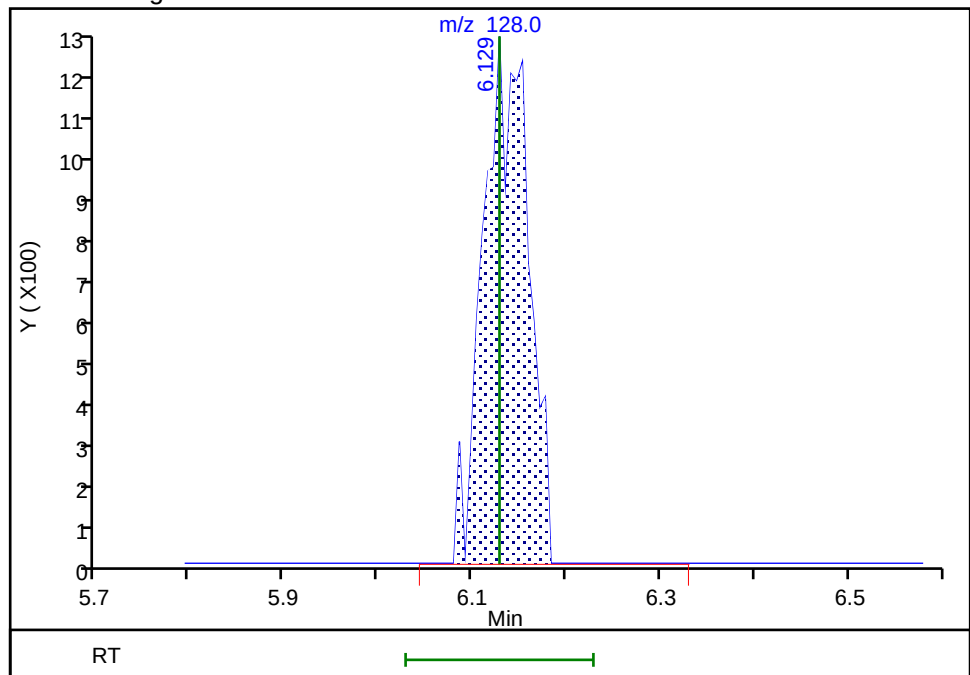
RT: 6.15
Area: 2259
Amount: 0.120185
Amount Units: ug/l

Processing Integration Results



RT: 6.13
Area: 4036
Amount: 0.201144
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 15-Oct-2024 08:18:03 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

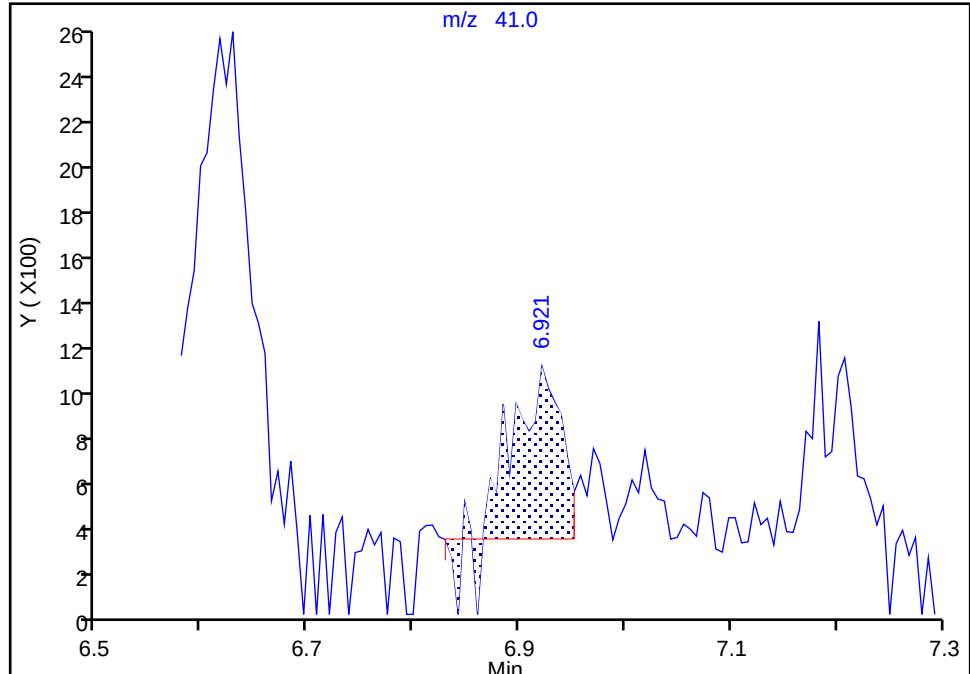
Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X12.D
Injection Date: 14-Oct-2024 21:54:30 Instrument ID: 19094
Lims ID: IC std1 0.2
Client ID:
Operator ID: gaw91131 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

57 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

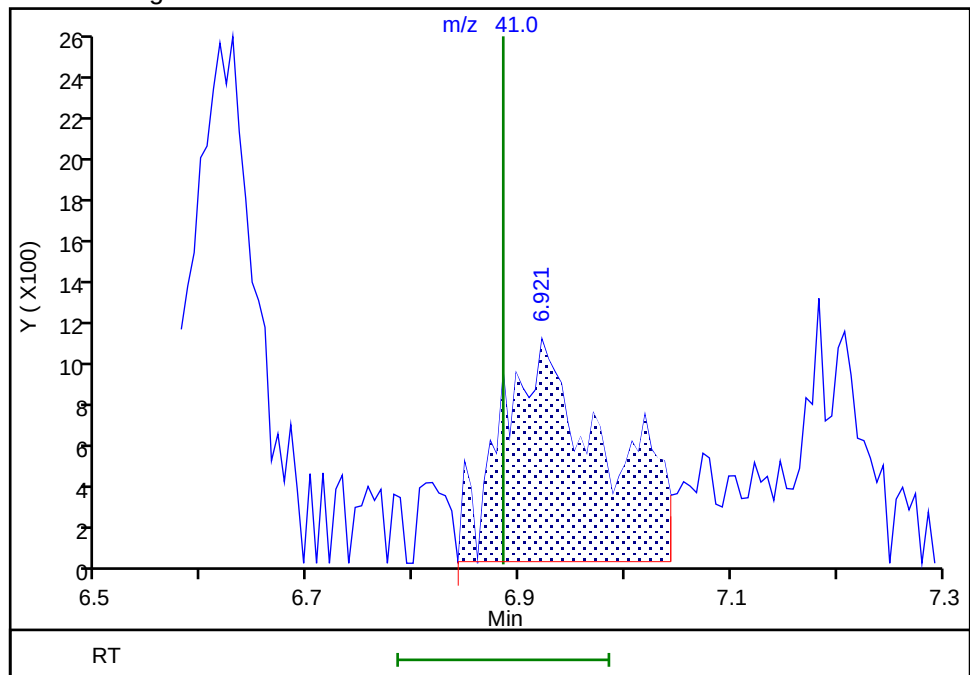
RT: 6.92
Area: 2239
Amount: 9.295623
Amount Units: ug/l

Processing Integration Results



RT: 6.92
Area: 7446
Amount: 13.083264
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 15-Oct-2024 08:18:18 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

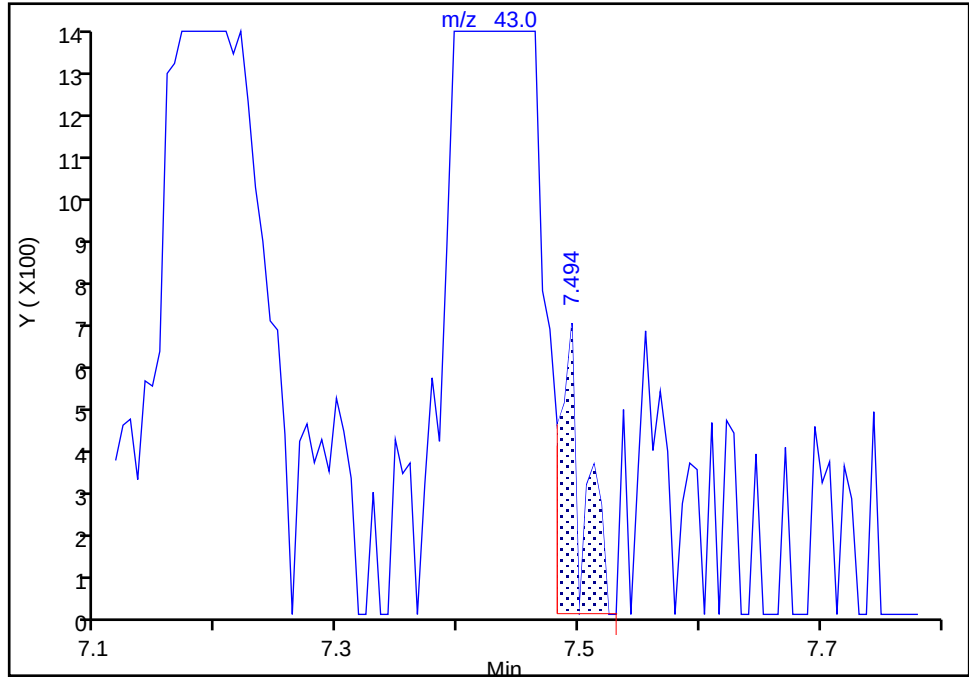
Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X12.D
Injection Date: 14-Oct-2024 21:54:30 Instrument ID: 19094
Lims ID: IC std1 0.2
Client ID:
Operator ID: gaw91131 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

65 n-Heptane, CAS: 142-82-5

Signal: 1

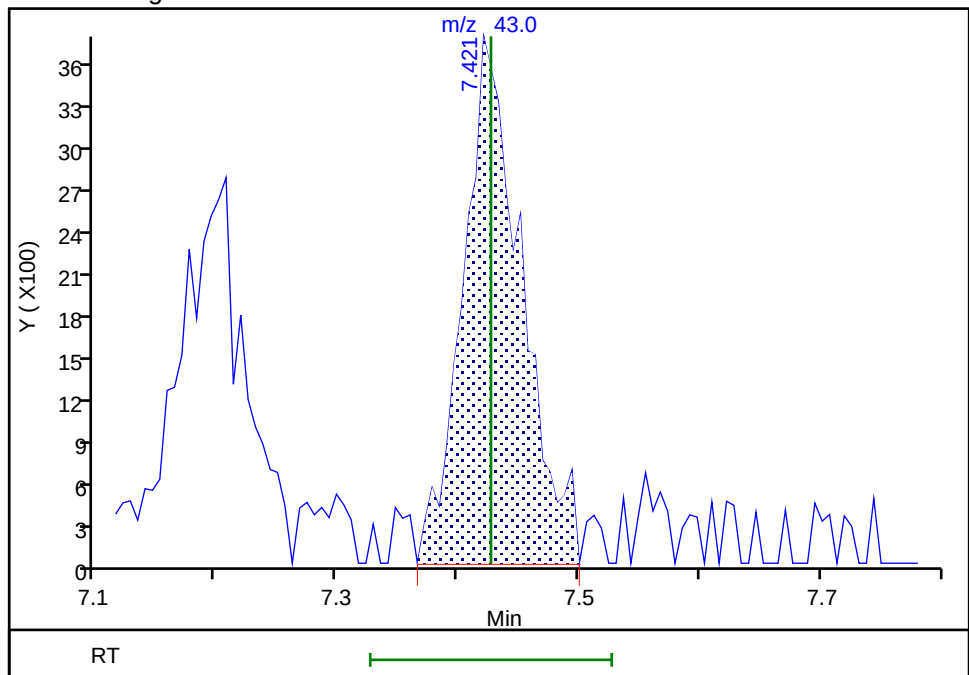
RT: 7.49
Area: 910
Amount: 0.193951
Amount Units: ug/l

Processing Integration Results



RT: 7.42
Area: 12726
Amount: 0.230115
Amount Units: ug/l

Manual Integration Results



Reviewer: UKEK, 17-Oct-2024 09:00:05 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins Lancaster Laboratories Environment Testing, LLC

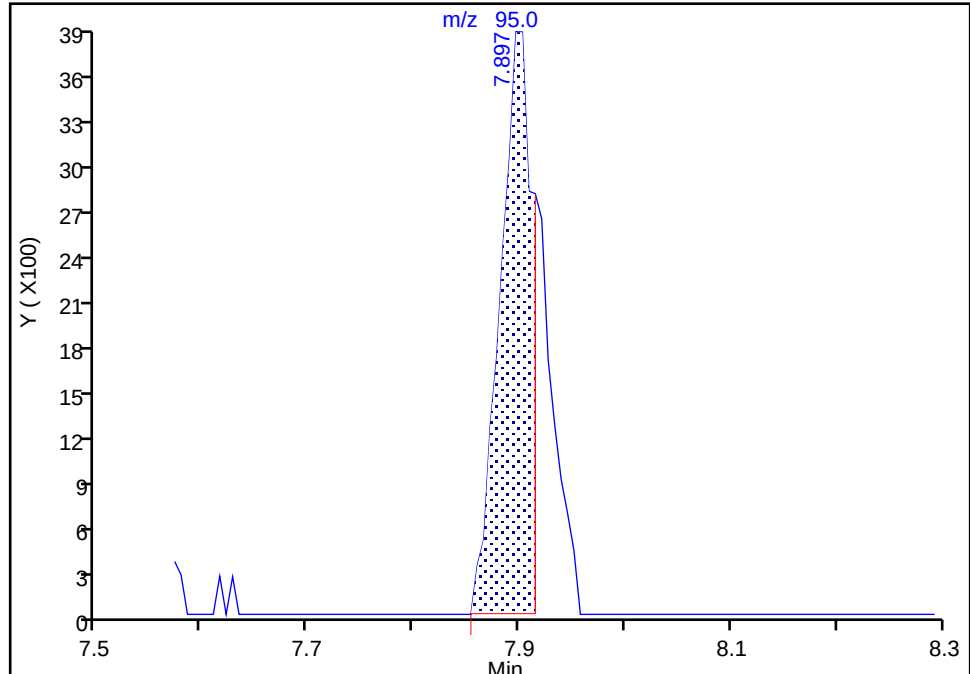
Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X12.D
Injection Date: 14-Oct-2024 21:54:30 Instrument ID: 19094
Lims ID: IC std1 0.2
Client ID:
Operator ID: gaw91131 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

68 Trichloroethene, CAS: 79-01-6

Signal: 1

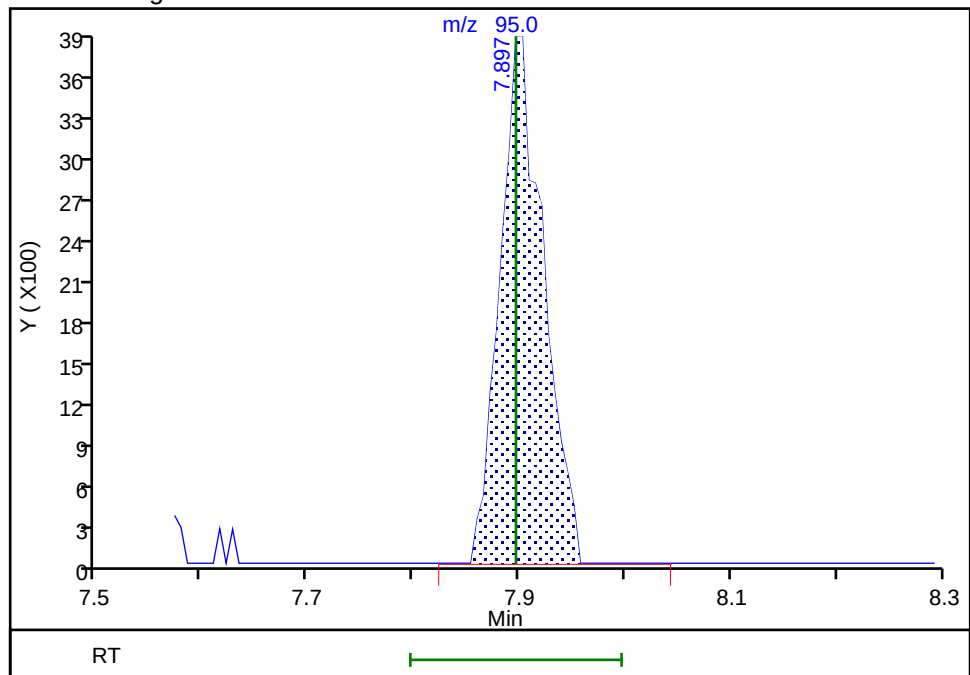
RT: 7.90
Area: 8269
Amount: 0.179844
Amount Units: ug/l

Processing Integration Results



RT: 7.90
Area: 11042
Amount: 0.230236
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 15-Oct-2024 08:18:34 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

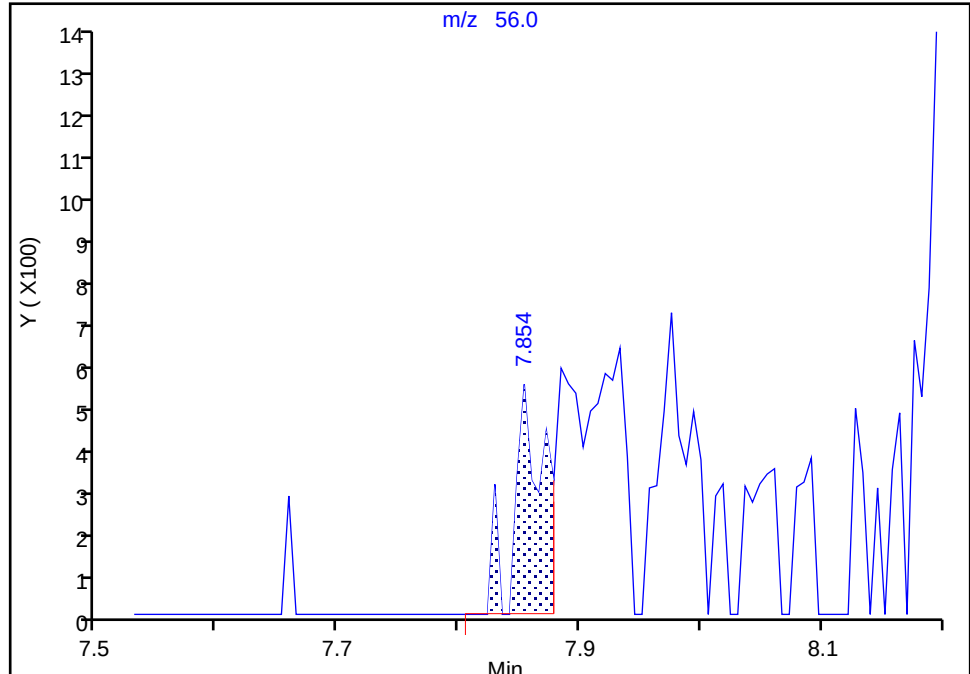
Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X12.D
Injection Date: 14-Oct-2024 21:54:30 Instrument ID: 19094
Lims ID: IC std1 0.2
Client ID:
Operator ID: gaw91131 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

67 n-Butanol, CAS: 71-36-3

Signal: 1

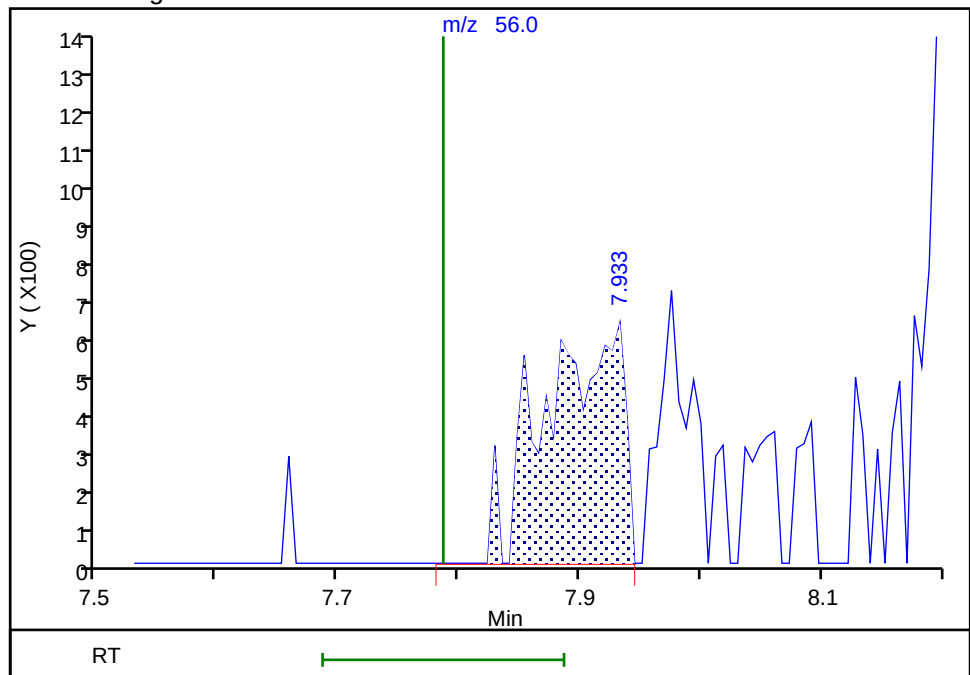
RT: 7.85
Area: 875
Amount: 22.608828
Amount Units: ug/l

Processing Integration Results



RT: 7.93
Area: 2658
Amount: 6.736567
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 15-Oct-2024 08:18:30 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

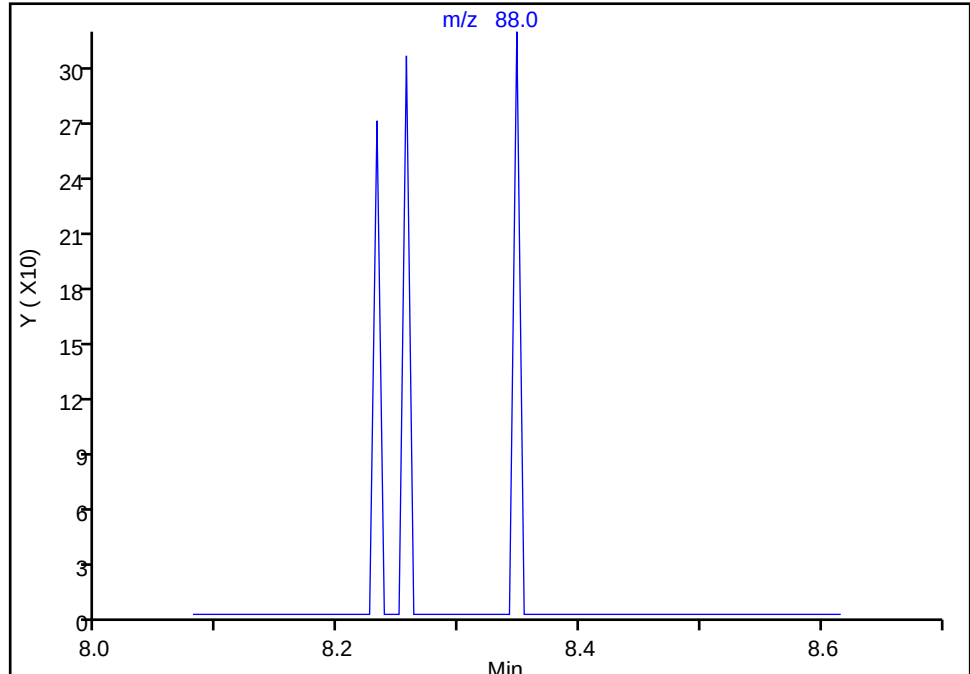
Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X12.D
Injection Date: 14-Oct-2024 21:54:30 Instrument ID: 19094
Lims ID: IC std1 0.2
Client ID:
Operator ID: gaw91131 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

73 1,4-Dioxane, CAS: 123-91-1

Signal: 1

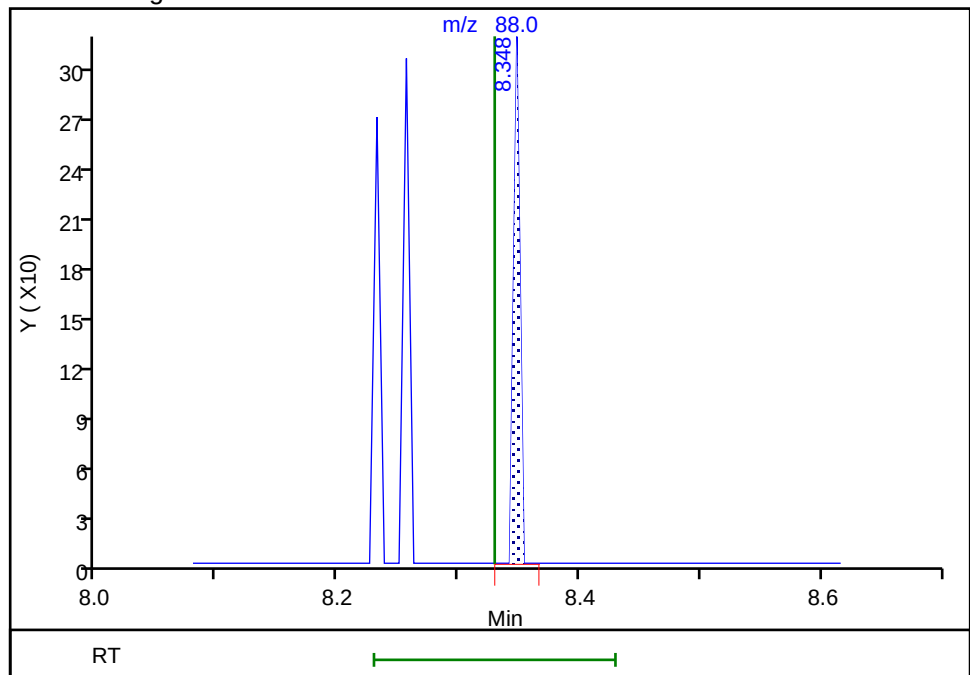
Not Detected
Expected RT: 8.33

Processing Integration Results



RT: 8.35
Area: 115
Amount: 1.636547
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 15-Oct-2024 08:18:39 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

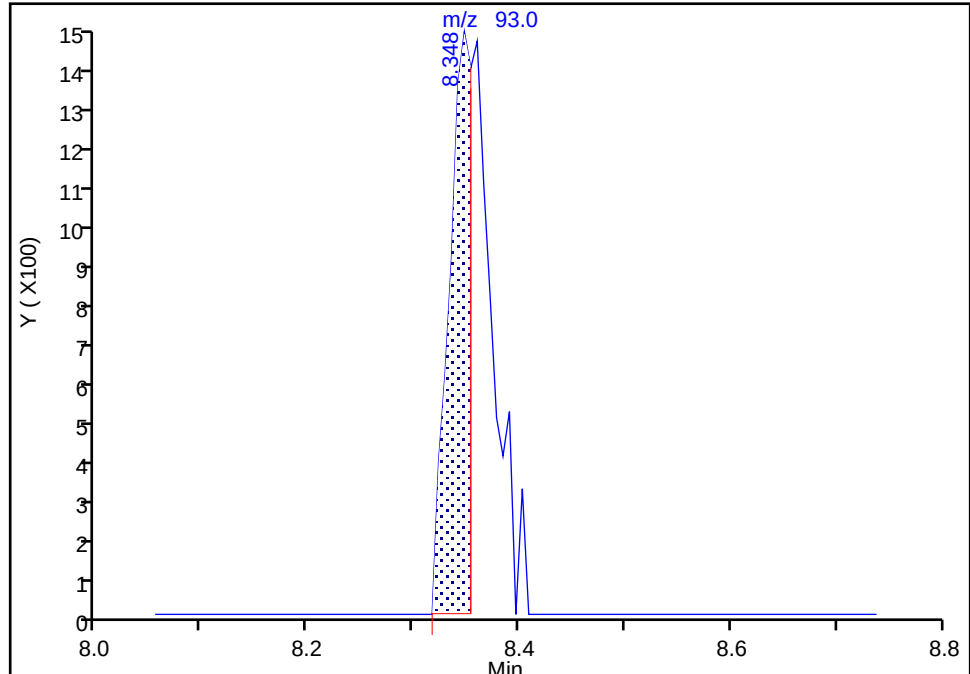
Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X12.D
Injection Date: 14-Oct-2024 21:54:30 Instrument ID: 19094
Lims ID: IC std1 0.2
Client ID:
Operator ID: gaw91131 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

74 Dibromomethane, CAS: 74-95-3

Signal: 1

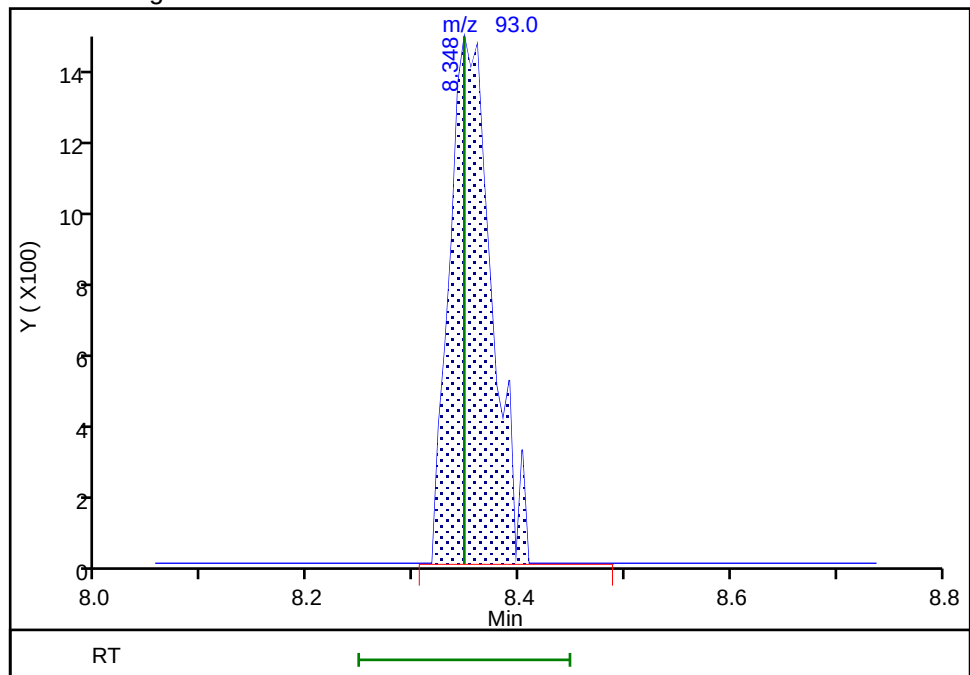
RT: 8.35
Area: 2239
Amount: 0.270563
Amount Units: ug/l

Processing Integration Results



RT: 8.35
Area: 4102
Amount: 0.201743
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 15-Oct-2024 08:18:48 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

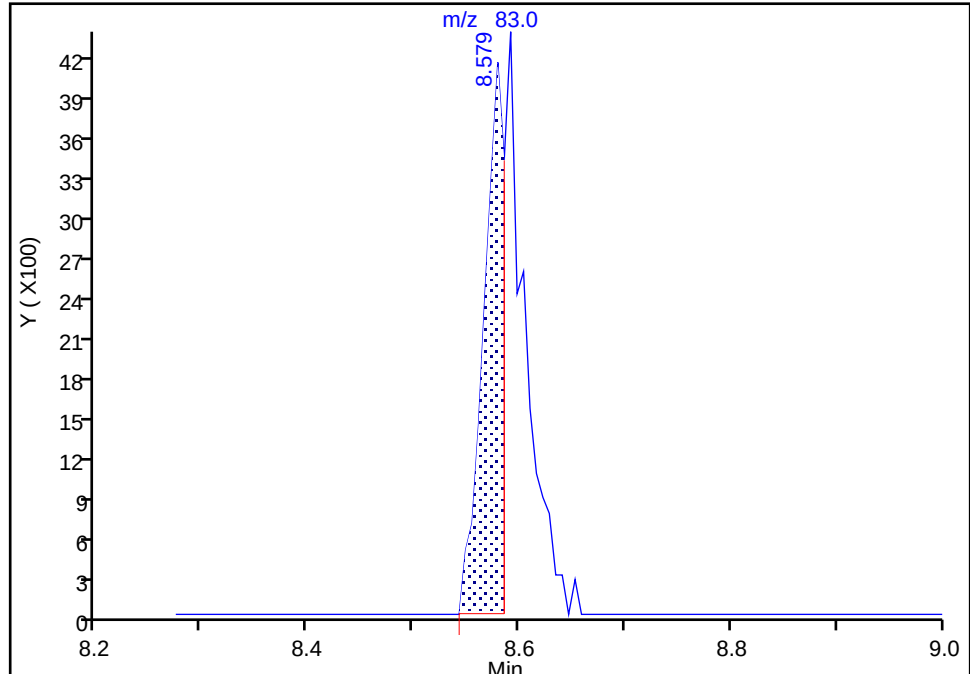
Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X12.D
Injection Date: 14-Oct-2024 21:54:30 Instrument ID: 19094
Lims ID: IC std1 0.2
Client ID:
Operator ID: gaw91131 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

76 Dichlorobromomethane, CAS: 75-27-4

Signal: 1

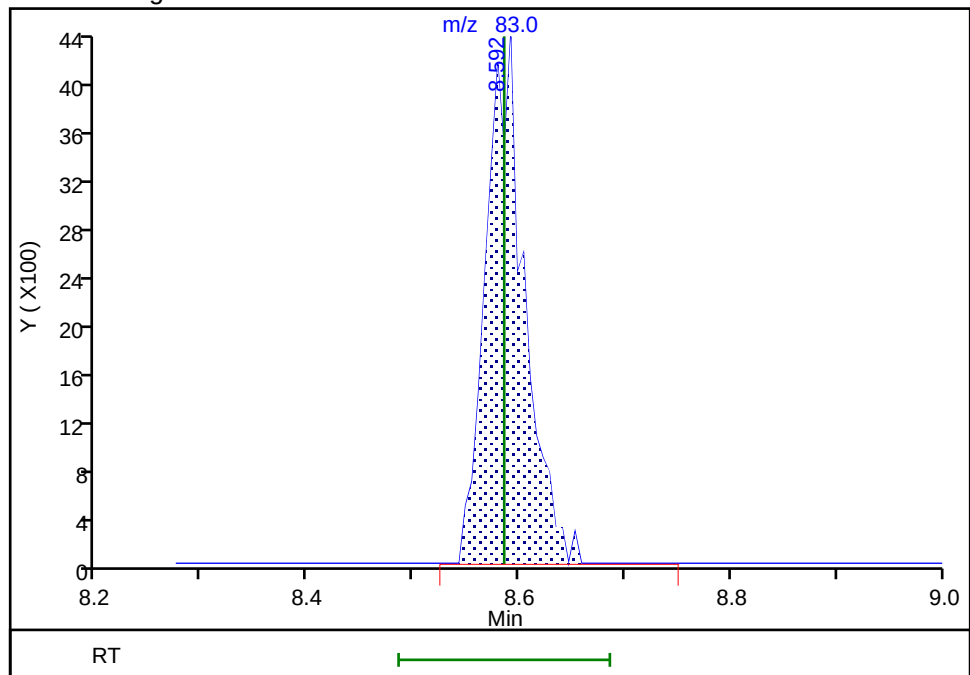
RT: 8.58
Area: 5758
Amount: 0.195215
Amount Units: ug/l

Processing Integration Results



RT: 8.59
Area: 11014
Amount: 0.203763
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 15-Oct-2024 08:18:50 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

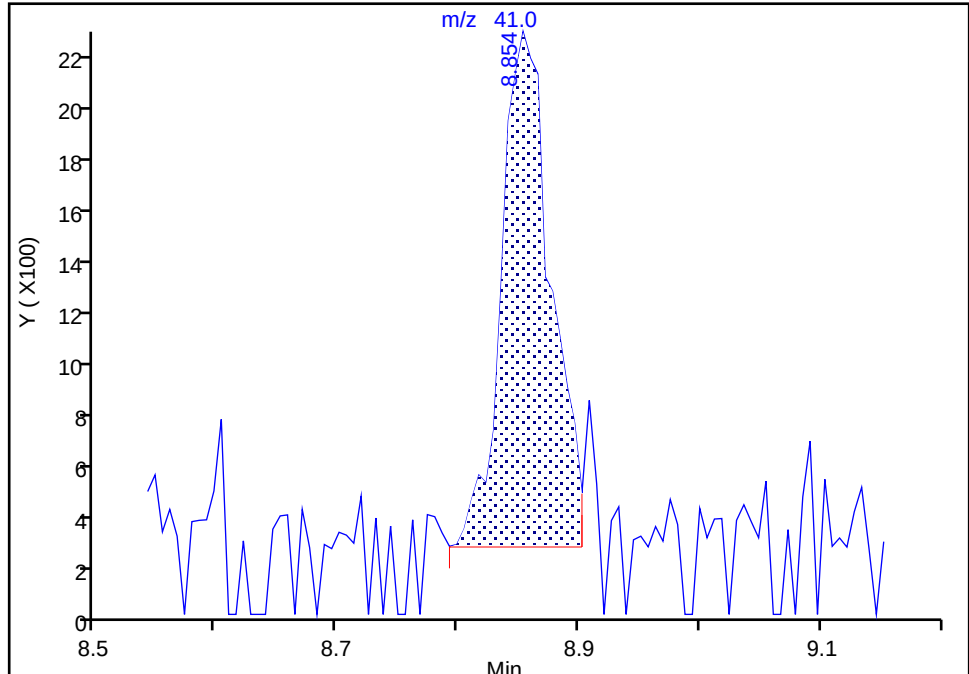
Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X12.D
Injection Date: 14-Oct-2024 21:54:30 Instrument ID: 19094
Lims ID: IC std1 0.2
Client ID:
Operator ID: gaw91131 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

77 2-Nitropropane, CAS: 79-46-9

Signal: 1

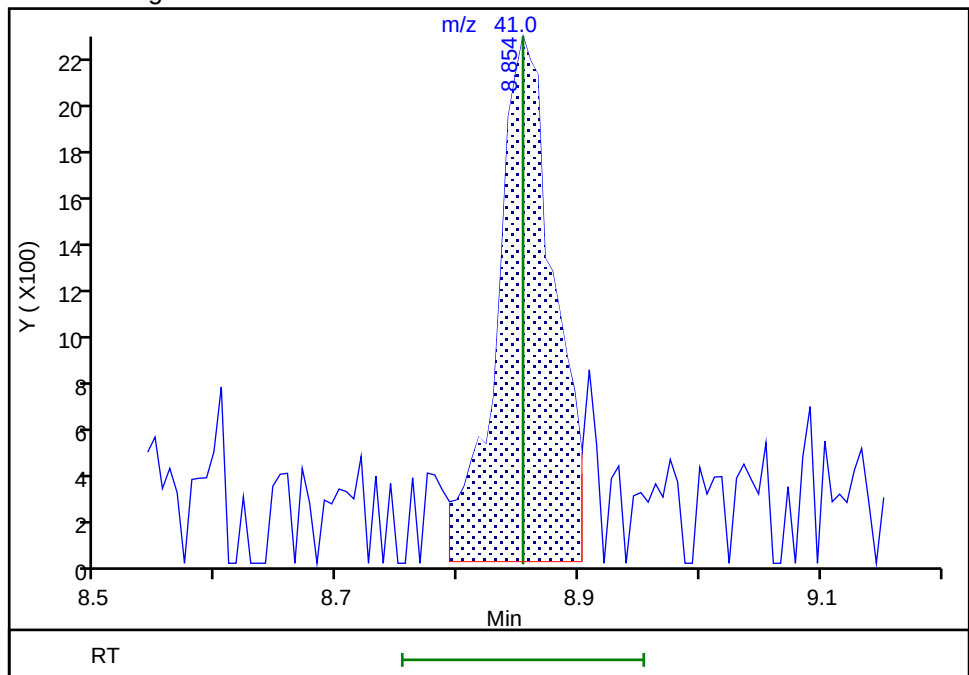
RT: 8.85
Area: 5659
Amount: 1.017405
Amount Units: ug/l

Processing Integration Results



RT: 8.85
Area: 7438
Amount: 1.278812
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 15-Oct-2024 08:18:59 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

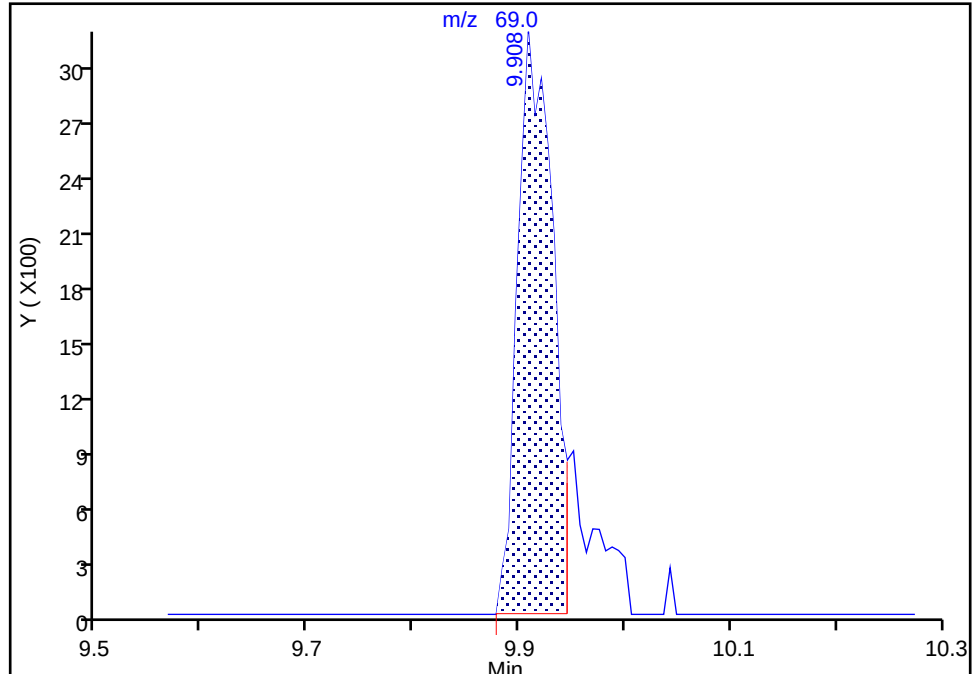
Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X12.D
Injection Date: 14-Oct-2024 21:54:30 Instrument ID: 19094
Lims ID: IC std1 0.2
Client ID:
Operator ID: gaw91131 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

104 Ethyl methacrylate, CAS: 97-63-2

Signal: 1

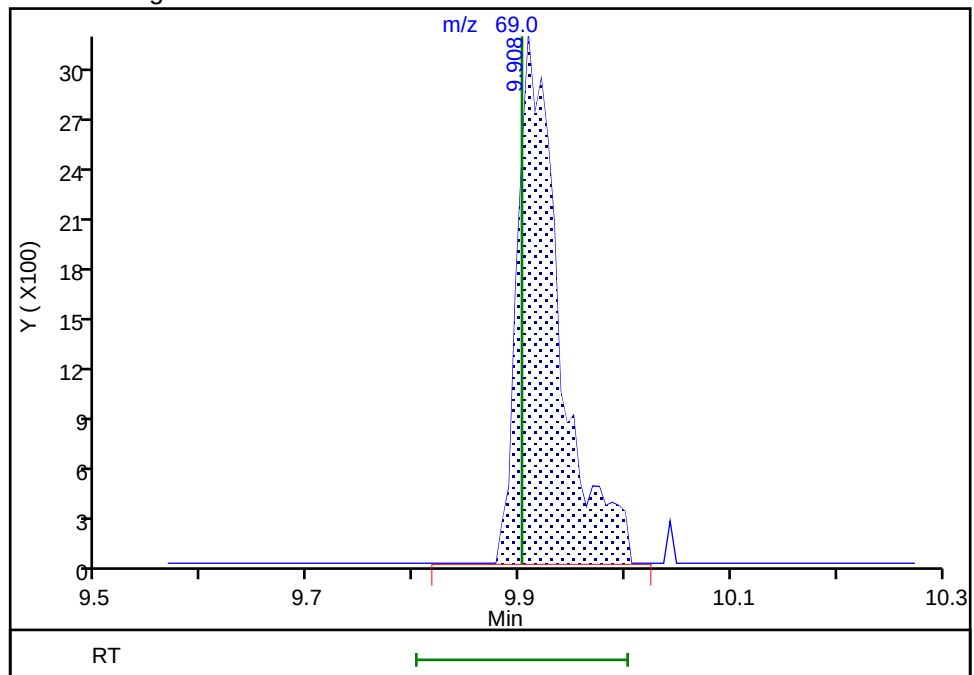
RT: 9.91
Area: 7294
Amount: 0.172286
Amount Units: ug/l

Processing Integration Results



RT: 9.91
Area: 8749
Amount: 0.201702
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 15-Oct-2024 08:19:11 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

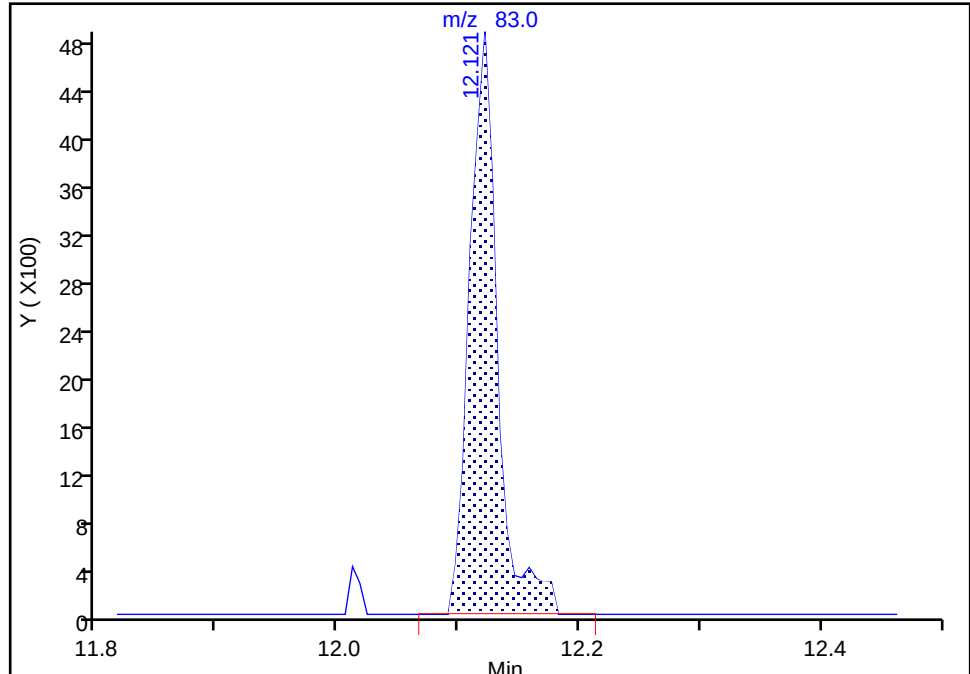
Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X12.D
Injection Date: 14-Oct-2024 21:54:30 Instrument ID: 19094
Lims ID: IC std1 0.2
Client ID:
Operator ID: gaw91131 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

127 1,1,2,2-Tetrachloroethane, CAS: 79-34-5
Signal: 1

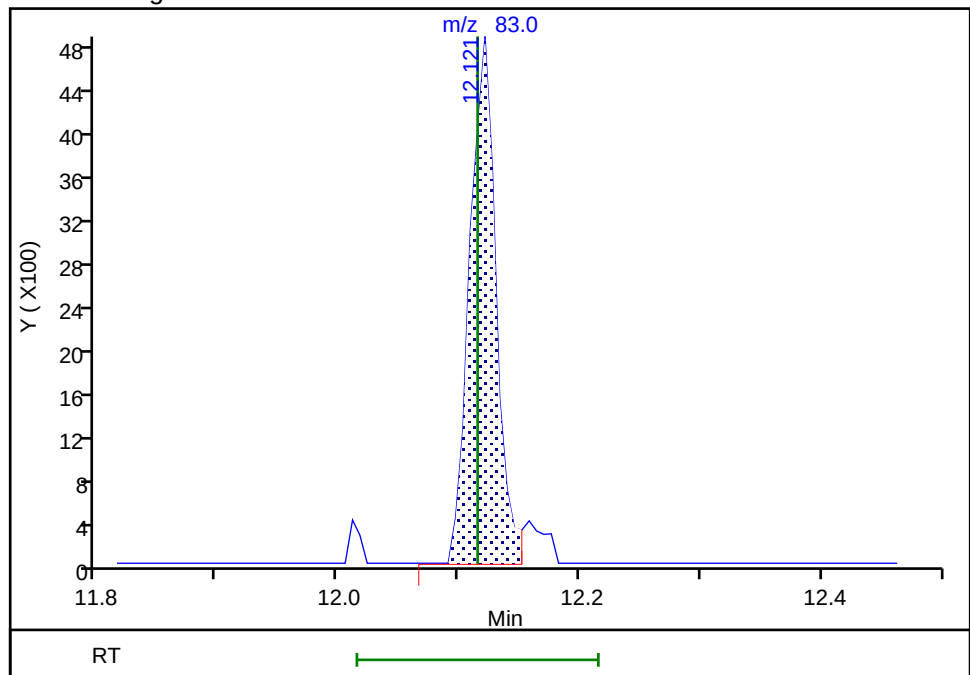
RT: 12.12
Area: 7796
Amount: 0.208976
Amount Units: ug/l

Processing Integration Results



RT: 12.12
Area: 7347
Amount: 0.201288
Amount Units: ug/l

Manual Integration Results



Reviewer: UKEK, 17-Oct-2024 08:52:58 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Baseline

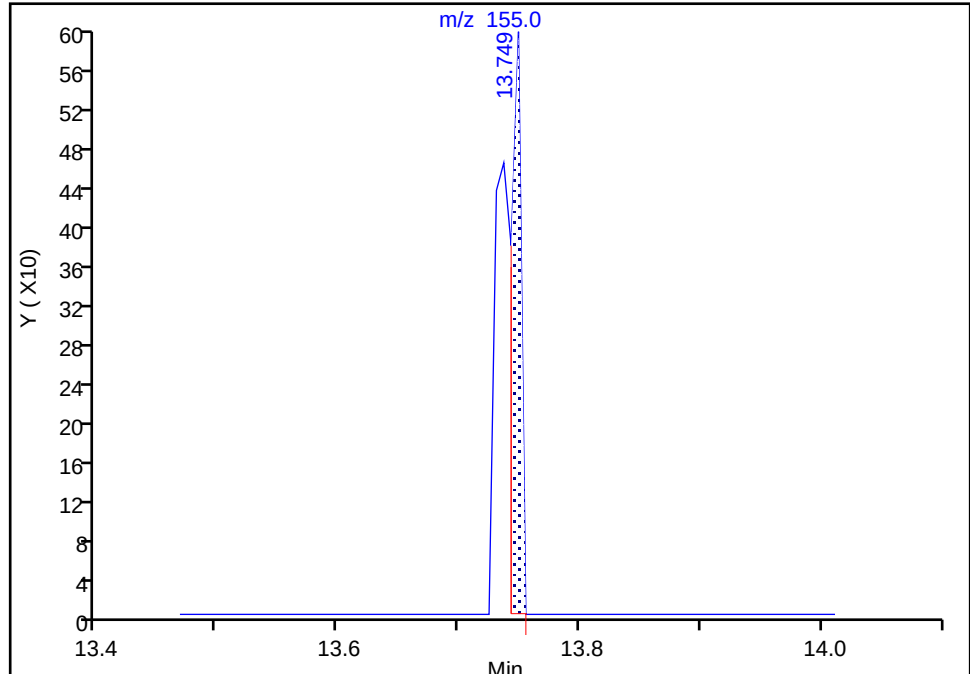
Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X12.D
Injection Date: 14-Oct-2024 21:54:30 Instrument ID: 19094
Lims ID: IC std1 0.2
Client ID:
Operator ID: gaw91131 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

149 1,2-Dibromo-3-Chloropropane, CAS: 96-12-8
Signal: 1

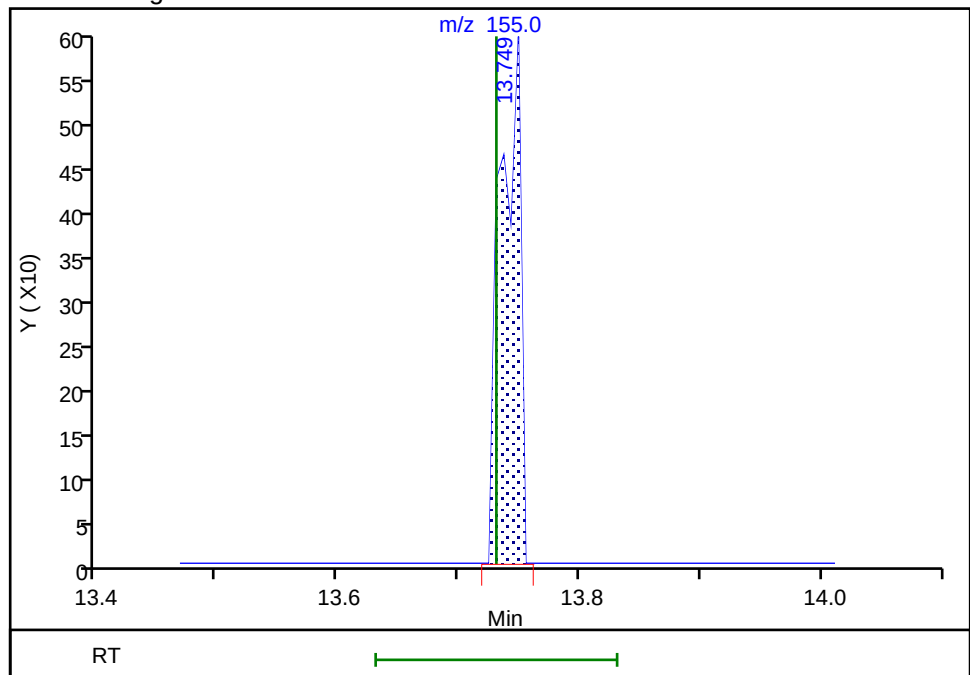
RT: 13.75
Area: 353
Amount: 0.071247
Amount Units: ug/l

Processing Integration Results



RT: 13.75
Area: 678
Amount: 0.140285
Amount Units: ug/l

Manual Integration Results



Reviewer: JS6E, 15-Oct-2024 01:18:50 -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\19094\20241014-127661.b\HC14X13.D
 Lims ID: IC std2 0.5
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 14-Oct-2024 22:15:30 ALS Bottle#: 13 Worklist Smp#: 14
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0127661-014
 Misc. Info.: IC std2 0.5
 Operator ID: gaw91131 Instrument ID: 19094
 Sublist: chrom-MSV_19094_25mL*sub1
 Method: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\MSV_19094_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 17-Oct-2024 09:44:11 Calib Date: 15-Oct-2024 00:00:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1693

First Level Reviewer: DVW2

Date: 15-Oct-2024 08:13:41

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.849	1.843	0.006	98	21567	0.5000	0.4756	
5 Chloromethane	50	2.032	2.026	0.006	99	32673	0.5000	0.4829	
7 Butadiene	39	2.136	2.129	0.007	92	33027	0.5000	0.5280	
6 Vinyl chloride	62	2.142	2.135	0.007	88	27866	0.5000	0.4786	
9 Bromomethane	94	2.447	2.440	0.006	90	19078	0.5000	0.4555	
10 Chloroethane	64	2.520	2.507	0.013	99	17188	0.5000	0.4588	
11 Dichlorofluoromethane	67	2.733	2.727	0.006	96	45538	0.5000	0.4747	
12 Trichlorofluoromethane	101	2.812	2.806	0.006	95	30404	0.5000	0.4748	
14 Ethyl ether	59	3.026	3.007	0.019	92	15357	0.4999	0.4886	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.105	3.093	0.012	96	25791	0.5000	0.4781	
16 Acrolein	56	3.190	3.160	0.030	99	112963	25.1	25.3	
17 1,1-Dichloroethene	96	3.306	3.294	0.012	98	20143	0.5000	0.5581	
19 Acetone	43	3.355	3.318	0.037	89	25333	5.00	4.88	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.337	3.330	0.007	92	18072	0.5000	0.5402	
21 Iodomethane	142	3.489	3.477	0.012	97	40505	0.5000	0.5487	
22 Ethyl bromide	108	3.513	3.501	0.012	97	17408	0.5009	0.4968	
23 Carbon disulfide	76	3.599	3.580	0.019	99	62731	0.5000	0.5476	
24 Methyl acetate	43	3.751	3.702	0.049	26	10571	0.5000	0.7433	M
26 3-Chloro-1-propene	41	3.745	3.733	0.012	93	43088	0.5000	0.5692	
27 Methylene Chloride	84	3.916	3.897	0.019	91	22861	0.5000	0.5288	a
* 28 t-Butyl alcohol-d10 (IS)	65	3.916	3.916	0.000	92	93201	50.0	50.0	
29 2-Methyl-2-propanol	59	4.019	4.013	0.006	94	17871	10.0	11.1	
31 Acrylonitrile	53	4.312	4.214	0.098	33	7556	1.25	1.11	M
32 Methyl tert-butyl ether	73	4.282	4.275	0.007	95	53096	0.5000	0.5285	
33 trans-1,2-Dichloroethene	96	4.300	4.294	0.006	97	22522	0.5000	0.5346	
34 Hexane	57	4.720	4.714	0.006	94	29782	0.5000	0.5321	
36 1,1-Dichloroethane	63	4.958	4.946	0.012	96	43786	0.5000	0.5291	
37 Isopropyl ether	45	5.013	5.001	0.012	97	77775	0.5000	0.5185	
38 2-Chloro-1,3-butadiene	53	5.074	5.062	0.012	91	37083	0.5000	0.5388	
40 Tert-butyl ethyl ether	59	5.562	5.549	0.013	98	70129	0.5000	0.5136	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
41 2-Butanone (MEK)	43	5.781	5.751	0.030	100	45641	5.00	5.07	
42 cis-1,2-Dichloroethene	96	5.800	5.793	0.007	84	26574	0.5000	0.5404	
43 2,2-Dichloropropane	77	5.818	5.805	0.013	69	37366	0.5000	0.5438	
44 Propionitrile	54	5.897	5.836	0.061	98	22741	10.0	9.31	M
47 Methacrylonitrile	67	6.086	6.055	0.031	92	45501	5.00	4.63	
48 Chlorobromomethane	128	6.141	6.129	0.012	94	10278	0.5000	0.5145	
49 Tetrahydrofuran	71	6.184	6.141	0.043	84	6416	2.50	2.54	
S 46 1,2-Dichloroethene, Total	100				0			1.08	
50 Chloroform	83	6.293	6.281	0.012	93	41903	0.5000	0.5385	
\$ 52 Dibromofluoromethane (Surr)	113	6.507	6.500	0.007	94	484670	10.0	10.0	
53 1,1,1-Trichloroethane	97	6.513	6.513	0.000	52	37140	0.5000	0.5609	
54 Cyclohexane	56	6.629	6.622	0.007	92	38827	0.5000	0.5381	
56 Carbon tetrachloride	117	6.732	6.732	0.000	85	29265	0.5000	0.5301	
55 1,1-Dichloropropene	75	6.738	6.732	0.006	94	33074	0.5000	0.5326	
57 Isobutyl alcohol	41	6.897	6.885	0.012	93	12992	25.0	22.0	
\$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.970	6.964	0.006	88	96249	10.0	9.78	
59 Benzene	78	7.001	6.994	0.006	97	102534	0.5000	0.5368	
60 1,2-Dichloroethane	62	7.068	7.067	0.001	96	23003	0.5000	0.5128	
63 Tert-amyl methyl ether	73	7.196	7.195	0.001	98	57966	0.5000	0.5117	
* 64 Fluorobenzene (IS)	96	7.409	7.409	0.000	98	2073531	10.0	10.0	
65 n-Heptane	43	7.433	7.427	0.006	37	27913	0.5000	0.5070	
67 n-Butanol	56	7.848	7.787	0.061	22	15258	43.8	37.2	Ma
68 Trichloroethene	95	7.909	7.897	0.012	98	25768	0.5000	0.5397	
69 Methylcyclohexane	83	8.220	8.214	0.006	92	35716	0.5000	0.5187	
70 1,2-Dichloropropane	63	8.238	8.232	0.006	95	25855	0.5000	0.5346	
71 2-ethoxy-2-methyl butane	87	8.256	8.250	0.006	90	36736	0.5000	0.5120	
73 1,4-Dioxane	88	8.366	8.329	0.037	30	1538	25.0	21.1	M
72 Methyl methacrylate	69	8.336	8.329	0.007	94	9265	0.5000	0.4996	
74 Dibromomethane	93	8.348	8.348	0.000	95	9738	0.5000	0.4811	
76 Dichlorobromomethane	83	8.592	8.585	0.007	98	26870	0.5000	0.4993	
77 2-Nitropropane	41	8.854	8.854	0.000	97	15615	2.50	2.58	
79 1-Bromo-2-chloroethane	63	8.994	8.988	0.006	98	20825	0.5000	0.4690	
80 cis-1,3-Dichloropropene	75	9.159	9.152	0.007	95	32649	0.5000	0.4799	
82 4-Methyl-2-pentanone (MIBK)	43	9.335	9.335	0.000	97	127024	5.00	5.12	
\$ 83 Toluene-d8 (Surr)	98	9.482	9.475	0.007	93	2030189	10.0	10.0	
84 Toluene	92	9.561	9.561	0.000	98	61898	0.5000	0.5320	
85 trans-1,3-Dichloropropene	75	9.848	9.835	0.013	95	25599	0.5000	0.4785	
104 Ethyl methacrylate	69	9.908	9.902	0.006	90	19501	0.5000	0.4543	
106 1,1,2-Trichloroethane	97	10.049	10.042	0.007	90	15107	0.5000	0.5127	
S 105 1,3-Dichloropropene, Total	100				0			0.9584	
107 Tetrachloroethene	166	10.134	10.134	0.000	97	27463	0.5000	0.5229	
108 1,3-Dichloropropane	76	10.213	10.213	0.000	92	26623	0.5000	0.5152	
109 2-Hexanone	43	10.274	10.268	0.006	97	76948	5.00	4.84	
111 Chlorodibromomethane	129	10.439	10.433	0.006	92	16559	0.5000	0.4727	
112 Ethylene Dibromide	107	10.549	10.548	0.001	97	13562	0.5000	0.5048	
* 113 Chlorobenzene-d5 (IS)	117	10.994	10.993	0.001	86	1477383	10.0	10.0	
114 1-Chlorohexane	91	11.012	11.006	0.006	97	37159	0.5000	0.5625	
115 Chlorobenzene	112	11.018	11.018	0.000	96	63954	0.5000	0.5100	
116 1,1,1,2-Tetrachloroethane	131	11.103	11.103	0.000	95	21463	0.5000	0.4933	
117 Ethylbenzene	91	11.116	11.109	0.007	98	117851	0.5000	0.5214	
119 m-Xylene & p-Xylene	106	11.231	11.225	0.006	100	92806	1.00	1.06	
S 118 Xylenes, Total	106				0			1.58	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
120 o-Xylene	106	11.567	11.560	0.007	96	44278	0.5000	0.5205	
121 Styrene	104	11.585	11.579	0.006	95	71046	0.5000	0.5145	
122 Bromoform	173	11.737	11.737	0.000	96	9354	0.5000	0.4807	
123 Isopropylbenzene	105	11.872	11.871	0.001	95	107073	0.5000	0.5335	
\$ 126 4-Bromofluorobenzene (Surr)	95	12.018	12.012	0.006	92	720078	10.0	9.92	
127 1,1,2,2-Tetrachloroethane	83	12.121	12.115	0.006	93	18922	0.5000	0.5161	
128 Bromobenzene	156	12.134	12.134	0.000	97	27858	0.5000	0.5251	
129 trans-1,4-Dichloro-2-butene	53	12.146	12.140	0.006	89	40242	5.00	4.82	
130 1,2,3-Trichloropropane	110	12.170	12.164	0.006	72	4649	0.5000	0.5220	
131 N-Propylbenzene	91	12.207	12.201	0.006	99	138204	0.5000	0.5168	
132 2-Chlorotoluene	126	12.280	12.280	0.000	96	27162	0.5000	0.5177	
133 1,3,5-Trimethylbenzene	105	12.347	12.341	0.006	94	97607	0.5000	0.5184	
134 4-Chlorotoluene	126	12.378	12.371	0.007	96	27381	0.5000	0.5093	
135 tert-Butylbenzene	134	12.585	12.585	0.000	94	22234	0.5000	0.5188	
136 Pentachloroethane	167	12.615	12.615	0.000	88	15869	0.5000	0.4665	
137 1,2,4-Trimethylbenzene	105	12.634	12.627	0.007	97	97928	0.5000	0.5101	
138 sec-Butylbenzene	105	12.749	12.749	0.000	94	123718	0.5000	0.5148	
139 1,3-Dichlorobenzene	146	12.853	12.847	0.006	98	53238	0.5000	0.5107	
140 4-Isopropyltoluene	119	12.865	12.859	0.006	97	108203	0.5000	0.5129	
* 141 1,4-Dichlorobenzene-d4	152	12.908	12.908	0.000	94	837428	10.0	10.0	
142 1,4-Dichlorobenzene	146	12.926	12.926	0.000	96	56410	0.5000	0.5302	
143 1,2,3-Trimethylbenzene	120	12.938	12.932	0.006	97	45696	0.5000	0.5273	
144 Benzyl chloride	126	13.005	12.999	0.006	98	7112	0.5000	0.4803	
145 p-Diethylbenzene	119	13.140	13.133	0.007	95	65501	0.5000	0.5158	
146 n-Butylbenzene	92	13.158	13.158	0.000	97	48279	0.5000	0.4958	
147 1,2-Dichlorobenzene	146	13.188	13.182	0.006	99	45745	0.5000	0.4916	
149 1,2-Dibromo-3-Chloropropane	155	13.737	13.731	0.006	79	2227	0.5000	0.4587	
150 1,3,5-Trichlorobenzene	180	13.865	13.859	0.006	97	39214	0.5000	0.5068	
151 1,2,4-Trichlorobenzene	180	14.286	14.286	0.000	94	32374	0.5000	0.4872	
152 Hexachlorobutadiene	225	14.365	14.371	-0.006	95	13833	0.5000	0.5154	
153 Naphthalene	128	14.469	14.462	0.007	96	56581	0.5000	0.4934	
154 1,2,3-Trichlorobenzene	180	14.609	14.603	0.006	96	28618	0.5000	0.4971	
157 Pentane	43		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_LL_#1_826_00150	Amount Added: 2.00	Units: uL	
MSV_LL_GAS826_00238	Amount Added: 2.00	Units: uL	
MSV_LL_#2_826_00157	Amount Added: 2.00	Units: uL	
MSV_LLcentISS_00014	Amount Added: 5.00	Units: uL	Run Reagent

Report Date: 17-Oct-2024 09:44:11

Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X13.D

Injection Date: 14-Oct-2024 22:15:30

Instrument ID: 19094

Operator ID: gaw91131

Lims ID: IC std2 0.5

Worklist Smp#: 14

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

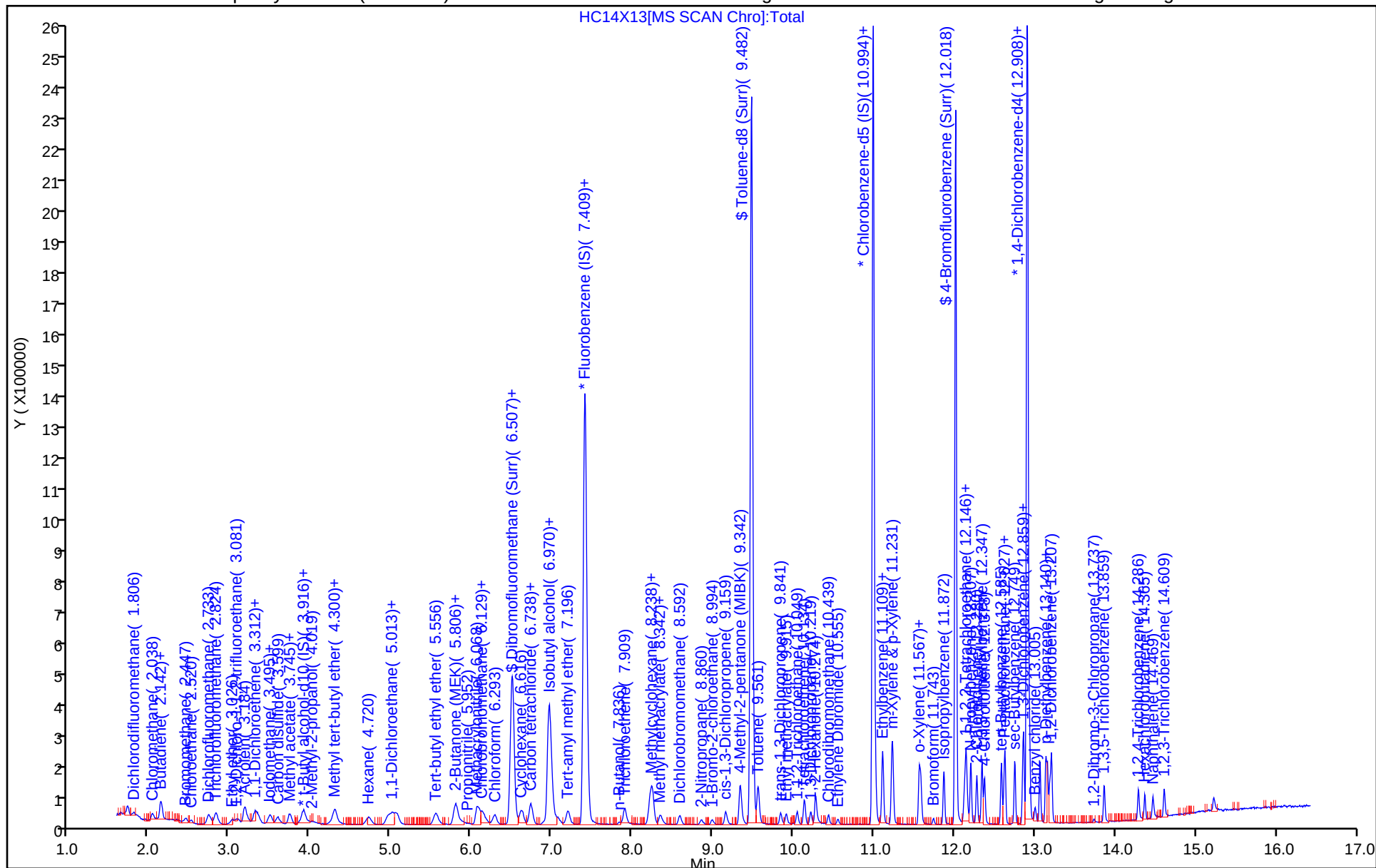
ALS Bottle#: 13

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

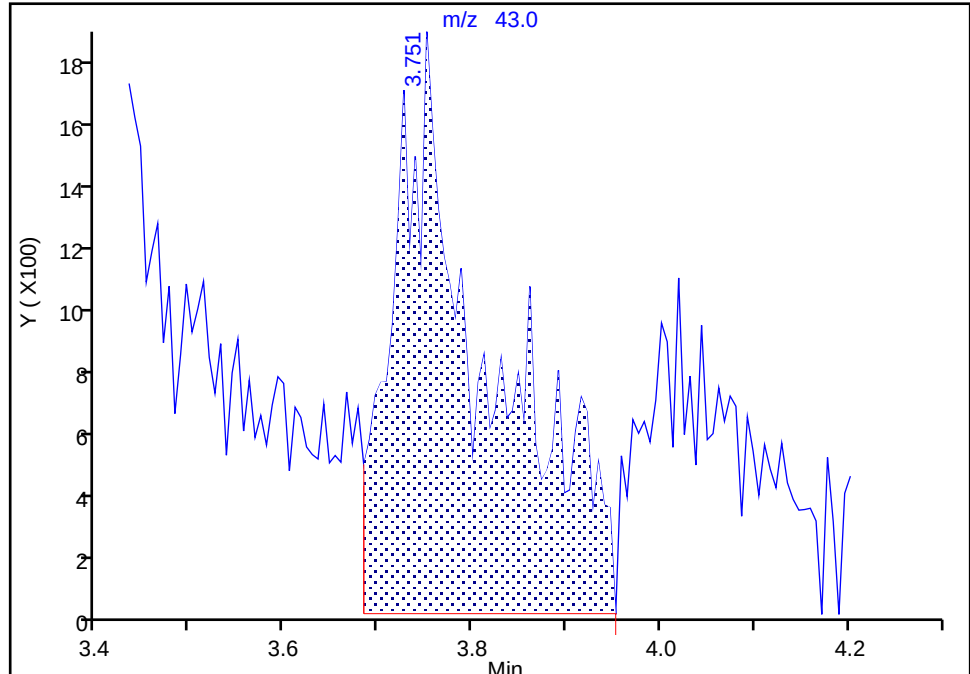
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Injection Date: 14-Oct-2024 22:15:30 Instrument ID: 19094
Lims ID: IC std2 0.5
Client ID:
Operator ID: gaw91131 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

24 Methyl acetate, CAS: 79-20-9

Signal: 1

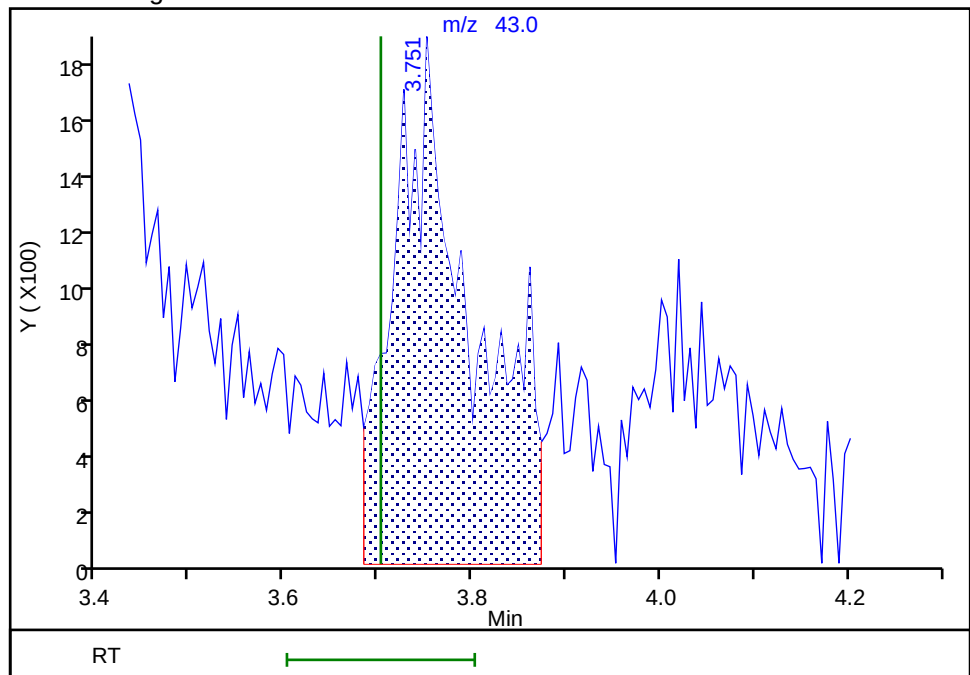
RT: 3.75
Area: 12726
Amount: 0.786963
Amount Units: ug/l

Processing Integration Results



RT: 3.75
Area: 10571
Amount: 0.743343
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 15-Oct-2024 08:13:16 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

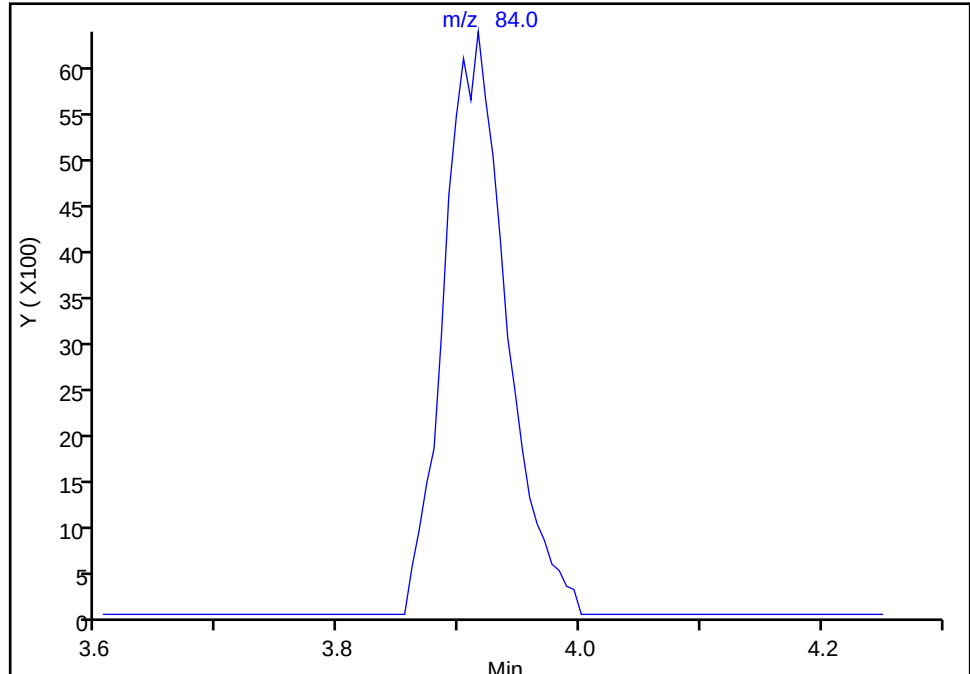
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Injection Date: 14-Oct-2024 22:15:30 Instrument ID: 19094
Lims ID: IC std2 0.5
Client ID:
Operator ID: gaw91131 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

27 Methylene Chloride, CAS: 75-09-2

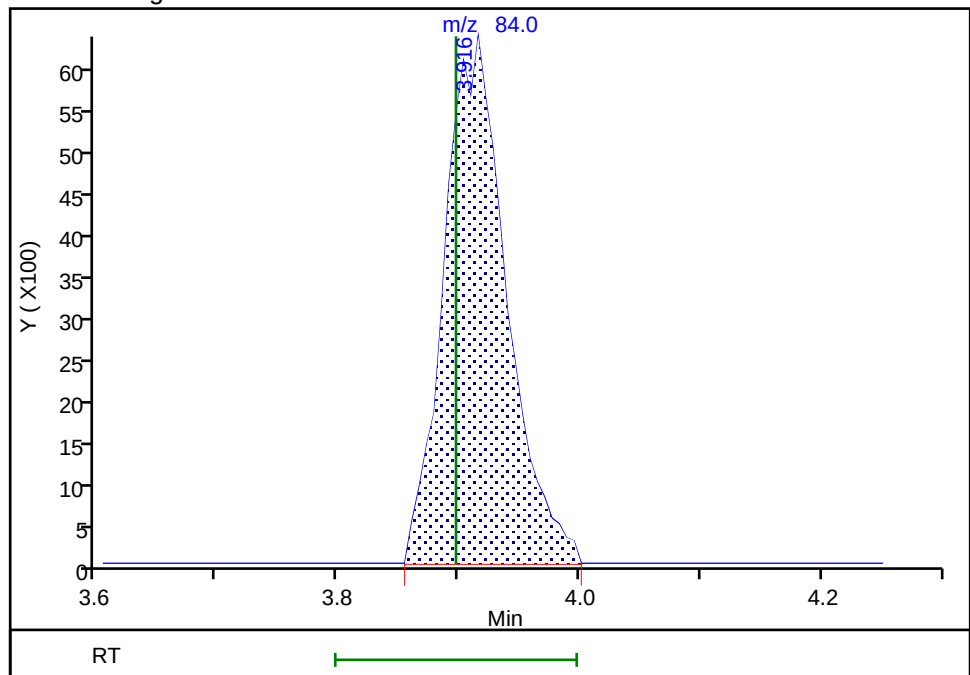
Signal: 1

Not Detected
Expected RT: 3.90

Processing Integration Results



Manual Integration Results



RT: 3.92
Area: 22861
Amount: 0.528803
Amount Units: ug/l

Reviewer: DVW2, 15-Oct-2024 08:13:00 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

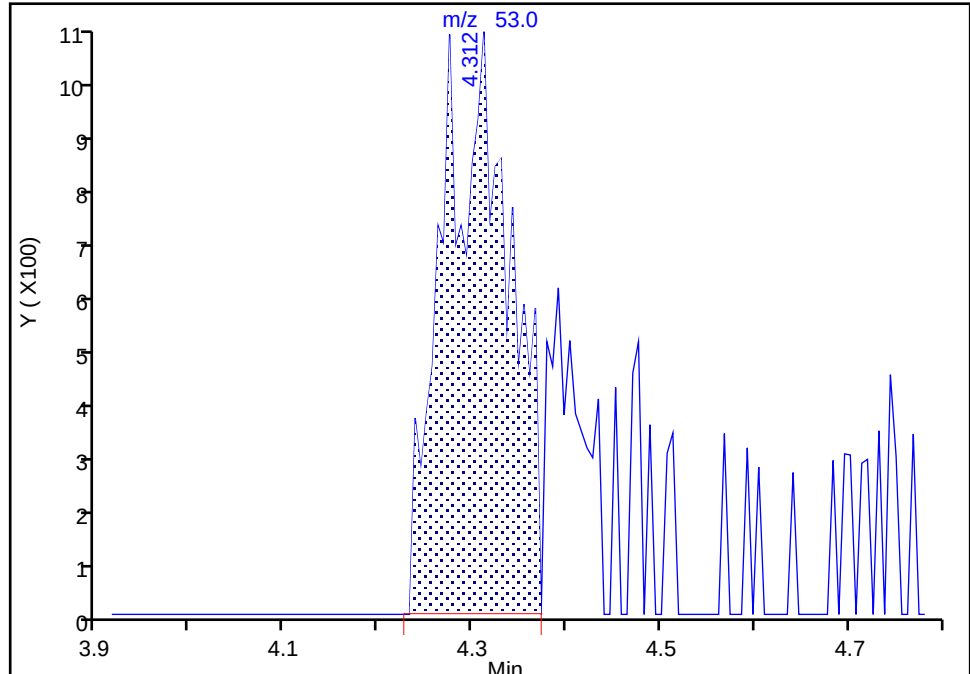
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Injection Date: 14-Oct-2024 22:15:30 Instrument ID: 19094
Lims ID: IC std2 0.5
Client ID:
Operator ID: gaw91131 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

31 Acrylonitrile, CAS: 107-13-1

Signal: 1

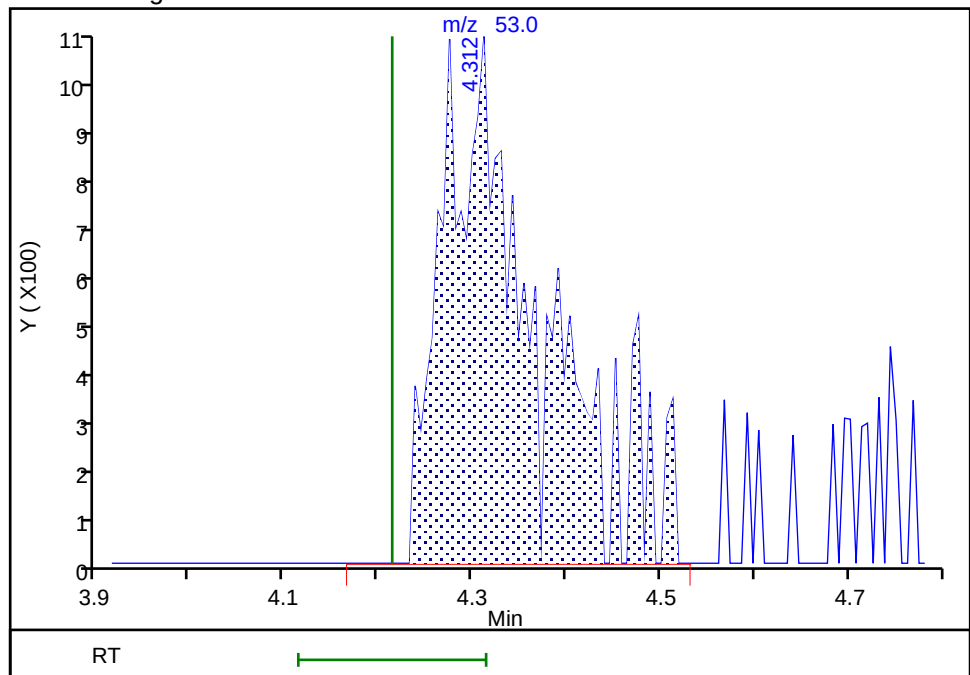
RT: 4.31
Area: 5216
Amount: 0.766881
Amount Units: ug/l

Processing Integration Results



RT: 4.31
Area: 7556
Amount: 1.110919
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 15-Oct-2024 08:13:29 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

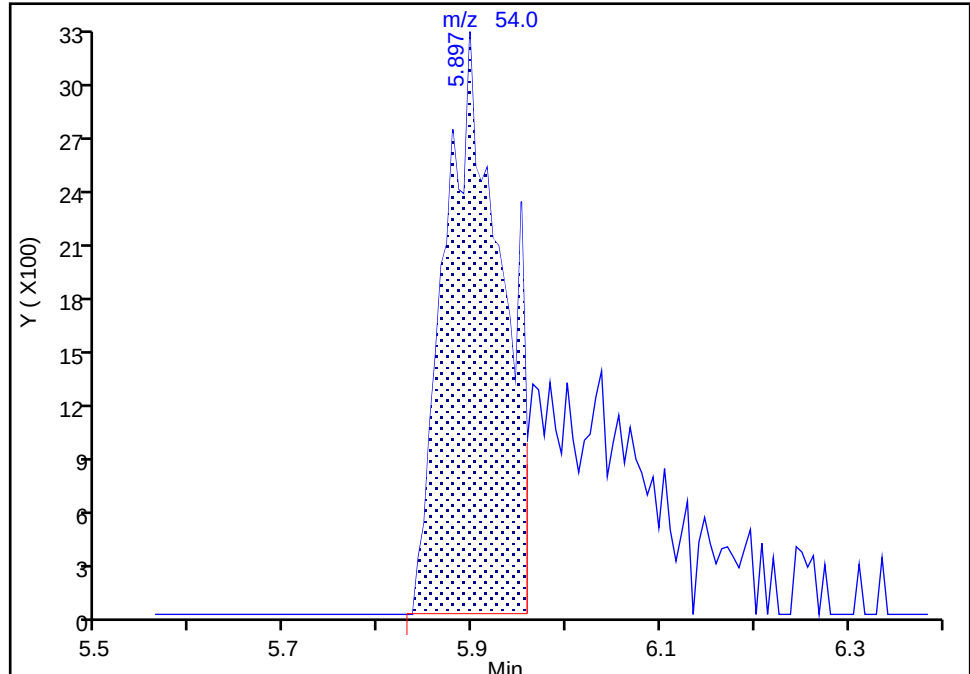
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Injection Date: 14-Oct-2024 22:15:30 Instrument ID: 19094
Lims ID: IC std2 0.5
Client ID:
Operator ID: gaw91131 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

44 Propionitrile, CAS: 107-12-0

Signal: 1

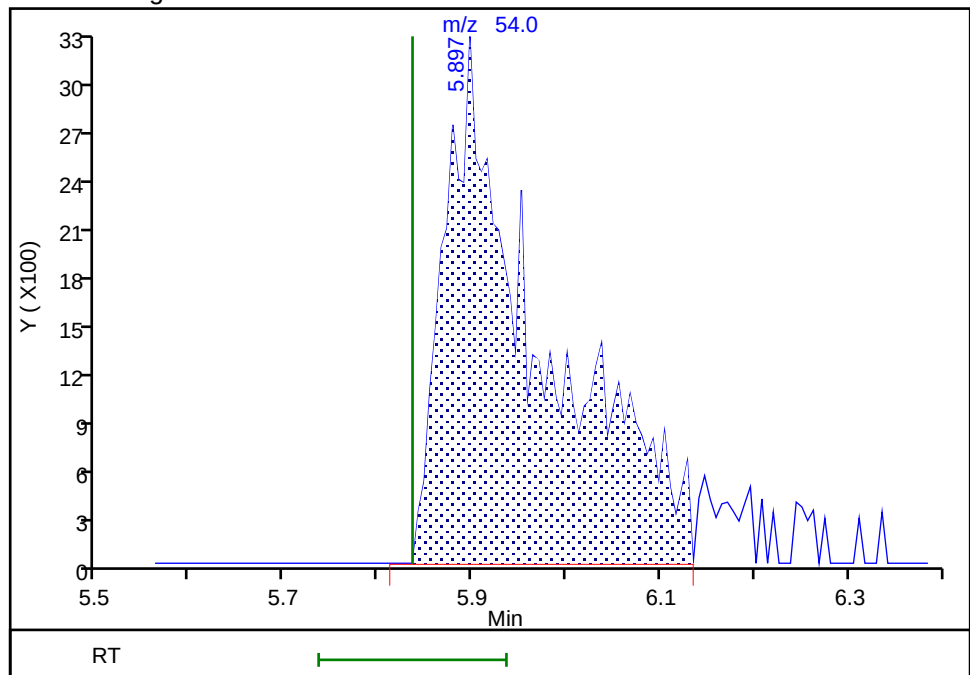
RT: 5.90
Area: 13592
Amount: 6.630356
Amount Units: ug/l

Processing Integration Results



RT: 5.90
Area: 22741
Amount: 9.306624
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 15-Oct-2024 08:13:37 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

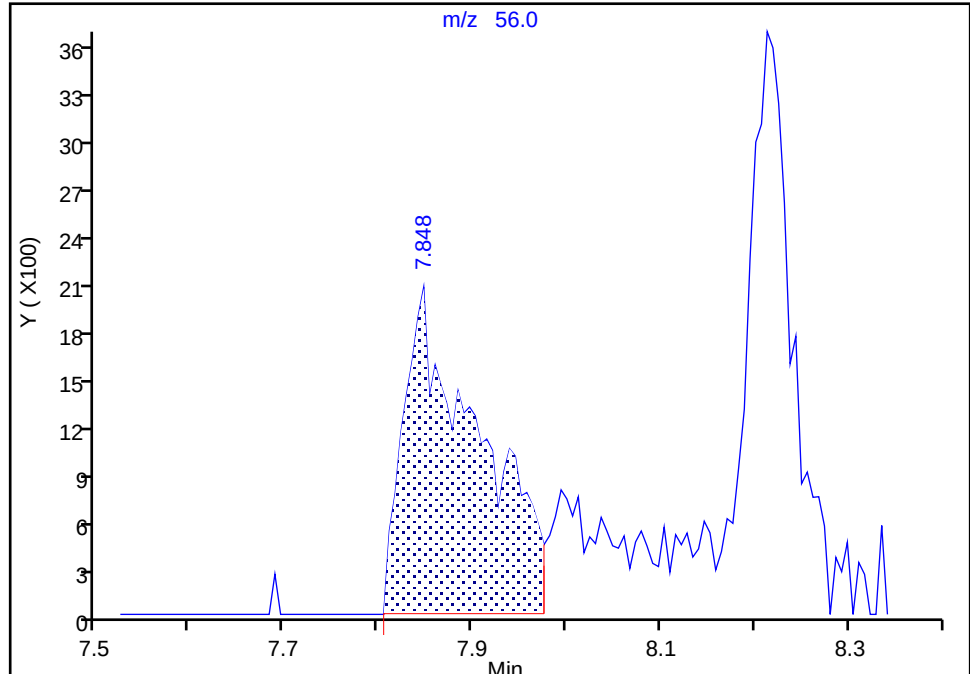
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Injection Date: 14-Oct-2024 22:15:30 Instrument ID: 19094
Lims ID: IC std2 0.5
Client ID:
Operator ID: gaw91131 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

67 n-Butanol, CAS: 71-36-3

Signal: 1

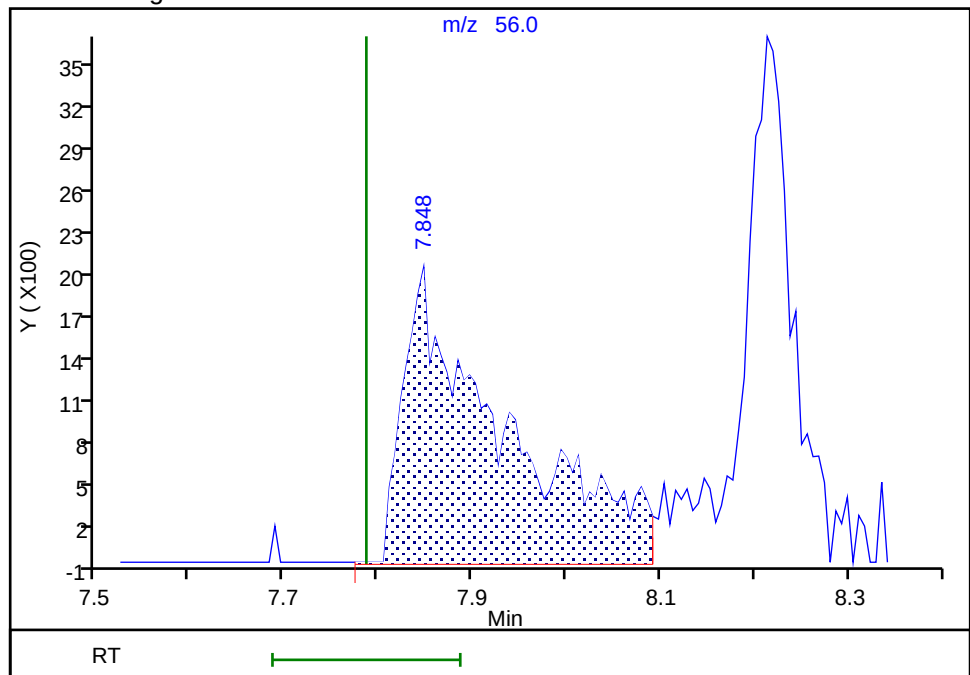
RT: 7.85
Area: 11527
Amount: 46.713353
Amount Units: ug/l

Processing Integration Results



RT: 7.85
Area: 15258
Amount: 37.224647
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 15-Oct-2024 08:16:17 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

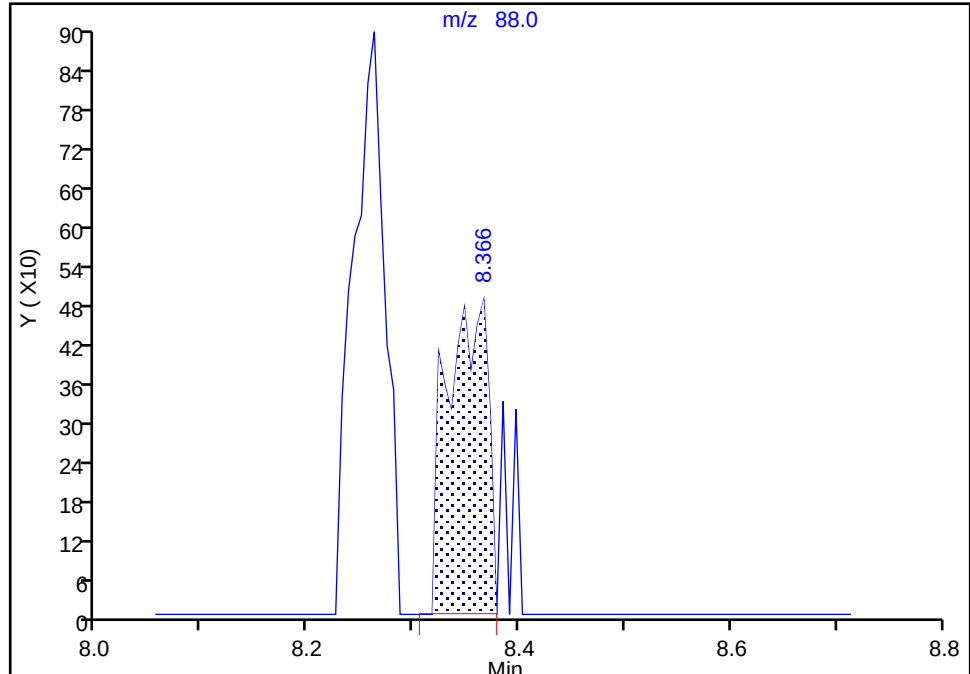
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Injection Date: 14-Oct-2024 22:15:30 Instrument ID: 19094
Lims ID: IC std2 0.5
Client ID:
Operator ID: gaw91131 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

73 1,4-Dioxane, CAS: 123-91-1

Signal: 1

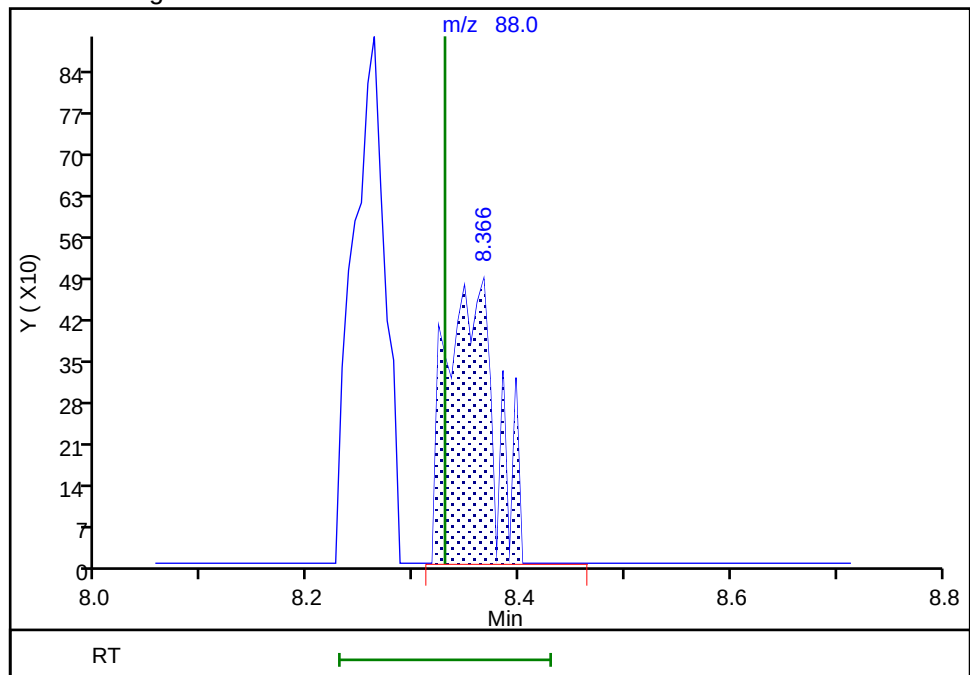
RT: 8.37
Area: 1303
Amount: 36.592664
Amount Units: ug/l

Processing Integration Results



RT: 8.37
Area: 1538
Amount: 21.068628
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 15-Oct-2024 08:16:23 -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\19094\20241014-127661.b\HC14X14.D
 Lims ID: IC std3 1
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 14-Oct-2024 22:36:30 ALS Bottle#: 14 Worklist Smp#: 15
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0127661-015
 Misc. Info.: IC std3 1
 Operator ID: gaw91131 Instrument ID: 19094
 Sublist: chrom-MSV_19094_25mL*sub1
 Method: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\MSV_19094_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 17-Oct-2024 09:44:16 Calib Date: 15-Oct-2024 00:00:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1693

First Level Reviewer: DVW2

Date: 15-Oct-2024 08:12:42

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.855	1.843	0.012	100	49965	1.00	1.11	
5 Chloromethane	50	2.038	2.026	0.012	99	68036	1.00	1.01	
7 Butadiene	39	2.142	2.129	0.013	93	64577	1.00	1.04	
6 Vinyl chloride	62	2.148	2.135	0.013	91	60425	1.00	1.04	M
9 Bromomethane	94	2.453	2.440	0.013	90	43609	1.00	1.05	
10 Chloroethane	64	2.520	2.507	0.013	99	38112	1.00	1.02	
11 Dichlorofluoromethane	67	2.739	2.727	0.012	97	97645	1.00	1.02	
12 Trichlorofluoromethane	101	2.812	2.806	0.006	78	67859	1.00	1.06	
14 Ethyl ether	59	3.026	3.007	0.019	91	28188	1.00	0.9009	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.093	3.093	0.000	94	56305	1.00	1.05	
16 Acrolein	56	3.184	3.160	0.024	99	199925	50.1	41.6	
17 1,1-Dichloroethene	96	3.312	3.294	0.018	98	32718	1.00	0.9107	
19 Acetone	43	3.343	3.318	0.025	98	59508	10.0	10.7	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.343	3.330	0.013	92	32133	1.00	0.9649	
21 Iodomethane	142	3.489	3.477	0.012	97	63529	1.00	0.8645	
22 Ethyl bromide	108	3.513	3.501	0.012	98	31751	1.00	0.9103	
23 Carbon disulfide	76	3.593	3.580	0.013	98	99227	1.00	0.8701	
24 Methyl acetate	43	3.751	3.702	0.049	25	10357	1.00	0.6770	
26 3-Chloro-1-propene	41	3.745	3.733	0.012	94	62901	1.00	0.8347	
27 Methylene Chloride	84	3.922	3.897	0.025	97	36646	1.00	0.8516	
* 28 t-Butyl alcohol-d10 (IS)	65	3.922	3.916	0.006	96	100267	50.0	50.0	
29 2-Methyl-2-propanol	59	4.031	4.013	0.018	95	25850	20.0	15.0	
31 Acrylonitrile	53	4.288	4.214	0.074	20	14124	2.50	1.93	M
32 Methyl tert-butyl ether	73	4.288	4.275	0.013	90	86964	1.00	0.8695	
33 trans-1,2-Dichloroethene	96	4.312	4.294	0.018	98	36943	1.00	0.8810	
34 Hexane	57	4.720	4.714	0.006	94	50580	1.00	0.9078	
36 1,1-Dichloroethane	63	4.964	4.946	0.018	95	72166	1.00	0.8760	
37 Isopropyl ether	45	5.019	5.001	0.018	96	126443	1.00	0.8469	
38 2-Chloro-1,3-butadiene	53	5.080	5.062	0.018	90	58676	1.00	0.8564	
40 Tert-butyl ethyl ether	59	5.562	5.549	0.013	98	117721	1.00	0.8661	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
41 2-Butanone (MEK)	43	5.781	5.751	0.030	98	76622	10.0	7.90	
42 cis-1,2-Dichloroethene	96	5.806	5.793	0.013	83	41408	1.00	0.8459	
43 2,2-Dichloropropane	77	5.812	5.805	0.007	66	59622	1.00	0.8716	
44 Propionitrile	54	5.873	5.836	0.037	98	41913	20.0	15.9	M
47 Methacrylonitrile	67	6.074	6.055	0.019	93	88231	10.0	8.35	
48 Chlorobromomethane	128	6.135	6.129	0.006	94	16806	1.00	0.8451	
49 Tetrahydrofuran	71	6.165	6.141	0.024	82	12390	5.00	4.55	
S 46 1,2-Dichloroethene, Total	100				0			1.73	
50 Chloroform	83	6.293	6.281	0.012	94	65085	1.00	0.8403	
\$ 52 Dibromofluoromethane (Surr)	113	6.513	6.500	0.013	94	477492	10.0	9.92	
53 1,1,1-Trichloroethane	97	6.519	6.513	0.006	93	56864	1.00	0.8627	
54 Cyclohexane	56	6.629	6.622	0.007	91	67470	1.00	0.9394	
56 Carbon tetrachloride	117	6.732	6.732	0.000	89	47554	1.00	0.8654	
55 1,1-Dichloropropene	75	6.744	6.732	0.012	93	53100	1.00	0.8590	
57 Isobutyl alcohol	41	6.897	6.885	0.012	88	27194	50.0	42.8	
\$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.970	6.964	0.006	78	98967	10.0	10.1	
59 Benzene	78	7.000	6.994	0.006	92	160700	1.00	0.8452	
60 1,2-Dichloroethane	62	7.067	7.067	0.000	87	37135	1.00	0.8316	
63 Tert-amyl methyl ether	73	7.195	7.195	0.000	98	95328	1.00	0.8453	
* 64 Fluorobenzene (IS)	96	7.415	7.409	0.006	98	2064073	10.0	10.0	
65 n-Heptane	43	7.433	7.427	0.006	90	48417	1.00	0.8834	
67 n-Butanol	56	7.836	7.787	0.049	88	30960	87.5	70.2	M
68 Trichloroethene	95	7.909	7.897	0.012	98	39022	1.00	0.8210	
69 Methylcyclohexane	83	8.220	8.214	0.006	93	63056	1.00	0.9200	
70 1,2-Dichloropropane	63	8.238	8.232	0.006	74	41176	1.00	0.8553	
71 2-ethoxy-2-methyl butane	87	8.256	8.250	0.006	93	60588	1.00	0.8484	
73 1,4-Dioxane	88	8.342	8.329	0.013	34	2961	50.0	37.7	
72 Methyl methacrylate	69	8.336	8.329	0.007	87	16898	1.00	0.8469	
74 Dibromomethane	93	8.348	8.348	0.000	96	16773	1.00	0.8324	
76 Dichlorobromomethane	83	8.585	8.585	0.000	99	44532	1.00	0.8313	
77 2-Nitropropane	41	8.854	8.854	0.000	99	25943	5.00	3.99	
79 1-Bromo-2-chloroethane	63	8.988	8.988	0.000	98	39687	1.00	0.8978	
80 cis-1,3-Dichloropropene	75	9.159	9.152	0.007	95	58115	1.00	0.8581	
82 4-Methyl-2-pentanone (MIBK)	43	9.341	9.335	0.006	97	220295	10.0	8.26	
\$ 83 Toluene-d8 (Surr)	98	9.482	9.475	0.007	93	2028126	10.0	9.97	
84 Toluene	92	9.561	9.561	0.000	98	98875	1.00	0.8458	
85 trans-1,3-Dichloropropene	75	9.841	9.835	0.006	92	46012	1.00	0.8561	
104 Ethyl methacrylate	69	9.914	9.902	0.012	90	36411	1.00	0.8443	
106 1,1,2-Trichloroethane	97	10.049	10.042	0.007	91	25051	1.00	0.8463	
S 105 1,3-Dichloropropene, Total	100				0			1.71	
107 Tetrachloroethene	166	10.140	10.134	0.006	98	44901	1.00	0.8510	
108 1,3-Dichloropropane	76	10.213	10.213	0.000	90	44491	1.00	0.8570	
109 2-Hexanone	43	10.274	10.268	0.006	98	141896	10.0	8.30	
111 Chlorodibromomethane	129	10.439	10.433	0.006	89	28920	1.00	0.8218	
112 Ethylene Dibromide	107	10.549	10.548	0.000	98	23310	1.00	0.8636	
* 113 Chlorobenzene-d5 (IS)	117	10.994	10.993	0.001	86	1484269	10.0	10.0	
114 1-Chlorohexane	91	11.006	11.006	0.000	97	56103	1.00	0.8453	
115 Chlorobenzene	112	11.018	11.018	0.000	94	106552	1.00	0.8457	
116 1,1,1,2-Tetrachloroethane	131	11.103	11.103	0.000	96	37034	1.00	0.8473	
117 Ethylbenzene	91	11.109	11.109	0.000	99	192893	1.00	0.8495	
119 m-Xylene & p-Xylene	106	11.231	11.225	0.006	100	146018	2.00	1.66	
S 118 Xylenes, Total	106				0			2.51	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
120 o-Xylene	106	11.567	11.560	0.007	96	72571	1.00	0.8491	
121 Styrene	104	11.585	11.579	0.006	95	115032	1.00	0.8292	
122 Bromoform	173	11.743	11.737	0.006	96	15852	1.00	0.8108	
123 Isopropylbenzene	105	11.871	11.871	0.000	96	169283	1.00	0.8396	
\$ 126 4-Bromofluorobenzene (Surr)	95	12.018	12.012	0.006	91	732696	10.0	10.0	
127 1,1,2,2-Tetrachloroethane	83	12.121	12.115	0.006	92	30748	1.00	0.8418	M
128 Bromobenzene	156	12.134	12.134	0.000	94	44648	1.00	0.8447	
129 trans-1,4-Dichloro-2-butene	53	12.146	12.140	0.006	93	72799	10.0	8.11	
130 1,2,3-Trichloropropane	110	12.164	12.164	0.000	79	8101	1.00	0.9130	
131 N-Propylbenzene	91	12.207	12.201	0.006	99	221937	1.00	0.8330	
132 2-Chlorotoluene	126	12.280	12.280	0.000	96	44403	1.00	0.8496	
133 1,3,5-Trimethylbenzene	105	12.347	12.341	0.006	94	156038	1.00	0.8319	
134 4-Chlorotoluene	126	12.377	12.371	0.006	96	45991	1.00	0.8586	
135 tert-Butylbenzene	134	12.585	12.585	0.000	93	37755	1.00	0.8842	
136 Pentachloroethane	167	12.615	12.615	0.000	88	29742	1.00	0.8777	
137 1,2,4-Trimethylbenzene	105	12.627	12.627	0.000	97	160992	1.00	0.8418	
138 sec-Butylbenzene	105	12.749	12.749	0.000	94	196906	1.00	0.8225	
139 1,3-Dichlorobenzene	146	12.853	12.847	0.006	99	84910	1.00	0.8176	
140 4-Isopropyltoluene	119	12.859	12.859	0.000	97	176069	1.00	0.8377	
* 141 1,4-Dichlorobenzene-d4	152	12.908	12.908	0.000	95	834277	10.0	10.0	
142 1,4-Dichlorobenzene	146	12.926	12.926	0.000	94	87373	1.00	0.8243	
143 1,2,3-Trimethylbenzene	120	12.932	12.932	0.000	97	72420	1.00	0.8388	
144 Benzyl chloride	126	12.999	12.999	0.000	99	13175	1.00	0.8932	
145 p-Diethylbenzene	119	13.139	13.133	0.006	95	103071	1.00	0.8148	
146 n-Butylbenzene	92	13.158	13.158	0.000	98	79560	1.00	0.8200	
147 1,2-Dichlorobenzene	146	13.188	13.182	0.006	98	79295	1.00	0.8553	
149 1,2-Dibromo-3-Chloropropane	155	13.737	13.731	0.006	87	3973	1.00	0.8215	
150 1,3,5-Trichlorobenzene	180	13.859	13.859	0.000	98	61015	1.00	0.7916	
151 1,2,4-Trichlorobenzene	180	14.286	14.286	0.000	95	51769	1.00	0.7821	
152 Hexachlorobutadiene	225	14.371	14.371	0.000	94	21202	1.00	0.7930	
153 Naphthalene	128	14.468	14.462	0.006	97	97565	1.00	0.8540	
154 1,2,3-Trichlorobenzene	180	14.609	14.603	0.006	95	46562	1.00	0.8119	
157 Pentane	43		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_#1_826_00150

Amount Added: 2.00

Units: uL

MSV_LL_GAS826_00238

Amount Added: 2.00

Units: uL

MSV_LL_#2_826_00157

Amount Added: 2.00

Units: uL

MSV_LLcentISS_00014

Amount Added: 5.00

Units: uL

Run Reagent

Chrom Revision: 2.3 24-Sep-2024 15:19:46

Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X14.D

Operator ID: gaw91131

Worklist Smp#: 15

Purge Vol: 25.000 mL

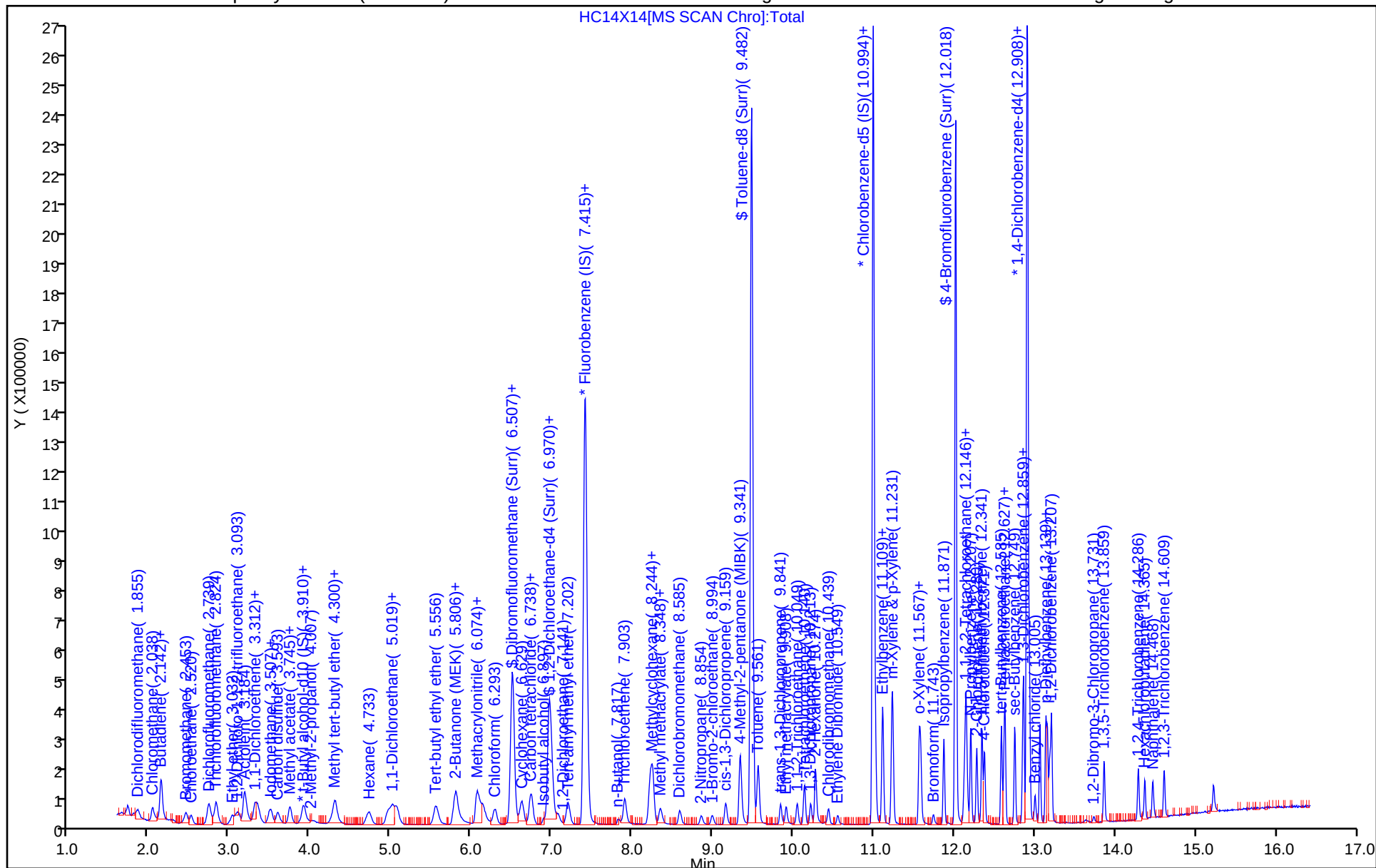
Dil. Factor: 1.0000

ALS Bottle#: 14

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



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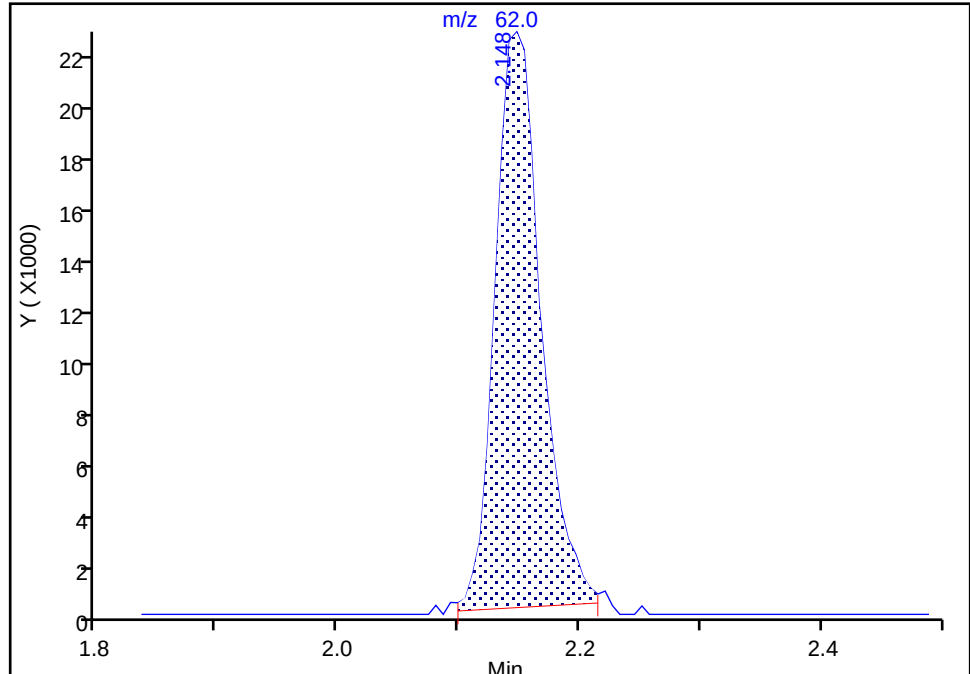
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Injection Date: 14-Oct-2024 22:36:30 Instrument ID: 19094
Lims ID: IC std3 1
Client ID:
Operator ID: gaw91131 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

6 Vinyl chloride, CAS: 75-01-4

Signal: 1

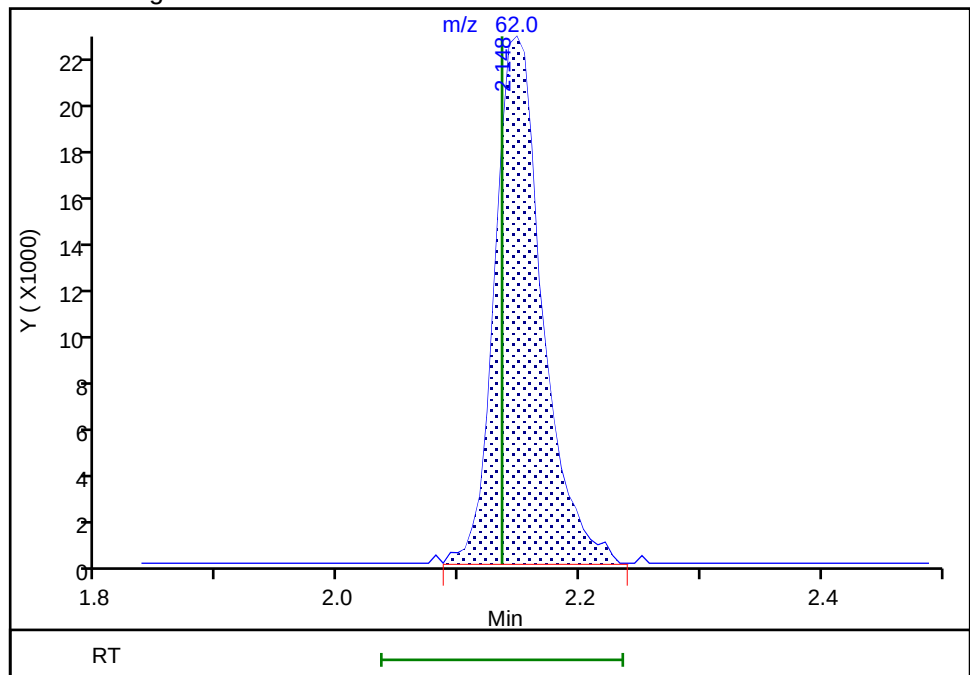
RT: 2.15
Area: 57722
Amount: 1.002645
Amount Units: ug/l

Processing Integration Results



RT: 2.15
Area: 60425
Amount: 1.042603
Amount Units: ug/l

Manual Integration Results



Reviewer: UKEK, 17-Oct-2024 08:47:03 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins Lancaster Laboratories Environment Testing, LLC

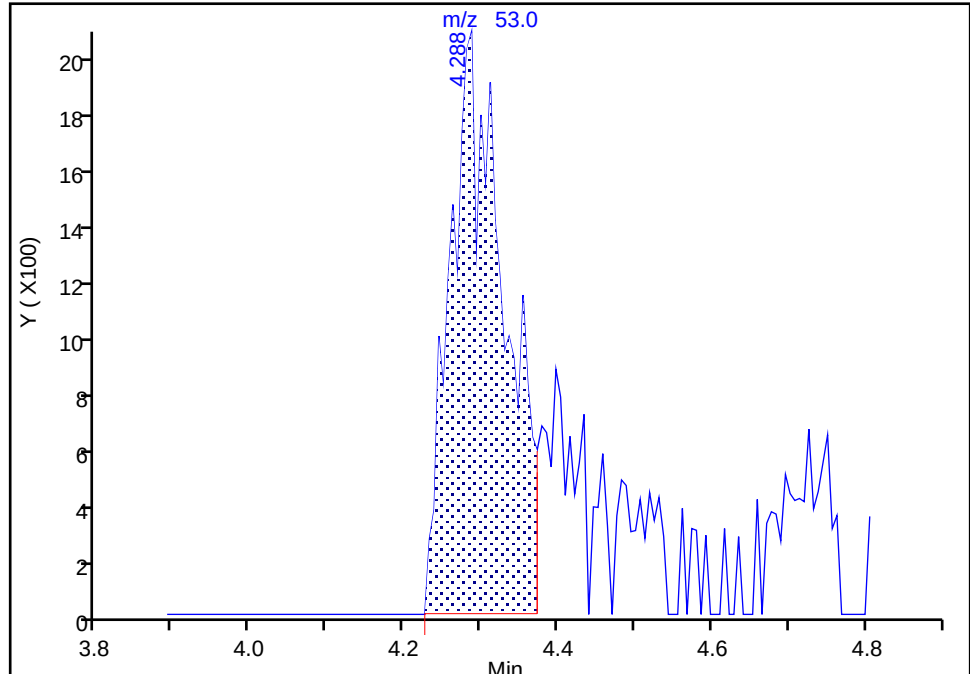
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Injection Date: 14-Oct-2024 22:36:30 Instrument ID: 19094
Lims ID: IC std3 1
Client ID:
Operator ID: gaw91131 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

31 Acrylonitrile, CAS: 107-13-1

Signal: 1

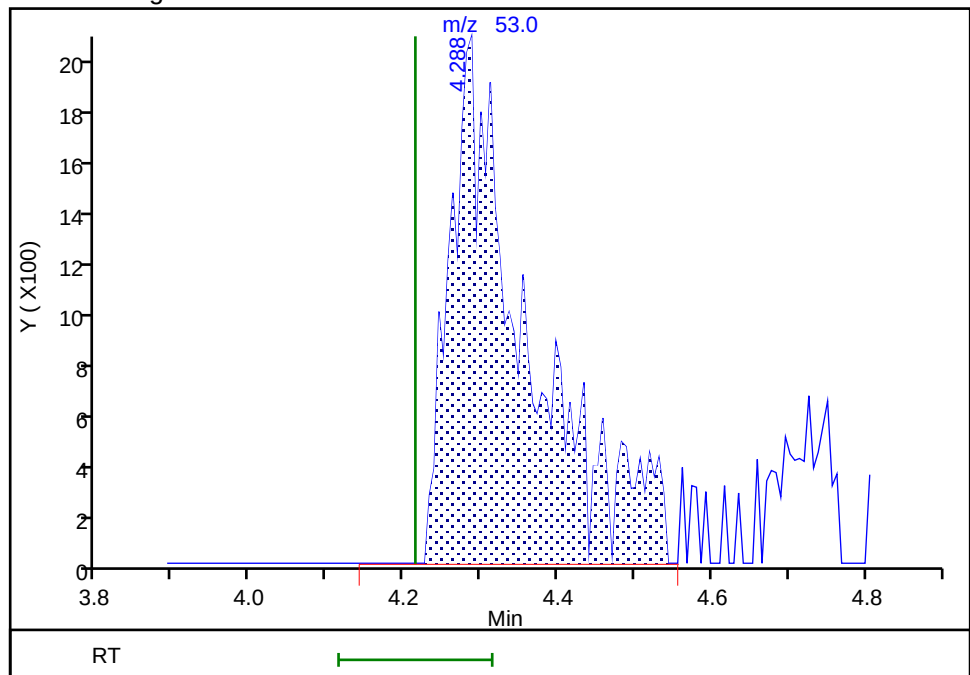
RT: 4.29
Area: 9892
Amount: 1.417461
Amount Units: ug/l

Processing Integration Results



RT: 4.29
Area: 14124
Amount: 1.930238
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 15-Oct-2024 08:11:53 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

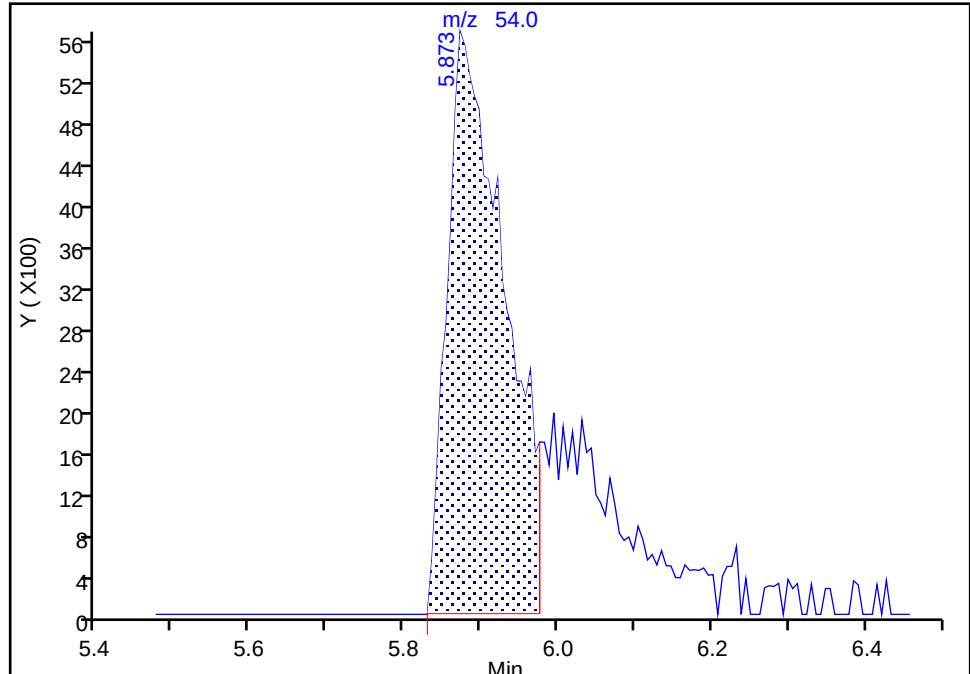
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Injection Date: 14-Oct-2024 22:36:30 Instrument ID: 19094
Lims ID: IC std3 1
Client ID:
Operator ID: gaw91131 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

44 Propionitrile, CAS: 107-12-0

Signal: 1

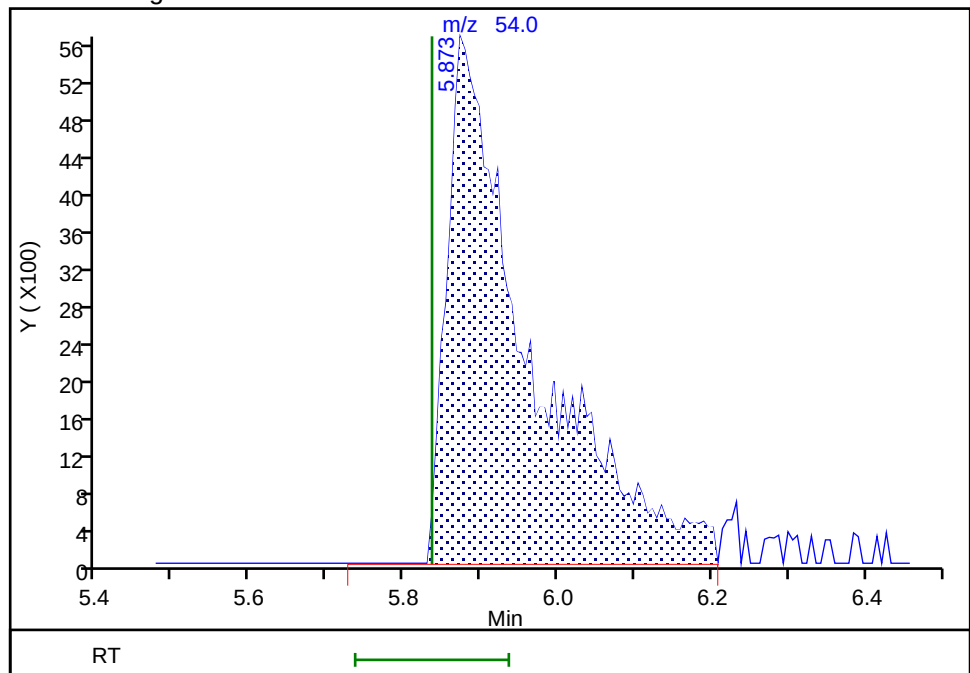
RT: 5.87
Area: 29213
Amount: 12.452303
Amount Units: ug/l

Processing Integration Results



RT: 5.87
Area: 41913
Amount: 15.943876
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 15-Oct-2024 08:13:59 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

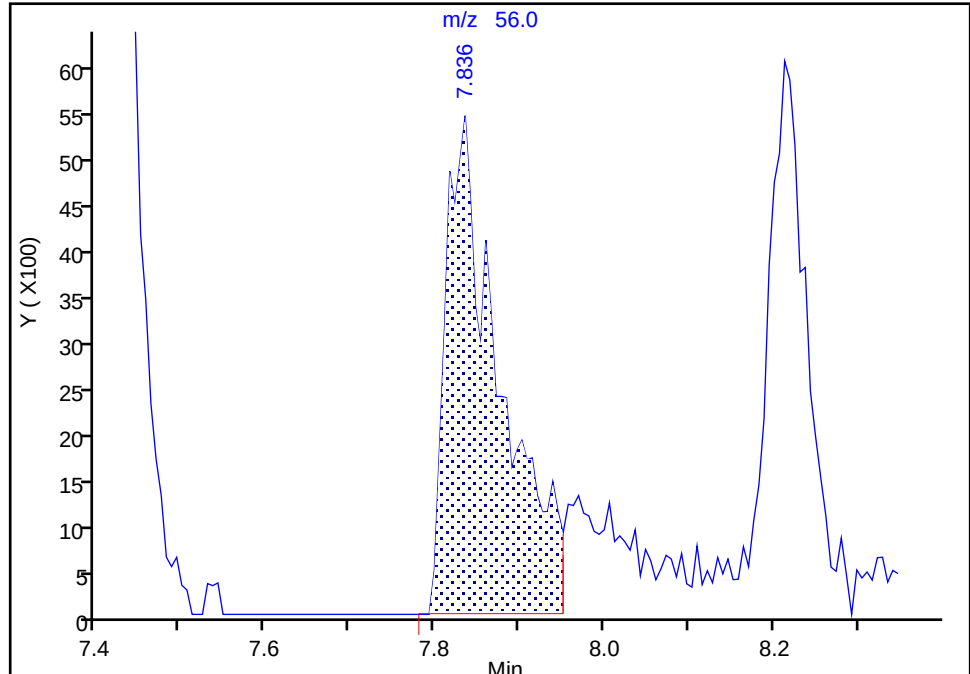
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Injection Date: 14-Oct-2024 22:36:30 Instrument ID: 19094
Lims ID: IC std3 1
Client ID:
Operator ID: gaw91131 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

67 n-Butanol, CAS: 71-36-3

Signal: 1

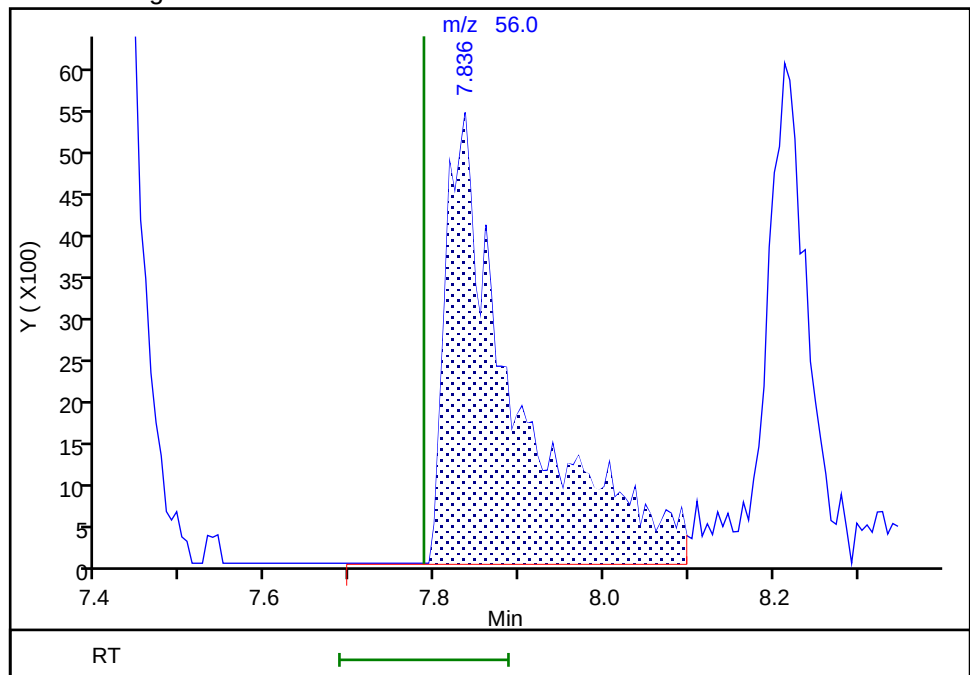
RT: 7.84
Area: 24027
Amount: 72.274608
Amount Units: ug/l

Processing Integration Results



RT: 7.84
Area: 30960
Amount: 70.209598
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 15-Oct-2024 08:12:17 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

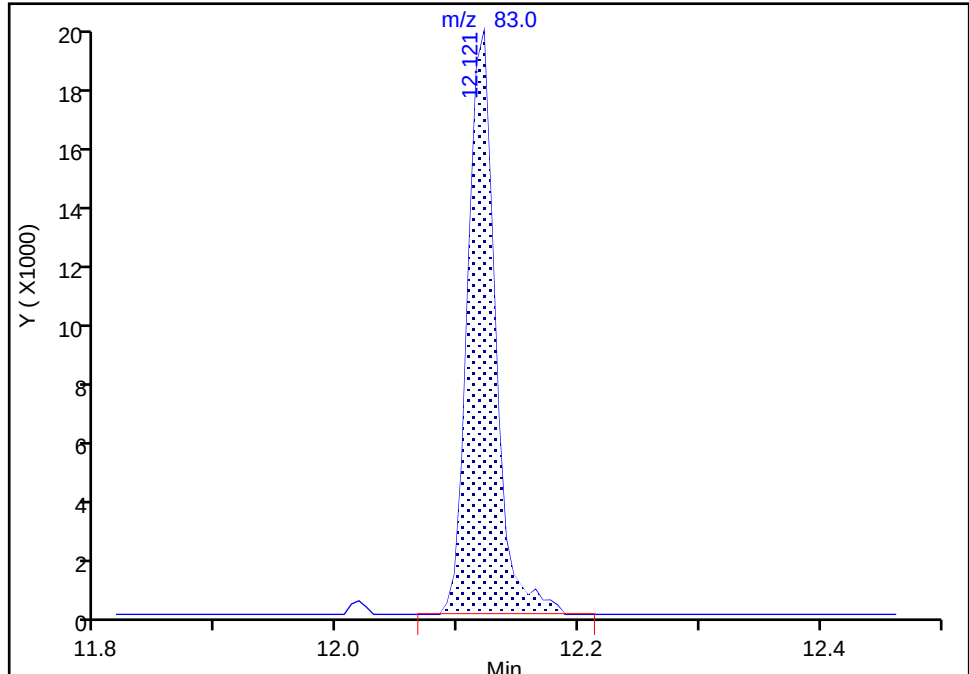
Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X14.D
Injection Date: 14-Oct-2024 22:36:30 Instrument ID: 19094
Lims ID: IC std3 1
Client ID:
Operator ID: gaw91131 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

127 1,1,2,2-Tetrachloroethane, CAS: 79-34-5
Signal: 1

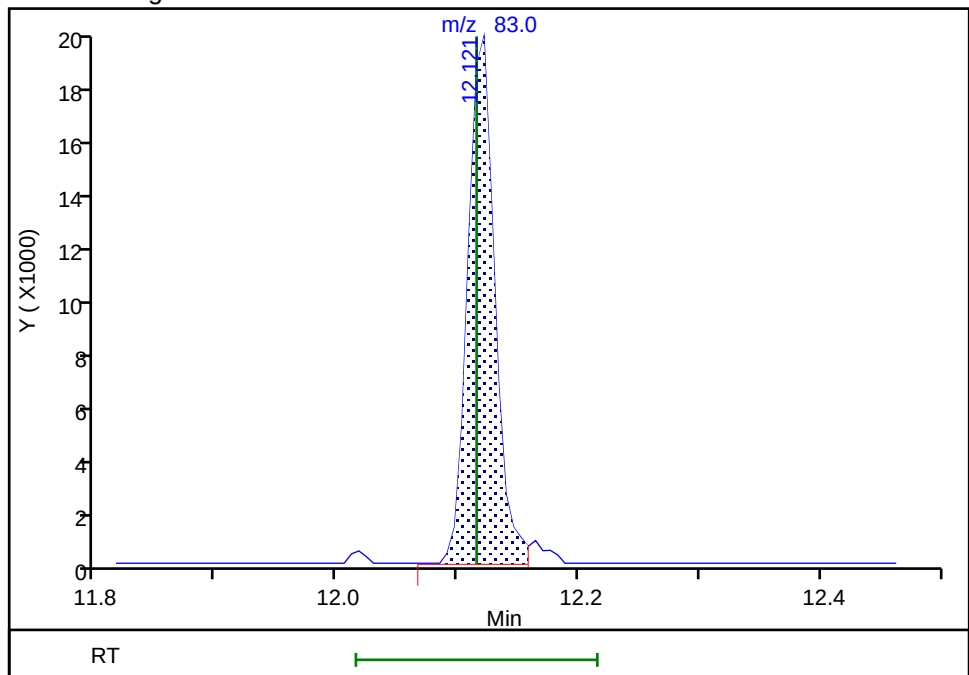
RT: 12.12
Area: 31526
Amount: 0.851809
Amount Units: ug/l

Processing Integration Results



RT: 12.12
Area: 30748
Amount: 0.841829
Amount Units: ug/l

Manual Integration Results



Reviewer: UKEK, 17-Oct-2024 08:53:41 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Baseline

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X15.D
 Lims ID: IC std4 2
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 14-Oct-2024 22:57:30 ALS Bottle#: 15 Worklist Smp#: 16
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0127661-016
 Misc. Info.: IC std4 2
 Operator ID: gaw91131 Instrument ID: 19094
 Sublist: chrom-MSV_19094_25mL*sub1
 Method: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\MSV_19094_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 17-Oct-2024 09:44:30 Calib Date: 15-Oct-2024 00:00:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1693

First Level Reviewer: DVW2

Date: 15-Oct-2024 08:10:58

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.849	1.843	0.006	99	69584	2.00	1.53	
5 Chloromethane	50	2.032	2.026	0.006	99	113888	2.00	1.68	
7 Butadiene	39	2.136	2.129	0.007	93	110884	2.00	1.77	
6 Vinyl chloride	62	2.142	2.135	0.007	93	97546	2.00	1.68	
9 Bromomethane	94	2.446	2.440	0.006	91	72310	2.00	1.73	
10 Chloroethane	64	2.514	2.507	0.007	100	64406	2.00	1.72	
11 Dichlorofluoromethane	67	2.727	2.727	0.000	97	165735	2.00	1.73	
12 Trichlorofluoromethane	101	2.806	2.806	0.000	96	102491	2.00	1.60	
14 Ethyl ether	59	3.020	3.007	0.013	92	56659	2.00	1.80	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.087	3.093	-0.006	94	90196	2.00	1.67	
16 Acrolein	56	3.178	3.160	0.018	100	455588	100.2	102.2	
17 1,1-Dichloroethene	96	3.300	3.294	0.006	98	58628	2.00	1.63	
19 Acetone	43	3.349	3.318	0.031	99	105944	20.0	20.5	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.337	3.330	0.007	92	51463	2.00	1.54	
21 Iodomethane	142	3.489	3.477	0.012	99	129617	2.00	1.76	
22 Ethyl bromide	108	3.507	3.501	0.006	97	61829	2.00	1.77	
23 Carbon disulfide	76	3.586	3.580	0.006	99	187580	2.00	1.64	
24 Methyl acetate	43	3.739	3.702	0.037	26	29231	2.00	2.06	Ma
26 3-Chloro-1-propene	41	3.739	3.733	0.006	92	131066	2.00	1.73	
27 Methylene Chloride	84	3.904	3.897	0.007	93	79469	2.00	1.84	
* 28 t-Butyl alcohol-d10 (IS)	65	3.910	3.916	-0.006	98	93056	50.0	50.0	
29 2-Methyl-2-propanol	59	4.032	4.013	0.019	98	64100	40.0	40.0	
31 Acrylonitrile	53	4.251	4.214	0.037	98	30247	5.00	4.45	
32 Methyl tert-butyl ether	73	4.275	4.275	0.000	95	194704	2.00	1.94	
33 trans-1,2-Dichloroethene	96	4.300	4.294	0.006	97	70878	2.00	1.68	
34 Hexane	57	4.733	4.714	0.019	93	85832	2.00	1.53	
36 1,1-Dichloroethane	63	4.952	4.946	0.006	96	144195	2.00	1.74	
37 Isopropyl ether	45	5.013	5.001	0.012	95	279353	2.00	1.86	
38 2-Chloro-1,3-butadiene	53	5.068	5.062	0.006	90	113501	2.00	1.65	
40 Tert-butyl ethyl ether	59	5.556	5.549	0.007	99	257852	2.00	1.89	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
41 2-Butanone (MEK)	43	5.763	5.751	0.012	100	176058	20.0	19.6	
42 cis-1,2-Dichloroethene	96	5.806	5.793	0.013	83	83537	2.00	1.70	
43 2,2-Dichloropropane	77	5.806	5.805	0.001	65	112956	2.00	1.64	
44 Propionitrile	54	5.867	5.836	0.031	98	103182	40.0	42.3	
47 Methacrylonitrile	67	6.068	6.055	0.013	93	202725	20.0	20.7	
48 Chlorobromomethane	128	6.135	6.129	0.006	97	37992	2.00	1.90	
49 Tetrahydrofuran	71	6.159	6.141	0.018	74	25726	10.0	10.2	
S 46 1,2-Dichloroethene, Total	100				0			3.38	
50 Chloroform	83	6.293	6.281	0.012	93	137486	2.00	1.77	
\$ 52 Dibromofluoromethane (Surr)	113	6.501	6.500	0.001	94	483416	10.0	10.0	
53 1,1,1-Trichloroethane	97	6.519	6.513	0.006	98	109281	2.00	1.65	
54 Cyclohexane	56	6.622	6.622	0.000	92	111679	2.00	1.55	
56 Carbon tetrachloride	117	6.738	6.732	0.006	86	90258	2.00	1.64	
55 1,1-Dichloropropene	75	6.744	6.732	0.012	94	99608	2.00	1.60	
57 Isobutyl alcohol	41	6.897	6.885	0.012	93	55477	100.0	94.0	
\$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.964	6.964	0.000	81	97968	10.0	9.96	
59 Benzene	78	6.994	6.994	0.000	96	329347	2.00	1.72	
60 1,2-Dichloroethane	62	7.074	7.067	0.007	97	84920	2.00	1.89	
63 Tert-amyl methyl ether	73	7.196	7.195	0.001	98	217027	2.00	1.92	
* 64 Fluorobenzene (IS)	96	7.409	7.409	0.000	98	2072912	10.0	10.0	
65 n-Heptane	43	7.433	7.427	0.006	93	87937	2.00	1.60	
67 n-Butanol	56	7.811	7.787	0.024	88	70523	175.0	172.3	
68 Trichloroethene	95	7.903	7.897	0.006	98	79177	2.00	1.66	
69 Methylcyclohexane	83	8.220	8.214	0.006	92	111102	2.00	1.61	
70 1,2-Dichloropropane	63	8.238	8.232	0.006	95	88407	2.00	1.83	
71 2-ethoxy-2-methyl butane	87	8.250	8.250	0.000	91	133295	2.00	1.86	
73 1,4-Dioxane	88	8.336	8.329	0.007	31	7863	100.0	107.9	M
72 Methyl methacrylate	69	8.336	8.329	0.007	91	36532	2.00	1.97	
74 Dibromomethane	93	8.348	8.348	0.000	94	40703	2.00	2.01	
76 Dichlorobromomethane	83	8.586	8.585	0.001	99	100465	2.00	1.87	
77 2-Nitropropane	41	8.848	8.854	-0.006	97	56505	10.0	9.37	a
79 1-Bromo-2-chloroethane	63	8.982	8.988	-0.006	98	81742	2.00	1.84	
80 cis-1,3-Dichloropropene	75	9.159	9.152	0.007	96	128875	2.00	1.89	
82 4-Methyl-2-pentanone (MIBK)	43	9.335	9.335	0.000	97	499117	20.0	20.2	
\$ 83 Toluene-d8 (Surr)	98	9.476	9.475	0.001	93	2035148	10.0	9.98	
84 Toluene	92	9.561	9.561	0.000	98	202159	2.00	1.72	
85 trans-1,3-Dichloropropene	75	9.835	9.835	0.000	94	102022	2.00	1.89	
104 Ethyl methacrylate	69	9.908	9.902	0.006	90	83844	2.00	1.94	
106 1,1,2-Trichloroethane	97	10.049	10.042	0.007	91	54766	2.00	1.85	
S 105 1,3-Dichloropropene, Total	100				0			3.79	
107 Tetrachloroethene	166	10.134	10.134	0.000	98	89198	2.00	1.69	
108 1,3-Dichloropropane	76	10.213	10.213	0.000	92	100846	2.00	1.94	
109 2-Hexanone	43	10.274	10.268	0.006	98	327837	20.0	20.7	
111 Chlorodibromomethane	129	10.439	10.433	0.006	90	68734	2.00	1.95	
112 Ethylene Dibromide	107	10.549	10.548	0.001	99	52098	2.00	1.92	
* 113 Chlorobenzene-d5 (IS)	117	10.994	10.993	0.001	86	1488359	10.0	10.0	
114 1-Chlorohexane	91	11.006	11.006	0.000	99	105163	2.00	1.58	
115 Chlorobenzene	112	11.018	11.018	0.000	95	229543	2.00	1.82	
116 1,1,1,2-Tetrachloroethane	131	11.103	11.103	0.000	96	81809	2.00	1.87	
117 Ethylbenzene	91	11.109	11.109	0.000	99	395651	2.00	1.74	
119 m-Xylene & p-Xylene	106	11.225	11.225	0.000	100	306638	4.00	3.48	
S 118 Xylenes, Total	106				0			5.29	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
120 o-Xylene	106	11.561	11.560	0.001	97	154997	2.00	1.81	
121 Styrene	104	11.579	11.579	0.000	94	252345	2.00	1.81	
122 Bromoform	173	11.737	11.737	0.000	97	38731	2.00	1.98	
123 Isopropylbenzene	105	11.871	11.871	0.000	96	350338	2.00	1.73	
\$ 126 4-Bromofluorobenzene (Surr)	95	12.018	12.012	0.006	92	733016	10.0	10.0	
127 1,1,2,2-Tetrachloroethane	83	12.121	12.115	0.006	92	71353	2.00	1.97	M
128 Bromobenzene	156	12.134	12.134	0.000	94	97881	2.00	1.87	
129 trans-1,4-Dichloro-2-butene	53	12.146	12.140	0.006	93	168113	20.0	20.2	
130 1,2,3-Trichloropropane	110	12.164	12.164	0.000	80	18135	2.00	2.06	
131 N-Propylbenzene	91	12.201	12.201	0.000	99	461806	2.00	1.75	
132 2-Chlorotoluene	126	12.280	12.280	0.000	96	93262	2.00	1.80	
133 1,3,5-Trimethylbenzene	105	12.341	12.341	0.000	95	335326	2.00	1.81	
134 4-Chlorotoluene	126	12.371	12.371	0.000	98	96006	2.00	1.81	
135 tert-Butylbenzene	134	12.585	12.585	0.000	94	72235	2.00	1.71	
136 Pentachloroethane	167	12.615	12.615	0.000	86	61281	2.00	1.83	
137 1,2,4-Trimethylbenzene	105	12.627	12.627	0.000	97	342141	2.00	1.81	
138 sec-Butylbenzene	105	12.749	12.749	0.000	94	414824	2.00	1.75	
139 1,3-Dichlorobenzene	146	12.853	12.847	0.006	98	192928	2.00	1.88	
140 4-Isopropyltoluene	119	12.859	12.859	0.000	98	370759	2.00	1.78	
* 141 1,4-Dichlorobenzene-d4	152	12.908	12.908	0.000	94	826048	10.0	10.0	
142 1,4-Dichlorobenzene	146	12.926	12.926	0.000	95	192425	2.00	1.83	
143 1,2,3-Trimethylbenzene	120	12.932	12.932	0.000	98	160016	2.00	1.87	
144 Benzyl chloride	126	12.999	12.999	0.000	98	30653	2.00	2.10	
145 p-Diethylbenzene	119	13.133	13.133	0.000	95	226844	2.00	1.81	
146 n-Butylbenzene	92	13.158	13.158	0.000	97	174260	2.00	1.81	
147 1,2-Dichlorobenzene	146	13.182	13.182	0.000	98	174522	2.00	1.90	
149 1,2-Dibromo-3-Chloropropane	155	13.737	13.731	0.006	89	10109	2.00	2.11	
150 1,3,5-Trichlorobenzene	180	13.859	13.859	0.000	97	145393	2.00	1.91	
151 1,2,4-Trichlorobenzene	180	14.286	14.286	0.000	94	125252	2.00	1.91	
152 Hexachlorobutadiene	225	14.365	14.371	-0.006	94	47749	2.00	1.80	
153 Naphthalene	128	14.462	14.462	0.000	97	228147	2.00	2.02	
154 1,2,3-Trichlorobenzene	180	14.609	14.603	0.006	96	110665	2.00	1.95	
157 Pentane	43		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_LL_#1_826_00150

Amount Added: 2.00

Units: uL

MSV_LL_GAS826_00238

Amount Added: 2.00

Units: uL

MSV_LL_#2_826_00157

Amount Added: 2.00

Units: uL

MSV_LLcentISS_00014

Amount Added: 5.00

Units: uL

Run Reagent

Report Date: 17-Oct-2024 09:44:31

Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X15.D

Injection Date: 14-Oct-2024 22:57:30

Instrument ID: 19094

Operator ID: gaw91131

Lims ID: IC std4 2

Worklist Smp#: 16

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

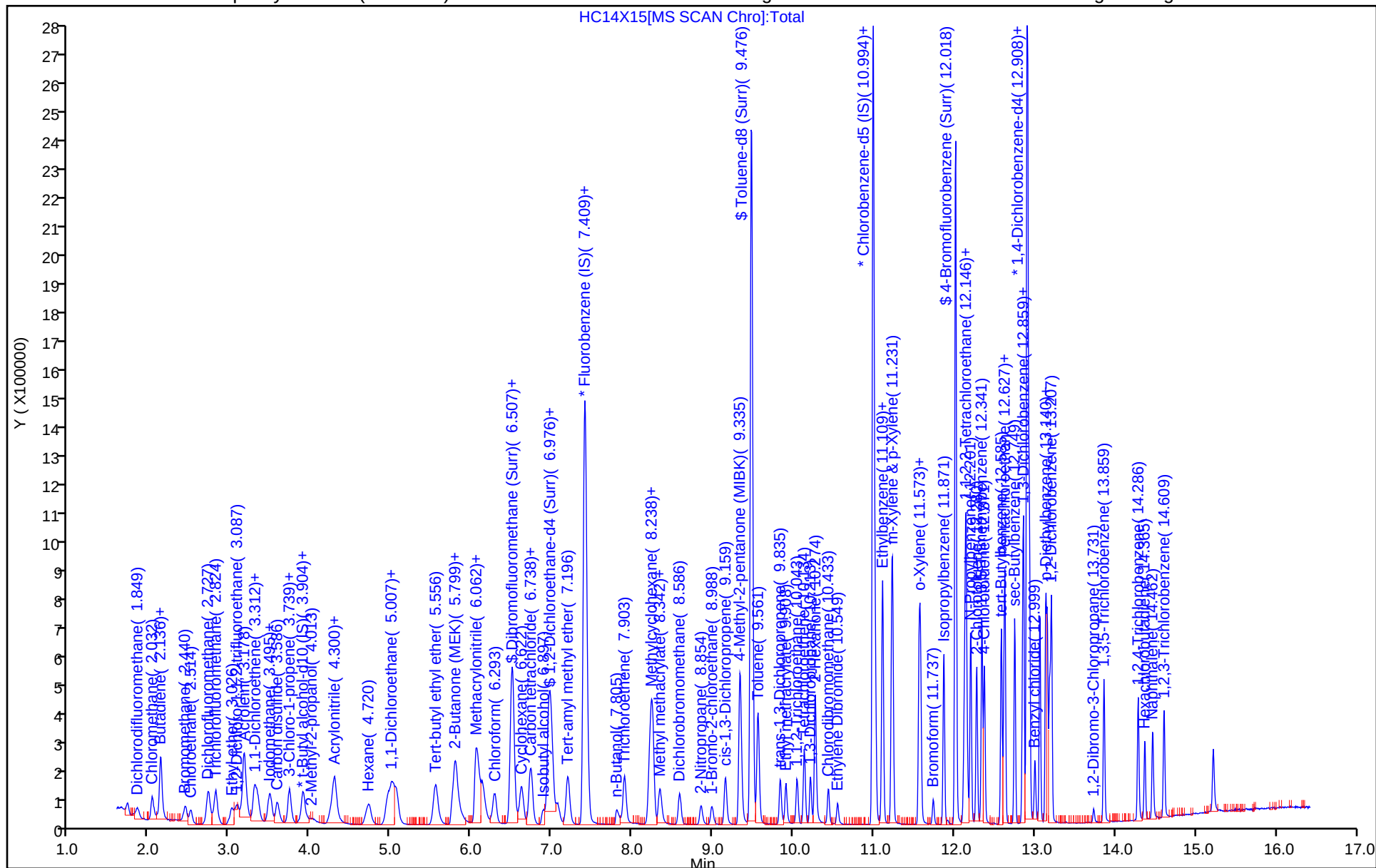
ALS Bottle#: 15

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

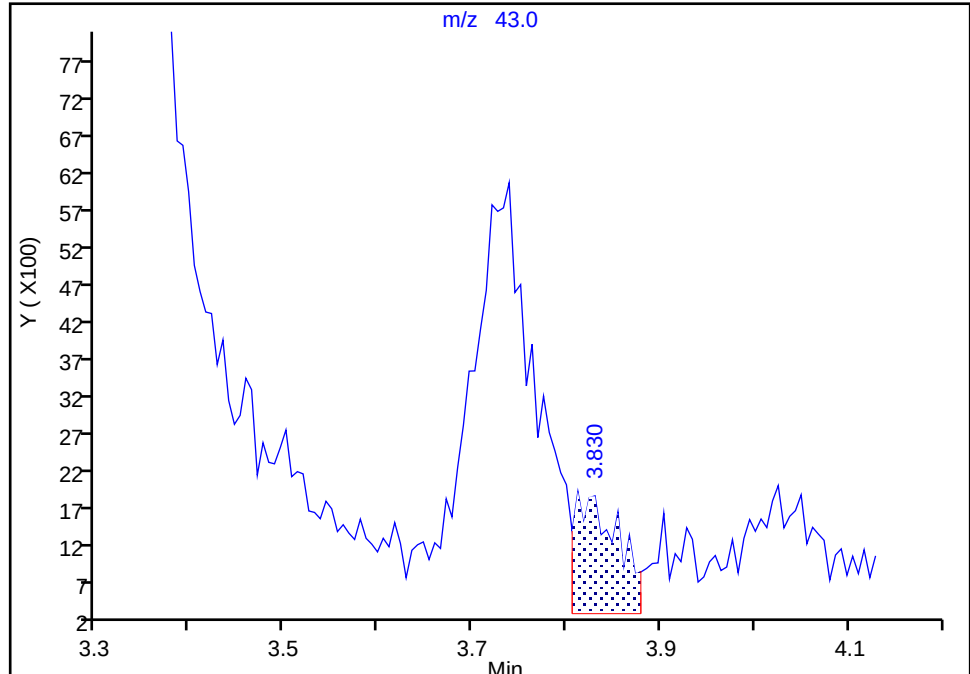
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Injection Date: 14-Oct-2024 22:57:30 Instrument ID: 19094
Lims ID: IC std4 2
Client ID:
Operator ID: gaw91131 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

24 Methyl acetate, CAS: 79-20-9

Signal: 1

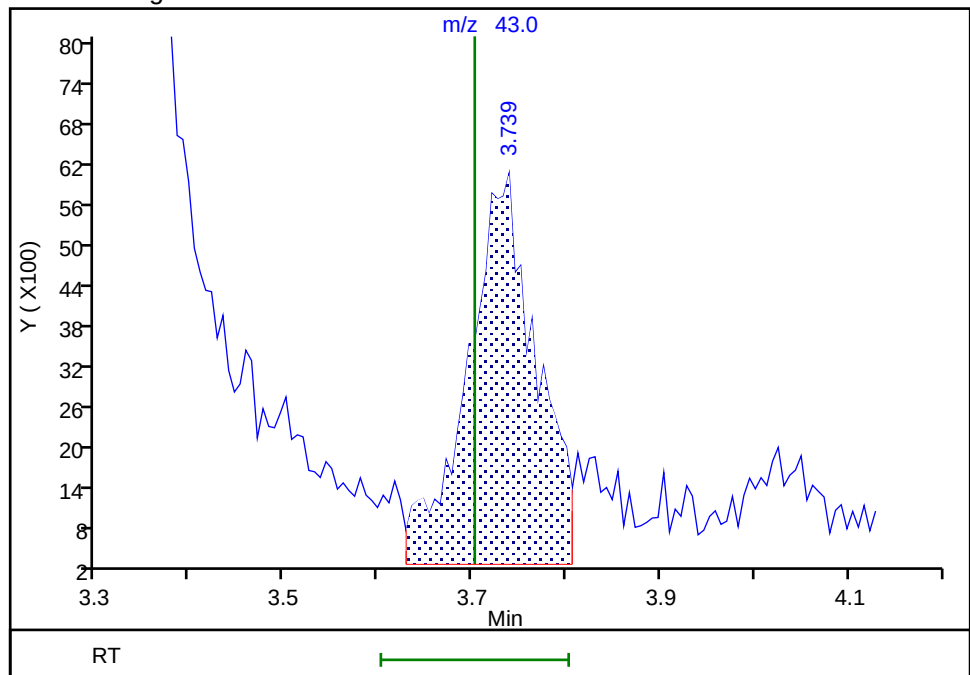
RT: 3.83
Area: 5269
Amount: 0.364878
Amount Units: ug/l

Processing Integration Results



RT: 3.74
Area: 29231
Amount: 2.058700
Amount Units: ug/l

Manual Integration Results



Reviewer: UKEK, 17-Oct-2024 09:01:56 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins Lancaster Laboratories Environment Testing, LLC

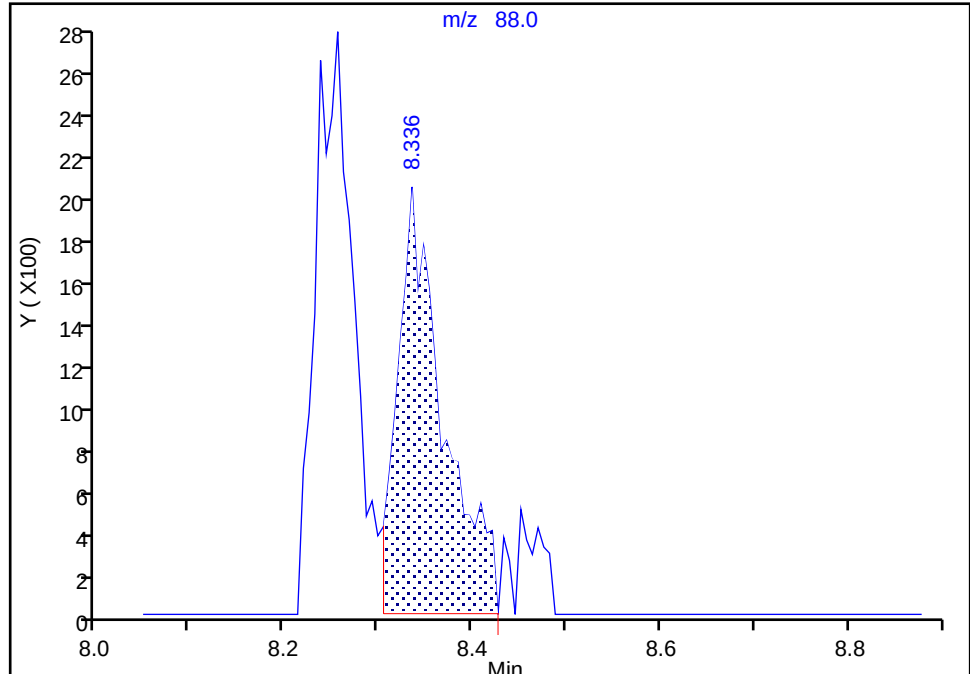
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Injection Date: 14-Oct-2024 22:57:30 Instrument ID: 19094
Lims ID: IC std4 2
Client ID:
Operator ID: gaw91131 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

73 1,4-Dioxane, CAS: 123-91-1

Signal: 1

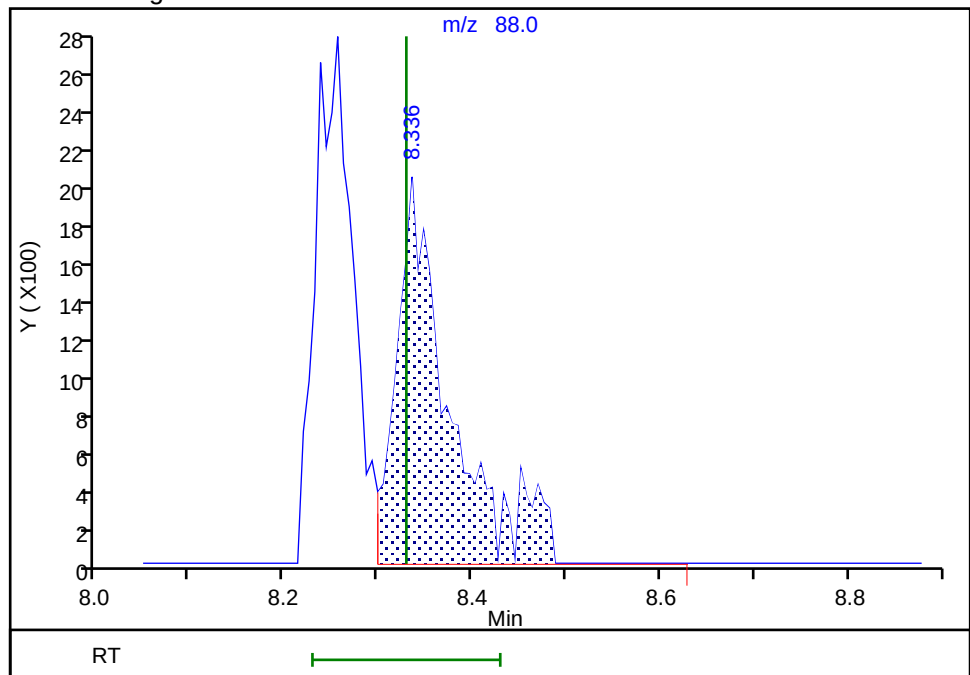
RT: 8.34
Area: 6732
Amount: 95.206503
Amount Units: ug/l

Processing Integration Results



RT: 8.34
Area: 7863
Amount: 107.8809
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 15-Oct-2024 08:10:48 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

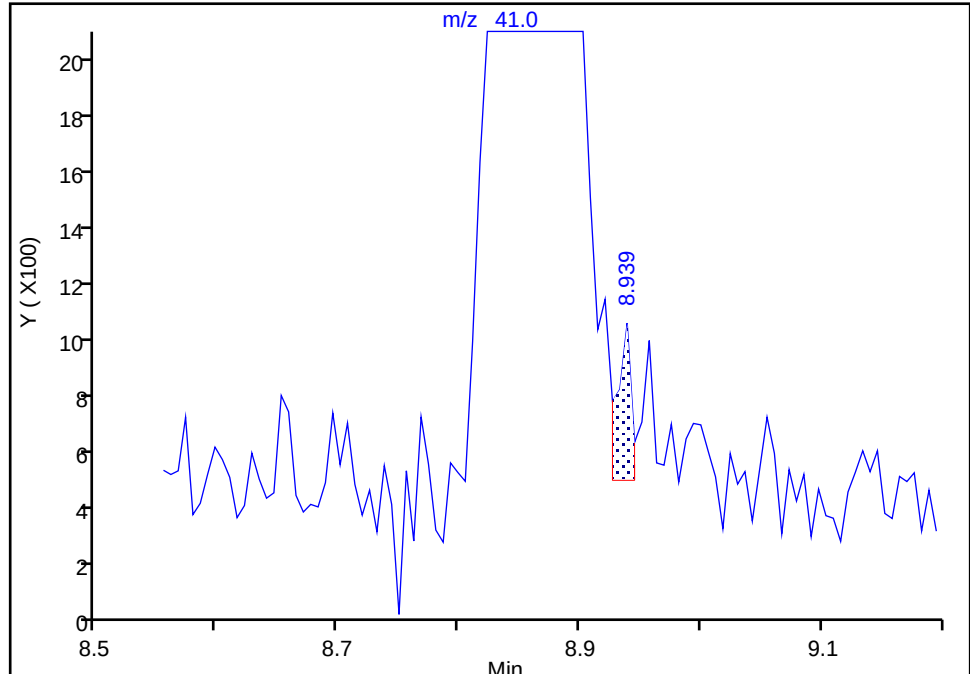
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Injection Date: 14-Oct-2024 22:57:30 Instrument ID: 19094
Lims ID: IC std4 2
Client ID:
Operator ID: gaw91131 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

77 2-Nitropropane, CAS: 79-46-9

Signal: 1

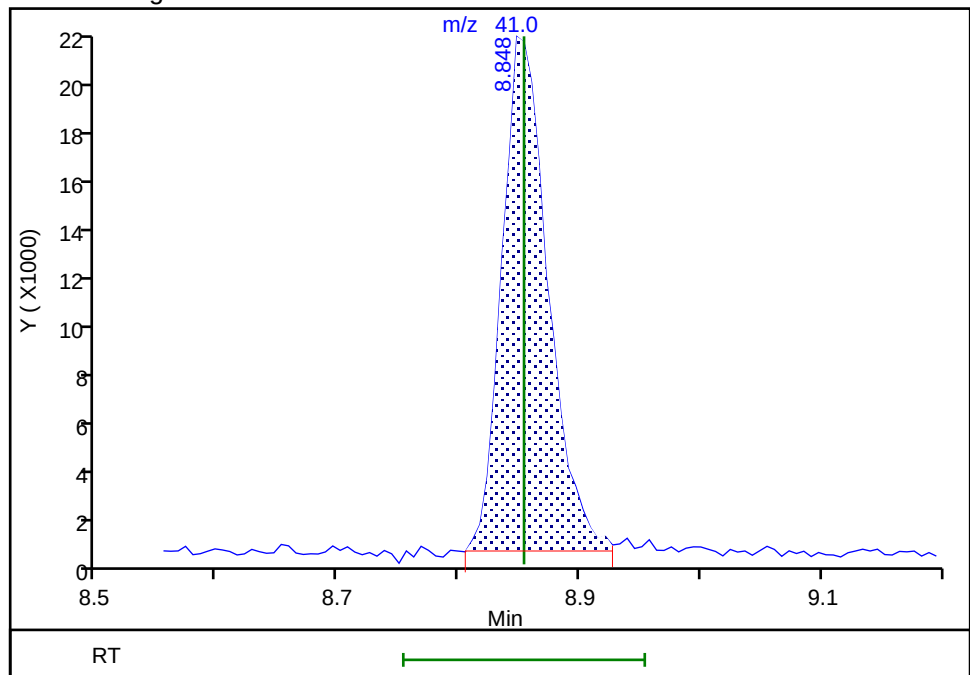
RT: 8.94
Area: 468
Amount: 0.094189
Amount Units: ug/l

Processing Integration Results



RT: 8.85
Area: 56505
Amount: 9.366193
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 15-Oct-2024 08:10:53 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

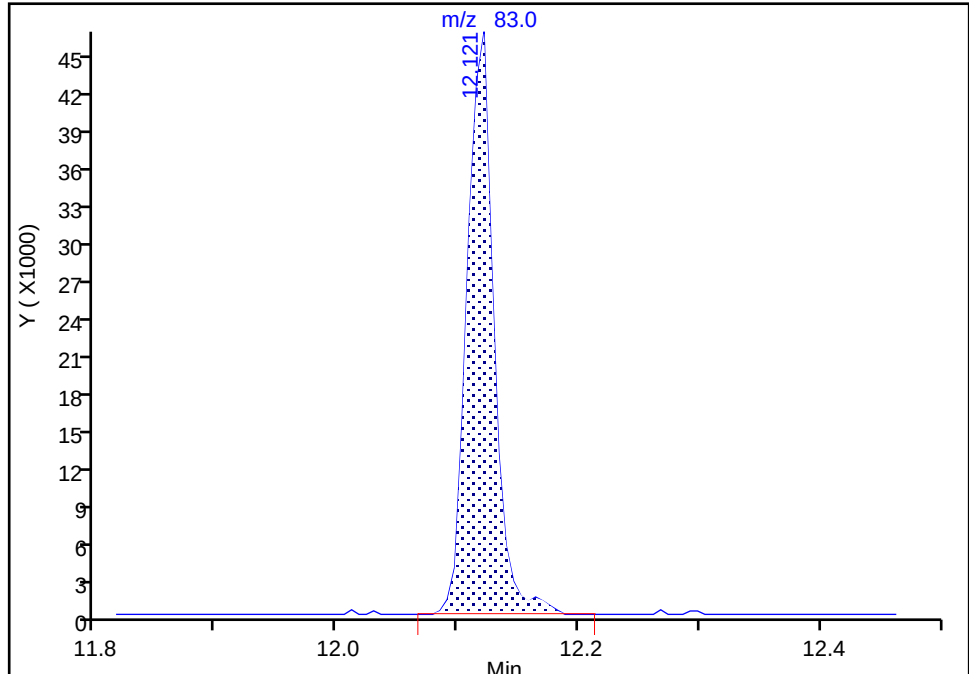
Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X15.D
Injection Date: 14-Oct-2024 22:57:30 Instrument ID: 19094
Lims ID: IC std4 2
Client ID:
Operator ID: gaw91131 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

127 1,1,2,2-Tetrachloroethane, CAS: 79-34-5
Signal: 1

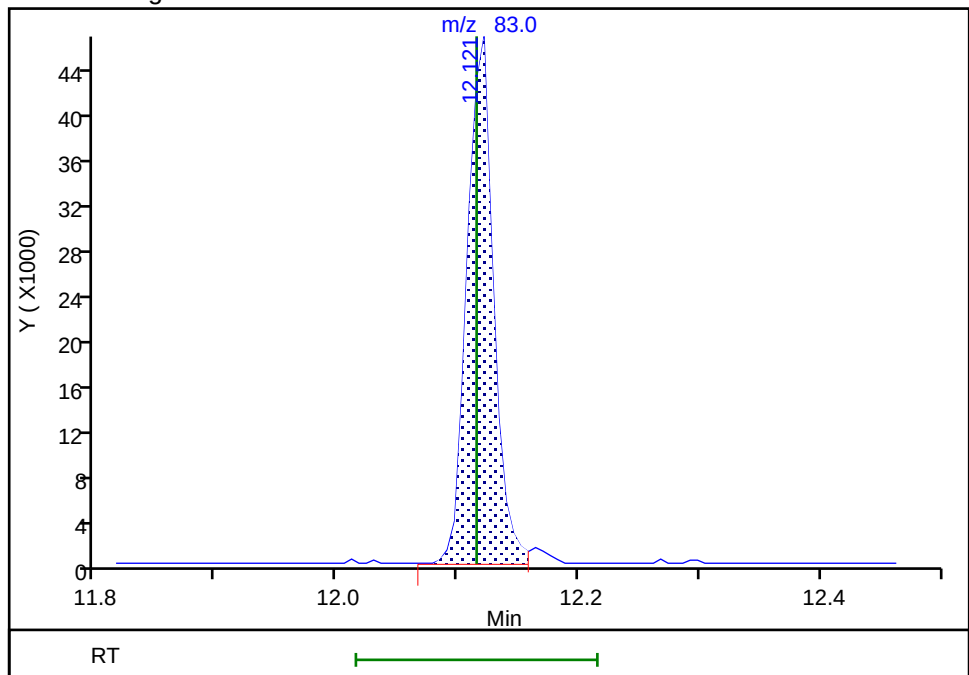
RT: 12.12
Area: 72630
Amount: 1.987927
Amount Units: ug/l

Processing Integration Results



RT: 12.12
Area: 71353
Amount: 1.972987
Amount Units: ug/l

Manual Integration Results



Reviewer: UKEK, 17-Oct-2024 08:53:57 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Baseline

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X16.D
 Lims ID: IC std5 5
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 14-Oct-2024 23:18:30 ALS Bottle#: 16 Worklist Smp#: 17
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0127661-017
 Misc. Info.: IC std5 5
 Operator ID: gaw91131 Instrument ID: 19094
 Sublist: chrom-MSV_19094_25mL*sub1
 Method: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\MSV_19094_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 17-Oct-2024 09:44:45 Calib Date: 15-Oct-2024 00:00:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1693

First Level Reviewer: DVW2

Date: 15-Oct-2024 08:10:00

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.849	1.843	0.006	99	233118	5.00	5.13	
5 Chloromethane	50	2.032	2.026	0.006	99	338663	5.00	5.00	
7 Butadiene	39	2.136	2.129	0.007	93	316980	5.00	5.06	
6 Vinyl chloride	62	2.142	2.135	0.007	98	288117	5.00	4.94	
9 Bromomethane	94	2.447	2.440	0.007	90	216158	5.00	5.15	
10 Chloroethane	64	2.507	2.507	0.000	100	188120	5.00	5.01	
11 Dichlorofluoromethane	67	2.727	2.727	0.000	97	482982	5.00	5.03	
12 Trichlorofluoromethane	101	2.800	2.806	-0.006	98	332622	5.00	5.19	
14 Ethyl ether	59	3.013	3.007	0.006	93	162851	5.00	5.17	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.087	3.093	-0.006	94	268912	5.00	4.98	
16 Acrolein	56	3.172	3.160	0.012	99	1303716	250.5	285.4	
17 1,1-Dichloroethene	96	3.300	3.294	0.006	97	183655	5.00	5.08	
19 Acetone	43	3.330	3.318	0.012	99	274108	50.0	51.6	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.337	3.330	0.007	91	182552	5.00	5.45	
21 Iodomethane	142	3.483	3.477	0.006	98	387532	5.00	5.24	
22 Ethyl bromide	108	3.507	3.501	0.006	98	180009	5.01	5.13	
23 Carbon disulfide	76	3.580	3.580	0.000	99	595387	5.00	5.19	
24 Methyl acetate	43	3.727	3.702	0.025	88	78545	5.00	5.40	
26 3-Chloro-1-propene	41	3.733	3.733	0.000	93	390670	5.00	5.15	
27 Methylene Chloride	84	3.904	3.897	0.007	94	221930	5.00	5.12	
* 28 t-Butyl alcohol-d10 (IS)	65	3.922	3.916	0.006	99	95404	50.0	50.0	
29 2-Methyl-2-propanol	59	4.019	4.013	0.006	100	176330	100.0	107.5	
31 Acrylonitrile	53	4.233	4.214	0.019	98	98383	12.5	14.1	
32 Methyl tert-butyl ether	73	4.275	4.275	0.000	95	524249	5.00	5.21	
33 trans-1,2-Dichloroethene	96	4.300	4.294	0.006	98	215558	5.00	5.11	
34 Hexane	57	4.720	4.714	0.006	93	297344	5.00	5.30	
36 1,1-Dichloroethane	63	4.952	4.946	0.006	96	436243	5.00	5.26	
37 Isopropyl ether	45	5.013	5.001	0.012	96	793496	5.00	5.28	
38 2-Chloro-1,3-butadiene	53	5.062	5.062	0.000	91	364749	5.00	5.29	
40 Tert-butyl ethyl ether	59	5.556	5.549	0.007	99	720935	5.00	5.27	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
41 2-Butanone (MEK)	43	5.751	5.751	0.000	100	505653	50.0	54.8	
42 cis-1,2-Dichloroethene	96	5.793	5.793	0.000	83	260188	5.00	5.28	
43 2,2-Dichloropropane	77	5.806	5.805	0.001	88	353714	5.00	5.14	
44 Propionitrile	54	5.842	5.836	0.006	99	299079	100.0	119.6	M
47 Methacrylonitrile	67	6.056	6.055	0.001	93	552582	50.0	54.9	
48 Chlorobromomethane	128	6.129	6.129	0.000	97	104813	5.00	5.24	
49 Tetrahydrofuran	71	6.141	6.141	0.000	75	72408	25.0	28.0	
S 46 1,2-Dichloroethene, Total	100				0			10.4	
50 Chloroform	83	6.287	6.281	0.006	93	403722	5.00	5.18	
\$ 52 Dibromofluoromethane (Surr)	113	6.501	6.500	0.001	94	492598	10.0	10.2	
53 1,1,1-Trichloroethane	97	6.513	6.513	0.000	98	338392	5.00	5.10	
54 Cyclohexane	56	6.623	6.622	0.001	92	376344	5.00	5.21	
56 Carbon tetrachloride	117	6.732	6.732	0.000	86	298912	5.00	5.41	
55 1,1-Dichloropropene	75	6.726	6.732	-0.006	95	324527	5.00	5.22	
57 Isobutyl alcohol	41	6.891	6.885	0.006	95	157476	250.0	260.2	
\$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.958	6.964	-0.006	87	101574	10.0	10.3	
59 Benzene	78	6.994	6.994	0.000	97	988091	5.00	5.16	
60 1,2-Dichloroethane	62	7.068	7.067	0.001	97	240795	5.00	5.36	
63 Tert-amyl methyl ether	73	7.196	7.195	0.001	98	588927	5.00	5.19	
* 64 Fluorobenzene (IS)	96	7.409	7.409	0.000	98	2077057	10.0	10.0	
65 n-Heptane	43	7.433	7.427	0.006	94	291385	5.00	5.28	
67 n-Butanol	56	7.793	7.787	0.006	89	201232	437.5	479.6	
68 Trichloroethene	95	7.897	7.897	0.000	98	245399	5.00	5.13	
69 Methylcyclohexane	83	8.214	8.214	0.000	92	367437	5.00	5.33	
70 1,2-Dichloropropane	63	8.232	8.232	0.000	88	254056	5.00	5.24	
71 2-ethoxy-2-methyl butane	87	8.250	8.250	0.000	91	377794	5.00	5.26	
73 1,4-Dioxane	88	8.336	8.329	0.007	30	18369	250.0	245.8	
72 Methyl methacrylate	69	8.330	8.329	0.001	92	104861	5.00	5.52	
74 Dibromomethane	93	8.348	8.348	0.000	95	107222	5.00	5.29	
76 Dichlorobromomethane	83	8.586	8.585	0.001	99	283316	5.00	5.26	
77 2-Nitropropane	41	8.854	8.854	0.000	99	157958	25.0	25.5	a
79 1-Bromo-2-chloroethane	63	8.988	8.988	0.000	99	238850	5.00	5.37	
80 cis-1,3-Dichloropropene	75	9.153	9.152	0.001	95	363607	5.00	5.34	
82 4-Methyl-2-pentanone (MIBK)	43	9.335	9.335	0.000	97	1385351	50.0	54.6	
\$ 83 Toluene-d8 (Surr)	98	9.476	9.475	0.001	93	2049029	10.0	10.1	
84 Toluene	92	9.561	9.561	0.000	98	615515	5.00	5.26	
85 trans-1,3-Dichloropropene	75	9.835	9.835	0.000	93	294457	5.00	5.47	
104 Ethyl methacrylate	69	9.902	9.902	0.000	90	237081	5.00	5.49	
106 1,1,2-Trichloroethane	97	10.049	10.042	0.007	90	154743	5.00	5.22	
S 105 1,3-Dichloropropene, Total	100				0			10.8	
107 Tetrachloroethene	166	10.134	10.134	0.000	98	276372	5.00	5.23	
108 1,3-Dichloropropane	76	10.213	10.213	0.000	91	280515	5.00	5.40	
109 2-Hexanone	43	10.268	10.268	0.000	98	922947	50.0	56.8	
111 Chlorodibromomethane	129	10.433	10.433	0.000	90	193406	5.00	5.49	
112 Ethylene Dibromide	107	10.549	10.548	0.001	100	146459	5.00	5.42	
* 113 Chlorobenzene-d5 (IS)	117	10.994	10.993	0.001	86	1486198	10.0	10.0	
114 1-Chlorohexane	91	11.006	11.006	0.000	98	326192	5.00	4.91	
115 Chlorobenzene	112	11.018	11.018	0.000	94	668327	5.00	5.30	
116 1,1,1,2-Tetrachloroethane	131	11.103	11.103	0.000	97	234418	5.00	5.36	
117 Ethylbenzene	91	11.109	11.109	0.000	99	1200608	5.00	5.28	
119 m-Xylene & p-Xylene	106	11.225	11.225	0.000	100	927931	10.0	10.5	
S 118 Xylenes, Total	106				0			15.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
120 o-Xylene	106	11.561	11.560	0.001	96	457476	5.00	5.35	
121 Styrene	104	11.579	11.579	0.000	95	741733	5.00	5.34	
122 Bromoform	173	11.737	11.737	0.000	97	113530	5.00	5.80	
123 Isopropylbenzene	105	11.872	11.871	0.001	96	1069170	5.00	5.30	
\$ 126 4-Bromofluorobenzene (Surr)	95	12.018	12.012	0.006	93	744613	10.0	10.2	
127 1,1,2,2-Tetrachloroethane	83	12.115	12.115	0.000	91	195091	5.00	5.27	M
128 Bromobenzene	156	12.134	12.134	0.000	95	274012	5.00	5.12	
129 trans-1,4-Dichloro-2-butene	53	12.146	12.140	0.006	91	481779	50.0	56.4	
130 1,2,3-Trichloropropane	110	12.164	12.164	0.000	81	49735	5.00	5.53	
131 N-Propylbenzene	91	12.201	12.201	0.000	99	1414854	5.00	5.24	
132 2-Chlorotoluene	126	12.280	12.280	0.000	96	278300	5.00	5.26	
133 1,3,5-Trimethylbenzene	105	12.341	12.341	0.000	94	998109	5.00	5.25	
134 4-Chlorotoluene	126	12.371	12.371	0.000	98	287911	5.00	5.30	
135 tert-Butylbenzene	134	12.585	12.585	0.000	94	227156	5.00	5.25	
136 Pentachloroethane	167	12.615	12.615	0.000	95	183433	5.00	5.34	
137 1,2,4-Trimethylbenzene	105	12.627	12.627	0.000	97	1024249	5.00	5.29	
138 sec-Butylbenzene	105	12.749	12.749	0.000	94	1262163	5.00	5.20	
139 1,3-Dichlorobenzene	146	12.853	12.847	0.006	98	552624	5.00	5.25	
140 4-Isopropyltoluene	119	12.859	12.859	0.000	97	1113152	5.00	5.23	
* 141 1,4-Dichlorobenzene-d4	152	12.908	12.908	0.000	94	845338	10.0	10.0	
142 1,4-Dichlorobenzene	146	12.926	12.926	0.000	96	551842	5.00	5.14	
143 1,2,3-Trimethylbenzene	120	12.932	12.932	0.000	99	452141	5.00	5.17	
144 Benzyl chloride	126	12.999	12.999	0.000	98	83229	5.00	5.57	
145 p-Diethylbenzene	119	13.133	13.133	0.000	96	667973	5.00	5.21	
146 n-Butylbenzene	92	13.158	13.158	0.000	97	527930	5.00	5.37	
147 1,2-Dichlorobenzene	146	13.182	13.182	0.000	99	505190	5.00	5.38	
149 1,2-Dibromo-3-Chloropropane	155	13.731	13.731	0.000	85	28121	5.00	5.74	
150 1,3,5-Trichlorobenzene	180	13.859	13.859	0.000	98	418630	5.00	5.36	
151 1,2,4-Trichlorobenzene	180	14.286	14.286	0.000	94	358585	5.00	5.35	
152 Hexachlorobutadiene	225	14.365	14.371	-0.006	94	138378	5.00	5.11	
153 Naphthalene	128	14.462	14.462	0.000	97	639417	5.00	5.52	
154 1,2,3-Trichlorobenzene	180	14.609	14.603	0.006	96	308911	5.00	5.32	
157 Pentane	43		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_LL_#1_826_00150

Amount Added: 5.00

Units: uL

MSV_LL_GAS826_00238

Amount Added: 5.00

Units: uL

MSV_LL_#2_826_00157

Amount Added: 5.00

Units: uL

MSV_LLcentISS_00014

Amount Added: 5.00

Units: uL

Run Reagent

Report Date: 17-Oct-2024 09:44:46

Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X16.D

Injection Date: 14-Oct-2024 23:18:30

Instrument ID: 19094

Operator ID: gaw91131

Lims ID: IC std5 5

Worklist Smp#: 17

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

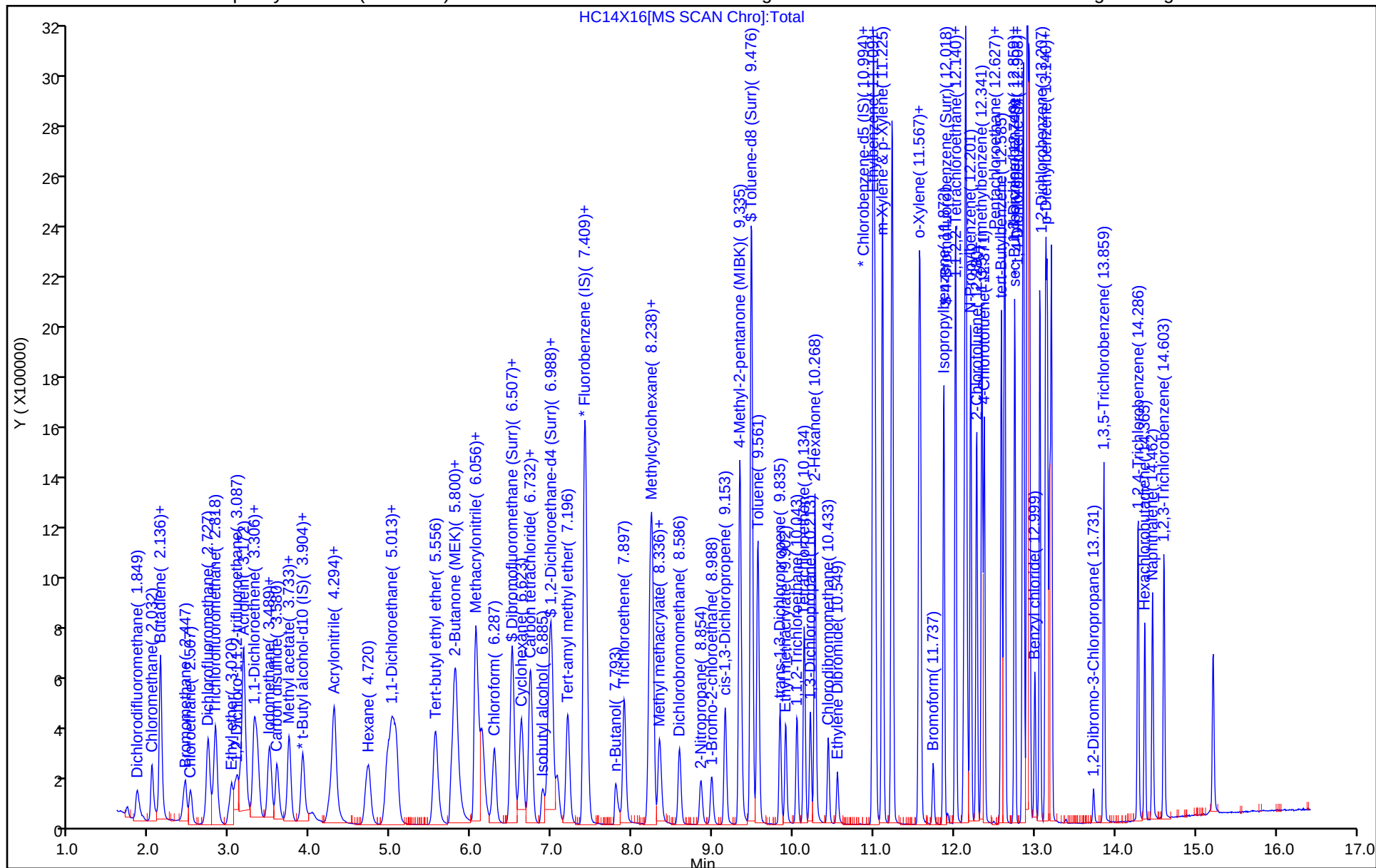
ALS Bottle#: 16

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

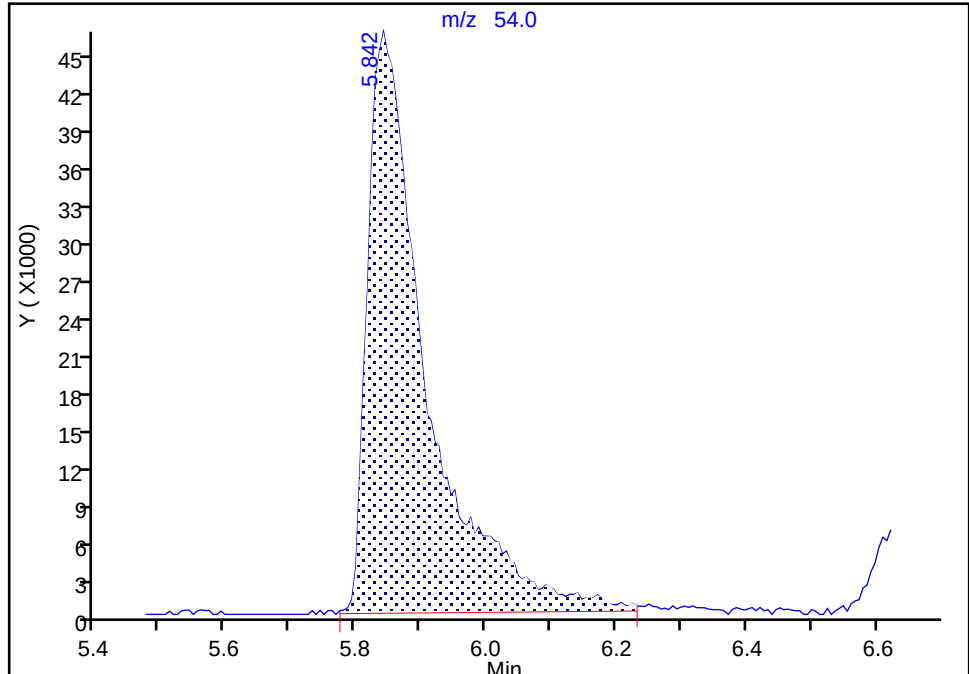
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Injection Date: 14-Oct-2024 23:18:30 Instrument ID: 19094
Lims ID: IC std5 5
Client ID:
Operator ID: gaw91131 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

44 Propionitrile, CAS: 107-12-0

Signal: 1

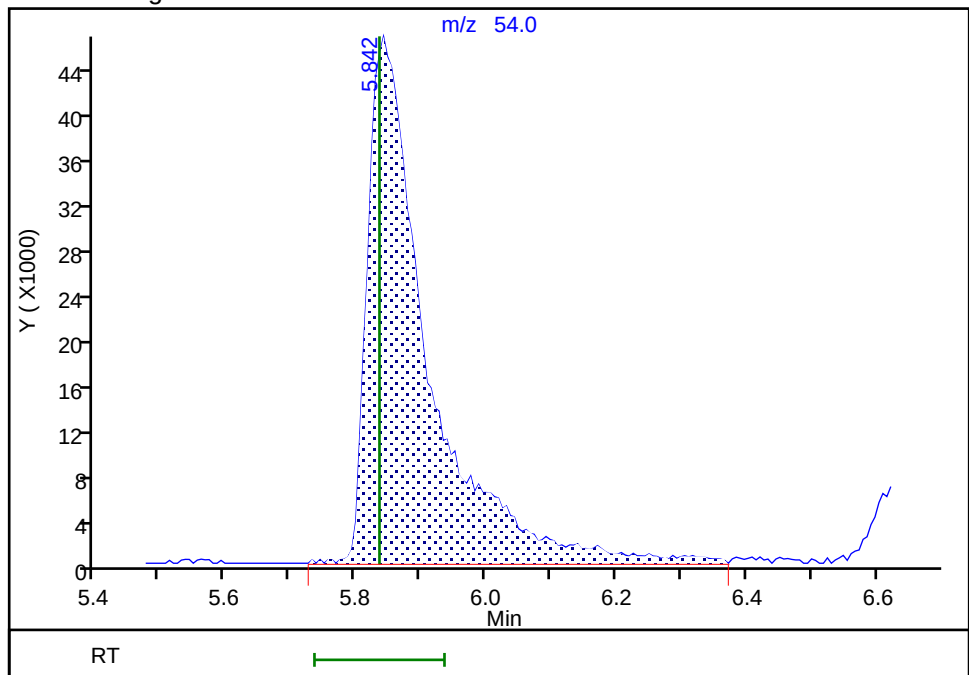
RT: 5.84
Area: 289811
Amount: 106.5563
Amount Units: ug/l

Processing Integration Results



RT: 5.84
Area: 299079
Amount: 119.5701
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 15-Oct-2024 08:14:18 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

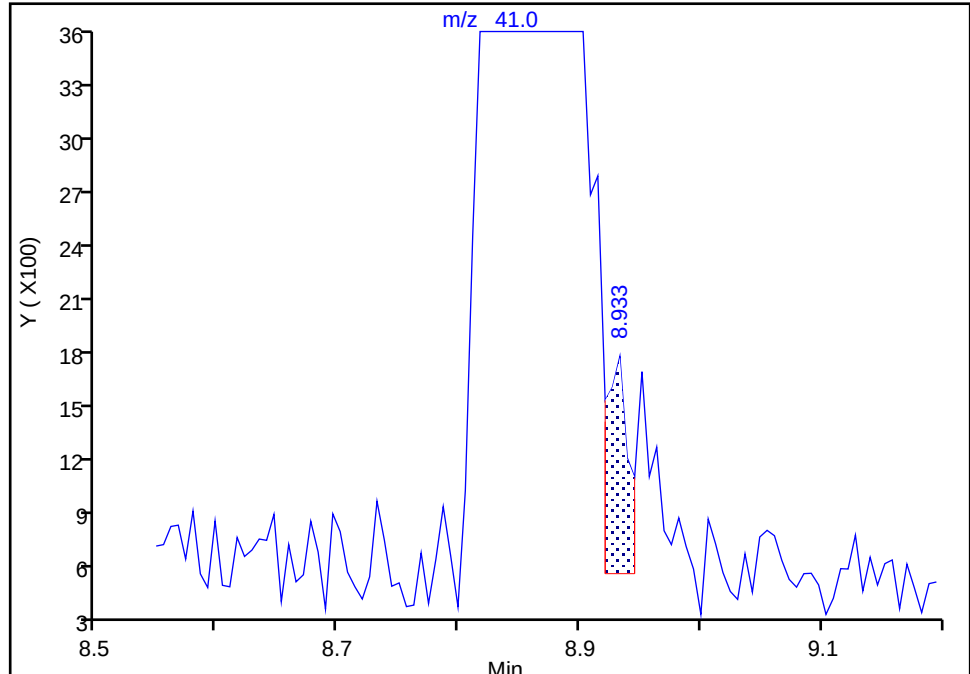
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Injection Date: 14-Oct-2024 23:18:30 Instrument ID: 19094
Lims ID: IC std5 5
Client ID:
Operator ID: gaw91131 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

77 2-Nitropropane, CAS: 79-46-9

Signal: 1

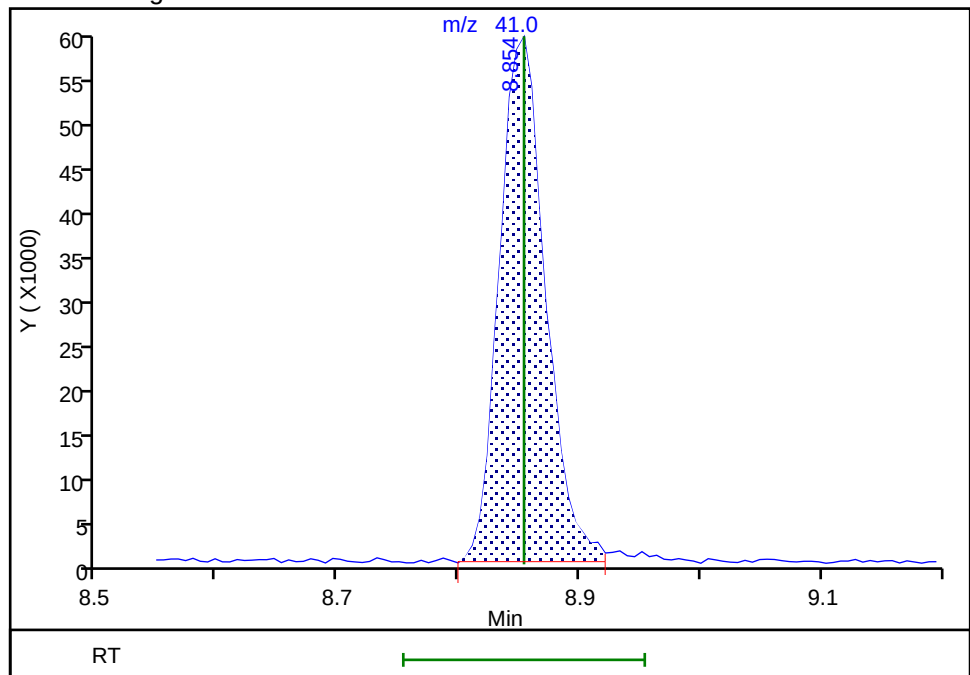
RT: 8.93
Area: 1562
Amount: 0.371868
Amount Units: ug/l

Processing Integration Results



RT: 8.85
Area: 157958
Amount: 25.538515
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 15-Oct-2024 08:09:44 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

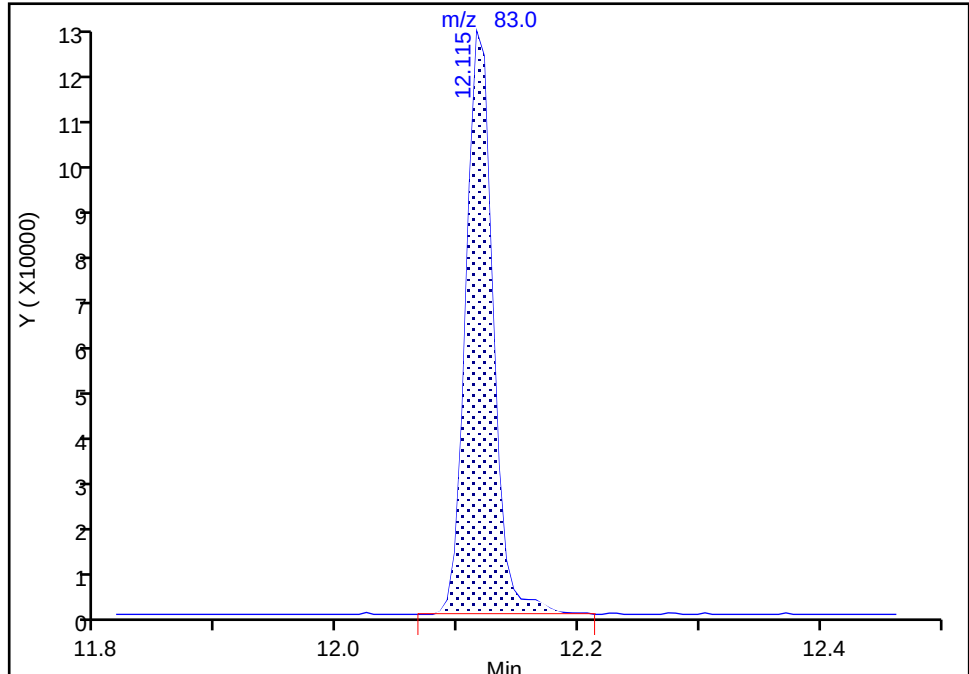
Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X16.D
Injection Date: 14-Oct-2024 23:18:30 Instrument ID: 19094
Lims ID: IC std5 5
Client ID:
Operator ID: gaw91131 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

127 1,1,2,2-Tetrachloroethane, CAS: 79-34-5
Signal: 1

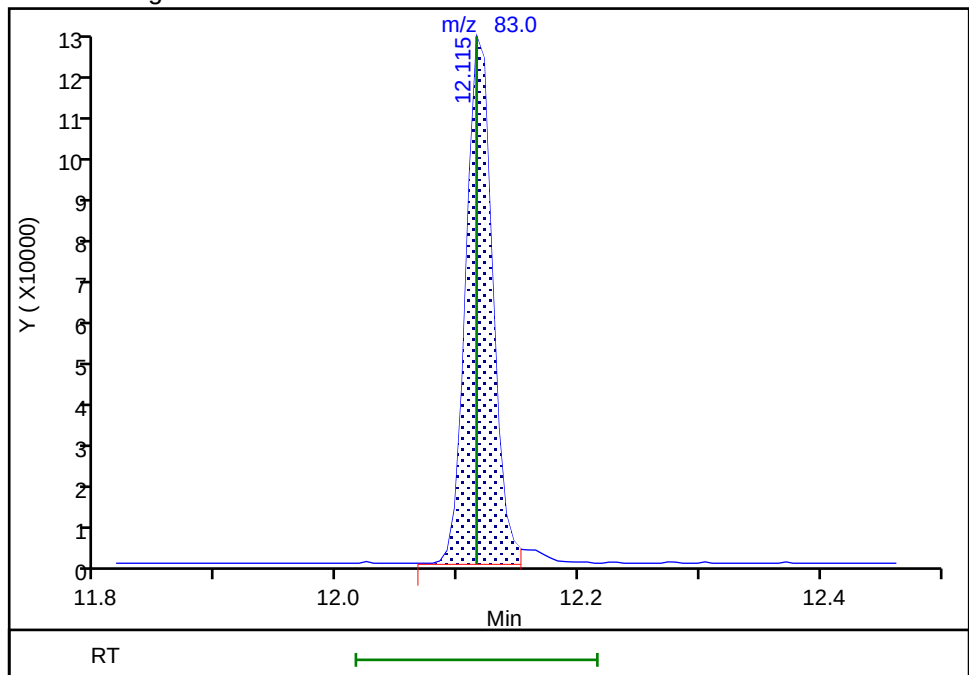
RT: 12.12
Area: 199395
Amount: 5.346370
Amount Units: ug/l

Processing Integration Results



RT: 12.12
Area: 195091
Amount: 5.271376
Amount Units: ug/l

Manual Integration Results



Reviewer: UKEK, 17-Oct-2024 08:54:23 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Baseline

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X17.D
 Lims ID: ICIS 10
 Client ID:
 Sample Type: ICIS Calib Level: 6
 Inject. Date: 14-Oct-2024 23:39:30 ALS Bottle#: 17 Worklist Smp#: 18
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0127661-018
 Misc. Info.: ICIS 10
 Operator ID: gaw91131 Instrument ID: 19094
 Sublist: chrom-MSV_19094_25mL*sub1
 Method: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\MSV_19094_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 17-Oct-2024 09:45:01 Calib Date: 15-Oct-2024 00:00:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1693

First Level Reviewer: JS6E

Date: 15-Oct-2024 19:12:19

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.843	1.843	0.000	99	467954	10.0	10.2	
5 Chloromethane	50	2.026	2.026	0.000	99	671586	10.0	9.77	
7 Butadiene	39	2.129	2.129	0.000	93	636695	10.0	10.0	
6 Vinyl chloride	62	2.135	2.135	0.000	98	578042	10.0	9.77	
9 Bromomethane	94	2.440	2.440	0.000	90	428901	10.0	10.1	
10 Chloroethane	64	2.507	2.507	0.000	100	378233	10.0	9.94	
11 Dichlorofluoromethane	67	2.727	2.727	0.000	97	964421	10.0	9.89	
12 Trichlorofluoromethane	101	2.806	2.806	0.000	97	667369	10.0	10.3	
14 Ethyl ether	59	3.007	3.007	0.000	92	313241	10.0	9.81	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.093	3.093	0.000	95	535868	10.0	9.78	
16 Acrolein	56	3.160	3.160	0.000	99	2597097	501.1	498.3	
17 1,1-Dichloroethene	96	3.294	3.294	0.000	98	347776	10.0	9.49	
19 Acetone	43	3.318	3.318	0.000	100	558854	100.0	92.2	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.330	3.330	0.000	91	337031	10.0	9.92	
21 Iodomethane	142	3.477	3.477	0.000	98	754125	10.0	10.1	
22 Ethyl bromide	108	3.501	3.501	0.000	99	329604	10.0	9.26	
23 Carbon disulfide	76	3.580	3.580	0.000	99	1112494	10.0	9.56	
24 Methyl acetate	43	3.702	3.702	0.000	97	178355	10.0	10.7	
26 3-Chloro-1-propene	41	3.733	3.733	0.000	92	745147	10.0	9.69	
27 Methylene Chloride	84	3.897	3.897	0.000	94	434823	10.0	9.90	
* 28 t-Butyl alcohol-d10 (IS)	65	3.903	3.903	0.000	99	108835	50.0	50.0	
29 2-Methyl-2-propanol	59	4.013	4.013	0.000	100	388248	200.0	207.4	
31 Acrylonitrile	53	4.214	4.214	0.000	99	192423	25.0	24.2	
32 Methyl tert-butyl ether	73	4.275	4.275	0.000	96	1023911	10.0	10.0	
33 trans-1,2-Dichloroethene	96	4.294	4.294	0.000	98	420233	10.0	9.82	
34 Hexane	57	4.714	4.714	0.000	93	536134	10.0	9.43	
36 1,1-Dichloroethane	63	4.946	4.946	0.000	96	838118	10.0	9.97	
37 Isopropyl ether	45	5.001	5.001	0.000	95	1532222	10.0	10.1	
38 2-Chloro-1,3-butadiene	53	5.062	5.062	0.000	91	687617	10.0	9.83	
40 Tert-butyl ethyl ether	59	5.549	5.549	0.000	98	1393799	10.0	10.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
41 2-Butanone (MEK)	43	5.751	5.751	0.000	100	1034632	100.0	98.3	
42 cis-1,2-Dichloroethene	96	5.793	5.793	0.000	83	499978	10.0	10.0	
43 2,2-Dichloropropane	77	5.805	5.805	0.000	87	672092	10.0	9.63	
44 Propionitrile	54	5.836	5.836	0.000	100	593340	200.0	207.9	M
47 Methacrylonitrile	67	6.055	6.055	0.000	93	1104722	100.0	96.3	
48 Chlorobromomethane	128	6.129	6.129	0.000	97	210770	10.0	10.4	
49 Tetrahydrofuran	71	6.141	6.141	0.000	80	146482	50.0	49.6	
50 Chloroform	83	6.281	6.281	0.000	93	789704	10.0	10.0	
\$ 52 Dibromofluoromethane (Surr)	113	6.500	6.500	0.000	94	493346	10.0	10.0	
53 1,1,1-Trichloroethane	97	6.513	6.513	0.000	99	649463	10.0	9.65	
54 Cyclohexane	56	6.622	6.622	0.000	91	703493	10.0	9.60	
56 Carbon tetrachloride	117	6.732	6.732	0.000	83	566056	10.0	10.1	
55 1,1-Dichloropropene	75	6.732	6.732	0.000	95	621382	10.0	9.85	
57 Isobutyl alcohol	41	6.885	6.885	0.000	95	334719	500.0	484.8	
\$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.964	6.964	0.000	91	102339	10.0	10.2	
59 Benzene	78	6.994	6.994	0.000	97	1919754	10.0	9.89	
60 1,2-Dichloroethane	62	7.067	7.067	0.000	97	452561	10.0	9.93	
63 Tert-amyl methyl ether	73	7.195	7.195	0.000	98	1166737	10.0	10.1	
* 64 Fluorobenzene (IS)	96	7.409	7.409	0.000	98	2106583	10.0	10.0	
65 n-Heptane	43	7.427	7.427	0.000	93	530748	10.0	9.49	a
67 n-Butanol	56	7.787	7.787	0.000	89	469560	875.0	981.0	
68 Trichloroethene	95	7.897	7.897	0.000	98	475408	10.0	9.80	
69 Methylcyclohexane	83	8.214	8.214	0.000	92	686914	10.0	9.82	
70 1,2-Dichloropropane	63	8.232	8.232	0.000	89	504100	10.0	10.3	
71 2-ethoxy-2-methyl butane	87	8.250	8.250	0.000	91	748430	10.0	10.3	
73 1,4-Dioxane	88	8.329	8.329	0.000	32	53638	500.0	629.2	M
72 Methyl methacrylate	69	8.329	8.329	0.000	92	200957	10.0	9.28	
74 Dibromomethane	93	8.348	8.348	0.000	95	215206	10.0	10.5	
76 Dichlorobromomethane	83	8.585	8.585	0.000	99	567207	10.0	10.4	
77 2-Nitropropane	41	8.854	8.854	0.000	98	312176	50.0	44.2	
79 1-Bromo-2-chloroethane	63	8.988	8.988	0.000	99	465683	10.0	10.3	
80 cis-1,3-Dichloropropene	75	9.152	9.152	0.000	96	733249	10.0	10.6	
82 4-Methyl-2-pentanone (MIBK)	43	9.335	9.335	0.000	97	2733987	100.0	94.4	
\$ 83 Toluene-d8 (Surr)	98	9.475	9.475	0.000	93	2072657	10.0	9.94	
84 Toluene	92	9.561	9.561	0.000	98	1195226	10.0	9.98	
85 trans-1,3-Dichloropropene	75	9.835	9.835	0.000	94	586534	10.0	10.7	
104 Ethyl methacrylate	69	9.902	9.902	0.000	90	472191	10.0	10.7	
106 1,1,2-Trichloroethane	97	10.042	10.042	0.000	90	305541	10.0	10.1	
107 Tetrachloroethene	166	10.134	10.134	0.000	98	531546	10.0	9.83	
108 1,3-Dichloropropane	76	10.213	10.213	0.000	91	549629	10.0	10.3	
109 2-Hexanone	43	10.268	10.268	0.000	97	1856476	100.0	100.1	
111 Chlorodibromomethane	129	10.433	10.433	0.000	90	395764	10.0	11.0	
112 Ethylene Dibromide	107	10.548	10.548	0.000	99	291187	10.0	10.5	
* 113 Chlorobenzene-d5 (IS)	117	10.993	10.993	0.000	86	1520584	10.0	10.0	
114 1-Chlorohexane	91	11.006	11.006	0.000	98	628854	10.0	9.25	
115 Chlorobenzene	112	11.018	11.018	0.000	95	1303911	10.0	10.1	
116 1,1,1,2-Tetrachloroethane	131	11.103	11.103	0.000	96	463096	10.0	10.3	
117 Ethylbenzene	91	11.109	11.109	0.000	99	2331061	10.0	10.0	
119 m-Xylene & p-Xylene	106	11.225	11.225	0.000	100	1796596	20.0	20.0	
120 o-Xylene	106	11.560	11.560	0.000	97	881673	10.0	10.1	
121 Styrene	104	11.579	11.579	0.000	95	1446299	10.0	10.2	
122 Bromoform	173	11.737	11.737	0.000	98	228212	10.0	11.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
123 Isopropylbenzene	105	11.871	11.871	0.000	96	2053242	10.0	9.94	
\$ 126 4-Bromofluorobenzene (Surr)	95	12.012	12.012	0.000	91	740859	10.0	9.91	
127 1,1,2,2-Tetrachloroethane	83	12.115	12.115	0.000	92	387911	10.0	10.5	M
128 Bromobenzene	156	12.134	12.134	0.000	94	539734	10.0	10.1	
129 trans-1,4-Dichloro-2-butene	53	12.140	12.140	0.000	90	983872	100.0	101.0	
130 1,2,3-Trichloropropane	110	12.164	12.164	0.000	80	97313	10.0	10.8	
131 N-Propylbenzene	91	12.201	12.201	0.000	99	2735595	10.0	10.1	
132 2-Chlorotoluene	126	12.280	12.280	0.000	97	544845	10.0	10.3	
133 1,3,5-Trimethylbenzene	105	12.341	12.341	0.000	94	1956957	10.0	10.3	
134 4-Chlorotoluene	126	12.371	12.371	0.000	98	557441	10.0	10.3	
135 tert-Butylbenzene	134	12.585	12.585	0.000	94	448820	10.0	10.4	
136 Pentachloroethane	167	12.615	12.615	0.000	95	362738	10.0	10.5	
137 1,2,4-Trimethylbenzene	105	12.627	12.627	0.000	97	1995968	10.0	10.3	
138 sec-Butylbenzene	105	12.749	12.749	0.000	94	2449888	10.0	10.1	
139 1,3-Dichlorobenzene	146	12.847	12.847	0.000	99	1076868	10.0	10.2	
140 4-Isopropyltoluene	119	12.859	12.859	0.000	97	2183616	10.0	10.2	
* 141 1,4-Dichlorobenzene-d4	152	12.908	12.908	0.000	93	846649	10.0	10.0	
142 1,4-Dichlorobenzene	146	12.926	12.926	0.000	94	1082569	10.0	10.1	
143 1,2,3-Trimethylbenzene	120	12.932	12.932	0.000	99	885074	10.0	10.1	
144 Benzyl chloride	126	12.999	12.999	0.000	99	164795	10.0	11.0	
145 p-Diethylbenzene	119	13.133	13.133	0.000	94	1306214	10.0	10.2	
146 n-Butylbenzene	92	13.158	13.158	0.000	96	1020906	10.0	10.4	
147 1,2-Dichlorobenzene	146	13.182	13.182	0.000	98	985687	10.0	10.5	
149 1,2-Dibromo-3-Chloropropane	155	13.731	13.731	0.000	86	58093	10.0	11.8	
150 1,3,5-Trichlorobenzene	180	13.859	13.859	0.000	98	824916	10.0	10.5	
151 1,2,4-Trichlorobenzene	180	14.286	14.286	0.000	94	708917	10.0	10.6	
152 Hexachlorobutadiene	225	14.371	14.371	0.000	94	271223	10.0	10.0	
153 Naphthalene	128	14.462	14.462	0.000	97	1263500	10.0	10.9	
154 1,2,3-Trichlorobenzene	180	14.603	14.603	0.000	95	615896	10.0	10.6	
157 Pentane	43		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_LL_#1_826_00150

Amount Added: 10.00

Units: uL

MSV_LL_GAS826_00238

Amount Added: 10.00

Units: uL

MSV_LL_#2_826_00157

Amount Added: 10.00

Units: uL

MSV_LLcentISS_00014

Amount Added: 5.00

Units: uL

Run Reagent

Report Date: 17-Oct-2024 09:45:02

Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X17.D

Injection Date: 14-Oct-2024 23:39:30

Instrument ID: 19094

Operator ID: gaw91131

Lims ID: ICIS 10

Worklist Smp#: 18

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

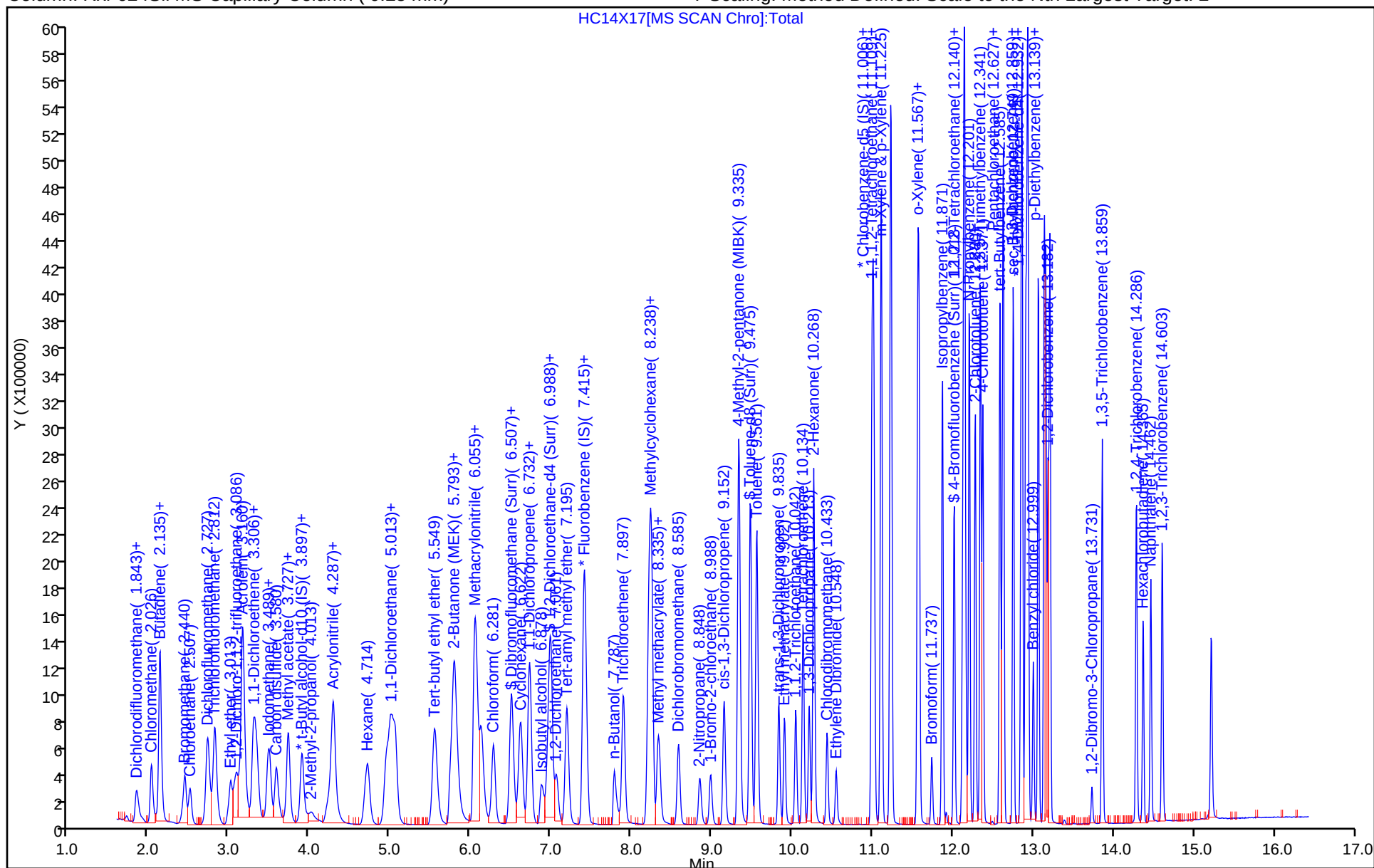
ALS Bottle#: 17

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

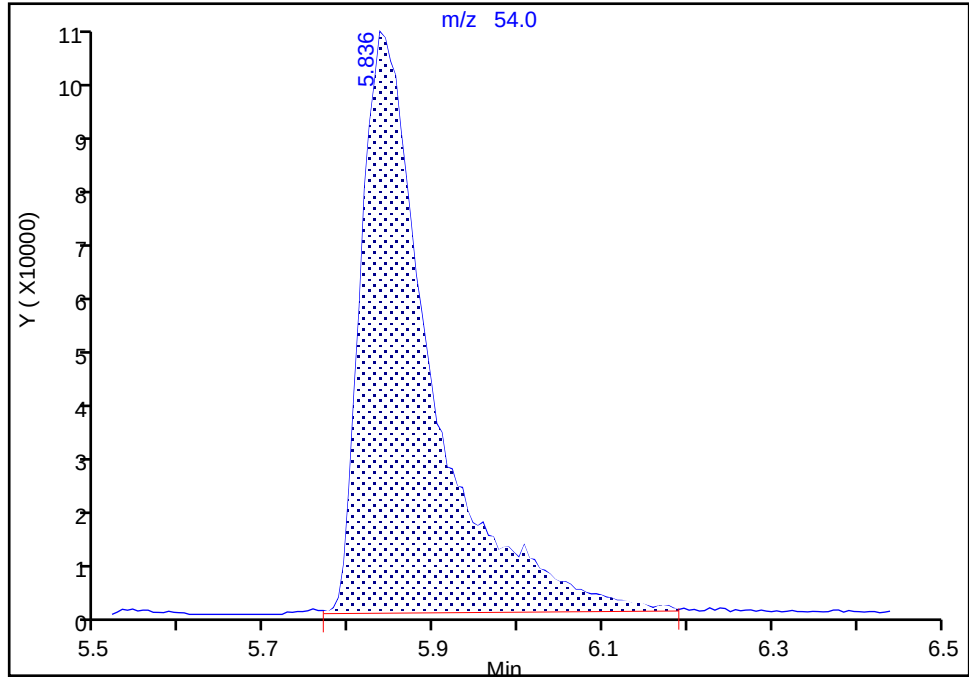
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Injection Date: 14-Oct-2024 23:39:30 Instrument ID: 19094
Lims ID: ICIS 10
Client ID:
Operator ID: gaw91131 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

44 Propionitrile, CAS: 107-12-0

Signal: 1

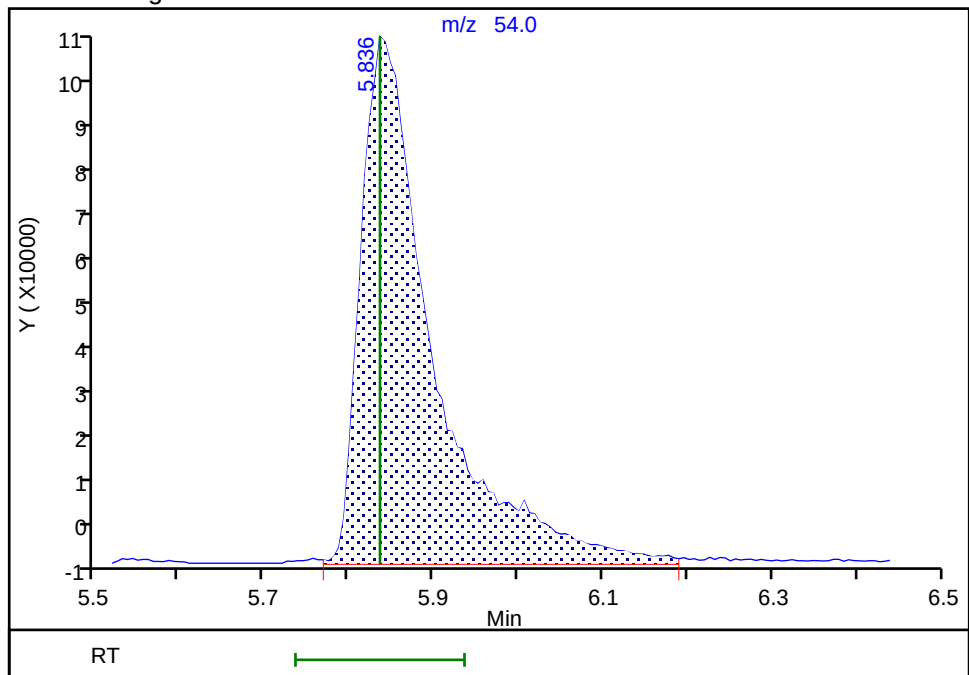
RT: 5.84
Area: 587924
Amount: 182.4782
Amount Units: ug/l

Processing Integration Results



RT: 5.84
Area: 593340
Amount: 207.9401
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 15-Oct-2024 08:14:32 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

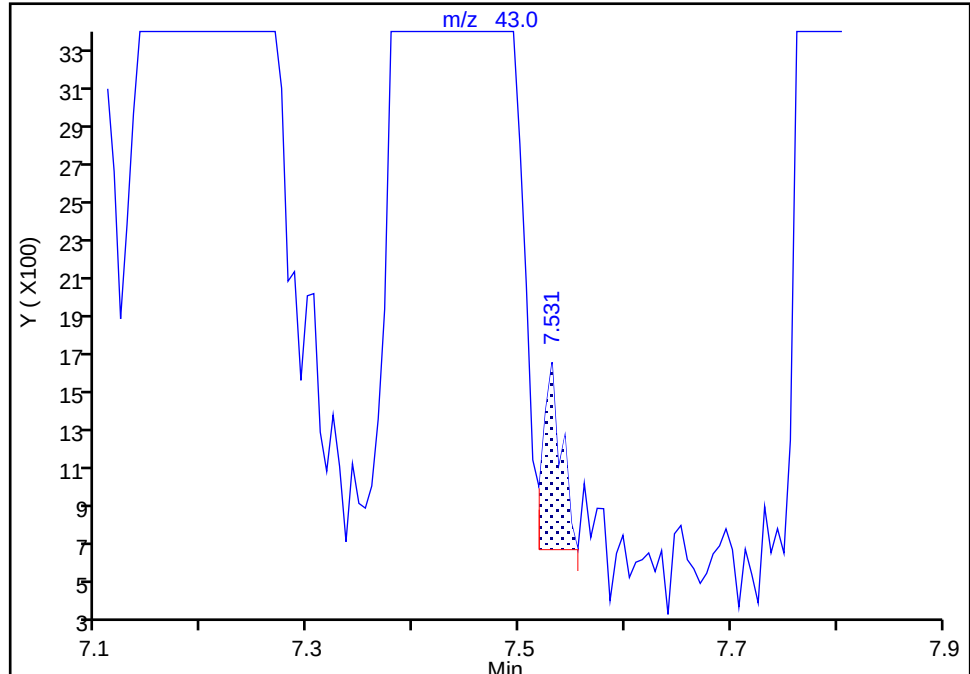
Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X17.D
Injection Date: 14-Oct-2024 23:39:30 Instrument ID: 19094
Lims ID: ICIS 10
Client ID:
Operator ID: gaw91131 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

65 n-Heptane, CAS: 142-82-5

Signal: 1

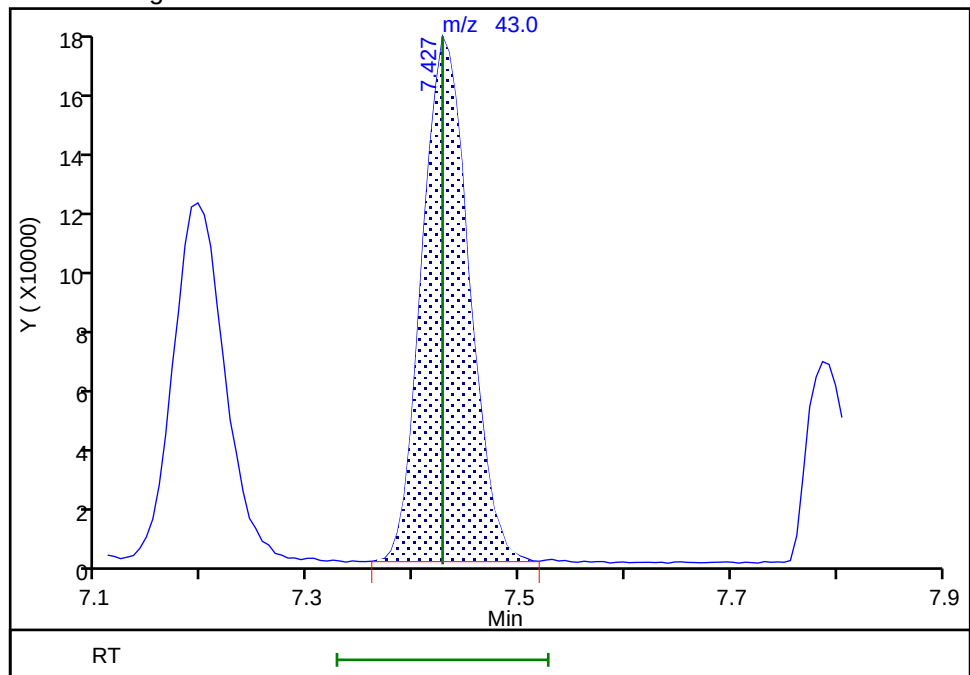
RT: 7.53
Area: 1128
Amount: 0.031533
Amount Units: ug/l

Processing Integration Results



RT: 7.43
Area: 530748
Amount: 9.488558
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 15-Oct-2024 08:07:46 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC

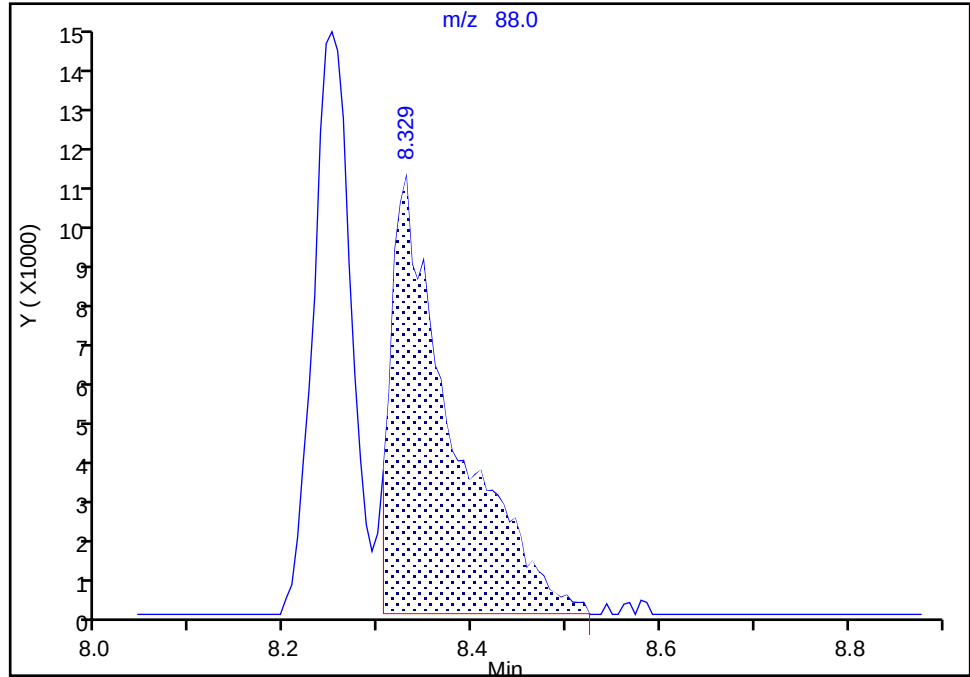
Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X17.D
Injection Date: 14-Oct-2024 23:39:30 Instrument ID: 19094
Lims ID: ICIS 10
Client ID:
Operator ID: gaw91131 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

73 1,4-Dioxane, CAS: 123-91-1

Signal: 1

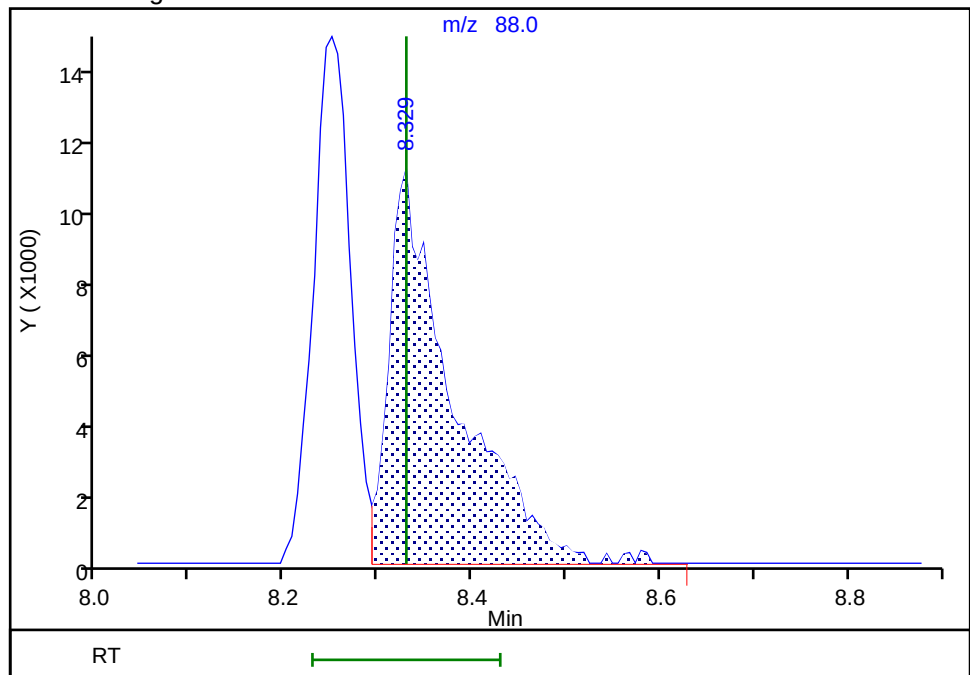
RT: 8.33
Area: 51735
Amount: 500.2997
Amount Units: ug/l

Processing Integration Results



RT: 8.33
Area: 53638
Amount: 629.2228
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 15-Oct-2024 08:08:03 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

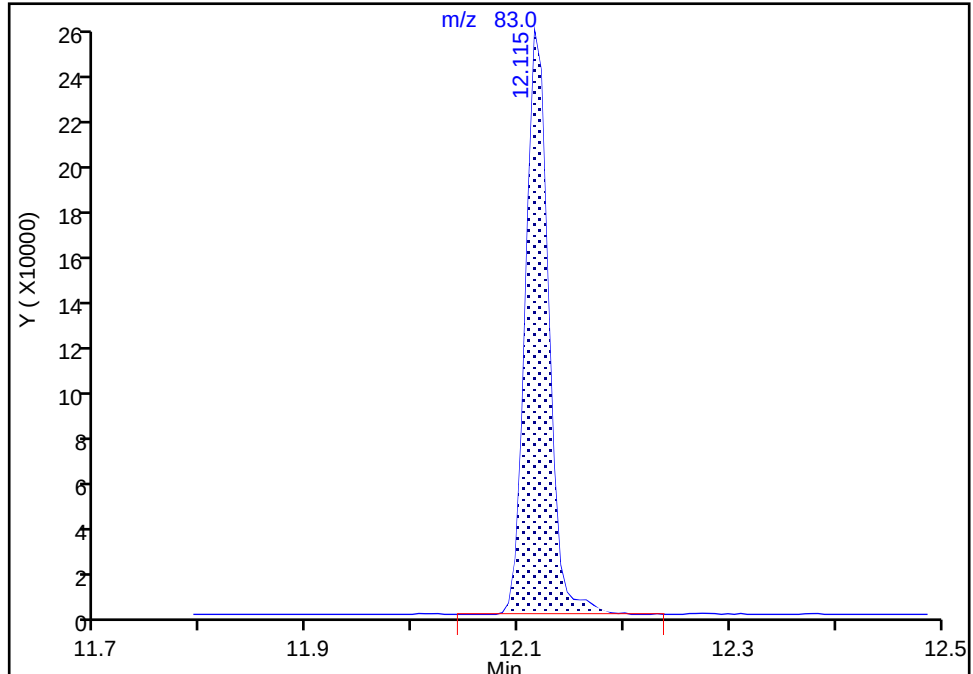
Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X17.D
Injection Date: 14-Oct-2024 23:39:30 Instrument ID: 19094
Lims ID: ICIS 10
Client ID:
Operator ID: gaw91131 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

127 1,1,2,2-Tetrachloroethane, CAS: 79-34-5
Signal: 1

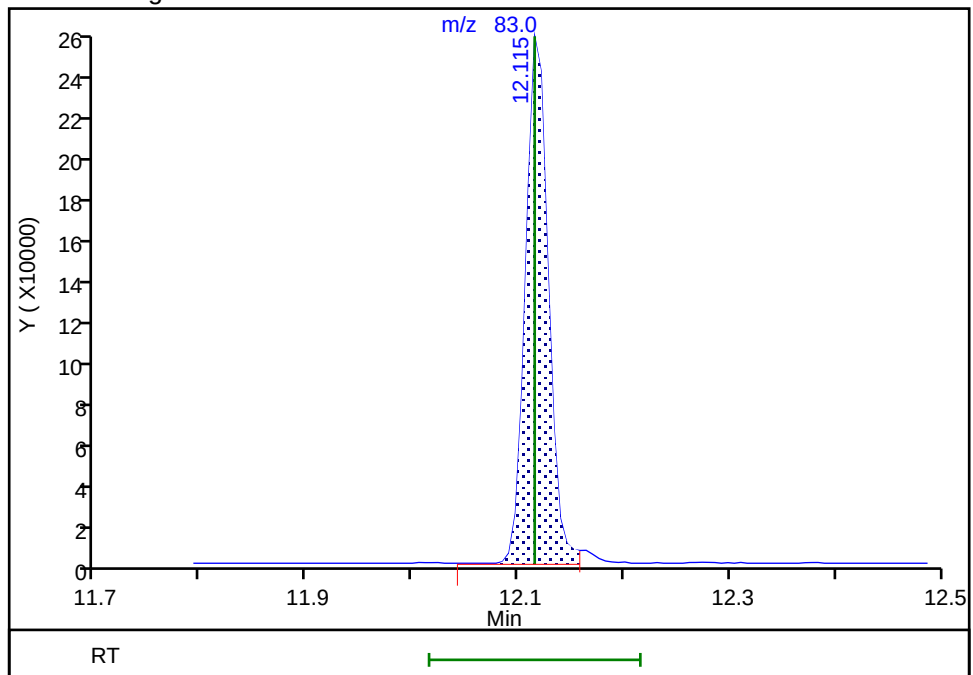
RT: 12.12
Area: 393818
Amount: 10.577954
Amount Units: ug/l

Processing Integration Results



RT: 12.12
Area: 387911
Amount: 10.465160
Amount Units: ug/l

Manual Integration Results



Reviewer: UKEK, 17-Oct-2024 08:54:48 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Baseline

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X18.D
 Lims ID: IC std7 25
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 15-Oct-2024 00:00:30 ALS Bottle#: 18 Worklist Smp#: 19
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0127661-019
 Misc. Info.: IC std7 25
 Operator ID: gaw91131 Instrument ID: 19094
 Sublist: chrom-MSV_19094_25mL*sub1
 Method: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\MSV_19094_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 17-Oct-2024 09:45:10 Calib Date: 15-Oct-2024 00:00:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1693

First Level Reviewer: DVW2

Date: 15-Oct-2024 08:09:11

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.849	1.843	0.006	99	1238585	25.0	26.3	
5 Chloromethane	50	2.038	2.026	0.012	99	1705552	25.0	24.3	
7 Butadiene	39	2.142	2.129	0.013	94	1636446	25.0	25.2	
6 Vinyl chloride	62	2.142	2.135	0.007	98	1552850	25.0	25.7	
9 Bromomethane	94	2.446	2.440	0.006	90	1130540	25.0	26.0	
10 Chloroethane	64	2.513	2.507	0.006	100	987165	25.0	25.4	
11 Dichlorofluoromethane	67	2.733	2.727	0.006	97	2547586	25.0	25.6	
12 Trichlorofluoromethane	101	2.812	2.806	0.006	98	1773971	25.0	26.7	
14 Ethyl ether	59	3.019	3.007	0.012	93	851294	25.0	26.1	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.099	3.093	0.006	94	1418629	25.0	25.3	
16 Acrolein	56	3.166	3.160	0.006	100	6316377	1252.7	1395.7	
17 1,1-Dichloroethene	96	3.306	3.294	0.012	98	1039302	25.0	27.7	
19 Acetone	43	3.324	3.318	0.006	100	1288841	250.0	245.0	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.343	3.330	0.013	92	1056825	25.0	30.4	
21 Iodomethane	142	3.483	3.477	0.006	98	2152117	25.0	28.1	
22 Ethyl bromide	108	3.507	3.501	0.006	98	988133	25.0	27.2	
23 Carbon disulfide	76	3.586	3.580	0.006	99	3396338	25.0	28.6	
24 Methyl acetate	43	3.708	3.702	0.006	97	411148	25.0	28.5	
26 3-Chloro-1-propene	41	3.733	3.733	0.000	92	2158514	25.0	27.5	
27 Methylene Chloride	84	3.909	3.897	0.012	93	1207287	25.0	26.9	
* 28 t-Butyl alcohol-d10 (IS)	65	3.909	3.903	0.006	98	94503	50.0	50.0	
29 2-Methyl-2-propanol	59	4.025	4.013	0.012	99	813824	500.0	500.7	
31 Acrylonitrile	53	4.214	4.214	0.000	98	533438	62.5	77.3	
32 Methyl tert-butyl ether	73	4.287	4.275	0.012	96	2690302	25.0	25.8	
33 trans-1,2-Dichloroethene	96	4.300	4.294	0.006	99	1230622	25.0	28.1	
34 Hexane	57	4.720	4.714	0.006	93	1677582	25.0	28.9	
36 1,1-Dichloroethane	63	4.952	4.946	0.006	96	2407999	25.0	28.0	
37 Isopropyl ether	45	5.013	5.001	0.012	95	4217491	25.0	27.1	
38 2-Chloro-1,3-butadiene	53	5.068	5.062	0.006	91	2074567	25.0	29.0	
40 Tert-butyl ethyl ether	59	5.562	5.549	0.013	98	3756951	25.0	26.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
41 2-Butanone (MEK)	43	5.763	5.751	0.012	100	2479715	250.0	271.4	
42 cis-1,2-Dichloroethene	96	5.799	5.793	0.006	83	1402199	25.0	27.5	
43 2,2-Dichloropropane	77	5.812	5.805	0.007	88	1956303	25.0	27.4	
44 Propionitrile	54	5.842	5.836	0.006	99	1466109	500.0	591.7	M
47 Methacrylonitrile	67	6.062	6.055	0.007	93	2762990	250.0	277.4	
48 Chlorobromomethane	128	6.135	6.129	0.006	96	561466	25.0	27.1	
49 Tetrahydrofuran	71	6.153	6.141	0.012	79	356954	125.0	139.1	
S 46 1,2-Dichloroethene, Total	100				0			55.6	
50 Chloroform	83	6.287	6.281	0.006	93	2214256	25.0	27.4	
\$ 52 Dibromofluoromethane (Surr)	113	6.507	6.500	0.007	94	497919	10.0	9.91	
53 1,1,1-Trichloroethane	97	6.519	6.513	0.006	99	1916247	25.0	27.9	
54 Cyclohexane	56	6.622	6.622	0.000	91	2161892	25.0	28.9	
56 Carbon tetrachloride	117	6.738	6.732	0.006	82	1708016	25.0	29.8	
55 1,1-Dichloropropene	75	6.738	6.732	0.006	95	1859535	25.0	28.8	
57 Isobutyl alcohol	41	6.885	6.885	0.000	96	754898	1250.0	1259.2	
\$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.964	6.964	0.000	96	99990	10.0	9.79	
59 Benzene	78	7.000	6.994	0.006	96	5520477	25.0	27.8	
60 1,2-Dichloroethane	62	7.074	7.067	0.007	97	1253315	25.0	26.9	
63 Tert-amyl methyl ether	73	7.202	7.195	0.007	98	3127690	25.0	26.6	
* 64 Fluorobenzene (IS)	96	7.415	7.409	0.006	99	2152918	10.0	10.0	
65 n-Heptane	43	7.433	7.427	0.006	93	1640251	25.0	28.7	a
67 n-Butanol	56	7.787	7.787	0.000	89	1040677	2187.5	2503.9	
68 Trichloroethene	95	7.903	7.897	0.006	98	1379273	25.0	27.8	
69 Methylcyclohexane	83	8.214	8.214	0.000	93	2164475	25.0	30.3	
70 1,2-Dichloropropane	63	8.238	8.232	0.006	98	1387692	25.0	27.6	
71 2-ethoxy-2-methyl butane	87	8.256	8.250	0.006	91	2048574	25.0	27.5	
73 1,4-Dioxane	88	8.329	8.329	0.000	31	100171	1250.0	1353.3	M
72 Methyl methacrylate	69	8.329	8.329	0.000	91	553281	25.0	29.4	
74 Dibromomethane	93	8.348	8.348	0.000	95	571213	25.0	27.2	
76 Dichlorobromomethane	83	8.592	8.585	0.007	99	1576851	25.0	28.2	
77 2-Nitropropane	41	8.854	8.854	0.000	97	801242	125.0	130.8	
79 1-Bromo-2-chloroethane	63	8.988	8.988	0.000	99	1272855	25.0	27.6	
80 cis-1,3-Dichloropropene	75	9.158	9.152	0.006	95	2016647	25.0	28.5	
82 4-Methyl-2-pentanone (MIBK)	43	9.341	9.335	0.006	97	6868110	250.0	273.1	
\$ 83 Toluene-d8 (Surr)	98	9.482	9.475	0.007	94	2123824	10.0	10.0	
84 Toluene	92	9.561	9.561	0.000	98	3409369	25.0	28.1	
85 trans-1,3-Dichloropropene	75	9.835	9.835	0.000	93	1591072	25.0	28.5	
104 Ethyl methacrylate	69	9.902	9.902	0.000	90	1235192	25.0	27.6	
106 1,1,2-Trichloroethane	97	10.049	10.042	0.007	90	797441	25.0	25.9	
S 105 1,3-Dichloropropene, Total	100				0			57.0	
107 Tetrachloroethene	166	10.140	10.134	0.006	98	1576140	25.0	28.7	
108 1,3-Dichloropropane	76	10.213	10.213	0.000	91	1469461	25.0	27.2	
109 2-Hexanone	43	10.268	10.268	0.000	97	4671399	250.0	290.0	
111 Chlorodibromomethane	129	10.433	10.433	0.000	90	1066114	25.0	29.1	
112 Ethylene Dibromide	107	10.548	10.548	0.000	99	767665	25.0	27.4	
* 113 Chlorobenzene-d5 (IS)	117	10.993	10.993	0.000	86	1542964	10.0	10.0	
114 1-Chlorohexane	91	11.006	11.006	0.000	99	1872671	25.0	27.1	
115 Chlorobenzene	112	11.018	11.018	0.000	95	3679485	25.0	28.1	
116 1,1,1,2-Tetrachloroethane	131	11.103	11.103	0.000	98	1291098	25.0	28.4	
117 Ethylbenzene	91	11.109	11.109	0.000	99	6753201	25.0	28.6	
119 m-Xylene & p-Xylene	106	11.231	11.225	0.006	99	5227396	50.0	57.2	
S 118 Xylenes, Total	106				0			85.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
120 o-Xylene	106	11.567	11.560	0.007	97	2495057	25.0	28.1	
121 Styrene	104	11.579	11.579	0.000	95	4079075	25.0	28.3	
122 Bromoform	173	11.737	11.737	0.000	98	625785	25.0	30.8	
123 Isopropylbenzene	105	11.871	11.871	0.000	96	6001755	25.0	28.6	
\$ 126 4-Bromofluorobenzene (Surr)	95	12.018	12.012	0.006	92	758031	10.0	10.0	
127 1,1,2,2-Tetrachloroethane	83	12.115	12.115	0.000	92	992034	25.0	25.8	M
128 Bromobenzene	156	12.133	12.134	-0.001	95	1499730	25.0	27.0	
129 trans-1,4-Dichloro-2-butene	53	12.146	12.140	0.006	90	2573053	250.0	304.2	
130 1,2,3-Trichloropropane	110	12.164	12.164	0.000	80	253788	25.0	27.2	
131 N-Propylbenzene	91	12.207	12.201	0.006	99	8022866	25.0	28.6	
132 2-Chlorotoluene	126	12.280	12.280	0.000	97	1575287	25.0	28.6	
133 1,3,5-Trimethylbenzene	105	12.341	12.341	0.000	94	5684032	25.0	28.8	
134 4-Chlorotoluene	126	12.371	12.371	0.000	98	1600788	25.0	28.4	
135 tert-Butylbenzene	134	12.585	12.585	0.000	94	1314199	25.0	29.2	
136 Pentachloroethane	167	12.615	12.615	0.000	94	1063535	25.0	29.8	
137 1,2,4-Trimethylbenzene	105	12.627	12.627	0.000	97	5788353	25.0	28.8	
138 sec-Butylbenzene	105	12.749	12.749	0.000	94	7291823	25.0	28.9	
139 1,3-Dichlorobenzene	146	12.847	12.847	0.000	98	3077602	25.0	28.2	
140 4-Isopropyltoluene	119	12.859	12.859	0.000	97	6517695	25.0	29.5	
* 141 1,4-Dichlorobenzene-d4	152	12.908	12.908	0.000	93	878058	10.0	10.0	
142 1,4-Dichlorobenzene	146	12.926	12.926	0.000	96	3080229	25.0	27.6	
143 1,2,3-Trimethylbenzene	120	12.932	12.932	0.000	99	2526546	25.0	27.8	
144 Benzyl chloride	126	12.999	12.999	0.000	99	441034	25.0	28.4	
145 p-Diethylbenzene	119	13.133	13.133	0.000	96	3883407	25.0	29.2	
146 n-Butylbenzene	92	13.158	13.158	0.000	98	3073736	25.0	30.1	
147 1,2-Dichlorobenzene	146	13.182	13.182	0.000	99	2740282	25.0	28.1	
149 1,2-Dibromo-3-Chloropropane	155	13.731	13.731	0.000	89	149245	25.0	29.3	
150 1,3,5-Trichlorobenzene	180	13.859	13.859	0.000	98	2379362	25.0	29.3	
151 1,2,4-Trichlorobenzene	180	14.286	14.286	0.000	94	2019000	25.0	29.0	
152 Hexachlorobutadiene	225	14.365	14.371	-0.006	95	849290	25.0	30.2	
153 Naphthalene	128	14.462	14.462	0.000	97	3255883	25.0	27.1	
154 1,2,3-Trichlorobenzene	180	14.603	14.603	0.000	96	1702491	25.0	28.2	
157 Pentane	43		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_LL_#1_826_00150

Amount Added: 25.00

Units: uL

MSV_LL_GAS826_00238

Amount Added: 25.00

Units: uL

MSV_LL_#2_826_00157

Amount Added: 25.00

Units: uL

MSV_LLcentISS_00014

Amount Added: 5.00

Units: uL

Run Reagent

Report Date: 17-Oct-2024 09:45:10

Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X18.D

Injection Date: 15-Oct-2024 00:00:30

Instrument ID: 19094

Operator ID: gaw91131

Lims ID: IC std7 25

Worklist Smp#: 19

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

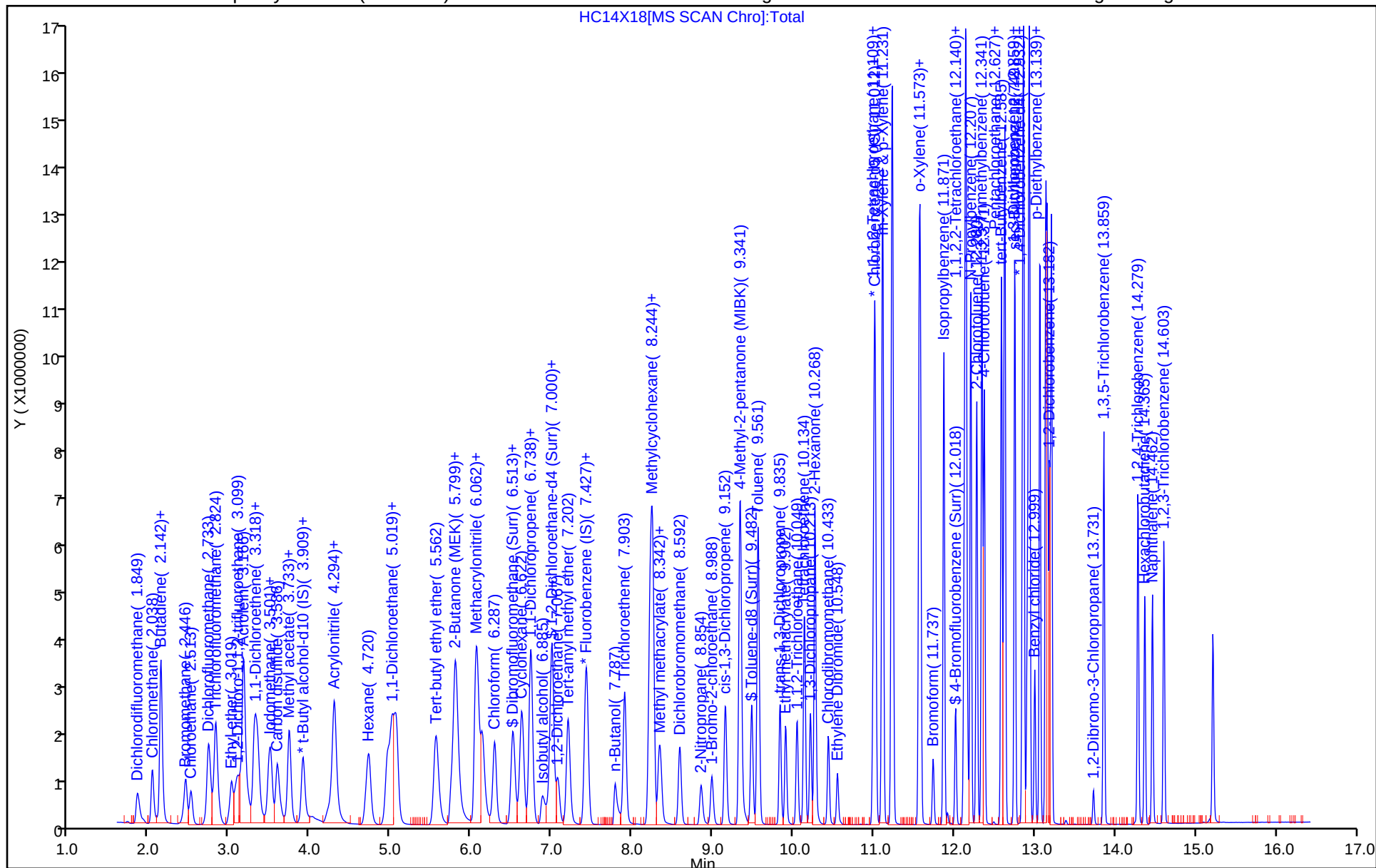
ALS Bottle#: 18

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

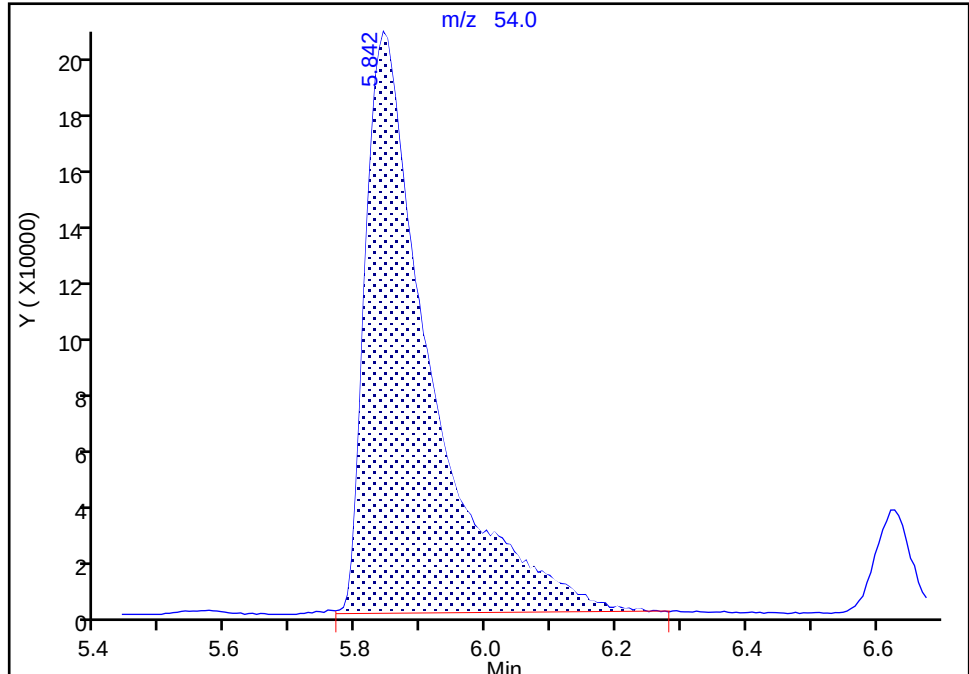
Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X18.D
Injection Date: 15-Oct-2024 00:00:30 Instrument ID: 19094
Lims ID: IC std7 25
Client ID:
Operator ID: gaw91131 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

44 Propionitrile, CAS: 107-12-0

Signal: 1

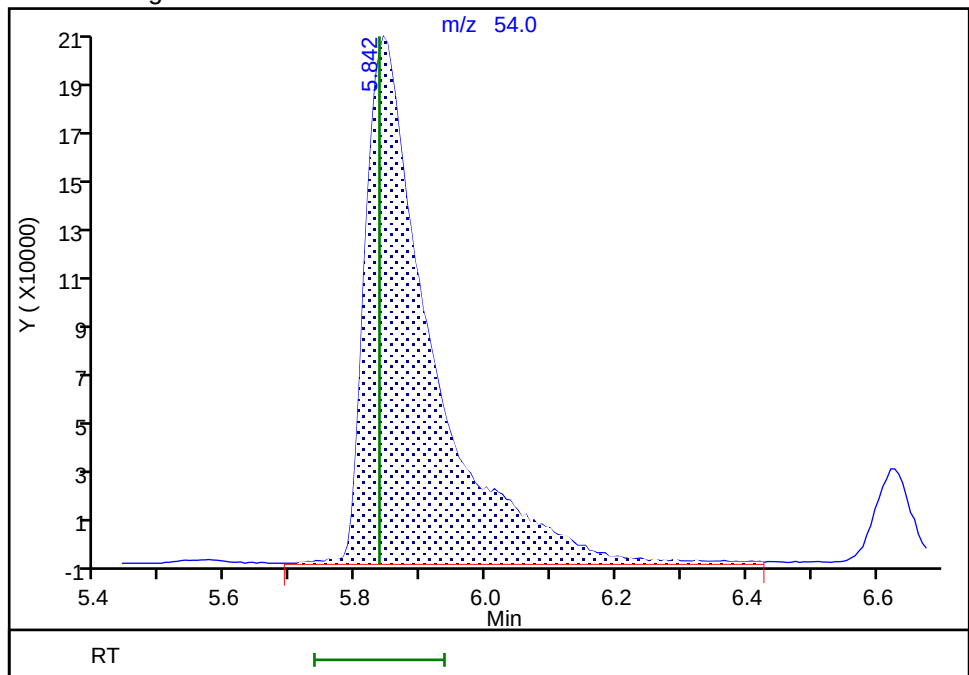
RT: 5.84
Area: 1437626
Amount: 504.8541
Amount Units: ug/l

Processing Integration Results



RT: 5.84
Area: 1466109
Amount: 591.7304
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 15-Oct-2024 08:14:55 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

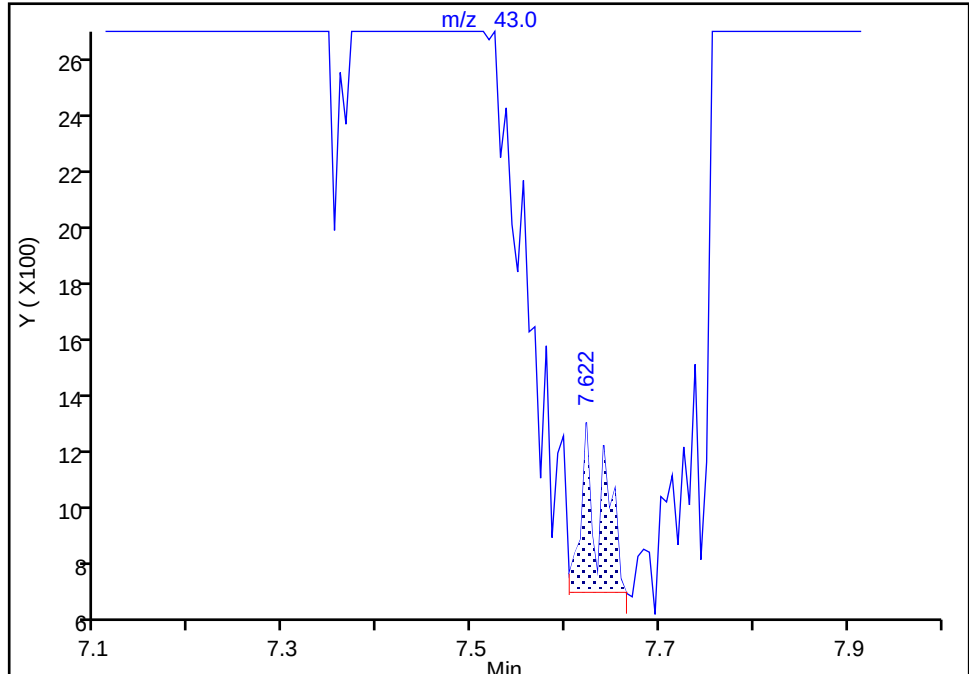
Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X18.D
Injection Date: 15-Oct-2024 00:00:30 Instrument ID: 19094
Lims ID: IC std7 25
Client ID:
Operator ID: gaw91131 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

65 n-Heptane, CAS: 142-82-5

Signal: 1

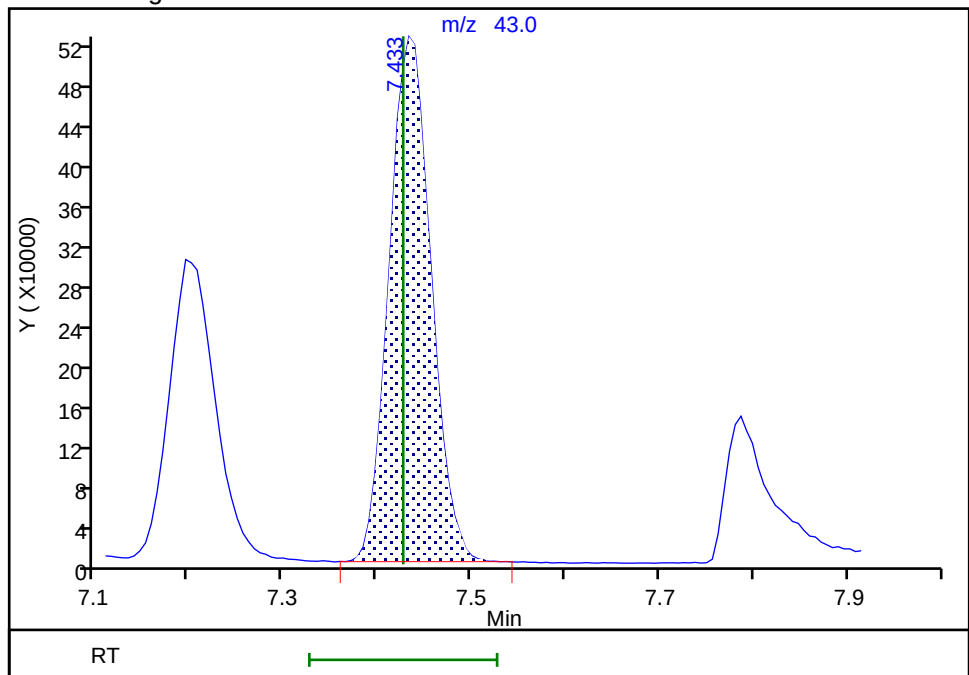
RT: 7.62
Area: 874
Amount: 0.022368
Amount Units: ug/l

Processing Integration Results



RT: 7.43
Area: 1640251
Amount: 28.692822
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 15-Oct-2024 08:08:43 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

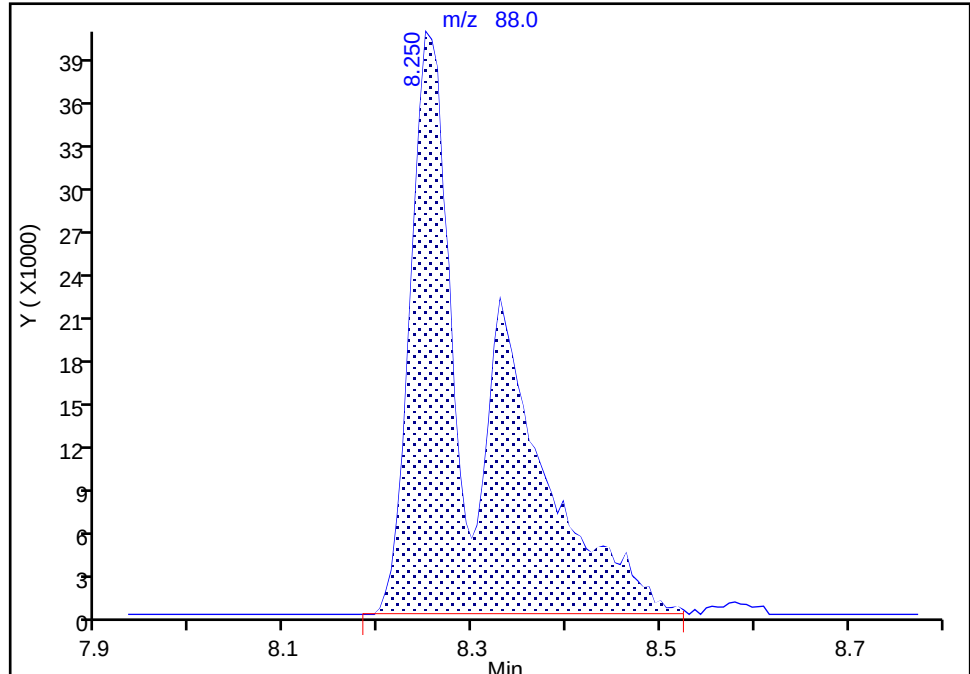
Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X18.D
Injection Date: 15-Oct-2024 00:00:30 Instrument ID: 19094
Lims ID: IC std7 25
Client ID:
Operator ID: gaw91131 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

73 1,4-Dioxane, CAS: 123-91-1

Signal: 1

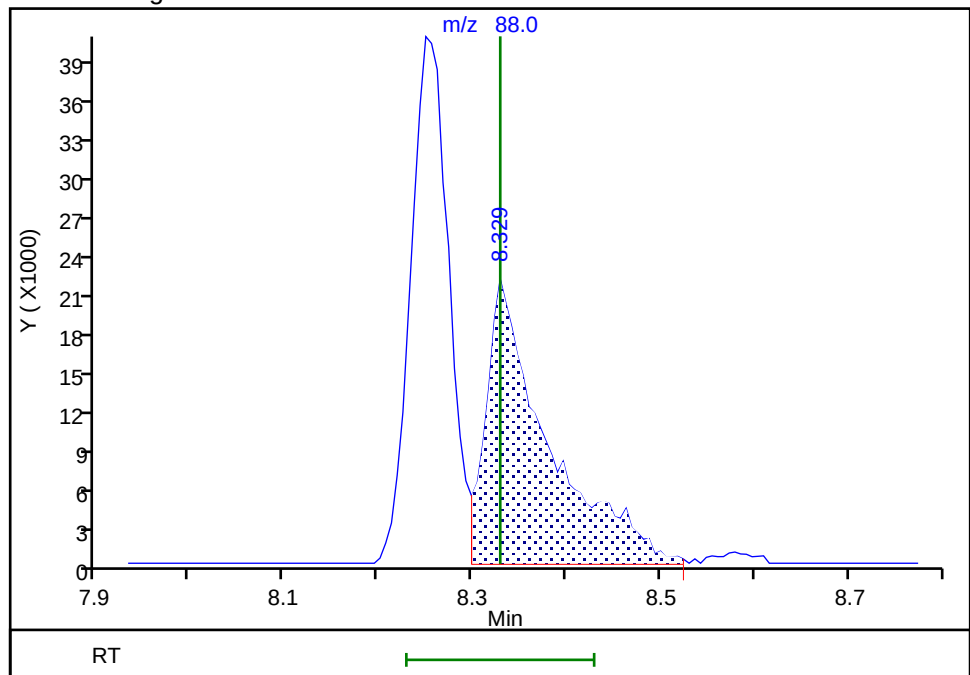
RT: 8.25
Area: 213435
Amount: 1250.2103
Amount Units: ug/l

Processing Integration Results



RT: 8.33
Area: 100171
Amount: 1353.3088
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 15-Oct-2024 08:08:52 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

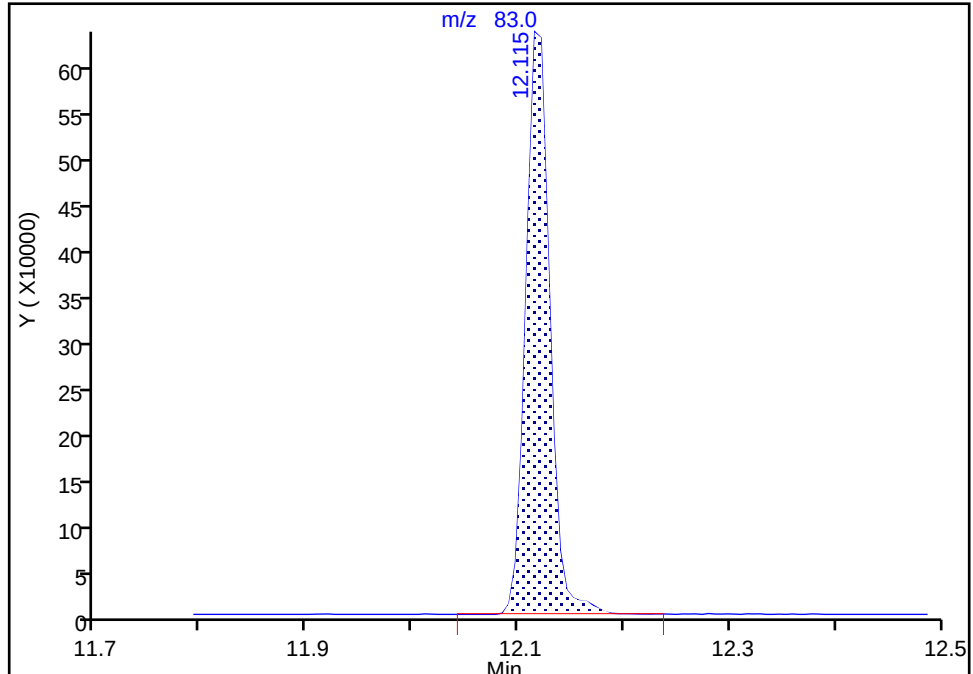
Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X18.D
Injection Date: 15-Oct-2024 00:00:30 Instrument ID: 19094
Lims ID: IC std7 25
Client ID:
Operator ID: gaw91131 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

127 1,1,2,2-Tetrachloroethane, CAS: 79-34-5
Signal: 1

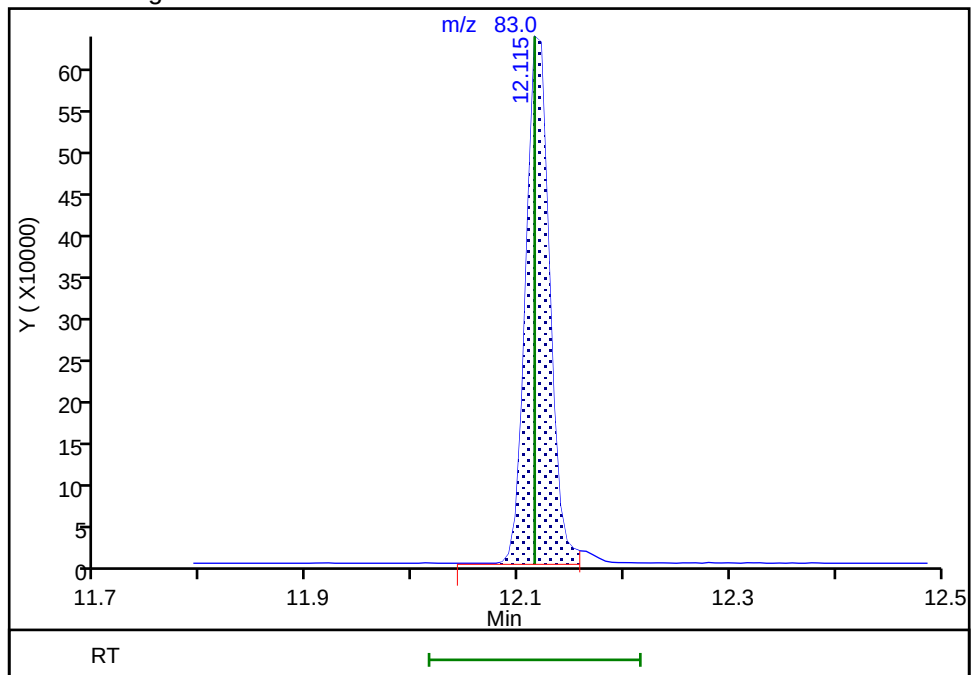
RT: 12.12
Area: 1006334
Amount: 26.122452
Amount Units: ug/l

Processing Integration Results



RT: 12.12
Area: 992034
Amount: 25.805991
Amount Units: ug/l

Manual Integration Results



Reviewer: UKEK, 17-Oct-2024 08:55:13 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Baseline

Calibration

/ Dichlorodifluoromethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

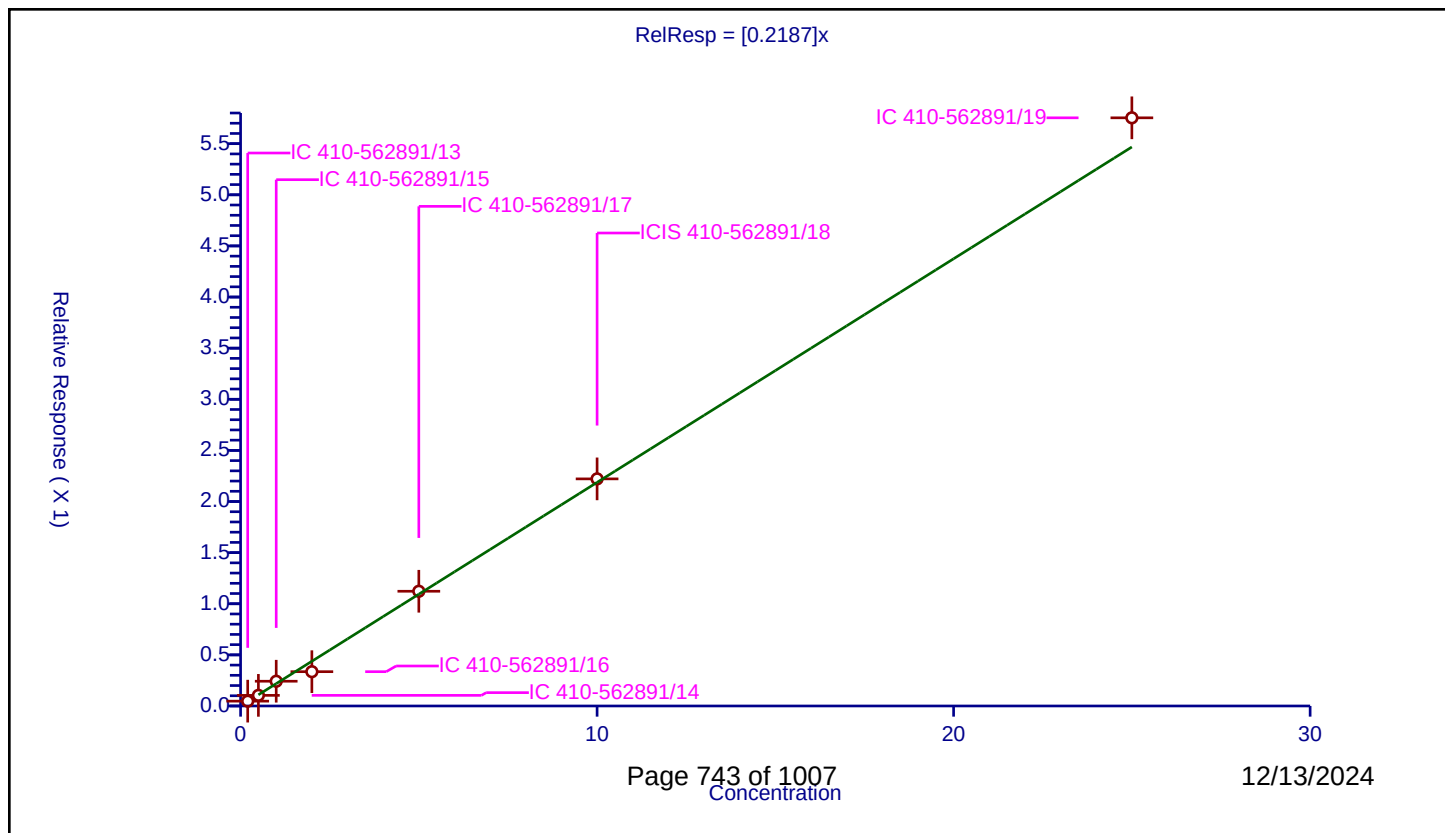
Curve Coefficients

Intercept: 0
Slope: 0.2187

Error Coefficients

Relative Standard Deviation: 11.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.047264	10.0	2082750.0	0.236322	Y
2	IC 410-562891/14	0.5	0.104011	10.0	2073531.0	0.208022	Y
3	IC 410-562891/15	1.0	0.24207	10.0	2064073.0	0.24207	Y
4	IC 410-562891/16	2.0	0.335682	10.0	2072912.0	0.167841	Y
5	IC 410-562891/17	5.0	1.122348	10.0	2077057.0	0.22447	Y
6	ICIS 410-562891/18	10.0	2.221389	10.0	2106583.0	0.222139	Y
7	IC 410-562891/19	25.0	5.753052	10.0	2152918.0	0.230122	Y



Calibration

/ Chloromethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

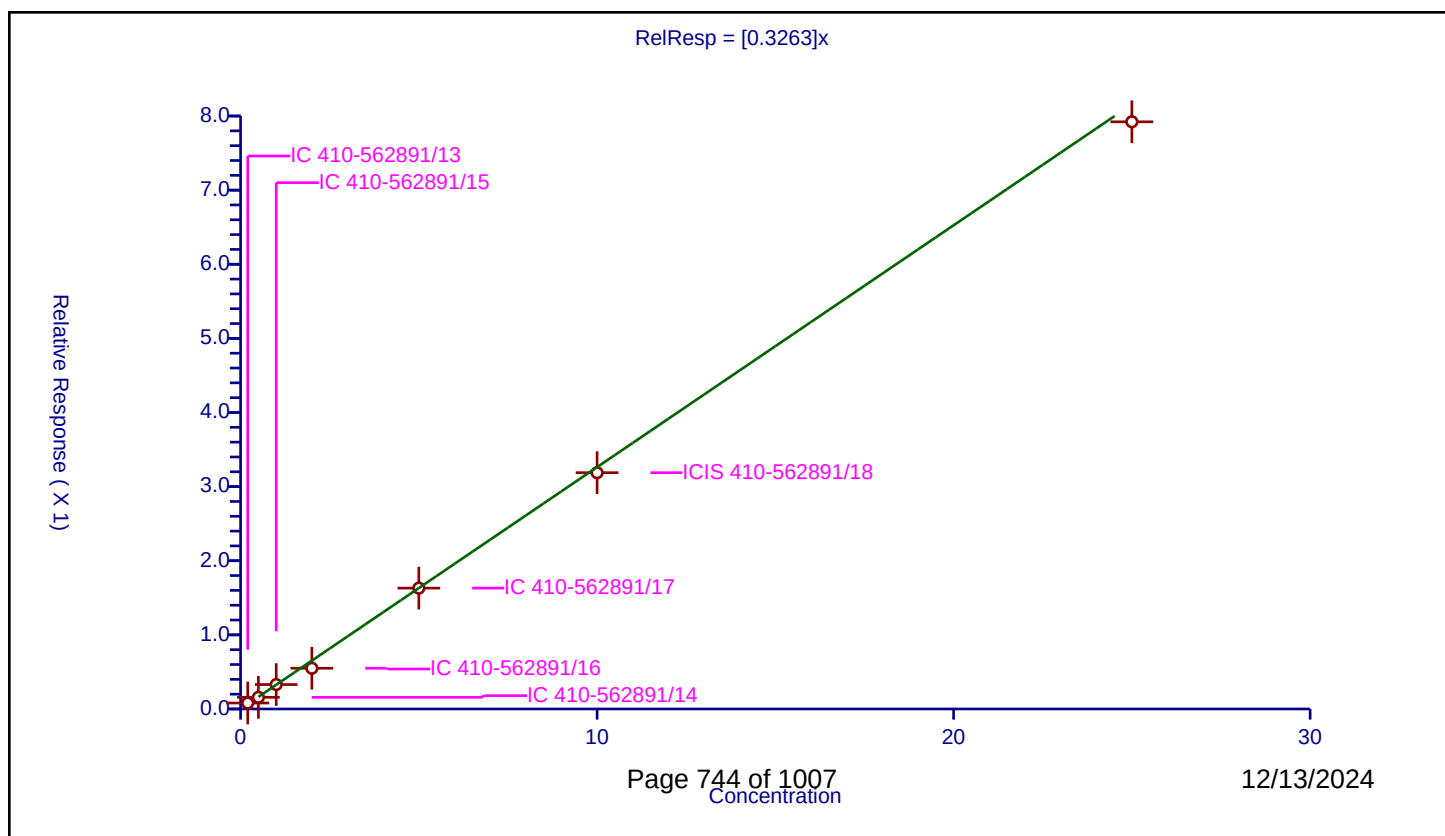
Curve Coefficients

Intercept: 0
Slope: 0.3263

Error Coefficients

Relative Standard Deviation: 11.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.080552	10.0	2082750.0	0.402761	Y
2	IC 410-562891/14	0.5	0.157572	10.0	2073531.0	0.315144	Y
3	IC 410-562891/15	1.0	0.32962	10.0	2064073.0	0.32962	Y
4	IC 410-562891/16	2.0	0.549411	10.0	2072912.0	0.274705	Y
5	IC 410-562891/17	5.0	1.630494	10.0	2077057.0	0.326099	Y
6	ICIS 410-562891/18	10.0	3.188035	10.0	2106583.0	0.318803	Y
7	IC 410-562891/19	25.0	7.922048	10.0	2152918.0	0.316882	Y



Calibration

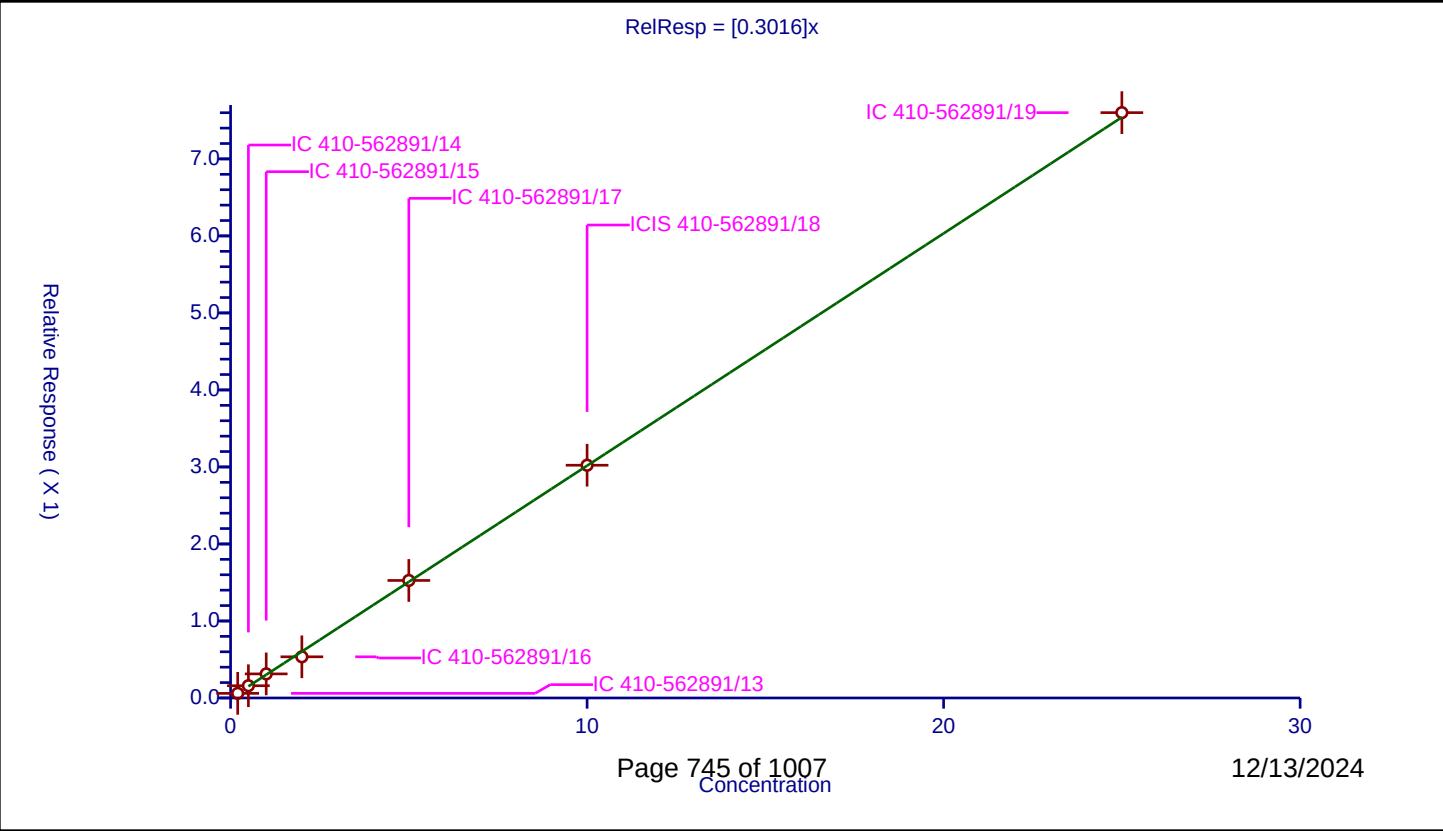
/ Butadiene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.3016
Error Coefficients	

Relative Standard Deviation: 5.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.060218	10.0	2082750.0	0.301092	Y
2	IC 410-562891/14	0.5	0.159279	10.0	2073531.0	0.318558	Y
3	IC 410-562891/15	1.0	0.312862	10.0	2064073.0	0.312862	Y
4	IC 410-562891/16	2.0	0.534919	10.0	2072912.0	0.267459	Y
5	IC 410-562891/17	5.0	1.526102	10.0	2077057.0	0.30522	Y
6	ICIS 410-562891/18	10.0	3.022406	10.0	2106583.0	0.302241	Y
7	IC 410-562891/19	25.0	7.601061	10.0	2152918.0	0.304042	Y



Calibration

/ Vinyl chloride

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

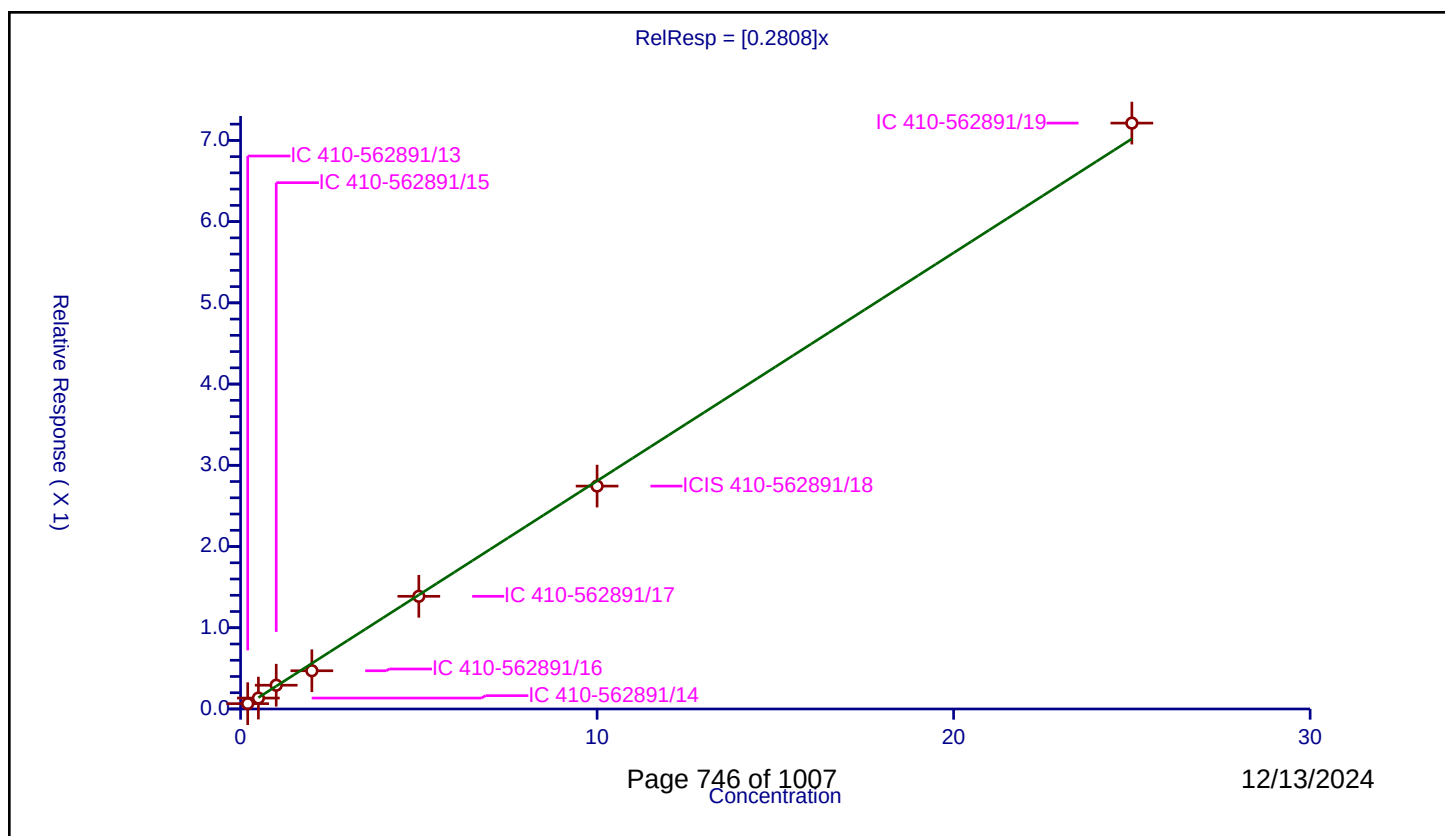
Curve Coefficients

Intercept: 0
 Slope: 0.2808

Error Coefficients

Relative Standard Deviation: 10.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.065668	10.0	2082750.0	0.32834	Y
2	IC 410-562891/14	0.5	0.134389	10.0	2073531.0	0.268778	Y
3	IC 410-562891/15	1.0	0.292746	10.0	2064073.0	0.292746	Y
4	IC 410-562891/16	2.0	0.470575	10.0	2072912.0	0.235287	Y
5	IC 410-562891/17	5.0	1.387141	10.0	2077057.0	0.277428	Y
6	ICIS 410-562891/18	10.0	2.743979	10.0	2106583.0	0.274398	Y
7	IC 410-562891/19	25.0	7.212769	10.0	2152918.0	0.288511	Y



Calibration

/ Bromomethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

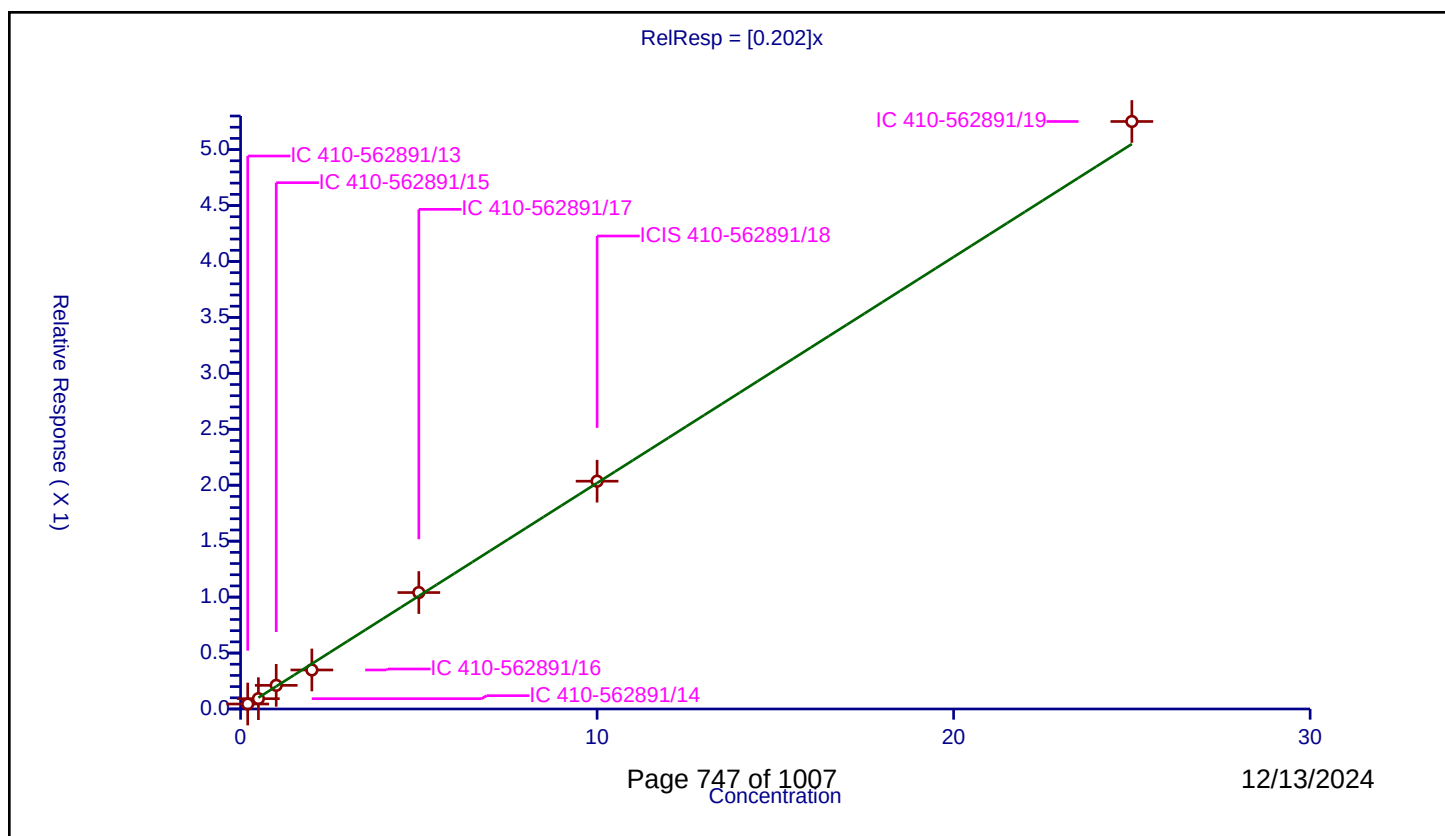
Curve Coefficients

Intercept: 0
Slope: 0.202

Error Coefficients

Relative Standard Deviation: 8.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.044489	10.0	2082750.0	0.222446	Y
2	IC 410-562891/14	0.5	0.092007	10.0	2073531.0	0.184015	Y
3	IC 410-562891/15	1.0	0.211276	10.0	2064073.0	0.211276	Y
4	IC 410-562891/16	2.0	0.348833	10.0	2072912.0	0.174416	Y
5	IC 410-562891/17	5.0	1.040694	10.0	2077057.0	0.208139	Y
6	ICIS 410-562891/18	10.0	2.036003	10.0	2106583.0	0.2036	Y
7	IC 410-562891/19	25.0	5.251199	10.0	2152918.0	0.210048	Y



Calibration

/ Chloroethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

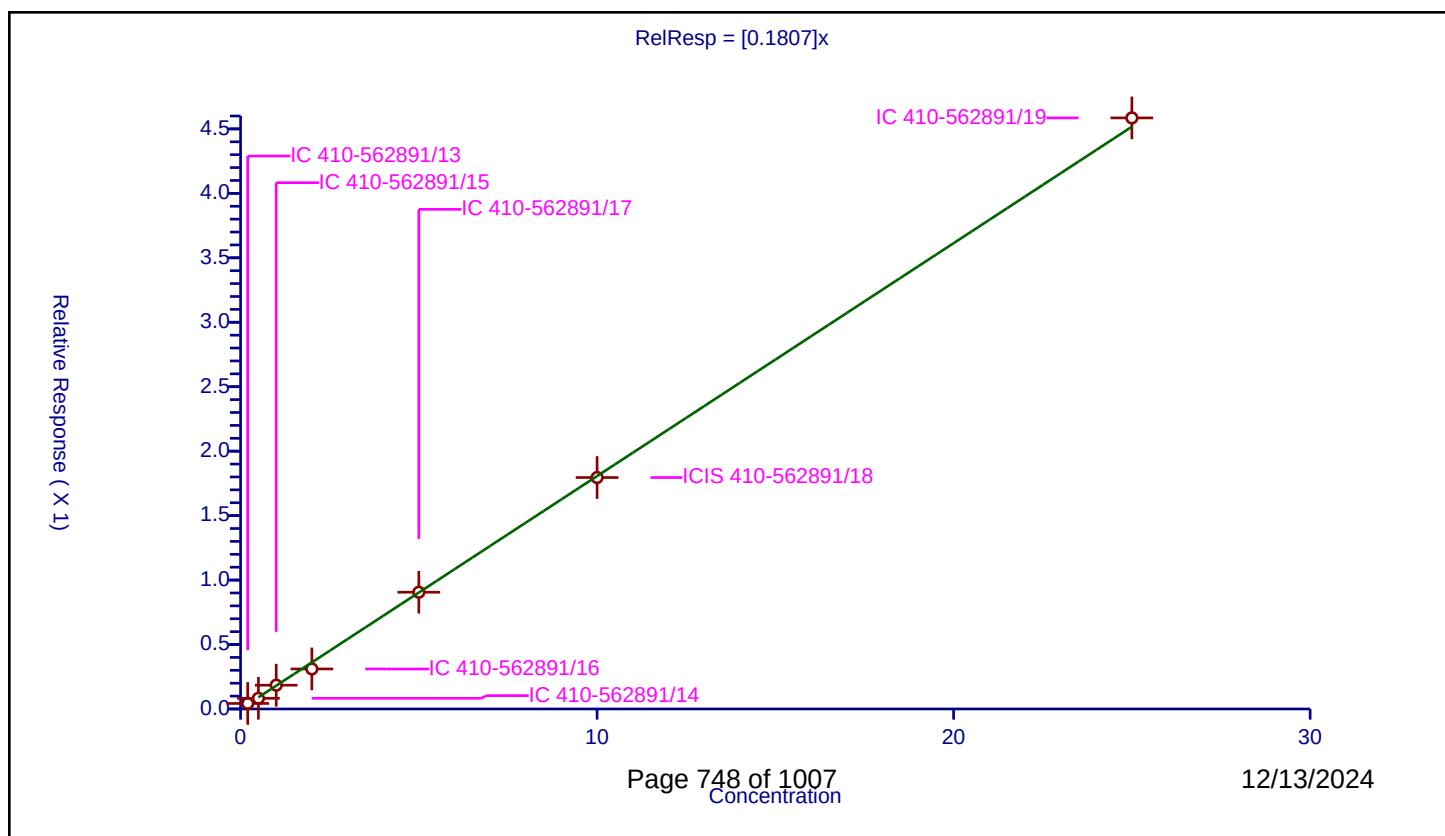
Curve Coefficients

Intercept: 0
Slope: 0.1807

Error Coefficients

Relative Standard Deviation: 10.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.042967	10.0	2082750.0	0.214836	Y
2	IC 410-562891/14	0.5	0.082892	10.0	2073531.0	0.165785	Y
3	IC 410-562891/15	1.0	0.184645	10.0	2064073.0	0.184645	Y
4	IC 410-562891/16	2.0	0.310703	10.0	2072912.0	0.155352	Y
5	IC 410-562891/17	5.0	0.905705	10.0	2077057.0	0.181141	Y
6	ICIS 410-562891/18	10.0	1.795481	10.0	2106583.0	0.179548	Y
7	IC 410-562891/19	25.0	4.585242	10.0	2152918.0	0.18341	Y



Calibration

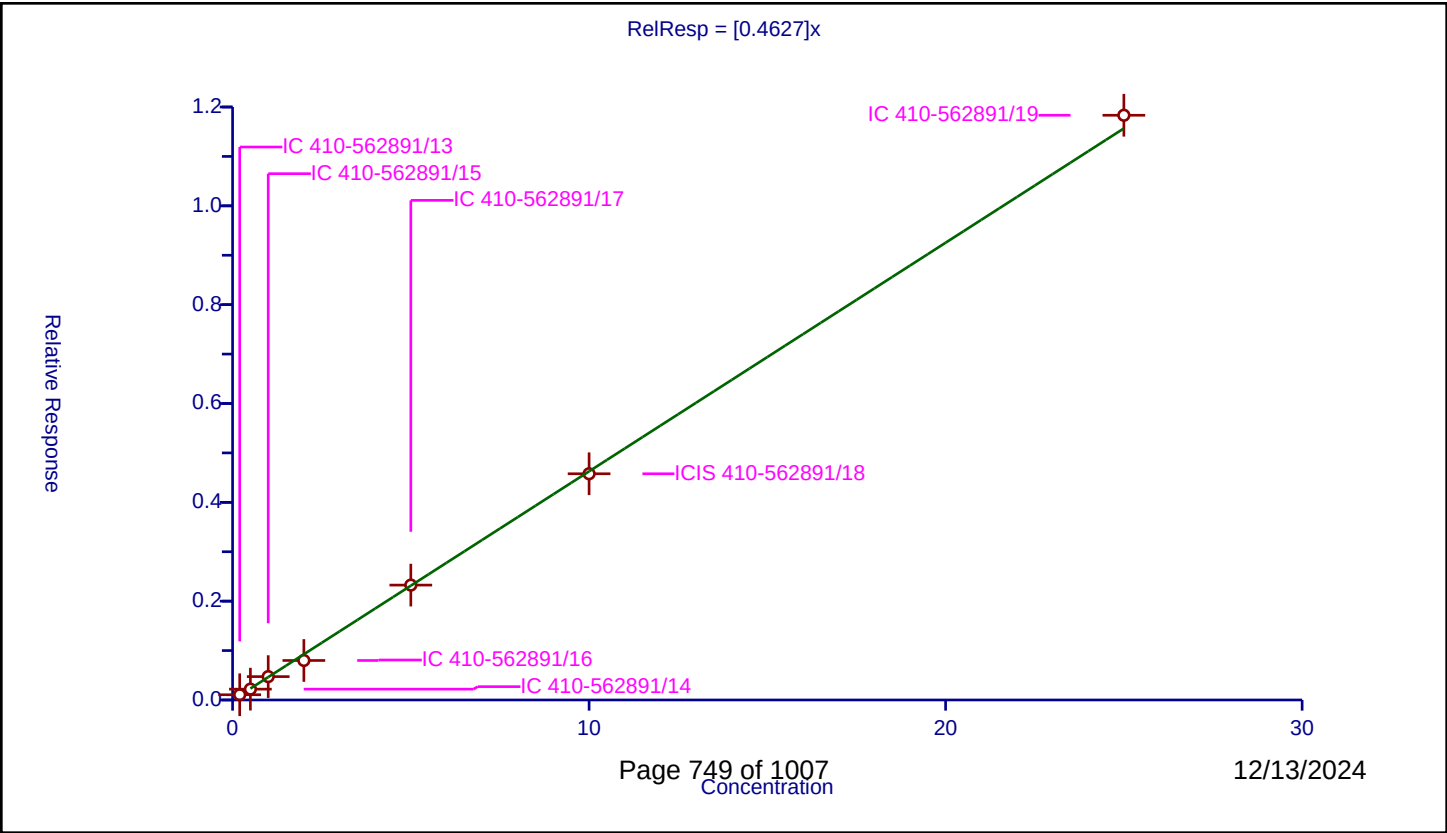
/ Dichlorofluoromethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.4627
Error Coefficients	

Relative Standard Deviation: 8.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.106091	10.0	2082750.0	0.530453	Y
2	IC 410-562891/14	0.5	0.219616	10.0	2073531.0	0.439231	Y
3	IC 410-562891/15	1.0	0.47307	10.0	2064073.0	0.47307	Y
4	IC 410-562891/16	2.0	0.799527	10.0	2072912.0	0.399764	Y
5	IC 410-562891/17	5.0	2.325319	10.0	2077057.0	0.465064	Y
6	ICIS 410-562891/18	10.0	4.57813	10.0	2106583.0	0.457813	Y
7	IC 410-562891/19	25.0	11.833177	10.0	2152918.0	0.473327	Y



Calibration

/ Trichlorofluoromethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

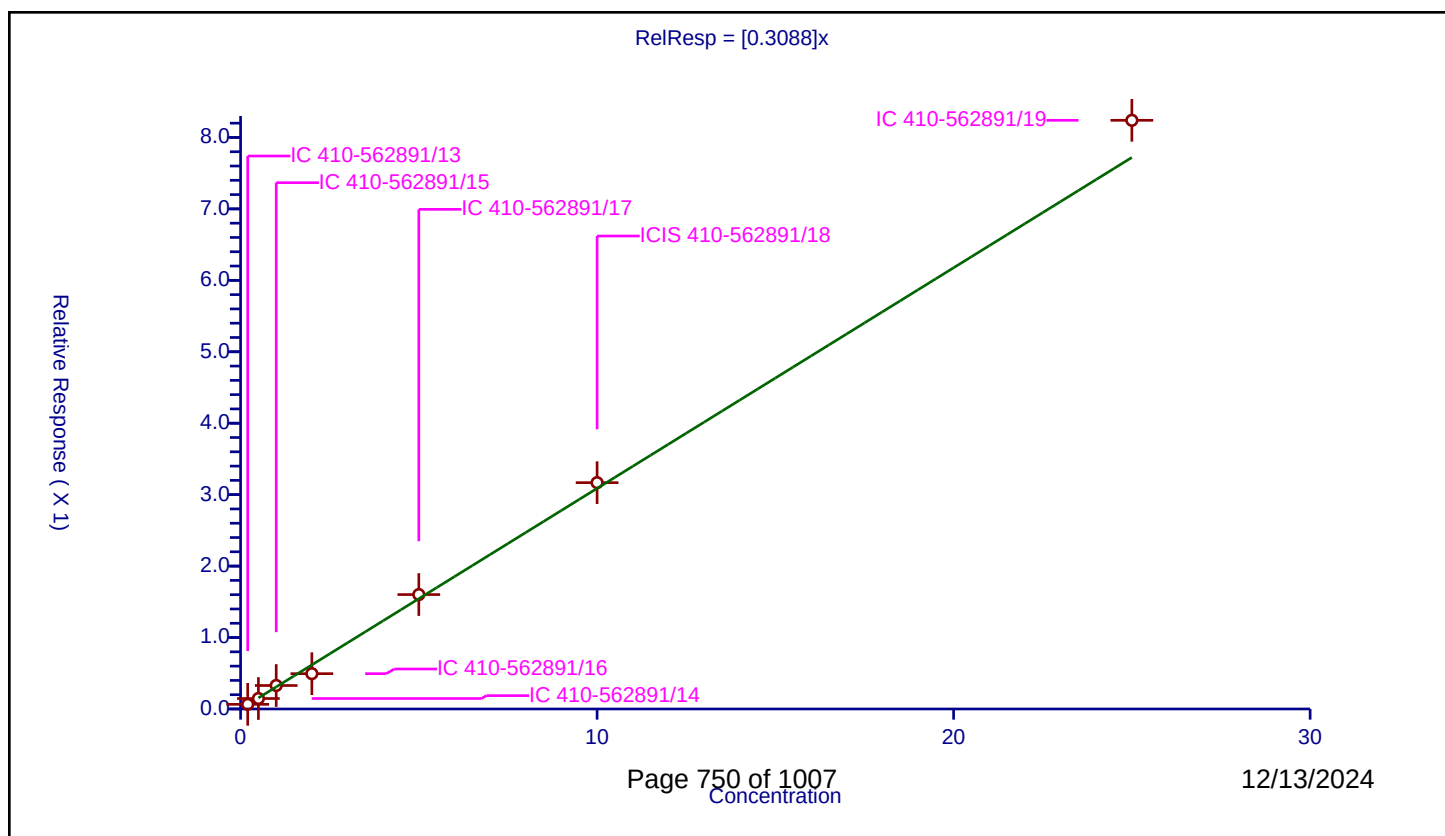
Curve Coefficients

Intercept: 0
Slope: 0.3088

Error Coefficients

Relative Standard Deviation: 9.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.06513	10.0	2082750.0	0.325651	Y
2	IC 410-562891/14	0.5	0.146629	10.0	2073531.0	0.293258	Y
3	IC 410-562891/15	1.0	0.328763	10.0	2064073.0	0.328763	Y
4	IC 410-562891/16	2.0	0.49443	10.0	2072912.0	0.247215	Y
5	IC 410-562891/17	5.0	1.60141	10.0	2077057.0	0.320282	Y
6	ICIS 410-562891/18	10.0	3.168017	10.0	2106583.0	0.316802	Y
7	IC 410-562891/19	25.0	8.239845	10.0	2152918.0	0.329594	Y



Calibration

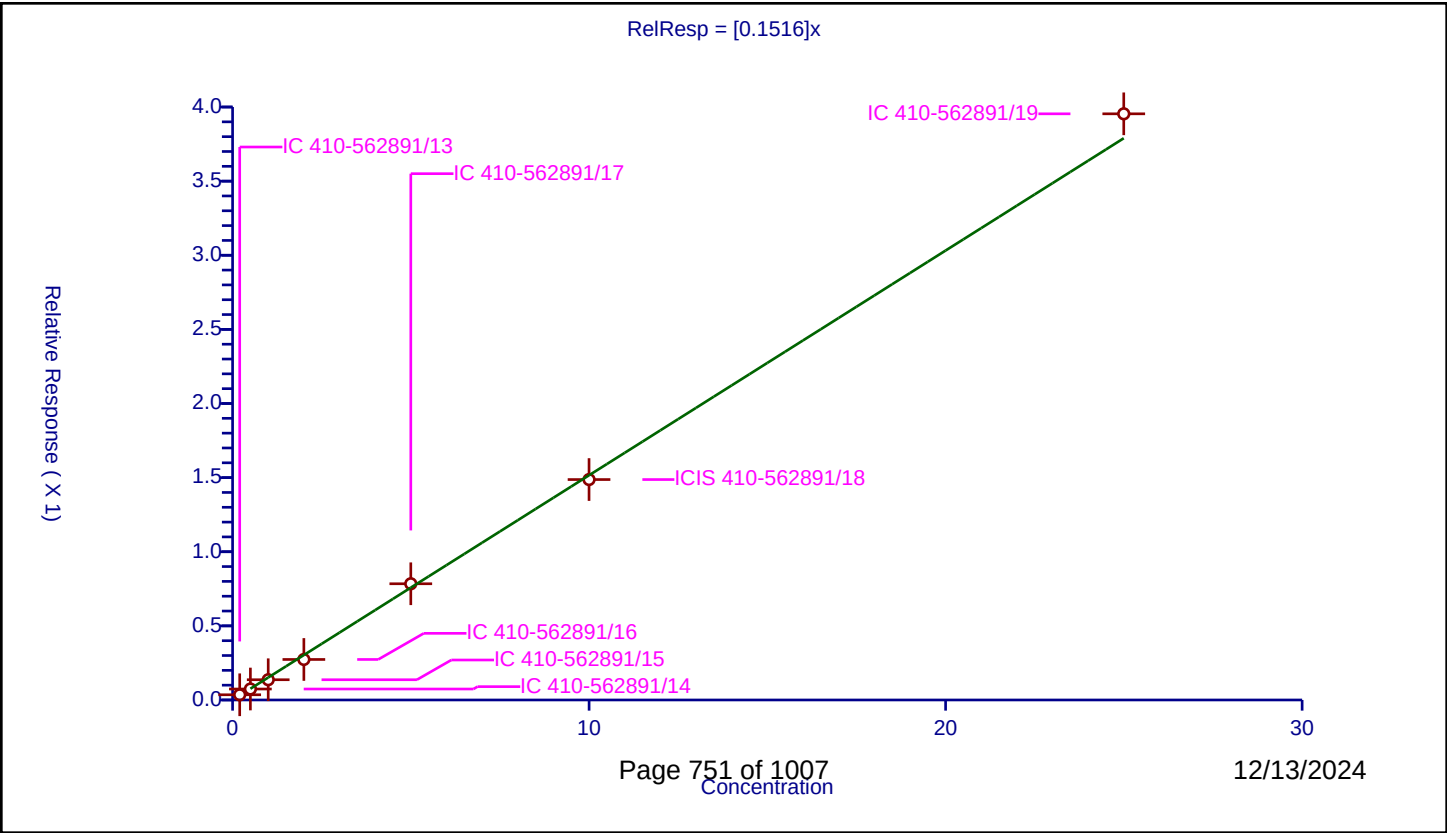
/ Ethyl ether

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.1516
Error Coefficients	

Relative Standard Deviation: 9.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.199979	0.035194	10.0	2082750.0	0.175987	Y
2	IC 410-562891/14	0.499948	0.074062	10.0	2073531.0	0.148139	Y
3	IC 410-562891/15	0.999897	0.136565	10.0	2064073.0	0.136579	Y
4	IC 410-562891/16	1.999794	0.27333	10.0	2072912.0	0.136679	Y
5	IC 410-562891/17	4.999484	0.784047	10.0	2077057.0	0.156826	Y
6	ICIS 410-562891/18	9.998968	1.486963	10.0	2106583.0	0.148712	Y
7	IC 410-562891/19	24.99742	3.95414	10.0	2152918.0	0.158182	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

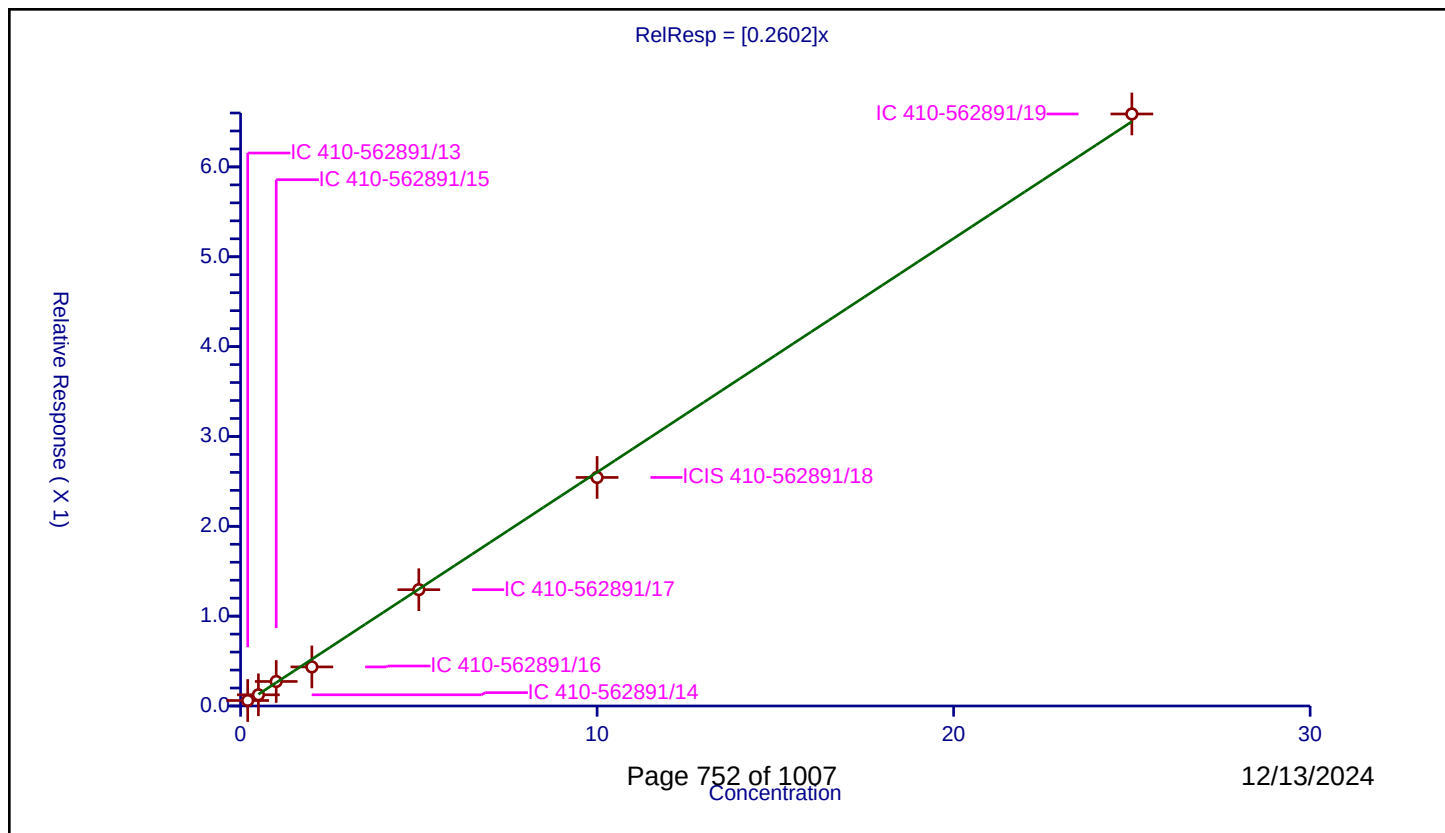
Curve Coefficients

Intercept: 0
 Slope: 0.2602

Error Coefficients

Relative Standard Deviation: 10.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.061054	10.0	2082750.0	0.305269	Y
2	IC 410-562891/14	0.5	0.124382	10.0	2073531.0	0.248764	Y
3	IC 410-562891/15	1.0	0.272786	10.0	2064073.0	0.272786	Y
4	IC 410-562891/16	2.0	0.435117	10.0	2072912.0	0.217559	Y
5	IC 410-562891/17	5.0	1.294678	10.0	2077057.0	0.258936	Y
6	ICIS 410-562891/18	10.0	2.543778	10.0	2106583.0	0.254378	Y
7	IC 410-562891/19	25.0	6.589331	10.0	2152918.0	0.263573	Y



Calibration

/ Acrolein

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

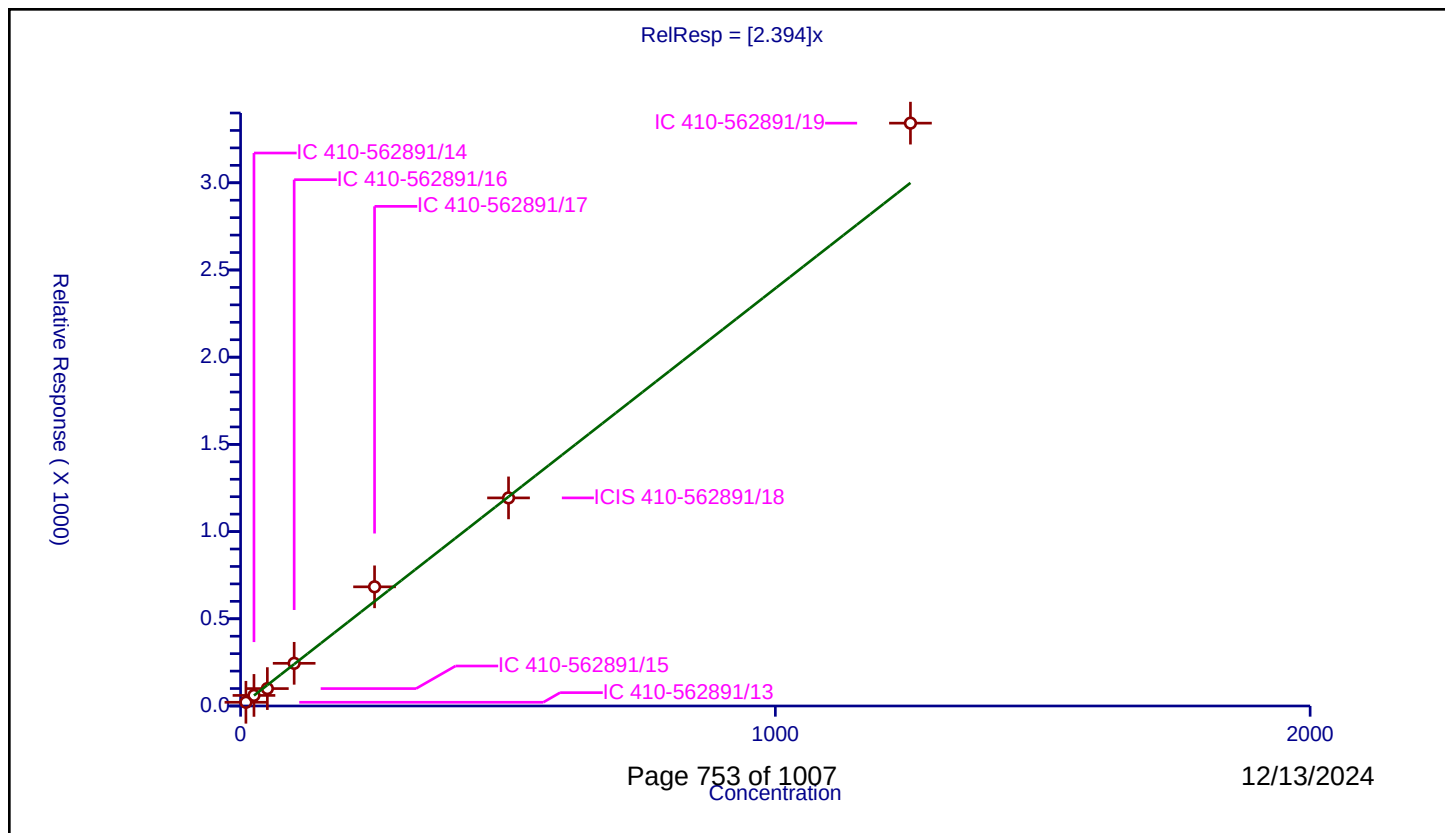
Curve Coefficients

Intercept: 0
Slope: 2.394

Error Coefficients

Relative Standard Deviation: 11.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	10.021277	21.380244	50.0	89716.0	2.133485	Y
2	IC 410-562891/14	25.053194	60.601818	50.0	93201.0	2.418926	Y
3	IC 410-562891/15	50.106387	99.696311	50.0	100267.0	1.989693	Y
4	IC 410-562891/16	100.212774	244.792383	50.0	93056.0	2.442726	Y
5	IC 410-562891/17	250.531936	683.26066	50.0	95404.0	2.72724	Y
6	ICIS 410-562891/18	501.063872	1193.135021	50.0	108835.0	2.381203	Y
7	IC 410-562891/19	1252.65968	3341.892321	50.0	94503.0	2.667837	Y



Calibration

/ 1,1-Dichloroethene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

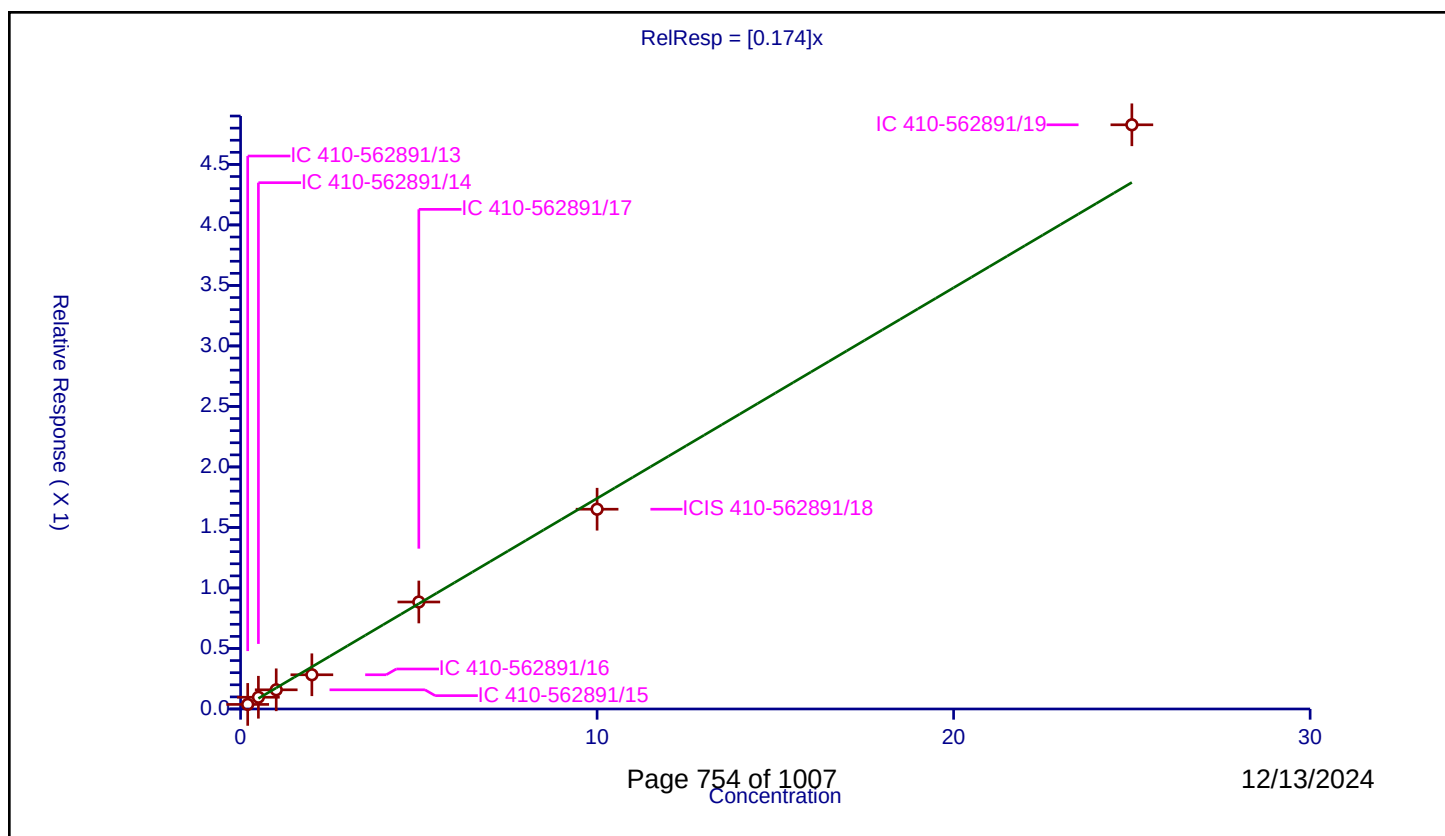
Curve Coefficients

Intercept: 0
Slope: 0.174

Error Coefficients

Relative Standard Deviation: 11.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.037815	10.0	2082750.0	0.189077	Y
2	IC 410-562891/14	0.5	0.097143	10.0	2073531.0	0.194287	Y
3	IC 410-562891/15	1.0	0.158512	10.0	2064073.0	0.158512	Y
4	IC 410-562891/16	2.0	0.282829	10.0	2072912.0	0.141415	Y
5	IC 410-562891/17	5.0	0.884208	10.0	2077057.0	0.176842	Y
6	ICIS 410-562891/18	10.0	1.650901	10.0	2106583.0	0.16509	Y
7	IC 410-562891/19	25.0	4.827411	10.0	2152918.0	0.193096	Y



Calibration

/ Acetone

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

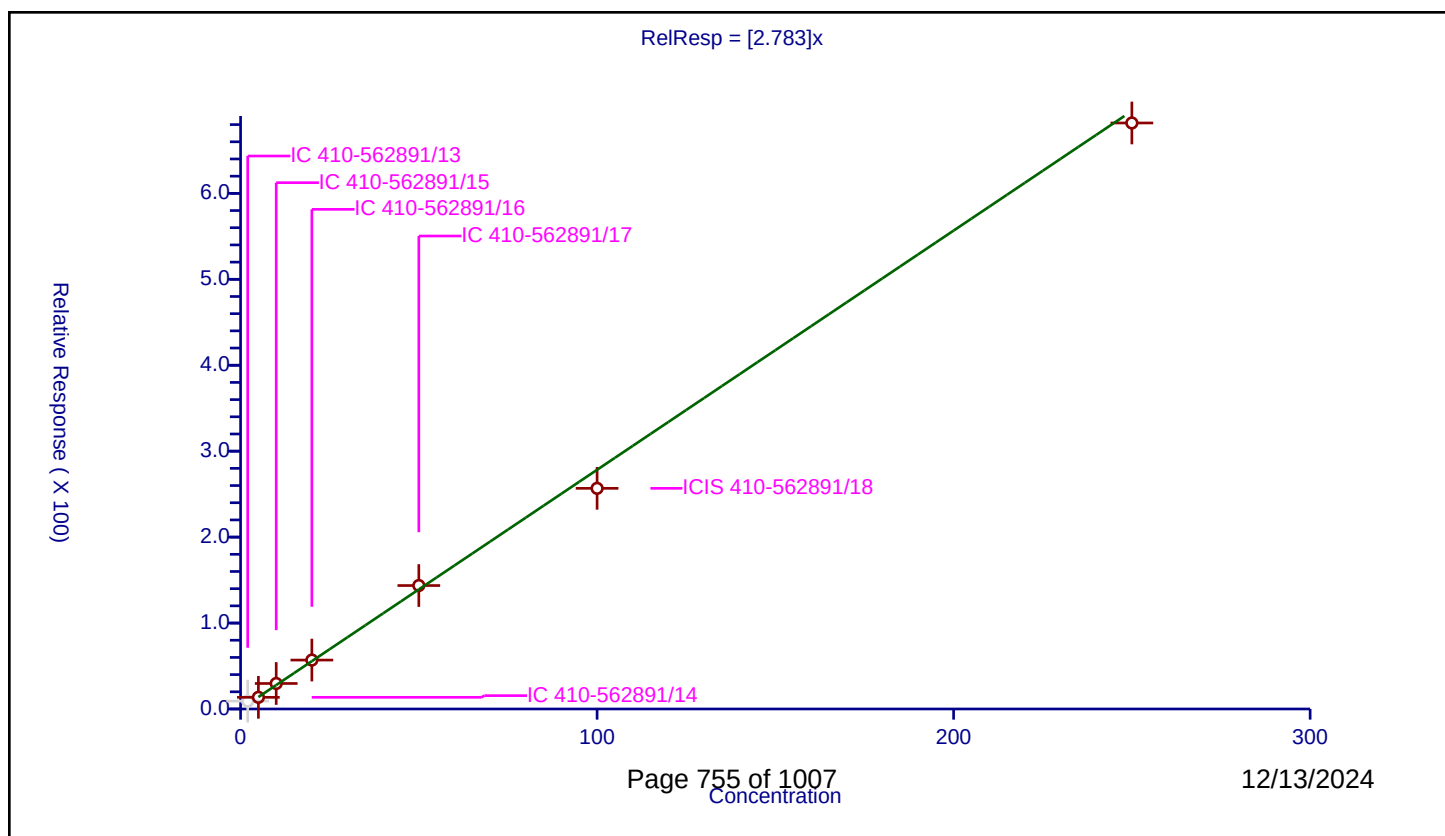
Curve Coefficients

Intercept: 0
Slope: 2.783

Error Coefficients

Relative Standard Deviation: 5.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	2.0	9.17785	50.0	89716.0	4.588925	N
2	IC 410-562891/14	5.0	13.590519	50.0	93201.0	2.718104	Y
3	IC 410-562891/15	10.0	29.674768	50.0	100267.0	2.967477	Y
4	IC 410-562891/16	20.0	56.924862	50.0	93056.0	2.846243	Y
5	IC 410-562891/17	50.0	143.65645	50.0	95404.0	2.873129	Y
6	ICIS 410-562891/18	100.0	256.743695	50.0	108835.0	2.567437	Y
7	IC 410-562891/19	250.0	681.904807	50.0	94503.0	2.727619	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

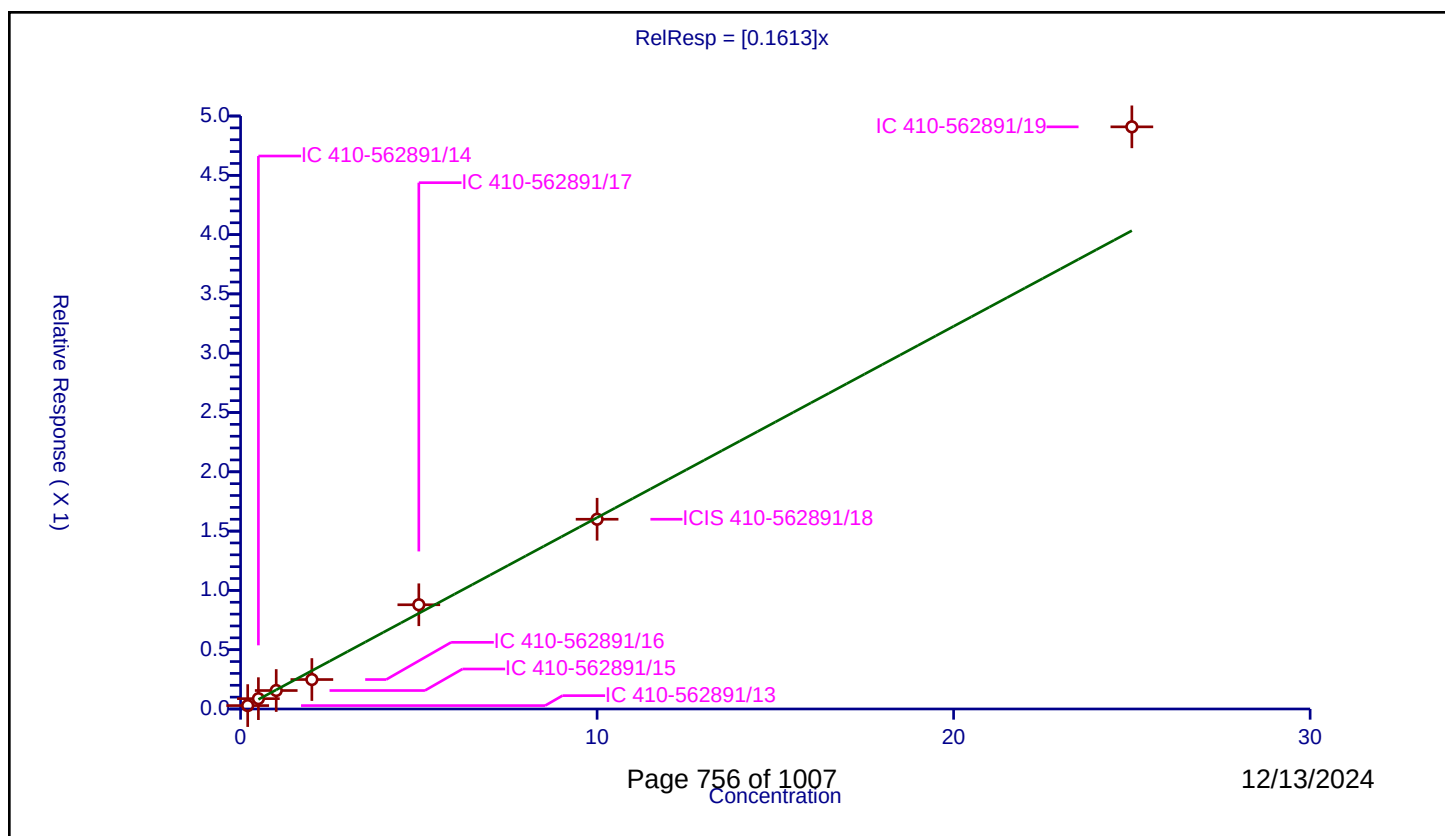
Curve Coefficients

Intercept: 0
 Slope: 0.1613

Error Coefficients

Relative Standard Deviation: 14.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.028621	10.0	2082750.0	0.143104	Y
2	IC 410-562891/14	0.5	0.087156	10.0	2073531.0	0.174311	Y
3	IC 410-562891/15	1.0	0.155678	10.0	2064073.0	0.155678	Y
4	IC 410-562891/16	2.0	0.248264	10.0	2072912.0	0.124132	Y
5	IC 410-562891/17	5.0	0.878897	10.0	2077057.0	0.175779	Y
6	ICIS 410-562891/18	10.0	1.599894	10.0	2106583.0	0.159989	Y
7	IC 410-562891/19	25.0	4.908803	10.0	2152918.0	0.196352	Y



Calibration

/ Iodomethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

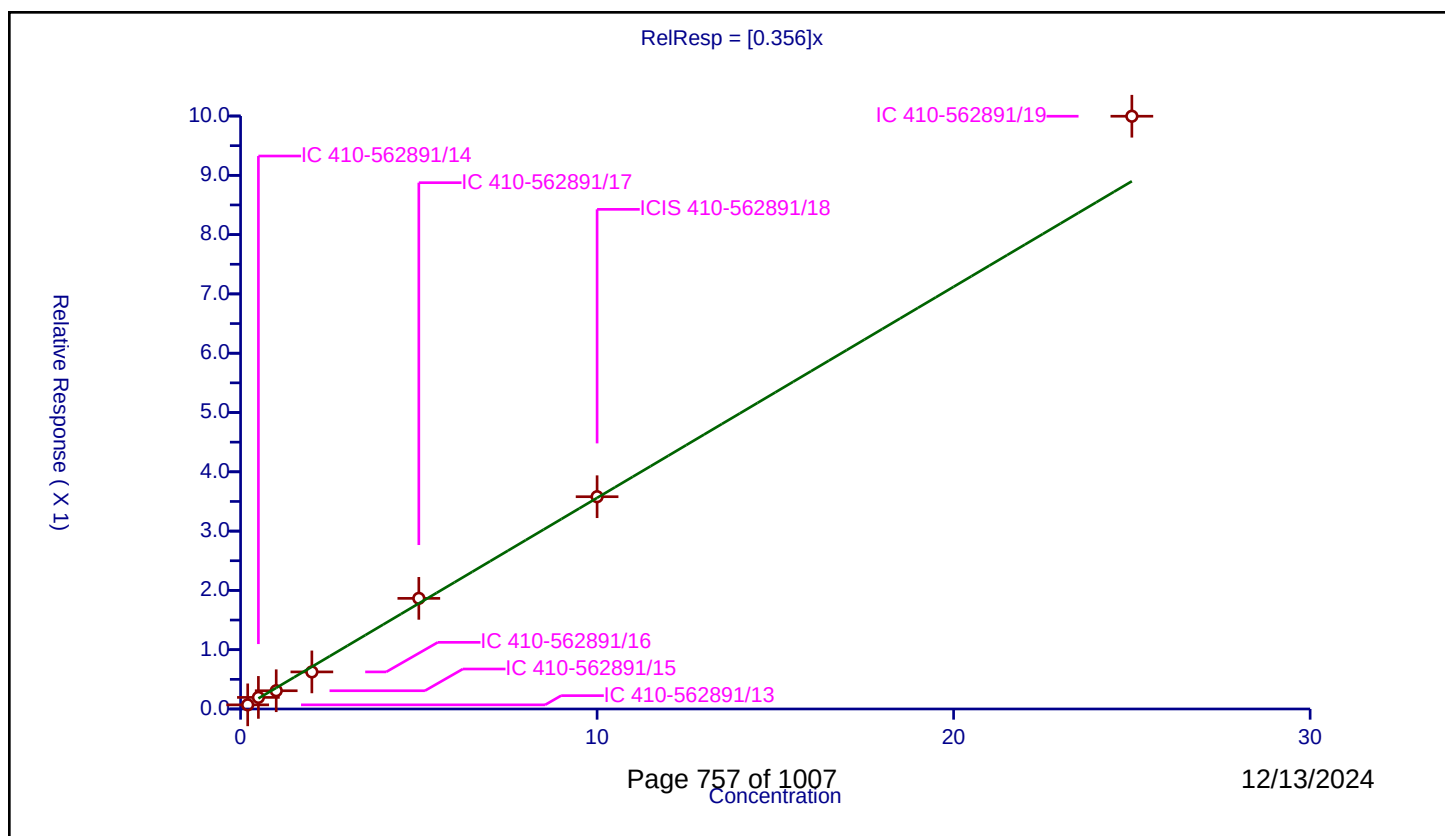
Curve Coefficients

Intercept: 0
 Slope: 0.356

Error Coefficients

Relative Standard Deviation: 10.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.069989	10.0	2082750.0	0.349946	Y
2	IC 410-562891/14	0.5	0.195343	10.0	2073531.0	0.390686	Y
3	IC 410-562891/15	1.0	0.307785	10.0	2064073.0	0.307785	Y
4	IC 410-562891/16	2.0	0.625289	10.0	2072912.0	0.312645	Y
5	IC 410-562891/17	5.0	1.865775	10.0	2077057.0	0.373155	Y
6	ICIS 410-562891/18	10.0	3.579849	10.0	2106583.0	0.357985	Y
7	IC 410-562891/19	25.0	9.996279	10.0	2152918.0	0.399851	Y



Calibration

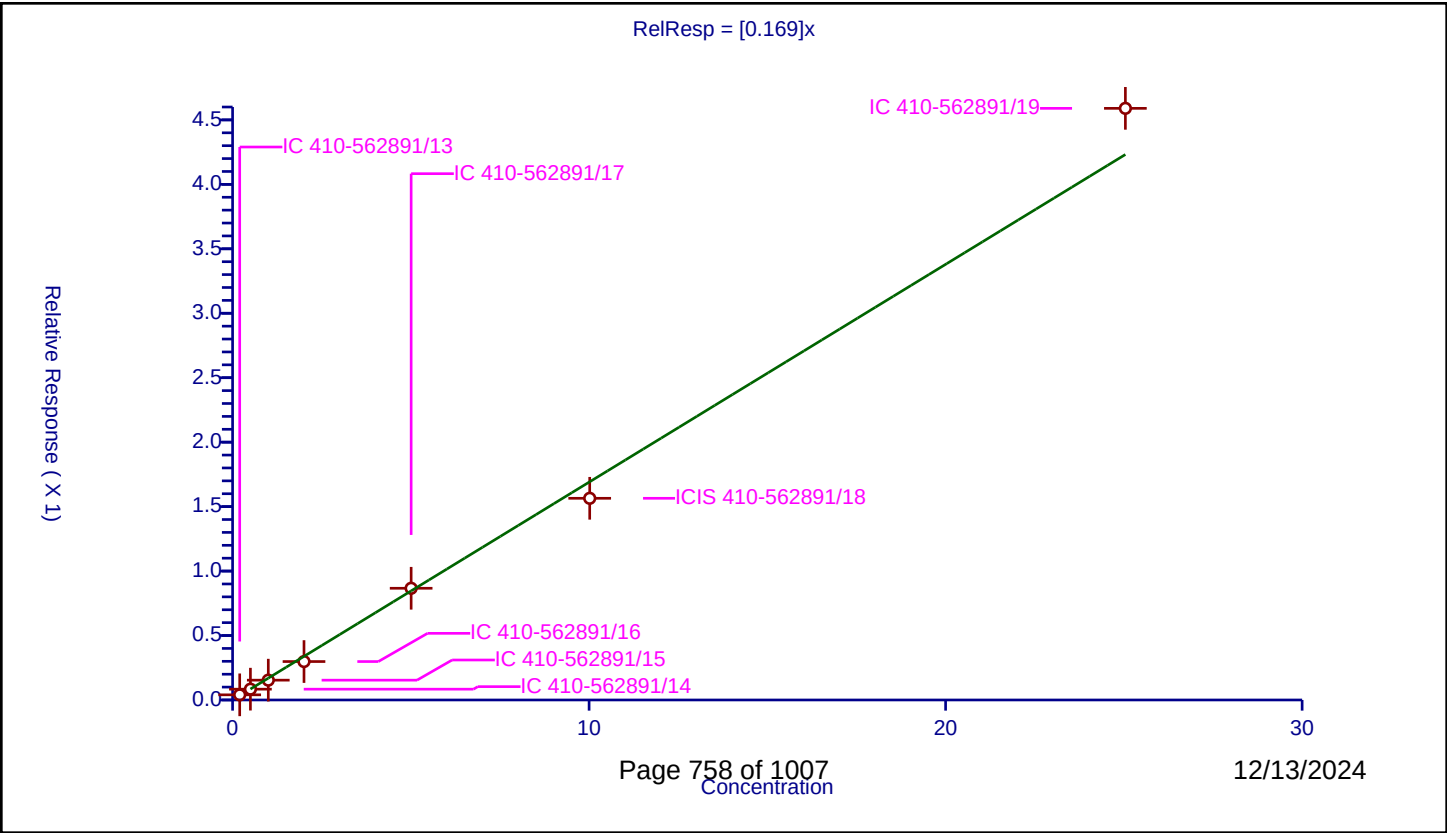
/ Ethyl bromide

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.169
Error Coefficients	

Relative Standard Deviation: 10.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.20034	0.04012	10.0	2082750.0	0.20026	Y
2	IC 410-562891/14	0.50085	0.083953	10.0	2073531.0	0.167622	Y
3	IC 410-562891/15	1.0017	0.153827	10.0	2064073.0	0.153566	Y
4	IC 410-562891/16	2.0034	0.298271	10.0	2072912.0	0.148883	Y
5	IC 410-562891/17	5.0085	0.866654	10.0	2077057.0	0.173037	Y
6	ICIS 410-562891/18	10.017	1.564638	10.0	2106583.0	0.156198	Y
7	IC 410-562891/19	25.0425	4.589738	10.0	2152918.0	0.183278	Y



Calibration

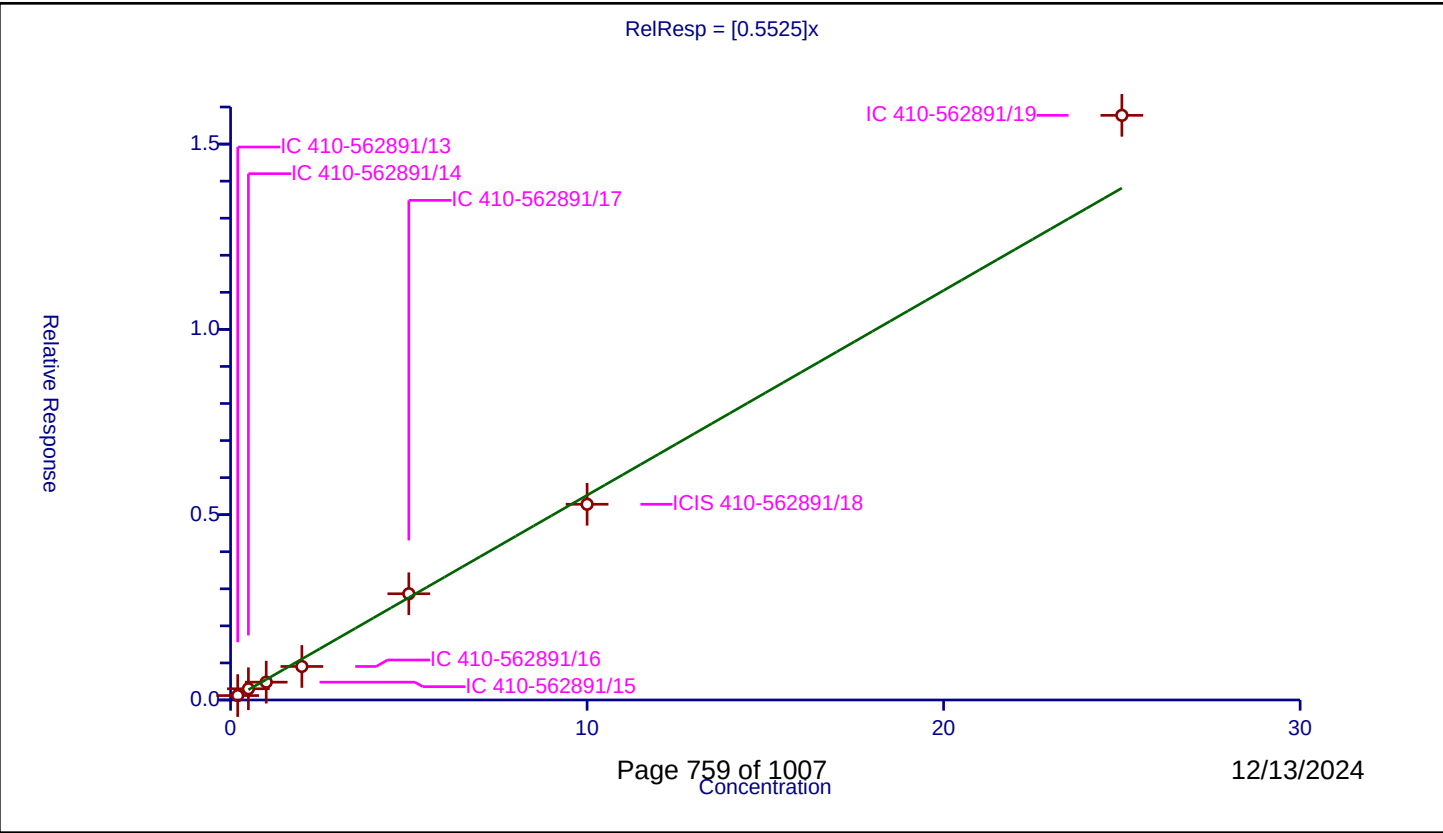
/ Carbon disulfide

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.5525
Error Coefficients	

Relative Standard Deviation: 12.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.119385	10.0	2082750.0	0.596927	Y
2	IC 410-562891/14	0.5	0.302532	10.0	2073531.0	0.605065	Y
3	IC 410-562891/15	1.0	0.480734	10.0	2064073.0	0.480734	Y
4	IC 410-562891/16	2.0	0.904911	10.0	2072912.0	0.452455	Y
5	IC 410-562891/17	5.0	2.866493	10.0	2077057.0	0.573299	Y
6	ICIS 410-562891/18	10.0	5.281036	10.0	2106583.0	0.528104	Y
7	IC 410-562891/19	25.0	15.77551	10.0	2152918.0	0.63102	Y



Calibration

/ Methyl acetate

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

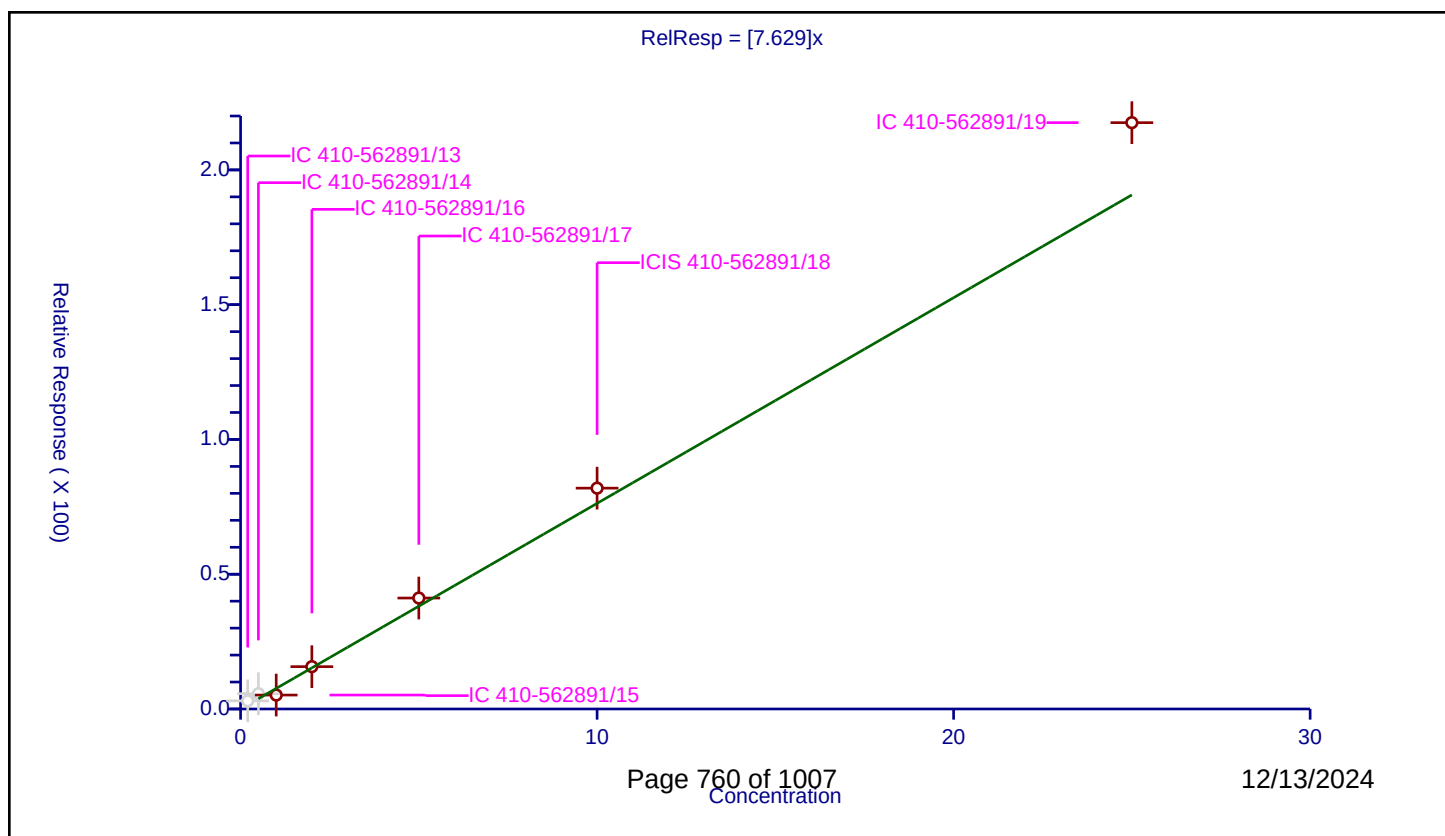
Curve Coefficients

Intercept: 0
 Slope: 7.629

Error Coefficients

Relative Standard Deviation: 18.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	3.019528	50.0	89716.0	15.097641	N
2	IC 410-562891/14	0.5	5.671076	50.0	93201.0	11.342153	N
3	IC 410-562891/15	1.0	5.16471	50.0	100267.0	5.16471	Y
4	IC 410-562891/16	2.0	15.706134	50.0	93056.0	7.853067	Y
5	IC 410-562891/17	5.0	41.164417	50.0	95404.0	8.232883	Y
6	ICIS 410-562891/18	10.0	81.938255	50.0	108835.0	8.193826	Y
7	IC 410-562891/19	25.0	217.531719	50.0	94503.0	8.701269	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

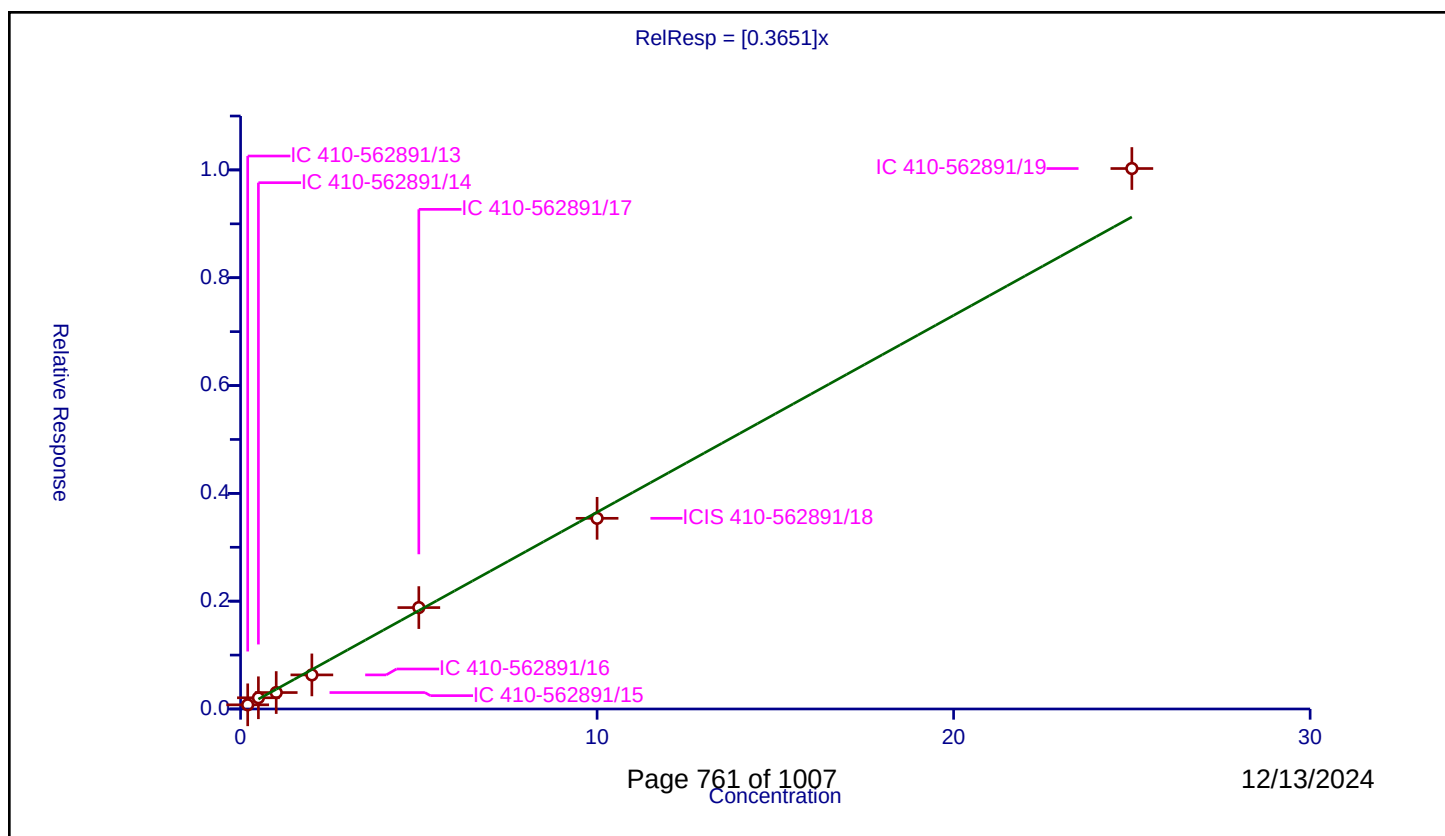
Curve Coefficients

Intercept: 0
Slope: 0.3651

Error Coefficients

Relative Standard Deviation: 11.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.077623	10.0	2082750.0	0.388117	Y
2	IC 410-562891/14	0.5	0.2078	10.0	2073531.0	0.4156	Y
3	IC 410-562891/15	1.0	0.304742	10.0	2064073.0	0.304742	Y
4	IC 410-562891/16	2.0	0.63228	10.0	2072912.0	0.31614	Y
5	IC 410-562891/17	5.0	1.880882	10.0	2077057.0	0.376176	Y
6	ICIS 410-562891/18	10.0	3.537231	10.0	2106583.0	0.353723	Y
7	IC 410-562891/19	25.0	10.025993	10.0	2152918.0	0.40104	Y



Calibration

/ Methylene Chloride

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

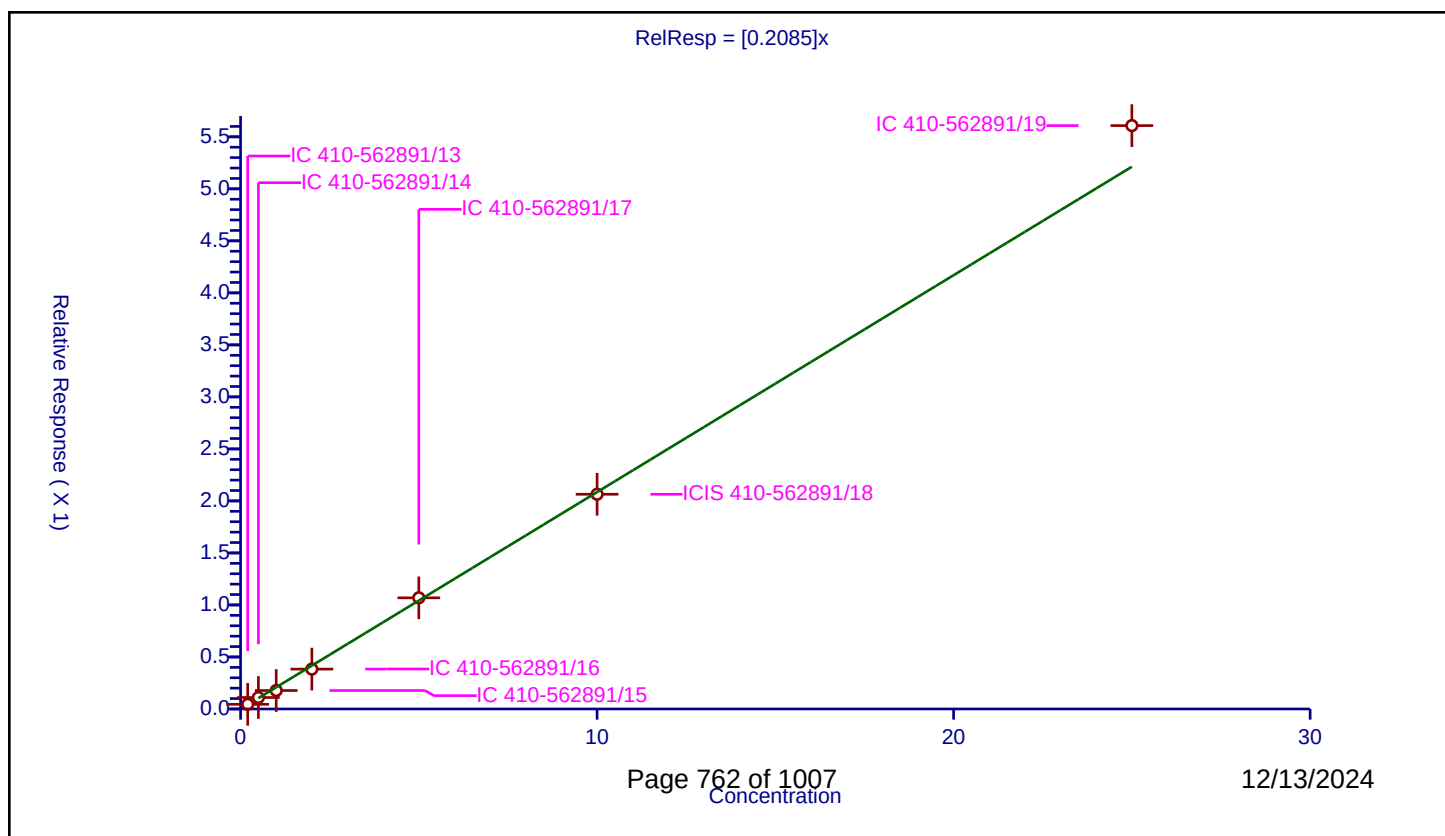
Curve Coefficients

Intercept: 0
Slope: 0.2085

Error Coefficients

Relative Standard Deviation: 8.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.045061	10.0	2082750.0	0.225303	Y
2	IC 410-562891/14	0.5	0.110252	10.0	2073531.0	0.220503	Y
3	IC 410-562891/15	1.0	0.177542	10.0	2064073.0	0.177542	Y
4	IC 410-562891/16	2.0	0.383369	10.0	2072912.0	0.191684	Y
5	IC 410-562891/17	5.0	1.068483	10.0	2077057.0	0.213697	Y
6	ICIS 410-562891/18	10.0	2.064115	10.0	2106583.0	0.206412	Y
7	IC 410-562891/19	25.0	5.607678	10.0	2152918.0	0.224307	Y



Calibration

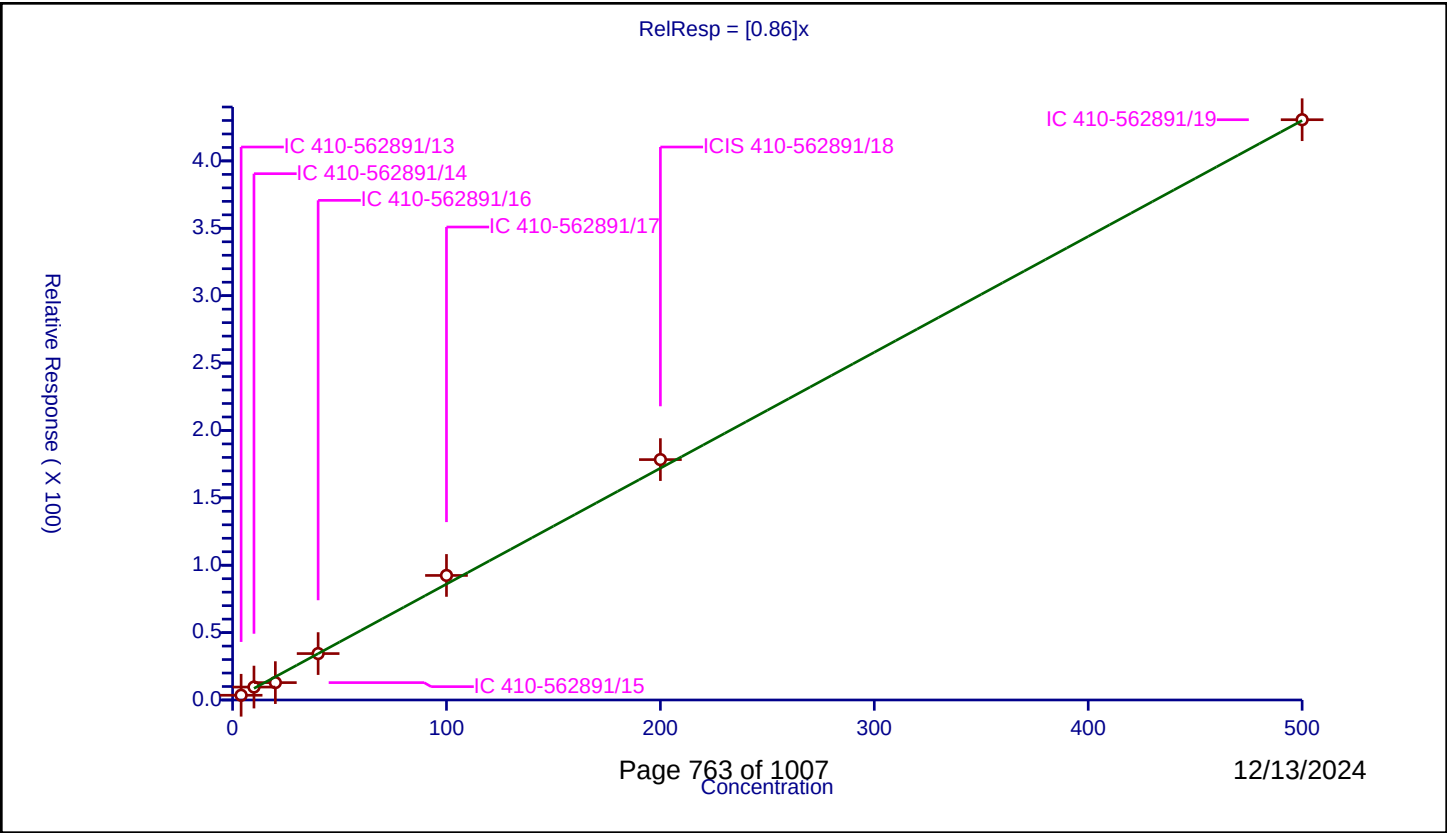
/ 2-Methyl-2-propanol

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.86
Error Coefficients	

Relative Standard Deviation: 11.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	4.0	3.513866	50.0	89716.0	0.878466	Y
2	IC 410-562891/14	10.0	9.587343	50.0	93201.0	0.958734	Y
3	IC 410-562891/15	20.0	12.890582	50.0	100267.0	0.644529	Y
4	IC 410-562891/16	40.0	34.441627	50.0	93056.0	0.861041	Y
5	IC 410-562891/17	100.0	92.412268	50.0	95404.0	0.924123	Y
6	ICIS 410-562891/18	200.0	178.365416	50.0	108835.0	0.891827	Y
7	IC 410-562891/19	500.0	430.58104	50.0	94503.0	0.861162	Y



Calibration

/ Acrylonitrile

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

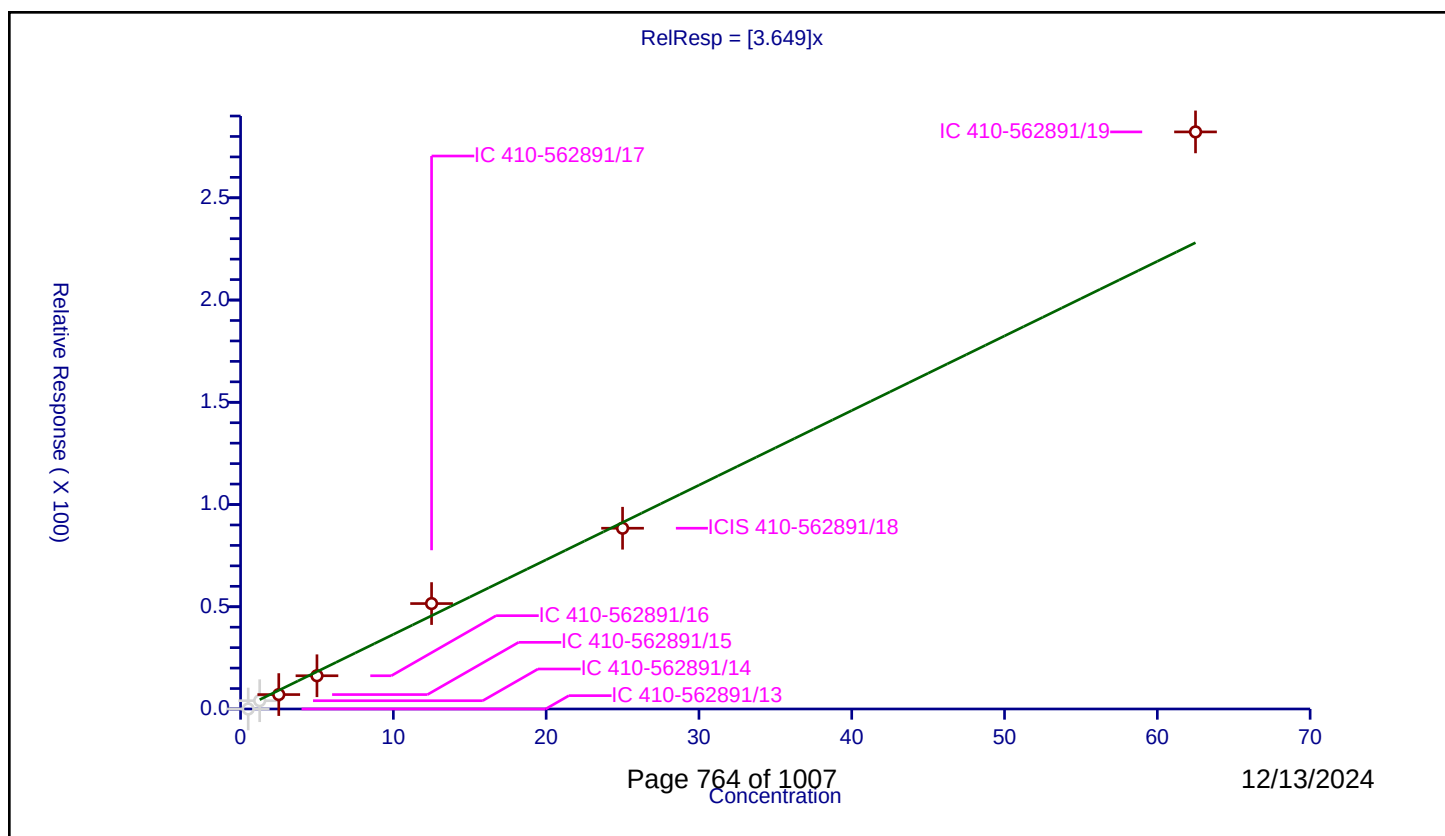
Curve Coefficients

Intercept: 0
Slope: 3.649

Error Coefficients

Relative Standard Deviation: 18.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.5	0.0	50.0	89716.0	0.0	N
2	IC 410-562891/14	1.25	4.053605	50.0	93201.0	3.242884	N
3	IC 410-562891/15	2.5	7.043195	50.0	100267.0	2.817278	Y
4	IC 410-562891/16	5.0	16.252042	50.0	93056.0	3.250408	Y
5	IC 410-562891/17	12.5	51.561255	50.0	95404.0	4.1249	Y
6	ICIS 410-562891/18	25.0	88.40125	50.0	108835.0	3.53605	Y
7	IC 410-562891/19	62.5	282.233368	50.0	94503.0	4.515734	Y



Calibration

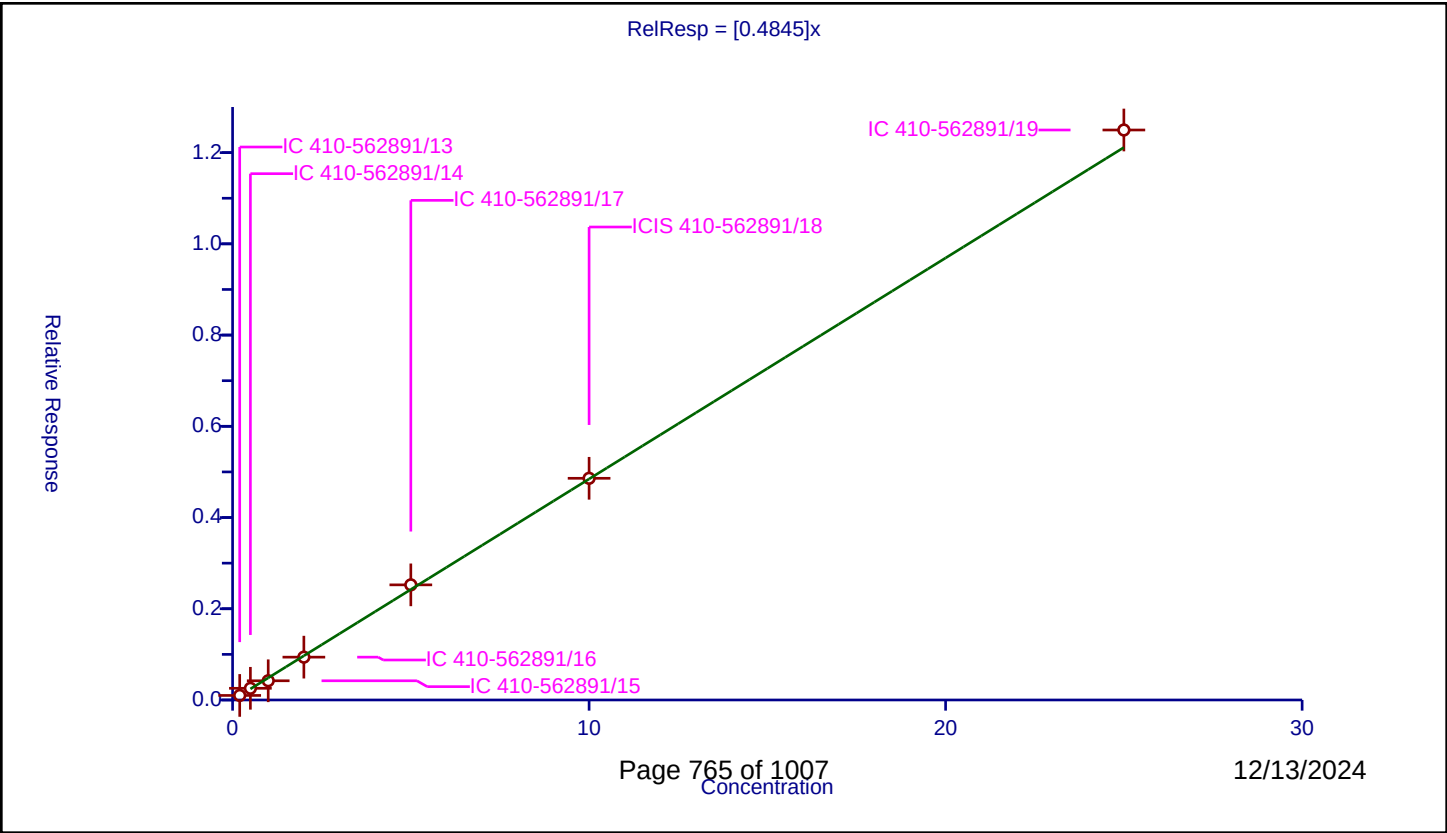
/ Methyl tert-butyl ether

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.4845
Error Coefficients	

Relative Standard Deviation: 6.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.099589	10.0	2082750.0	0.497947	Y
2	IC 410-562891/14	0.5	0.256066	10.0	2073531.0	0.512131	Y
3	IC 410-562891/15	1.0	0.421322	10.0	2064073.0	0.421322	Y
4	IC 410-562891/16	2.0	0.939278	10.0	2072912.0	0.469639	Y
5	IC 410-562891/17	5.0	2.523999	10.0	2077057.0	0.5048	Y
6	ICIS 410-562891/18	10.0	4.86053	10.0	2106583.0	0.486053	Y
7	IC 410-562891/19	25.0	12.496073	10.0	2152918.0	0.499843	Y

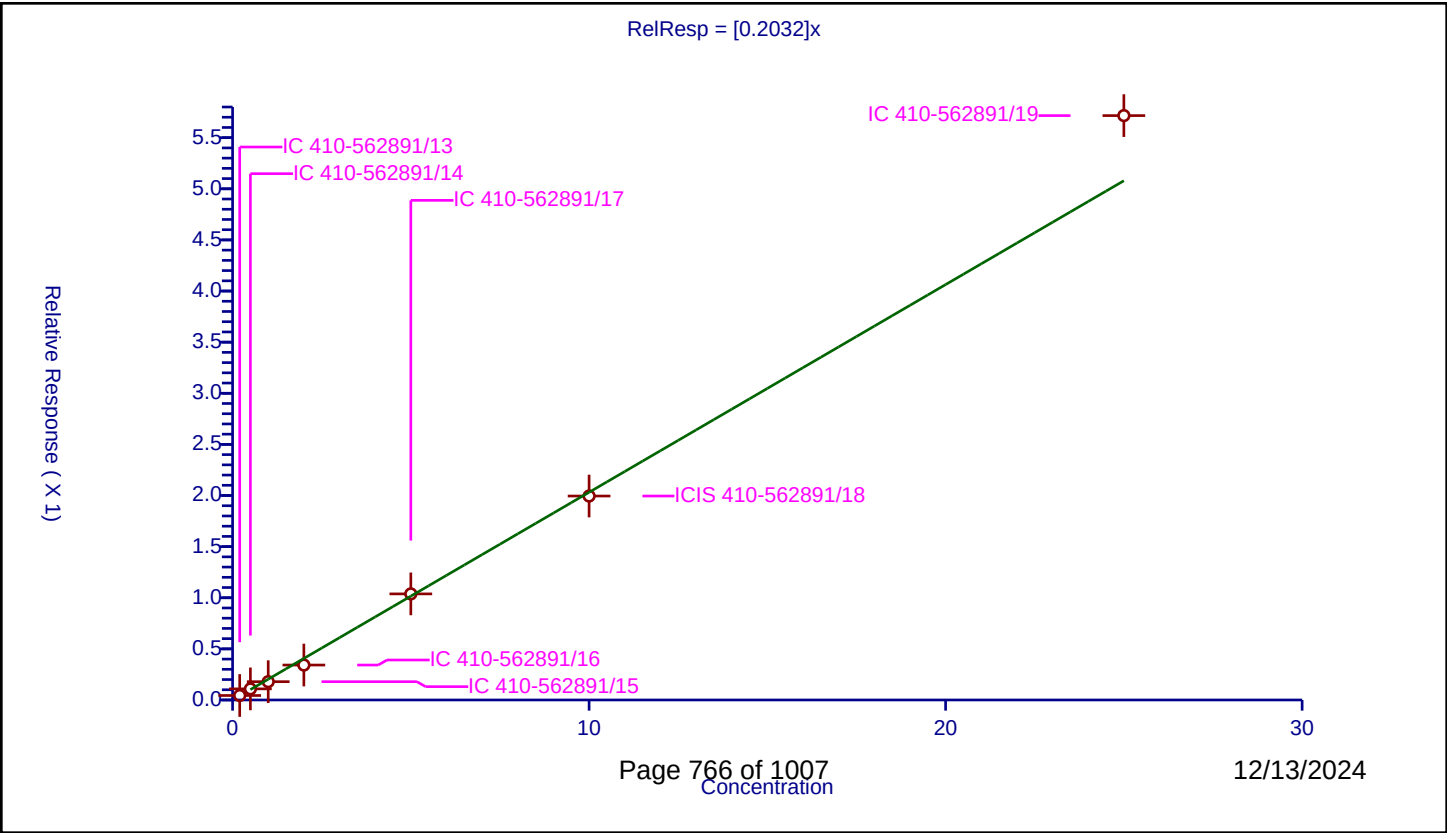


Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.2032
Error Coefficients	

Relative Standard Deviation: 10.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.043846	10.0	2082750.0	0.219229	Y
2	IC 410-562891/14	0.5	0.108617	10.0	2073531.0	0.217233	Y
3	IC 410-562891/15	1.0	0.178981	10.0	2064073.0	0.178981	Y
4	IC 410-562891/16	2.0	0.341925	10.0	2072912.0	0.170962	Y
5	IC 410-562891/17	5.0	1.037805	10.0	2077057.0	0.207561	Y
6	ICIS 410-562891/18	10.0	1.994856	10.0	2106583.0	0.199486	Y
7	IC 410-562891/19	25.0	5.716065	10.0	2152918.0	0.228643	Y

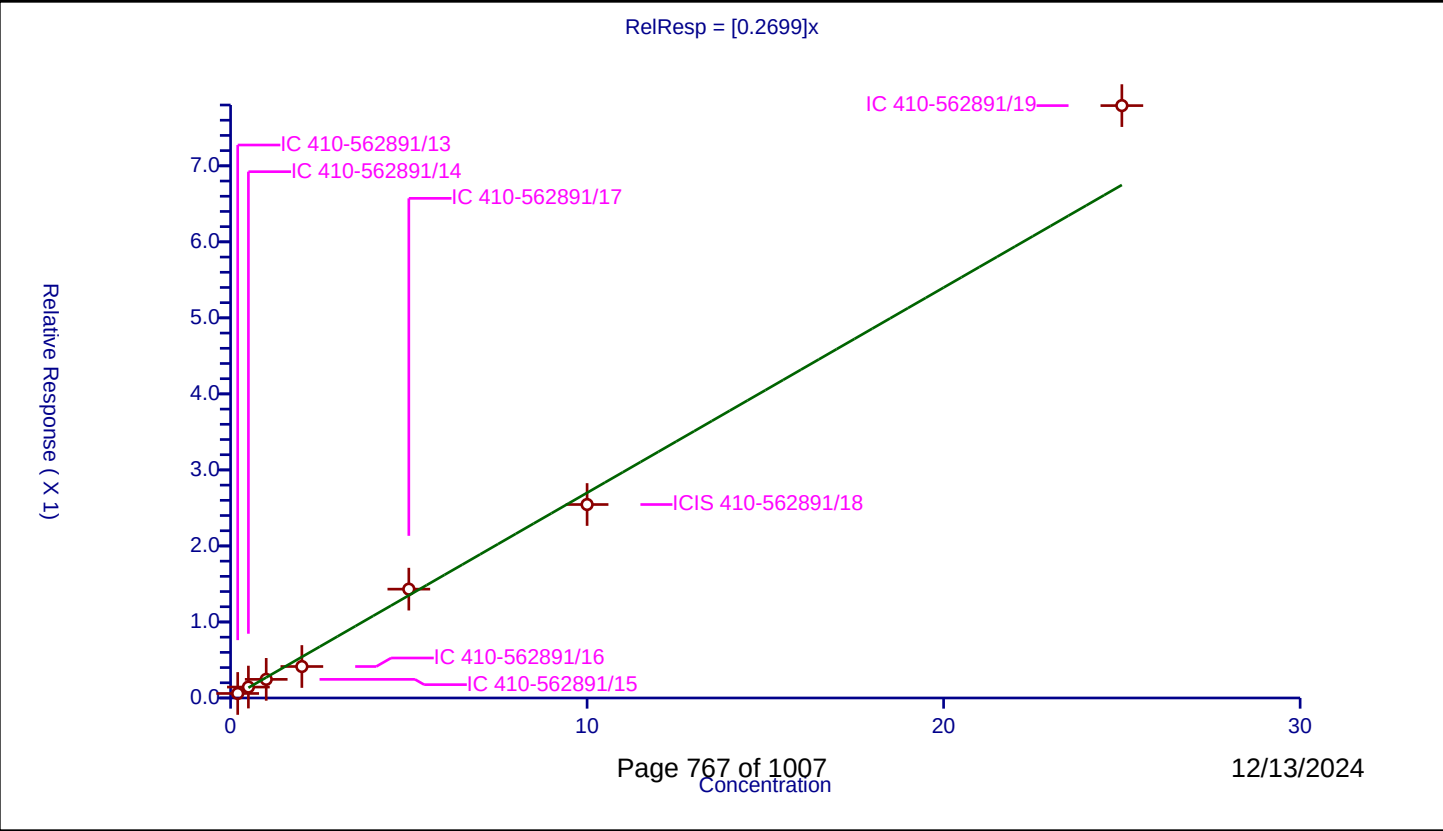


Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.2699

Error Coefficients	
Relative Standard Deviation:	13.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.059537	10.0	2082750.0	0.297683	Y
2	IC 410-562891/14	0.5	0.143629	10.0	2073531.0	0.287259	Y
3	IC 410-562891/15	1.0	0.245049	10.0	2064073.0	0.245049	Y
4	IC 410-562891/16	2.0	0.414065	10.0	2072912.0	0.207032	Y
5	IC 410-562891/17	5.0	1.431564	10.0	2077057.0	0.286313	Y
6	ICIS 410-562891/18	10.0	2.545041	10.0	2106583.0	0.254504	Y
7	IC 410-562891/19	25.0	7.792131	10.0	2152918.0	0.311685	Y



Calibration

/ 1,1-Dichloroethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

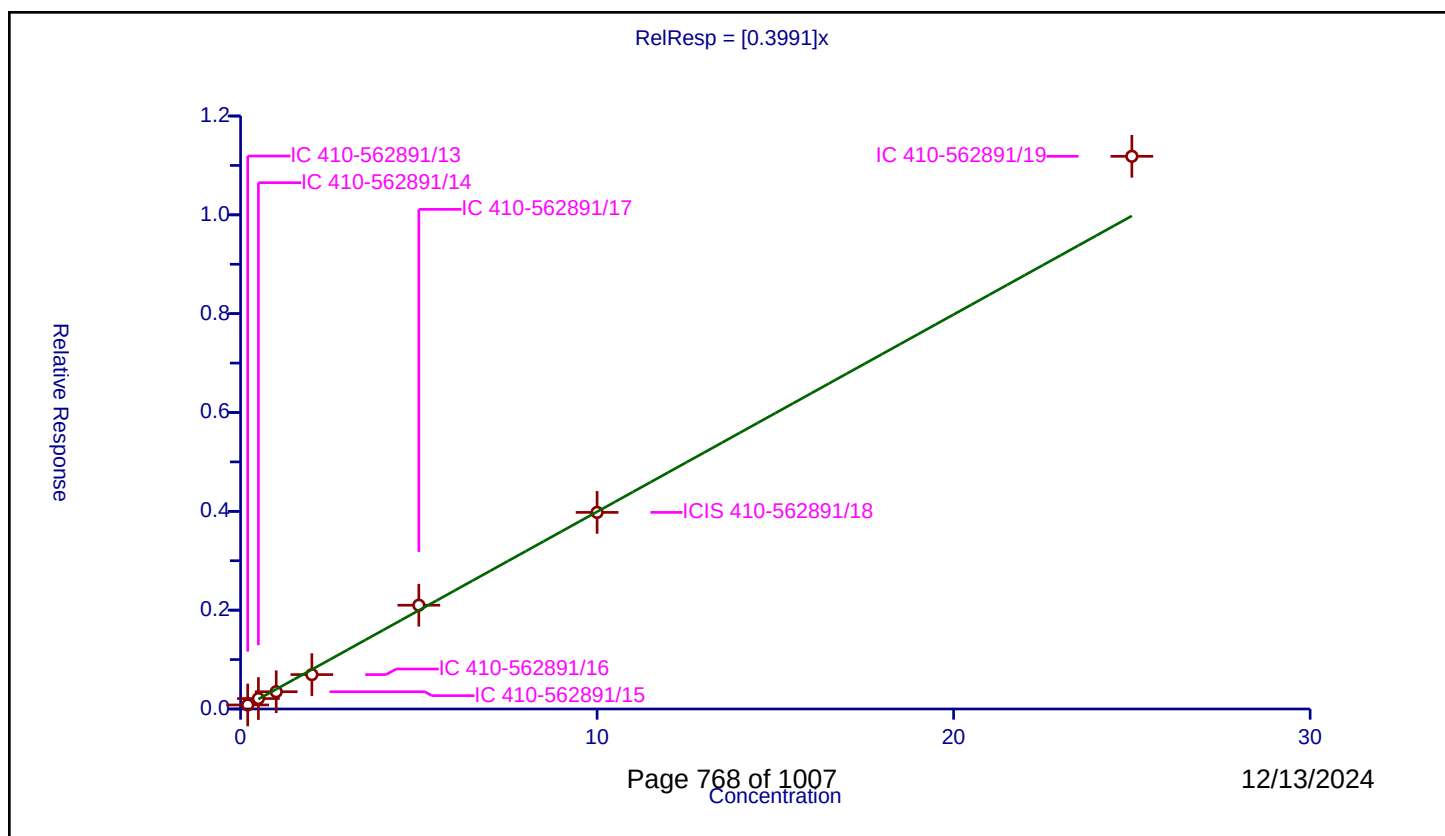
Curve Coefficients

Intercept: 0
Slope: 0.3991

Error Coefficients

Relative Standard Deviation: 9.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.081767	10.0	2082750.0	0.408834	Y
2	IC 410-562891/14	0.5	0.211166	10.0	2073531.0	0.422333	Y
3	IC 410-562891/15	1.0	0.349629	10.0	2064073.0	0.349629	Y
4	IC 410-562891/16	2.0	0.695616	10.0	2072912.0	0.347808	Y
5	IC 410-562891/17	5.0	2.100294	10.0	2077057.0	0.420059	Y
6	ICIS 410-562891/18	10.0	3.978566	10.0	2106583.0	0.397857	Y
7	IC 410-562891/19	25.0	11.184815	10.0	2152918.0	0.447393	Y



Calibration

/ Isopropyl ether

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

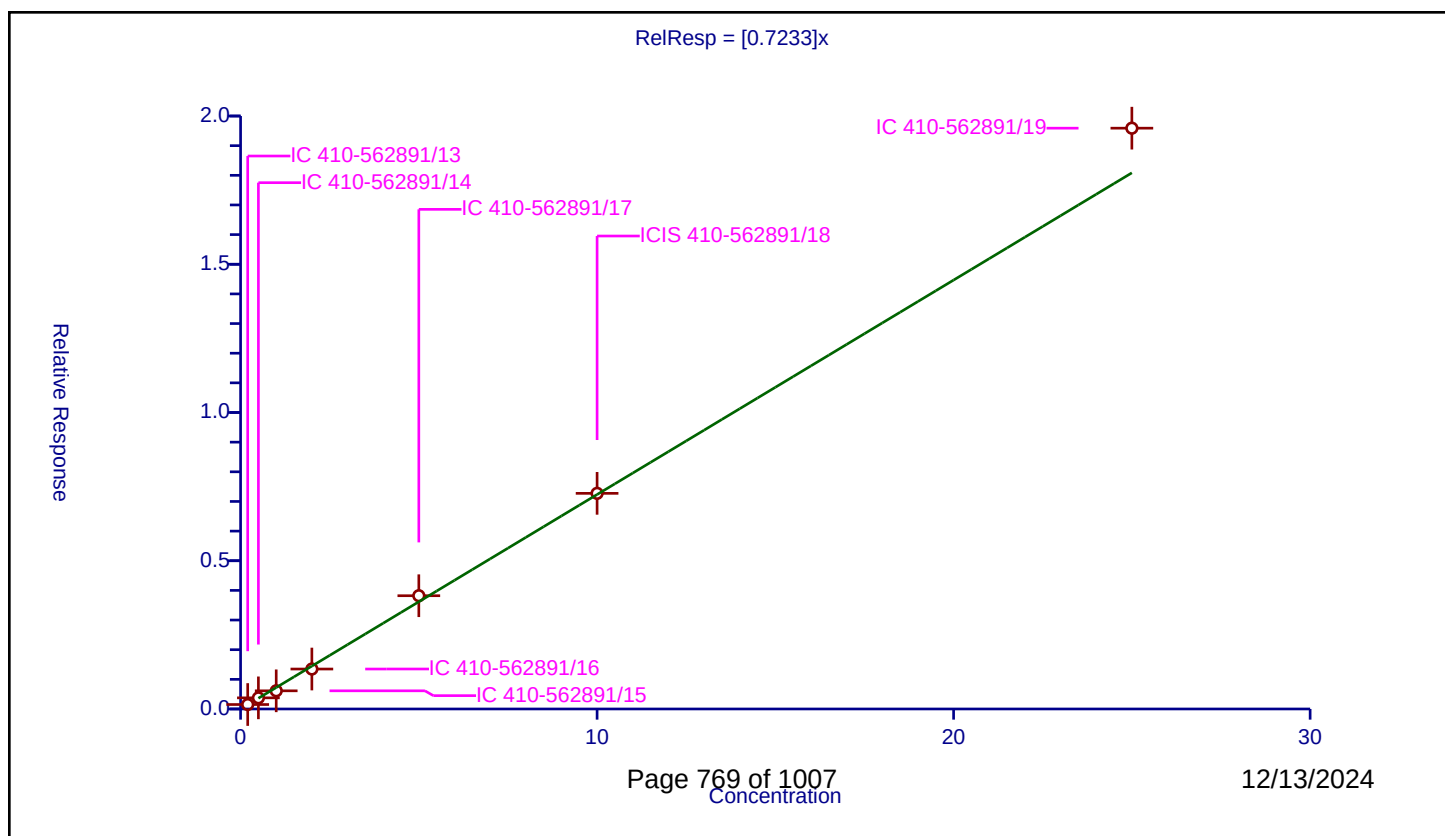
Curve Coefficients

Intercept: 0
Slope: 0.7233

Error Coefficients

Relative Standard Deviation: 8.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.150364	10.0	2082750.0	0.751819	Y
2	IC 410-562891/14	0.5	0.375085	10.0	2073531.0	0.75017	Y
3	IC 410-562891/15	1.0	0.61259	10.0	2064073.0	0.61259	Y
4	IC 410-562891/16	2.0	1.347636	10.0	2072912.0	0.673818	Y
5	IC 410-562891/17	5.0	3.82029	10.0	2077057.0	0.764058	Y
6	ICIS 410-562891/18	10.0	7.273495	10.0	2106583.0	0.727349	Y
7	IC 410-562891/19	25.0	19.58965	10.0	2152918.0	0.783586	Y



Calibration

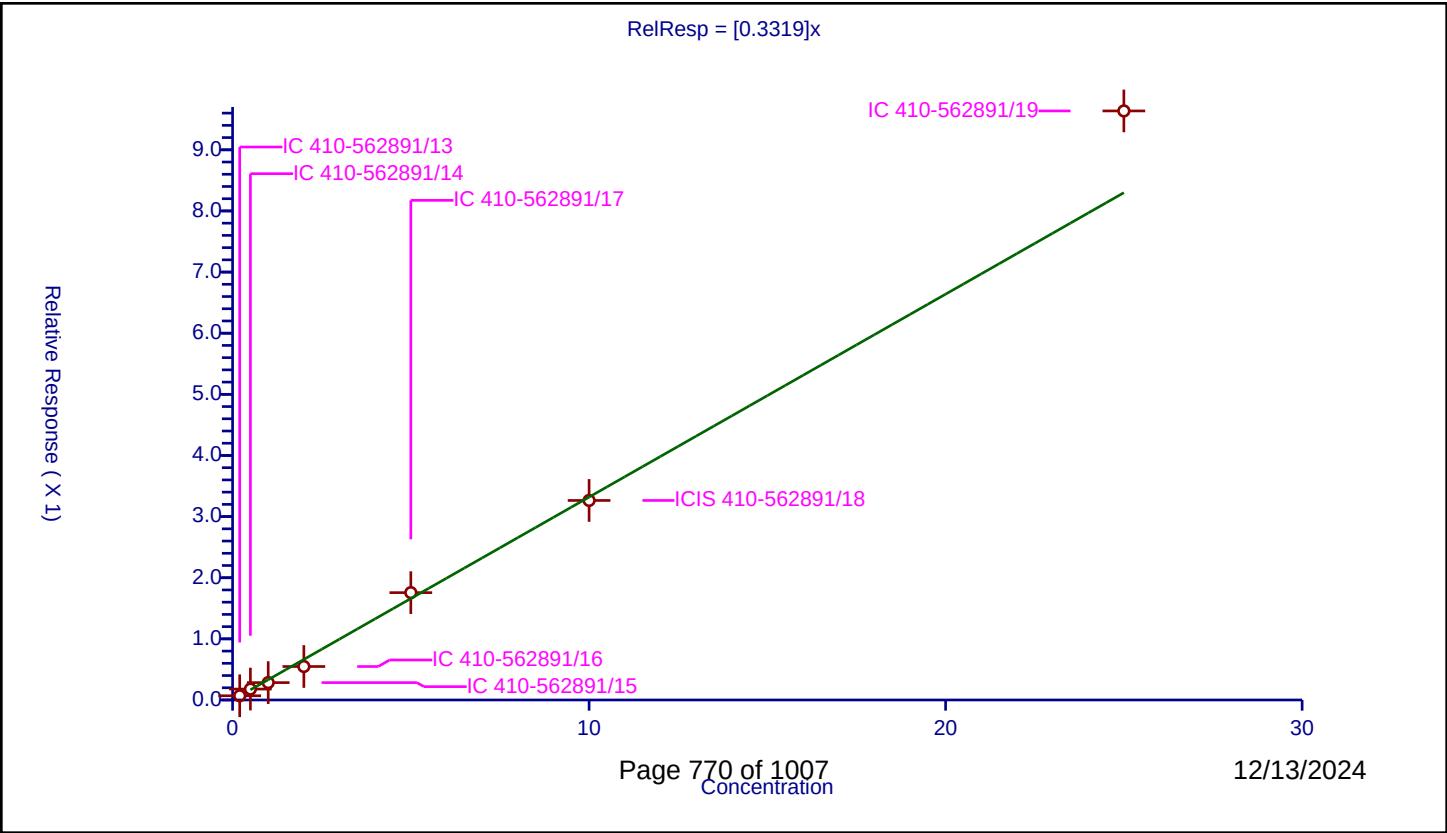
/ 2-Chloro-1,3-butadiene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.3319
Error Coefficients	

Relative Standard Deviation: 12.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.068943	10.0	2082750.0	0.344713	Y
2	IC 410-562891/14	0.5	0.17884	10.0	2073531.0	0.35768	Y
3	IC 410-562891/15	1.0	0.284273	10.0	2064073.0	0.284273	Y
4	IC 410-562891/16	2.0	0.547544	10.0	2072912.0	0.273772	Y
5	IC 410-562891/17	5.0	1.756086	10.0	2077057.0	0.351217	Y
6	ICIS 410-562891/18	10.0	3.264134	10.0	2106583.0	0.326413	Y
7	IC 410-562891/19	25.0	9.636071	10.0	2152918.0	0.385443	Y



Calibration

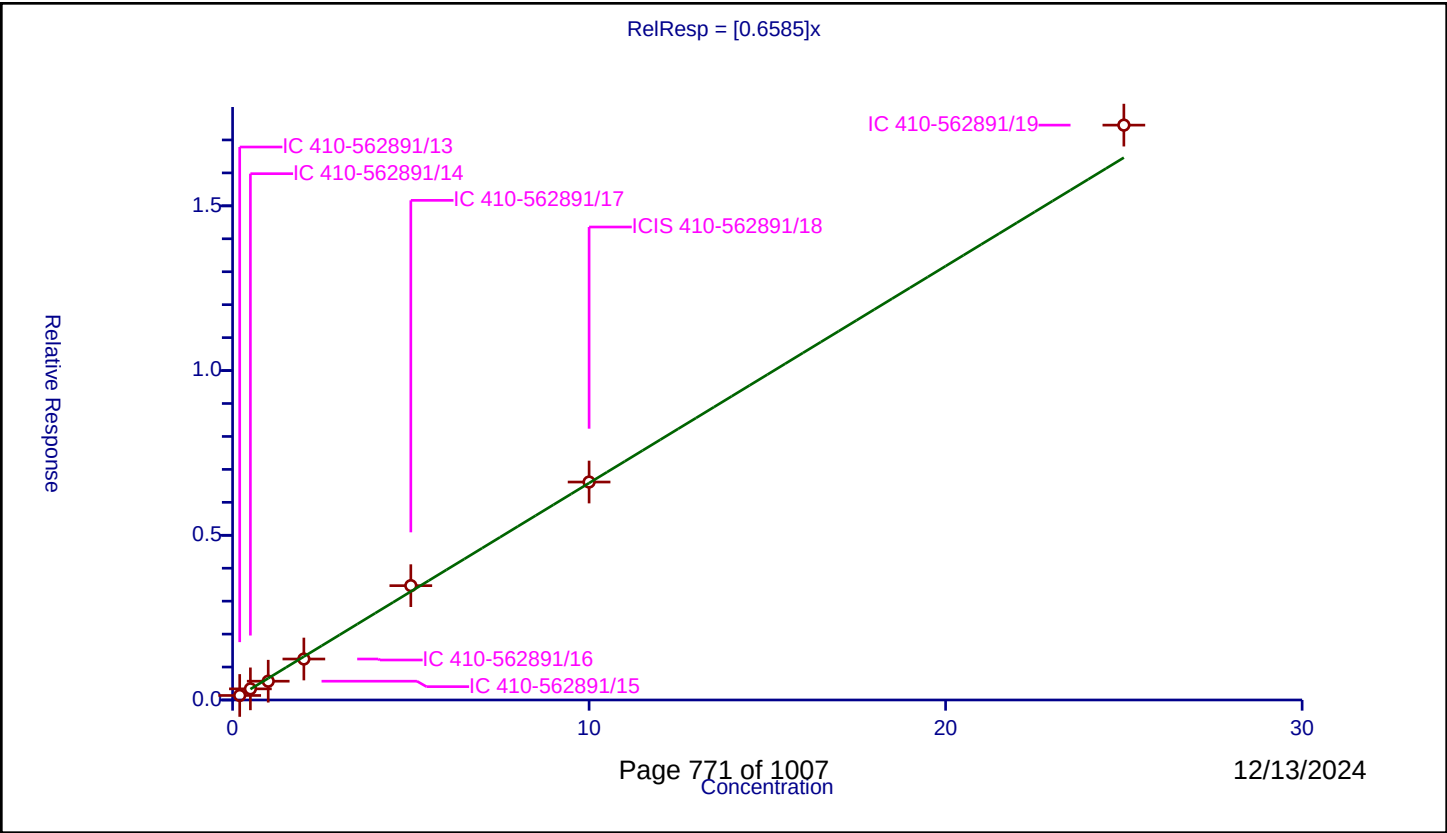
/ Tert-butyl ethyl ether

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.6585

Error Coefficients	
Relative Standard Deviation:	7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.137434	10.0	2082750.0	0.687168	Y
2	IC 410-562891/14	0.5	0.338211	10.0	2073531.0	0.676421	Y
3	IC 410-562891/15	1.0	0.570334	10.0	2064073.0	0.570334	Y
4	IC 410-562891/16	2.0	1.243912	10.0	2072912.0	0.621956	Y
5	IC 410-562891/17	5.0	3.470945	10.0	2077057.0	0.694189	Y
6	ICIS 410-562891/18	10.0	6.616397	10.0	2106583.0	0.66164	Y
7	IC 410-562891/19	25.0	17.450507	10.0	2152918.0	0.69802	Y



Calibration

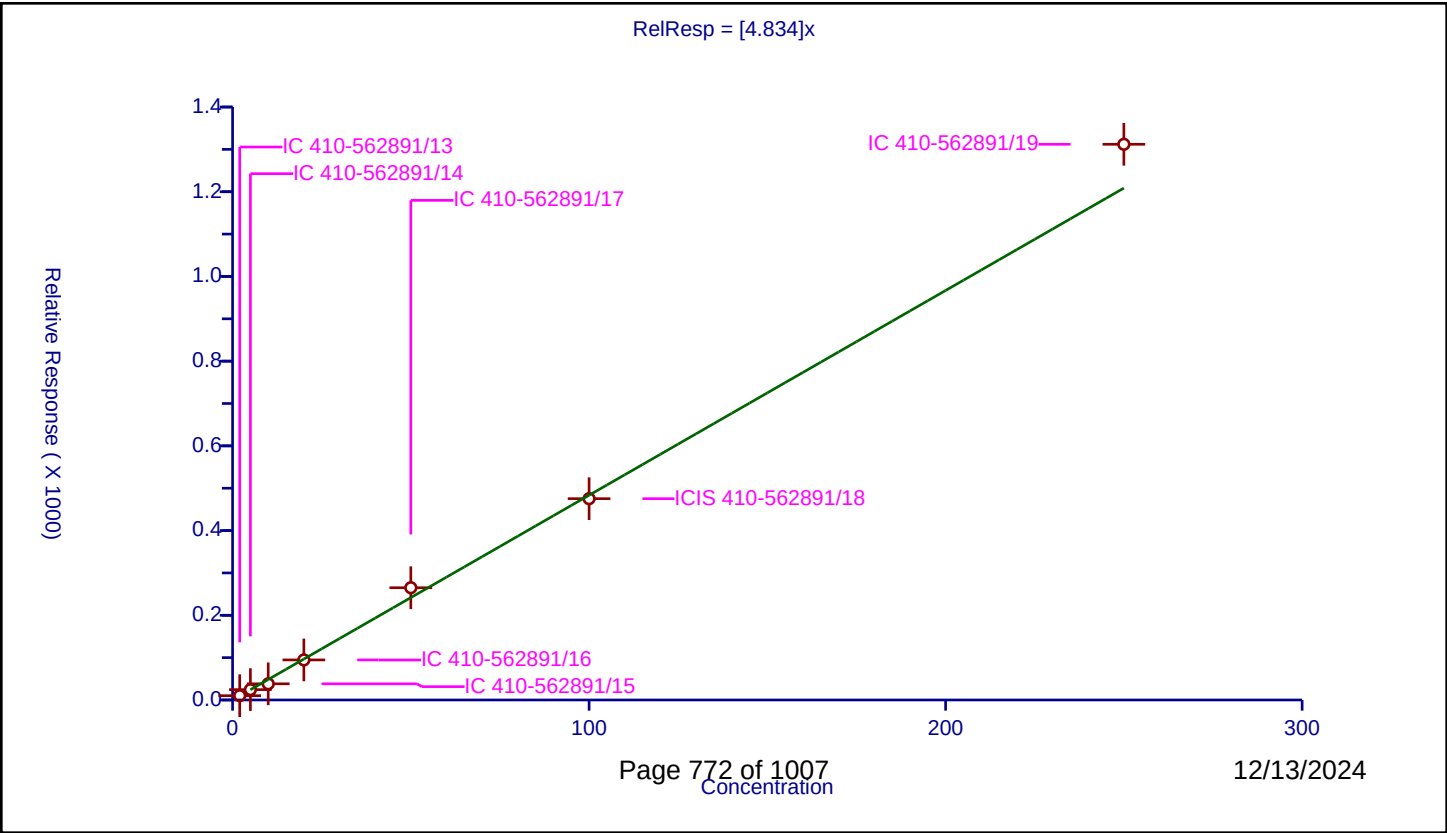
/ 2-Butanone (MEK)

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	4.834
Error Coefficients	

Relative Standard Deviation: 10.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	2.0	10.179344	50.0	89716.0	5.089672	Y
2	IC 410-562891/14	5.0	24.485252	50.0	93201.0	4.89705	Y
3	IC 410-562891/15	10.0	38.208982	50.0	100267.0	3.820898	Y
4	IC 410-562891/16	20.0	94.597877	50.0	93056.0	4.729894	Y
5	IC 410-562891/17	50.0	265.006184	50.0	95404.0	5.300124	Y
6	ICIS 410-562891/18	100.0	475.321358	50.0	108835.0	4.753214	Y
7	IC 410-562891/19	250.0	1311.976868	50.0	94503.0	5.247907	Y



Calibration

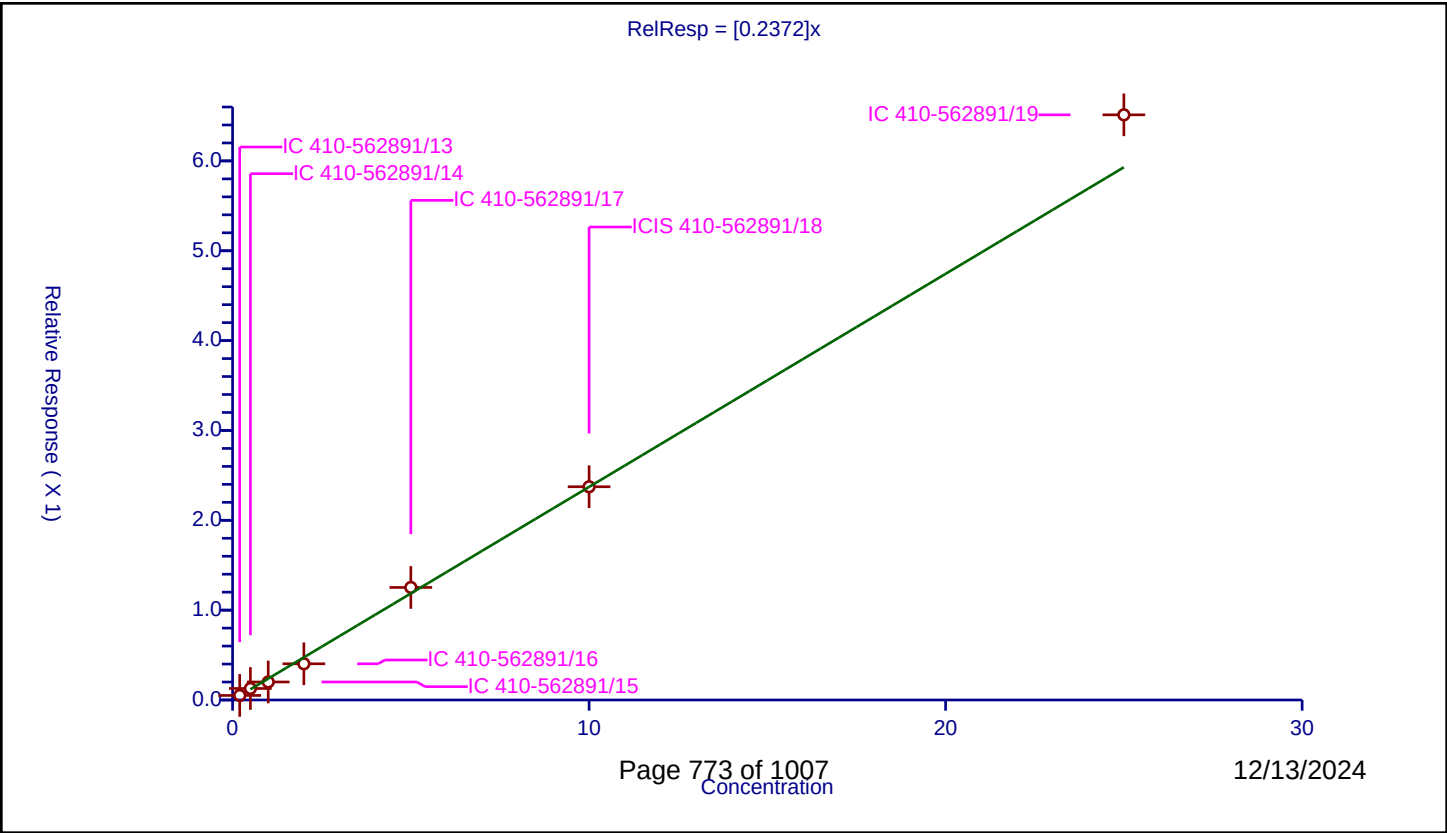
/ cis-1,2-Dichloroethene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.2372
Error Coefficients	

Relative Standard Deviation: 10.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.050664	10.0	2082750.0	0.253319	Y
2	IC 410-562891/14	0.5	0.128158	10.0	2073531.0	0.256316	Y
3	IC 410-562891/15	1.0	0.200613	10.0	2064073.0	0.200613	Y
4	IC 410-562891/16	2.0	0.402993	10.0	2072912.0	0.201497	Y
5	IC 410-562891/17	5.0	1.252676	10.0	2077057.0	0.250535	Y
6	ICIS 410-562891/18	10.0	2.373408	10.0	2106583.0	0.237341	Y
7	IC 410-562891/19	25.0	6.513016	10.0	2152918.0	0.260521	Y

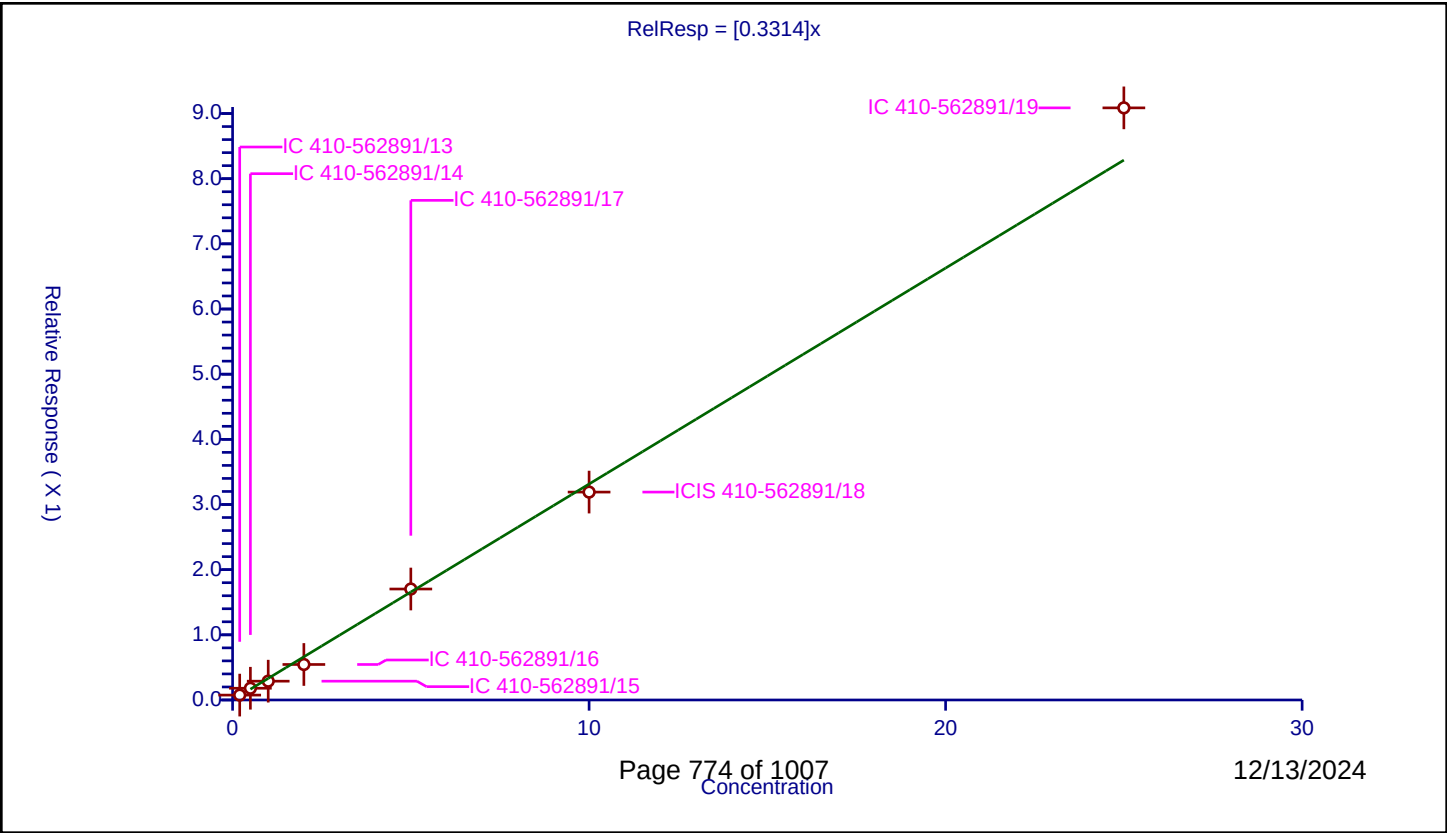


Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.3314
Error Coefficients	

Relative Standard Deviation: 11.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.075002	10.0	2082750.0	0.375009	Y
2	IC 410-562891/14	0.5	0.180205	10.0	2073531.0	0.360409	Y
3	IC 410-562891/15	1.0	0.288856	10.0	2064073.0	0.288856	Y
4	IC 410-562891/16	2.0	0.544915	10.0	2072912.0	0.272457	Y
5	IC 410-562891/17	5.0	1.702958	10.0	2077057.0	0.340592	Y
6	ICIS 410-562891/18	10.0	3.190437	10.0	2106583.0	0.319044	Y
7	IC 410-562891/19	25.0	9.086751	10.0	2152918.0	0.36347	Y



Calibration

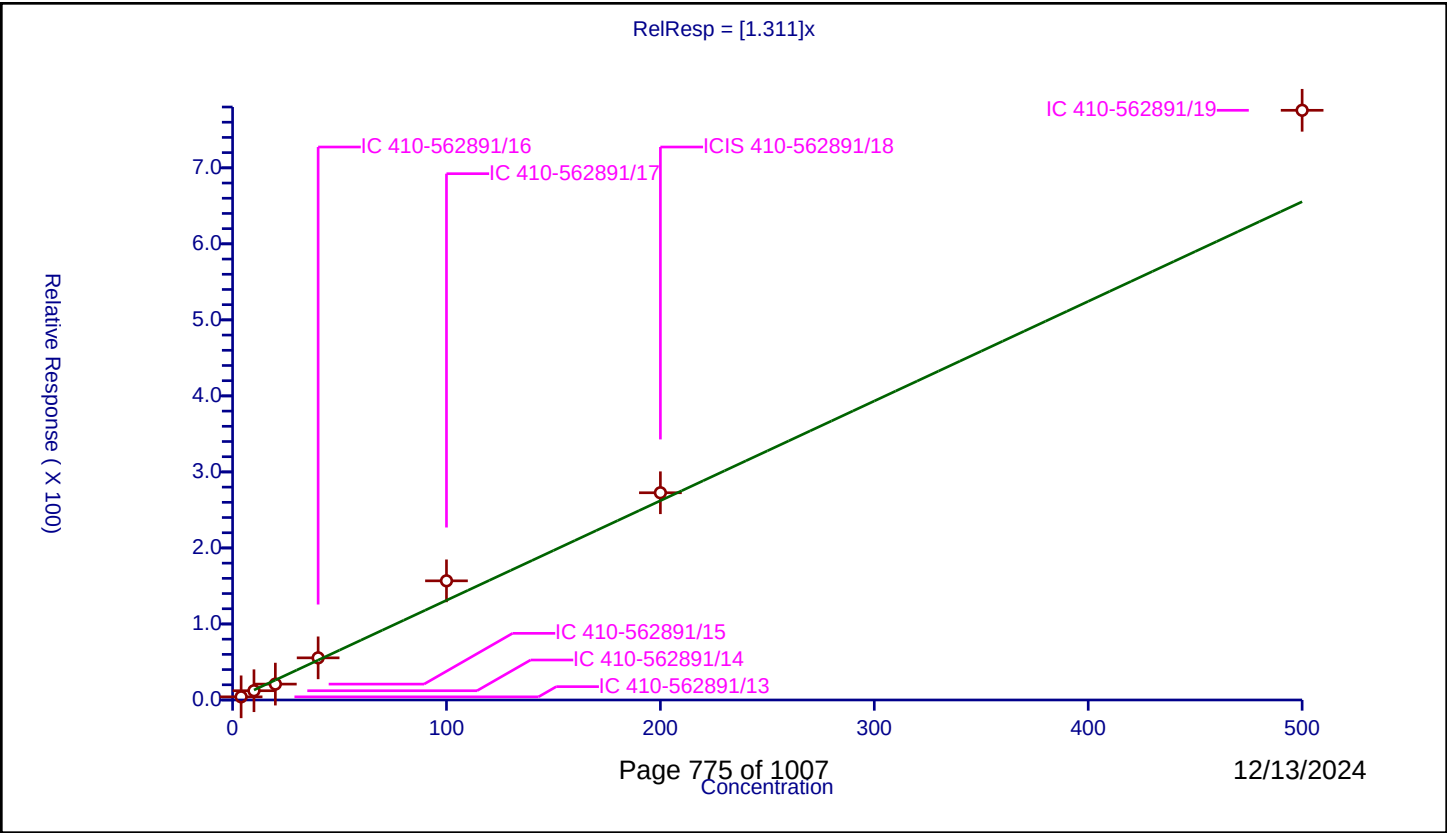
/ Propionitrile

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.311
Error Coefficients	

Relative Standard Deviation: 16.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	4.0	4.173726	50.0	89716.0	1.043431	Y
2	IC 410-562891/14	10.0	12.199976	50.0	93201.0	1.219998	Y
3	IC 410-562891/15	20.0	20.900695	50.0	100267.0	1.045035	Y
4	IC 410-562891/16	40.0	55.44081	50.0	93056.0	1.38602	Y
5	IC 410-562891/17	100.0	156.743428	50.0	95404.0	1.567434	Y
6	ICIS 410-562891/18	200.0	272.586944	50.0	108835.0	1.362935	Y
7	IC 410-562891/19	500.0	775.694422	50.0	94503.0	1.551389	Y



Calibration

/ Methacrylonitrile

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

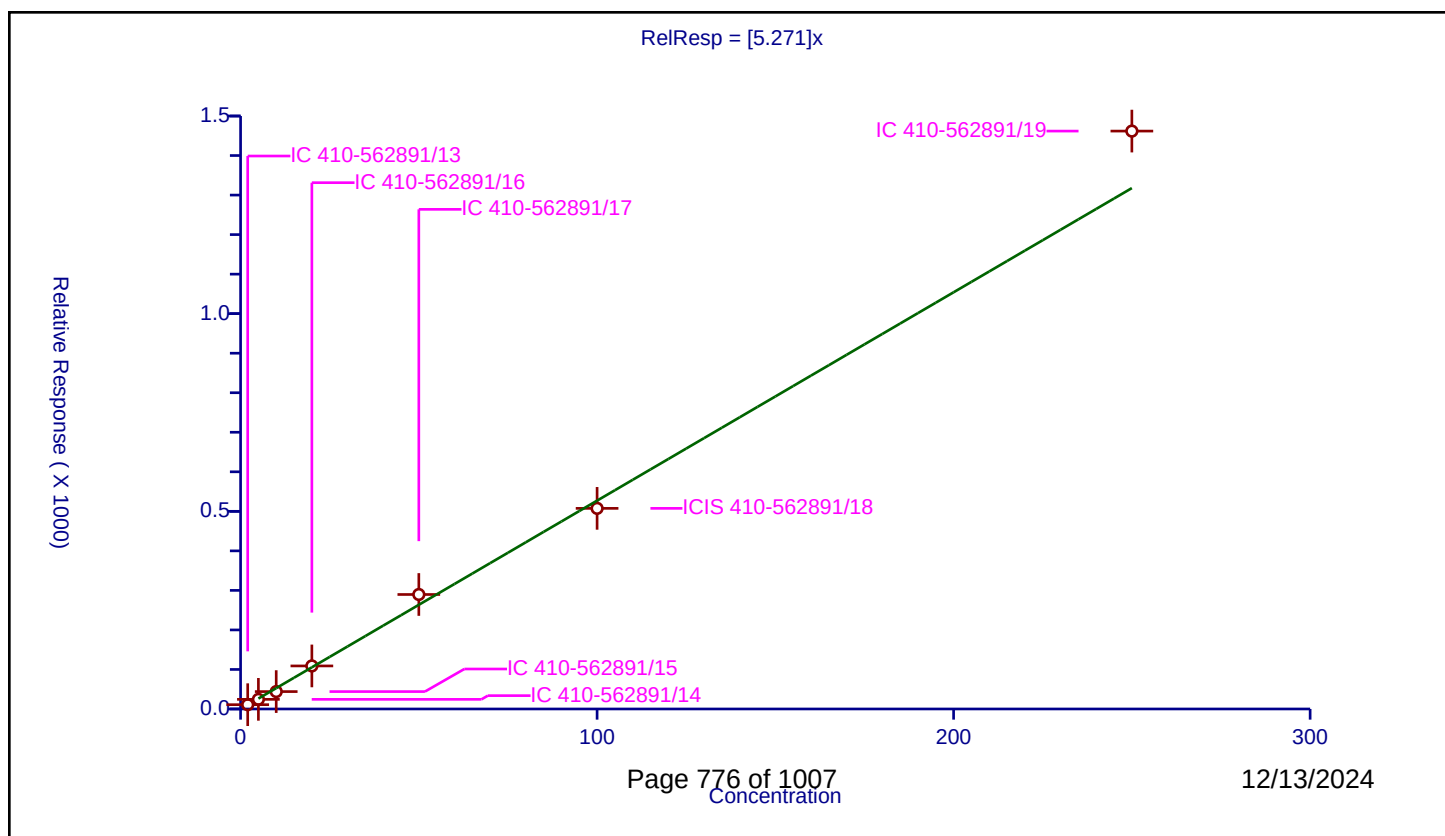
Curve Coefficients

Intercept: 0
Slope: 5.271

Error Coefficients

Relative Standard Deviation: 9.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	2.0	10.902738	50.0	89716.0	5.451369	Y
2	IC 410-562891/14	5.0	24.410146	50.0	93201.0	4.882029	Y
3	IC 410-562891/15	10.0	43.998025	50.0	100267.0	4.399803	Y
4	IC 410-562891/16	20.0	108.926345	50.0	93056.0	5.446317	Y
5	IC 410-562891/17	50.0	289.601065	50.0	95404.0	5.792021	Y
6	ICIS 410-562891/18	100.0	507.521477	50.0	108835.0	5.075215	Y
7	IC 410-562891/19	250.0	1461.853063	50.0	94503.0	5.847412	Y



Calibration

/ Chlorobromomethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

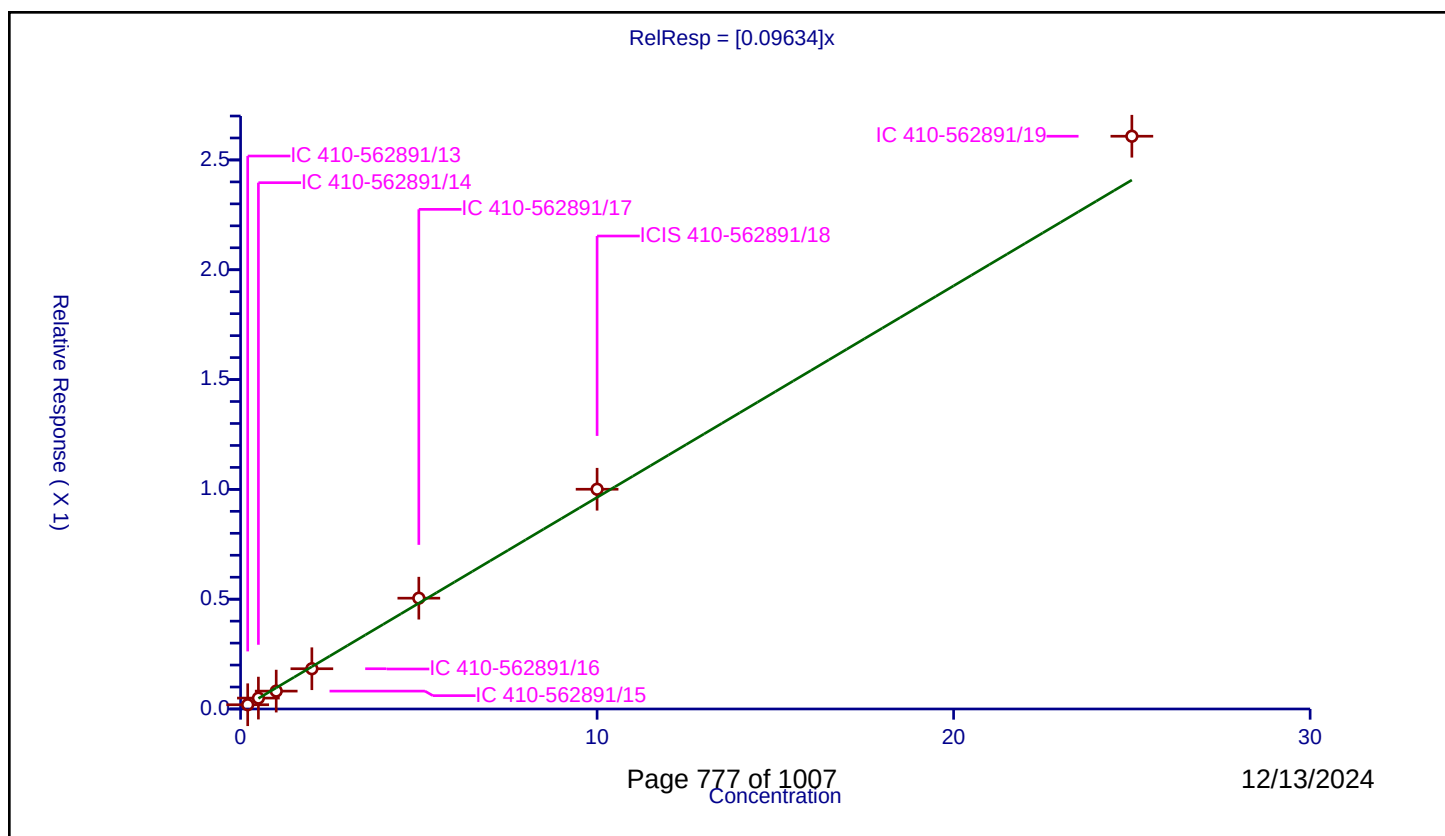
Curve Coefficients

Intercept: 0
Slope: 0.09634

Error Coefficients

Relative Standard Deviation: 7.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.019378	10.0	2082750.0	0.096891	Y
2	IC 410-562891/14	0.5	0.049568	10.0	2073531.0	0.099135	Y
3	IC 410-562891/15	1.0	0.081422	10.0	2064073.0	0.081422	Y
4	IC 410-562891/16	2.0	0.183278	10.0	2072912.0	0.091639	Y
5	IC 410-562891/17	5.0	0.504623	10.0	2077057.0	0.100925	Y
6	ICIS 410-562891/18	10.0	1.00053	10.0	2106583.0	0.100053	Y
7	IC 410-562891/19	25.0	2.60793	10.0	2152918.0	0.104317	Y



Calibration

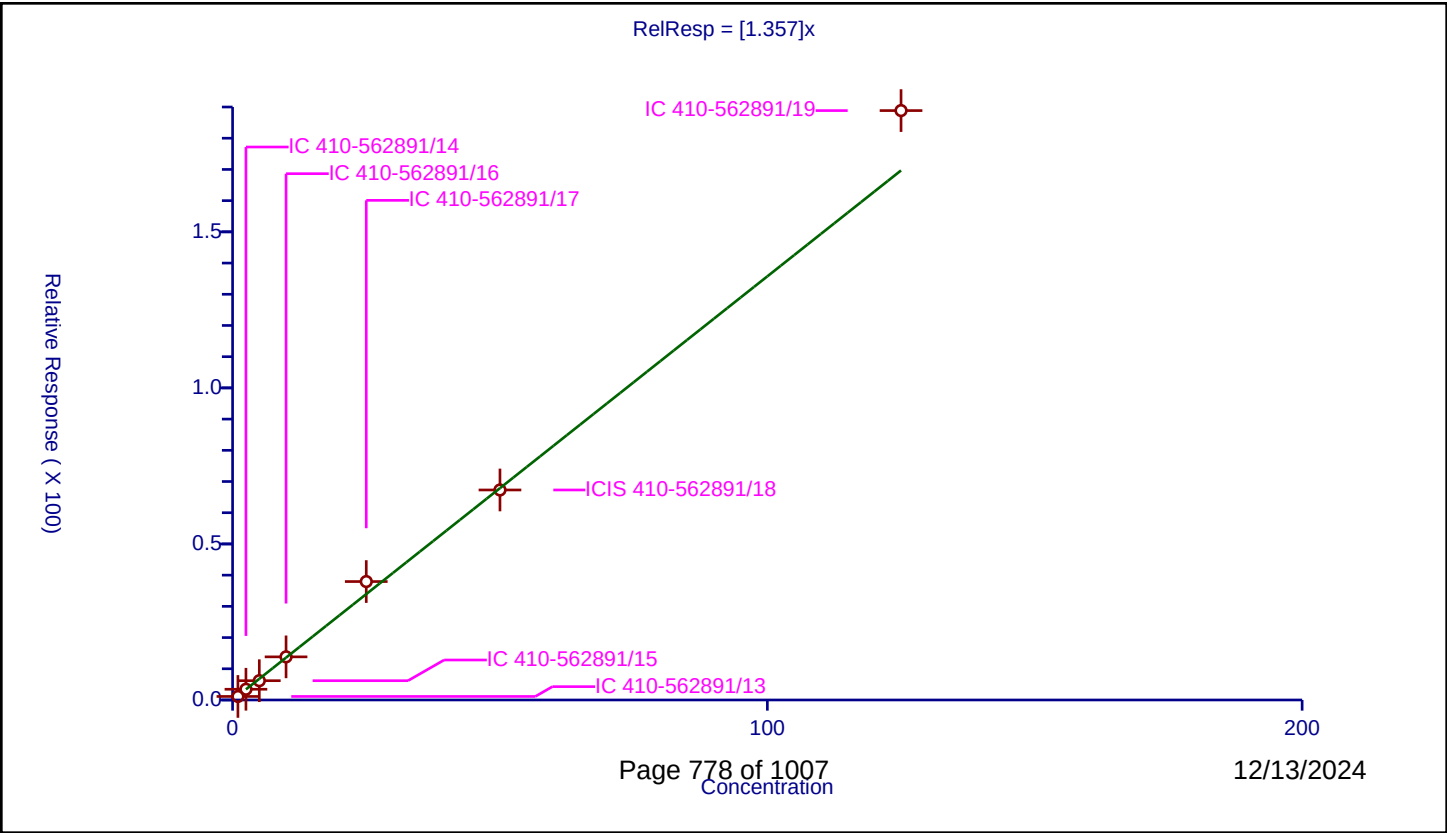
/ Tetrahydrofuran

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.357
Error Coefficients	

Relative Standard Deviation: 10.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	1.0	1.132462	50.0	89716.0	1.132462	Y
2	IC 410-562891/14	2.5	3.442023	50.0	93201.0	1.376809	Y
3	IC 410-562891/15	5.0	6.178503	50.0	100267.0	1.235701	Y
4	IC 410-562891/16	10.0	13.822859	50.0	93056.0	1.382286	Y
5	IC 410-562891/17	25.0	37.948094	50.0	95404.0	1.517924	Y
6	ICIS 410-562891/18	50.0	67.295447	50.0	108835.0	1.345909	Y
7	IC 410-562891/19	125.0	188.858555	50.0	94503.0	1.510868	Y



Calibration

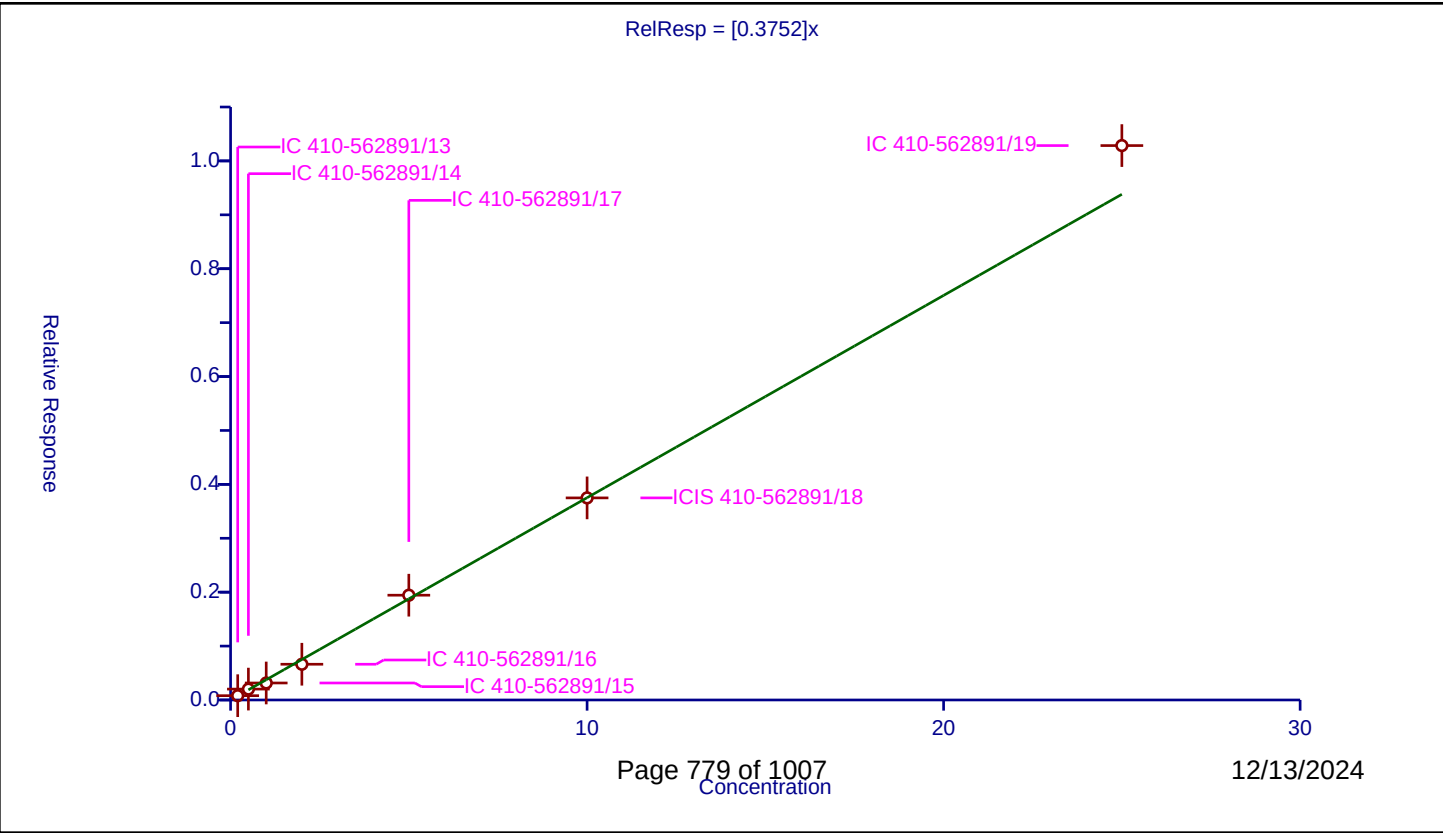
/ Chloroform

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.3752

Error Coefficients	
Relative Standard Deviation:	10.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.080115	10.0	2082750.0	0.400576	Y
2	IC 410-562891/14	0.5	0.202085	10.0	2073531.0	0.40417	Y
3	IC 410-562891/15	1.0	0.315323	10.0	2064073.0	0.315323	Y
4	IC 410-562891/16	2.0	0.663251	10.0	2072912.0	0.331625	Y
5	IC 410-562891/17	5.0	1.943721	10.0	2077057.0	0.388744	Y
6	ICIS 410-562891/18	10.0	3.748744	10.0	2106583.0	0.374874	Y
7	IC 410-562891/19	25.0	10.284906	10.0	2152918.0	0.411396	Y



Calibration

/ Dibromofluoromethane (Surr)

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

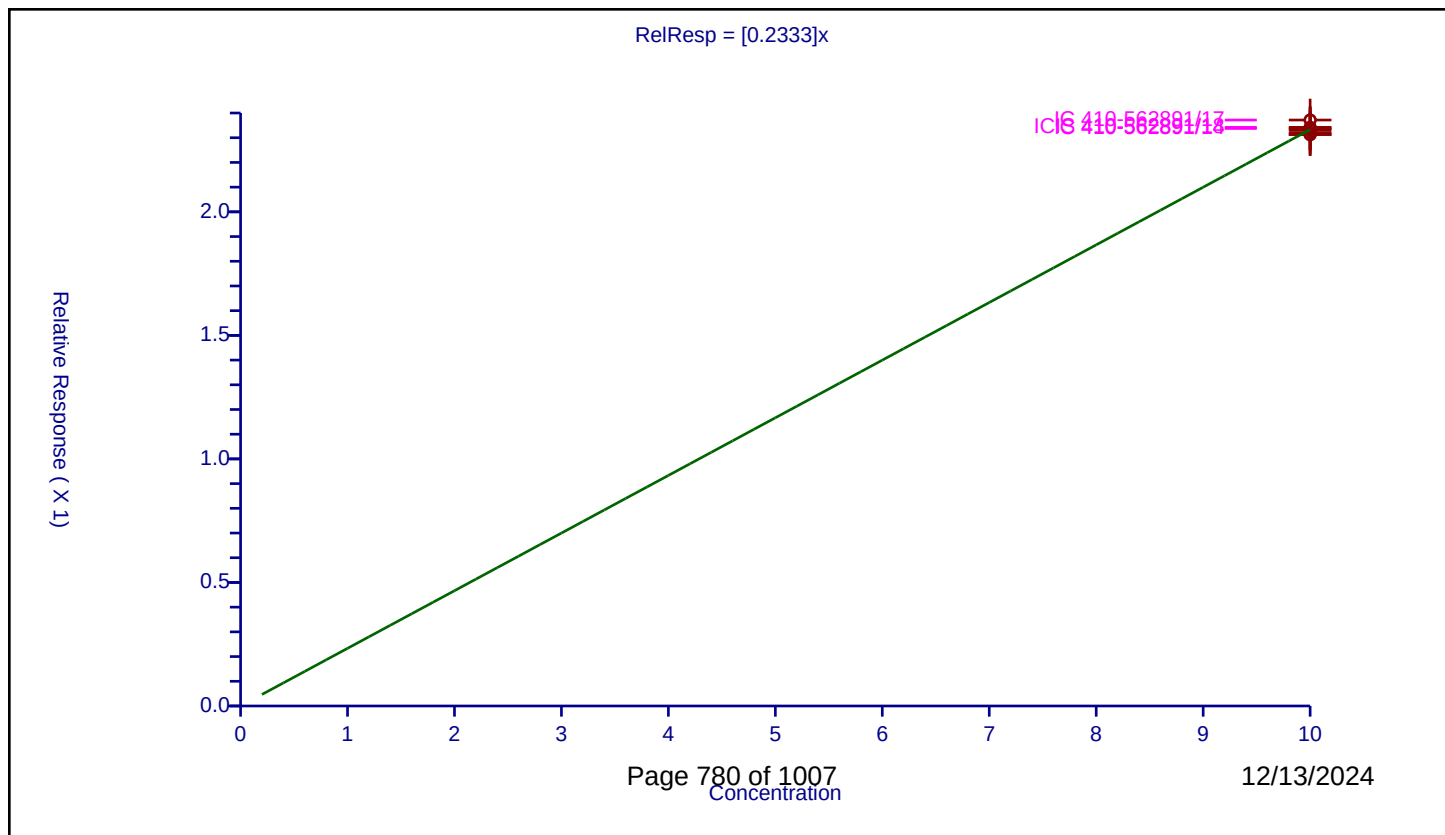
Curve Coefficients

Intercept: 0
 Slope: 0.2333

Error Coefficients

Relative Standard Deviation: 0.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	10.0	2.321148	10.0	2082750.0	0.232115	Y
2	IC 410-562891/14	10.0	2.337414	10.0	2073531.0	0.233741	Y
3	IC 410-562891/15	10.0	2.313348	10.0	2064073.0	0.231335	Y
4	IC 410-562891/16	10.0	2.332062	10.0	2072912.0	0.233206	Y
5	IC 410-562891/17	10.0	2.371615	10.0	2077057.0	0.237162	Y
6	ICIS 410-562891/18	10.0	2.341925	10.0	2106583.0	0.234193	Y
7	IC 410-562891/19	10.0	2.312763	10.0	2152918.0	0.231276	Y



Calibration

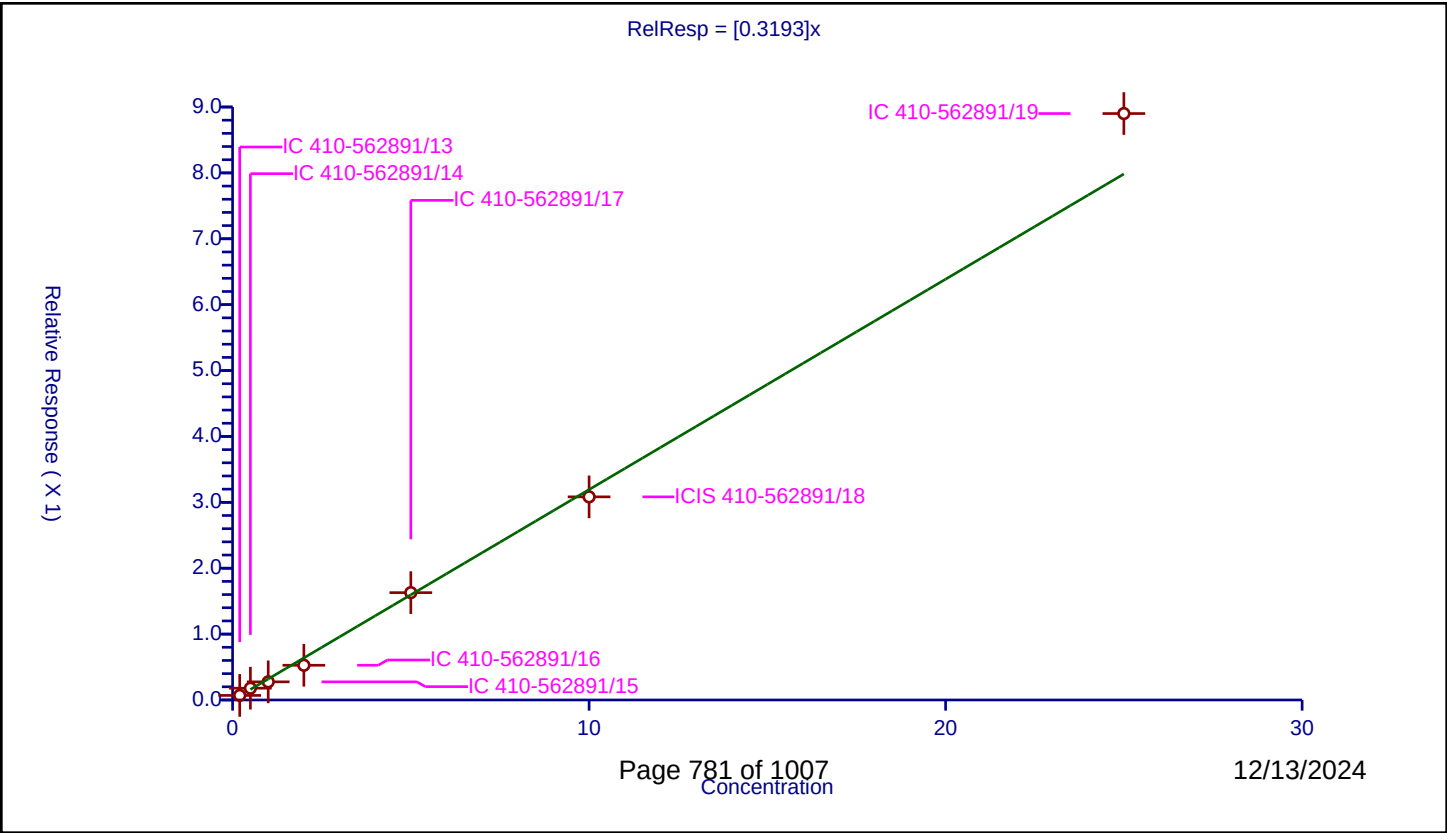
/ 1,1,1-Trichloroethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.3193
Error Coefficients	

Relative Standard Deviation: 12.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.069576	10.0	2082750.0	0.347881	Y
2	IC 410-562891/14	0.5	0.179115	10.0	2073531.0	0.35823	Y
3	IC 410-562891/15	1.0	0.275494	10.0	2064073.0	0.275494	Y
4	IC 410-562891/16	2.0	0.527186	10.0	2072912.0	0.263593	Y
5	IC 410-562891/17	5.0	1.62919	10.0	2077057.0	0.325838	Y
6	ICIS 410-562891/18	10.0	3.083016	10.0	2106583.0	0.308302	Y
7	IC 410-562891/19	25.0	8.900697	10.0	2152918.0	0.356028	Y



Calibration

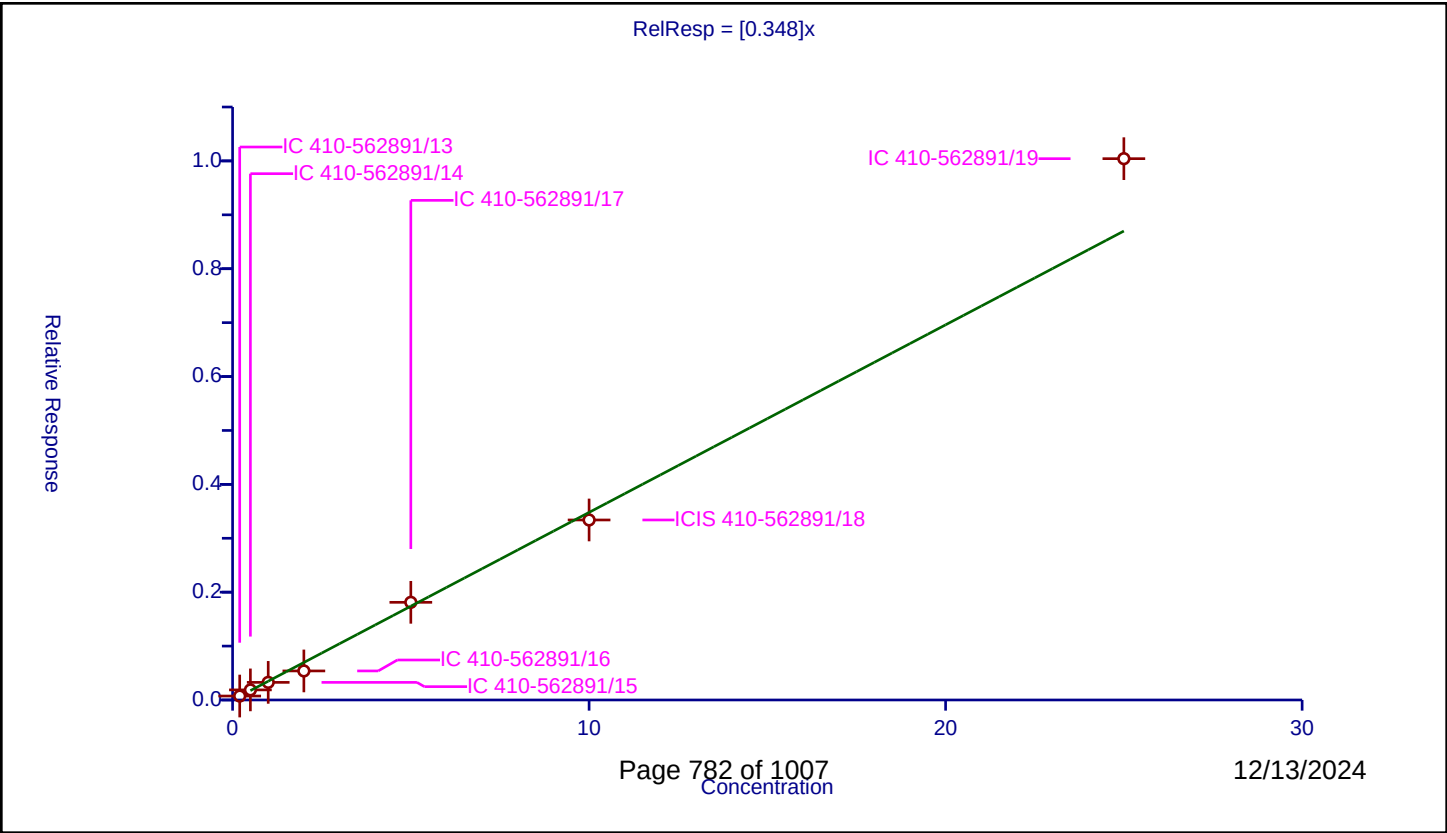
/ Cyclohexane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.348
Error Coefficients	

Relative Standard Deviation: 12.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.073403	10.0	2082750.0	0.367015	Y
2	IC 410-562891/14	0.5	0.187251	10.0	2073531.0	0.374501	Y
3	IC 410-562891/15	1.0	0.326878	10.0	2064073.0	0.326878	Y
4	IC 410-562891/16	2.0	0.538754	10.0	2072912.0	0.269377	Y
5	IC 410-562891/17	5.0	1.81191	10.0	2077057.0	0.362382	Y
6	ICIS 410-562891/18	10.0	3.339498	10.0	2106583.0	0.33395	Y
7	IC 410-562891/19	25.0	10.041683	10.0	2152918.0	0.401667	Y

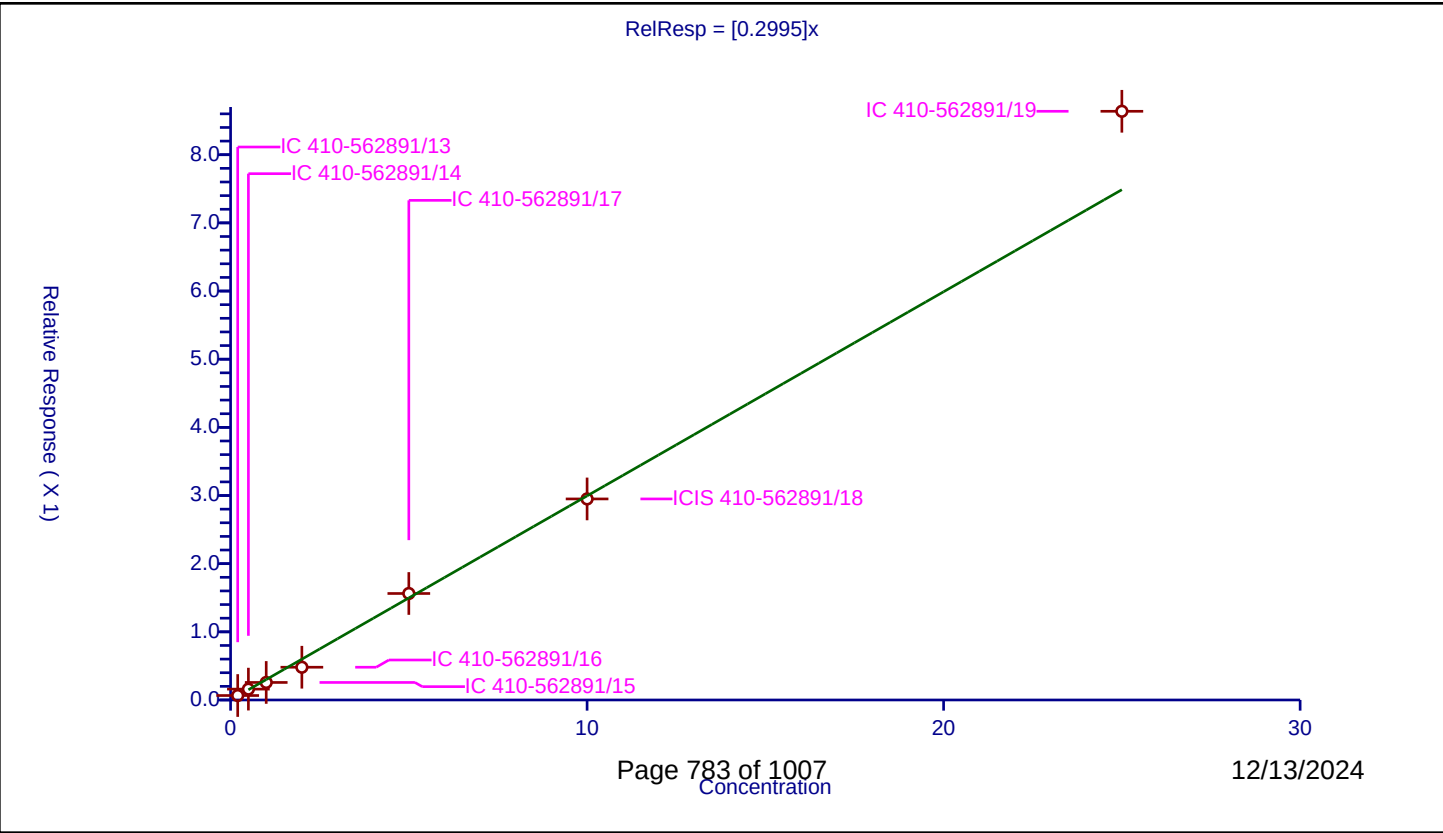


Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.2995
Error Coefficients	

Relative Standard Deviation: 12.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.06537	10.0	2082750.0	0.326852	Y
2	IC 410-562891/14	0.5	0.159506	10.0	2073531.0	0.319011	Y
3	IC 410-562891/15	1.0	0.257258	10.0	2064073.0	0.257258	Y
4	IC 410-562891/16	2.0	0.480522	10.0	2072912.0	0.240261	Y
5	IC 410-562891/17	5.0	1.562437	10.0	2077057.0	0.312487	Y
6	ICIS 410-562891/18	10.0	2.949715	10.0	2106583.0	0.294972	Y
7	IC 410-562891/19	25.0	8.637277	10.0	2152918.0	0.345491	Y



Calibration

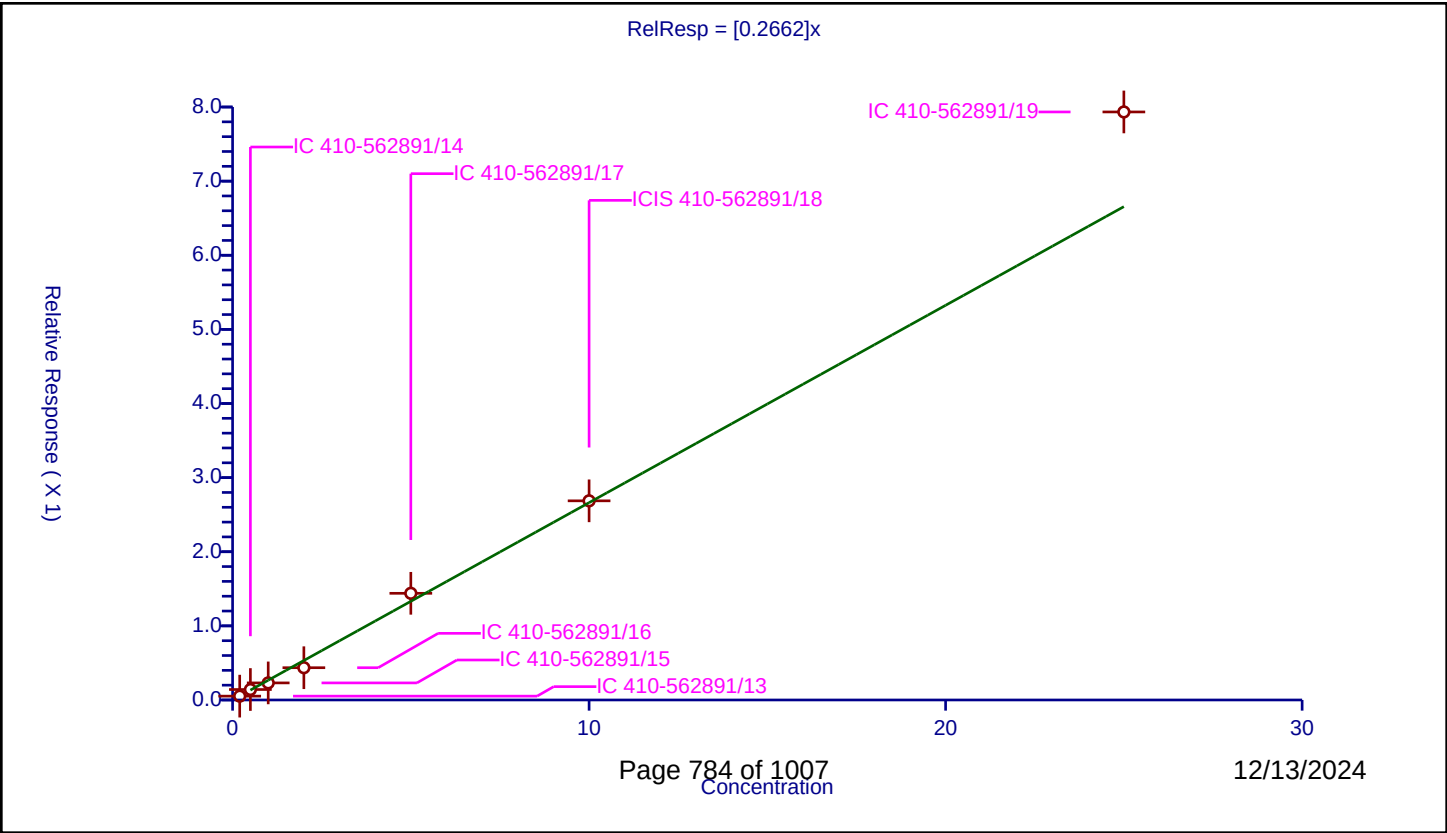
/ Carbon tetrachloride

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.2662
Error Coefficients	

Relative Standard Deviation: 12.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.051874	10.0	2082750.0	0.259369	Y
2	IC 410-562891/14	0.5	0.141136	10.0	2073531.0	0.282272	Y
3	IC 410-562891/15	1.0	0.230389	10.0	2064073.0	0.230389	Y
4	IC 410-562891/16	2.0	0.435416	10.0	2072912.0	0.217708	Y
5	IC 410-562891/17	5.0	1.439113	10.0	2077057.0	0.287823	Y
6	ICIS 410-562891/18	10.0	2.687081	10.0	2106583.0	0.268708	Y
7	IC 410-562891/19	25.0	7.933493	10.0	2152918.0	0.31734	Y



Calibration

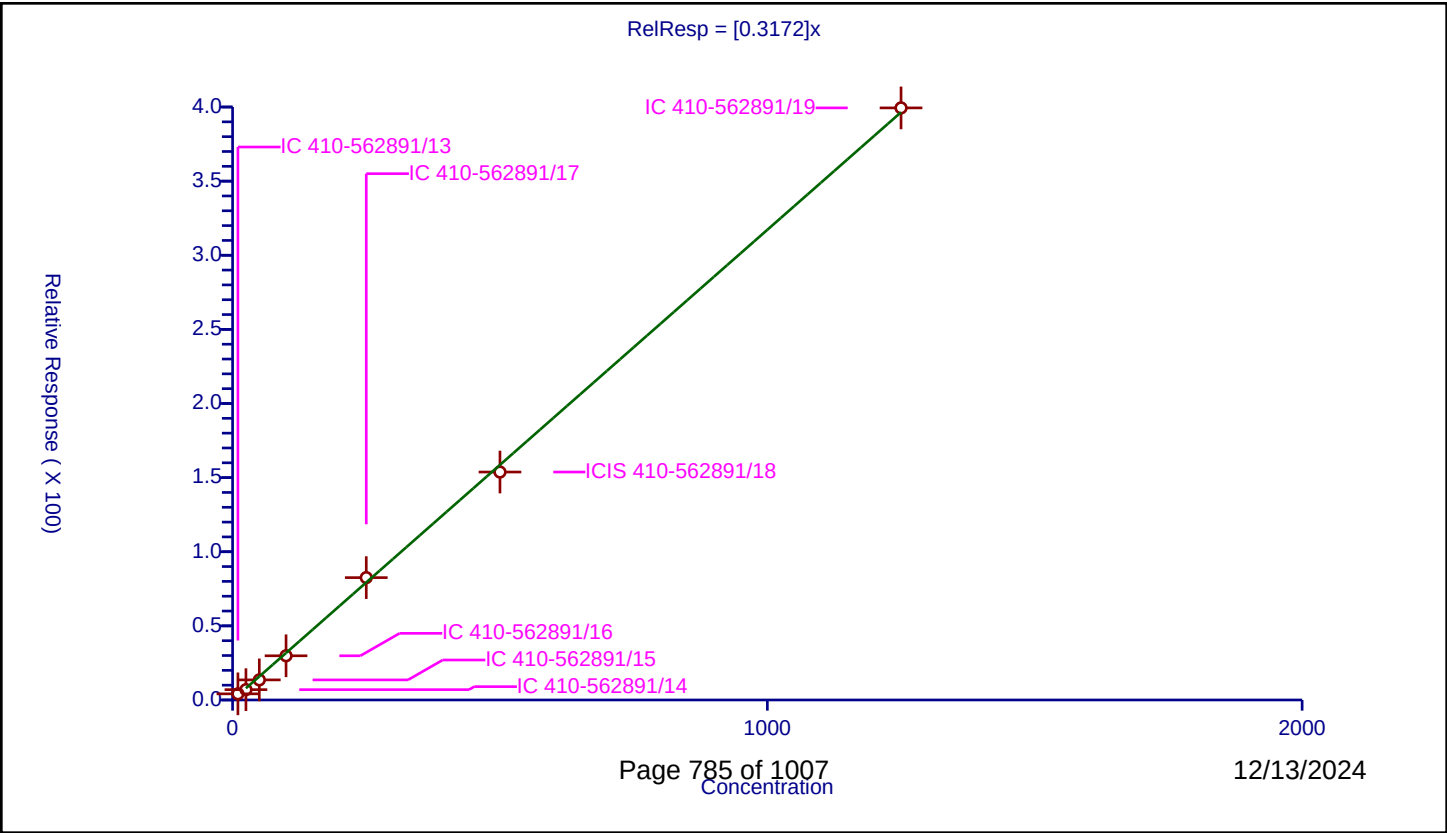
/ Isobutyl alcohol

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.3172
Error Coefficients	

Relative Standard Deviation: 15.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	10.0	4.149761	50.0	89716.0	0.414976	Y
2	IC 410-562891/14	25.0	6.969882	50.0	93201.0	0.278795	Y
3	IC 410-562891/15	50.0	13.560793	50.0	100267.0	0.271216	Y
4	IC 410-562891/16	100.0	29.808395	50.0	93056.0	0.298084	Y
5	IC 410-562891/17	250.0	82.531131	50.0	95404.0	0.330125	Y
6	ICIS 410-562891/18	500.0	153.773602	50.0	108835.0	0.307547	Y
7	IC 410-562891/19	1250.0	399.404252	50.0	94503.0	0.319523	Y



Calibration

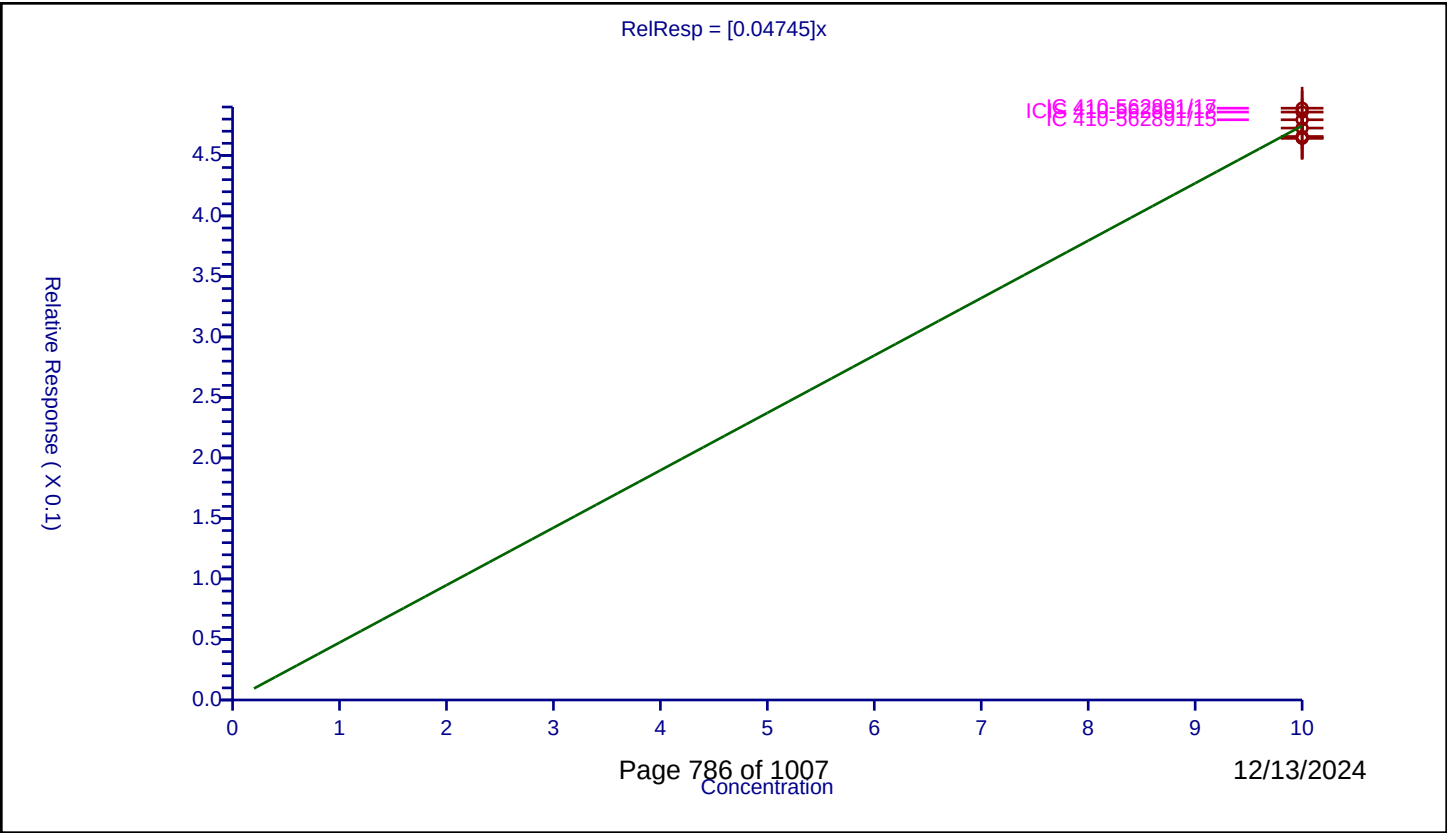
/ 1,2-Dichloroethane-d4 (Surr)

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.04745
Error Coefficients	

Relative Standard Deviation: 2.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	10.0	0.465644	10.0	2082750.0	0.046564	Y
2	IC 410-562891/14	10.0	0.464179	10.0	2073531.0	0.046418	Y
3	IC 410-562891/15	10.0	0.479474	10.0	2064073.0	0.047947	Y
4	IC 410-562891/16	10.0	0.472611	10.0	2072912.0	0.047261	Y
5	IC 410-562891/17	10.0	0.489028	10.0	2077057.0	0.048903	Y
6	ICIS 410-562891/18	10.0	0.485806	10.0	2106583.0	0.048581	Y
7	IC 410-562891/19	10.0	0.464439	10.0	2152918.0	0.046444	Y

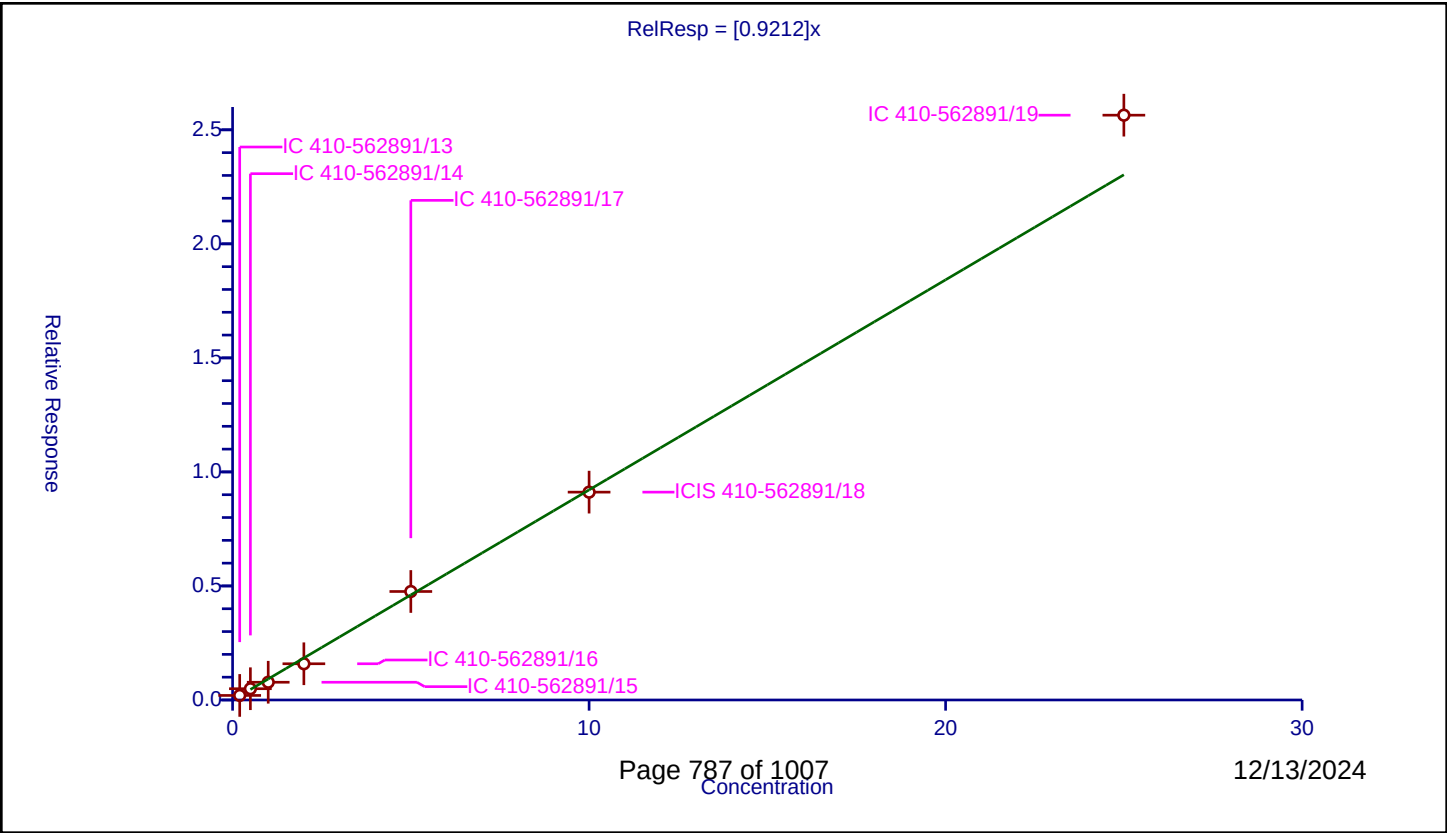


Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.9212
Error Coefficients	

Relative Standard Deviation: 10.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.199573	10.0	2082750.0	0.997863	Y
2	IC 410-562891/14	0.5	0.49449	10.0	2073531.0	0.98898	Y
3	IC 410-562891/15	1.0	0.778558	10.0	2064073.0	0.778558	Y
4	IC 410-562891/16	2.0	1.588813	10.0	2072912.0	0.794407	Y
5	IC 410-562891/17	5.0	4.757168	10.0	2077057.0	0.951434	Y
6	ICIS 410-562891/18	10.0	9.113118	10.0	2106583.0	0.911312	Y
7	IC 410-562891/19	25.0	25.641836	10.0	2152918.0	1.025673	Y



Calibration

/ 1,2-Dichloroethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

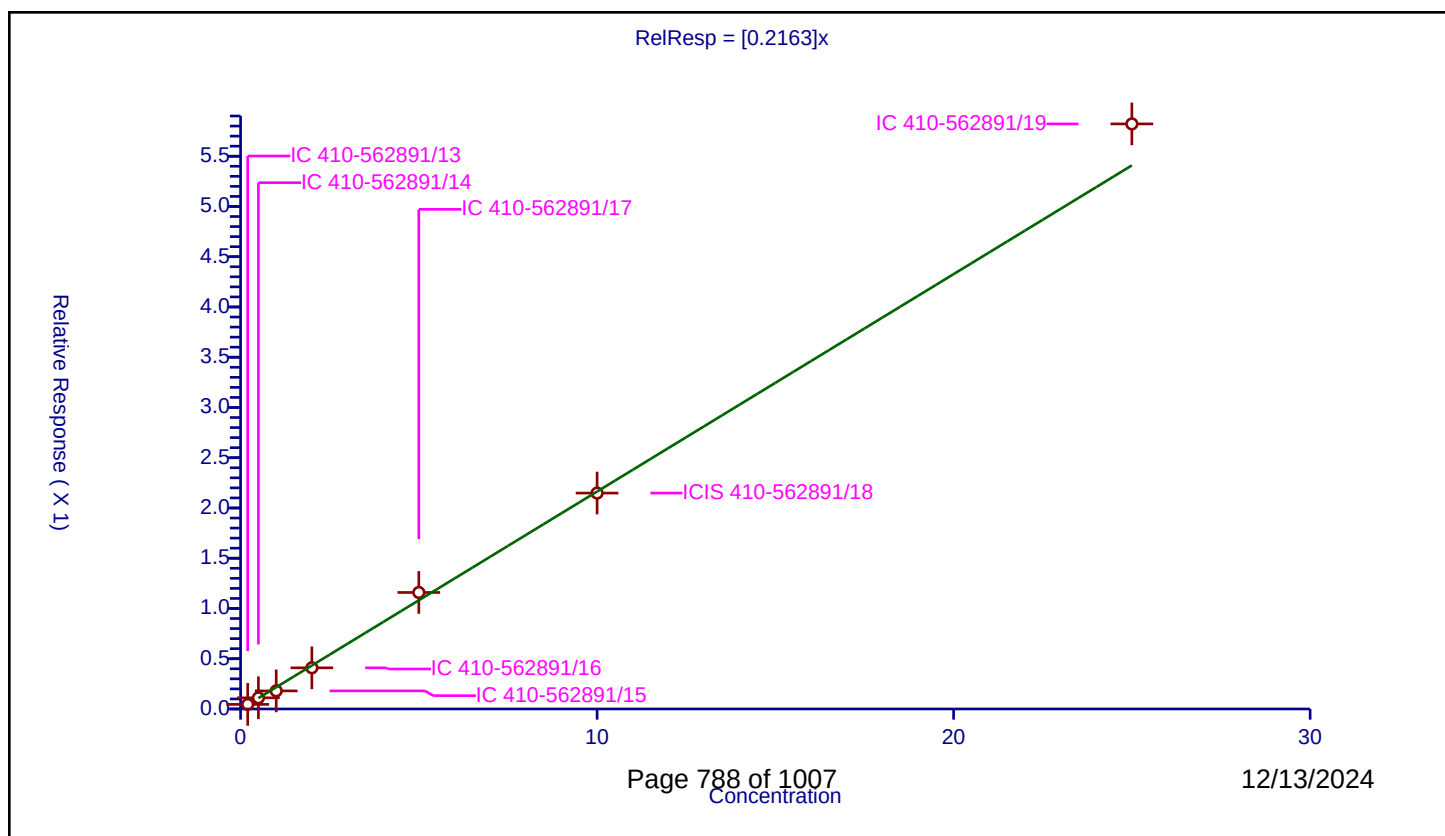
Curve Coefficients

Intercept: 0
Slope: 0.2163

Error Coefficients

Relative Standard Deviation: 8.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.045642	10.0	2082750.0	0.228208	Y
2	IC 410-562891/14	0.5	0.110936	10.0	2073531.0	0.221873	Y
3	IC 410-562891/15	1.0	0.179911	10.0	2064073.0	0.179911	Y
4	IC 410-562891/16	2.0	0.409665	10.0	2072912.0	0.204833	Y
5	IC 410-562891/17	5.0	1.159309	10.0	2077057.0	0.231862	Y
6	ICIS 410-562891/18	10.0	2.148318	10.0	2106583.0	0.214832	Y
7	IC 410-562891/19	25.0	5.821471	10.0	2152918.0	0.232859	Y



Calibration

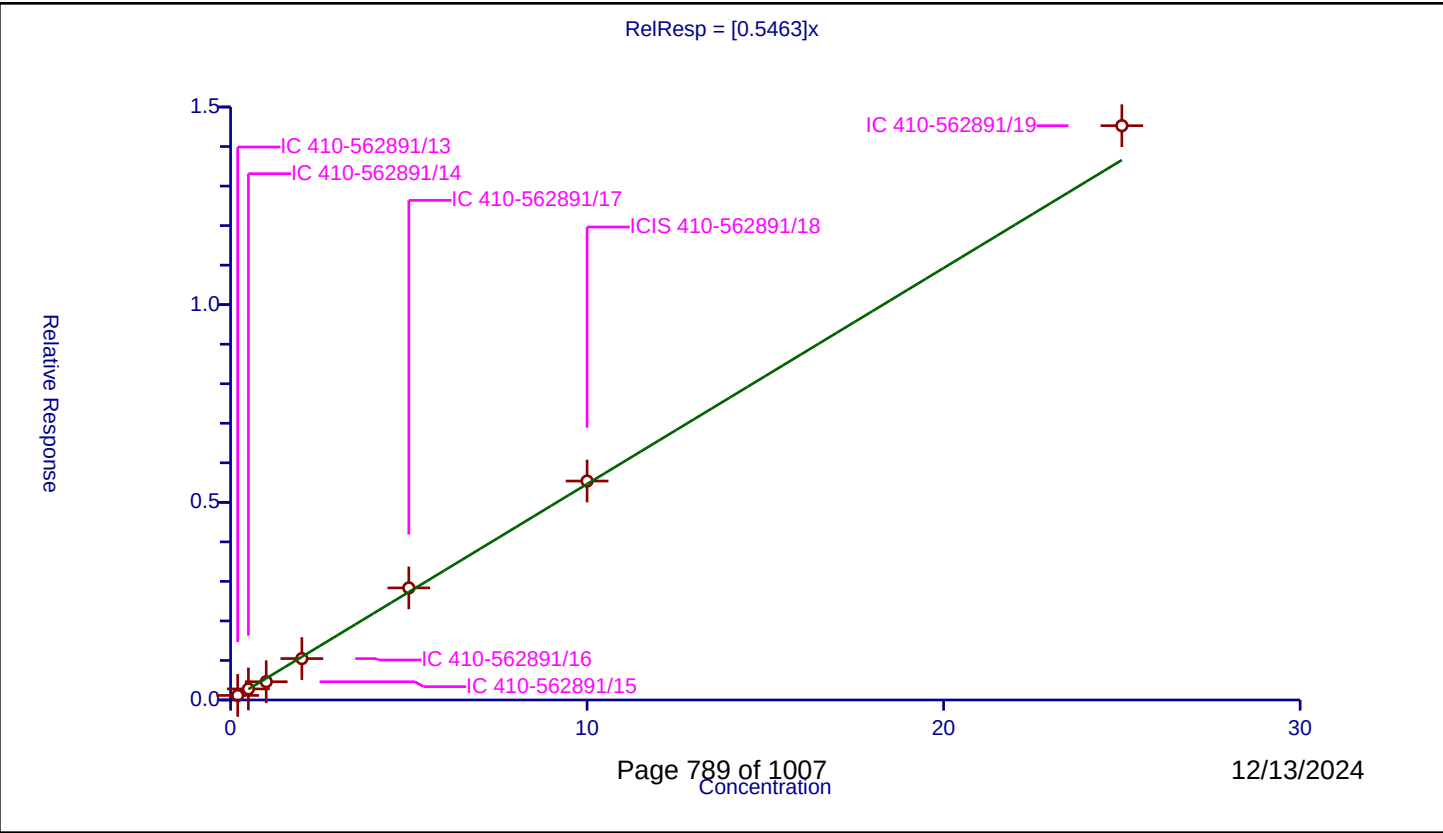
/ Tert-amyl methyl ether

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.5463
Error Coefficients	

Relative Standard Deviation: 7.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.115592	10.0	2082750.0	0.577962	Y
2	IC 410-562891/14	0.5	0.279552	10.0	2073531.0	0.559104	Y
3	IC 410-562891/15	1.0	0.461844	10.0	2064073.0	0.461844	Y
4	IC 410-562891/16	2.0	1.046967	10.0	2072912.0	0.523483	Y
5	IC 410-562891/17	5.0	2.835392	10.0	2077057.0	0.567078	Y
6	ICIS 410-562891/18	10.0	5.538529	10.0	2106583.0	0.553853	Y
7	IC 410-562891/19	25.0	14.527678	10.0	2152918.0	0.581107	Y



Calibration

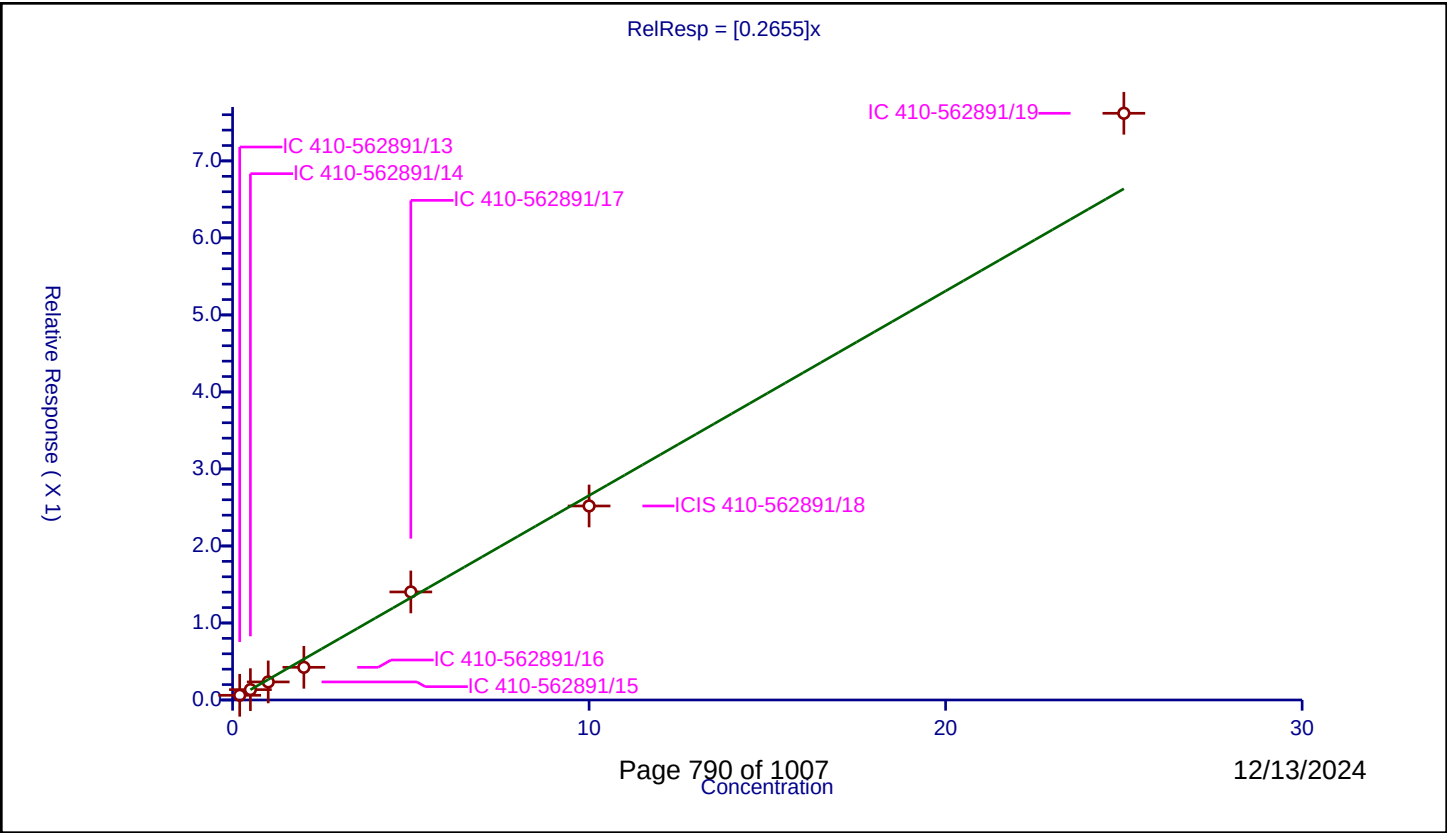
/ n-Heptane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.2655
Error Coefficients	

Relative Standard Deviation: 13.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.061102	10.0	2082750.0	0.30551	Y
2	IC 410-562891/14	0.5	0.134616	10.0	2073531.0	0.269232	Y
3	IC 410-562891/15	1.0	0.23457	10.0	2064073.0	0.23457	Y
4	IC 410-562891/16	2.0	0.42422	10.0	2072912.0	0.21211	Y
5	IC 410-562891/17	5.0	1.402874	10.0	2077057.0	0.280575	Y
6	ICIS 410-562891/18	10.0	2.519473	10.0	2106583.0	0.251947	Y
7	IC 410-562891/19	25.0	7.618734	10.0	2152918.0	0.304749	Y



Calibration

/ n-Butanol

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

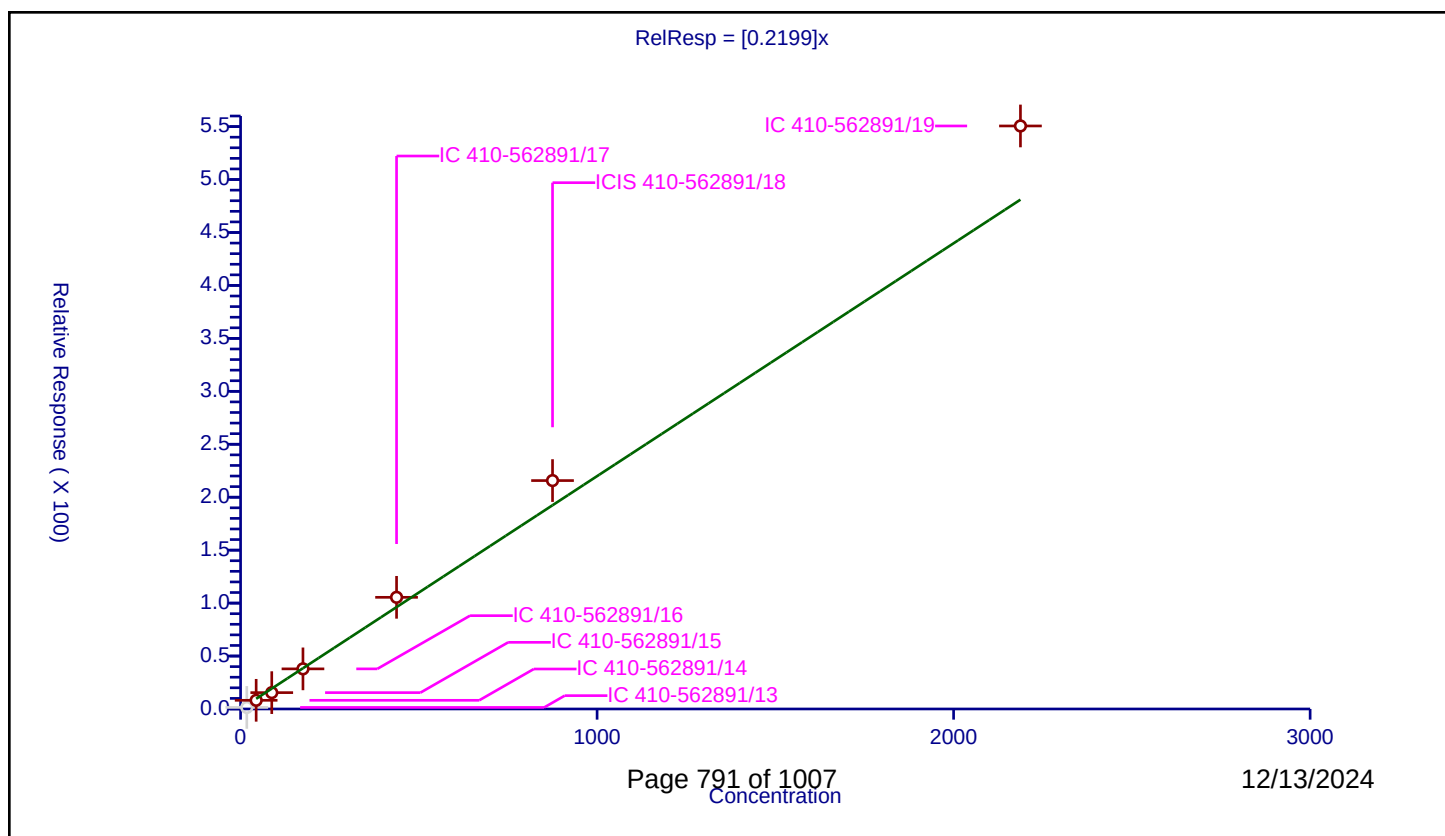
Curve Coefficients

Intercept: 0
Slope: 0.2199

Error Coefficients

Relative Standard Deviation: 14.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	17.5	1.481341	50.0	89716.0	0.084648	N
2	IC 410-562891/14	43.75	8.185534	50.0	93201.0	0.187098	Y
3	IC 410-562891/15	87.5	15.438778	50.0	100267.0	0.176443	Y
4	IC 410-562891/16	175.0	37.892774	50.0	93056.0	0.21653	Y
5	IC 410-562891/17	437.5	105.463083	50.0	95404.0	0.241058	Y
6	ICIS 410-562891/18	875.0	215.721046	50.0	108835.0	0.246538	Y
7	IC 410-562891/19	2187.5	550.605272	50.0	94503.0	0.251705	Y



Calibration

/ Trichloroethene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

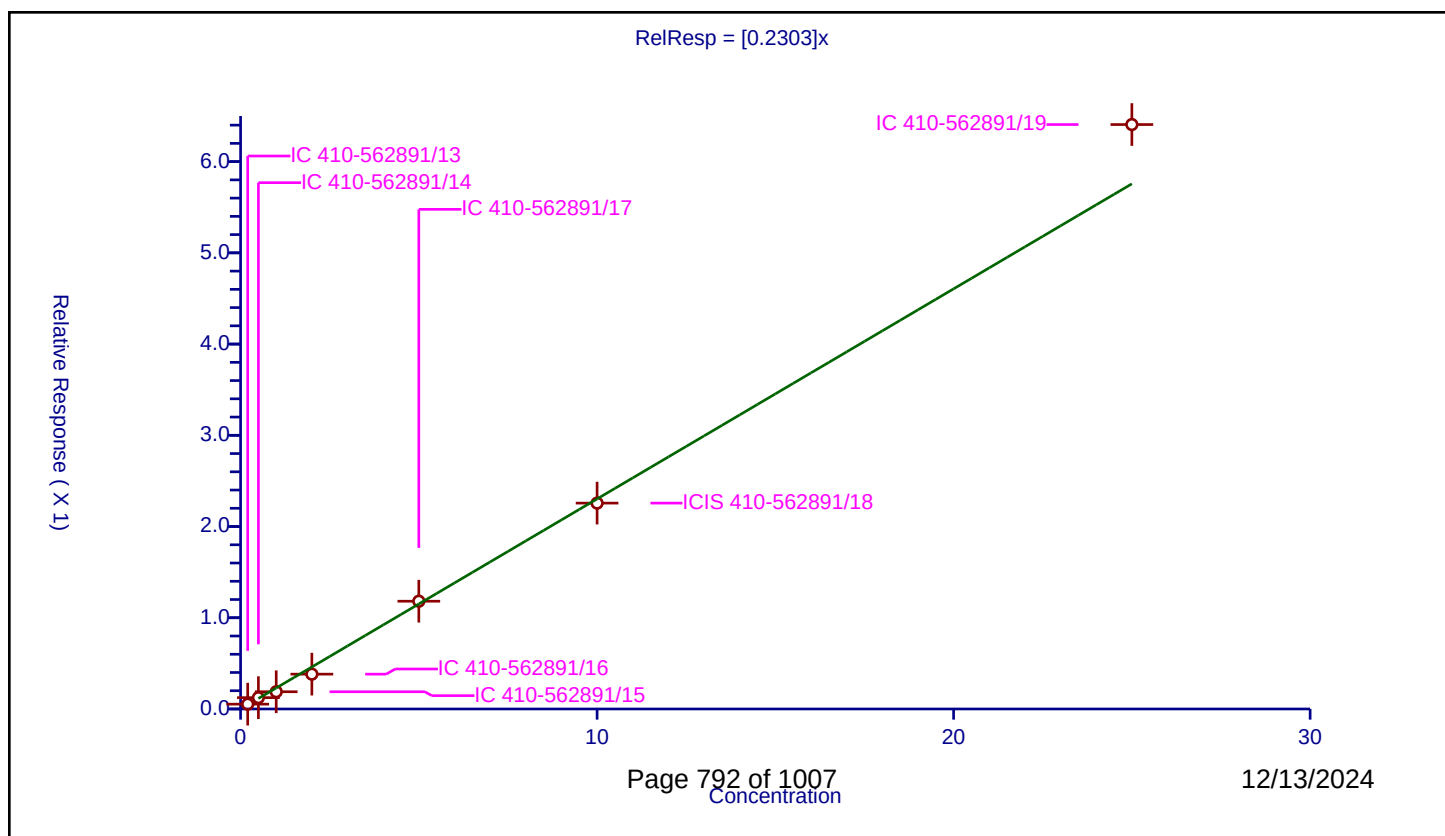
Curve Coefficients

Intercept: 0
Slope: 0.2303

Error Coefficients

Relative Standard Deviation: 13.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.053016	10.0	2082750.0	0.265082	Y
2	IC 410-562891/14	0.5	0.124271	10.0	2073531.0	0.248542	Y
3	IC 410-562891/15	1.0	0.189053	10.0	2064073.0	0.189053	Y
4	IC 410-562891/16	2.0	0.38196	10.0	2072912.0	0.19098	Y
5	IC 410-562891/17	5.0	1.181475	10.0	2077057.0	0.236295	Y
6	ICIS 410-562891/18	10.0	2.256773	10.0	2106583.0	0.225677	Y
7	IC 410-562891/19	25.0	6.406528	10.0	2152918.0	0.256261	Y



Calibration

/ Methylcyclohexane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

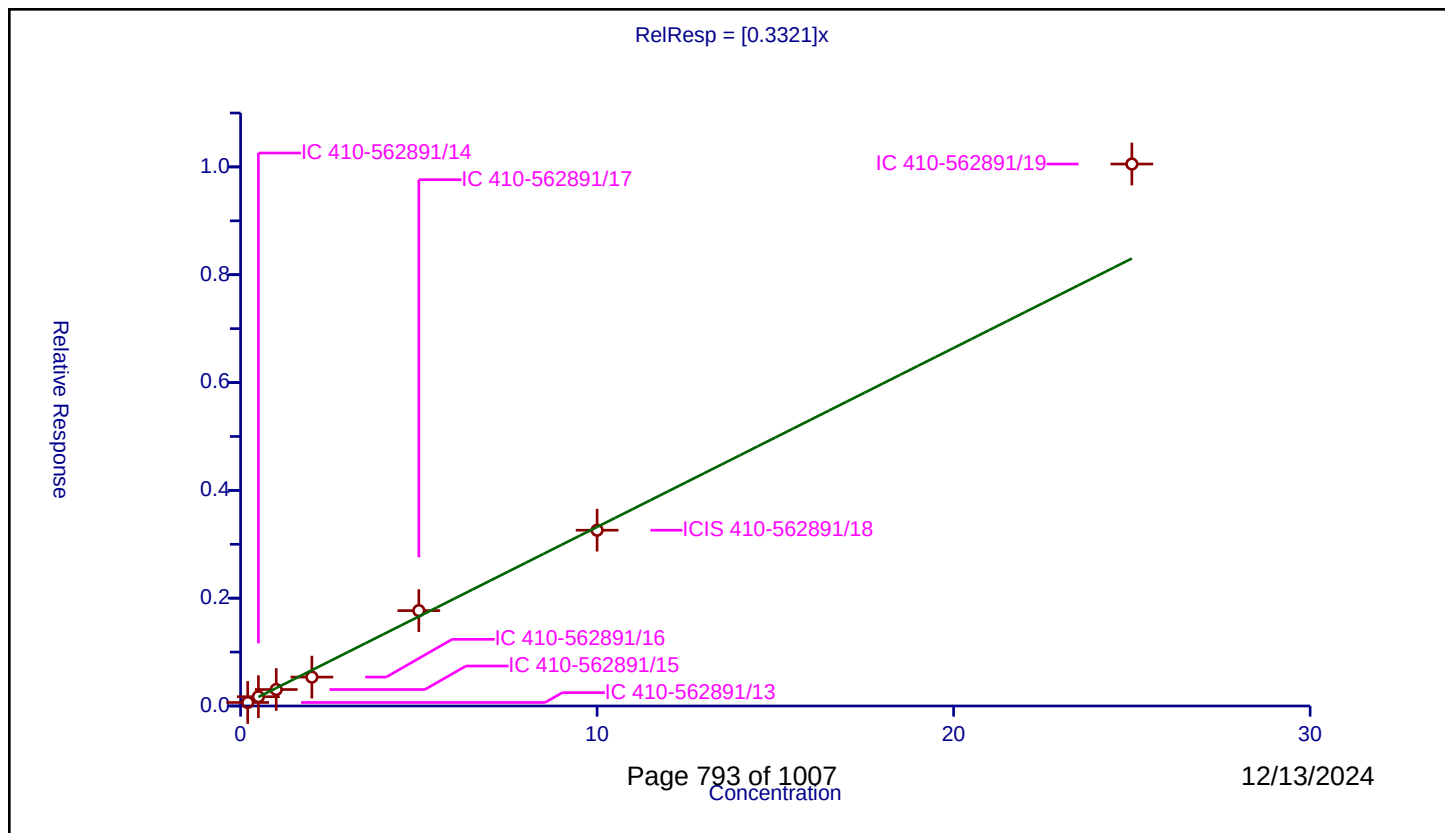
Curve Coefficients

Intercept: 0
Slope: 0.3321

Error Coefficients

Relative Standard Deviation: 12.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.064876	10.0	2082750.0	0.324379	Y
2	IC 410-562891/14	0.5	0.172247	10.0	2073531.0	0.344494	Y
3	IC 410-562891/15	1.0	0.305493	10.0	2064073.0	0.305493	Y
4	IC 410-562891/16	2.0	0.535971	10.0	2072912.0	0.267985	Y
5	IC 410-562891/17	5.0	1.769027	10.0	2077057.0	0.353805	Y
6	ICIS 410-562891/18	10.0	3.260797	10.0	2106583.0	0.32608	Y
7	IC 410-562891/19	25.0	10.053681	10.0	2152918.0	0.402147	Y



Calibration

/ 1,2-Dichloropropane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

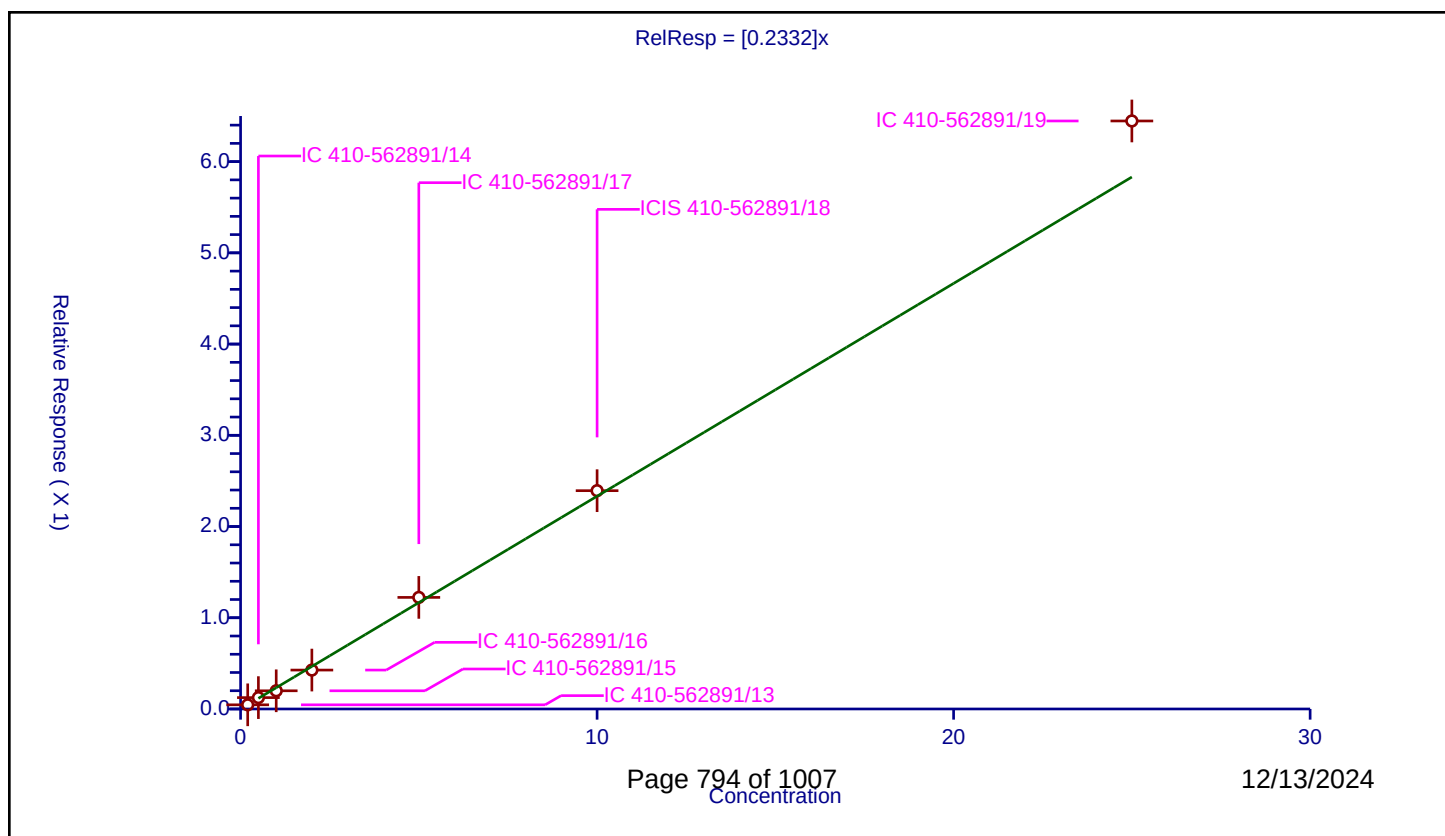
Curve Coefficients

Intercept: 0
Slope: 0.2332

Error Coefficients

Relative Standard Deviation: 8.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.045776	10.0	2082750.0	0.22888	Y
2	IC 410-562891/14	0.5	0.124691	10.0	2073531.0	0.249381	Y
3	IC 410-562891/15	1.0	0.199489	10.0	2064073.0	0.199489	Y
4	IC 410-562891/16	2.0	0.426487	10.0	2072912.0	0.213243	Y
5	IC 410-562891/17	5.0	1.223154	10.0	2077057.0	0.244631	Y
6	ICIS 410-562891/18	10.0	2.392975	10.0	2106583.0	0.239297	Y
7	IC 410-562891/19	25.0	6.445633	10.0	2152918.0	0.257825	Y



Calibration

/ 1,4-Dioxane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

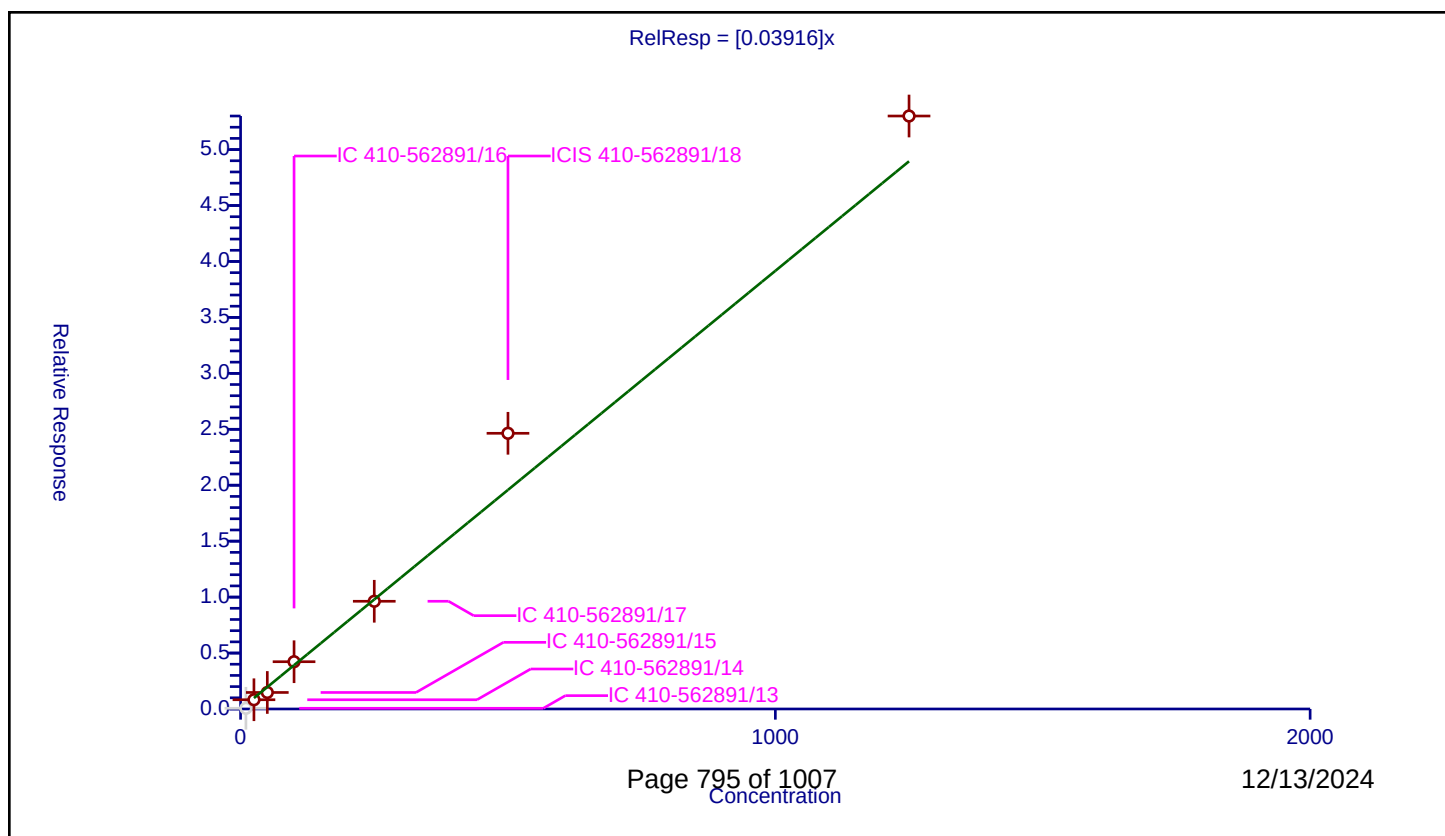
Curve Coefficients

Intercept: 0
Slope: 0.03916

Error Coefficients

Relative Standard Deviation: 18.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	10.0	0.064091	50.0	89716.0	0.006409	N
2	IC 410-562891/14	25.0	0.825098	50.0	93201.0	0.033004	Y
3	IC 410-562891/15	50.0	1.476558	50.0	100267.0	0.029531	Y
4	IC 410-562891/16	100.0	4.224875	50.0	93056.0	0.042249	Y
5	IC 410-562891/17	250.0	9.626955	50.0	95404.0	0.038508	Y
6	ICIS 410-562891/18	500.0	24.641889	50.0	108835.0	0.049284	Y
7	IC 410-562891/19	1250.0	52.998847	50.0	94503.0	0.042399	Y



Calibration

/ Methyl methacrylate

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

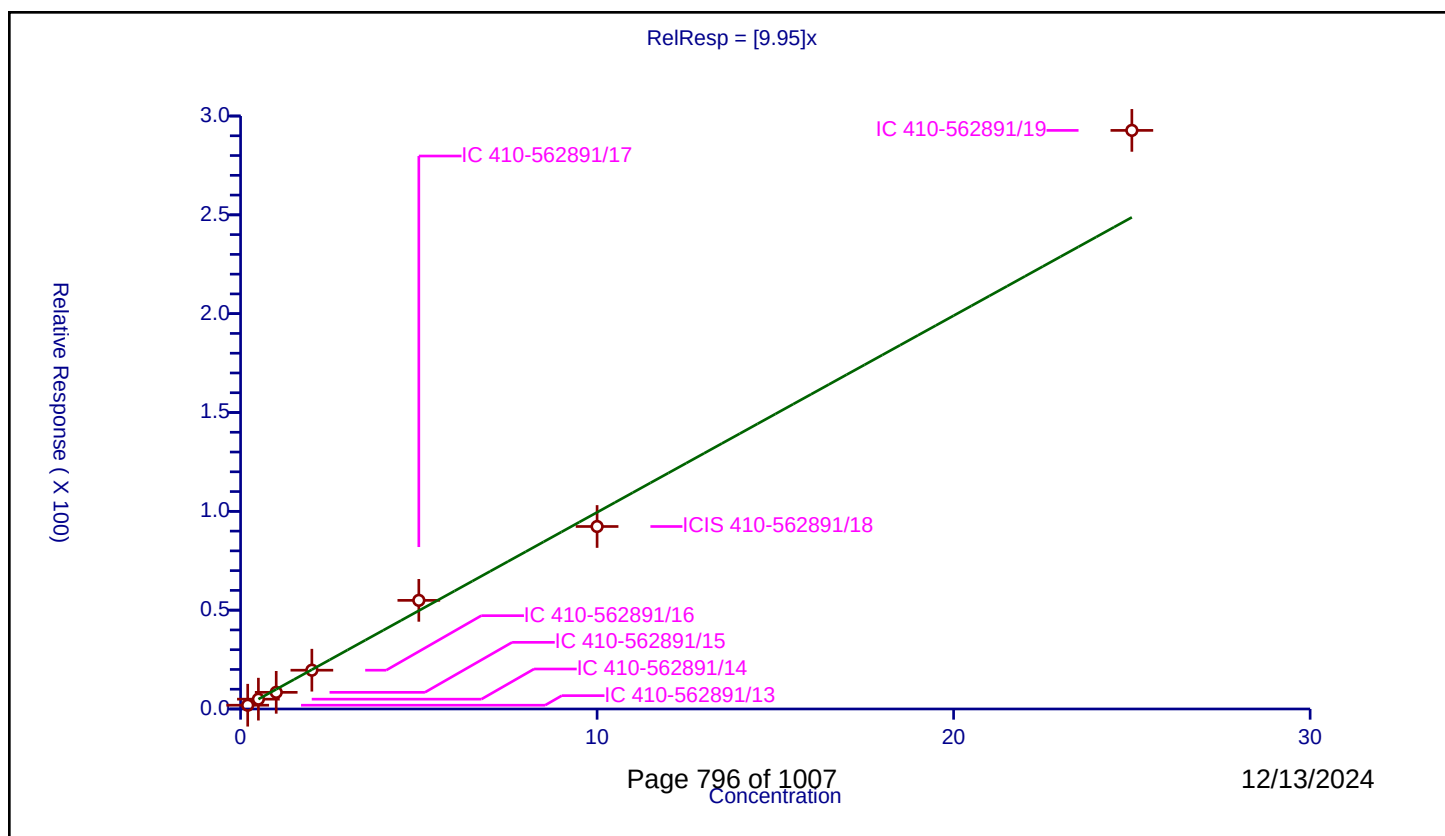
Curve Coefficients

Intercept: 0
Slope: 9.95

Error Coefficients

Relative Standard Deviation: 11.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	1.906572	50.0	89716.0	9.532859	Y
2	IC 410-562891/14	0.5	4.97044	50.0	93201.0	9.94088	Y
3	IC 410-562891/15	1.0	8.426501	50.0	100267.0	8.426501	Y
4	IC 410-562891/16	2.0	19.629041	50.0	93056.0	9.81452	Y
5	IC 410-562891/17	5.0	54.956291	50.0	95404.0	10.991258	Y
6	ICIS 410-562891/18	10.0	92.321863	50.0	108835.0	9.232186	Y
7	IC 410-562891/19	25.0	292.731977	50.0	94503.0	11.709279	Y



Calibration

/ Dibromomethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

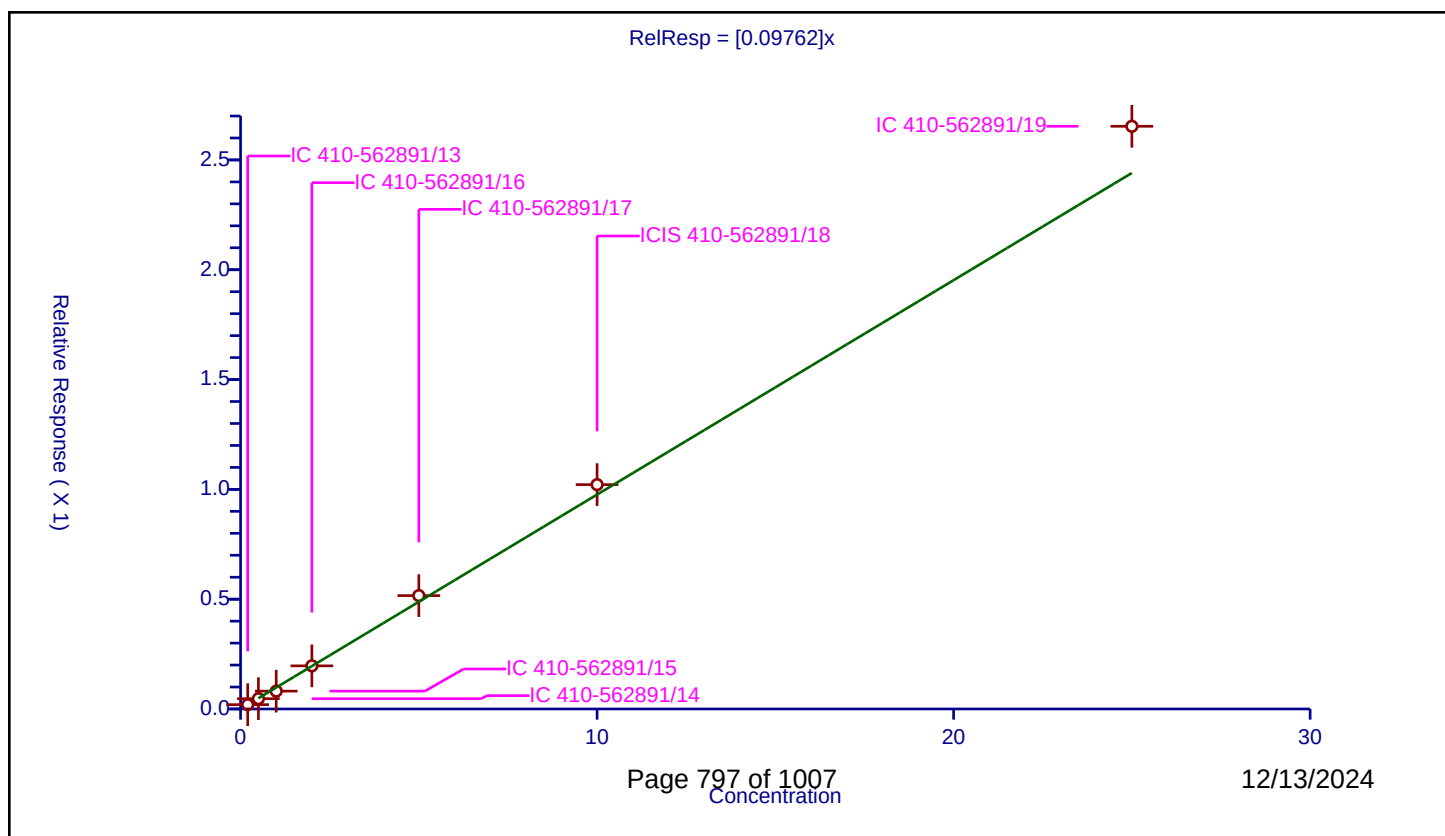
Curve Coefficients

Intercept: 0
Slope: 0.09762

Error Coefficients

Relative Standard Deviation: 8.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.019695	10.0	2082750.0	0.098476	Y
2	IC 410-562891/14	0.5	0.046963	10.0	2073531.0	0.093927	Y
3	IC 410-562891/15	1.0	0.081262	10.0	2064073.0	0.081262	Y
4	IC 410-562891/16	2.0	0.196357	10.0	2072912.0	0.098178	Y
5	IC 410-562891/17	5.0	0.516221	10.0	2077057.0	0.103244	Y
6	ICIS 410-562891/18	10.0	1.021588	10.0	2106583.0	0.102159	Y
7	IC 410-562891/19	25.0	2.653204	10.0	2152918.0	0.106128	Y



Calibration

/ Dichlorobromomethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

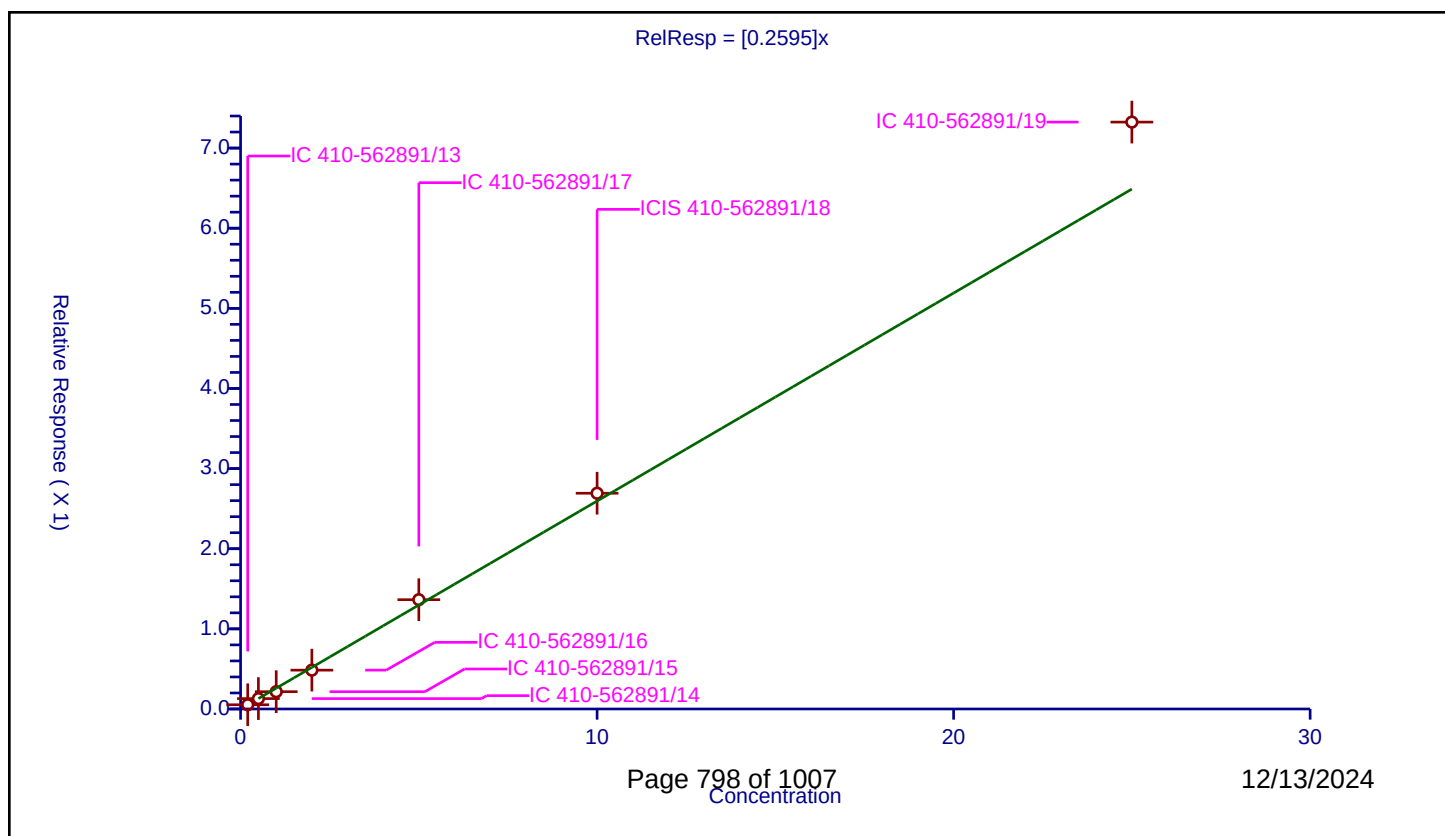
Curve Coefficients

Intercept: 0
Slope: 0.2595

Error Coefficients

Relative Standard Deviation: 9.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.052882	10.0	2082750.0	0.26441	Y
2	IC 410-562891/14	0.5	0.129586	10.0	2073531.0	0.259171	Y
3	IC 410-562891/15	1.0	0.215748	10.0	2064073.0	0.215748	Y
4	IC 410-562891/16	2.0	0.484656	10.0	2072912.0	0.242328	Y
5	IC 410-562891/17	5.0	1.364026	10.0	2077057.0	0.272805	Y
6	ICIS 410-562891/18	10.0	2.692545	10.0	2106583.0	0.269255	Y
7	IC 410-562891/19	25.0	7.32425	10.0	2152918.0	0.29297	Y



Calibration

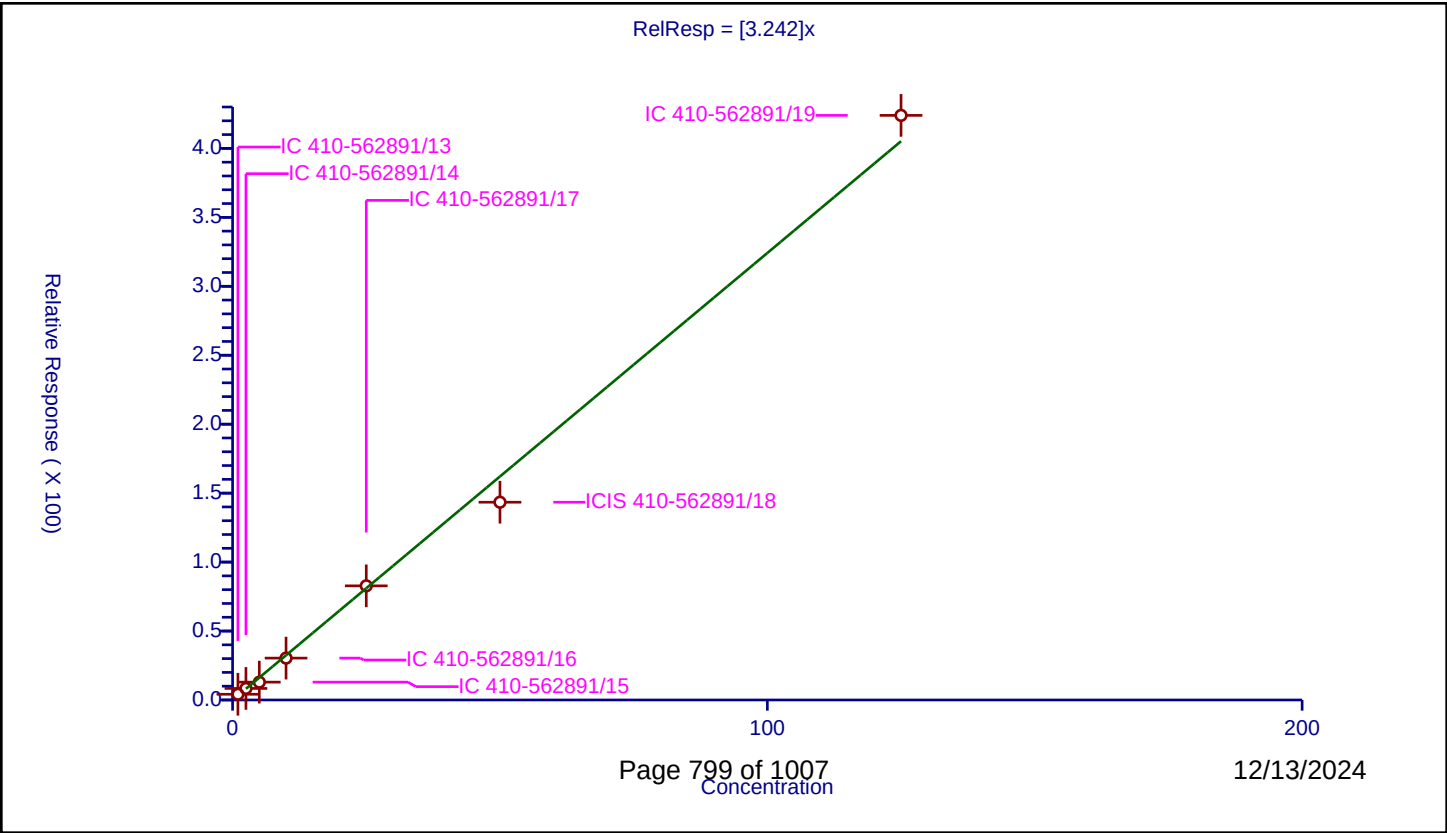
/ 2-Nitropropane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	3.242
Error Coefficients	

Relative Standard Deviation: 15.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	1.0	4.145303	50.0	89716.0	4.145303	Y
2	IC 410-562891/14	2.5	8.377056	50.0	93201.0	3.350822	Y
3	IC 410-562891/15	5.0	12.936958	50.0	100267.0	2.587392	Y
4	IC 410-562891/16	10.0	30.360751	50.0	93056.0	3.036075	Y
5	IC 410-562891/17	25.0	82.783741	50.0	95404.0	3.31135	Y
6	ICIS 410-562891/18	50.0	143.417099	50.0	108835.0	2.868342	Y
7	IC 410-562891/19	125.0	423.924108	50.0	94503.0	3.391393	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

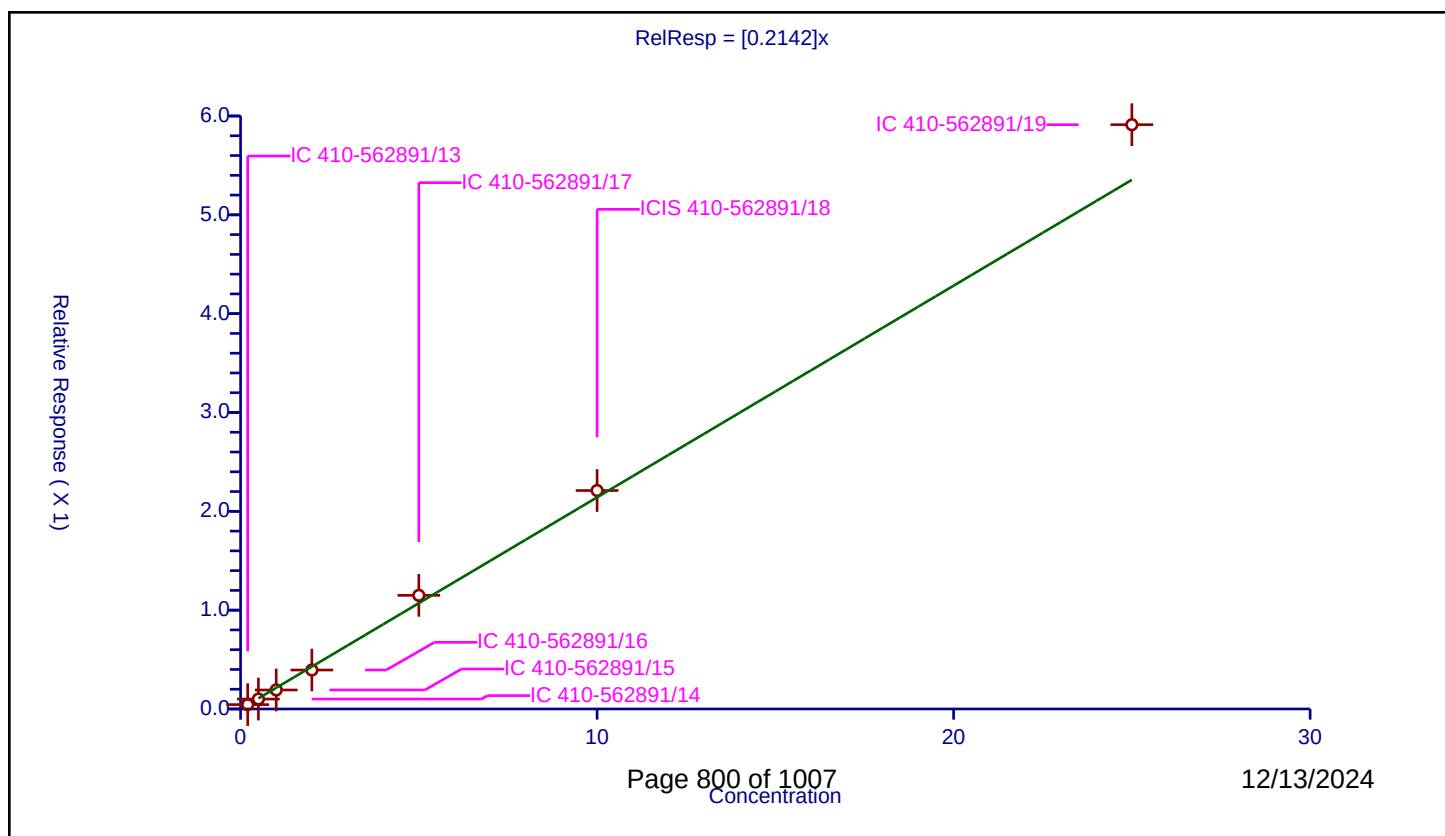
Curve Coefficients

Intercept: 0
Slope: 0.2142

Error Coefficients

Relative Standard Deviation: 8.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.044249	10.0	2082750.0	0.221246	Y
2	IC 410-562891/14	0.5	0.100433	10.0	2073531.0	0.200865	Y
3	IC 410-562891/15	1.0	0.192275	10.0	2064073.0	0.192275	Y
4	IC 410-562891/16	2.0	0.394334	10.0	2072912.0	0.197167	Y
5	IC 410-562891/17	5.0	1.149944	10.0	2077057.0	0.229989	Y
6	ICIS 410-562891/18	10.0	2.210608	10.0	2106583.0	0.221061	Y
7	IC 410-562891/19	25.0	5.912232	10.0	2152918.0	0.236489	Y



Calibration

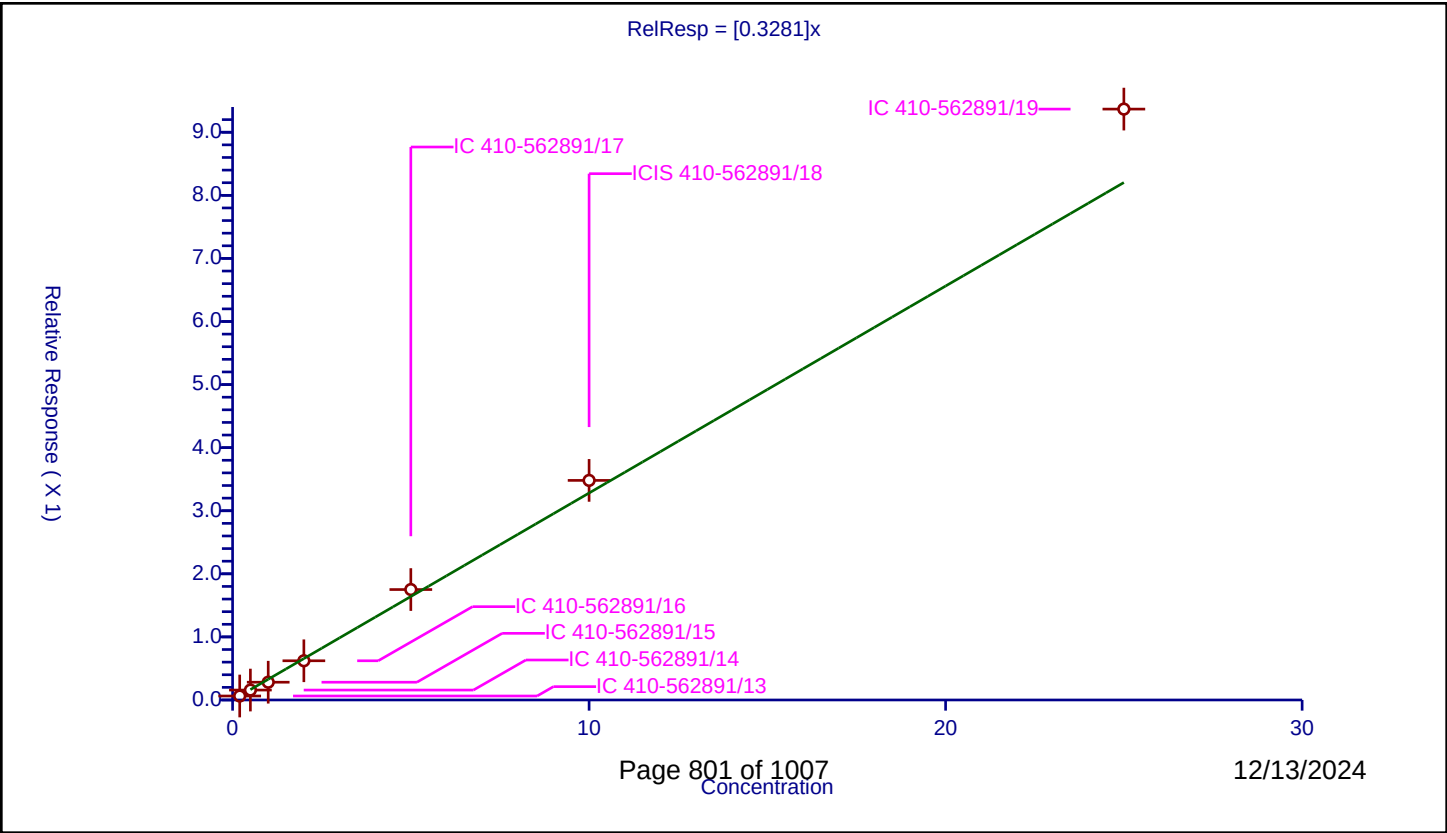
/ cis-1,3-Dichloropropene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.3281
Error Coefficients	

Relative Standard Deviation: 9.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.063311	10.0	2082750.0	0.316553	Y
2	IC 410-562891/14	0.5	0.157456	10.0	2073531.0	0.314912	Y
3	IC 410-562891/15	1.0	0.281555	10.0	2064073.0	0.281555	Y
4	IC 410-562891/16	2.0	0.62171	10.0	2072912.0	0.310855	Y
5	IC 410-562891/17	5.0	1.750587	10.0	2077057.0	0.350117	Y
6	ICIS 410-562891/18	10.0	3.480751	10.0	2106583.0	0.348075	Y
7	IC 410-562891/19	25.0	9.36704	10.0	2152918.0	0.374682	Y



Calibration

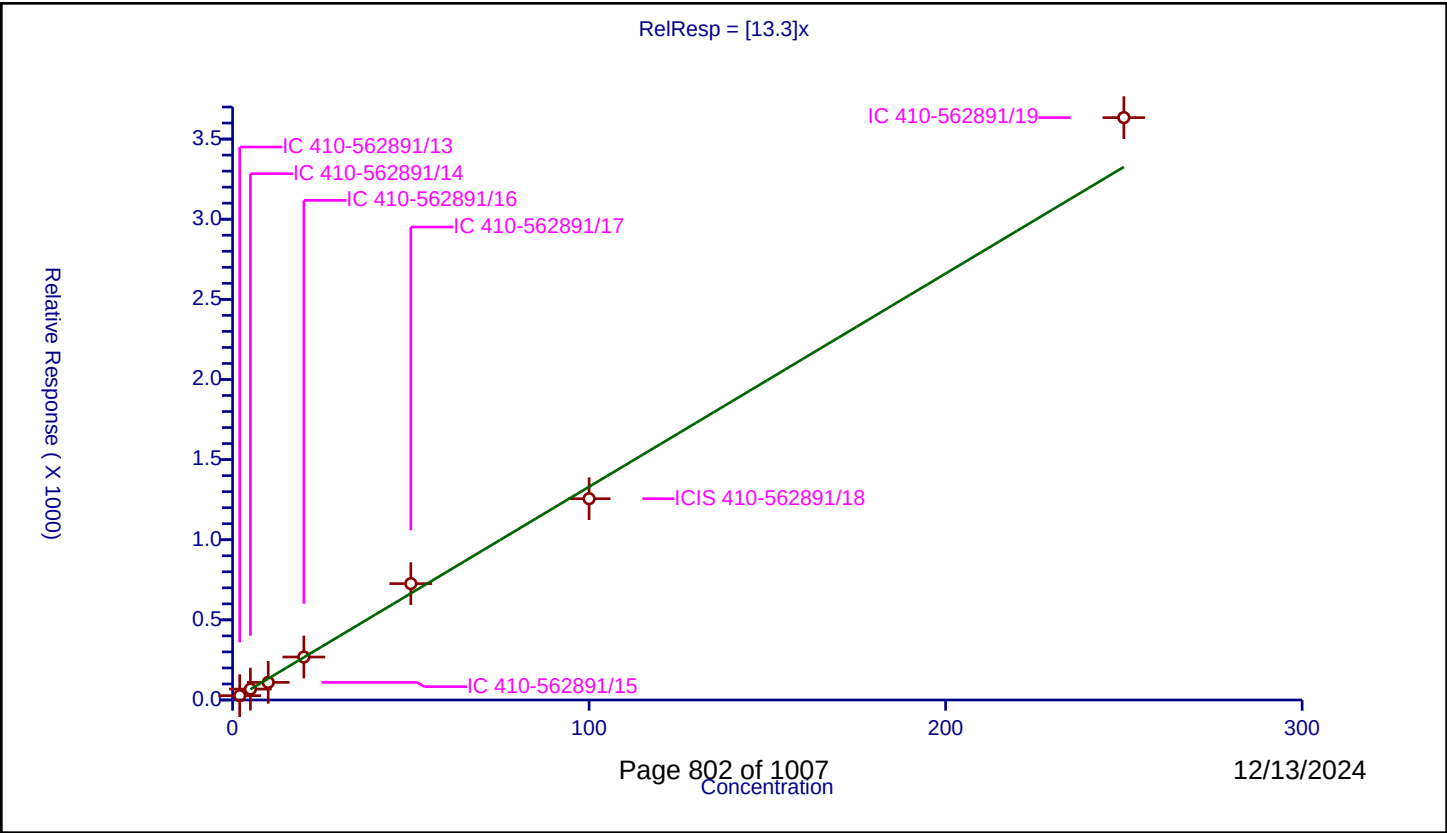
/ 4-Methyl-2-pentanone (MIBK)

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	13.3

Error Coefficients	
Relative Standard Deviation:	9.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	2.0	26.980695	50.0	89716.0	13.490347	Y
2	IC 410-562891/14	5.0	68.145192	50.0	93201.0	13.629038	Y
3	IC 410-562891/15	10.0	109.854189	50.0	100267.0	10.985419	Y
4	IC 410-562891/16	20.0	268.180988	50.0	93056.0	13.409049	Y
5	IC 410-562891/17	50.0	726.044505	50.0	95404.0	14.52089	Y
6	ICIS 410-562891/18	100.0	1256.023797	50.0	108835.0	12.560238	Y
7	IC 410-562891/19	250.0	3633.805276	50.0	94503.0	14.535221	Y



Calibration

/ Toluene-d8 (Surr)

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

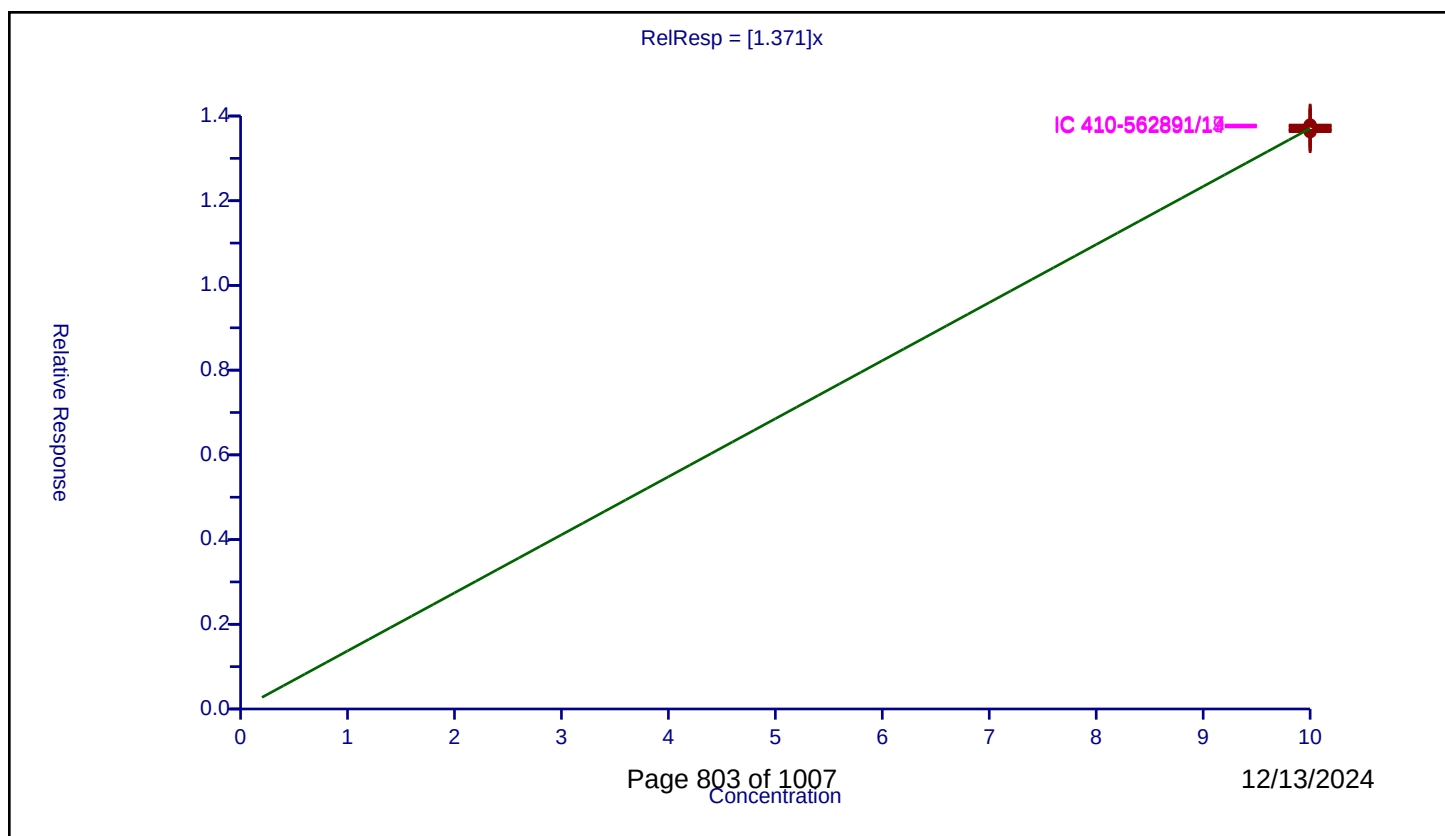
Curve Coefficients

Intercept: 0
Slope: 1.371

Error Coefficients

Relative Standard Deviation: 0.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	10.0	13.689835	10.0	1492945.0	1.368983	Y
2	IC 410-562891/14	10.0	13.741792	10.0	1477383.0	1.374179	Y
3	IC 410-562891/15	10.0	13.66414	10.0	1484269.0	1.366414	Y
4	IC 410-562891/16	10.0	13.673771	10.0	1488359.0	1.367377	Y
5	IC 410-562891/17	10.0	13.787053	10.0	1486198.0	1.378705	Y
6	ICIS 410-562891/18	10.0	13.630664	10.0	1520584.0	1.363066	Y
7	IC 410-562891/19	10.0	13.764573	10.0	1542964.0	1.376457	Y



Calibration

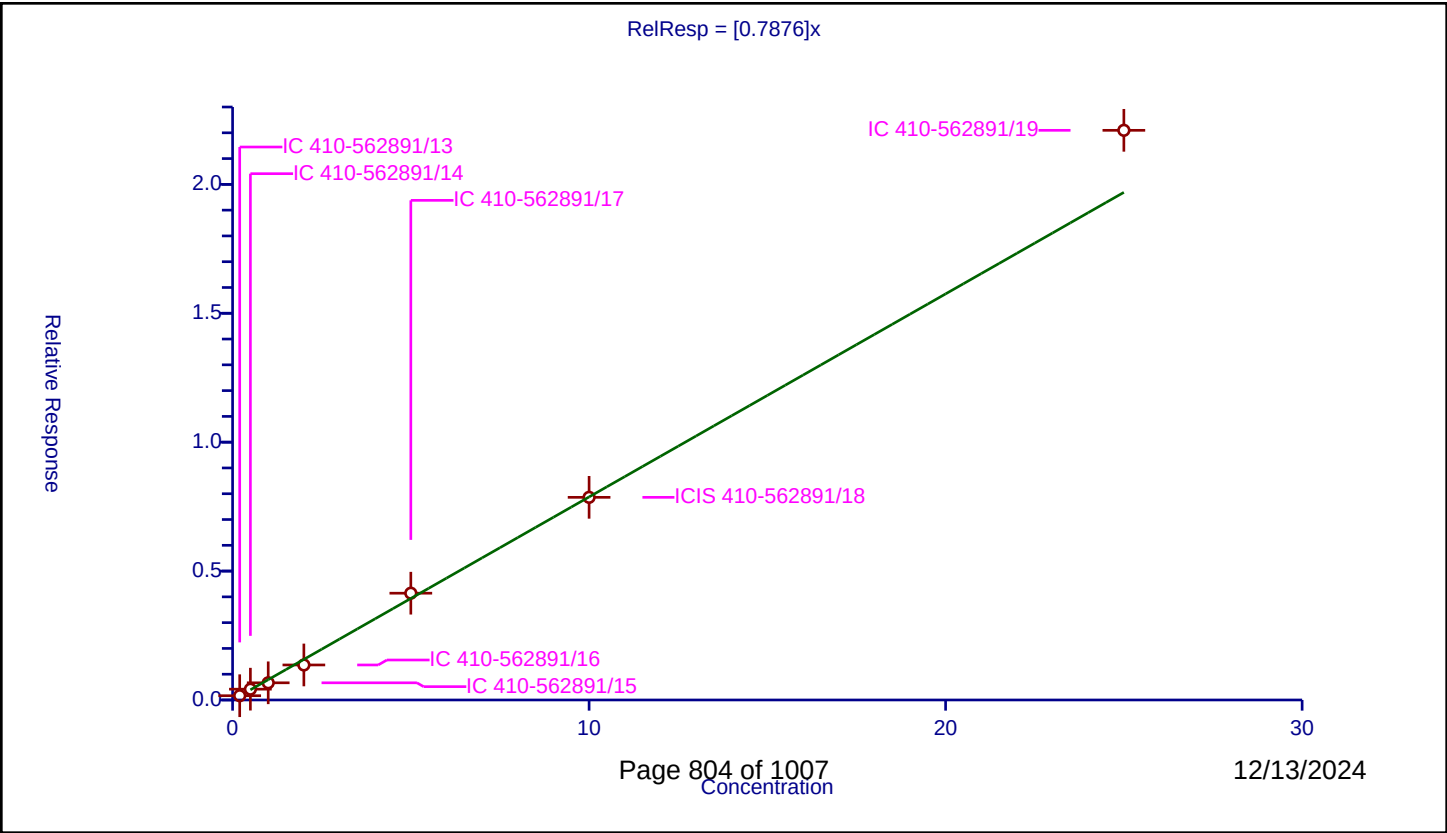
/ Toluene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.7876
Error Coefficients	

Relative Standard Deviation: 10.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.166322	10.0	1492945.0	0.831611	Y
2	IC 410-562891/14	0.5	0.418971	10.0	1477383.0	0.837941	Y
3	IC 410-562891/15	1.0	0.666153	10.0	1484269.0	0.666153	Y
4	IC 410-562891/16	2.0	1.358268	10.0	1488359.0	0.679134	Y
5	IC 410-562891/17	5.0	4.141541	10.0	1486198.0	0.828308	Y
6	ICIS 410-562891/18	10.0	7.860309	10.0	1520584.0	0.786031	Y
7	IC 410-562891/19	25.0	22.096232	10.0	1542964.0	0.883849	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

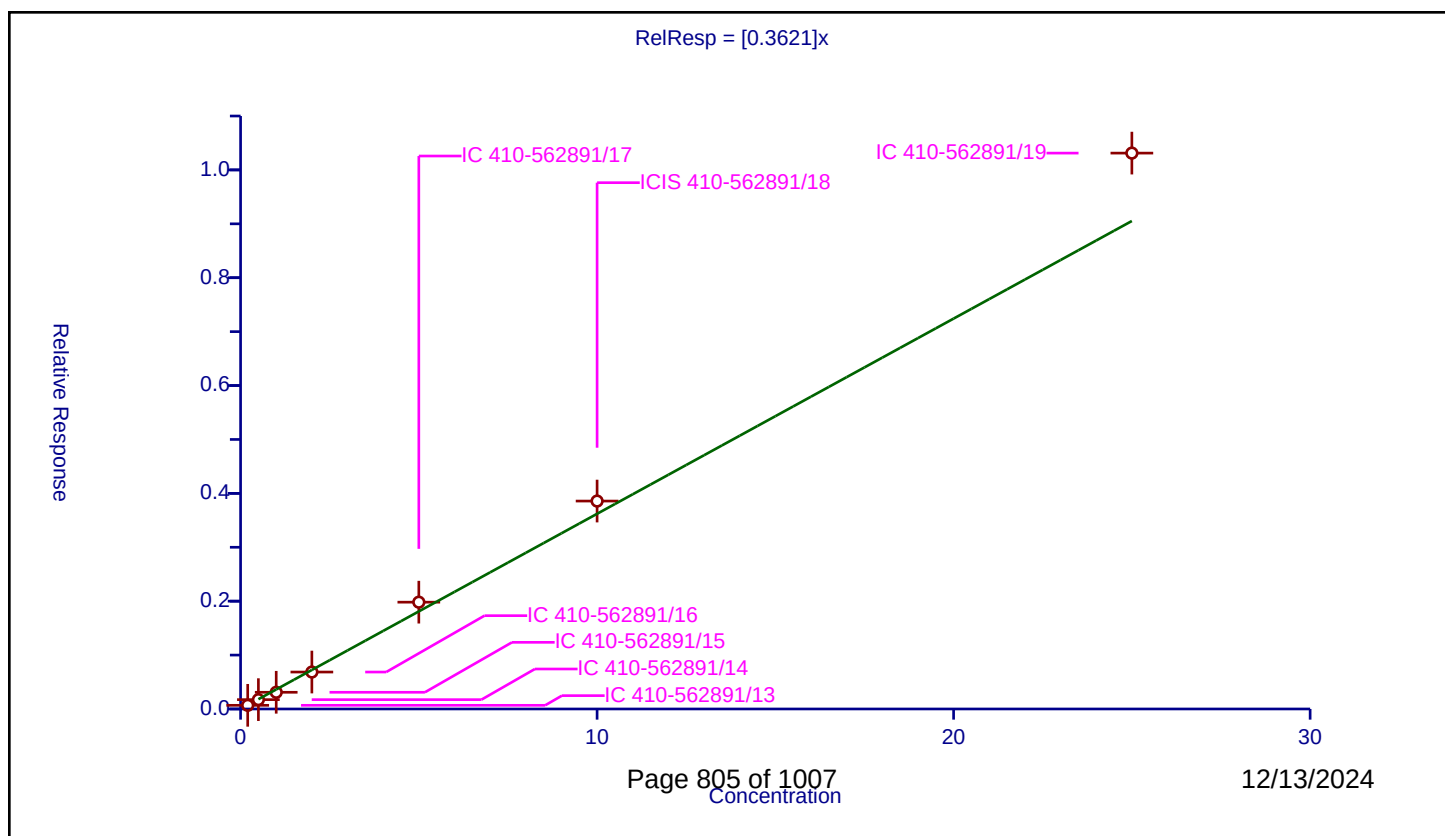
Curve Coefficients

Intercept: 0
Slope: 0.3621

Error Coefficients

Relative Standard Deviation: 10.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.068201	10.0	1492945.0	0.341004	Y
2	IC 410-562891/14	0.5	0.173273	10.0	1477383.0	0.346545	Y
3	IC 410-562891/15	1.0	0.309998	10.0	1484269.0	0.309998	Y
4	IC 410-562891/16	2.0	0.685466	10.0	1488359.0	0.342733	Y
5	IC 410-562891/17	5.0	1.981277	10.0	1486198.0	0.396255	Y
6	ICIS 410-562891/18	10.0	3.857294	10.0	1520584.0	0.385729	Y
7	IC 410-562891/19	25.0	10.31179	10.0	1542964.0	0.412472	Y



Calibration

/ Ethyl methacrylate

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

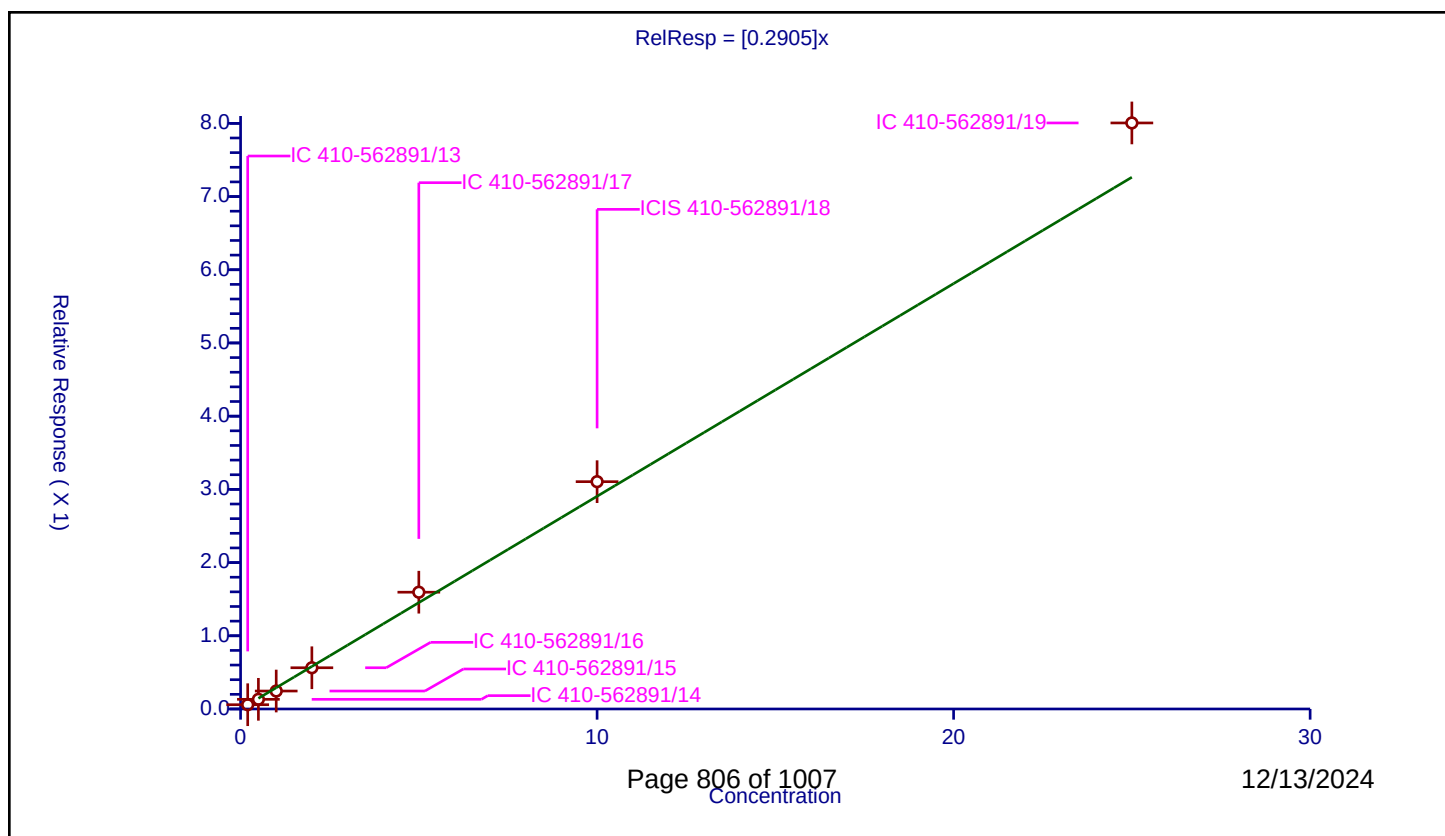
Curve Coefficients

Intercept: 0
Slope: 0.2905

Error Coefficients

Relative Standard Deviation: 9.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.058602	10.0	1492945.0	0.293011	Y
2	IC 410-562891/14	0.5	0.131997	10.0	1477383.0	0.263994	Y
3	IC 410-562891/15	1.0	0.245313	10.0	1484269.0	0.245313	Y
4	IC 410-562891/16	2.0	0.563332	10.0	1488359.0	0.281666	Y
5	IC 410-562891/17	5.0	1.595218	10.0	1486198.0	0.319044	Y
6	ICIS 410-562891/18	10.0	3.105327	10.0	1520584.0	0.310533	Y
7	IC 410-562891/19	25.0	8.00532	10.0	1542964.0	0.320213	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

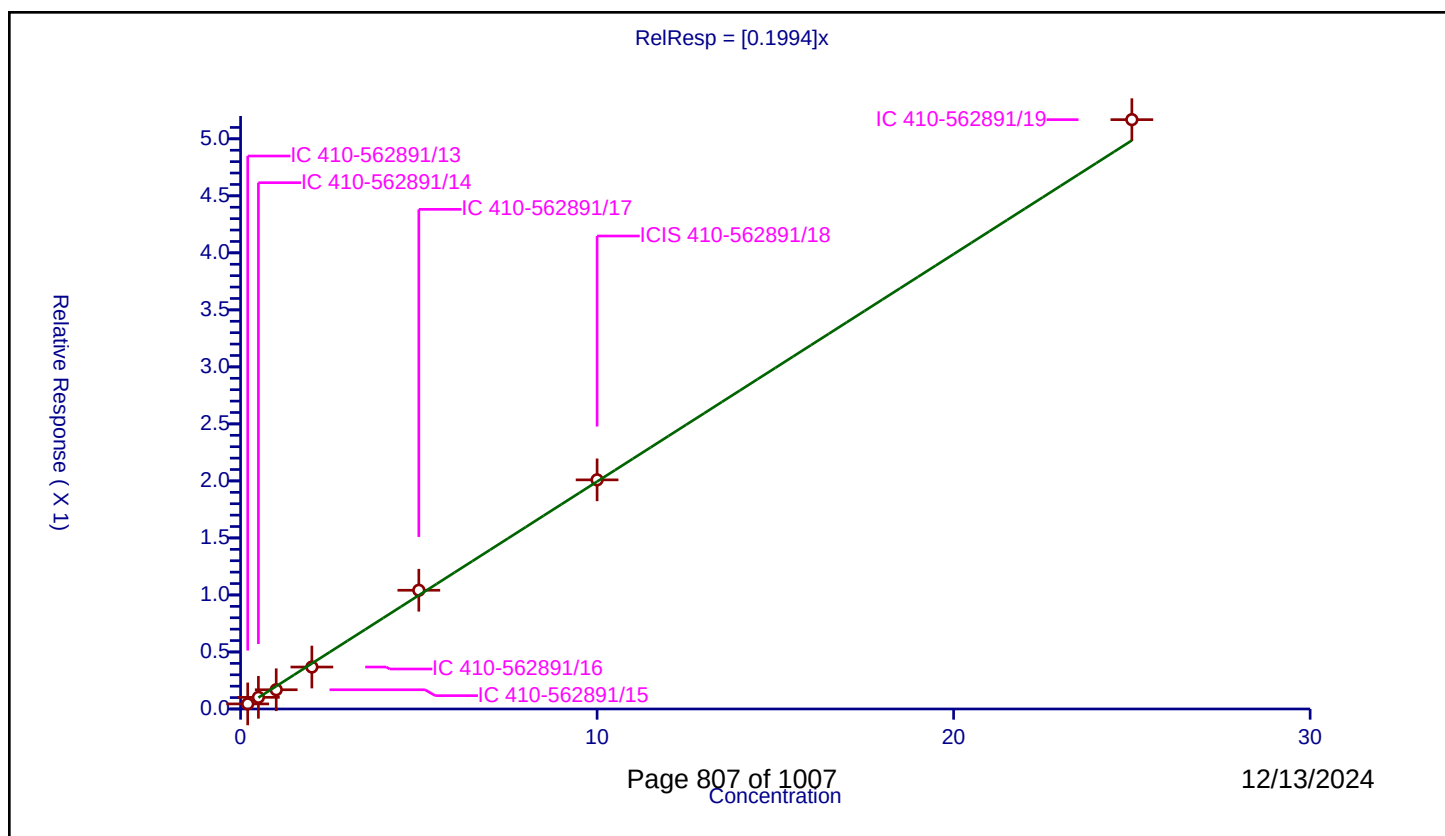
Curve Coefficients

Intercept: 0
Slope: 0.1994

Error Coefficients

Relative Standard Deviation: 8.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.044576	10.0	1492945.0	0.222882	Y
2	IC 410-562891/14	0.5	0.102255	10.0	1477383.0	0.20451	Y
3	IC 410-562891/15	1.0	0.168777	10.0	1484269.0	0.168777	Y
4	IC 410-562891/16	2.0	0.367962	10.0	1488359.0	0.183981	Y
5	IC 410-562891/17	5.0	1.0412	10.0	1486198.0	0.20824	Y
6	ICIS 410-562891/18	10.0	2.009366	10.0	1520584.0	0.200937	Y
7	IC 410-562891/19	25.0	5.168241	10.0	1542964.0	0.20673	Y



Calibration

/ Tetrachloroethene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

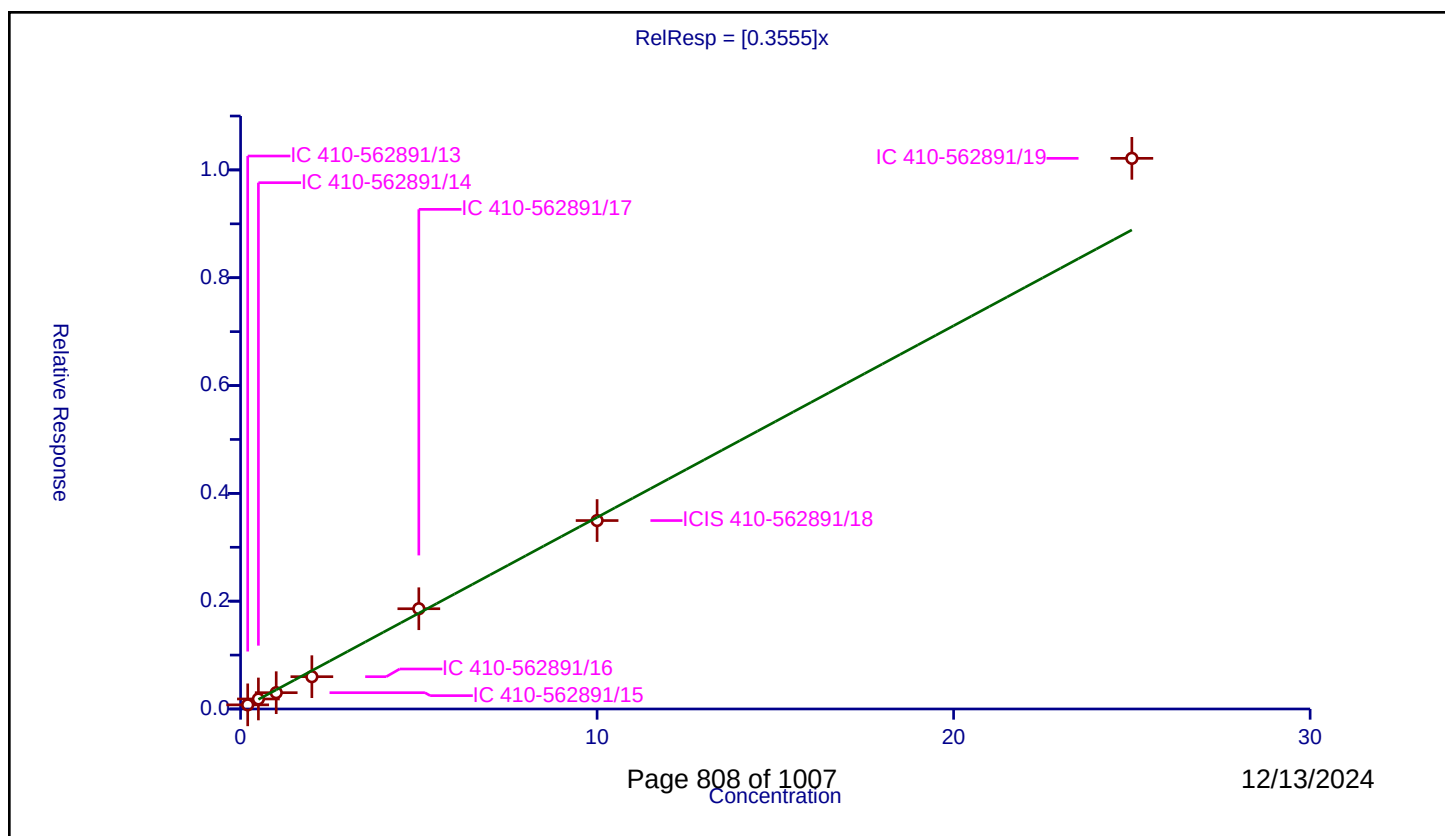
Curve Coefficients

Intercept: 0
Slope: 0.3555

Error Coefficients

Relative Standard Deviation: 11.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.076862	10.0	1492945.0	0.384308	Y
2	IC 410-562891/14	0.5	0.18589	10.0	1477383.0	0.371779	Y
3	IC 410-562891/15	1.0	0.302513	10.0	1484269.0	0.302513	Y
4	IC 410-562891/16	2.0	0.599304	10.0	1488359.0	0.299652	Y
5	IC 410-562891/17	5.0	1.859591	10.0	1486198.0	0.371918	Y
6	ICIS 410-562891/18	10.0	3.49567	10.0	1520584.0	0.349567	Y
7	IC 410-562891/19	25.0	10.215015	10.0	1542964.0	0.408601	Y



Calibration

/ 1,3-Dichloropropane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

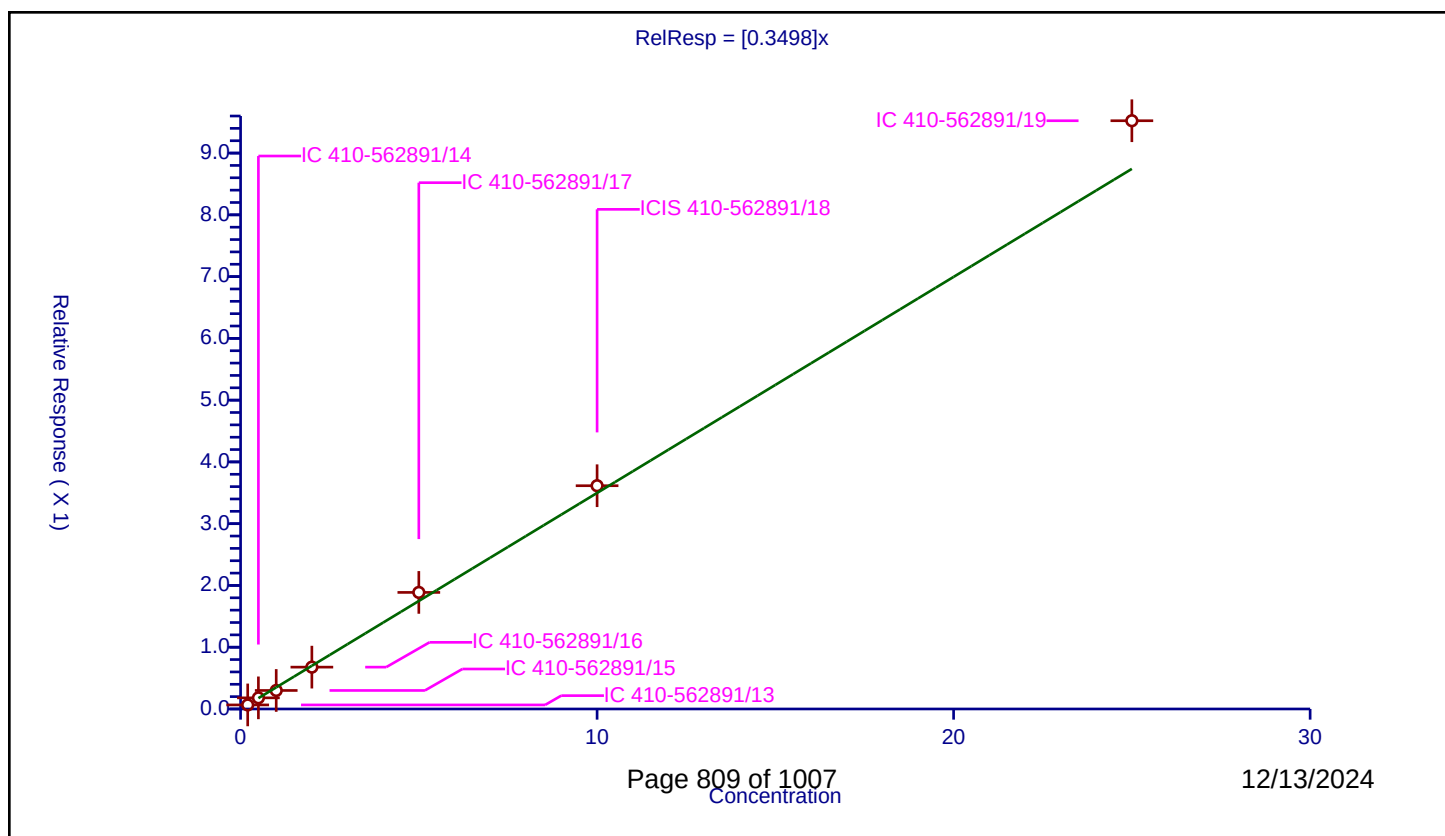
Curve Coefficients

Intercept: 0
Slope: 0.3498

Error Coefficients

Relative Standard Deviation: 8.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.06591	10.0	1492945.0	0.32955	Y
2	IC 410-562891/14	0.5	0.180204	10.0	1477383.0	0.360408	Y
3	IC 410-562891/15	1.0	0.29975	10.0	1484269.0	0.29975	Y
4	IC 410-562891/16	2.0	0.677565	10.0	1488359.0	0.338783	Y
5	IC 410-562891/17	5.0	1.887467	10.0	1486198.0	0.377493	Y
6	ICIS 410-562891/18	10.0	3.614591	10.0	1520584.0	0.361459	Y
7	IC 410-562891/19	25.0	9.523625	10.0	1542964.0	0.380945	Y

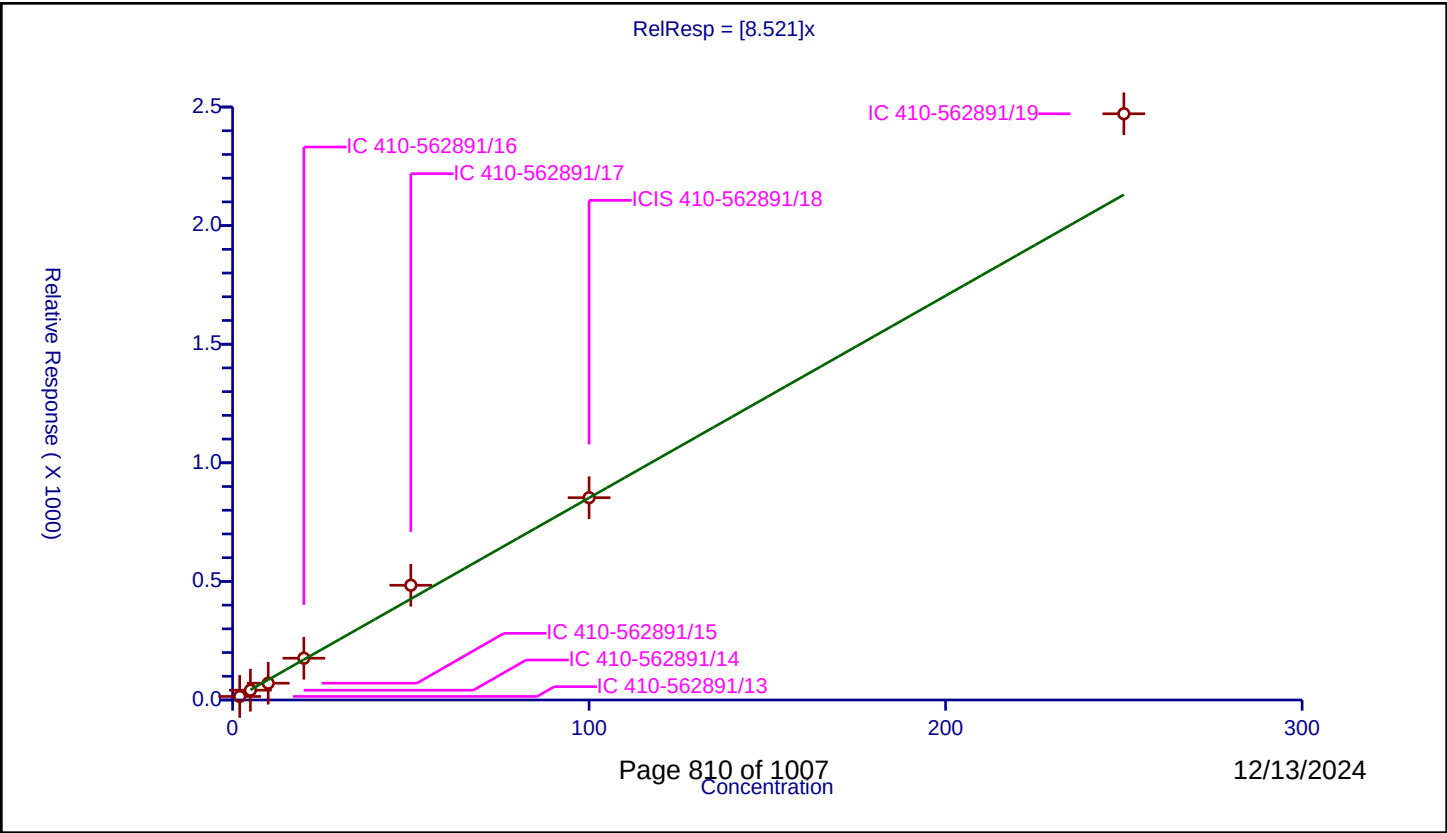


Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	8.521

Error Coefficients	
Relative Standard Deviation:	12.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	2.0	14.84072	50.0	89716.0	7.42036	Y
2	IC 410-562891/14	5.0	41.280673	50.0	93201.0	8.256135	Y
3	IC 410-562891/15	10.0	70.759073	50.0	100267.0	7.075907	Y
4	IC 410-562891/16	20.0	176.150383	50.0	93056.0	8.807519	Y
5	IC 410-562891/17	50.0	483.704562	50.0	95404.0	9.674091	Y
6	ICIS 410-562891/18	100.0	852.885561	50.0	108835.0	8.528856	Y
7	IC 410-562891/19	250.0	2471.56122	50.0	94503.0	9.886245	Y



Calibration

/ Chlorodibromomethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

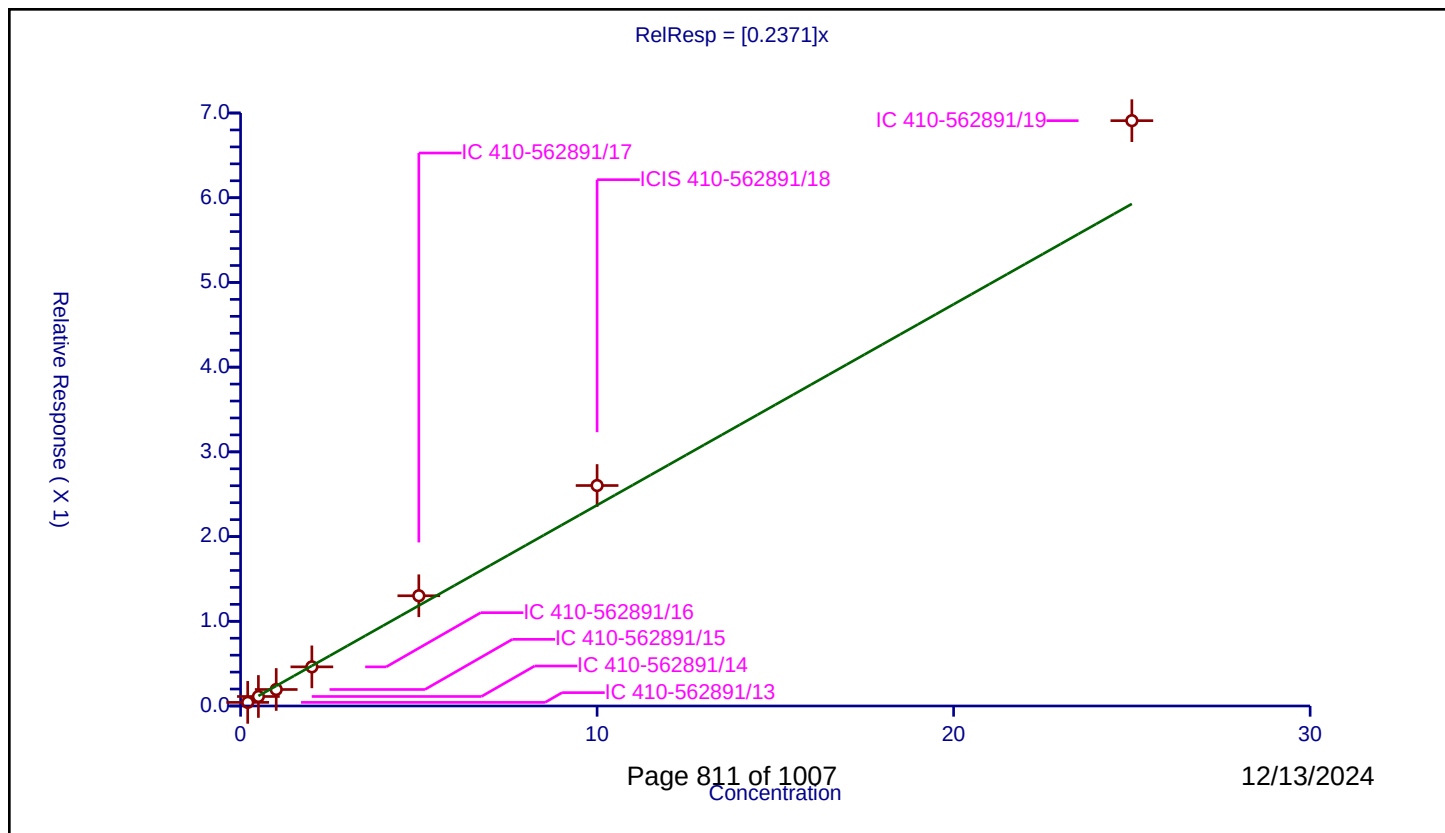
Curve Coefficients

Intercept: 0
Slope: 0.2371

Error Coefficients

Relative Standard Deviation: 12.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.04256	10.0	1492945.0	0.212801	Y
2	IC 410-562891/14	0.5	0.112083	10.0	1477383.0	0.224167	Y
3	IC 410-562891/15	1.0	0.194843	10.0	1484269.0	0.194843	Y
4	IC 410-562891/16	2.0	0.461811	10.0	1488359.0	0.230905	Y
5	IC 410-562891/17	5.0	1.301347	10.0	1486198.0	0.260269	Y
6	ICIS 410-562891/18	10.0	2.602711	10.0	1520584.0	0.260271	Y
7	IC 410-562891/19	25.0	6.90952	10.0	1542964.0	0.276381	Y

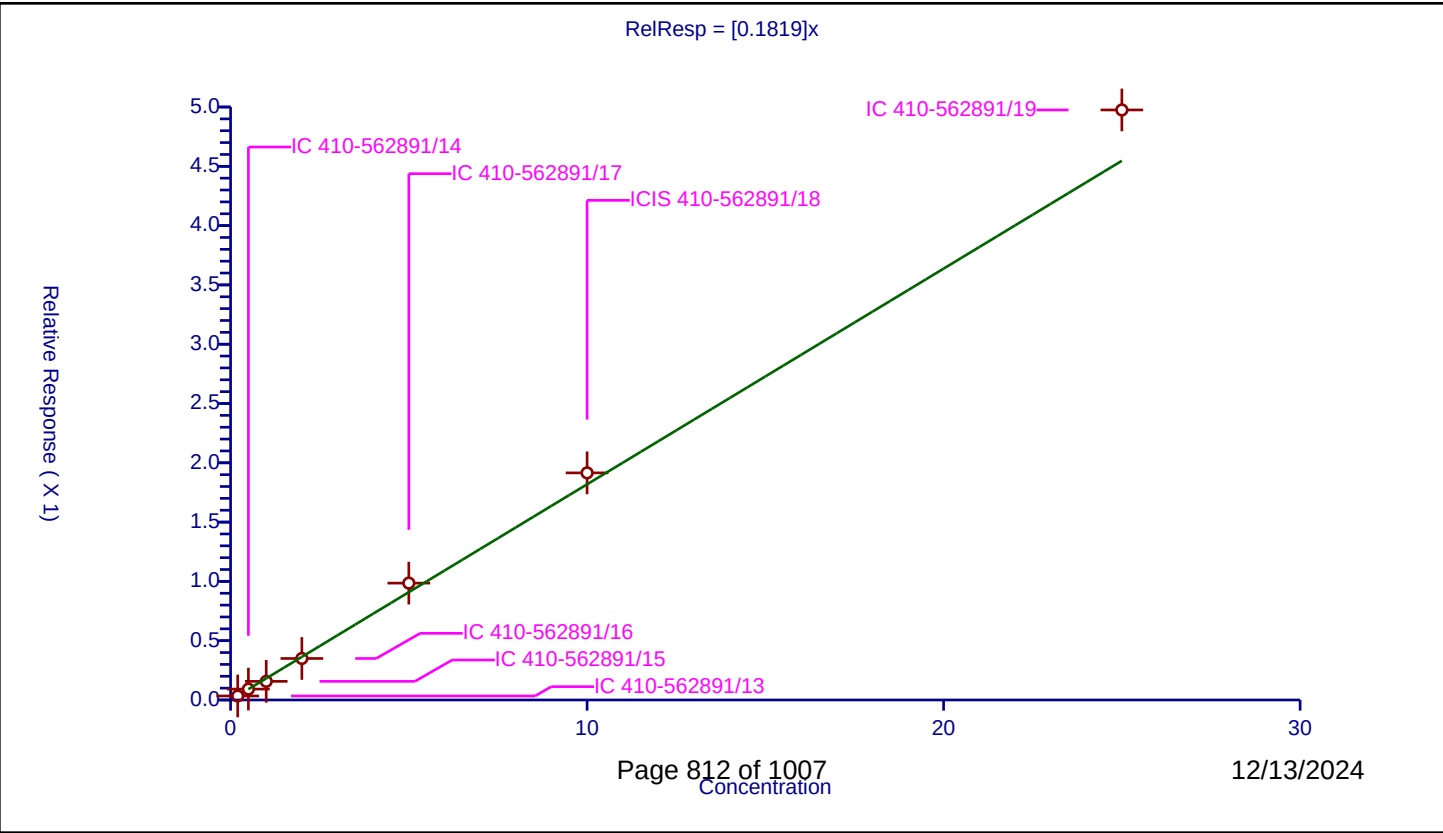


Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.1819
Error Coefficients	

Relative Standard Deviation: 8.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.033953	10.0	1492945.0	0.169765	Y
2	IC 410-562891/14	0.5	0.091797	10.0	1477383.0	0.183595	Y
3	IC 410-562891/15	1.0	0.157047	10.0	1484269.0	0.157047	Y
4	IC 410-562891/16	2.0	0.350037	10.0	1488359.0	0.175018	Y
5	IC 410-562891/17	5.0	0.985461	10.0	1486198.0	0.197092	Y
6	ICIS 410-562891/18	10.0	1.914968	10.0	1520584.0	0.191497	Y
7	IC 410-562891/19	25.0	4.975262	10.0	1542964.0	0.19901	Y



Calibration

/ 1-Chlorohexane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

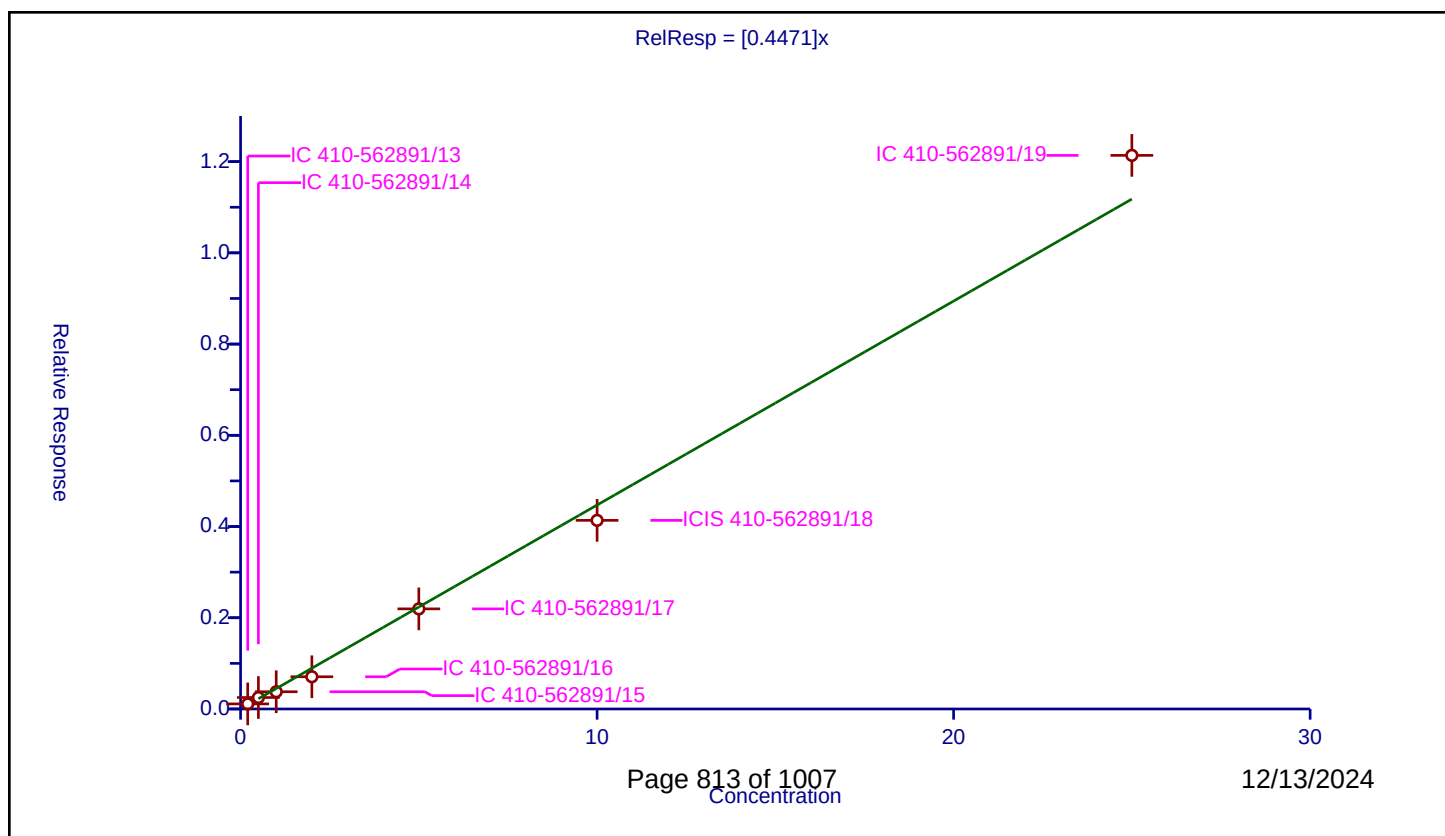
Curve Coefficients

Intercept: 0
Slope: 0.4471

Error Coefficients

Relative Standard Deviation: 16.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.111545	10.0	1492945.0	0.557723	Y
2	IC 410-562891/14	0.5	0.251519	10.0	1477383.0	0.503038	Y
3	IC 410-562891/15	1.0	0.377984	10.0	1484269.0	0.377984	Y
4	IC 410-562891/16	2.0	0.70657	10.0	1488359.0	0.353285	Y
5	IC 410-562891/17	5.0	2.194808	10.0	1486198.0	0.438962	Y
6	ICIS 410-562891/18	10.0	4.135608	10.0	1520584.0	0.413561	Y
7	IC 410-562891/19	25.0	12.136842	10.0	1542964.0	0.485474	Y



Calibration

/ Chlorobenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

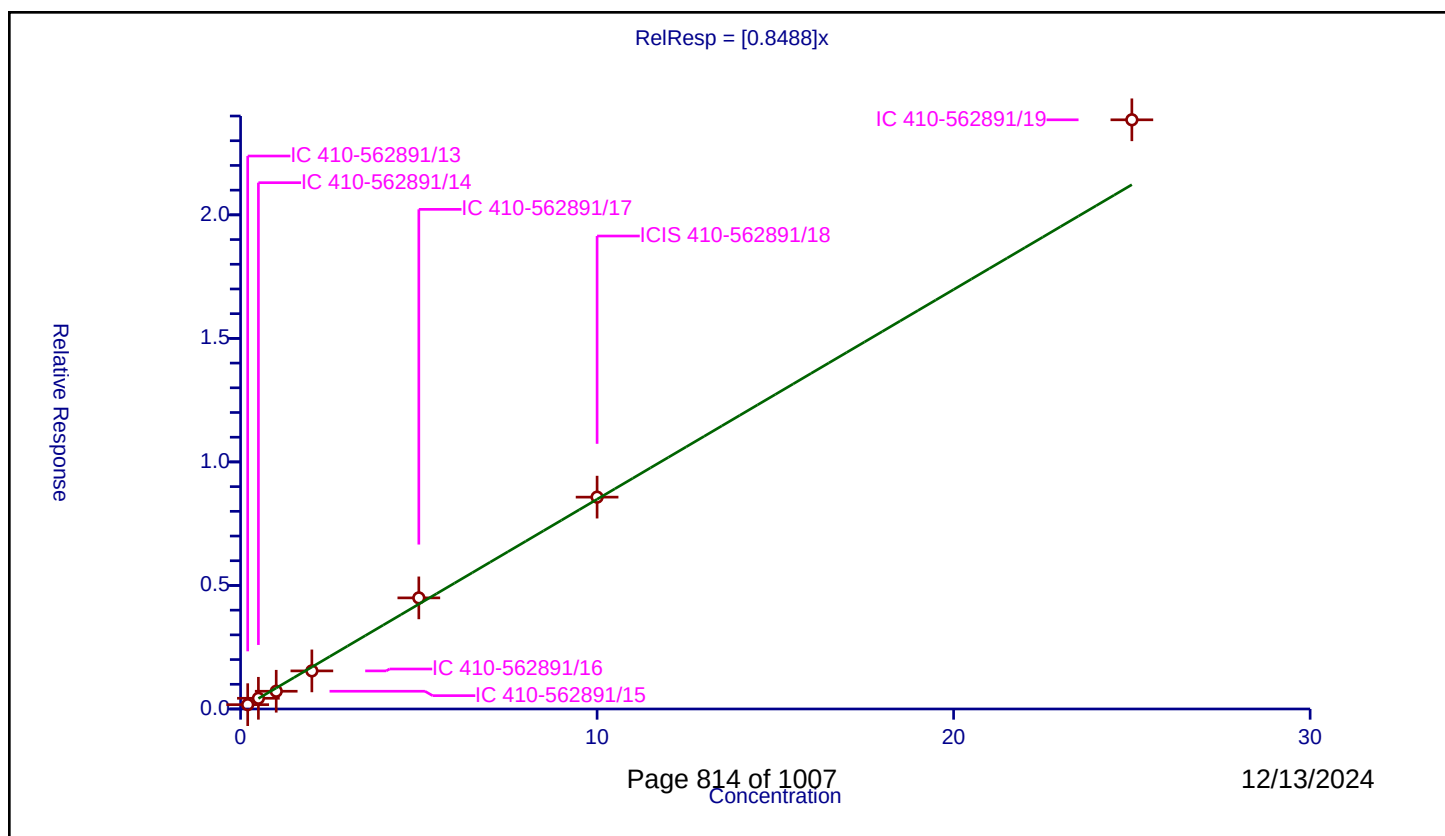
Curve Coefficients

Intercept: 0
 Slope: 0.8488

Error Coefficients

Relative Standard Deviation: 9.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.175231	10.0	1492945.0	0.876154	Y
2	IC 410-562891/14	0.5	0.432887	10.0	1477383.0	0.865774	Y
3	IC 410-562891/15	1.0	0.717875	10.0	1484269.0	0.717875	Y
4	IC 410-562891/16	2.0	1.542256	10.0	1488359.0	0.771128	Y
5	IC 410-562891/17	5.0	4.496891	10.0	1486198.0	0.899378	Y
6	ICIS 410-562891/18	10.0	8.575067	10.0	1520584.0	0.857507	Y
7	IC 410-562891/19	25.0	23.846862	10.0	1542964.0	0.953874	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

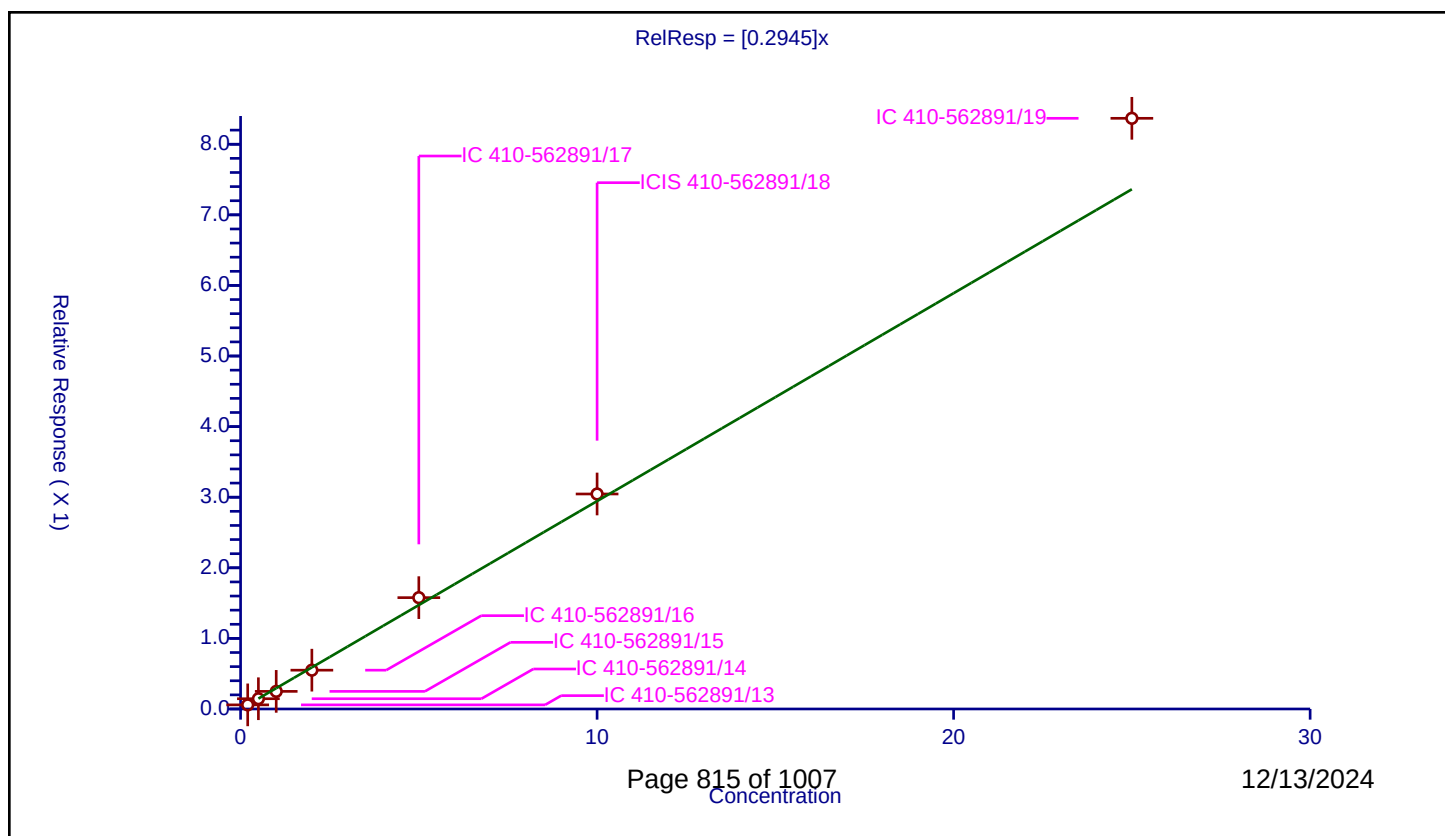
Curve Coefficients

Intercept: 0
Slope: 0.2945

Error Coefficients

Relative Standard Deviation: 9.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.058361	10.0	1492945.0	0.291806	Y
2	IC 410-562891/14	0.5	0.145277	10.0	1477383.0	0.290554	Y
3	IC 410-562891/15	1.0	0.24951	10.0	1484269.0	0.24951	Y
4	IC 410-562891/16	2.0	0.549659	10.0	1488359.0	0.27483	Y
5	IC 410-562891/17	5.0	1.5773	10.0	1486198.0	0.31546	Y
6	ICIS 410-562891/18	10.0	3.045514	10.0	1520584.0	0.304551	Y
7	IC 410-562891/19	25.0	8.367648	10.0	1542964.0	0.334706	Y



Calibration

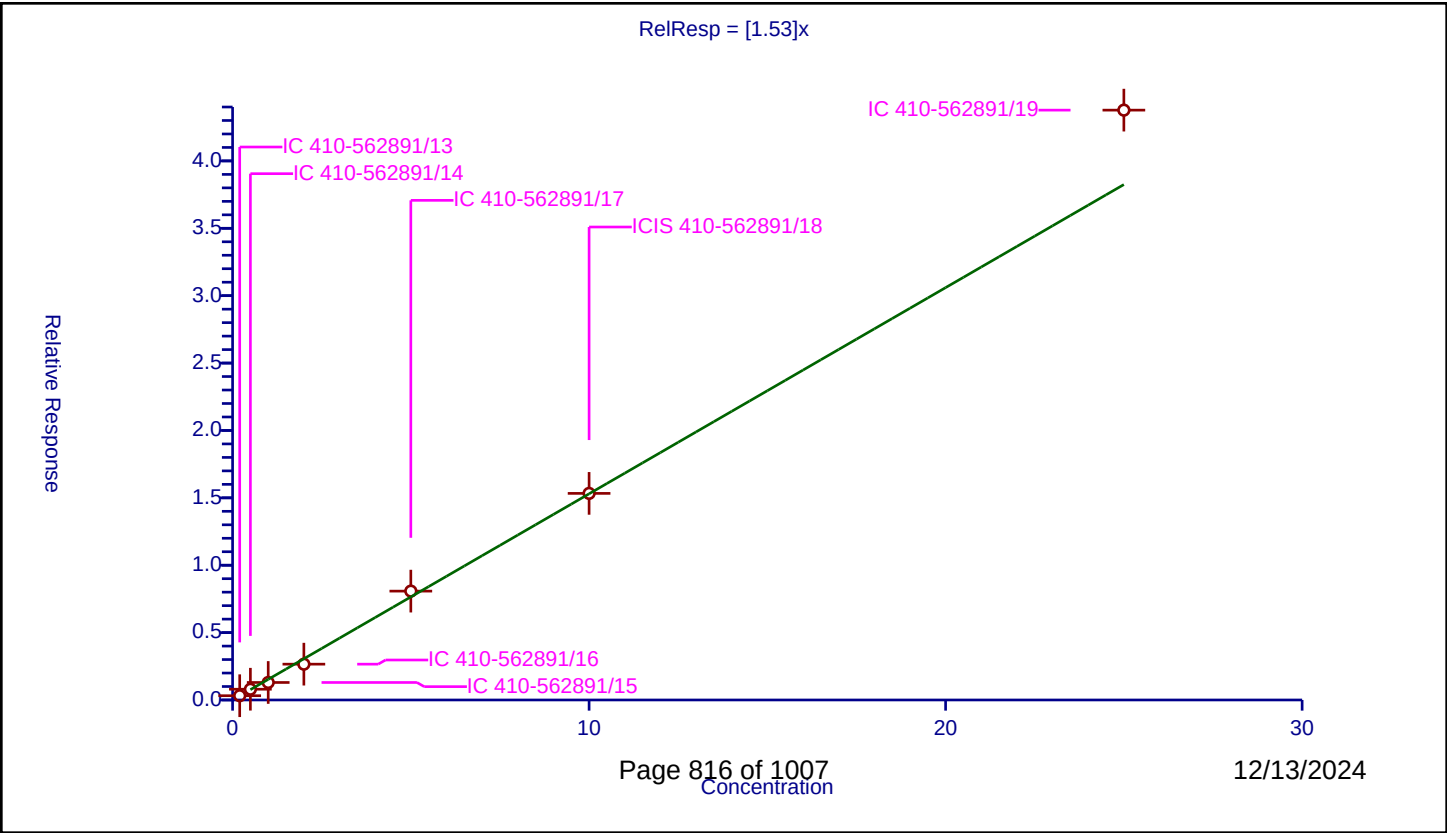
/ Ethylbenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.53
Error Coefficients	

Relative Standard Deviation: 10.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.317105	10.0	1492945.0	1.585524	Y
2	IC 410-562891/14	0.5	0.797701	10.0	1477383.0	1.595402	Y
3	IC 410-562891/15	1.0	1.299582	10.0	1484269.0	1.299582	Y
4	IC 410-562891/16	2.0	2.658304	10.0	1488359.0	1.329152	Y
5	IC 410-562891/17	5.0	8.078385	10.0	1486198.0	1.615677	Y
6	ICIS 410-562891/18	10.0	15.330038	10.0	1520584.0	1.533004	Y
7	IC 410-562891/19	25.0	43.767716	10.0	1542964.0	1.750709	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

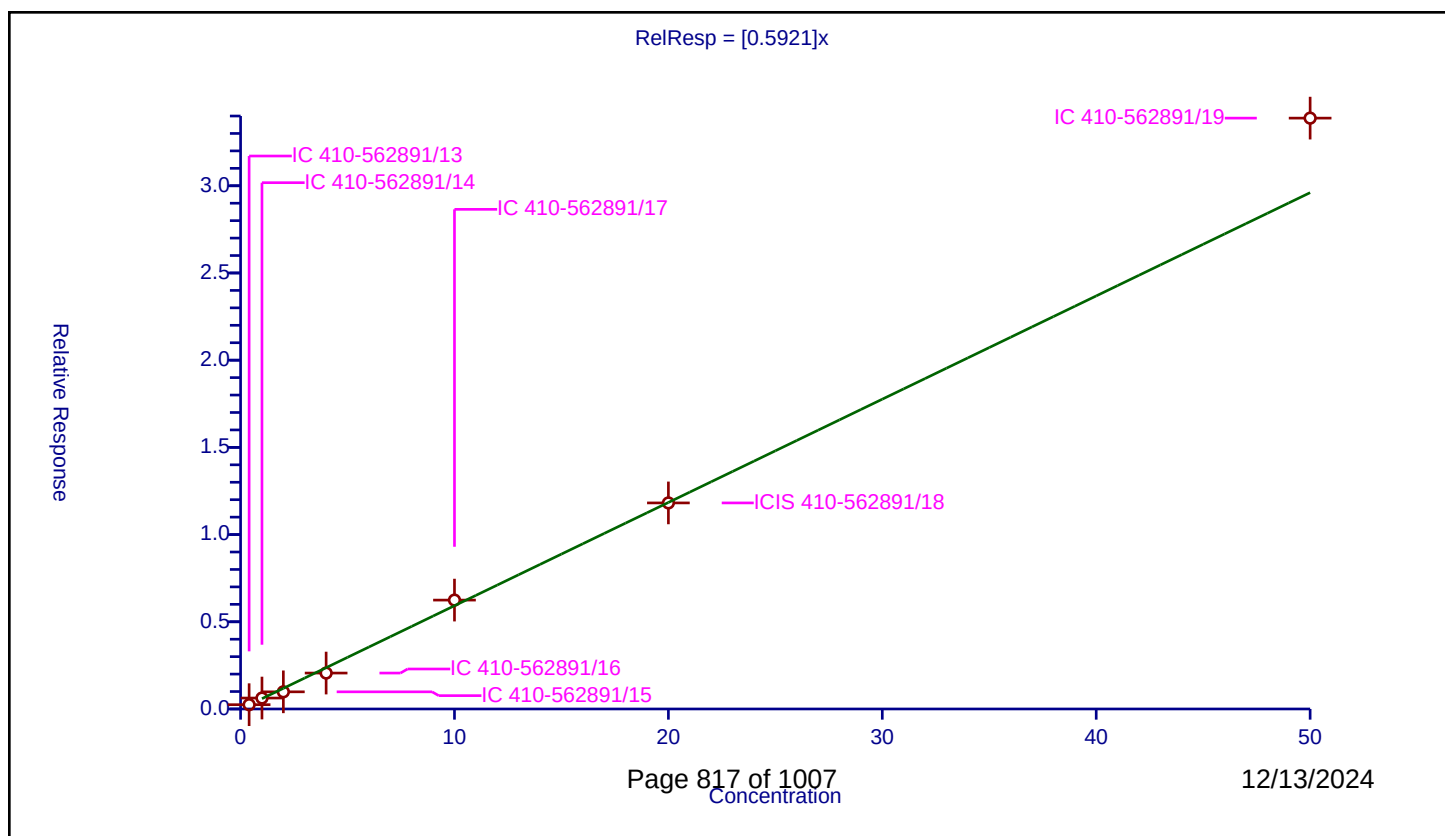
Curve Coefficients

Intercept: 0
Slope: 0.5921

Error Coefficients

Relative Standard Deviation: 11.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.4	0.246767	10.0	1492945.0	0.616918	Y
2	IC 410-562891/14	1.0	0.628178	10.0	1477383.0	0.628178	Y
3	IC 410-562891/15	2.0	0.98377	10.0	1484269.0	0.491885	Y
4	IC 410-562891/16	4.0	2.060242	10.0	1488359.0	0.515061	Y
5	IC 410-562891/17	10.0	6.243657	10.0	1486198.0	0.624366	Y
6	ICIS 410-562891/18	20.0	11.815171	10.0	1520584.0	0.590759	Y
7	IC 410-562891/19	50.0	33.878924	10.0	1542964.0	0.677578	Y



Calibration

/ o-Xylene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

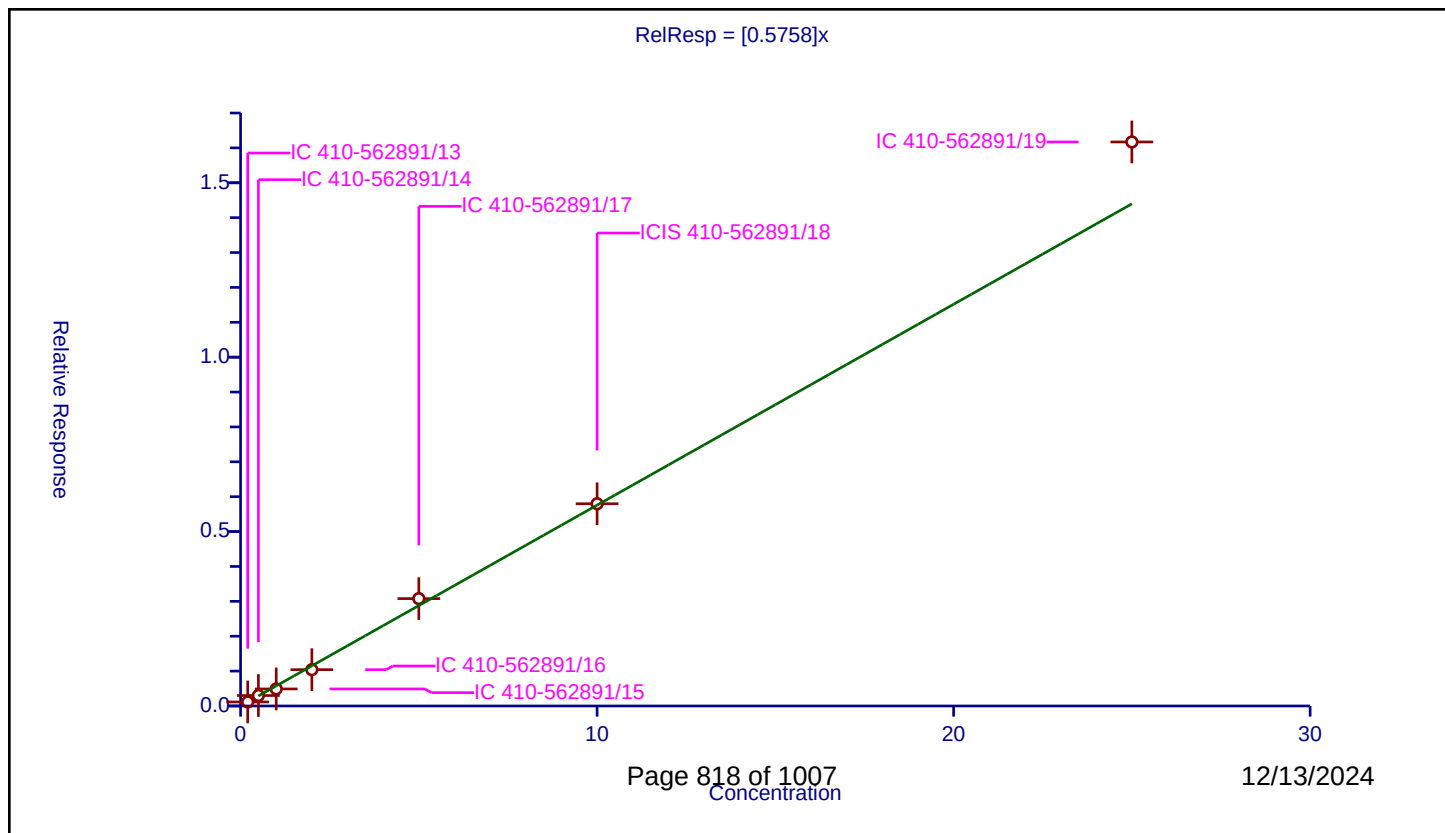
Curve Coefficients

Intercept: 0
Slope: 0.5758

Error Coefficients

Relative Standard Deviation: 9.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.115912	10.0	1492945.0	0.579559	Y
2	IC 410-562891/14	0.5	0.299706	10.0	1477383.0	0.599411	Y
3	IC 410-562891/15	1.0	0.488934	10.0	1484269.0	0.488934	Y
4	IC 410-562891/16	2.0	1.041395	10.0	1488359.0	0.520698	Y
5	IC 410-562891/17	5.0	3.078163	10.0	1486198.0	0.615633	Y
6	ICIS 410-562891/18	10.0	5.798253	10.0	1520584.0	0.579825	Y
7	IC 410-562891/19	25.0	16.170546	10.0	1542964.0	0.646822	Y



Calibration

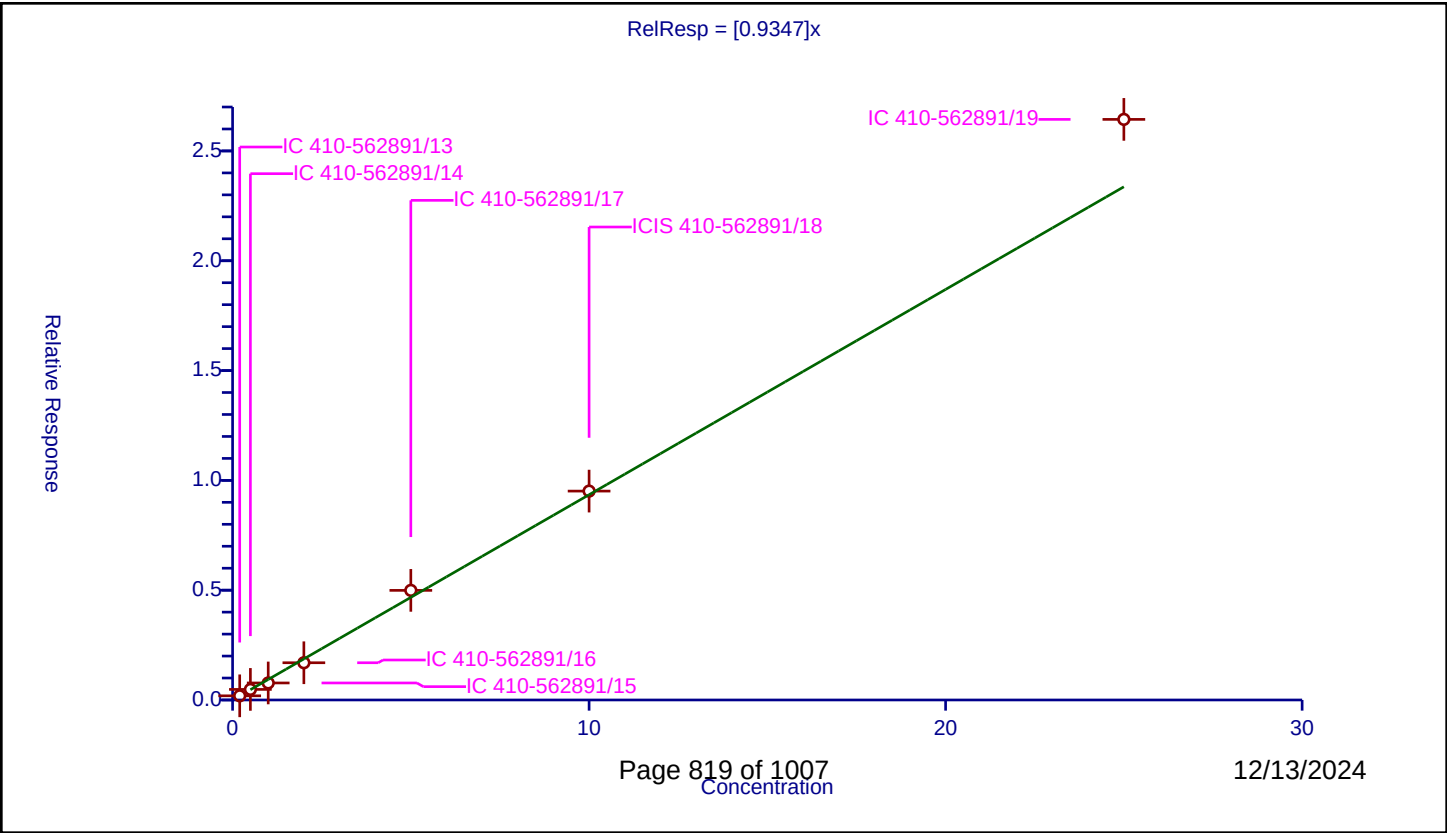
/ Styrene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.9347
Error Coefficients	

Relative Standard Deviation: 10.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.190282	10.0	1492945.0	0.951408	Y
2	IC 410-562891/14	0.5	0.480891	10.0	1477383.0	0.961782	Y
3	IC 410-562891/15	1.0	0.775008	10.0	1484269.0	0.775008	Y
4	IC 410-562891/16	2.0	1.695458	10.0	1488359.0	0.847729	Y
5	IC 410-562891/17	5.0	4.990809	10.0	1486198.0	0.998162	Y
6	ICIS 410-562891/18	10.0	9.511471	10.0	1520584.0	0.951147	Y
7	IC 410-562891/19	25.0	26.436618	10.0	1542964.0	1.057465	Y



Calibration

/ Bromoform

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

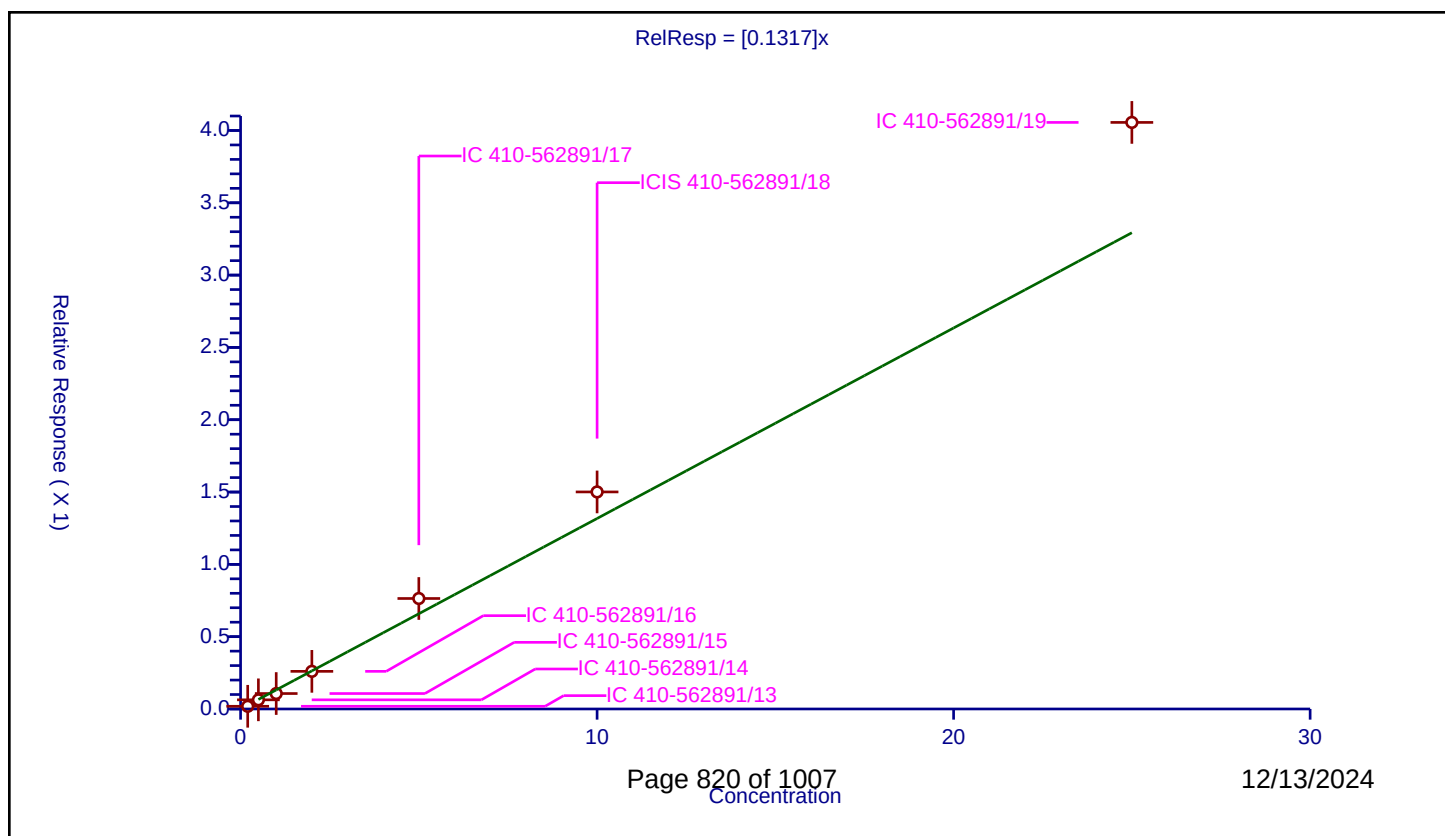
Curve Coefficients

Intercept: 0
Slope: 0.1317

Error Coefficients

Relative Standard Deviation: 19.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.018681	10.0	1492945.0	0.093406	Y
2	IC 410-562891/14	0.5	0.063315	10.0	1477383.0	0.126629	Y
3	IC 410-562891/15	1.0	0.1068	10.0	1484269.0	0.1068	Y
4	IC 410-562891/16	2.0	0.260226	10.0	1488359.0	0.130113	Y
5	IC 410-562891/17	5.0	0.763896	10.0	1486198.0	0.152779	Y
6	ICIS 410-562891/18	10.0	1.500818	10.0	1520584.0	0.150082	Y
7	IC 410-562891/19	25.0	4.055733	10.0	1542964.0	0.162229	Y

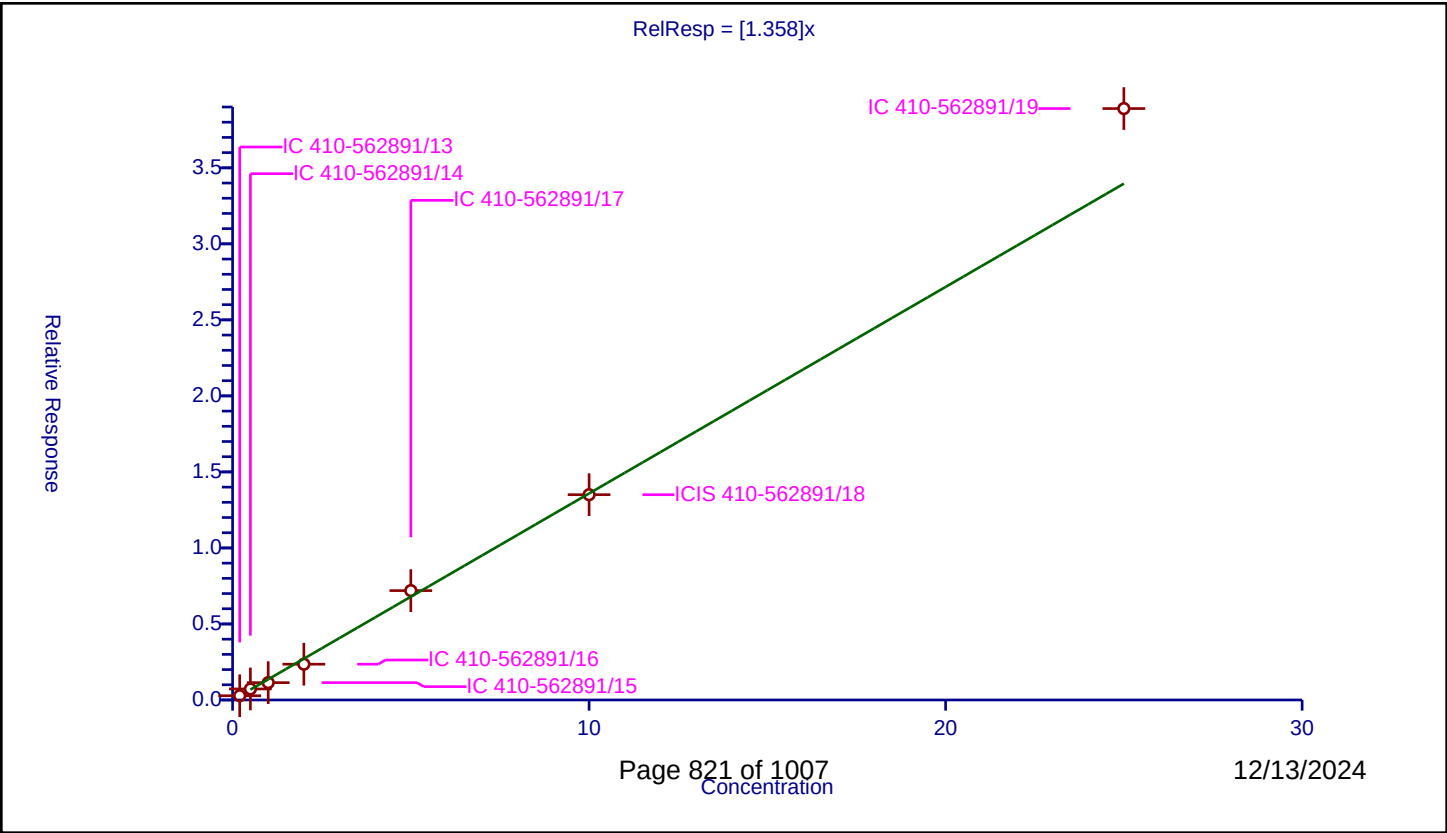


Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.358
Error Coefficients	

Relative Standard Deviation: 11.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.279307	10.0	1492945.0	1.396535	Y
2	IC 410-562891/14	0.5	0.724748	10.0	1477383.0	1.449495	Y
3	IC 410-562891/15	1.0	1.140514	10.0	1484269.0	1.140514	Y
4	IC 410-562891/16	2.0	2.353854	10.0	1488359.0	1.176927	Y
5	IC 410-562891/17	5.0	7.193994	10.0	1486198.0	1.438799	Y
6	ICIS 410-562891/18	10.0	13.502983	10.0	1520584.0	1.350298	Y
7	IC 410-562891/19	25.0	38.89757	10.0	1542964.0	1.555903	Y



Calibration

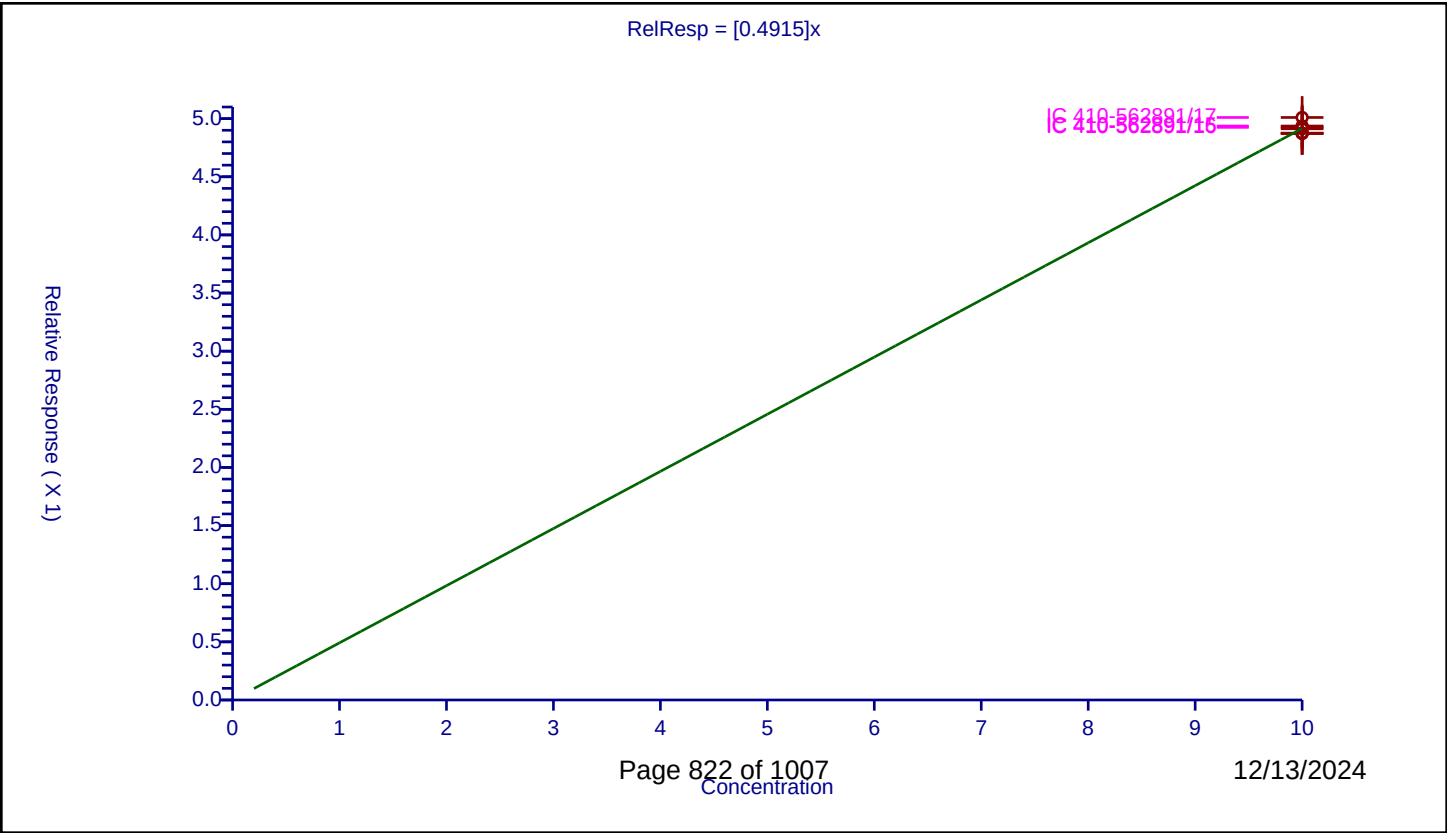
/ 4-Bromofluorobenzene (Surr)

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.4915
Error Coefficients	

Relative Standard Deviation: 1.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	10.0	4.875029	10.0	1492945.0	0.487503	Y
2	IC 410-562891/14	10.0	4.87401	10.0	1477383.0	0.487401	Y
3	IC 410-562891/15	10.0	4.93641	10.0	1484269.0	0.493641	Y
4	IC 410-562891/16	10.0	4.924995	10.0	1488359.0	0.492499	Y
5	IC 410-562891/17	10.0	5.010187	10.0	1486198.0	0.501019	Y
6	ICIS 410-562891/18	10.0	4.8722	10.0	1520584.0	0.48722	Y
7	IC 410-562891/19	10.0	4.912824	10.0	1542964.0	0.491282	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

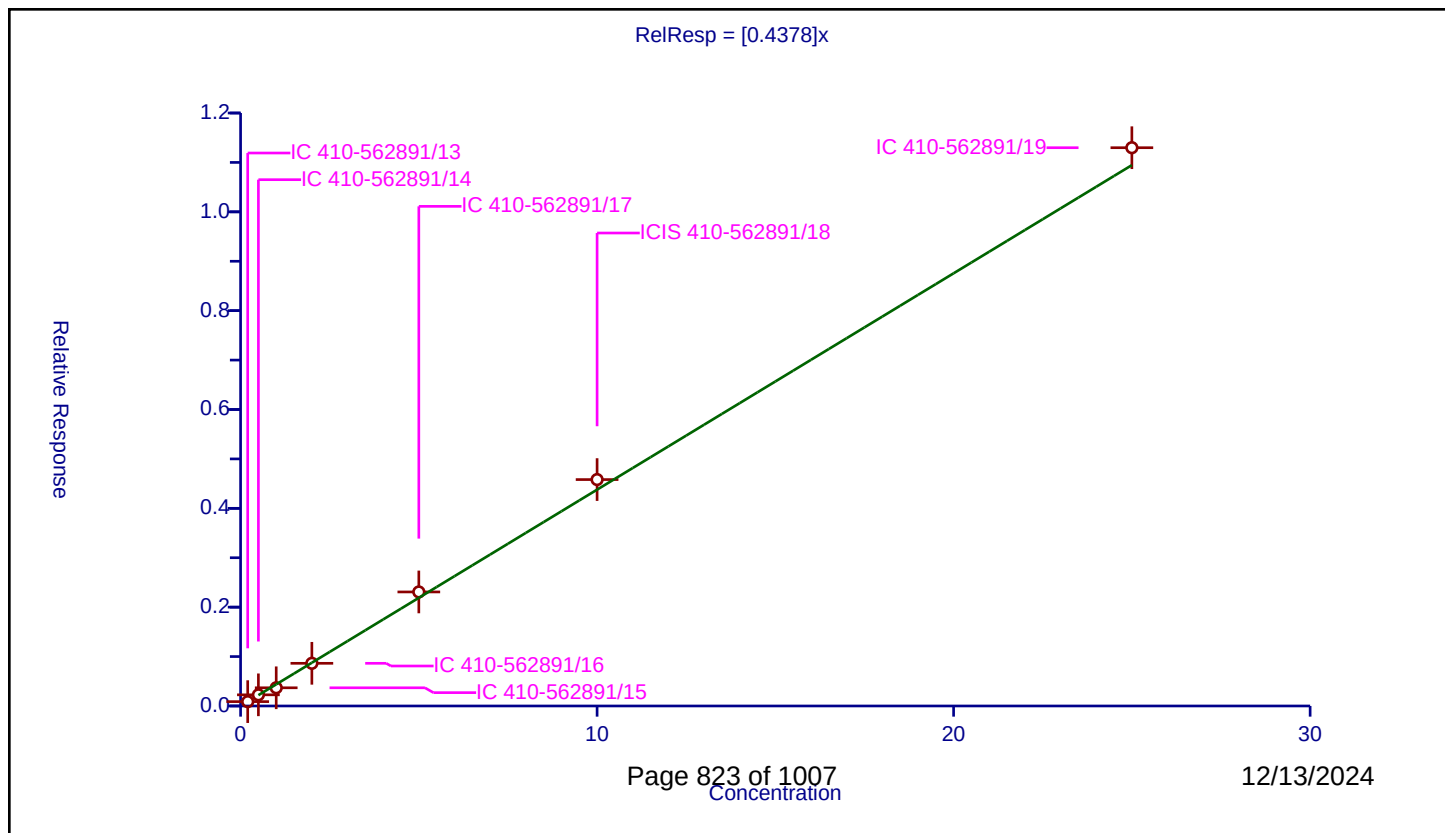
Curve Coefficients

Intercept: 0
Slope: 0.4378

Error Coefficients

Relative Standard Deviation: 7.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.088125	10.0	833699.0	0.440627	Y
2	IC 410-562891/14	0.5	0.225954	10.0	837428.0	0.451908	Y
3	IC 410-562891/15	1.0	0.368559	10.0	834277.0	0.368559	Y
4	IC 410-562891/16	2.0	0.863788	10.0	826048.0	0.431894	Y
5	IC 410-562891/17	5.0	2.307846	10.0	845338.0	0.461569	Y
6	ICIS 410-562891/18	10.0	4.581722	10.0	846649.0	0.458172	Y
7	IC 410-562891/19	25.0	11.298046	10.0	878058.0	0.451922	Y



Calibration

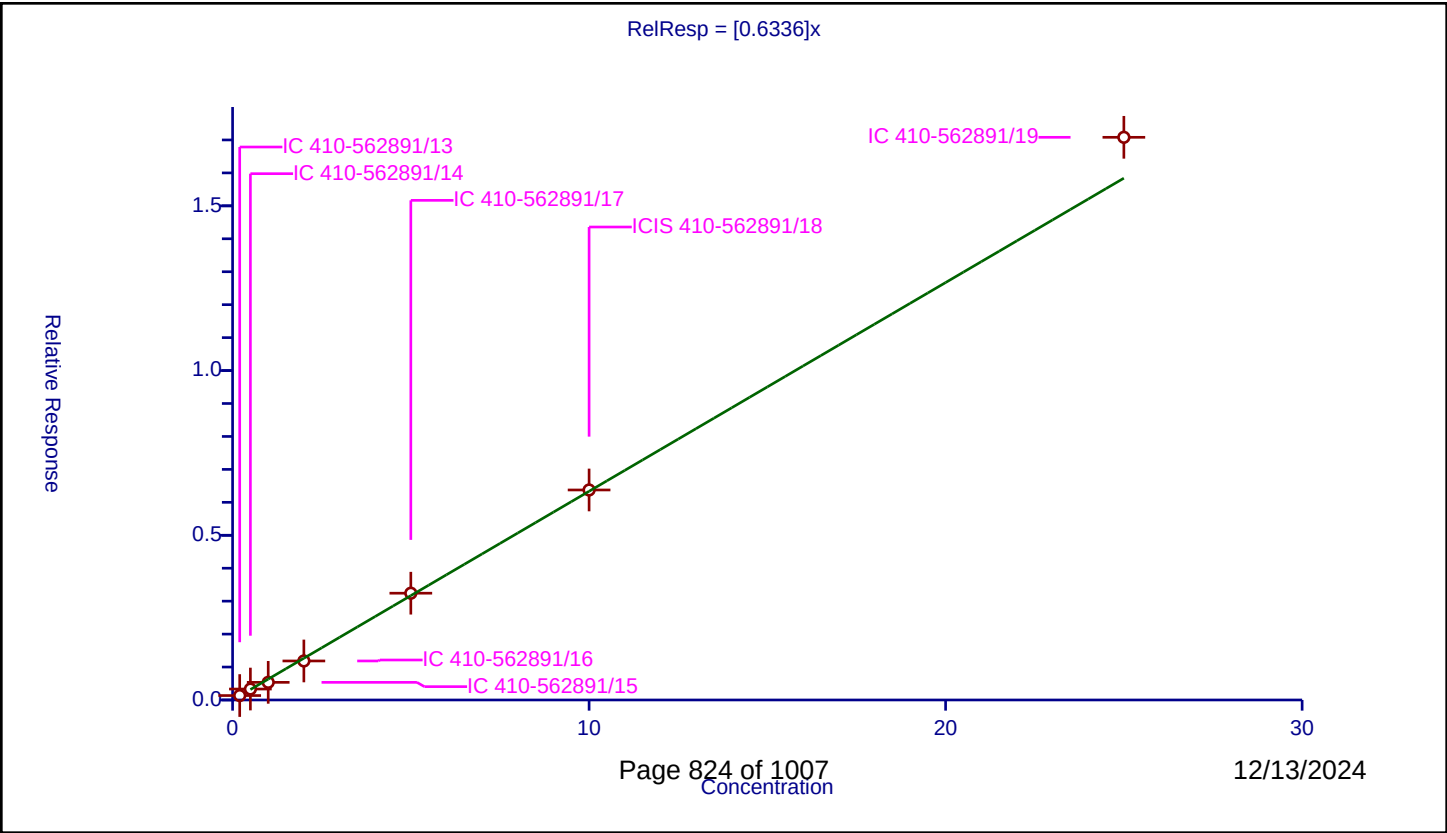
/ Bromobenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.6336
Error Coefficients	

Relative Standard Deviation: 8.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.134617	10.0	833699.0	0.673085	Y
2	IC 410-562891/14	0.5	0.332661	10.0	837428.0	0.665323	Y
3	IC 410-562891/15	1.0	0.53517	10.0	834277.0	0.53517	Y
4	IC 410-562891/16	2.0	1.184931	10.0	826048.0	0.592466	Y
5	IC 410-562891/17	5.0	3.241449	10.0	845338.0	0.64829	Y
6	ICIS 410-562891/18	10.0	6.374944	10.0	846649.0	0.637494	Y
7	IC 410-562891/19	25.0	17.080079	10.0	878058.0	0.683203	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

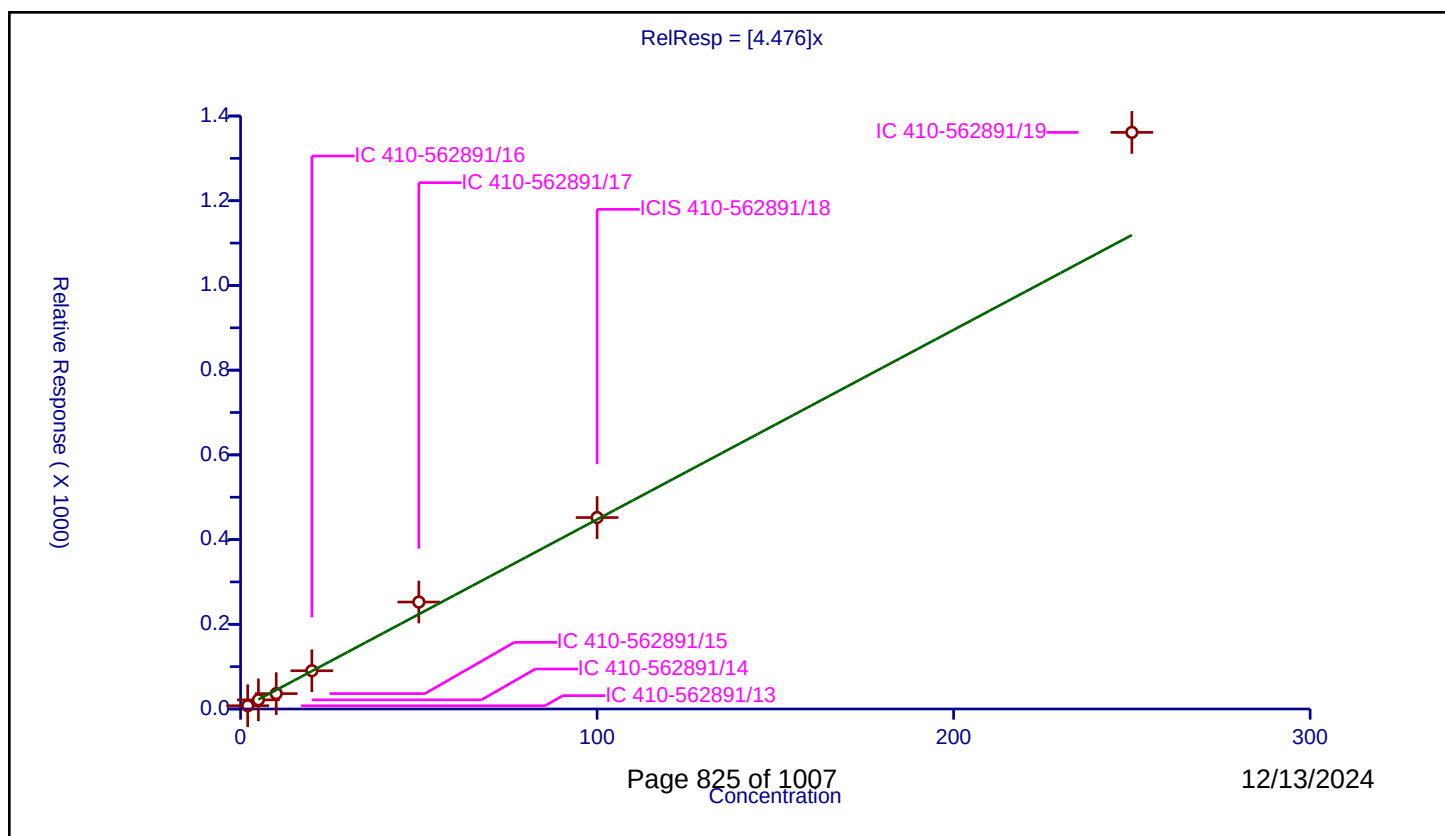
Curve Coefficients

Intercept: 0
Slope: 4.476

Error Coefficients

Relative Standard Deviation: 14.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	2.0	7.698181	50.0	89716.0	3.84909	Y
2	IC 410-562891/14	5.0	21.588824	50.0	93201.0	4.317765	Y
3	IC 410-562891/15	10.0	36.302572	50.0	100267.0	3.630257	Y
4	IC 410-562891/16	20.0	90.328942	50.0	93056.0	4.516447	Y
5	IC 410-562891/17	50.0	252.49413	50.0	95404.0	5.049883	Y
6	ICIS 410-562891/18	100.0	452.001654	50.0	108835.0	4.520017	Y
7	IC 410-562891/19	250.0	1361.360486	50.0	94503.0	5.445442	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

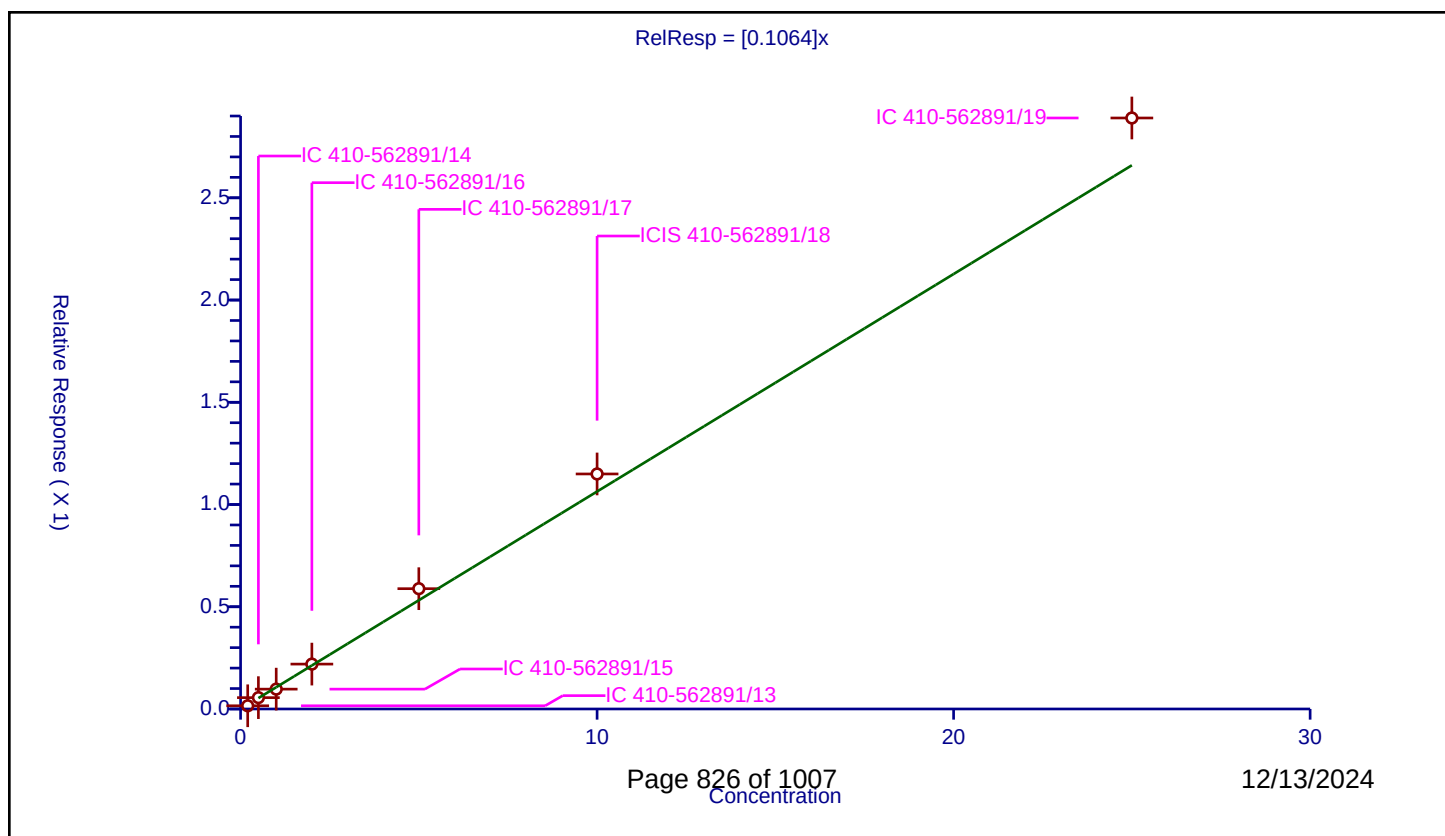
Curve Coefficients

Intercept: 0
Slope: 0.1064

Error Coefficients

Relative Standard Deviation: 13.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.015677	10.0	833699.0	0.078386	Y
2	IC 410-562891/14	0.5	0.055515	10.0	837428.0	0.11103	Y
3	IC 410-562891/15	1.0	0.097102	10.0	834277.0	0.097102	Y
4	IC 410-562891/16	2.0	0.219539	10.0	826048.0	0.10977	Y
5	IC 410-562891/17	5.0	0.588345	10.0	845338.0	0.117669	Y
6	ICIS 410-562891/18	10.0	1.14939	10.0	846649.0	0.114939	Y
7	IC 410-562891/19	25.0	2.890333	10.0	878058.0	0.115613	Y



Calibration

/ N-Propylbenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

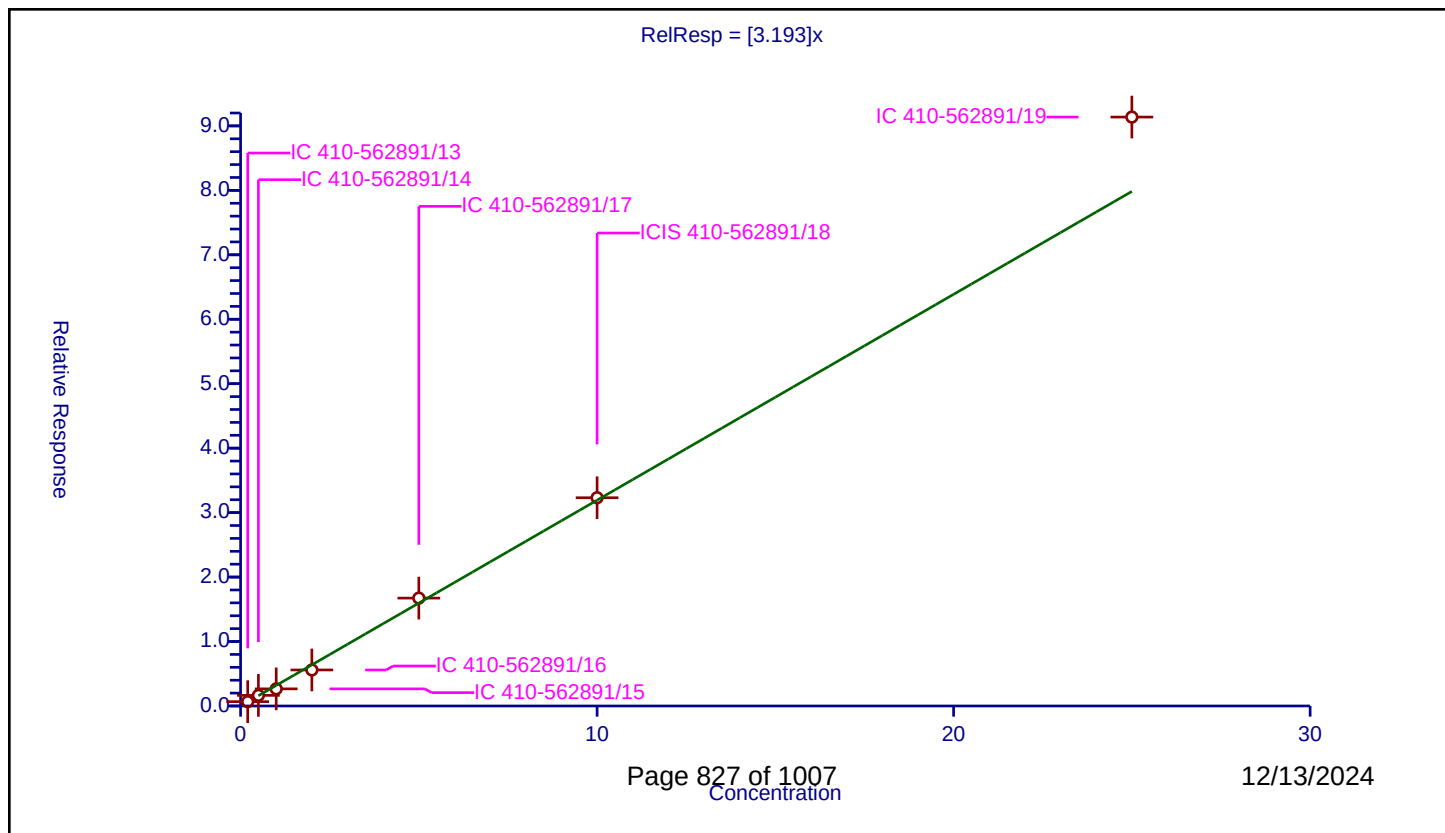
Curve Coefficients

Intercept: 0
Slope: 3.193

Error Coefficients

Relative Standard Deviation: 10.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.672989	10.0	833699.0	3.364943	Y
2	IC 410-562891/14	0.5	1.650339	10.0	837428.0	3.300678	Y
3	IC 410-562891/15	1.0	2.660232	10.0	834277.0	2.660232	Y
4	IC 410-562891/16	2.0	5.590547	10.0	826048.0	2.795273	Y
5	IC 410-562891/17	5.0	16.737139	10.0	845338.0	3.347428	Y
6	ICIS 410-562891/18	10.0	32.310851	10.0	846649.0	3.231085	Y
7	IC 410-562891/19	25.0	91.37057	10.0	878058.0	3.654823	Y

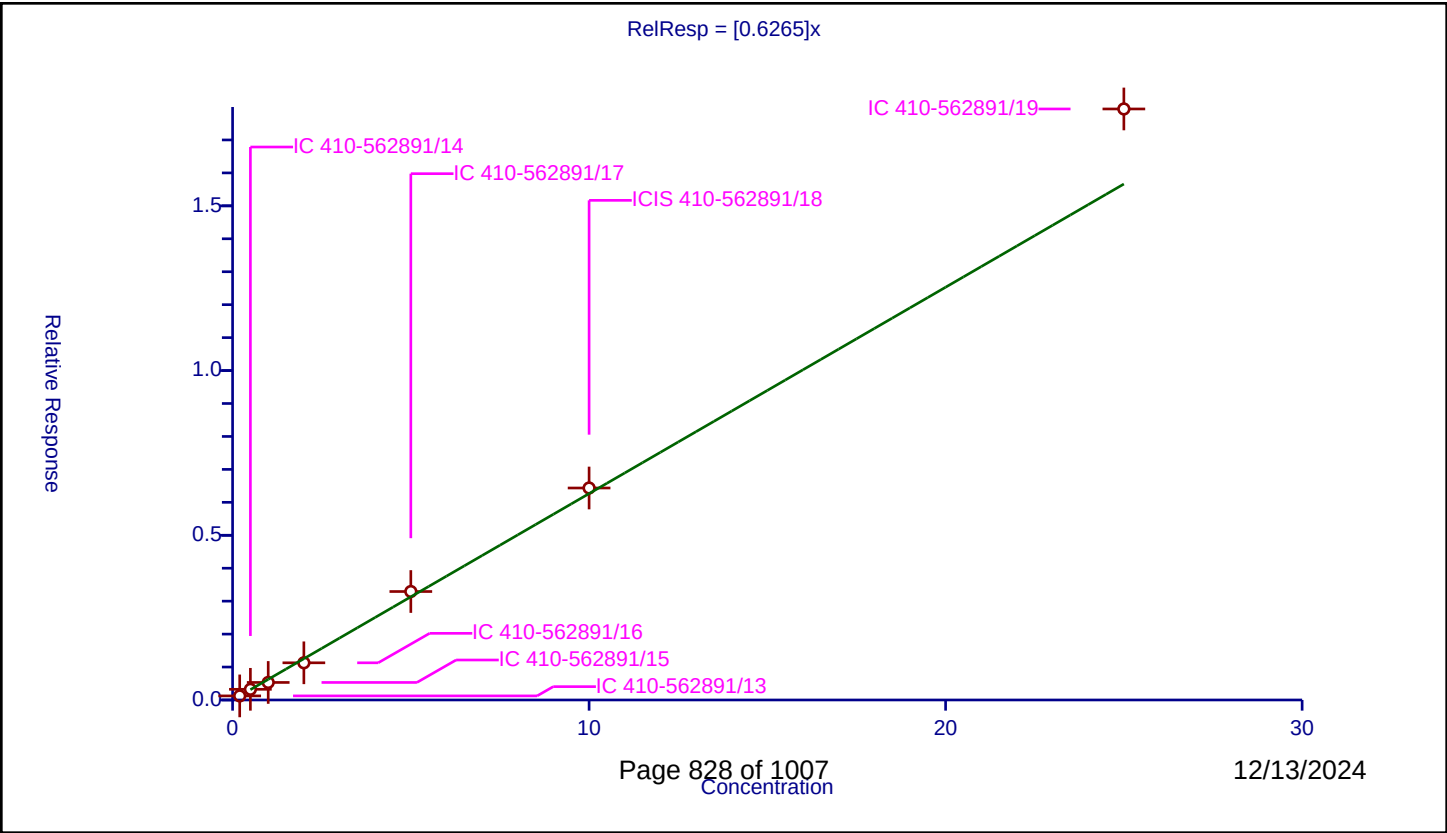


Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.6265
Error Coefficients	

Relative Standard Deviation: 9.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.124062	10.0	833699.0	0.620308	Y
2	IC 410-562891/14	0.5	0.32435	10.0	837428.0	0.648701	Y
3	IC 410-562891/15	1.0	0.532233	10.0	834277.0	0.532233	Y
4	IC 410-562891/16	2.0	1.129014	10.0	826048.0	0.564507	Y
5	IC 410-562891/17	5.0	3.292174	10.0	845338.0	0.658435	Y
6	ICIS 410-562891/18	10.0	6.435311	10.0	846649.0	0.643531	Y
7	IC 410-562891/19	25.0	17.94058	10.0	878058.0	0.717623	Y



Calibration

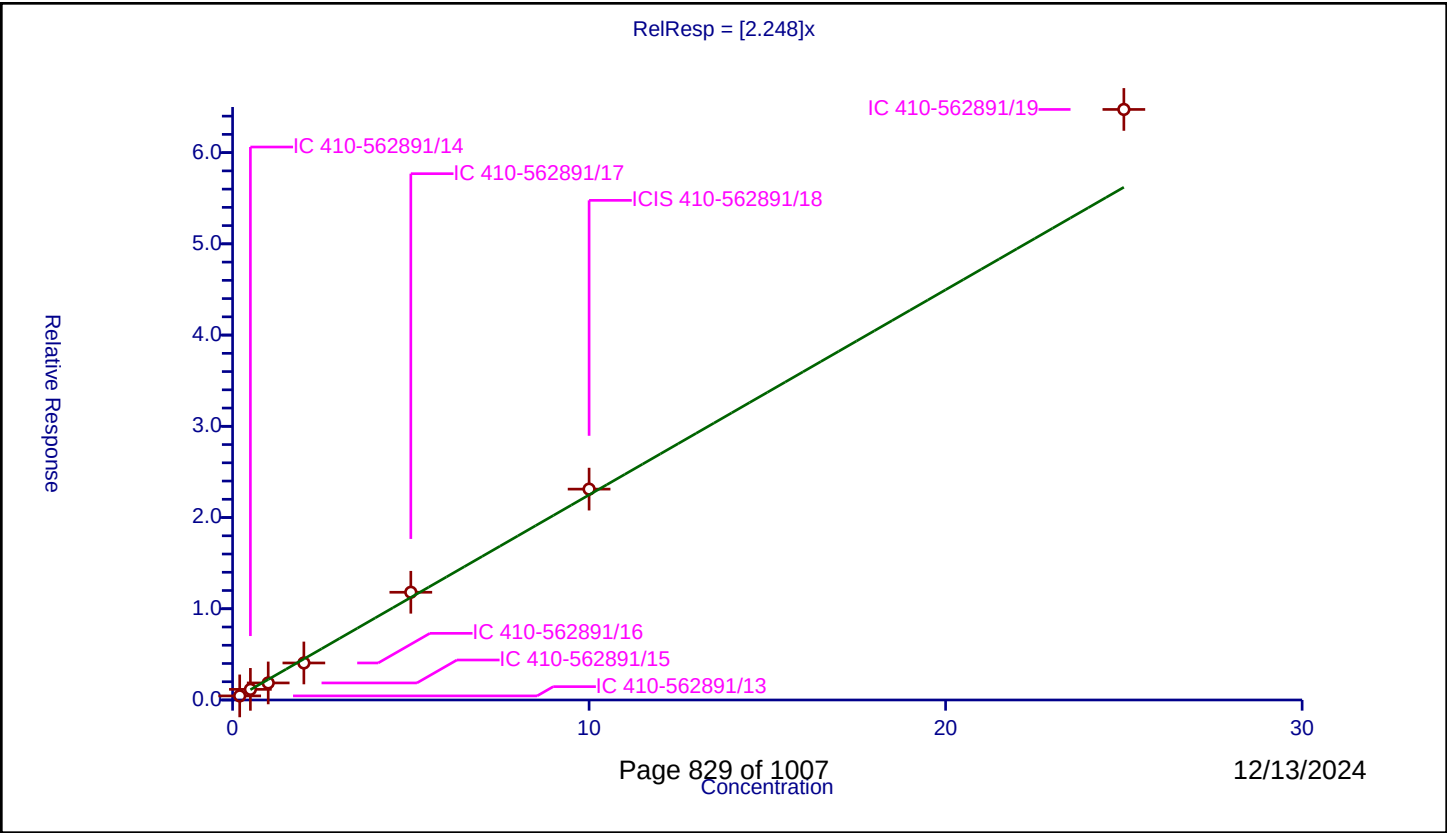
/ 1,3,5-Trimethylbenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	2.248
Error Coefficients	

Relative Standard Deviation: 10.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.448795	10.0	833699.0	2.243975	Y
2	IC 410-562891/14	0.5	1.165557	10.0	837428.0	2.331114	Y
3	IC 410-562891/15	1.0	1.870338	10.0	834277.0	1.870338	Y
4	IC 410-562891/16	2.0	4.059401	10.0	826048.0	2.0297	Y
5	IC 410-562891/17	5.0	11.807218	10.0	845338.0	2.361444	Y
6	ICIS 410-562891/18	10.0	23.114148	10.0	846649.0	2.311415	Y
7	IC 410-562891/19	25.0	64.734129	10.0	878058.0	2.589365	Y



Calibration

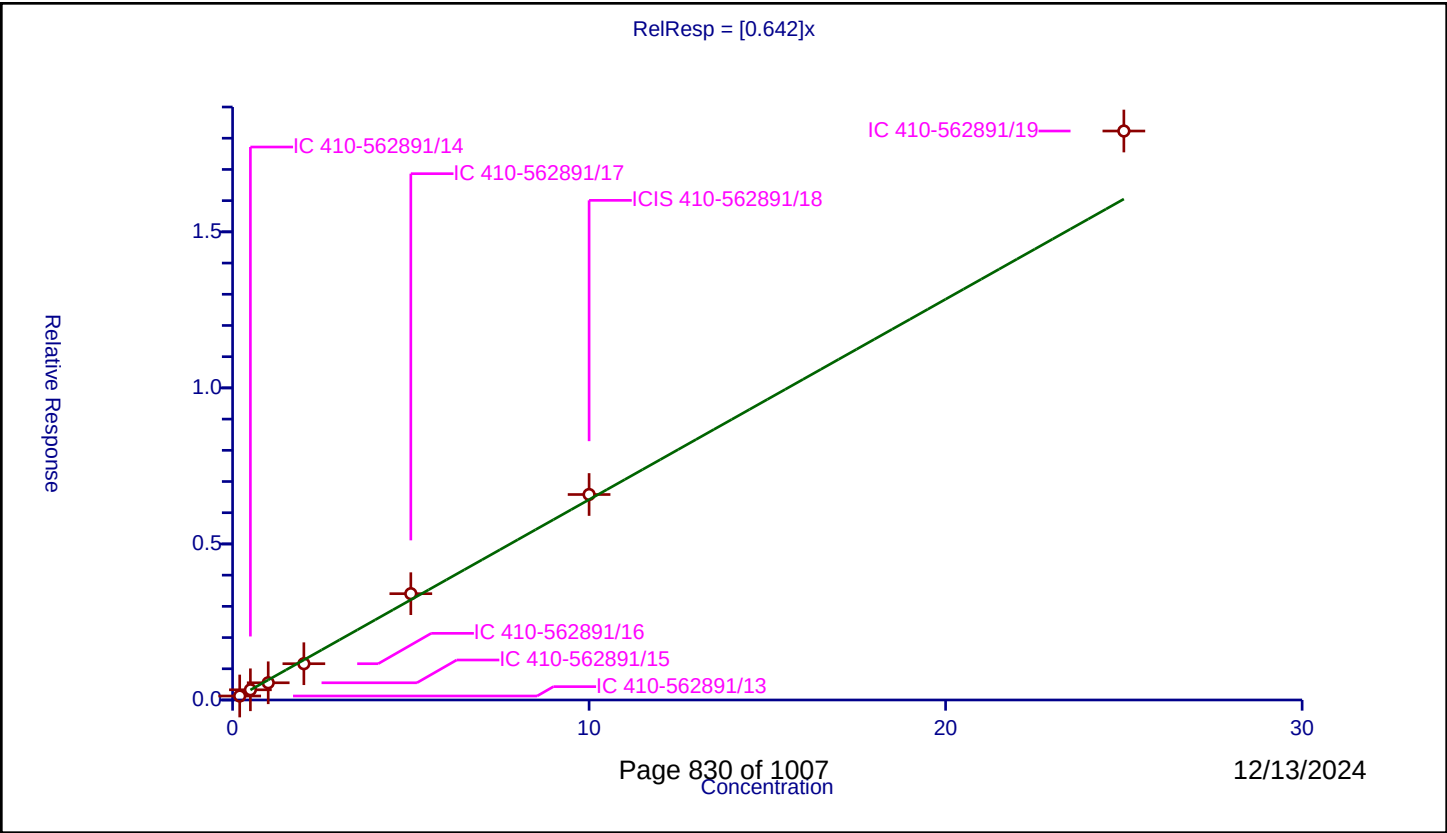
/ 4-Chlorotoluene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.642
Error Coefficients	

Relative Standard Deviation: 9.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.12784	10.0	833699.0	0.6392	Y
2	IC 410-562891/14	0.5	0.326965	10.0	837428.0	0.653931	Y
3	IC 410-562891/15	1.0	0.551268	10.0	834277.0	0.551268	Y
4	IC 410-562891/16	2.0	1.162233	10.0	826048.0	0.581116	Y
5	IC 410-562891/17	5.0	3.405868	10.0	845338.0	0.681174	Y
6	ICIS 410-562891/18	10.0	6.584086	10.0	846649.0	0.658409	Y
7	IC 410-562891/19	25.0	18.231005	10.0	878058.0	0.72924	Y



Calibration

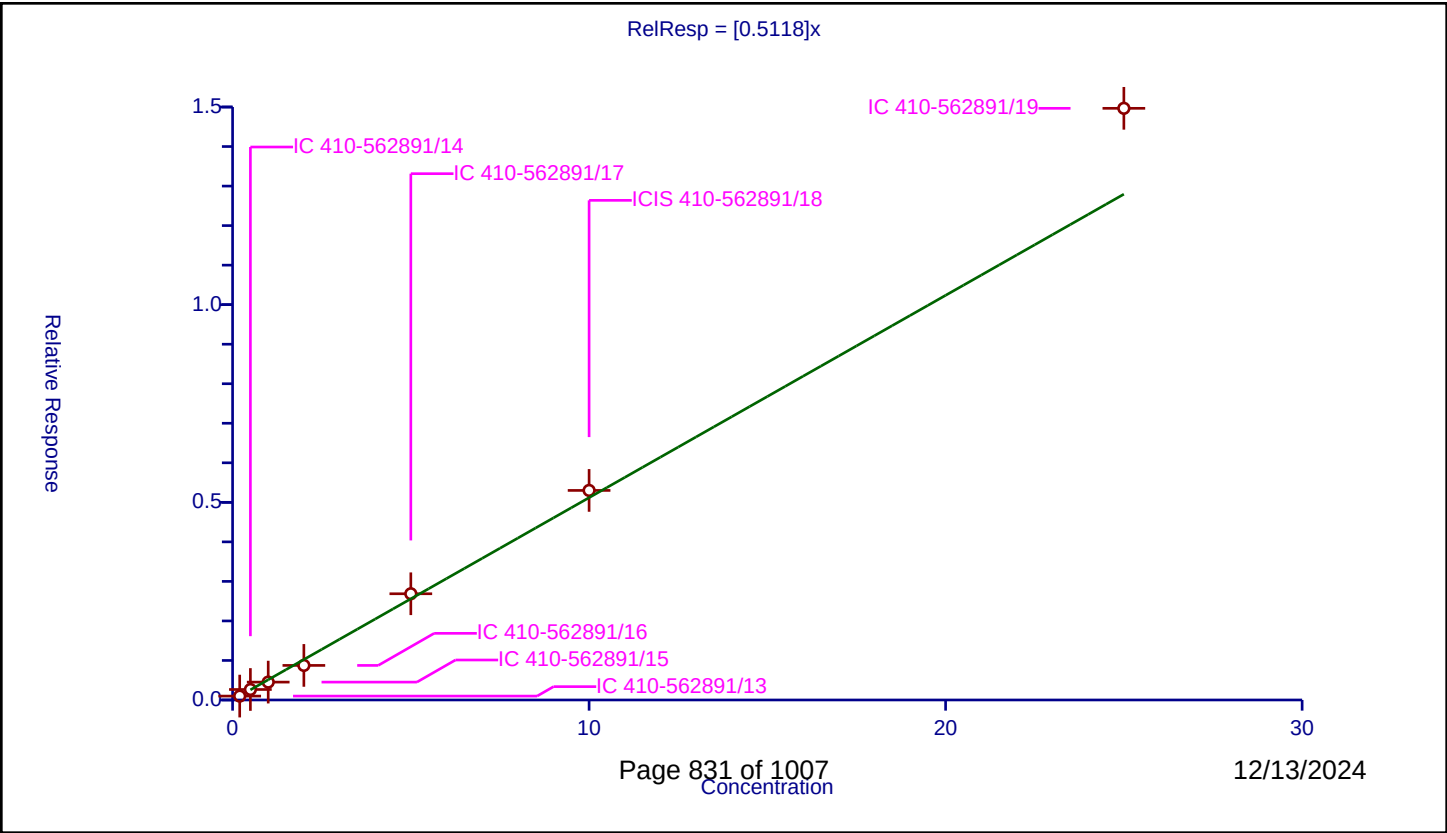
/ tert-Butylbenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.5118
Error Coefficients	

Relative Standard Deviation: 10.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.099113	10.0	833699.0	0.495563	Y
2	IC 410-562891/14	0.5	0.265503	10.0	837428.0	0.531007	Y
3	IC 410-562891/15	1.0	0.452548	10.0	834277.0	0.452548	Y
4	IC 410-562891/16	2.0	0.874465	10.0	826048.0	0.437232	Y
5	IC 410-562891/17	5.0	2.687162	10.0	845338.0	0.537432	Y
6	ICIS 410-562891/18	10.0	5.301134	10.0	846649.0	0.530113	Y
7	IC 410-562891/19	25.0	14.967109	10.0	878058.0	0.598684	Y



Calibration

/ Pentachloroethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

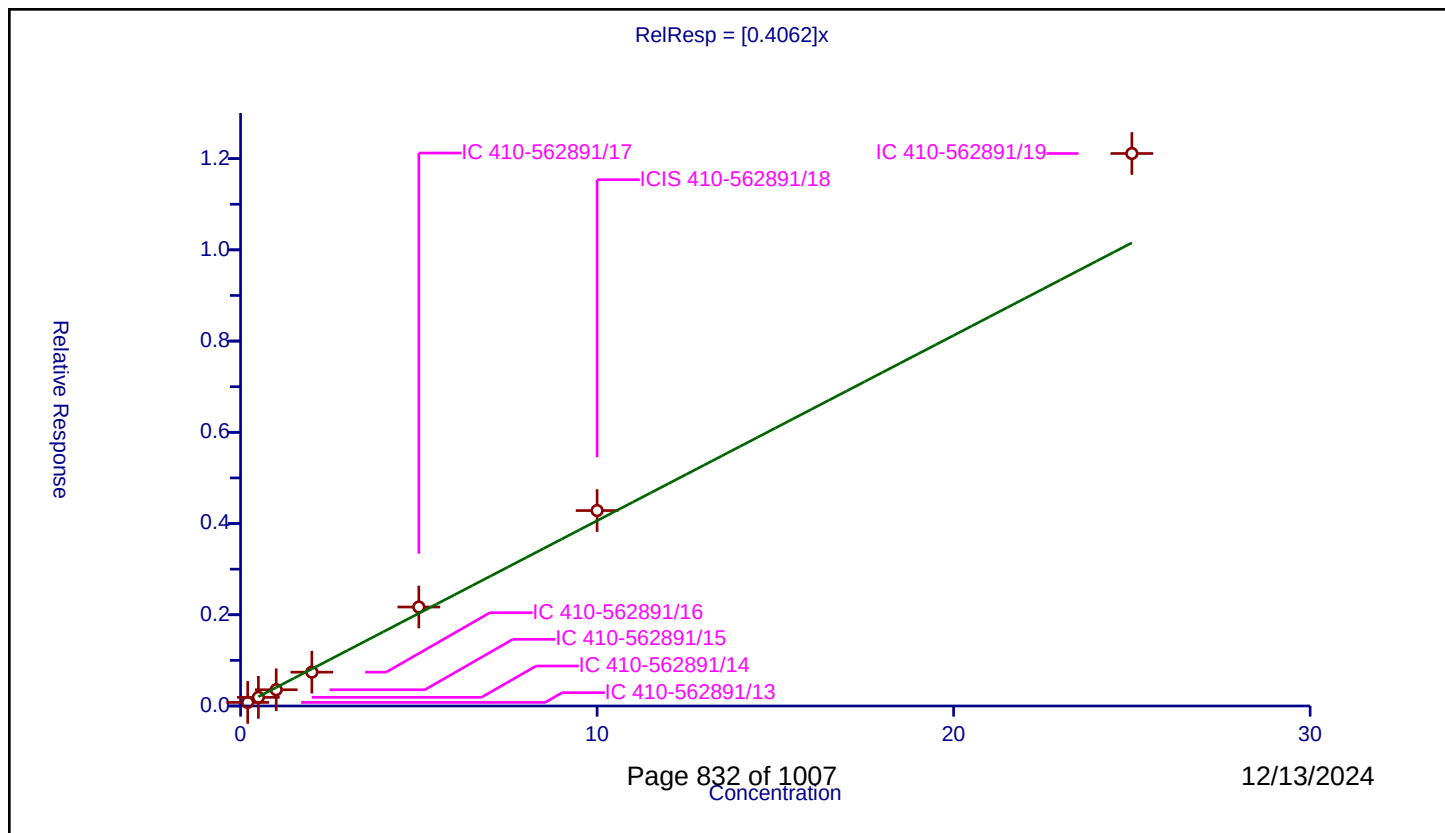
Curve Coefficients

Intercept: 0
Slope: 0.4062

Error Coefficients

Relative Standard Deviation: 11.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.078002	10.0	833699.0	0.390009	Y
2	IC 410-562891/14	0.5	0.189497	10.0	837428.0	0.378994	Y
3	IC 410-562891/15	1.0	0.3565	10.0	834277.0	0.3565	Y
4	IC 410-562891/16	2.0	0.741858	10.0	826048.0	0.370929	Y
5	IC 410-562891/17	5.0	2.169937	10.0	845338.0	0.433987	Y
6	ICIS 410-562891/18	10.0	4.284396	10.0	846649.0	0.42844	Y
7	IC 410-562891/19	25.0	12.112355	10.0	878058.0	0.484494	Y



Calibration

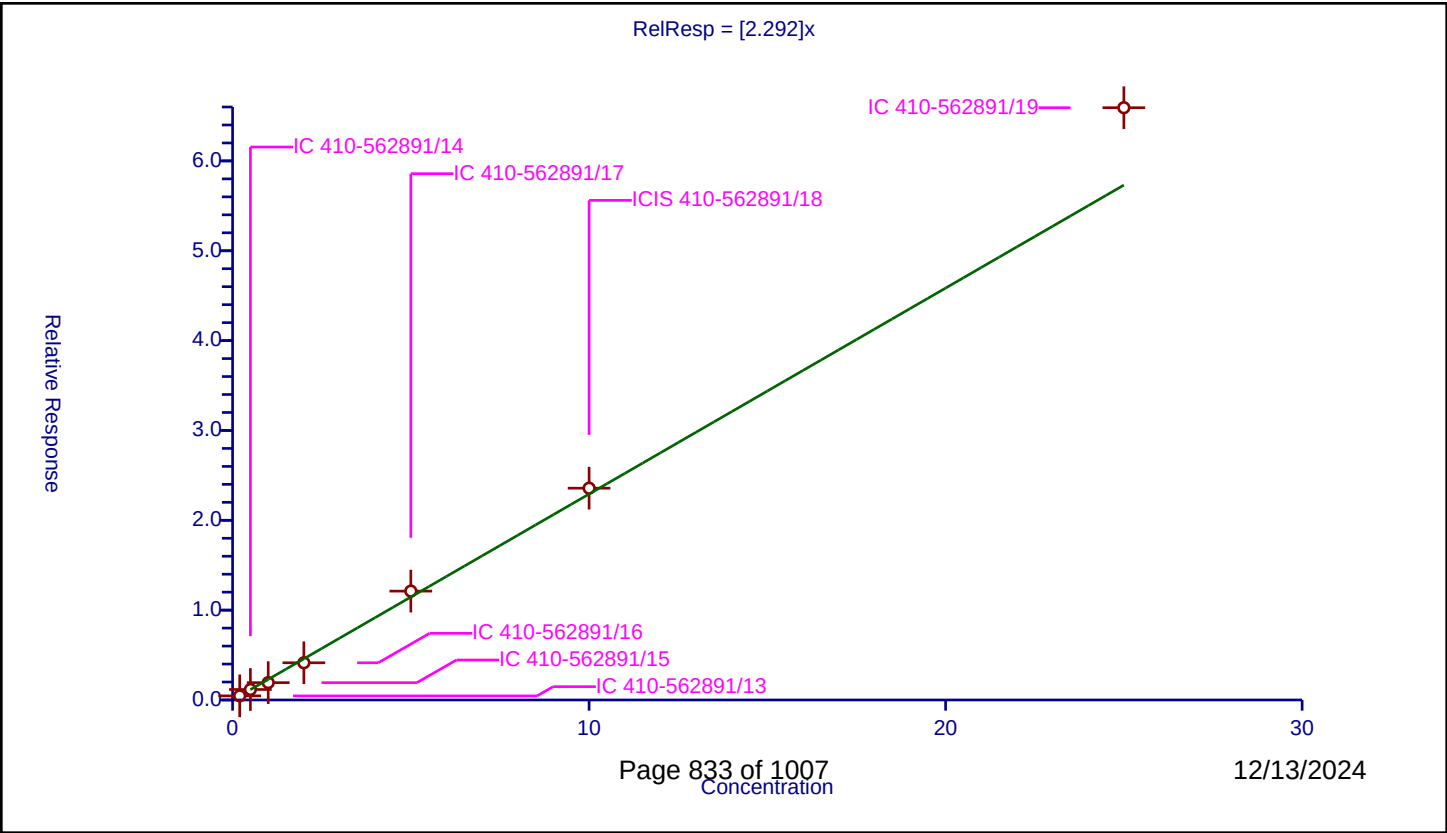
/ 1,2,4-Trimethylbenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	2.292
Error Coefficients	

Relative Standard Deviation: 10.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.457887	10.0	833699.0	2.289435	Y
2	IC 410-562891/14	0.5	1.16939	10.0	837428.0	2.33878	Y
3	IC 410-562891/15	1.0	1.929719	10.0	834277.0	1.929719	Y
4	IC 410-562891/16	2.0	4.141902	10.0	826048.0	2.070951	Y
5	IC 410-562891/17	5.0	12.116443	10.0	845338.0	2.423289	Y
6	ICIS 410-562891/18	10.0	23.574917	10.0	846649.0	2.357492	Y
7	IC 410-562891/19	25.0	65.922217	10.0	878058.0	2.636889	Y



Calibration

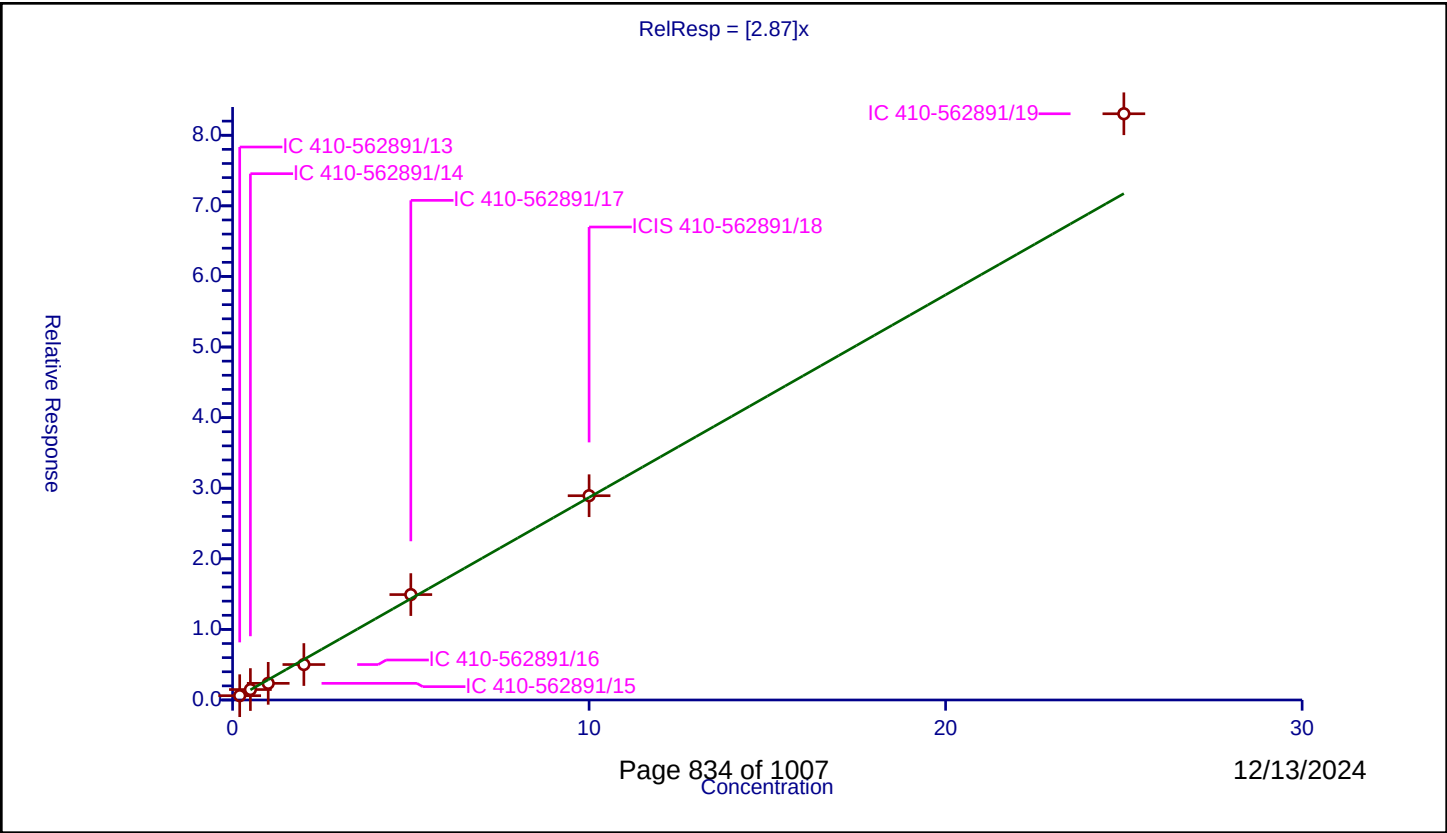
/ sec-Butylbenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	2.87
Error Coefficients	

Relative Standard Deviation: 11.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.611864	10.0	833699.0	3.059318	Y
2	IC 410-562891/14	0.5	1.477357	10.0	837428.0	2.954714	Y
3	IC 410-562891/15	1.0	2.360199	10.0	834277.0	2.360199	Y
4	IC 410-562891/16	2.0	5.021791	10.0	826048.0	2.510895	Y
5	IC 410-562891/17	5.0	14.930868	10.0	845338.0	2.986174	Y
6	ICIS 410-562891/18	10.0	28.936289	10.0	846649.0	2.893629	Y
7	IC 410-562891/19	25.0	83.04489	10.0	878058.0	3.321796	Y



Calibration

/ 1,3-Dichlorobenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

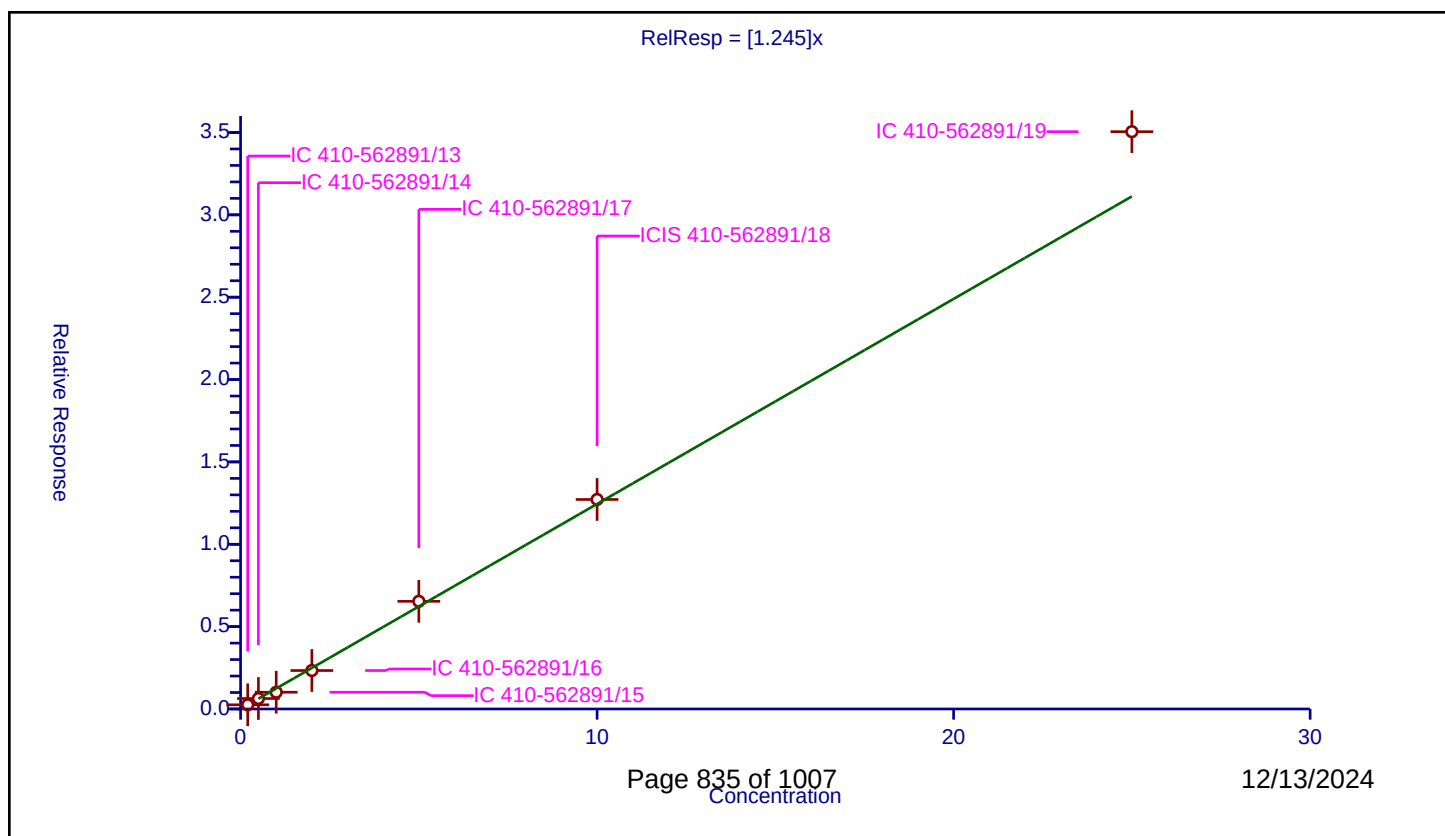
Curve Coefficients

Intercept: 0
Slope: 1.245

Error Coefficients

Relative Standard Deviation: 9.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.255008	10.0	833699.0	1.275041	Y
2	IC 410-562891/14	0.5	0.635732	10.0	837428.0	1.271465	Y
3	IC 410-562891/15	1.0	1.017767	10.0	834277.0	1.017767	Y
4	IC 410-562891/16	2.0	2.335554	10.0	826048.0	1.167777	Y
5	IC 410-562891/17	5.0	6.537314	10.0	845338.0	1.307463	Y
6	ICIS 410-562891/18	10.0	12.719179	10.0	846649.0	1.271918	Y
7	IC 410-562891/19	25.0	35.050099	10.0	878058.0	1.402004	Y



Calibration

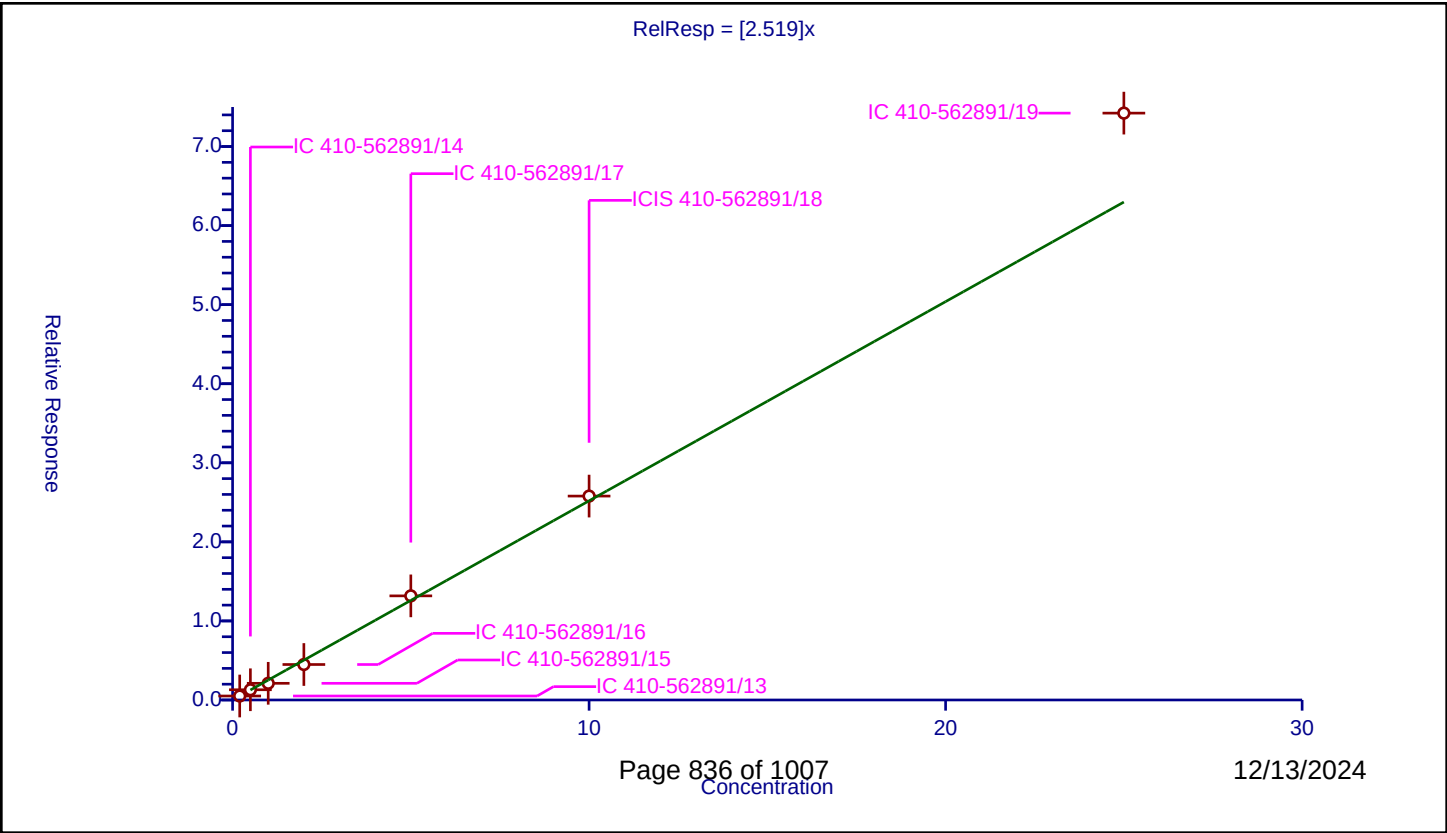
/ 4-Isopropyltoluene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	2.519
Error Coefficients	

Relative Standard Deviation: 11.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.502735	10.0	833699.0	2.513677	Y
2	IC 410-562891/14	0.5	1.292087	10.0	837428.0	2.584174	Y
3	IC 410-562891/15	1.0	2.110438	10.0	834277.0	2.110438	Y
4	IC 410-562891/16	2.0	4.488347	10.0	826048.0	2.244173	Y
5	IC 410-562891/17	5.0	13.168129	10.0	845338.0	2.633626	Y
6	ICIS 410-562891/18	10.0	25.791278	10.0	846649.0	2.579128	Y
7	IC 410-562891/19	25.0	74.228525	10.0	878058.0	2.969141	Y



Calibration

/ 1,4-Dichlorobenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

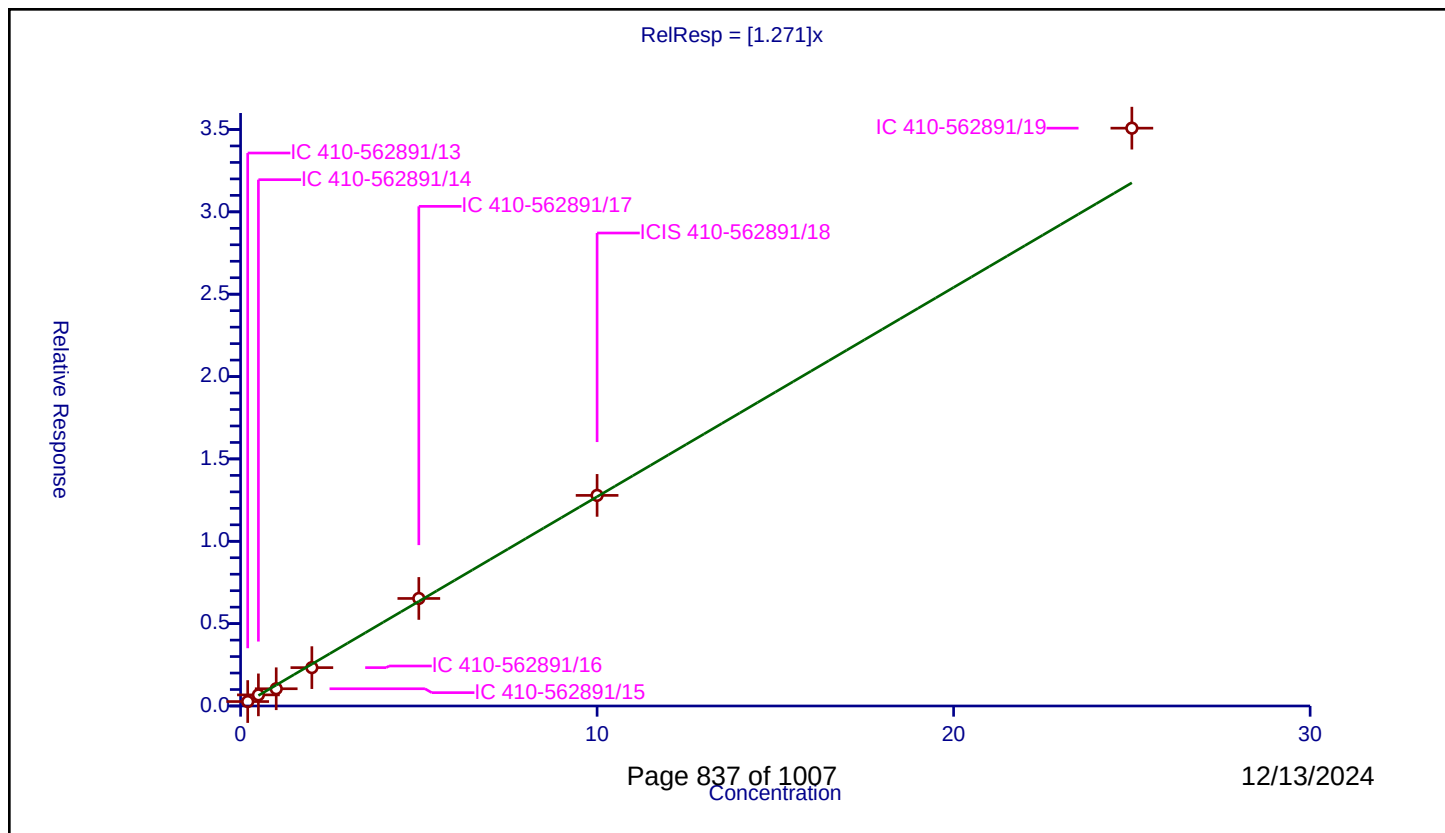
Curve Coefficients

Intercept: 0
Slope: 1.271

Error Coefficients

Relative Standard Deviation: 9.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.269366	10.0	833699.0	1.346829	Y
2	IC 410-562891/14	0.5	0.67361	10.0	837428.0	1.34722	Y
3	IC 410-562891/15	1.0	1.04729	10.0	834277.0	1.04729	Y
4	IC 410-562891/16	2.0	2.329465	10.0	826048.0	1.164733	Y
5	IC 410-562891/17	5.0	6.528063	10.0	845338.0	1.305613	Y
6	ICIS 410-562891/18	10.0	12.786515	10.0	846649.0	1.278651	Y
7	IC 410-562891/19	25.0	35.080017	10.0	878058.0	1.403201	Y



Calibration

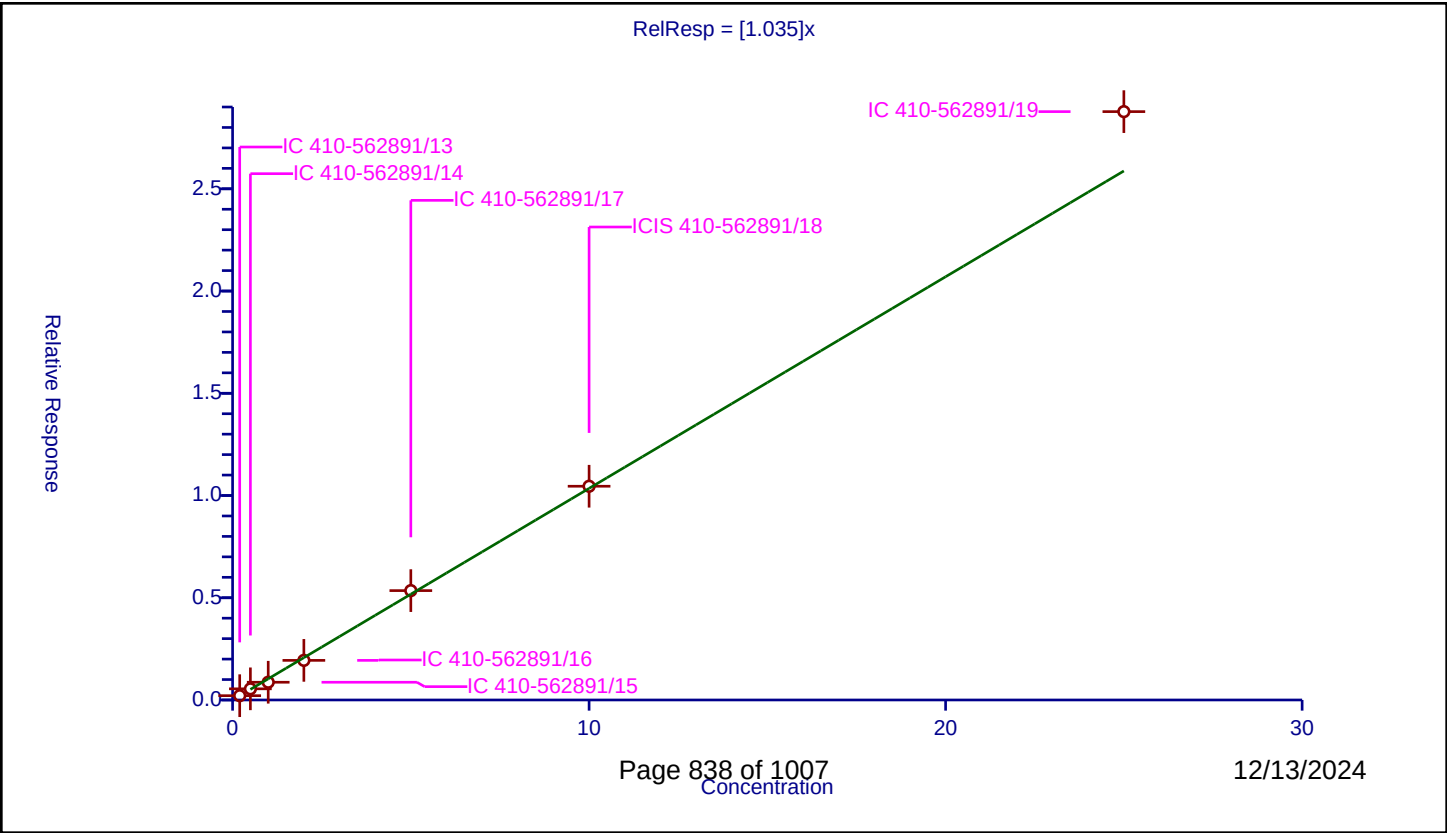
/ 1,2,3-Trimethylbenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.035
Error Coefficients	

Relative Standard Deviation: 8.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.210076	10.0	833699.0	1.050379	Y
2	IC 410-562891/14	0.5	0.545671	10.0	837428.0	1.091342	Y
3	IC 410-562891/15	1.0	0.868057	10.0	834277.0	0.868057	Y
4	IC 410-562891/16	2.0	1.937127	10.0	826048.0	0.968564	Y
5	IC 410-562891/17	5.0	5.348642	10.0	845338.0	1.069728	Y
6	ICIS 410-562891/18	10.0	10.453848	10.0	846649.0	1.045385	Y
7	IC 410-562891/19	25.0	28.77425	10.0	878058.0	1.15097	Y



Calibration

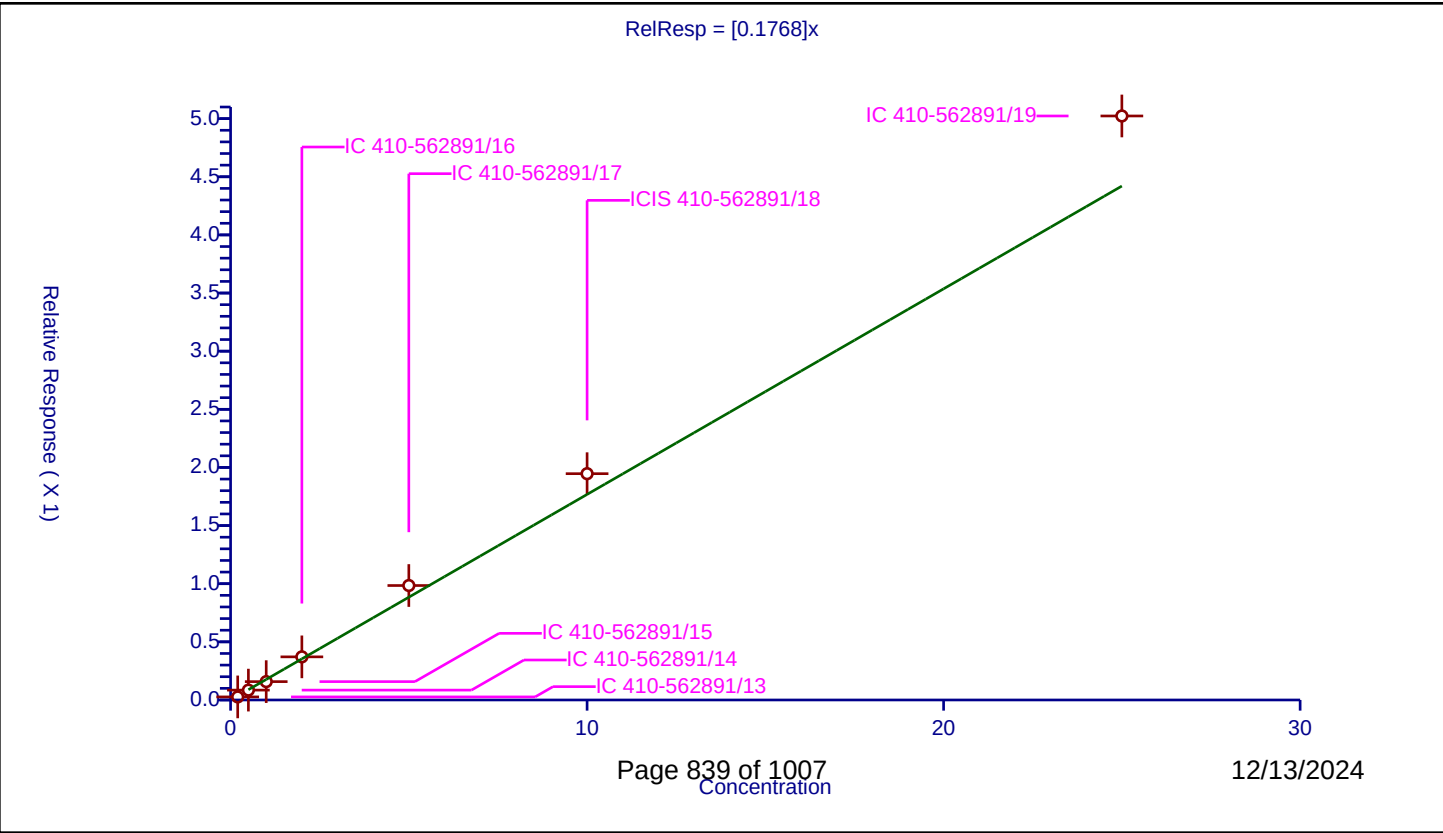
/ Benzyl chloride

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.1768

Error Coefficients	
Relative Standard Deviation:	14.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.026376	10.0	833699.0	0.131882	Y
2	IC 410-562891/14	0.5	0.084927	10.0	837428.0	0.169853	Y
3	IC 410-562891/15	1.0	0.157921	10.0	834277.0	0.157921	Y
4	IC 410-562891/16	2.0	0.37108	10.0	826048.0	0.18554	Y
5	IC 410-562891/17	5.0	0.984565	10.0	845338.0	0.196913	Y
6	ICIS 410-562891/18	10.0	1.946438	10.0	846649.0	0.194644	Y
7	IC 410-562891/19	25.0	5.022834	10.0	878058.0	0.200913	Y



Calibration

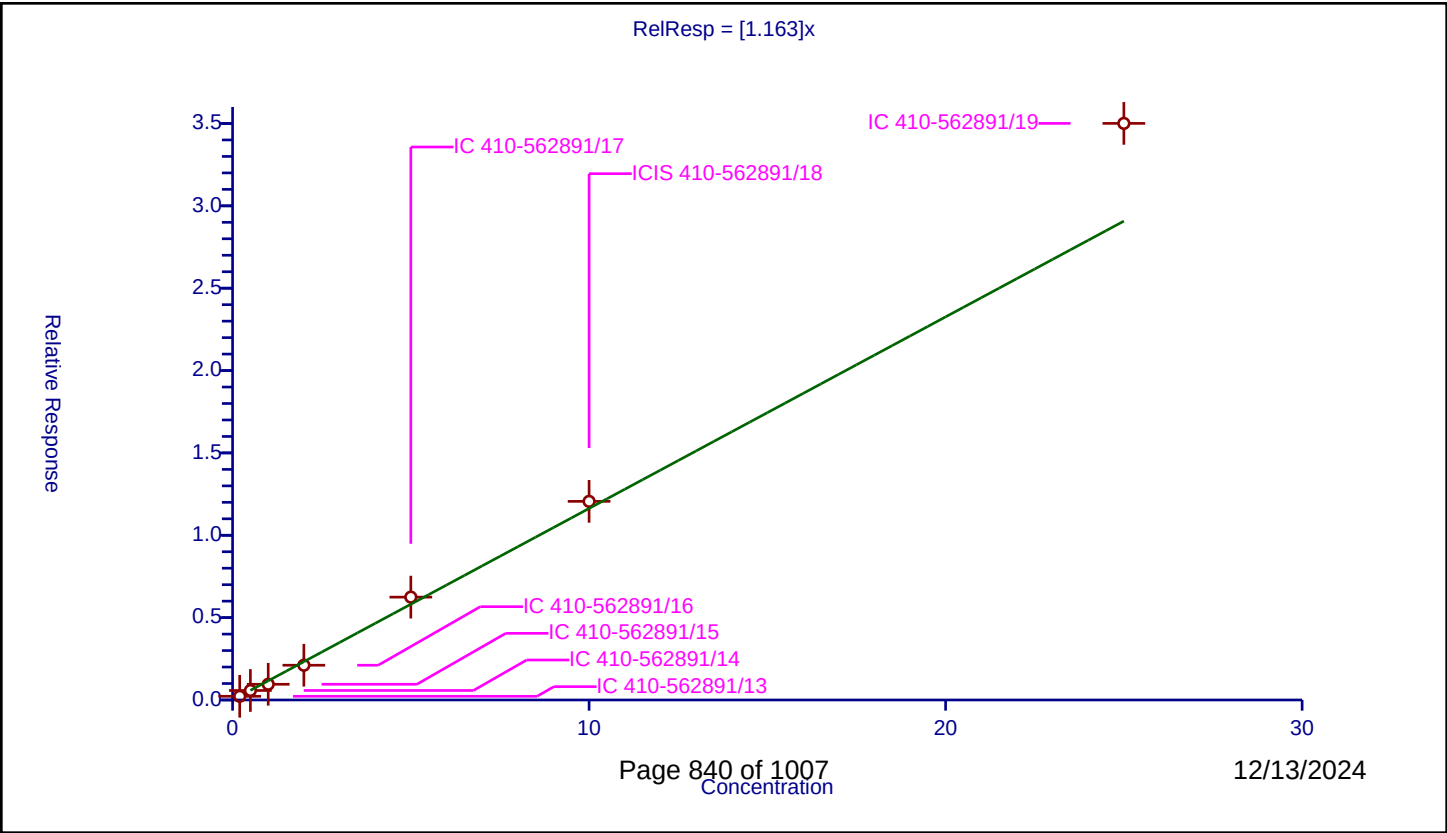
/ n-Butylbenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.163
Error Coefficients	

Relative Standard Deviation: 12.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.224757	10.0	833699.0	1.123787	Y
2	IC 410-562891/14	0.5	0.576515	10.0	837428.0	1.15303	Y
3	IC 410-562891/15	1.0	0.95364	10.0	834277.0	0.95364	Y
4	IC 410-562891/16	2.0	2.109563	10.0	826048.0	1.054781	Y
5	IC 410-562891/17	5.0	6.245194	10.0	845338.0	1.249039	Y
6	ICIS 410-562891/18	10.0	12.058196	10.0	846649.0	1.20582	Y
7	IC 410-562891/19	25.0	35.00607	10.0	878058.0	1.400243	Y



Calibration

/ 1,2-Dichlorobenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

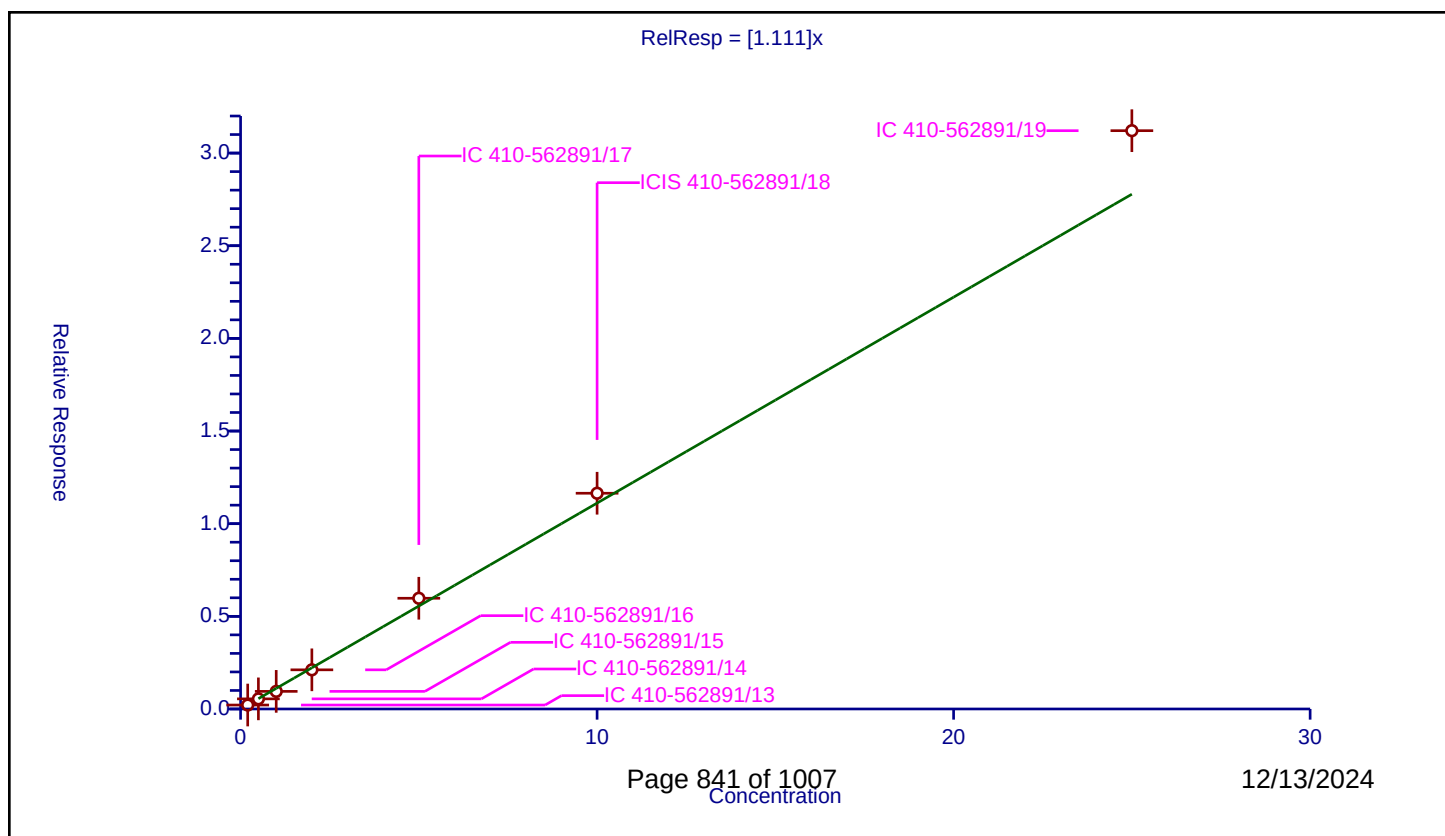
Curve Coefficients

Intercept: 0
Slope: 1.111

Error Coefficients

Relative Standard Deviation: 9.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.214274	10.0	833699.0	1.07137	Y
2	IC 410-562891/14	0.5	0.546256	10.0	837428.0	1.092512	Y
3	IC 410-562891/15	1.0	0.950464	10.0	834277.0	0.950464	Y
4	IC 410-562891/16	2.0	2.112734	10.0	826048.0	1.056367	Y
5	IC 410-562891/17	5.0	5.976189	10.0	845338.0	1.195238	Y
6	ICIS 410-562891/18	10.0	11.642215	10.0	846649.0	1.164222	Y
7	IC 410-562891/19	25.0	31.20844	10.0	878058.0	1.248338	Y



Calibration

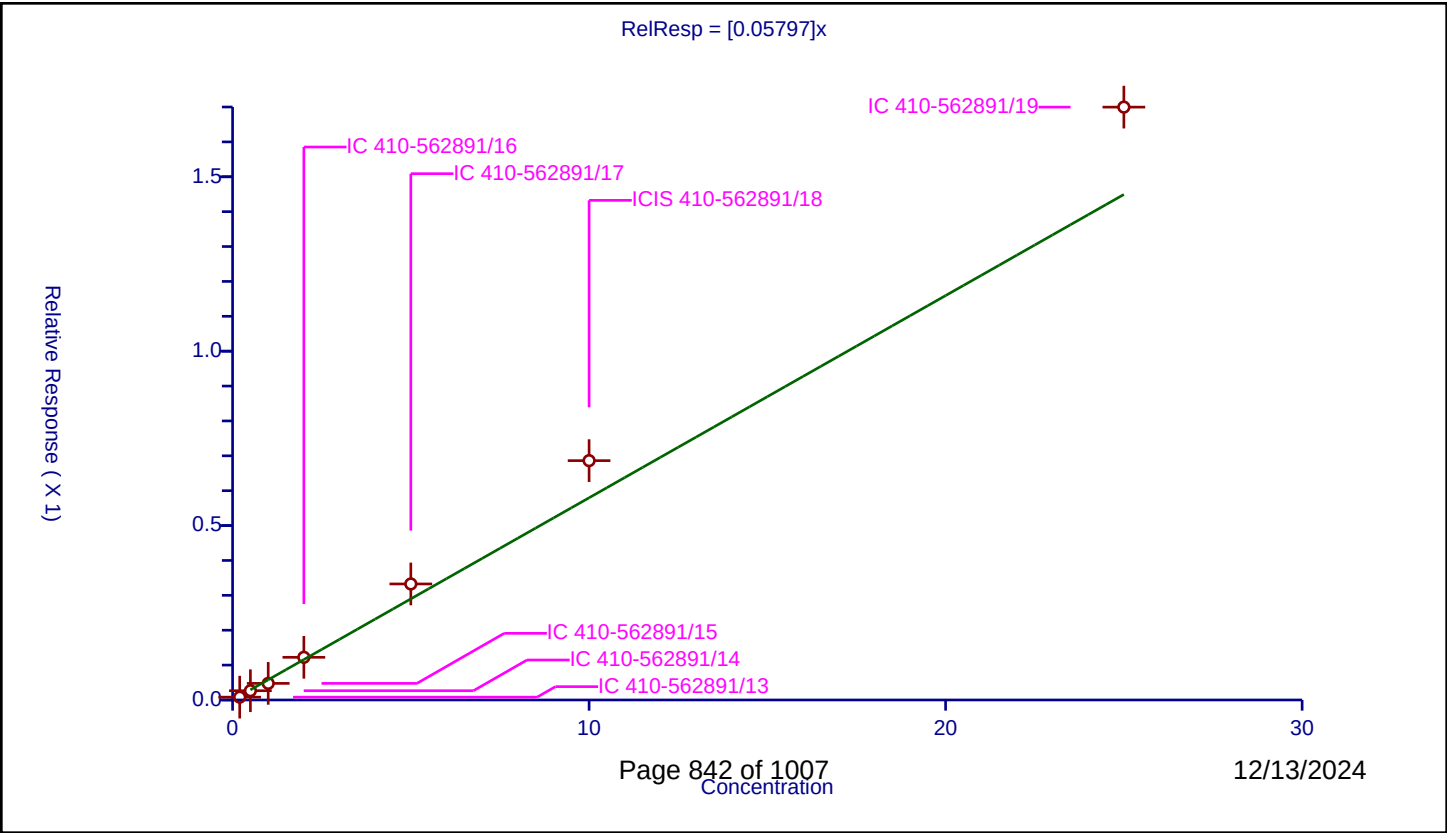
/ 1,2-Dibromo-3-Chloropropane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.05797
Error Coefficients	

Relative Standard Deviation: 19.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.008132	10.0	833699.0	0.040662	Y
2	IC 410-562891/14	0.5	0.026593	10.0	837428.0	0.053187	Y
3	IC 410-562891/15	1.0	0.047622	10.0	834277.0	0.047622	Y
4	IC 410-562891/16	2.0	0.122378	10.0	826048.0	0.061189	Y
5	IC 410-562891/17	5.0	0.33266	10.0	845338.0	0.066532	Y
6	ICIS 410-562891/18	10.0	0.686152	10.0	846649.0	0.068615	Y
7	IC 410-562891/19	25.0	1.699717	10.0	878058.0	0.067989	Y



Calibration

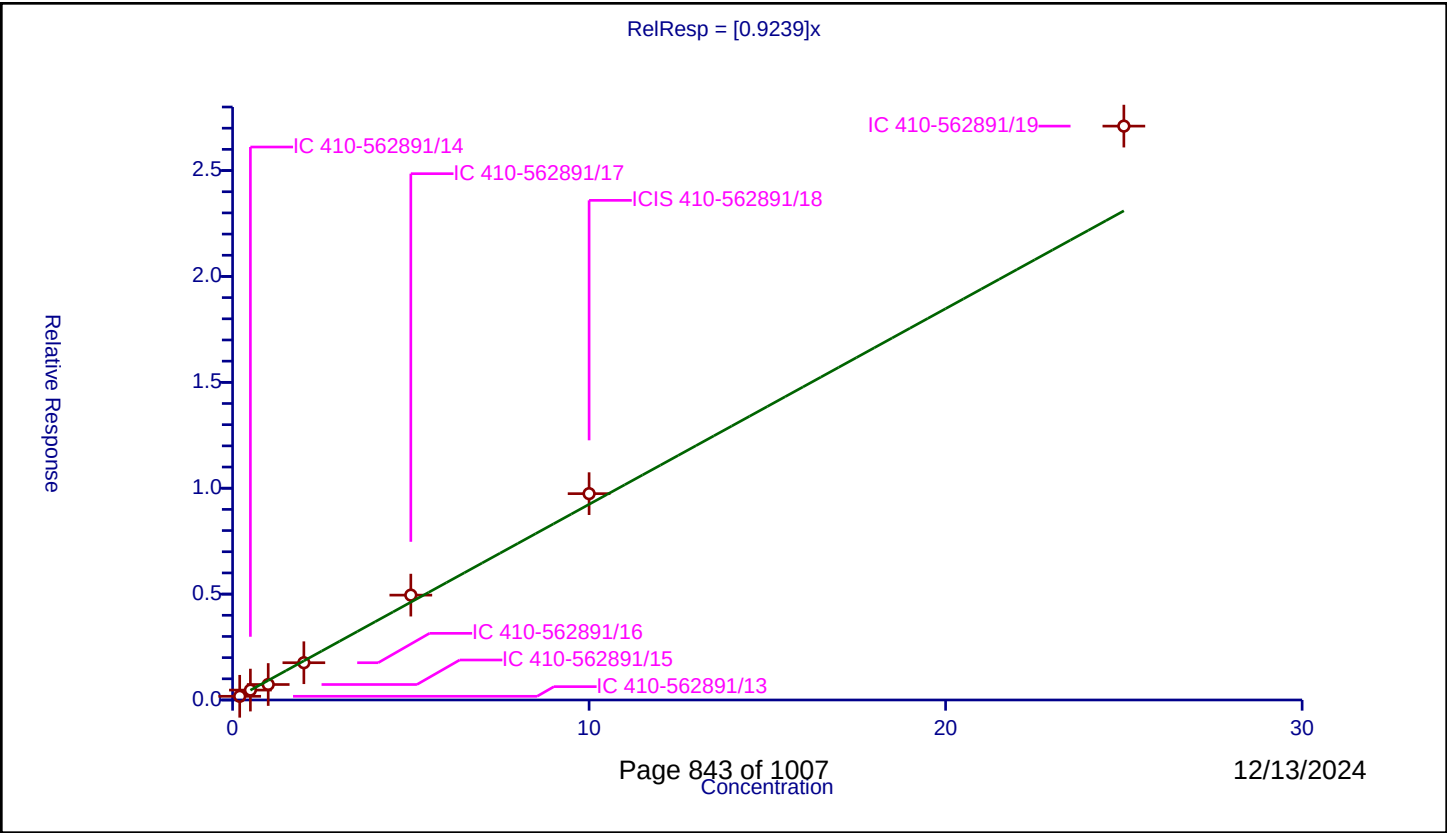
/ 1,3,5-Trichlorobenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.9239
Error Coefficients	

Relative Standard Deviation: 12.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.174176	10.0	833699.0	0.870878	Y
2	IC 410-562891/14	0.5	0.468267	10.0	837428.0	0.936534	Y
3	IC 410-562891/15	1.0	0.731352	10.0	834277.0	0.731352	Y
4	IC 410-562891/16	2.0	1.760104	10.0	826048.0	0.880052	Y
5	IC 410-562891/17	5.0	4.95222	10.0	845338.0	0.990444	Y
6	ICIS 410-562891/18	10.0	9.743306	10.0	846649.0	0.974331	Y
7	IC 410-562891/19	25.0	27.098005	10.0	878058.0	1.08392	Y



Calibration

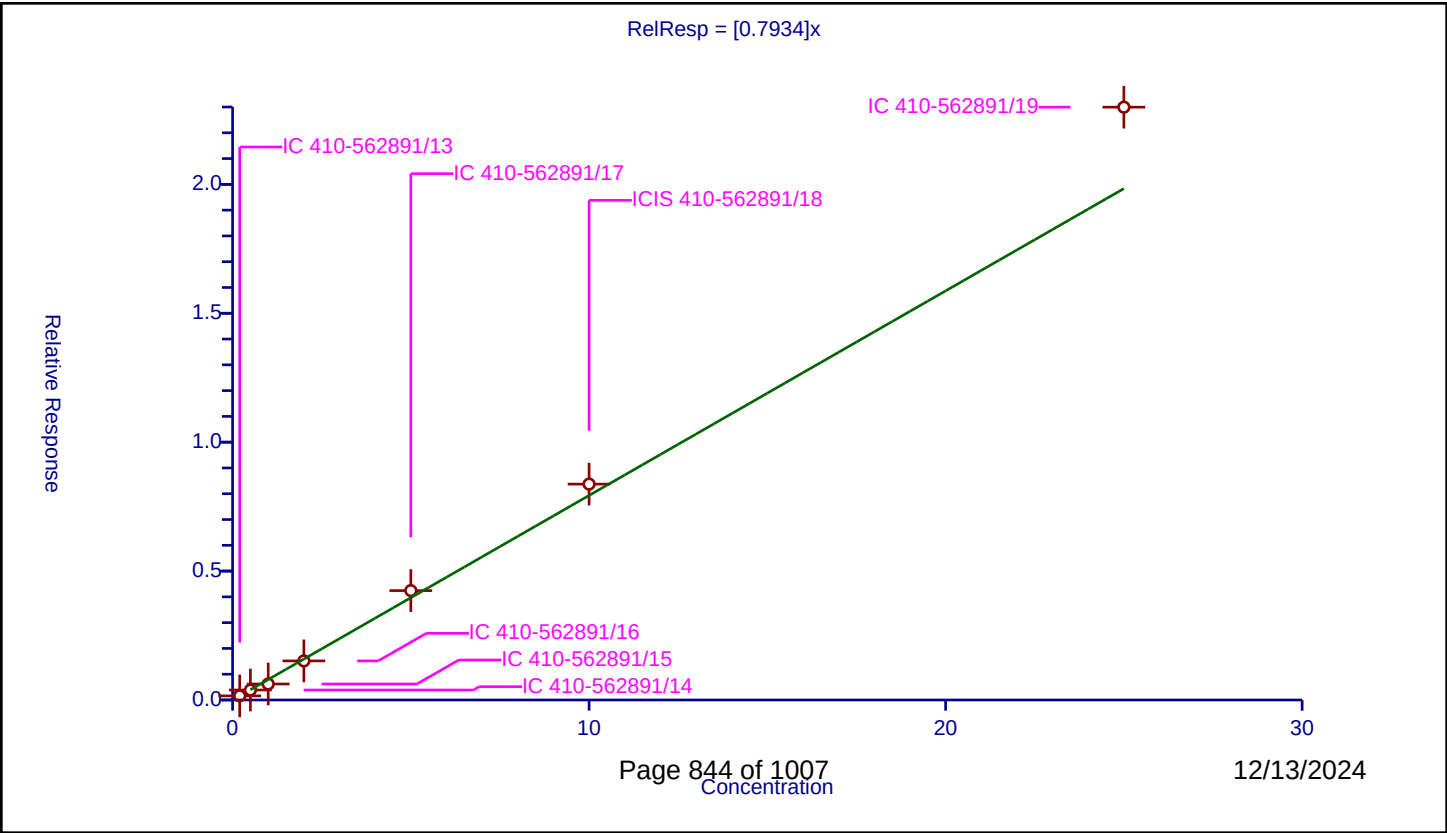
/ 1,2,4-Trichlorobenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.7934
Error Coefficients	

Relative Standard Deviation: 11.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.159314	10.0	833699.0	0.79657	Y
2	IC 410-562891/14	0.5	0.386588	10.0	837428.0	0.773177	Y
3	IC 410-562891/15	1.0	0.620525	10.0	834277.0	0.620525	Y
4	IC 410-562891/16	2.0	1.51628	10.0	826048.0	0.75814	Y
5	IC 410-562891/17	5.0	4.241913	10.0	845338.0	0.848383	Y
6	ICIS 410-562891/18	10.0	8.37321	10.0	846649.0	0.837321	Y
7	IC 410-562891/19	25.0	22.993925	10.0	878058.0	0.919757	Y

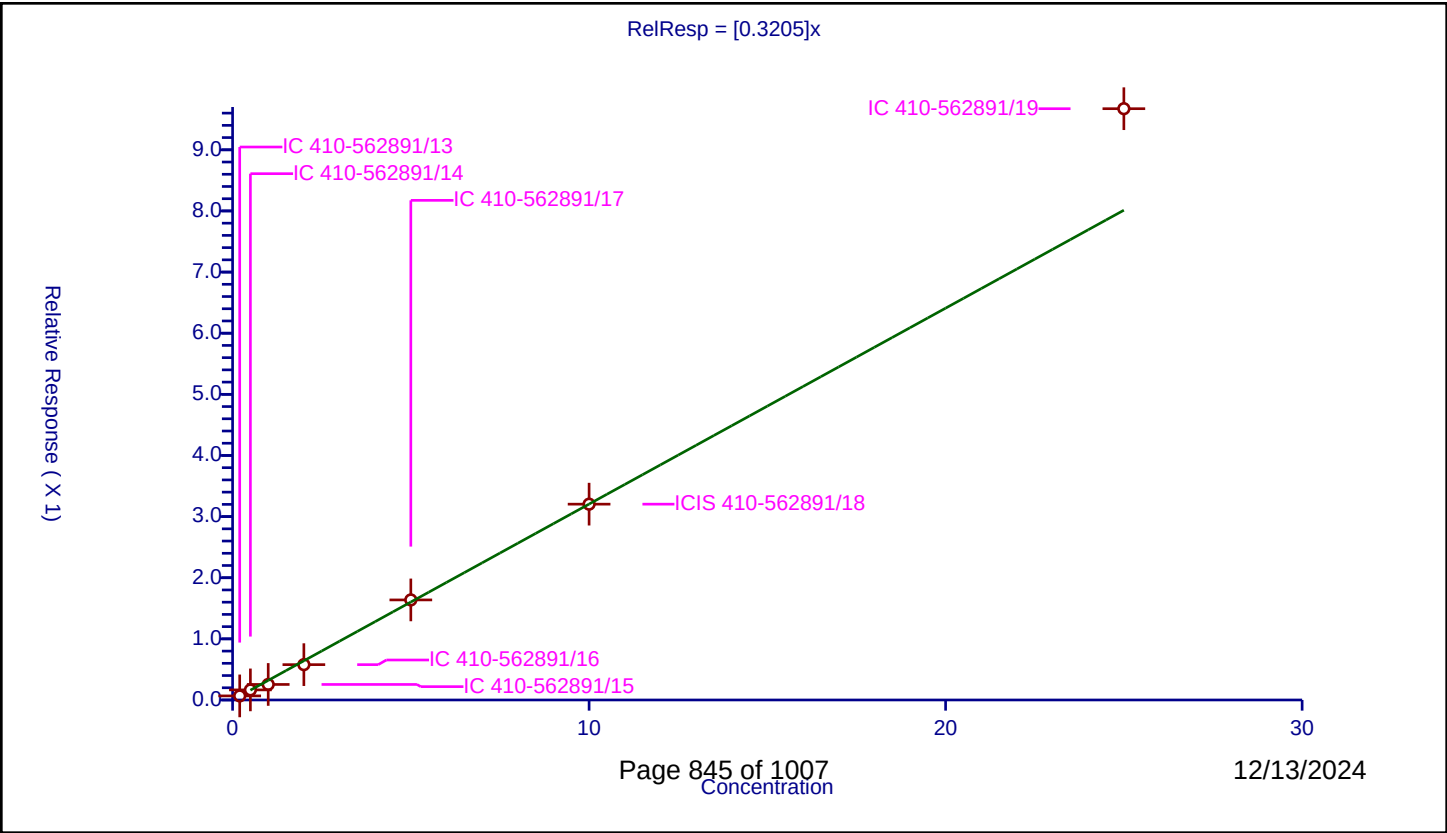


Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.3205
Error Coefficients	

Relative Standard Deviation: 12.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.067039	10.0	833699.0	0.335193	Y
2	IC 410-562891/14	0.5	0.165184	10.0	837428.0	0.330369	Y
3	IC 410-562891/15	1.0	0.254136	10.0	834277.0	0.254136	Y
4	IC 410-562891/16	2.0	0.578041	10.0	826048.0	0.289021	Y
5	IC 410-562891/17	5.0	1.636955	10.0	845338.0	0.327391	Y
6	ICIS 410-562891/18	10.0	3.203488	10.0	846649.0	0.320349	Y
7	IC 410-562891/19	25.0	9.672368	10.0	878058.0	0.386895	Y



Calibration

/ Naphthalene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

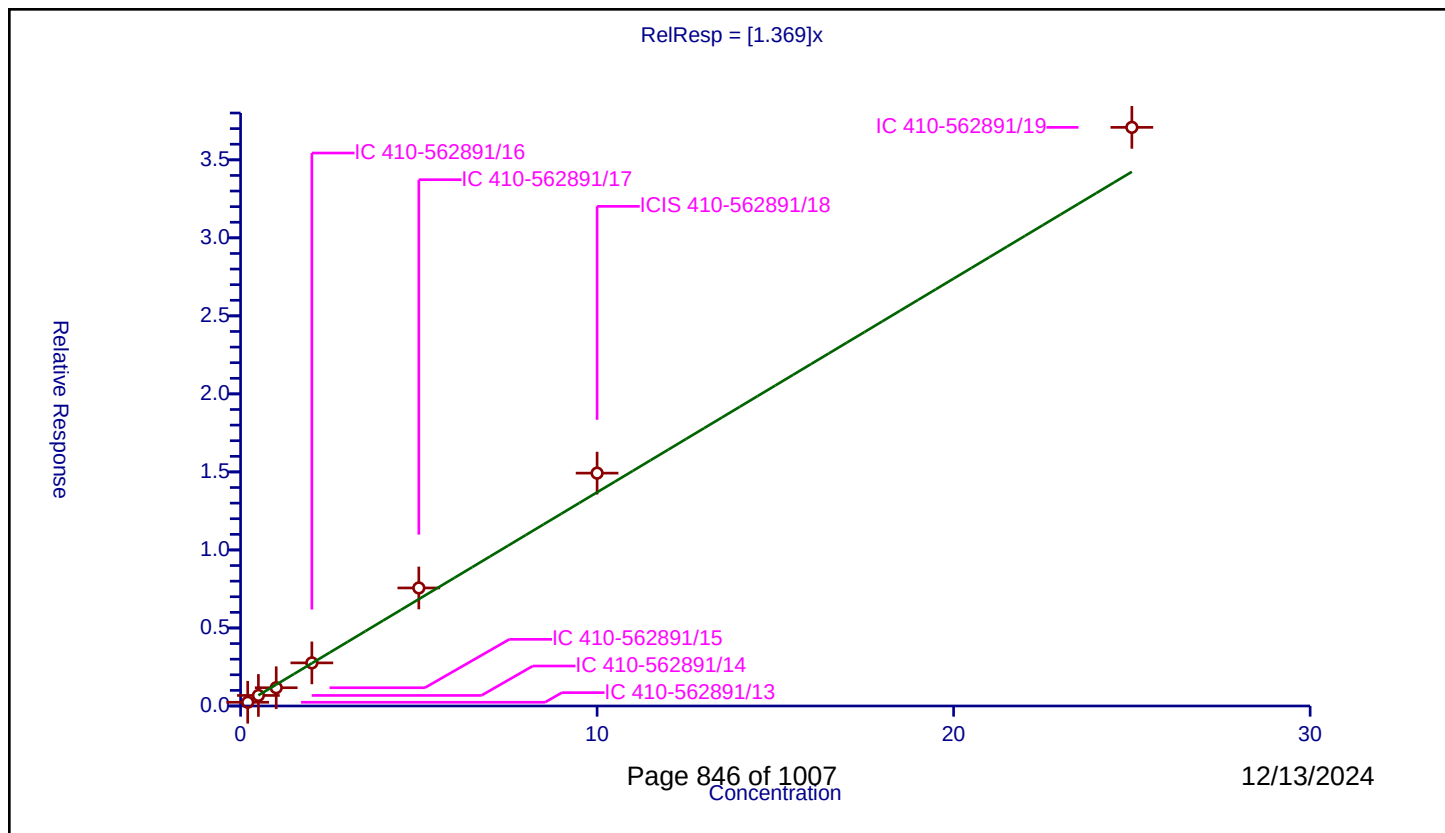
Curve Coefficients

Intercept: 0
Slope: 1.369

Error Coefficients

Relative Standard Deviation: 10.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.239091	10.0	833699.0	1.195455	Y
2	IC 410-562891/14	0.5	0.675652	10.0	837428.0	1.351304	Y
3	IC 410-562891/15	1.0	1.169456	10.0	834277.0	1.169456	Y
4	IC 410-562891/16	2.0	2.76191	10.0	826048.0	1.380955	Y
5	IC 410-562891/17	5.0	7.564039	10.0	845338.0	1.512808	Y
6	ICIS 410-562891/18	10.0	14.92354	10.0	846649.0	1.492354	Y
7	IC 410-562891/19	25.0	37.0805	10.0	878058.0	1.48322	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

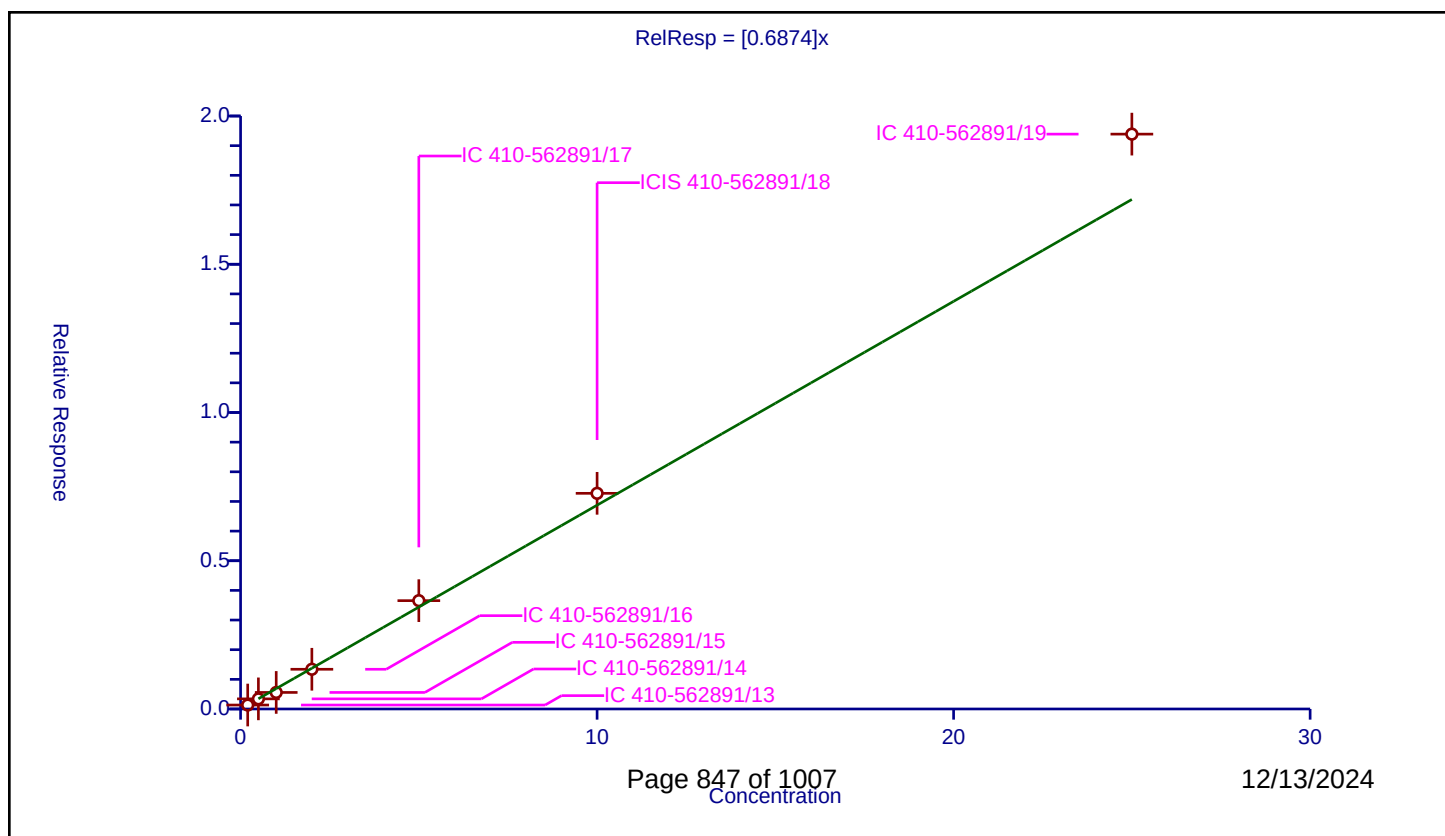
Curve Coefficients

Intercept: 0
Slope: 0.6874

Error Coefficients

Relative Standard Deviation: 10.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.133345	10.0	833699.0	0.666727	Y
2	IC 410-562891/14	0.5	0.341737	10.0	837428.0	0.683474	Y
3	IC 410-562891/15	1.0	0.558112	10.0	834277.0	0.558112	Y
4	IC 410-562891/16	2.0	1.339692	10.0	826048.0	0.669846	Y
5	IC 410-562891/17	5.0	3.65429	10.0	845338.0	0.730858	Y
6	ICIS 410-562891/18	10.0	7.274514	10.0	846649.0	0.727451	Y
7	IC 410-562891/19	25.0	19.389277	10.0	878058.0	0.775571	Y



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-198585-1

SDG No.: _____

Lab Sample ID: ICV 410-581544/21

Calibration Date: 12/03/2024 19:02

Instrument ID: 16334

Calib Start Date: 12/03/2024 16:05

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

Calib End Date: 12/03/2024 18:18

Lab File ID: GD03X20.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	0.3199	0.3270	0.1000	5.11	5.00	2.2	30.0
Chloromethane	Ave	0.3838	0.3611	0.1000	4.70	5.00	-5.9	30.0
1,3-Butadiene	Ave	0.3533	0.3493		4.94	5.00	-1.1	30.0
Vinyl chloride	Ave	0.3476	0.3511	0.1000	5.05	5.00	1.0	30.0
Bromomethane	Ave	0.2261	0.2160	0.1000	4.78	5.00	-4.4	30.0
Chloroethane	Ave	0.1756	0.1801	0.1000	5.13	5.00	2.6	30.0
Dichlorofluoromethane	Ave	0.4919	0.4550		4.62	5.00	-7.5	30.0
Trichlorofluoromethane	Ave	0.3850	0.3932	0.1000	5.11	5.00	2.1	30.0
Ethyl ether	Ave	0.1410	0.1222		4.33	5.00	-13.3	30.0
Pentane	None					5.00		30.0
Freon 123a	Ave	0.2903	0.3058		5.27	5.00	5.3	30.0
Acrolein	Ave	2.022	2.599		47.0	36.6	28.5	30.0
1,1-Dichloroethene	Ave	0.2255	0.2292	0.1000	5.08	5.00	1.6	30.0
Acetone	Ave	2.869	2.587	0.1000	56.4	62.5	-9.8	30.0
Freon 113	Ave	0.2374	0.2175	0.1000	4.58	5.00	-8.4	30.0
Methyl iodide	Ave	0.4363	0.3709		4.25	5.00	-15.0	30.0
Ethyl bromide	Ave	0.1987	0.1946		4.95	5.05	-2.0	30.0
Carbon disulfide	Ave	0.8268	0.7303	0.1000	4.42	5.00	-11.7	30.0
Methyl acetate	Ave	12.10	12.98	0.1000	5.36	5.00	7.3	30.0
Allyl chloride	Ave	0.3919	0.3440		4.39	5.00	-12.2	30.0
Methylene Chloride	Ave	0.2494	0.2423	0.1000	4.86	5.00	-2.9	30.0
t-Butyl alcohol	Ave	0.5876	0.5945		50.6	50.0	1.2	30.0
Acrylonitrile	Ave	3.929	4.321		27.5	25.0	10.0	30.0
Methyl tert-butyl ether	Ave	0.5032	0.4713	0.1000	4.68	5.00	-6.3	30.0
trans-1,2-Dichloroethene	Ave	0.2650	0.2592	0.1000	4.89	5.00	-2.2	30.0
n-Hexane	Ave	0.3462	0.3248		4.69	5.00	-6.2	30.0
1,1-Dichloroethane	Ave	0.4802	0.4764	0.2000	4.96	5.00	-0.8	30.0
di-Isopropyl ether	Ave	0.7550	0.6964		4.61	5.00	-7.8	30.0
2-Chloro-1,3-butadiene	Ave	0.3676	0.3325		4.52	5.00	-9.5	30.0
Ethyl t-butyl ether	Ave	0.6649	0.6241		4.69	5.00	-6.2	30.0
2-Butanone (MEK)	Ave	4.916	5.420	0.1000	68.9	62.5	10.2	30.0
cis-1,2-Dichloroethene	Ave	0.2899	0.2796	0.1000	4.82	5.00	-3.6	30.0
2,2-Dichloropropane	Ave	0.4088	0.3793		4.64	5.00	-7.2	30.0
Propionitrile	Qua		1.309		37.2	37.5	-0.7	30.0
Methacrylonitrile	Ave	5.302	6.557		46.4	37.5	23.7	30.0
Bromochloromethane	Ave	0.1088	0.1092		5.02	5.00	0.4	30.0
Tetrahydrofuran	Ave	1.407	1.610		28.6	25.0	14.5	30.0
Chloroform	Ave	0.4711	0.4570	0.2000	4.85	5.00	-3.0	30.0
1,1,1-Trichloroethane	Ave	0.4171	0.4136	0.1000	4.96	5.00	-0.8	30.0
Cyclohexane	Ave	0.4159	0.3941	0.1000	4.74	5.00	-5.2	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-198585-1

SDG No.:

Lab Sample ID: ICV 410-581544/21

Calibration Date: 12/03/2024 19:02

Instrument ID: 16334

Calib Start Date: 12/03/2024 16:05

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

Calib End Date: 12/03/2024 18:18

Lab File ID: GD03X20.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	0.3567	0.3526	0.1000	4.94	5.00	-1.1	30.0
1,1-Dichloropropene	Ave	0.3721	0.3545		4.76	5.00	-4.7	30.0
Isobutyl alcohol	Ave	0.0018	0.0015		102	125	-18.3	30.0
Benzene	Ave	1.110	1.110	0.5000	5.00	5.00	-0.0	30.0
1,2-Dichloroethane	Ave	0.2544	0.2378	0.1000	4.67	5.00	-6.6	30.0
t-Amyl methyl ether	Ave	0.5517	0.5185		4.70	5.00	-6.0	30.0
n-Heptane	Ave	0.3402	0.3327		4.89	5.00	-2.2	30.0
n-Butanol	Qua		0.1311		196	250	-21.5	30.0
Trichloroethene	Ave	0.2852	0.2772	0.2000	4.86	5.00	-2.8	30.0
Methylcyclohexane	Ave	0.4363	0.4216	0.1000	4.83	5.00	-3.4	30.0
1,2-Dichloropropane	Ave	0.2687	0.2612	0.1000	4.86	5.00	-2.8	30.0
Dibromomethane	Ave	0.1102	0.1063		4.82	5.00	-3.6	30.0
1,4-Dioxane	Ave	0.0639	0.0603	0.0050	118	125	-5.6	30.0
Methyl methacrylate	Ave	10.07	11.38		5.65	5.00	13.0	30.0
Bromodichloromethane	Ave	0.3079	0.3006	0.2000	4.88	5.00	-2.4	30.0
2-Nitropropane	Ave	3.072	2.657		4.33	5.00	-13.5	30.0
1-Bromo-2-chloroethane	Ave	0.2310	0.2284		4.94	5.00	-1.1	30.0
cis-1,3-Dichloropropene	Ave	0.3776	0.3529	0.2000	4.67	5.00	-6.5	30.0
4-Methyl-2-pentanone (MIBK)	Ave	12.72	14.73	0.1000	72.4	62.5	15.9	30.0
Toluene	Ave	0.9636	0.9338	0.4000	4.84	5.00	-3.1	30.0
trans-1,3-Dichloropropene	Ave	0.4032	0.3935	0.1000	4.88	5.00	-2.4	30.0
Ethyl methacrylate	Ave	0.2433	0.2330		4.79	5.00	-4.2	30.0
1,1,2-Trichloroethane	Ave	0.2226	0.2173	0.1000	4.88	5.00	-2.4	30.0
Tetrachloroethene	Ave	0.4348	0.4144	0.2000	4.76	5.00	-4.7	30.0
1,3-Dichloropropane	Ave	0.3847	0.3757		4.88	5.00	-2.3	30.0
2-Hexanone	Ave	8.832	10.40	0.1000	73.6	62.5	17.8	30.0
Dibromochloromethane	Ave	0.2716	0.2656		4.89	5.00	-2.2	30.0
1,2-Dibromoethane (EDB)	Ave	0.1980	0.1911	0.1000	4.83	5.00	-3.5	30.0
1-Chlorohexane	Ave	0.5189	0.4730		4.56	5.00	-8.8	30.0
Chlorobenzene	Ave	1.082	1.028	0.5000	4.75	5.00	-5.0	30.0
1,1,1,2-Tetrachloroethane	Ave	0.3511	0.3440		4.90	5.00	-2.0	30.0
Ethylbenzene	Ave	1.874	1.869	0.1000	4.99	5.00	-0.3	30.0
m&p-Xylene	Ave	0.7230	0.7321	0.1000	10.1	10.0	1.3	30.0
o-Xylene	Ave	0.6903	0.6785	0.3000	4.91	5.00	-1.7	30.0
Styrene	Ave	1.050	1.086	0.3000	5.17	5.00	3.4	30.0
Bromoform	Ave	0.1404	0.1371	0.1000	4.89	5.00	-2.3	30.0
Isopropylbenzene	Ave	1.621	1.826	0.1000	5.63	5.00	12.6	30.0
1,1,2,2-Tetrachloroethane	Ave	0.4638	0.4486	0.3000	4.84	5.00	-3.3	30.0
Bromobenzene	Ave	0.7776	0.7572		4.87	5.00	-2.6	30.0
trans-1,4-Dichloro-2-butene	Ave	5.416	6.014		27.8	25.0	11.1	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-198585-1

SDG No.: _____

Lab Sample ID: ICV 410-581544/21

Calibration Date: 12/03/2024 19:02

Instrument ID: 16334

Calib Start Date: 12/03/2024 16:05

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

Calib End Date: 12/03/2024 18:18

Lab File ID: GD03X20.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	0.1236	0.1198		4.84	5.00	-3.1	30.0
N-Propylbenzene	Ave	4.178	4.133		4.95	5.00	-1.1	30.0
2-Chlorotoluene	Ave	0.8303	0.8007		4.82	5.00	-3.6	30.0
1,3,5-Trimethylbenzene	Ave	2.946	2.963		5.03	5.00	0.6	30.0
4-Chlorotoluene	Ave	0.8587	0.8252		4.80	5.00	-3.9	30.0
tert-Butylbenzene	Ave	0.6391	0.6332		4.95	5.00	-0.9	30.0
Pentachloroethane	Ave	0.4371	0.4180		4.78	5.00	-4.4	30.0
1,2,4-Trimethylbenzene	Ave	3.016	3.221		5.34	5.00	6.8	30.0
sec-Butylbenzene	Ave	3.818	3.780		4.95	5.00	-1.0	30.0
1,3-Dichlorobenzene	Ave	1.655	1.618	0.6000	4.89	5.00	-2.2	30.0
p-Isopropyltoluene	Ave	3.259	3.247		4.98	5.00	-0.4	30.0
1,4-Dichlorobenzene	Ave	1.691	1.593	0.5000	4.71	5.00	-5.8	30.0
1,2,3-Trimethylbenzene	Ave	1.290	1.258		4.88	5.00	-2.4	30.0
Benzyl chloride	Ave	0.1879	0.1807		4.81	5.00	-3.8	30.0
n-Butylbenzene	Ave	1.672	1.678		5.02	5.00	0.4	30.0
1,2-Dichlorobenzene	Ave	1.436	1.392	0.4000	4.85	5.00	-3.1	30.0
1,2-Dibromo-3-Chloropropane	Ave	2.684	3.127	0.0500	5.82	5.00	16.5	30.0
1,3,5-Trichlorobenzene	Ave	1.301	1.292		4.97	5.00	-0.7	30.0
1,2,4-Trichlorobenzene	Ave	1.037	1.077	0.2000	5.19	5.00	3.8	30.0
Hexachlorobutadiene	Ave	0.5663	0.5755		5.08	5.00	1.6	30.0
Naphthalene	Ave	1.380	1.522		5.51	5.00	10.3	30.0
1,2,3-Trichlorobenzene	Ave	0.8082	0.8408		5.20	5.00	4.0	30.0
Dibromofluoromethane (Surr)	Ave	0.2359	0.2341		9.92	10.0	-0.8	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0450	0.0445		9.90	10.0	-1.0	30.0
Toluene-d8 (Surr)	Ave	1.388	1.386		9.98	10.0	-0.2	30.0
4-Bromofluorobenzene (Surr)	Ave	0.4793	0.4786		9.98	10.0	-0.2	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X20.D
 Lims ID: ICV
 Client ID:
 Sample Type: ICV
 Inject. Date: 03-Dec-2024 19:02:30 ALS Bottle#: 10 Worklist Smp#: 21
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0132221-021
 Misc. Info.: ICV
 Operator ID: knk41612 Instrument ID: 16334
 Sublist:
 Method: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\MSV_16334_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 09-Dec-2024 09:44:32 Calib Date: 03-Dec-2024 18:18:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1687

First Level Reviewer: UJML

Date: 09-Dec-2024 10:12:50

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.703	1.709	-0.006	99	359889	5.00	5.11	
5 Chloromethane	50	1.873	1.879	-0.006	99	397448	5.00	4.70	
7 Butadiene	39	1.959	1.965	-0.006	90	384482	5.00	4.94	
6 Vinyl chloride	62	1.977	1.977	0.000	98	386470	5.00	5.05	
9 Bromomethane	94	2.270	2.269	0.001	91	237755	5.00	4.78	M
10 Chloroethane	64	2.300	2.306	-0.006	99	198257	5.00	5.13	
11 Dichlorofluoromethane	67	2.501	2.507	-0.006	97	500757	5.00	4.62	
12 Trichlorofluoromethane	101	2.593	2.599	-0.006	98	432703	5.00	5.11	
13 Ethyl ether	59	2.763	2.763	0.000	91	134468	5.00	4.33	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	2.843	2.843	0.001	93	336617	5.00	5.27	
17 Acrolein	56	2.910	2.910	0.000	97	139587	36.6	47.0	M
18 1,1-Dichloroethene	96	3.019	3.025	-0.006	98	252214	5.00	5.08	
19 Acetone	43	3.056	3.062	-0.006	58	237467	62.5	56.4	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.062	3.068	-0.006	93	239420	5.00	4.58	
21 Isopropyl alcohol	45	3.172	3.178	-0.006	25	18843	37.5	33.6	M
22 Iodomethane	142	3.184	3.190	-0.006	100	408222	5.00	4.25	
23 Ethyl bromide	108	3.214	3.214	0.000	98	216408	5.05	4.95	
24 Carbon disulfide	76	3.275	3.275	0.000	99	803764	5.00	4.42	
25 Methyl acetate	43	3.410	3.409	0.001	22	95276	5.00	5.36	M
27 3-Chloro-1-propene	41	3.422	3.422	0.000	93	378611	5.00	4.39	
29 Methylene Chloride	84	3.580	3.580	0.000	92	266653	5.00	4.86	
* 30 t-Butyl alcohol-d10 (IS)	65	3.623	3.629	-0.006	99	73418	50.0	50.0	
31 2-Methyl-2-propanol	59	3.727	3.720	0.007	81	43645	50.0	50.6	
32 Acrylonitrile	53	3.891	3.879	0.012	99	158607	25.0	27.5	
33 Methyl tert-butyl ether	73	3.928	3.928	0.000	96	518674	5.00	4.68	
34 trans-1,2-Dichloroethene	96	3.928	3.934	-0.006	98	285257	5.00	4.89	
35 Hexane	57	4.324	4.330	-0.006	92	357420	5.00	4.69	
37 1,1-Dichloroethane	63	4.556	4.562	-0.006	96	524371	5.00	4.96	
38 Isopropyl ether	45	4.635	4.635	0.000	93	766510	5.00	4.61	
39 2-Chloro-1,3-butadiene	53	4.678	4.678	0.000	90	365974	5.00	4.52	

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	5.190	5.190	0.000	97	686829	5.00	4.69	
41 2-Butanone (MEK)	43	5.391	5.391	0.000	99	497400	62.5	68.9	
42 cis-1,2-Dichloroethene	96	5.415	5.421	-0.006	82	307722	5.00	4.82	
43 2,2-Dichloropropane	77	5.421	5.440	-0.019	89	417493	5.00	4.64	a
45 Propionitrile	54	5.519	5.488	0.031	97	72083	37.5	37.2	M
48 Methacrylonitrile	67	5.696	5.702	-0.006	90	361064	37.5	46.4	
49 Chlorobromomethane	128	5.757	5.757	0.000	94	120176	5.00	5.02	
50 Tetrahydrofuran	71	5.769	5.781	-0.012	78	59105	25.0	28.6	
51 Chloroform	83	5.915	5.921	-0.006	93	502942	5.00	4.85	
53 1,1,1-Trichloroethane	97	6.135	6.141	-0.006	98	455235	5.00	4.96	
\$ 52 Dibromofluoromethane (Surr)	113	6.135	6.141	-0.006	93	515319	10.0	9.92	
54 Cyclohexane	56	6.238	6.244	-0.006	90	433694	5.00	4.74	
55 Carbon tetrachloride	117	6.354	6.360	-0.006	96	388089	5.00	4.94	
56 1,1-Dichloropropene	75	6.366	6.366	0.000	99	390143	5.00	4.76	
58 Isobutyl alcohol	41	6.580	6.567	0.013	34	40841	125.0	102.2	M
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.598	6.592	0.006	89	98047	10.0	9.90	
60 Benzene	78	6.622	6.628	-0.006	97	1221190	5.00	5.00	
61 1,2-Dichloroethane	62	6.702	6.702	0.000	97	261678	5.00	4.67	
63 Tert-amyl methyl ether	73	6.842	6.842	0.000	99	570605	5.00	4.70	
* 64 Fluorobenzene (IS)	96	7.043	7.049	-0.006	98	2201121	10.0	10.0	
65 n-Heptane	43	7.067	7.073	-0.006	91	366127	5.00	4.89	
67 n-Butanol	56	7.506	7.482	0.024	89	48131	250.0	196.2	
68 Trichloroethene	95	7.537	7.537	0.000	98	305056	5.00	4.86	
69 Methylcyclohexane	83	7.842	7.842	0.000	92	463982	5.00	4.83	
70 1,2-Dichloropropane	63	7.866	7.872	-0.006	97	287515	5.00	4.86	
71 2-ethoxy-2-methyl butane	87	7.903	7.909	-0.006	95	409334	5.00	4.80	
73 1,4-Dioxane	88	7.988	7.976	0.012	28	11073	125.0	118.0	M
74 Dibromomethane	93	7.982	7.982	0.000	98	116943	5.00	4.82	
72 Methyl methacrylate	69	7.988	7.988	0.000	90	83575	5.00	5.65	
76 Dichlorobromomethane	83	8.226	8.232	-0.006	99	330819	5.00	4.88	
77 2-Nitropropane	41	8.512	8.512	0.000	98	19511	5.00	4.33	
79 1-Bromo-2-chloroethane	63	8.622	8.622	0.000	99	251404	5.00	4.94	
81 cis-1,3-Dichloropropene	75	8.799	8.799	0.000	97	388412	5.00	4.67	
82 4-Methyl-2-pentanone (MIBK)	43	9.006	9.006	0.000	96	1352079	62.5	72.4	
\$ 83 Toluene-d8 (Surr)	98	9.134	9.140	-0.006	93	2232814	10.0	9.98	
84 Toluene	92	9.219	9.225	-0.006	98	752277	5.00	4.84	
85 trans-1,3-Dichloropropene	75	9.524	9.518	0.006	92	316996	5.00	4.88	
86 Ethyl methacrylate	69	9.610	9.609	0.001	89	187739	5.00	4.79	
107 1,1,2-Trichloroethane	97	9.738	9.737	0.001	90	175046	5.00	4.88	
108 Tetrachloroethene	166	9.823	9.823	0.000	97	333818	5.00	4.76	
109 1,3-Dichloropropane	76	9.908	9.908	0.000	89	302703	5.00	4.88	
110 2-Hexanone	43	9.988	9.987	0.001	96	954595	62.5	73.6	
112 Chlorodibromomethane	129	10.134	10.134	0.000	90	213942	5.00	4.89	
113 Ethylene Dibromide	107	10.244	10.243	0.001	99	153951	5.00	4.83	
* 114 Chlorobenzene-d5 (IS)	117	10.707	10.707	0.000	85	1611220	10.0	10.0	
116 Chlorobenzene	112	10.731	10.731	0.000	95	828001	5.00	4.75	
115 1-Chlorohexane	91	10.731	10.731	0.000	96	381089	5.00	4.56	
117 1,1,1,2-Tetrachloroethane	131	10.823	10.823	0.000	97	277156	5.00	4.90	
118 Ethylbenzene	91	10.829	10.829	0.000	98	1506040	5.00	4.99	
120 m-Xylene & p-Xylene	106	10.951	10.951	0.000	100	1179666	10.0	10.1	
121 o-Xylene	106	11.292	11.292	0.000	96	546596	5.00	4.91	
122 Styrene	104	11.310	11.310	0.000	95	875190	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
123 Bromoform	173	11.463	11.463	0.000	96	110475	5.00	4.89	
124 Isopropylbenzene	105	11.603	11.603	0.000	96	1470727	5.00	5.63	
\$ 127 4-Bromofluorobenzene (Surr)	95	11.743	11.743	0.000	89	771098	10.0	9.98	
128 1,1,2,2-Tetrachloroethane	83	11.859	11.859	0.000	77	191385	5.00	4.84	
129 Bromobenzene	156	11.859	11.859	0.000	94	323072	5.00	4.87	
130 trans-1,4-Dichloro-2-butene	53	11.884	11.883	0.001	89	220778	25.0	27.8	
131 1,2,3-Trichloropropane	110	11.902	11.902	0.000	80	51096	5.00	4.84	
132 N-Propylbenzene	91	11.938	11.938	0.000	99	1763226	5.00	4.95	
133 2-Chlorotoluene	126	12.012	12.011	0.001	96	341641	5.00	4.82	
134 1,3,5-Trimethylbenzene	105	12.079	12.085	-0.006	94	1264054	5.00	5.03	
135 4-Chlorotoluene	126	12.109	12.103	0.006	97	352086	5.00	4.80	
136 tert-Butylbenzene	134	12.322	12.322	0.000	93	270153	5.00	4.95	
137 Pentachloroethane	167	12.353	12.353	0.000	86	178338	5.00	4.78	
138 1,2,4-Trimethylbenzene	105	12.365	12.365	0.000	98	1374296	5.00	5.34	
139 sec-Butylbenzene	105	12.487	12.487	0.000	94	1612815	5.00	4.95	
140 1,3-Dichlorobenzene	146	12.585	12.585	0.001	98	690517	5.00	4.89	
141 4-Isopropyltoluene	119	12.603	12.603	0.000	97	1385259	5.00	4.98	
* 142 1,4-Dichlorobenzene-d4	152	12.639	12.639	0.000	94	853308	10.0	10.0	
143 1,4-Dichlorobenzene	146	12.658	12.658	0.000	95	679563	5.00	4.71	
144 1,2,3-Trimethylbenzene	120	12.676	12.676	0.000	98	536822	5.00	4.88	
145 Benzyl chloride	126	12.737	12.737	0.000	98	77106	5.00	4.81	a
146 p-Diethylbenzene	119	12.877	12.877	0.000	95	862626	5.00	5.02	
147 n-Butylbenzene	92	12.896	12.895	0.001	97	716074	5.00	5.02	
148 1,2-Dichlorobenzene	146	12.920	12.920	0.000	98	594003	5.00	4.85	
150 1,2-Dibromo-3-Chloropropane	155	13.462	13.462	0.000	87	22956	5.00	5.82	
151 1,3,5-Trichlorobenzene	180	13.591	13.590	0.001	98	551392	5.00	4.97	
152 1,2,4-Trichlorobenzene	180	14.011	14.011	0.000	94	459523	5.00	5.19	
153 Hexachlorobutadiene	225	14.103	14.103	0.001	97	245537	5.00	5.08	
154 Naphthalene	128	14.194	14.188	0.006	97	649239	5.00	5.51	
155 1,2,3-Trichlorobenzene	180	14.334	14.334	0.000	96	358722	5.00	5.20	
156 2-Methylnaphthalene	142	14.920	14.919	0.001	92	357372	5.00	5.79	
167 Pentane	43	2.763	2.769	-0.006	40	22289	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_LCS_Penta_00048	Amount Added: 12.50	Units: uL	
MSV_LCS_VOC#1_00197	Amount Added: 12.50	Units: uL	
LCS_ETBR_00009	Amount Added: 12.50	Units: uL	
MSV_QC_Gas826_00234	Amount Added: 12.50	Units: uL	
MSV_LCS_ACROL_00201	Amount Added: 12.50	Units: uL	
MSV_LCS_EE_00010	Amount Added: 12.50	Units: uL	
MSV_29_826ISS_00057	Amount Added: 1.20	Units: uL	Run Reagent

Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X20.D

Injection Date: 03-Dec-2024 19:02:30

Instrument ID: 16334

Operator ID: knk41612

Lims ID: ICV

Worklist Smp#: 21

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

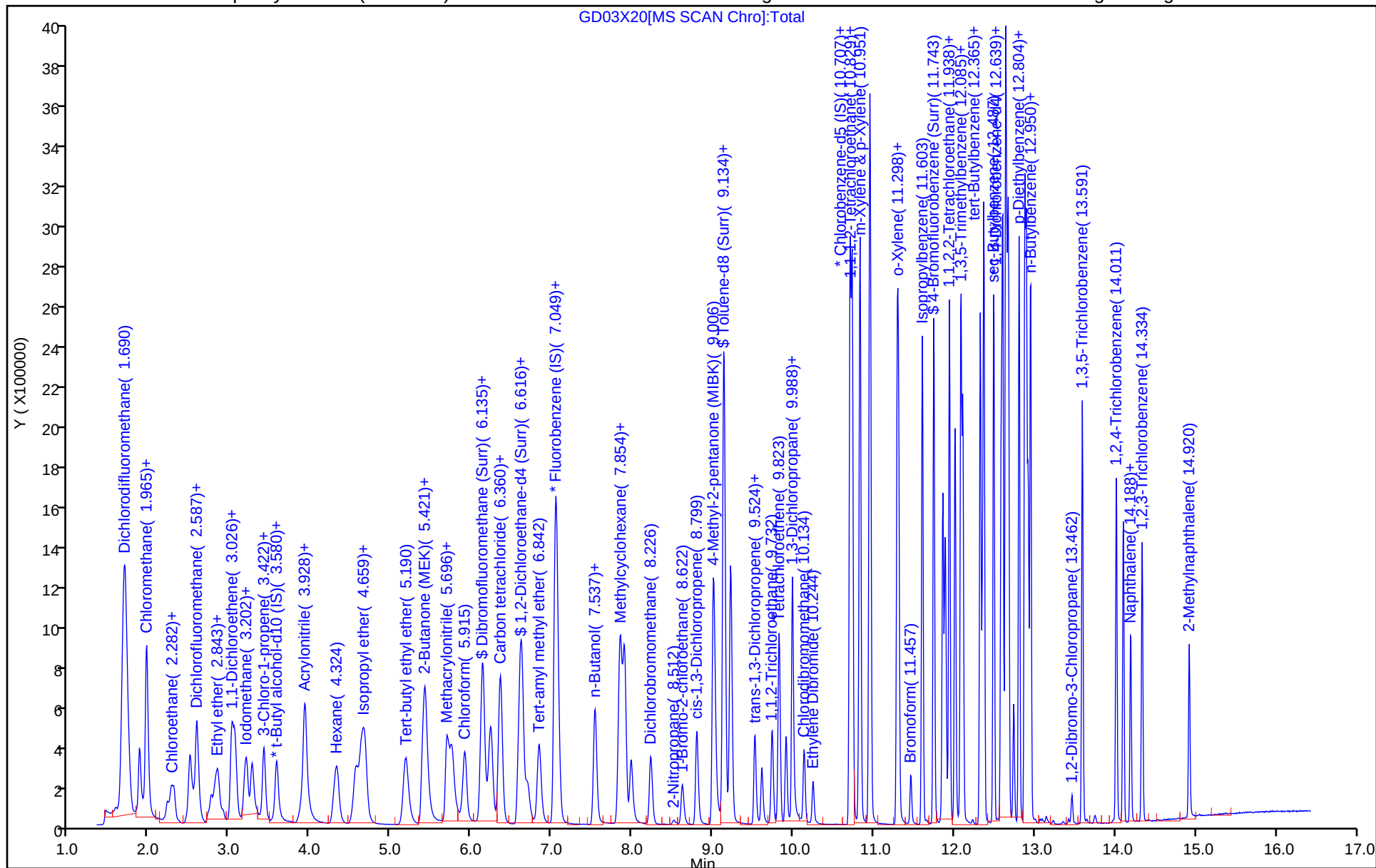
ALS Bottle#: 10

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

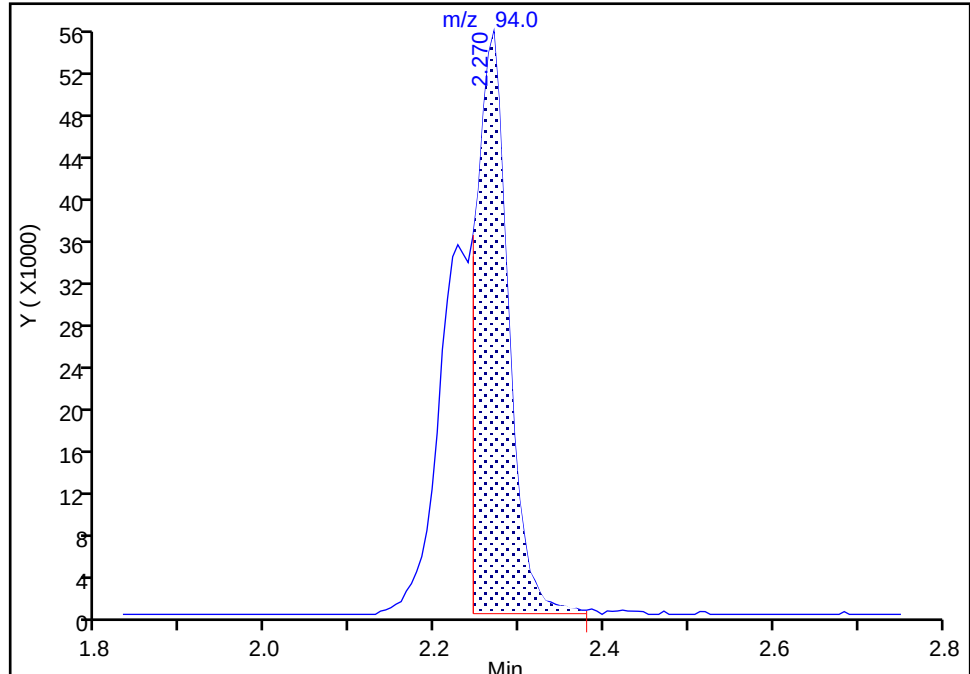
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Injection Date: 03-Dec-2024 19:02:30 Instrument ID: 16334
Lims ID: ICV
Client ID:
Operator ID: knk41612 ALS Bottle#: 10 Worklist Smp#: 21
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

9 Bromomethane, CAS: 74-83-9

Signal: 1

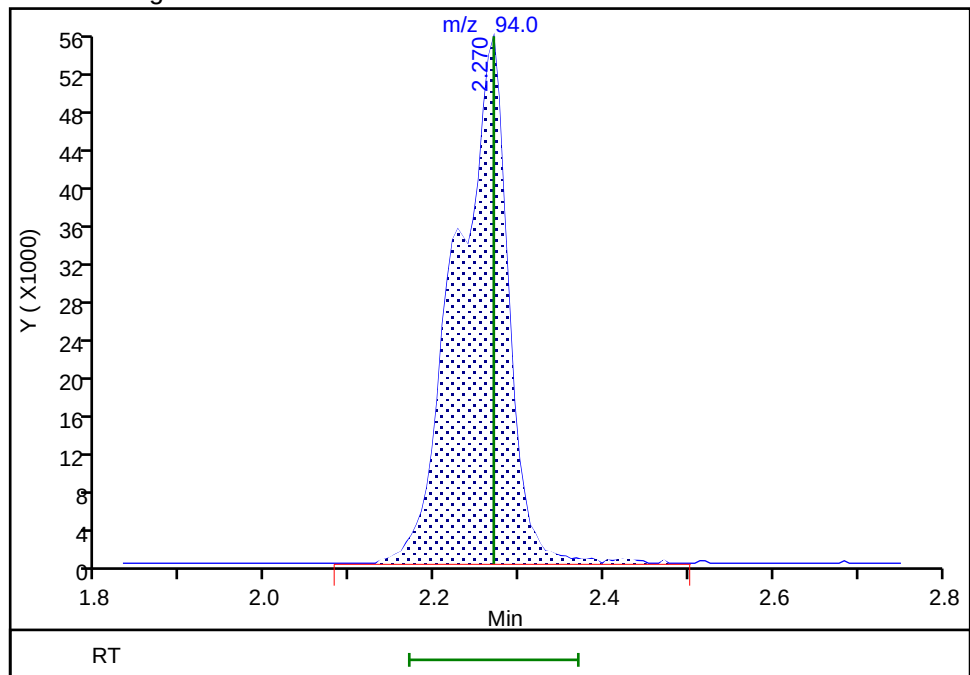
RT: 2.27
Area: 145813
Amount: 3.061869
Amount Units: ug/l

Processing Integration Results



RT: 2.27
Area: 237755
Amount: 4.777917
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-Dec-2024 08:39:58 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

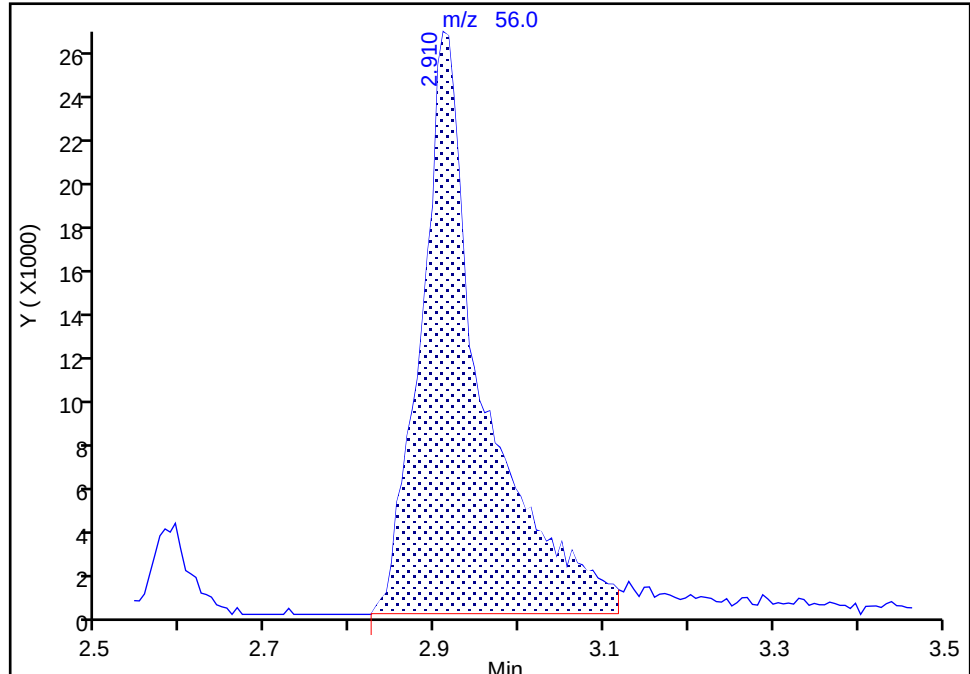
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Injection Date: 03-Dec-2024 19:02:30 Instrument ID: 16334
Lims ID: ICV
Client ID:
Operator ID: knk41612 ALS Bottle#: 10 Worklist Smp#: 21
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

17 Acrolein, CAS: 107-02-8

Signal: 1

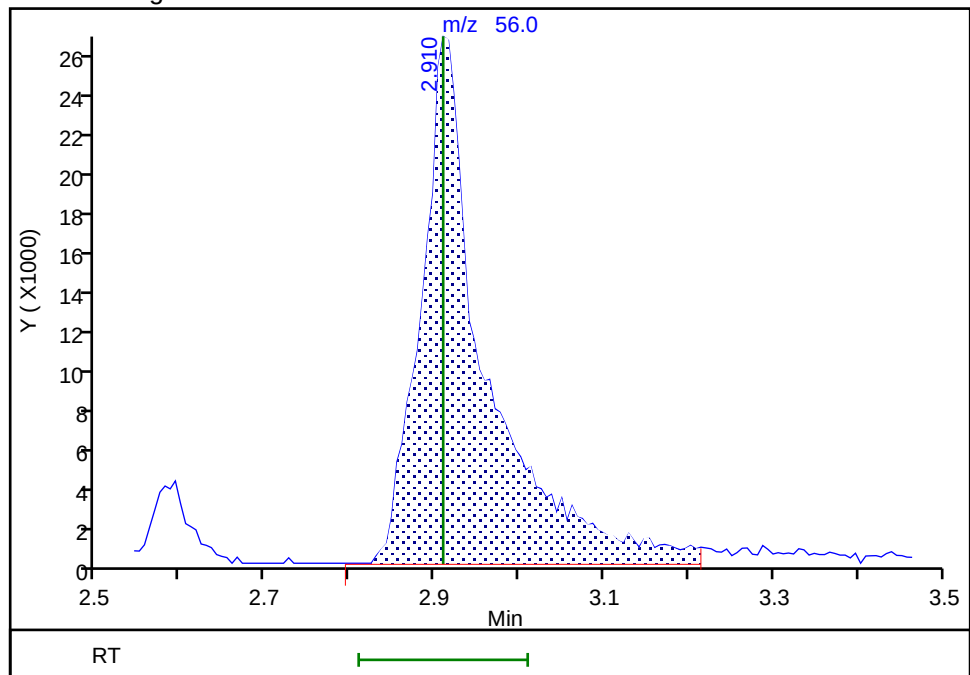
RT: 2.91
Area: 134224
Amount: 56.166044
Amount Units: ug/l

Processing Integration Results



RT: 2.91
Area: 139587
Amount: 47.023381
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-Dec-2024 08:40:50 -05:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

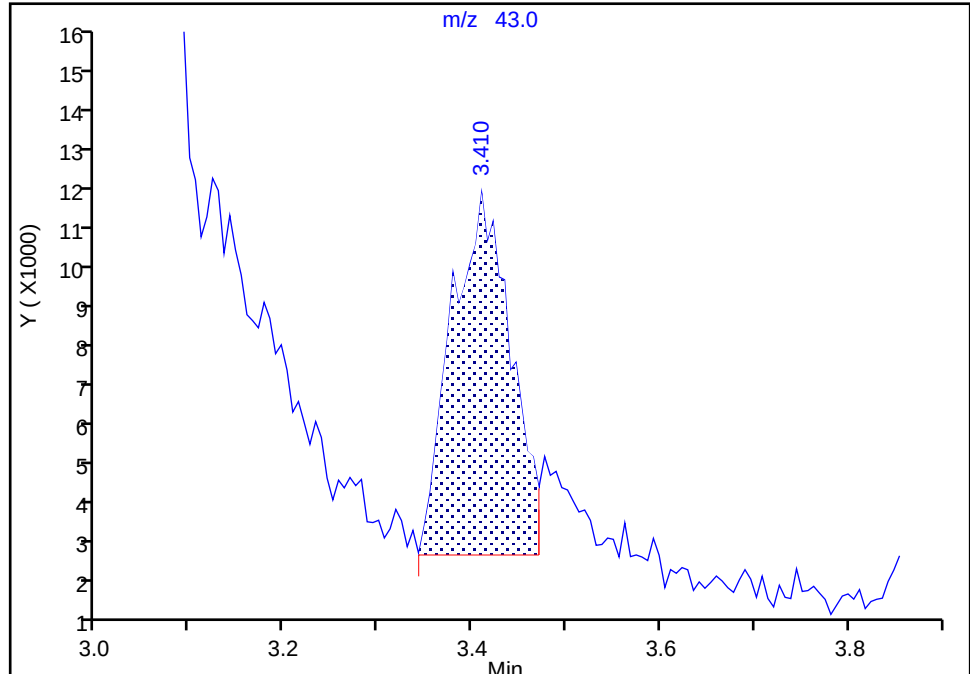
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Injection Date: 03-Dec-2024 19:02:30 Instrument ID: 16334
Lims ID: ICV
Client ID:
Operator ID: knk41612 ALS Bottle#: 10 Worklist Smp#: 21
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

25 Methyl acetate, CAS: 79-20-9

Signal: 1

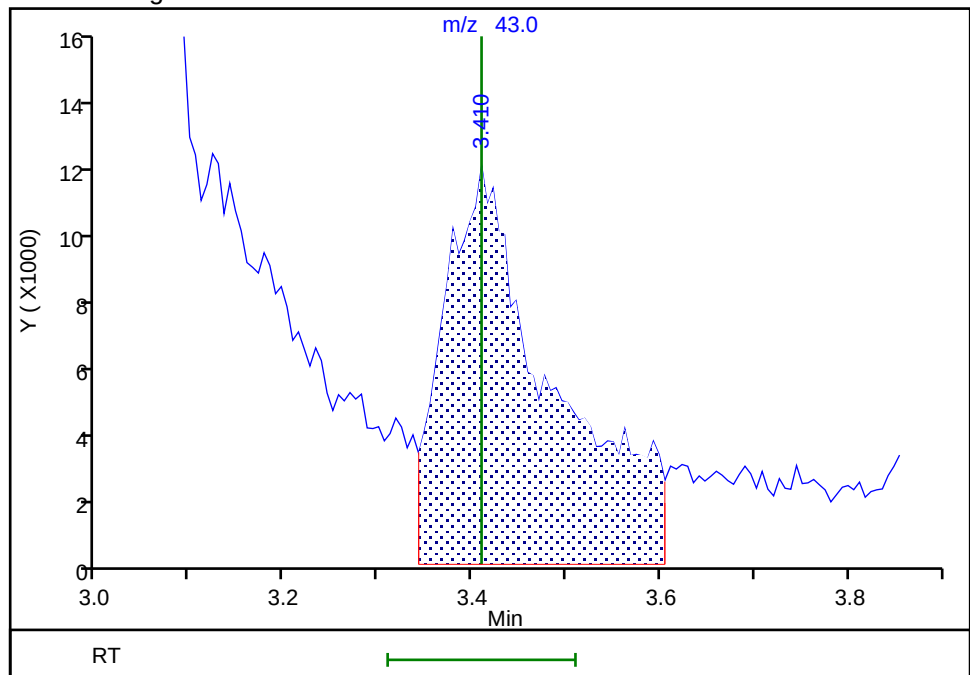
RT: 3.41
Area: 37504
Amount: 3.096705
Amount Units: ug/l

Processing Integration Results



RT: 3.41
Area: 95276
Amount: 5.362748
Amount Units: ug/l

Manual Integration Results



Reviewer: UCB5, 08-Dec-2024 12:06:14 -05:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

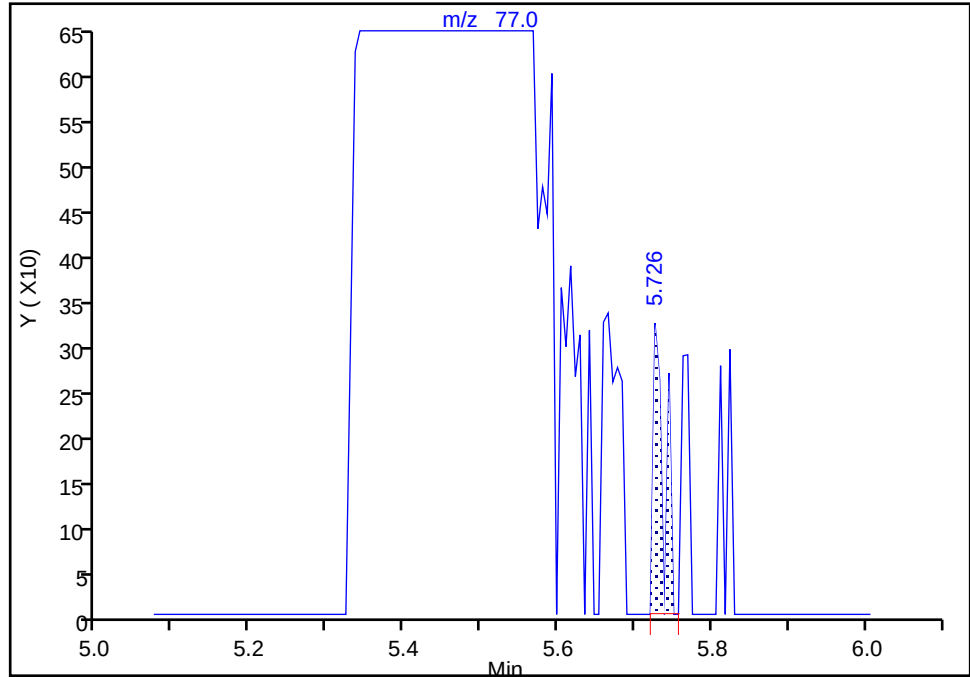
Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X20.D
Injection Date: 03-Dec-2024 19:02:30 Instrument ID: 16334
Lims ID: ICV
Client ID:
Operator ID: knk41612 ALS Bottle#: 10 Worklist Smp#: 21
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

43 2,2-Dichloropropane, CAS: 594-20-7

Signal: 1

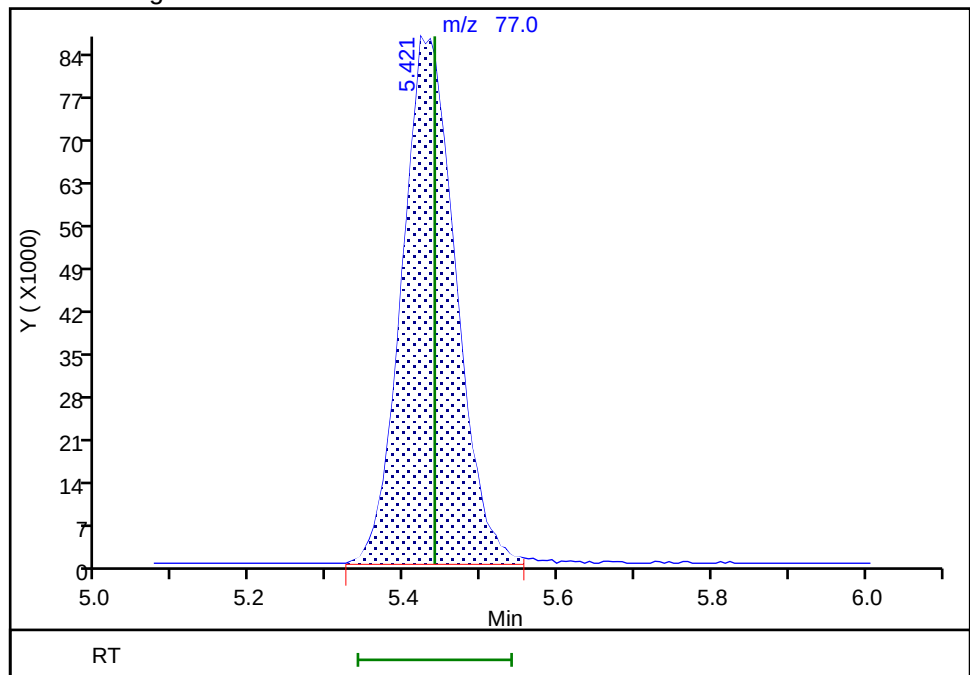
RT: 5.73
Area: 309
Amount: 0.003434
Amount Units: ug/l

Processing Integration Results



RT: 5.42
Area: 417493
Amount: 4.639480
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-Dec-2024 08:43:28 -05:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

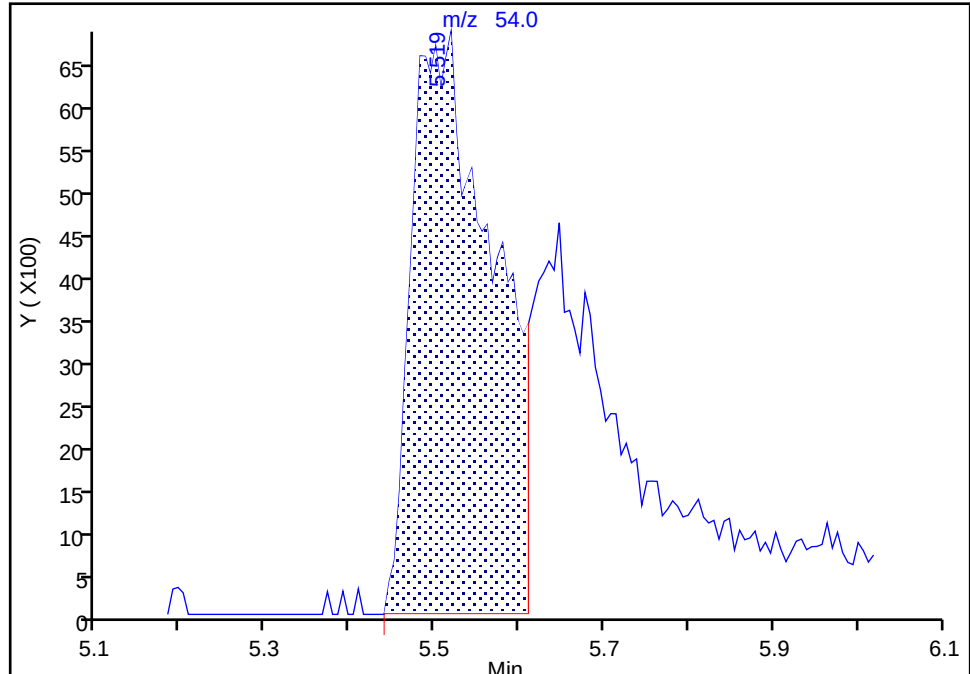
Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X20.D
Injection Date: 03-Dec-2024 19:02:30 Instrument ID: 16334
Lims ID: ICV
Client ID:
Operator ID: knk41612 ALS Bottle#: 10 Worklist Smp#: 21
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm i.d.) Detector: MS Quad

45 Propionitrile, CAS: 107-12-0

Signal: 1

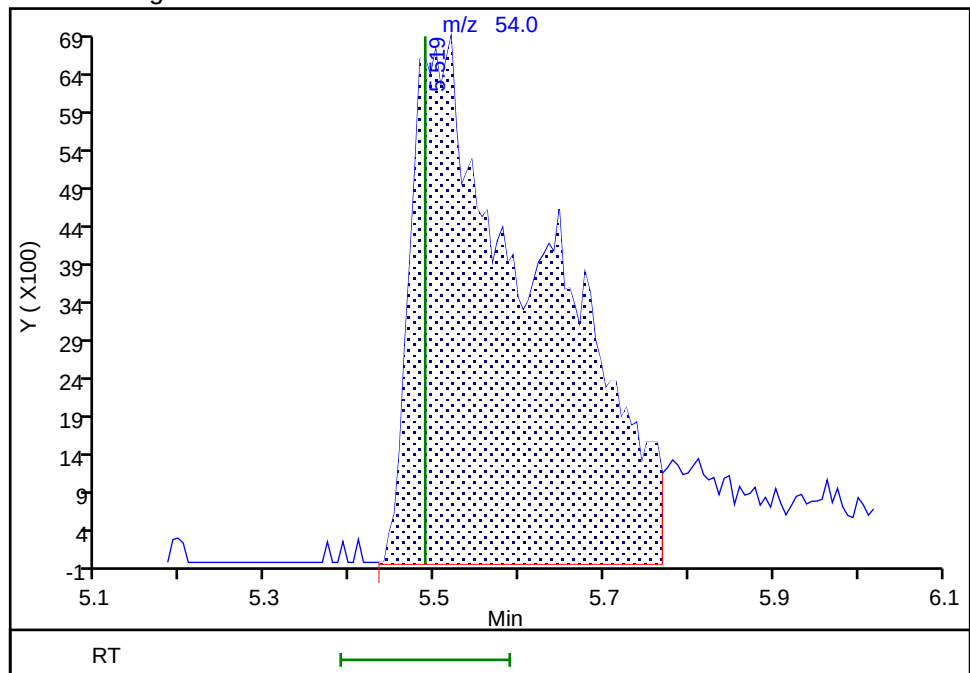
RT: 5.52
Area: 45525
Amount: 24.988904
Amount Units: ug/l

Processing Integration Results



RT: 5.52
Area: 72083
Amount: 37.232552
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-Dec-2024 08:43:40 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

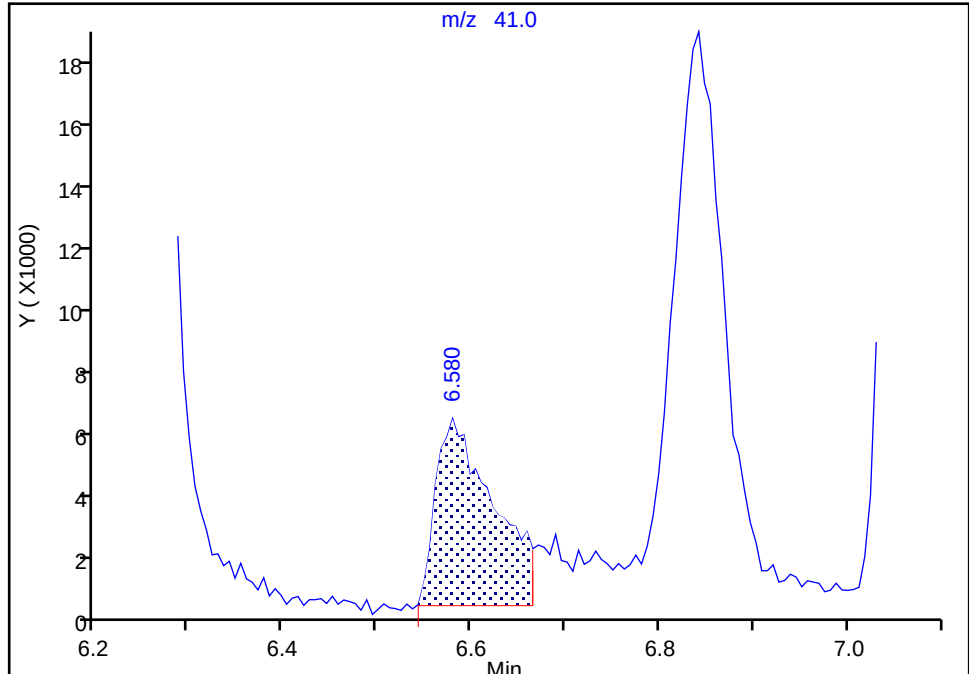
Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X20.D
Injection Date: 03-Dec-2024 19:02:30 Instrument ID: 16334
Lims ID: ICV
Client ID:
Operator ID: knk41612 ALS Bottle#: 10 Worklist Smp#: 21
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

58 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

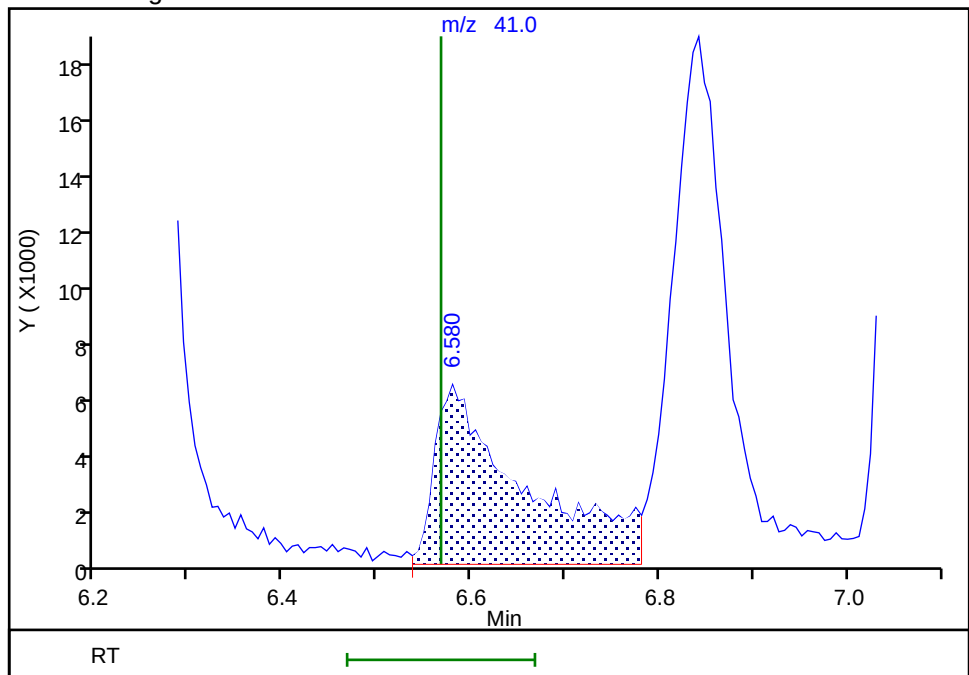
RT: 6.58
Area: 24949
Amount: 62.414413
Amount Units: ug/l

Processing Integration Results



RT: 6.58
Area: 40841
Amount: 102.1711
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-Dec-2024 08:43:56 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

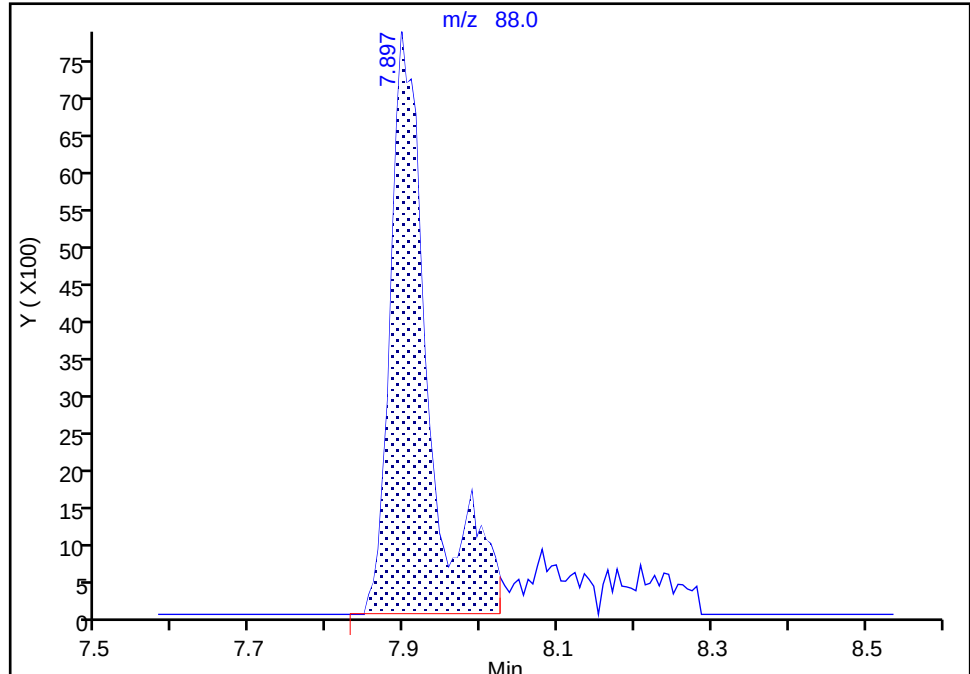
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Injection Date: 03-Dec-2024 19:02:30 Instrument ID: 16334
Lims ID: ICV
Client ID:
Operator ID: knk41612 ALS Bottle#: 10 Worklist Smp#: 21
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

73 1,4-Dioxane, CAS: 123-91-1

Signal: 1

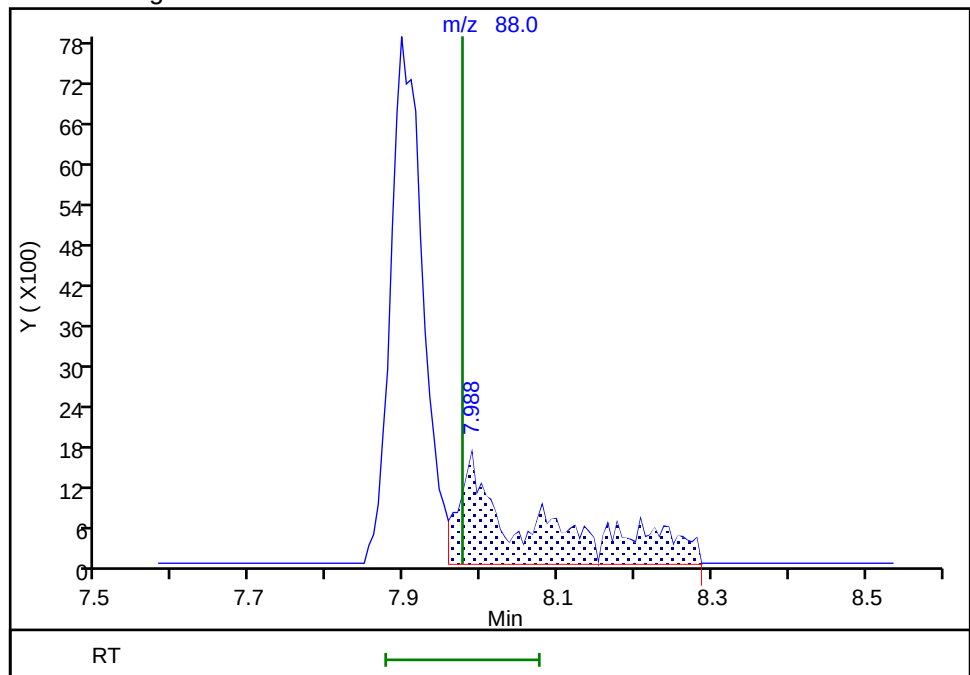
RT: 7.90
Area: 26669
Amount: 281.0798
Amount Units: ug/l

Processing Integration Results



RT: 7.99
Area: 11073
Amount: 117.9766
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-Dec-2024 08:44:09 -05:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

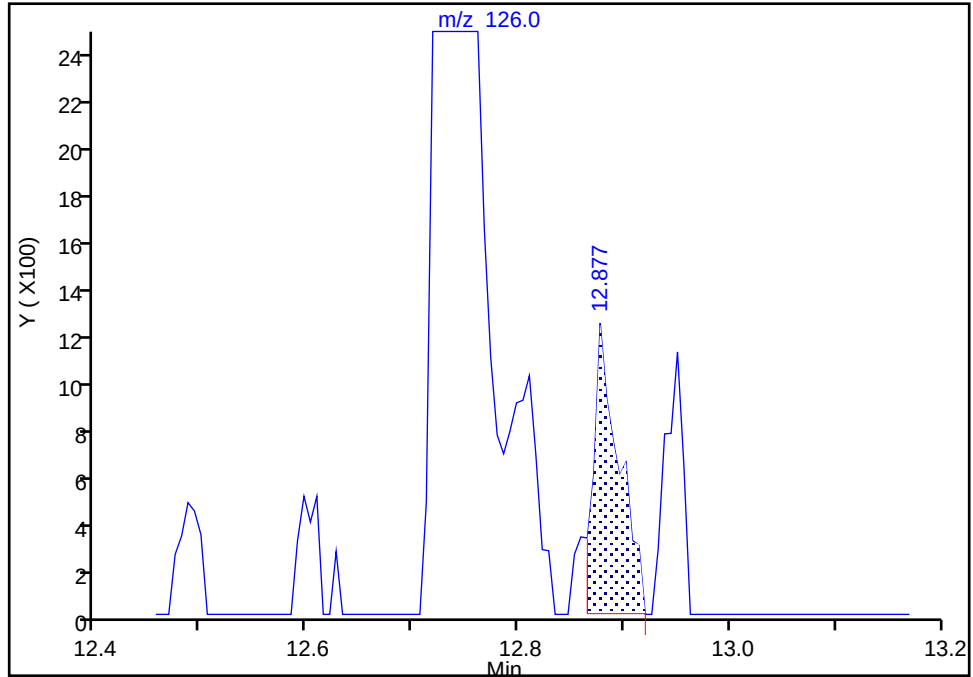
Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X20.D
Injection Date: 03-Dec-2024 19:02:30 Instrument ID: 16334
Lims ID: ICV
Client ID:
Operator ID: knk41612 ALS Bottle#: 10 Worklist Smp#: 21
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

145 Benzyl chloride, CAS: 100-44-7

Signal: 1

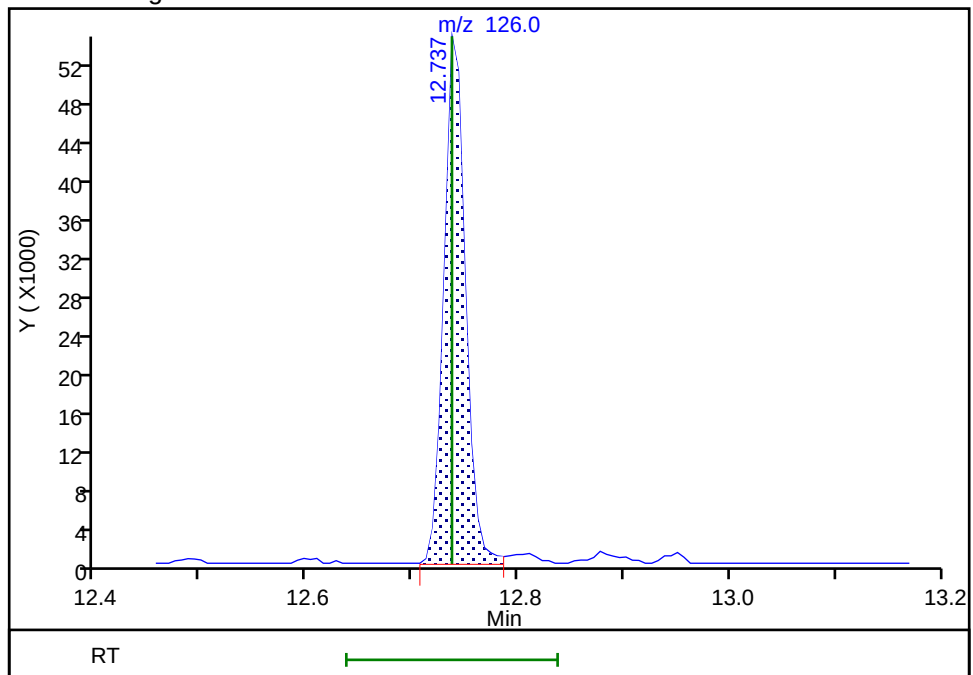
RT: 12.88
Area: 2077
Amount: 0.129555
Amount Units: ug/l

Processing Integration Results



RT: 12.74
Area: 77106
Amount: 4.809573
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-Dec-2024 08:44:21 -05:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-198585-1

SDG No.:

Lab Sample ID: CCVIS 410-581981/6

Calibration Date: 12/04/2024 12:45

Instrument ID: 16334

Calib Start Date: 12/03/2024 16:05

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

Calib End Date: 12/03/2024 18:18

Lab File ID: GD04X05.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	0.3199	0.3009	0.1000	11.8	12.5	-5.9	20.0
Chloromethane	Ave	0.3838	0.3350	0.1000	10.9	12.5	-12.7	20.0
1,3-Butadiene	Ave	0.3533	0.3263		11.5	12.5	-7.6	20.0
Vinyl chloride	Ave	0.3476	0.3202	0.1000	11.5	12.5	-7.9	20.0
Bromomethane	Ave	0.2261	0.1902	0.1000	10.5	12.5	-15.9	20.0
Chloroethane	Ave	0.1756	0.1544	0.1000	11.0	12.5	-12.0	20.0
Dichlorofluoromethane	Ave	0.4919	0.4355		11.1	12.5	-11.5	20.0
Trichlorofluoromethane	Ave	0.3850	0.3614	0.1000	11.7	12.5	-6.1	20.0
Pentane	None					12.5		20.0
Ethyl ether	Ave	0.1410	0.1320		11.7	12.5	-6.4	20.0
Freon 123a	Ave	0.2903	0.2891		12.4	12.5	-0.4	20.0
Acrolein	Ave	2.022	1.990		600	610	-1.6	20.0
1,1-Dichloroethene	Ave	0.2255	0.2068	0.1000	11.5	12.5	-8.3	20.0
Acetone	Ave	2.869	2.405	0.1000	105	125	-16.2	20.0
Freon 113	Ave	0.2374	0.2345	0.1000	12.3	12.5	-1.2	20.0
Methyl iodide	Ave	0.4363	0.4024		11.5	12.5	-7.8	20.0
Ethyl bromide	Ave	0.1987	0.1846		11.6	12.5	-7.1	20.0
Carbon disulfide	Ave	0.8268	0.7708	0.1000	11.7	12.5	-6.8	20.0
Methyl acetate	Ave	12.10	7.652	0.1000	7.91	12.5	-36.8*	20.0
Allyl chloride	Ave	0.3919	0.3634		11.6	12.5	-7.3	20.0
Methylene Chloride	Ave	0.2494	0.2267	0.1000	11.4	12.5	-9.1	20.0
t-Butyl alcohol	Ave	0.5876	0.5608		239	250	-4.6	20.0
Acrylonitrile	Ave	3.929	3.806		30.3	31.3	-3.1	20.0
Methyl tert-butyl ether	Ave	0.5032	0.4842	0.1000	12.0	12.5	-3.8	20.0
trans-1,2-Dichloroethene	Ave	0.2650	0.2472	0.1000	11.7	12.5	-6.7	20.0
n-Hexane	Ave	0.3462	0.3664		13.2	12.5	5.8	20.0
1,1-Dichloroethane	Ave	0.4802	0.4462	0.2000	11.6	12.5	-7.1	20.0
di-Isopropyl ether	Ave	0.7550	0.7176		11.9	12.5	-5.0	20.0
2-Chloro-1,3-butadiene	Ave	0.3676	0.3645		12.4	12.5	-0.8	20.0
Ethyl t-butyl ether	Ave	0.6649	0.6409		12.0	12.5	-3.6	20.0
2-Butanone (MEK)	Ave	4.916	4.814	0.1000	122	125	-2.1	20.0
cis-1,2-Dichloroethene	Ave	0.2899	0.2714	0.1000	11.7	12.5	-6.4	20.0
2,2-Dichloropropane	Ave	0.4088	0.3870		11.8	12.5	-5.3	20.0
Propionitrile	Qua		1.290		221	250	-11.5	20.0
Methacrylonitrile	Ave	5.302	5.325		126	125	0.4	20.0
Bromochloromethane	Ave	0.1088	0.1056		12.1	12.5	-2.9	20.0
Tetrahydrofuran	Ave	1.407	1.430		63.6	62.5	1.7	20.0
Chloroform	Ave	0.4711	0.4338	0.2000	11.5	12.5	-7.9	20.0
1,1,1-Trichloroethane	Ave	0.4171	0.3882	0.1000	11.6	12.5	-6.9	20.0
Cyclohexane	Ave	0.4159	0.4190	0.1000	12.6	12.5	0.8	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-198585-1

SDG No.:

Lab Sample ID: CCVIS 410-581981/6

Calibration Date: 12/04/2024 12:45

Instrument ID: 16334

Calib Start Date: 12/03/2024 16:05

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

Calib End Date: 12/03/2024 18:18

Lab File ID: GD04X05.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	0.3567	0.3428	0.1000	12.0	12.5	-3.9	20.0
1,1-Dichloropropene	Ave	0.3721	0.3579		12.0	12.5	-3.8	20.0
Isobutyl alcohol	Ave	0.0018	0.0018		626	625	0.2	20.0
Benzene	Ave	1.110	1.018	0.5000	11.5	12.5	-8.3	20.0
1,2-Dichloroethane	Ave	0.2544	0.2329	0.1000	11.4	12.5	-8.4	20.0
t-Amyl methyl ether	Ave	0.5517	0.5378		12.2	12.5	-2.5	20.0
n-Heptane	Ave	0.3402	0.3466		12.7	12.5	1.9	20.0
n-Butanol	Qua		0.1957		1020	1090	-6.3	20.0
Trichloroethene	Ave	0.2852	0.2718	0.2000	11.9	12.5	-4.7	20.0
Methylcyclohexane	Ave	0.4363	0.4584	0.1000	13.1	12.5	5.1	20.0
1,2-Dichloropropane	Ave	0.2687	0.2532	0.1000	11.8	12.5	-5.8	20.0
Dibromomethane	Ave	0.1102	0.1023		11.6	12.5	-7.2	20.0
1,4-Dioxane	Ave	0.0639	0.0622	0.0050	608	625	-2.7	20.0
Methyl methacrylate	Ave	10.07	9.668		12.0	12.5	-4.0	20.0
Bromodichloromethane	Ave	0.3079	0.2949	0.2000	12.0	12.5	-4.2	20.0
2-Nitropropane	Ave	3.072	2.716		55.3	62.5	-11.6	20.0
1-Bromo-2-chloroethane	Ave	0.2310	0.2213		12.0	12.5	-4.2	20.0
cis-1,3-Dichloropropene	Ave	0.3776	0.3722	0.2000	12.3	12.5	-1.4	20.0
4-Methyl-2-pentanone (MIBK)	Ave	12.72	13.33	0.1000	131	125	4.9	20.0
Toluene	Ave	0.9636	0.9043	0.4000	11.7	12.5	-6.2	20.0
trans-1,3-Dichloropropene	Ave	0.4032	0.4009	0.1000	12.4	12.5	-0.6	20.0
Ethyl methacrylate	Ave	0.2433	0.2638		13.6	12.5	8.4	20.0
1,1,2-Trichloroethane	Ave	0.2226	0.2042	0.1000	11.5	12.5	-8.2	20.0
Tetrachloroethene	Ave	0.4348	0.4038	0.2000	11.6	12.5	-7.1	20.0
1,3-Dichloropropane	Ave	0.3847	0.3643		11.8	12.5	-5.3	20.0
2-Hexanone	Ave	8.832	8.959	0.1000	127	125	1.4	20.0
Dibromochloromethane	Ave	0.2716	0.2693		12.4	12.5	-0.8	20.0
1,2-Dibromoethane (EDB)	Ave	0.1980	0.1943	0.1000	12.3	12.5	-1.9	20.0
1-Chlorohexane	Ave	0.5189	0.4975		12.0	12.5	-4.1	20.0
Chlorobenzene	Ave	1.082	1.005	0.5000	11.6	12.5	-7.1	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3511	0.3359		12.0	12.5	-4.3	20.0
Ethylbenzene	Ave	1.874	1.802	0.1000	12.0	12.5	-3.8	20.0
m&p-Xylene	Ave	0.7230	0.7001	0.1000	24.2	25.0	-3.2	20.0
o-Xylene	Ave	0.6903	0.6775	0.3000	12.3	12.5	-1.9	20.0
Styrene	Ave	1.050	1.086	0.3000	12.9	12.5	3.4	20.0
Bromoform	Ave	0.1404	0.1409	0.1000	12.6	12.5	0.4	20.0
Isopropylbenzene	Ave	1.621	1.625	0.1000	12.5	12.5	0.2	20.0
1,1,2,2-Tetrachloroethane	Ave	0.4638	0.4445	0.3000	12.0	12.5	-4.2	20.0
Bromobenzene	Ave	0.7776	0.7347		11.8	12.5	-5.5	20.0
trans-1,4-Dichloro-2-butene	Ave	5.416	5.075		117	125	-6.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-198585-1

SDG No.:

Lab Sample ID: CCVIS 410-581981/6

Calibration Date: 12/04/2024 12:45

Instrument ID: 16334

Calib Start Date: 12/03/2024 16:05

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

Calib End Date: 12/03/2024 18:18

Lab File ID: GD04X05.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	0.1236	0.1194		12.1	12.5	-3.4	20.0
N-Propylbenzene	Ave	4.178	4.069		12.2	12.5	-2.6	20.0
2-Chlorotoluene	Ave	0.8303	0.7921		11.9	12.5	-4.6	20.0
1,3,5-Trimethylbenzene	Ave	2.946	2.920		12.4	12.5	-0.9	20.0
4-Chlorotoluene	Ave	0.8587	0.8278		12.0	12.5	-3.6	20.0
tert-Butylbenzene	Ave	0.6391	0.6388		12.5	12.5	-0.0	20.0
Pentachloroethane	Ave	0.4371	0.4478		12.8	12.5	2.5	20.0
1,2,4-Trimethylbenzene	Ave	3.016	3.016		12.5	12.5	0.0	20.0
sec-Butylbenzene	Ave	3.818	3.828		12.5	12.5	0.2	20.0
1,3-Dichlorobenzene	Ave	1.655	1.579	0.6000	11.9	12.5	-4.6	20.0
p-Isopropyltoluene	Ave	3.259	3.318		12.7	12.5	1.8	20.0
1,4-Dichlorobenzene	Ave	1.691	1.534	0.5000	11.3	12.5	-9.3	20.0
1,2,3-Trimethylbenzene	Ave	1.290	1.244		12.1	12.5	-3.5	20.0
Benzyl chloride	Ave	0.1879	0.1959		13.0	12.5	4.3	20.0
n-Butylbenzene	Ave	1.672	1.663		12.4	12.5	-0.5	20.0
1,2-Dichlorobenzene	Ave	1.436	1.336	0.4000	11.6	12.5	-7.0	20.0
1,2-Dibromo-3-Chloropropane	Ave	2.684	2.762	0.0500	12.9	12.5	2.9	20.0
1,3,5-Trichlorobenzene	Ave	1.301	1.264		12.1	12.5	-2.9	20.0
1,2,4-Trichlorobenzene	Ave	1.037	1.022	0.2000	12.3	12.5	-1.5	20.0
Hexachlorobutadiene	Ave	0.5663	0.5614		12.4	12.5	-0.9	20.0
Naphthalene	Ave	1.380	1.454		13.2	12.5	5.3	20.0
1,2,3-Trichlorobenzene	Ave	0.8082	0.7941		12.3	12.5	-1.7	20.0
Dibromofluoromethane (Surr)	Ave	0.2359	0.2351		9.96	10.0	-0.4	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0450	0.0449		9.98	10.0	-0.2	20.0
Toluene-d8 (Surr)	Ave	1.388	1.387		9.99	10.0	-0.0	20.0
4-Bromofluorobenzene (Surr)	Ave	0.4793	0.4810		10.0	10.0	0.4	20.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X05.D
 Lims ID: CCVIS VSTD12.5
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 04-Dec-2024 12:45:30 ALS Bottle#: 5 Worklist Smp#: 6
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0132342-006
 Misc. Info.: CCVIS VSTD12.5
 Operator ID: knk41612 Instrument ID: 16334
 Sublist: chrom-MSV_16334_25mL*sub4
 Method: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\MSV_16334_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 10-Dec-2024 07:12:10 Calib Date: 03-Dec-2024 18:18:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1605

First Level Reviewer: FQ4L

Date: 10-Dec-2024 07:12:10

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.703	1.703	0.000	99	847012	12.5	11.8	
5 Chloromethane	50	1.873	1.873	0.000	99	942979	12.5	10.9	
7 Butadiene	39	1.959	1.959	0.000	90	918631	12.5	11.5	
6 Vinyl chloride	62	1.977	1.977	0.000	98	901239	12.5	11.5	
9 Bromomethane	94	2.264	2.264	0.000	91	535339	12.5	10.5	M
10 Chloroethane	64	2.300	2.300	0.000	100	434684	12.5	11.0	
11 Dichlorofluoromethane	67	2.501	2.501	0.000	97	1225869	12.5	11.1	
12 Trichlorofluoromethane	101	2.593	2.593	0.000	98	1017358	12.5	11.7	
13 Ethyl ether	59	2.763	2.763	0.000	90	371614	12.5	11.7	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	2.837	2.837	0.000	93	813687	12.5	12.4	
17 Acrolein	56	2.904	2.904	0.000	99	2217828	609.9	600.3	M
18 1,1-Dichloroethene	96	3.020	3.020	0.000	98	582248	12.5	11.5	
19 Acetone	43	3.050	3.050	0.000	62	549325	125.0	104.8	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.062	3.062	0.000	93	660040	12.5	12.3	
21 Isopropyl alcohol	45	3.172	3.172	0.000	27	153001	250.0	267.0	M
22 Iodomethane	142	3.184	3.184	0.000	100	1132672	12.5	11.5	
23 Ethyl bromide	108	3.208	3.208	0.000	99	520583	12.5	11.6	
24 Carbon disulfide	76	3.269	3.269	0.000	99	2169854	12.5	11.7	
25 Methyl acetate	43	3.404	3.404	0.000	95	174795	12.5	7.91	
27 3-Chloro-1-propene	41	3.416	3.416	0.000	93	1023042	12.5	11.6	
29 Methylene Chloride	84	3.574	3.574	0.000	92	638102	12.5	11.4	
* 30 t-Butyl alcohol-d10 (IS)	65	3.617	3.617	0.000	100	91373	50.0	50.0	
31 2-Methyl-2-propanol	59	3.702	3.702	0.000	100	256207	250.0	238.6	
32 Acrylonitrile	53	3.879	3.879	0.000	99	217345	31.3	30.3	
34 trans-1,2-Dichloroethene	96	3.928	3.928	0.000	99	695794	12.5	11.7	
33 Methyl tert-butyl ether	73	3.928	3.928	0.000	95	1362960	12.5	12.0	
35 Hexane	57	4.318	4.318	0.000	91	1031401	12.5	13.2	
37 1,1-Dichloroethane	63	4.556	4.556	0.000	96	1256066	12.5	11.6	
38 Isopropyl ether	45	4.629	4.629	0.000	94	2020089	12.5	11.9	
39 2-Chloro-1,3-butadiene	53	4.672	4.672	0.000	90	1026055	12.5	12.4	

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	5.184	5.184	0.000	97	1804055	12.5	12.0	
41 2-Butanone (MEK)	43	5.391	5.391	0.000	100	1099742	125.0	122.4	
42 cis-1,2-Dichloroethene	96	5.415	5.415	0.000	82	764024	12.5	11.7	
43 2,2-Dichloropropane	77	5.428	5.428	0.000	85	1089414	12.5	11.8	
45 Propionitrile	54	5.476	5.476	0.000	99	589354	250.0	221.3	M
48 Methacrylonitrile	67	5.696	5.696	0.000	91	1216505	125.0	125.5	
49 Chlorobromomethane	128	5.751	5.751	0.000	93	297351	12.5	12.1	
50 Tetrahydrofuran	71	5.769	5.769	0.000	77	163383	62.5	63.6	
51 Chloroform	83	5.915	5.915	0.000	93	1221234	12.5	11.5	
\$ 52 Dibromofluoromethane (Surr)	113	6.135	6.135	0.000	94	529418	10.0	9.96	
53 1,1,1-Trichloroethane	97	6.141	6.141	0.000	98	1092840	12.5	11.6	
54 Cyclohexane	56	6.238	6.238	0.000	89	1179544	12.5	12.6	
55 Carbon tetrachloride	117	6.354	6.354	0.000	96	964981	12.5	12.0	
56 1,1-Dichloropropene	75	6.360	6.360	0.000	98	1007577	12.5	12.0	
58 Isobutyl alcohol	41	6.568	6.568	0.000	90	256090	625.0	626.2	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.592	6.592	0.000	81	101177	10.0	9.98	
60 Benzene	78	6.622	6.622	0.000	96	2866746	12.5	11.5	
61 1,2-Dichloroethane	62	6.696	6.696	0.000	97	655718	12.5	11.4	
63 Tert-amyl methyl ether	73	6.842	6.842	0.000	99	1513724	12.5	12.2	
* 64 Fluorobenzene (IS)	96	7.043	7.043	0.000	99	2251852	10.0	10.0	
65 n-Heptane	43	7.068	7.068	0.000	91	975710	12.5	12.7	
67 n-Butanol	56	7.482	7.482	0.000	88	391232	1093.8	1024.4	
68 Trichloroethene	95	7.531	7.531	0.000	99	765210	12.5	11.9	
69 Methylcyclohexane	83	7.842	7.842	0.000	91	1290296	12.5	13.1	
70 1,2-Dichloropropane	63	7.866	7.866	0.000	97	712827	12.5	11.8	
71 2-ethoxy-2-methyl butane	87	7.903	7.903	0.000	94	1073229	12.5	12.3	
74 Dibromomethane	93	7.976	7.976	0.000	97	287841	12.5	11.6	
73 1,4-Dioxane	88	7.982	7.982	0.000	29	71029	625.0	608.1	M
72 Methyl methacrylate	69	7.982	7.982	0.000	98	220864	12.5	12.0	
76 Dichlorobromomethane	83	8.226	8.226	0.000	100	830112	12.5	12.0	
77 2-Nitropropane	41	8.512	8.512	0.000	97	310211	62.5	55.3	
79 1-Bromo-2-chloroethane	63	8.622	8.622	0.000	99	623006	12.5	12.0	
81 cis-1,3-Dichloropropene	75	8.799	8.799	0.000	97	1047677	12.5	12.3	
82 4-Methyl-2-pentanone (MIBK)	43	9.006	9.006	0.000	96	3045727	125.0	131.1	
\$ 83 Toluene-d8 (Surr)	98	9.134	9.134	0.000	93	2286700	10.0	10.0	
84 Toluene	92	9.220	9.220	0.000	98	1863600	12.5	11.7	
85 trans-1,3-Dichloropropene	75	9.518	9.518	0.000	92	826243	12.5	12.4	
86 Ethyl methacrylate	69	9.604	9.604	0.000	89	543660	12.5	13.6	
107 1,1,2-Trichloroethane	97	9.732	9.732	0.000	91	420855	12.5	11.5	
108 Tetrachloroethene	166	9.823	9.823	0.000	97	832291	12.5	11.6	
109 1,3-Dichloropropane	76	9.908	9.908	0.000	89	750859	12.5	11.8	
110 2-Hexanone	43	9.988	9.988	0.000	96	2046618	125.0	126.8	
112 Chlorodibromomethane	129	10.134	10.134	0.000	90	555079	12.5	12.4	
113 Ethylene Dibromide	107	10.244	10.244	0.000	99	400424	12.5	12.3	
* 114 Chlorobenzene-d5 (IS)	117	10.707	10.707	0.000	84	1648686	10.0	10.0	
116 Chlorobenzene	112	10.731	10.731	0.000	93	2071667	12.5	11.6	
115 1-Chlorohexane	91	10.731	10.731	0.000	68	1025260	12.5	12.0	
117 1,1,1,2-Tetrachloroethane	131	10.823	10.823	0.000	96	692335	12.5	12.0	
118 Ethylbenzene	91	10.829	10.829	0.000	98	3714559	12.5	12.0	
120 m-Xylene & p-Xylene	106	10.951	10.951	0.000	100	2885725	25.0	24.2	
121 o-Xylene	106	11.292	11.292	0.000	96	1396224	12.5	12.3	
122 Styrene	104	11.304	11.304	0.000	95	2238222	12.5	12.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
123 Bromoform	173	11.457	11.457	0.000	96	290433	12.5	12.6	
124 Isopropylbenzene	105	11.603	11.603	0.000	95	3349172	12.5	12.5	
\$ 127 4-Bromofluorobenzene (Surr)	95	11.743	11.743	0.000	89	793056	10.0	10.0	
128 1,1,2,2-Tetrachloroethane	83	11.859	11.859	0.000	90	485501	12.5	12.0	
129 Bromobenzene	156	11.859	11.859	0.000	91	802351	12.5	11.8	
130 trans-1,4-Dichloro-2-butene	53	11.884	11.884	0.000	89	1159424	125.0	117.1	
131 1,2,3-Trichloropropane	110	11.902	11.902	0.000	82	130456	12.5	12.1	
132 N-Propylbenzene	91	11.939	11.939	0.000	99	4443942	12.5	12.2	
133 2-Chlorotoluene	126	12.012	12.012	0.000	97	865049	12.5	11.9	
134 1,3,5-Trimethylbenzene	105	12.079	12.079	0.000	93	3189311	12.5	12.4	
135 4-Chlorotoluene	126	12.103	12.103	0.000	98	904050	12.5	12.0	
136 tert-Butylbenzene	134	12.323	12.323	0.000	93	697620	12.5	12.5	
137 Pentachloroethane	167	12.353	12.353	0.000	86	489110	12.5	12.8	
138 1,2,4-Trimethylbenzene	105	12.365	12.365	0.000	97	3294018	12.5	12.5	
139 sec-Butylbenzene	105	12.487	12.487	0.000	94	4180223	12.5	12.5	
140 1,3-Dichlorobenzene	146	12.585	12.585	0.000	98	1724284	12.5	11.9	
141 4-Isopropyltoluene	119	12.603	12.603	0.000	97	3623675	12.5	12.7	
* 142 1,4-Dichlorobenzene-d4	152	12.640	12.640	0.000	94	873693	10.0	10.0	
143 1,4-Dichlorobenzene	146	12.658	12.658	0.000	95	1675395	12.5	11.3	
144 1,2,3-Trimethylbenzene	120	12.670	12.670	0.000	99	1358969	12.5	12.1	
145 Benzyl chloride	126	12.737	12.737	0.000	98	213986	12.5	13.0	
146 p-Diethylbenzene	119	12.877	12.877	0.000	93	2212597	12.5	12.6	
147 n-Butylbenzene	92	12.896	12.896	0.000	97	1816327	12.5	12.4	
148 1,2-Dichlorobenzene	146	12.920	12.920	0.000	98	1459207	12.5	11.6	
150 1,2-Dibromo-3-Chloropropane	155	13.463	13.463	0.000	85	63094	12.5	12.9	
151 1,3,5-Trichlorobenzene	180	13.591	13.591	0.000	98	1380575	12.5	12.1	
152 1,2,4-Trichlorobenzene	180	14.011	14.011	0.000	94	1115751	12.5	12.3	
153 Hexachlorobutadiene	225	14.103	14.103	0.000	97	613129	12.5	12.4	
154 Naphthalene	128	14.188	14.188	0.000	97	1587821	12.5	13.2	
155 1,2,3-Trichlorobenzene	180	14.334	14.334	0.000	96	867299	12.5	12.3	
156 2-Methylnaphthalene	142	14.920	14.920	0.000	92	831571	12.5	12.2	
167 Pentane	43	2.757	2.757	0.000	39	59313	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_GAS826_00247

Amount Added: 25.00

Units: uL

MSV_LL_#1_826_00154

Amount Added: 25.00

Units: uL

MSV_LL_#2_826_00163

Amount Added: 25.00

Units: uL

MSV_29_826ISS_00057

Amount Added: 1.20

Units: uL

Run Reagent

Report Date: 10-Dec-2024 07:12:10

Chrom Revision: 2.3 12-Nov-2024 16:55:22

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X05.D

Injection Date: 04-Dec-2024 12:45:30

Instrument ID: 16334

Operator ID: knk41612

Lims ID: CCVIS VSTD12.5

Worklist Smp#: 6

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

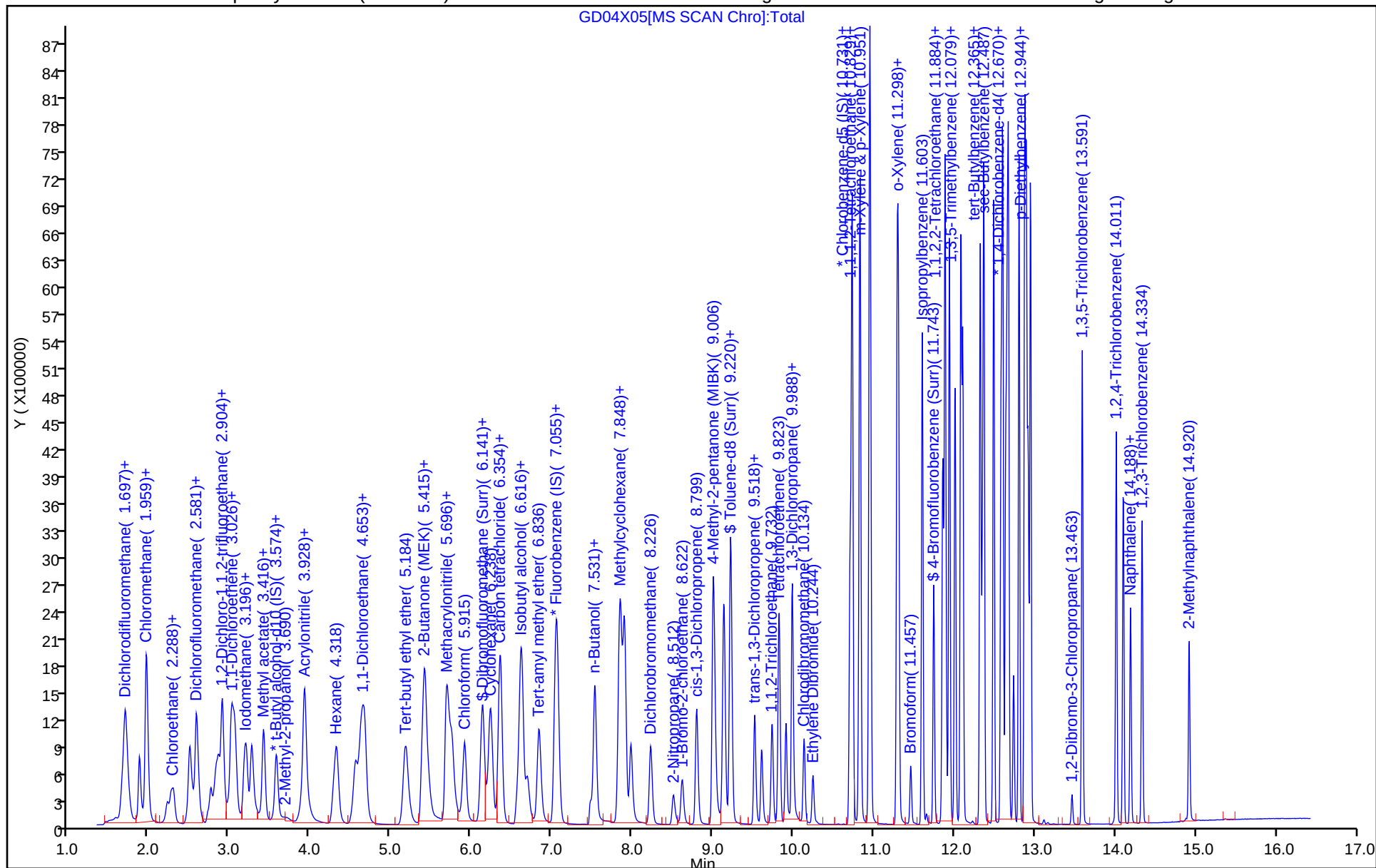
ALS Bottle#: 5

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

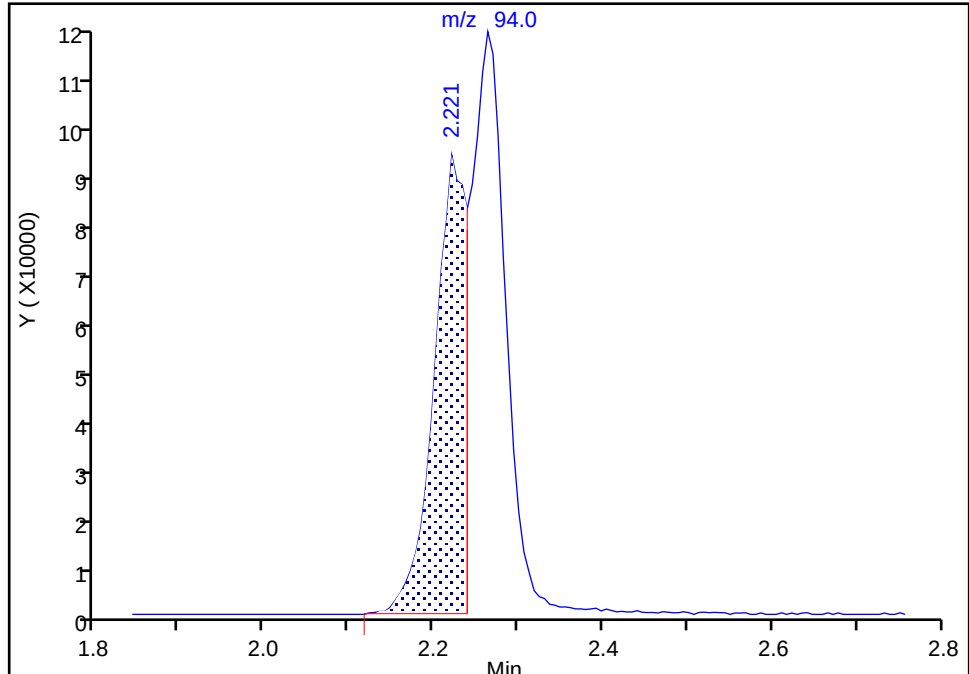
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Lims ID: CCVIS VSTD12.5
Client ID:
Operator ID: knk41612 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

9 Bromomethane, CAS: 74-83-9

Signal: 1

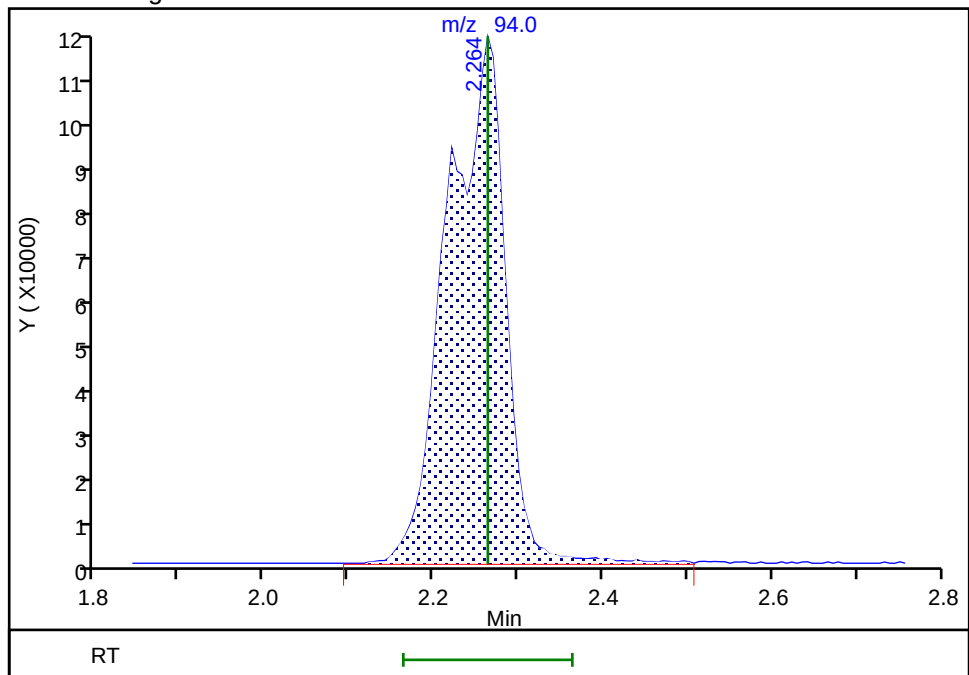
RT: 2.22
Area: 235878
Amount: 4.633407
Amount Units: ug/l

Processing Integration Results



RT: 2.26
Area: 535339
Amount: 10.515791
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-Dec-2024 13:55:35 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

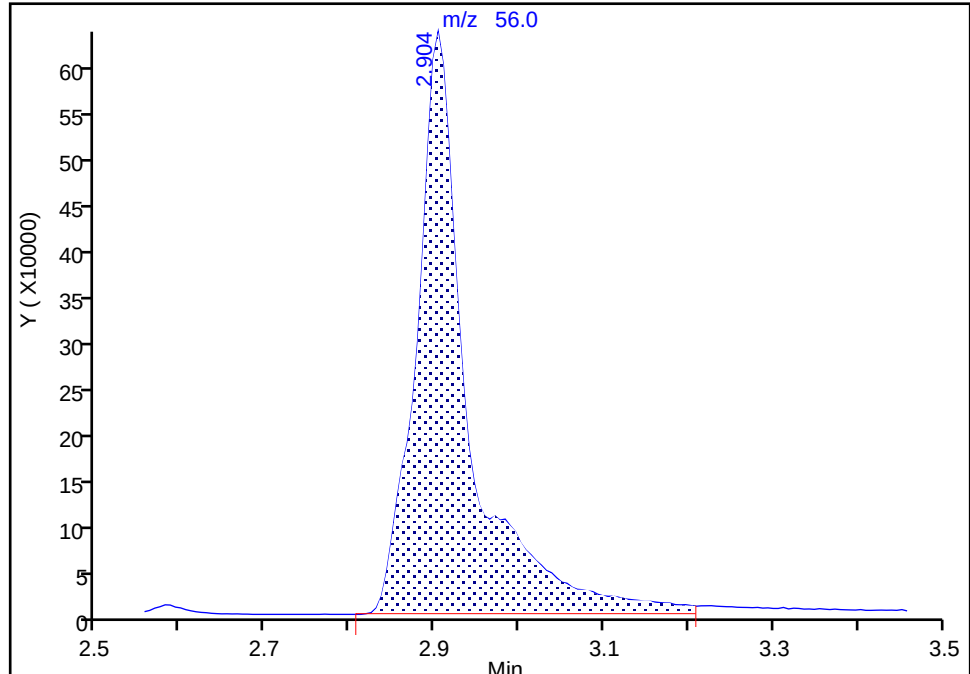
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Injection Date: 04-Dec-2024 12:45:30 Instrument ID: 16334
Lims ID: CCVIS VSTD12.5
Client ID:
Operator ID: knk41612 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

17 Acrolein, CAS: 107-02-8

Signal: 1

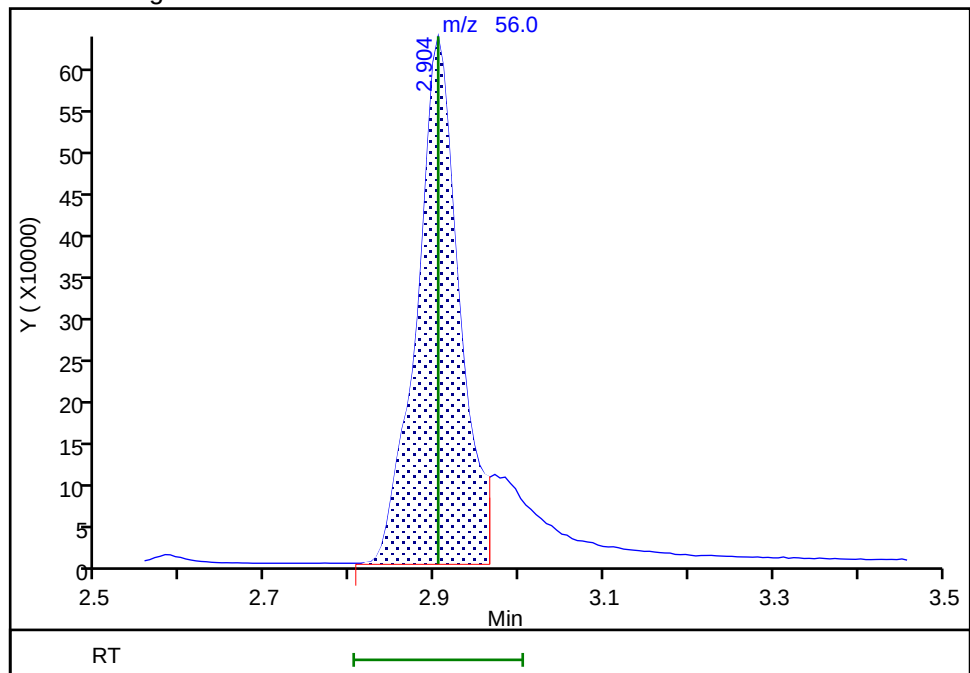
RT: 2.90
Area: 2750513
Amount: 744.5044
Amount Units: ug/l

Processing Integration Results



RT: 2.90
Area: 2217828
Amount: 600.3181
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-Dec-2024 13:57:11 -05:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

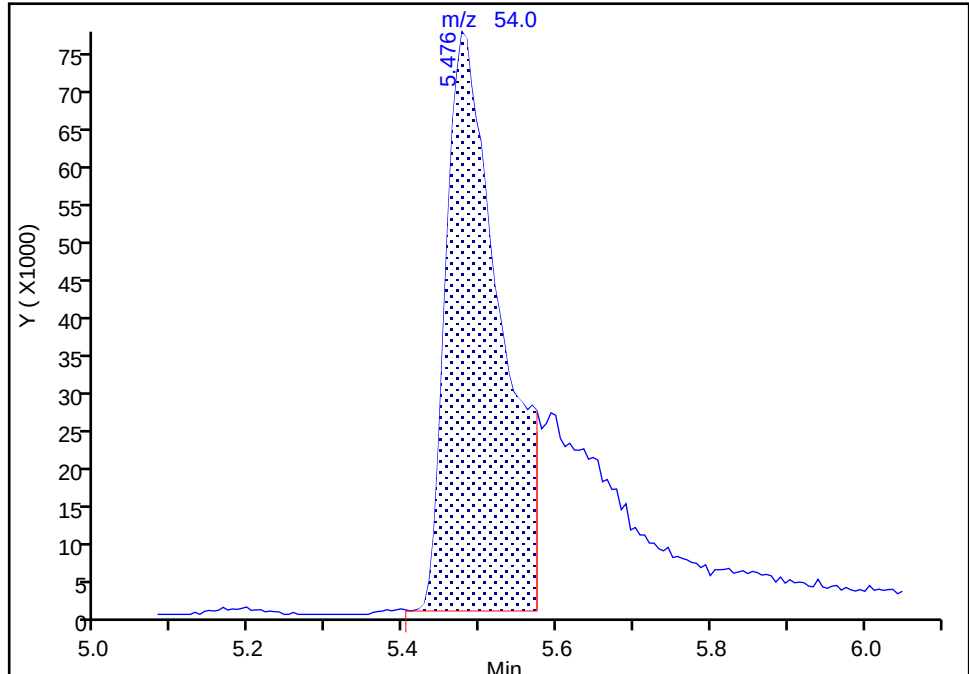
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Injection Date: 04-Dec-2024 12:45:30 Instrument ID: 16334
Lims ID: CCVIS VSTD12.5
Client ID:
Operator ID: knk41612 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

45 Propionitrile, CAS: 107-12-0

Signal: 1

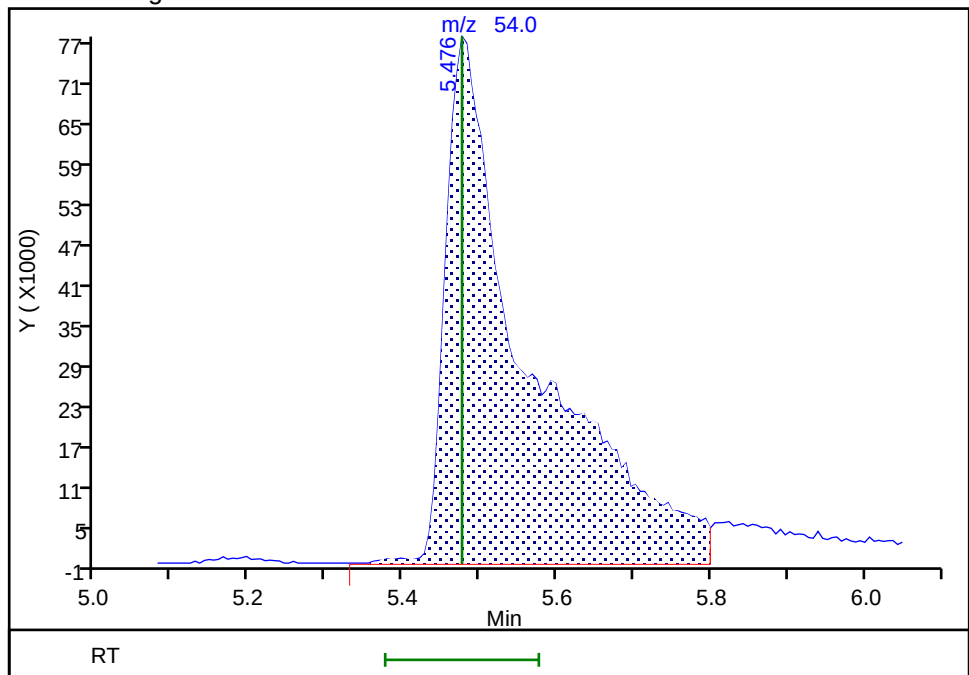
RT: 5.48
Area: 379815
Amount: 143.9786
Amount Units: ug/l

Processing Integration Results



RT: 5.48
Area: 589354
Amount: 221.2779
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-Dec-2024 13:55:59 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

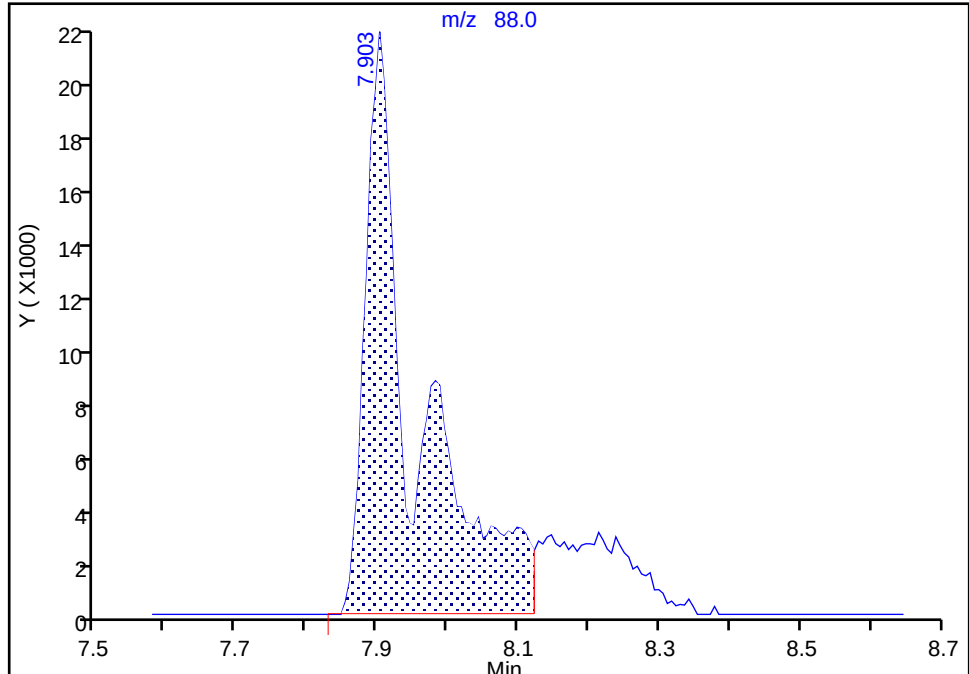
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Injection Date: 04-Dec-2024 12:45:30 Instrument ID: 16334
Lims ID: CCVIS VSTD12.5
Client ID:
Operator ID: knk41612 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

73 1,4-Dioxane, CAS: 123-91-1

Signal: 1

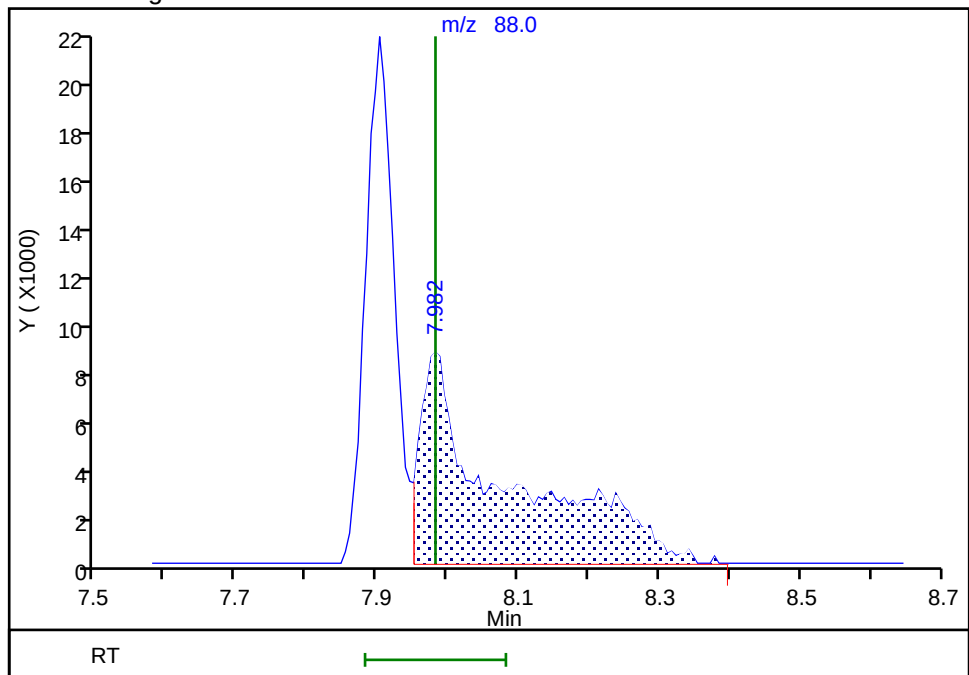
RT: 7.90
Area: 104809
Amount: 849.3413
Amount Units: ug/l

Processing Integration Results



RT: 7.98
Area: 71029
Amount: 608.0661
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-Dec-2024 13:56:14 -05:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-198585-1

SDG No.: _____

Lab Sample ID: ICV 410-562891/21

Calibration Date: 10/15/2024 00:42

Instrument ID: 19094

Calib Start Date: 10/14/2024 21:54

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

Calib End Date: 10/15/2024 00:00

Lab File ID: HC14X20.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	0.2187	0.1787	0.1000	4.08	5.00	-18.3	30.0
Chloromethane	Ave	0.3263	0.2744	0.1000	4.21	5.00	-15.9	30.0
1,3-Butadiene	Ave	0.3016	0.2490		4.13	5.00	-17.5	30.0
Vinyl chloride	Ave	0.2808	0.2420	0.1000	4.31	5.00	-13.8	30.0
Bromomethane	Ave	0.2020	0.1891	0.1000	4.68	5.00	-6.4	30.0
Chloroethane	Ave	0.1807	0.1619	0.1000	4.48	5.00	-10.4	30.0
Dichlorofluoromethane	Ave	0.4627	0.4121		4.45	5.00	-10.9	30.0
Trichlorofluoromethane	Ave	0.3088	0.2684	0.1000	4.35	5.00	-13.1	30.0
Ethyl ether	Ave	0.1516	0.1600		5.26	4.98	5.5	30.0
Freon 123a	Ave	0.2602	0.2179		4.19	5.00	-16.3	30.0
Acrolein	Ave	2.394	2.693		42.3	37.6	12.5	30.0
1,1-Dichloroethene	Ave	0.1740	0.2102	0.1000	6.04	5.00	20.8	30.0
Acetone	Ave	2.783	2.811	0.1000	63.1	62.5	1.0	30.0
Freon 113	Ave	0.1613	0.1808	0.1000	5.60	5.00	12.1	30.0
Methyl iodide	Ave	0.3560	0.3661		5.14	5.00	2.8	30.0
Ethyl bromide	Ave	0.1690	0.2045		5.71	4.72	21.0	30.0
Carbon disulfide	Ave	0.5525	0.5899	0.1000	5.34	5.00	6.8	30.0
Methyl acetate	Ave	7.629	7.552	0.1000	4.95	5.00	-1.0	30.0
Allyl chloride	Ave	0.3651	0.3785		5.18	5.00	3.7	30.0
Methylene Chloride	Ave	0.2085	0.2248	0.1000	5.39	5.00	7.8	30.0
t-Butyl alcohol	Ave	0.8600	0.9717		56.5	50.0	13.0	30.0
Acrylonitrile	Ave	3.649	4.219		28.9	25.0	15.6	30.0
Methyl tert-butyl ether	Ave	0.4845	0.4813	0.1000	4.97	5.00	-0.7	30.0
trans-1,2-Dichloroethene	Ave	0.2032	0.2340	0.1000	5.76	5.00	15.2	30.0
n-Hexane	Ave	0.2699	0.2716		5.03	5.00	0.6	30.0
1,1-Dichloroethane	Ave	0.3991	0.4530	0.2000	5.67	5.00	13.5	30.0
di-Isopropyl ether	Ave	0.7233	0.7516		5.20	5.00	3.9	30.0
2-Chloro-1,3-butadiene	Ave	0.3319	0.3539		5.33	5.00	6.6	30.0
Ethyl t-butyl ether	Ave	0.6585	0.6746		5.12	5.00	2.4	30.0
2-Butanone (MEK)	Ave	4.834	5.640	0.1000	72.9	62.5	16.7	30.0
cis-1,2-Dichloroethene	Ave	0.2372	0.2585	0.1000	5.45	5.00	9.0	30.0
2,2-Dichloropropane	Ave	0.3314	0.3602		5.44	5.00	8.7	30.0
Propionitrile	Ave	1.311	1.233		35.3	37.5	-5.9	30.0
Methacrylonitrile	Ave	5.271	5.788		41.2	37.5	9.8	30.0
Bromochloromethane	Ave	0.0963	0.1042		5.41	5.00	8.1	30.0
Tetrahydrofuran	Ave	1.357	1.521		28.0	25.0	12.0	30.0
Chloroform	Ave	0.3752	0.4096	0.2000	5.46	5.00	9.2	30.0
1,1,1-Trichloroethane	Ave	0.3193	0.3622	0.1000	5.67	5.00	13.4	30.0
Cyclohexane	Ave	0.3480	0.3797	0.1000	5.46	5.00	9.1	30.0
1,1-Dichloropropene	Ave	0.2995	0.3271		5.46	5.00	9.2	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-198585-1

SDG No.: _____

Lab Sample ID: ICV 410-562891/21

Calibration Date: 10/15/2024 00:42

Instrument ID: 19094

Calib Start Date: 10/14/2024 21:54

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

Calib End Date: 10/15/2024 00:00

Lab File ID: HC14X20.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	0.2662	0.3117	0.1000	5.85	5.00	17.1	30.0
Isobutyl alcohol	Ave	0.3172	0.3146		124	125	-0.8	30.0
Benzene	Ave	0.9212	1.006	0.5000	5.46	5.00	9.2	30.0
1,2-Dichloroethane	Ave	0.2163	0.2266	0.1000	5.24	5.00	4.7	30.0
t-Amyl methyl ether	Ave	0.5463	0.5567		5.09	5.00	1.9	30.0
n-Heptane	Ave	0.2655	0.2818		5.31	5.00	6.1	30.0
n-Butanol	Ave	0.2199	0.2389		272	250	8.6	30.0
Trichloroethene	Ave	0.2303	0.2529	0.2000	5.49	5.00	9.8	30.0
Methylcyclohexane	Ave	0.3321	0.3687	0.1000	5.55	5.00	11.0	30.0
1,2-Dichloropropane	Ave	0.2332	0.2540	0.1000	5.44	5.00	8.9	30.0
Methyl methacrylate	Ave	9.950	11.09		5.58	5.00	11.5	30.0
1,4-Dioxane	Ave	0.0392	0.0560	0.0050	179	125	42.9*	30.0
Dibromomethane	Ave	0.0976	0.1047		5.36	5.00	7.2	30.0
Bromodichloromethane	Ave	0.2595	0.2816	0.2000	5.43	5.00	8.5	30.0
2-Nitropropane	Ave	3.242	2.967		4.58	5.00	-8.5	30.0
1-Bromo-2-chloroethane	Ave	0.2142	0.2285		5.33	5.00	6.7	30.0
cis-1,3-Dichloropropene	Ave	0.3281	0.3432	0.2000	5.23	5.00	4.6	30.0
4-Methyl-2-pentanone (MIBK)	Ave	13.30	14.59	0.1000	68.5	62.5	9.7	30.0
Toluene	Ave	0.7876	0.8647	0.4000	5.49	5.00	9.8	30.0
trans-1,3-Dichloropropene	Ave	0.3621	0.3921	0.1000	5.41	5.00	8.3	30.0
Ethyl methacrylate	Ave	0.2905	0.3025		5.21	5.00	4.1	30.0
1,1,2-Trichloroethane	Ave	0.1994	0.2081	0.1000	5.22	5.00	4.3	30.0
Tetrachloroethene	Ave	0.3555	0.4003	0.2000	5.63	5.00	12.6	30.0
1,3-Dichloropropane	Ave	0.3498	0.3756		5.37	5.00	7.4	30.0
2-Hexanone	Ave	8.521	10.06	0.1000	73.8	62.5	18.0	30.0
Dibromochloromethane	Ave	0.2371	0.2655		5.60	5.00	12.0	30.0
1,2-Dibromoethane (EDB)	Ave	0.1819	0.1954	0.1000	5.37	5.00	7.5	30.0
1-Chlorohexane	Ave	0.4471	0.4651		5.20	5.00	4.0	30.0
Chlorobenzene	Ave	0.8488	0.9454	0.5000	5.57	5.00	11.4	30.0
1,1,1,2-Tetrachloroethane	Ave	0.2945	0.3257		5.53	5.00	10.6	30.0
Ethylbenzene	Ave	1.530	1.705	0.1000	5.57	5.00	11.5	30.0
m&p-Xylene	Ave	0.5921	0.6591	0.1000	11.1	10.0	11.3	30.0
o-Xylene	Ave	0.5758	0.6377	0.3000	5.54	5.00	10.7	30.0
Styrene	Ave	0.9347	1.028	0.3000	5.50	5.00	10.0	30.0
Bromoform	Ave	0.1317	0.1490	0.1000	5.65	5.00	13.1	30.0
Isopropylbenzene	Ave	1.358	1.723	0.1000	6.34	5.00	26.9	30.0
1,1,2,2-Tetrachloroethane	Ave	0.4378	0.4540	0.3000	5.18	5.00	3.7	30.0
Bromobenzene	Ave	0.6336	0.6725		5.31	5.00	6.1	30.0
trans-1,4-Dichloro-2-butene	Ave	4.476	4.837		27.0	25.0	8.1	30.0
1,2,3-Trichloropropane	Ave	0.1064	0.1139		5.36	5.00	7.1	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-198585-1

SDG No.:

Lab Sample ID: ICV 410-562891/21

Calibration Date: 10/15/2024 00:42

Instrument ID: 19094

Calib Start Date: 10/14/2024 21:54

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

Calib End Date: 10/15/2024 00:00

Lab File ID: HC14X20.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	3.193	3.577		5.60	5.00	12.0	30.0
2-Chlorotoluene	Ave	0.6265	0.6942		5.54	5.00	10.8	30.0
1,3,5-Trimethylbenzene	Ave	2.248	2.555		5.68	5.00	13.7	30.0
4-Chlorotoluene	Ave	0.6420	0.7012		5.46	5.00	9.2	30.0
tert-Butylbenzene	Ave	0.5118	0.5585		5.46	5.00	9.1	30.0
Pentachloroethane	Ave	0.4062	0.4173		5.14	5.00	2.7	30.0
1,2,4-Trimethylbenzene	Ave	2.292	2.540		5.54	5.00	10.8	30.0
sec-Butylbenzene	Ave	2.870	3.227		5.62	5.00	12.5	30.0
1,3-Dichlorobenzene	Ave	1.245	1.360	0.6000	5.46	5.00	9.2	30.0
p-Isopropyltoluene	Ave	2.519	2.818		5.59	5.00	11.9	30.0
1,4-Dichlorobenzene	Ave	1.271	1.359	0.5000	5.35	5.00	7.0	30.0
1,2,3-Trimethylbenzene	Ave	1.035	1.090		5.27	5.00	5.3	30.0
Benzyl chloride	Ave	0.1768	0.1885		5.33	5.00	6.6	30.0
n-Butylbenzene	Ave	1.163	1.316		5.66	5.00	13.2	30.0
1,2-Dichlorobenzene	Ave	1.111	1.237	0.4000	5.57	5.00	11.4	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.0580	0.0621	0.0500	5.36	5.00	7.2	30.0
1,3,5-Trichlorobenzene	Ave	0.9239	1.039		5.62	5.00	12.4	30.0
1,2,4-Trichlorobenzene	Ave	0.7934	0.8878	0.2000	5.60	5.00	11.9	30.0
Hexachlorobutadiene	Ave	0.3205	0.3663		5.71	5.00	14.3	30.0
Naphthalene	Ave	1.369	1.485		5.42	5.00	8.5	30.0
1,2,3-Trichlorobenzene	Ave	0.6874	0.7511		5.46	5.00	9.3	30.0
Dibromofluoromethane (Surr)	Ave	0.2333	0.2331		9.99	10.0	-0.1	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0474	0.0476		10.0	10.0	0.3	30.0
Toluene-d8 (Surr)	Ave	1.371	1.369		9.99	10.0	-0.0	30.0
4-Bromofluorobenzene (Surr)	Ave	0.4915	0.4912		9.99	10.0	-0.0	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X20.D
 Lims ID: ICV
 Client ID:
 Sample Type: ICV
 Inject. Date: 15-Oct-2024 00:42:30 ALS Bottle#: 20 Worklist Smp#: 21
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0127661-021
 Misc. Info.: ICV
 Operator ID: gaw91131 Instrument ID: 19094
 Sublist:
 Method: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\MSV_19094_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 17-Oct-2024 09:46:02 Calib Date: 15-Oct-2024 00:00:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1693

First Level Reviewer: DVW2

Date: 15-Oct-2024 08:20:15

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.849	1.843	0.006	99	189300	5.00	4.08	
5 Chloromethane	50	2.032	2.026	0.006	98	290785	5.00	4.21	
7 Butadiene	39	2.135	2.129	0.006	94	263789	5.00	4.13	
6 Vinyl chloride	62	2.148	2.135	0.013	98	256439	5.00	4.31	
9 Bromomethane	94	2.452	2.440	0.012	91	200333	5.00	4.68	
10 Chloroethane	64	2.513	2.507	0.006	100	171489	5.00	4.48	
11 Dichlorofluoromethane	67	2.733	2.727	0.006	97	436621	5.00	4.45	
12 Trichlorofluoromethane	101	2.812	2.806	0.006	98	284337	5.00	4.35	
14 Ethyl ether	59	3.019	3.007	0.012	92	168979	4.98	5.26	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.093	3.093	-0.001	94	230833	5.00	4.19	
16 Acrolein	56	3.178	3.160	0.018	100	193625	37.6	42.3	
17 1,1-Dichloroethene	96	3.306	3.294	0.012	98	222755	5.00	6.04	
19 Acetone	43	3.336	3.318	0.018	100	336117	62.5	63.1	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.342	3.330	0.012	91	191607	5.00	5.60	
21 Iodomethane	142	3.489	3.477	0.012	99	387939	5.00	5.14	
22 Ethyl bromide	108	3.507	3.501	0.006	98	204358	4.72	5.71	
23 Carbon disulfide	76	3.592	3.580	0.012	99	625061	5.00	5.34	
24 Methyl acetate	43	3.720	3.702	0.018	97	72244	5.00	4.95	
26 3-Chloro-1-propene	41	3.739	3.733	0.006	93	401058	5.00	5.18	
27 Methylene Chloride	84	3.909	3.897	0.012	94	238185	5.00	5.39	
* 28 t-Butyl alcohol-d10 (IS)	65	3.922	3.903	0.019	99	95664	50.0	50.0	
29 2-Methyl-2-propanol	59	4.025	4.013	0.012	93	92955	50.0	56.5	
31 Acrylonitrile	53	4.220	4.214	0.006	99	201795	25.0	28.9	
32 Methyl tert-butyl ether	73	4.287	4.275	0.012	96	509997	5.00	4.97	
33 trans-1,2-Dichloroethene	96	4.300	4.294	0.006	98	247898	5.00	5.76	
34 Hexane	57	4.720	4.714	0.006	93	287813	5.00	5.03	
36 1,1-Dichloroethane	63	4.952	4.946	0.006	96	479931	5.00	5.67	
37 Isopropyl ether	45	5.013	5.001	0.012	95	796359	5.00	5.20	
38 2-Chloro-1,3-butadiene	53	5.068	5.062	0.006	90	374991	5.00	5.33	
40 Tert-butyl ethyl ether	59	5.555	5.549	0.006	99	714722	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
41 2-Butanone (MEK)	43	5.757	5.751	0.006	100	674435	62.5	72.9	
42 cis-1,2-Dichloroethene	96	5.799	5.793	0.006	83	273904	5.00	5.45	
43 2,2-Dichloropropane	77	5.811	5.805	0.006	86	381698	5.00	5.44	
44 Propionitrile	54	5.866	5.836	0.030	97	88472	37.5	35.3	
47 Methacrylonitrile	67	6.055	6.055	0.000	92	415242	37.5	41.2	
48 Chlorobromomethane	128	6.135	6.129	0.006	95	110395	5.00	5.41	
49 Tetrahydrofuran	71	6.147	6.141	0.006	86	72739	25.0	28.0	
50 Chloroform	83	6.293	6.281	0.012	93	434008	5.00	5.46	
\$ 52 Dibromofluoromethane (Surr)	113	6.506	6.500	0.006	94	493875	10.0	10.0	
53 1,1,1-Trichloroethane	97	6.519	6.513	0.006	98	383718	5.00	5.67	
54 Cyclohexane	56	6.622	6.622	0.000	92	402305	5.00	5.46	
56 Carbon tetrachloride	117	6.738	6.732	0.006	93	330219	5.00	5.85	
55 1,1-Dichloropropene	75	6.738	6.732	0.006	95	346563	5.00	5.46	
57 Isobutyl alcohol	41	6.891	6.885	0.006	94	75245	125.0	124.0	
\$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.964	6.964	0.000	93	100892	10.0	10.0	
59 Benzene	78	7.000	6.994	0.006	97	1065588	5.00	5.46	
60 1,2-Dichloroethane	62	7.067	7.067	0.000	97	240092	5.00	5.24	
63 Tert-amyl methyl ether	73	7.201	7.195	0.006	98	589826	5.00	5.09	
* 64 Fluorobenzene (IS)	96	7.409	7.409	0.000	98	2119076	10.0	10.0	
65 n-Heptane	43	7.433	7.427	0.006	94	298589	5.00	5.31	
67 n-Butanol	56	7.799	7.787	0.012	88	114254	250.0	271.6	
68 Trichloroethene	95	7.903	7.897	0.006	98	267958	5.00	5.49	
69 Methylcyclohexane	83	8.220	8.214	0.006	92	390679	5.00	5.55	
70 1,2-Dichloropropane	63	8.238	8.232	0.006	97	269093	5.00	5.44	
71 2-ethoxy-2-methyl butane	87	8.256	8.250	0.006	92	382537	5.00	5.22	
73 1,4-Dioxane	88	8.348	8.329	0.019	31	13388	125.0	178.7	
72 Methyl methacrylate	69	8.329	8.329	0.000	92	106134	5.00	5.58	
74 Dibromomethane	93	8.348	8.348	0.000	94	110924	5.00	5.36	
76 Dichlorobromomethane	83	8.585	8.585	0.000	99	298358	5.00	5.43	
77 2-Nitropropane	41	8.854	8.854	0.000	98	28388	5.00	4.58	
79 1-Bromo-2-chloroethane	63	8.988	8.988	0.000	99	242061	5.00	5.33	
80 cis-1,3-Dichloropropene	75	9.152	9.152	0.000	95	363588	5.00	5.23	
82 4-Methyl-2-pentanone (MIBK)	43	9.335	9.335	0.000	97	1744514	62.5	68.5	
\$ 83 Toluene-d8 (Surr)	98	9.482	9.475	0.007	93	2078559	10.0	10.0	
84 Toluene	92	9.561	9.561	0.000	98	656238	5.00	5.49	
85 trans-1,3-Dichloropropene	75	9.835	9.835	0.000	94	297602	5.00	5.41	
104 Ethyl methacrylate	69	9.908	9.902	0.006	90	229540	5.00	5.21	
106 1,1,2-Trichloroethane	97	10.042	10.042	0.000	90	157894	5.00	5.22	
107 Tetrachloroethene	166	10.134	10.134	0.000	98	303790	5.00	5.63	
108 1,3-Dichloropropane	76	10.213	10.213	0.000	92	285028	5.00	5.37	
109 2-Hexanone	43	10.268	10.268	0.000	97	1202468	62.5	73.8	
111 Chlorodibromomethane	129	10.433	10.433	0.000	90	201497	5.00	5.60	
112 Ethylene Dibromide	107	10.548	10.548	0.000	98	148299	5.00	5.37	
* 113 Chlorobenzene-d5 (IS)	117	10.993	10.993	0.000	86	1517805	10.0	10.0	
114 1-Chlorohexane	91	11.006	11.006	0.000	98	352987	5.00	5.20	
115 Chlorobenzene	112	11.018	11.018	0.000	94	717498	5.00	5.57	
116 1,1,1,2-Tetrachloroethane	131	11.103	11.103	0.000	96	247207	5.00	5.53	
117 Ethylbenzene	91	11.109	11.109	0.000	99	1293987	5.00	5.57	
119 m-Xylene & p-Xylene	106	11.231	11.225	0.006	99	1000360	10.0	11.1	
120 o-Xylene	106	11.560	11.560	0.000	97	483965	5.00	5.54	
121 Styrene	104	11.579	11.579	0.000	94	780452	5.00	5.50	
122 Bromoform	173	11.737	11.737	0.000	98	113048	5.00	5.65	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
123 Isopropylbenzene	105	11.871	11.871	0.000	96	1307798	5.00	6.34	
\$ 126 4-Bromofluorobenzene (Surr)	95	12.018	12.012	0.006	92	745510	10.0	10.0	
127 1,1,2,2-Tetrachloroethane	83	12.115	12.115	0.000	93	193701	5.00	5.18	M
128 Bromobenzene	156	12.133	12.134	-0.001	97	286949	5.00	5.31	
129 trans-1,4-Dichloro-2-butene	53	12.146	12.140	0.006	90	231373	25.0	27.0	
130 1,2,3-Trichloropropane	110	12.164	12.164	0.000	82	48612	5.00	5.36	
131 N-Propylbenzene	91	12.200	12.201	-0.001	99	1526349	5.00	5.60	
132 2-Chlorotoluene	126	12.280	12.280	0.000	96	296182	5.00	5.54	
133 1,3,5-Trimethylbenzene	105	12.341	12.341	0.000	94	1090364	5.00	5.68	
134 4-Chlorotoluene	126	12.371	12.371	0.000	98	299191	5.00	5.46	
135 tert-Butylbenzene	134	12.585	12.585	0.000	93	238307	5.00	5.46	
136 Pentachloroethane	167	12.615	12.615	0.000	90	178055	5.00	5.14	
137 1,2,4-Trimethylbenzene	105	12.627	12.627	0.000	97	1083921	5.00	5.54	
138 sec-Butylbenzene	105	12.749	12.749	0.000	94	1376946	5.00	5.62	
139 1,3-Dichlorobenzene	146	12.847	12.847	0.000	98	580165	5.00	5.46	
140 4-Isopropyltoluene	119	12.859	12.859	0.000	98	1202435	5.00	5.59	
* 141 1,4-Dichlorobenzene-d4	152	12.908	12.908	0.000	93	853365	10.0	10.0	
142 1,4-Dichlorobenzene	146	12.926	12.926	0.000	96	579785	5.00	5.35	
143 1,2,3-Trimethylbenzene	120	12.932	12.932	0.000	98	465112	5.00	5.27	
144 Benzyl chloride	126	13.005	12.999	0.006	98	80430	5.00	5.33	
145 p-Diethylbenzene	119	13.133	13.133	0.000	96	721477	5.00	5.58	
146 n-Butylbenzene	92	13.158	13.158	0.000	98	561713	5.00	5.66	
147 1,2-Dichlorobenzene	146	13.182	13.182	0.000	99	528000	5.00	5.57	
149 1,2-Dibromo-3-Chloropropane	155	13.731	13.731	0.000	87	26505	5.00	5.36	
150 1,3,5-Trichlorobenzene	180	13.859	13.859	0.000	97	443136	5.00	5.62	
151 1,2,4-Trichlorobenzene	180	14.285	14.286	-0.001	94	378821	5.00	5.60	
152 Hexachlorobutadiene	225	14.365	14.371	-0.006	95	156286	5.00	5.71	
153 Naphthalene	128	14.462	14.462	0.000	97	633680	5.00	5.42	
154 1,2,3-Trichlorobenzene	180	14.609	14.603	0.006	96	320473	5.00	5.46	
157 Pentane	43		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

MSV_LCS_VOC#1_00189	Amount Added: 12.50	Units: uL	
MSV_LCS_Penta_00047	Amount Added: 12.50	Units: uL	
MSV_QC_Gas826_00226	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_00193	Amount Added: 12.50	Units: uL	
MSV_LLcentISS_00014	Amount Added: 5.00	Units: uL	Run Reagent

Report Date: 17-Oct-2024 09:46:10

Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X20.D

Injection Date: 15-Oct-2024 00:42:30

Instrument ID: 19094

Operator ID: gaw91131

Lims ID: ICV

Worklist Smp#: 21

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

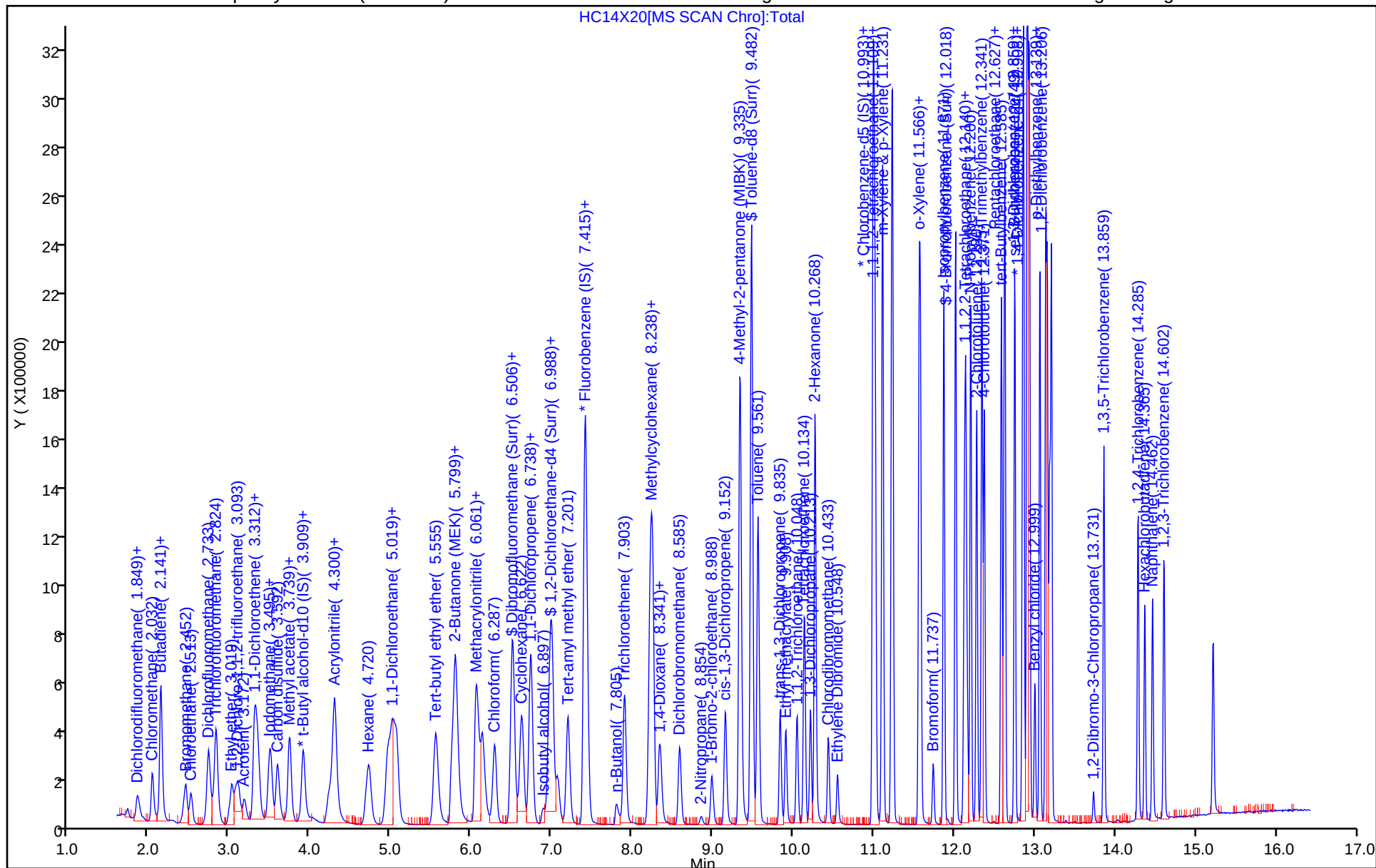
ALS Bottle#: 20

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



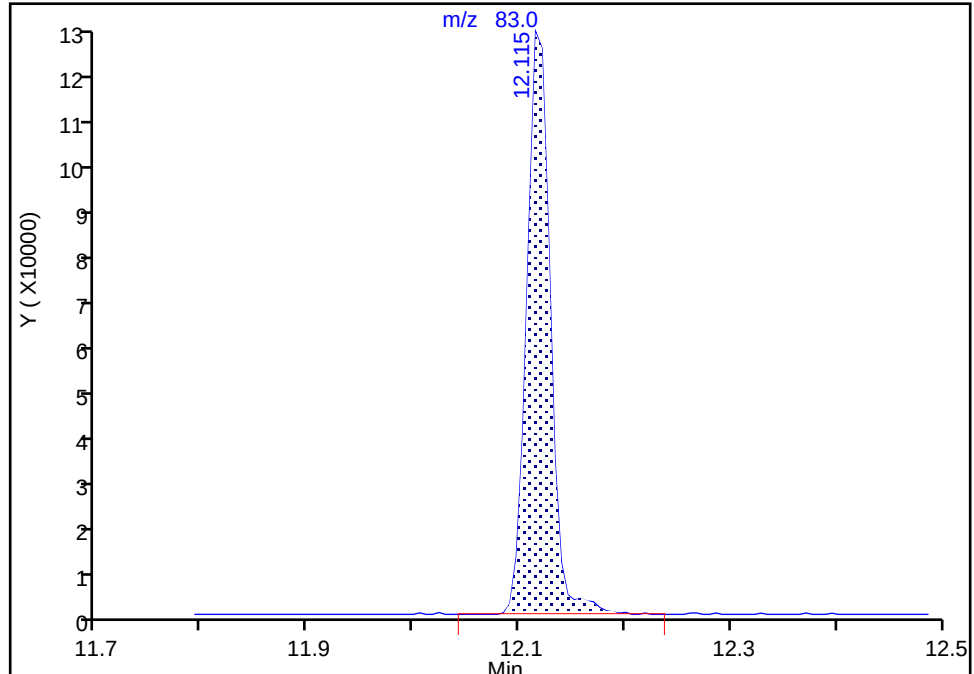
Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X20.D
Injection Date: 15-Oct-2024 00:42:30 Instrument ID: 19094
Lims ID: ICV
Client ID:
Operator ID: gaw91131 ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

127 1,1,2,2-Tetrachloroethane, CAS: 79-34-5
Signal: 1

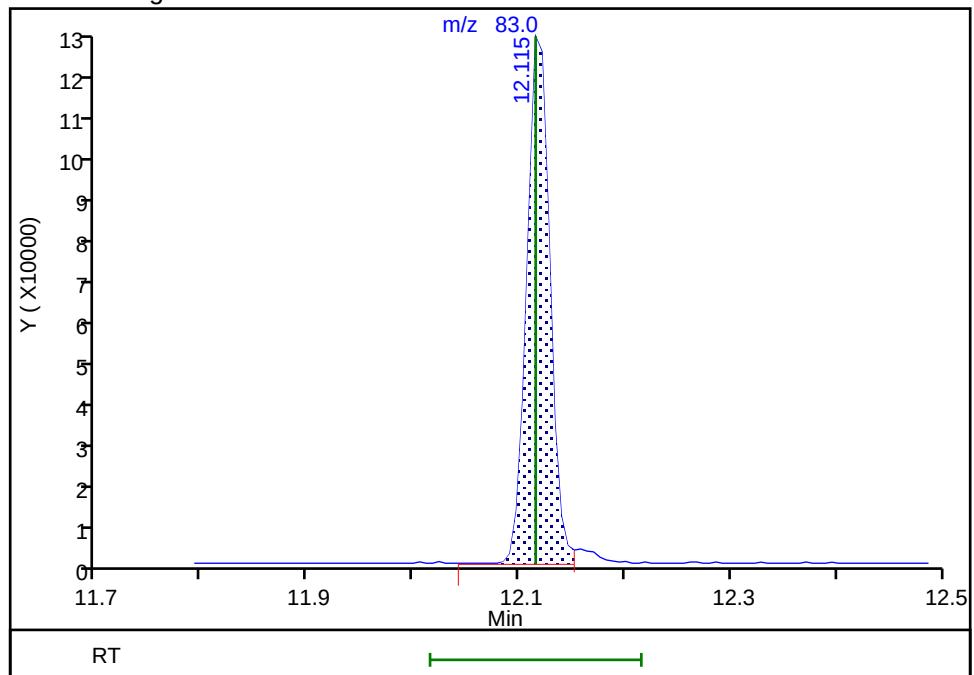
RT: 12.12
Area: 198449
Amount: 5.311672
Amount Units: ug/l

Processing Integration Results



RT: 12.12
Area: 193701
Amount: 5.184588
Amount Units: ug/l

Manual Integration Results



Reviewer: UKEK, 17-Oct-2024 08:55:37 -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.: 410-198585-1

SDG No.:

Lab Sample ID: CCVIS 410-581872/3

Calibration Date: 12/04/2024 09:50

Instrument ID: 19094

Calib Start Date: 10/14/2024 21:54

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

Calib End Date: 10/15/2024 00:00

Lab File ID: HD04X02.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	0.2187	0.2573	0.1000	14.7	12.5	17.7	20.0
Chloromethane	Ave	0.3263	0.3438	0.1000	13.2	12.5	5.4	20.0
1,3-Butadiene	Ave	0.3016	0.4432		18.4	12.5	46.9*	20.0
Vinyl chloride	Ave	0.2808	0.3098	0.1000	13.8	12.5	10.3	20.0
Bromomethane	Ave	0.2020	0.2119	0.1000	13.1	12.5	4.9	20.0
Chloroethane	Ave	0.1807	0.1929	0.1000	13.3	12.5	6.8	20.0
Dichlorofluoromethane	Ave	0.4627	0.5157		13.9	12.5	11.5	20.0
Trichlorofluoromethane	Ave	0.3088	0.3687	0.1000	14.9	12.5	19.4	20.0
Ethyl ether	Ave	0.1516	0.1606		13.2	12.5	5.9	20.0
Freon 123a	Ave	0.2602	0.2978		14.3	12.5	14.4	20.0
Acrolein	Ave	2.394	2.285		582	610	-4.6	20.0
1,1-Dichloroethene	Ave	0.1740	0.1954	0.1000	14.0	12.5	12.3	20.0
Acetone	Ave	2.783	2.473	0.1000	111	125	-11.2	20.0
Freon 113	Ave	0.1613	0.2134	0.1000	16.5	12.5	32.3*	20.0
Methyl iodide	Ave	0.3560	0.3873		13.6	12.5	8.8	20.0
Ethyl bromide	Ave	0.1690	0.1683		12.5	12.5	-0.4	20.0
Carbon disulfide	Ave	0.5525	0.6432	0.1000	14.6	12.5	16.4	20.0
Methyl acetate	Ave	7.629	9.500	0.1000	15.6	12.5	24.5*	20.0
Allyl chloride	Ave	0.3651	0.4249		14.5	12.5	16.4	20.0
Methylene Chloride	Ave	0.2085	0.2196	0.1000	13.2	12.5	5.3	20.0
t-Butyl alcohol	Ave	0.8600	0.6649		193	250	-22.7*	20.0
Acrylonitrile	Ave	3.649	3.644		31.2	31.3	-0.1	20.0
Methyl tert-butyl ether	Ave	0.4845	0.5062	0.1000	13.1	12.5	4.5	20.0
trans-1,2-Dichloroethene	Ave	0.2032	0.2249	0.1000	13.8	12.5	10.7	20.0
n-Hexane	Ave	0.2699	0.3639		16.9	12.5	34.8*	20.0
1,1-Dichloroethane	Ave	0.3991	0.4667	0.2000	14.6	12.5	16.9	20.0
di-Isopropyl ether	Ave	0.7233	0.8371		14.5	12.5	15.7	20.0
2-Chloro-1,3-butadiene	Ave	0.3319	0.3987		15.0	12.5	20.1*	20.0
Ethyl t-butyl ether	Ave	0.6585	0.7124		13.5	12.5	8.2	20.0
2-Butanone (MEK)	Ave	4.834	4.823	0.1000	125	125	-0.2	20.0
cis-1,2-Dichloroethene	Ave	0.2372	0.2572	0.1000	13.6	12.5	8.5	20.0
2,2-Dichloropropane	Ave	0.3314	0.3872		14.6	12.5	16.8	20.0
Propionitrile	Ave	1.311	1.216		232	250	-7.2	20.0
Methacrylonitrile	Ave	5.271	4.984		118	125	-5.4	20.0
Bromochloromethane	Ave	0.0963	0.1021		13.3	12.5	6.0	20.0
Tetrahydrofuran	Ave	1.357	1.283		59.1	62.5	-5.5	20.0
Chloroform	Ave	0.3752	0.4228	0.2000	14.1	12.5	12.7	20.0
1,1,1-Trichloroethane	Ave	0.3193	0.3674	0.1000	14.4	12.5	15.1	20.0
Cyclohexane	Ave	0.3480	0.4555	0.1000	16.4	12.5	30.9*	20.0
1,1-Dichloropropene	Ave	0.2995	0.3602		15.0	12.5	20.3*	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-198585-1

SDG No.: _____

Lab Sample ID: CCVIS 410-581872/3

Calibration Date: 12/04/2024 09:50

Instrument ID: 19094

Calib Start Date: 10/14/2024 21:54

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

Calib End Date: 10/15/2024 00:00

Lab File ID: HD04X02.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	0.2662	0.3236	0.1000	15.2	12.5	21.6*	20.0
Isobutyl alcohol	Ave	0.3172	0.2829		558	625	-10.8	20.0
Benzene	Ave	0.9212	1.018	0.5000	13.8	12.5	10.5	20.0
1,2-Dichloroethane	Ave	0.2163	0.2529	0.1000	14.6	12.5	16.9	20.0
t-Amyl methyl ether	Ave	0.5463	0.5915		13.5	12.5	8.3	20.0
n-Heptane	Ave	0.2655	0.3664		17.3	12.5	38.0*	20.0
n-Butanol	Ave	0.2199	0.2291		1140	1090	4.2	20.0
Trichloroethene	Ave	0.2303	0.2631	0.2000	14.3	12.5	14.3	20.0
Methylcyclohexane	Ave	0.3321	0.4408	0.1000	16.6	12.5	32.8*	20.0
1,2-Dichloropropane	Ave	0.2332	0.2742	0.1000	14.7	12.5	17.6	20.0
1,4-Dioxane	Ave	0.0392	0.0482	0.0050	770	625	23.2*	20.0
Methyl methacrylate	Ave	9.950	10.48		13.2	12.5	5.3	20.0
Dibromomethane	Ave	0.0976	0.1090		14.0	12.5	11.6	20.0
Bromodichloromethane	Ave	0.2595	0.2996	0.2000	14.4	12.5	15.4	20.0
2-Nitropropane	Ave	3.242	2.905		56.0	62.5	-10.4	20.0
1-Bromo-2-chloroethane	Ave	0.2142	0.2457		14.3	12.5	14.7	20.0
cis-1,3-Dichloropropene	Ave	0.3281	0.3848	0.2000	14.7	12.5	17.3	20.0
4-Methyl-2-pentanone (MIBK)	Ave	13.30	14.38	0.1000	135	125	8.1	20.0
Toluene	Ave	0.7876	0.7562	0.4000	12.0	12.5	-4.0	20.0
trans-1,3-Dichloropropene	Ave	0.3621	0.3599	0.1000	12.4	12.5	-0.6	20.0
Ethyl methacrylate	Ave	0.2905	0.2732		11.8	12.5	-6.0	20.0
1,1,2-Trichloroethane	Ave	0.1994	0.1818	0.1000	11.4	12.5	-8.8	20.0
Tetrachloroethene	Ave	0.3555	0.3465	0.2000	12.2	12.5	-2.5	20.0
1,3-Dichloropropane	Ave	0.3498	0.3431		12.3	12.5	-1.9	20.0
2-Hexanone	Ave	8.521	9.880	0.1000	145	125	15.9	20.0
Dibromochloromethane	Ave	0.2371	0.2367		12.5	12.5	-0.1	20.0
1,2-Dibromoethane (EDB)	Ave	0.1819	0.1739	0.1000	12.0	12.5	-4.4	20.0
1-Chlorohexane	Ave	0.4471	0.4371		12.2	12.5	-2.2	20.0
Chlorobenzene	Ave	0.8488	0.8146	0.5000	12.0	12.5	-4.0	20.0
1,1,1,2-Tetrachloroethane	Ave	0.2945	0.2813		11.9	12.5	-4.5	20.0
Ethylbenzene	Ave	1.530	1.526	0.1000	12.5	12.5	-0.2	20.0
m&p-Xylene	Ave	0.5921	0.5816	0.1000	24.6	25.0	-1.8	20.0
o-Xylene	Ave	0.5758	0.5554	0.3000	12.1	12.5	-3.6	20.0
Styrene	Ave	0.9347	0.9013	0.3000	12.1	12.5	-3.6	20.0
Bromoform	Ave	0.1317	0.1336	0.1000	12.7	12.5	1.4	20.0
Isopropylbenzene	Ave	1.358	1.344	0.1000	12.4	12.5	-1.0	20.0
1,1,2,2-Tetrachloroethane	Ave	0.4378	0.3981	0.3000	11.4	12.5	-9.1	20.0
Bromobenzene	Ave	0.6336	0.5713		11.3	12.5	-9.8	20.0
trans-1,4-Dichloro-2-butene	Ave	4.476	4.435		124	125	-0.9	20.0
1,2,3-Trichloropropane	Ave	0.1064	0.0993		11.7	12.5	-6.6	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-198585-1
Environment Testing, LLC

SDG No.: _____

Lab Sample ID: CCVIS 410-581872/3 Calibration Date: 12/04/2024 09:50
Instrument ID: 19094 Calib Start Date: 10/14/2024 21:54
GC Column: R-624SilMS 30m ID: 0.25 (mm) Calib End Date: 10/15/2024 00:00
Lab File ID: HD04X02.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	3.193	3.229		12.6	12.5	1.1	20.0
2-Chlorotoluene	Ave	0.6265	0.6020		12.0	12.5	-3.9	20.0
1,3,5-Trimethylbenzene	Ave	2.248	2.200		12.2	12.5	-2.1	20.0
4-Chlorotoluene	Ave	0.6420	0.6207		12.1	12.5	-3.3	20.0
tert-Butylbenzene	Ave	0.5118	0.4952		12.1	12.5	-3.2	20.0
Pentachloroethane	Ave	0.4062	0.3436		10.6	12.5	-15.4	20.0
1,2,4-Trimethylbenzene	Ave	2.292	2.233		12.2	12.5	-2.6	20.0
sec-Butylbenzene	Ave	2.870	2.854		12.4	12.5	-0.6	20.0
1,3-Dichlorobenzene	Ave	1.245	1.169	0.6000	11.7	12.5	-6.1	20.0
p-Isopropyltoluene	Ave	2.519	2.454		12.2	12.5	-2.6	20.0
1,4-Dichlorobenzene	Ave	1.271	1.163	0.5000	11.4	12.5	-8.5	20.0
1,2,3-Trimethylbenzene	Ave	1.035	0.9442		11.4	12.5	-8.8	20.0
Benzyl chloride	Ave	0.1768	0.1674		11.8	12.5	-5.3	20.0
n-Butylbenzene	Ave	1.163	1.204		12.9	12.5	3.5	20.0
1,2-Dichlorobenzene	Ave	1.111	1.034	0.4000	11.6	12.5	-6.9	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.0580	0.0508	0.0500	10.9	12.5	-12.4	20.0
1,3,5-Trichlorobenzene	Ave	0.9239	0.8515		11.5	12.5	-7.8	20.0
1,2,4-Trichlorobenzene	Ave	0.7934	0.7172	0.2000	11.3	12.5	-9.6	20.0
Hexachlorobutadiene	Ave	0.3205	0.2902		11.3	12.5	-9.5	20.0
Naphthalene	Ave	1.369	1.195		10.9	12.5	-12.7	20.0
1,2,3-Trichlorobenzene	Ave	0.6874	0.6079		11.1	12.5	-11.6	20.0
Dibromofluoromethane (Surr)	Ave	0.2333	0.2477		10.6	10.0	6.2	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0474	0.0469		9.89	10.0	-1.1	20.0
Toluene-d8 (Surr)	Ave	1.371	1.309		9.55	10.0	-4.5	20.0
4-Bromofluorobenzene (Surr)	Ave	0.4915	0.5095		10.4	10.0	3.7	20.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20241204-132298.b\HD04X02.D
 Lims ID: CCVIS VSTD12.5
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 04-Dec-2024 09:50:30 ALS Bottle#: 2 Worklist Smp#: 3
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0132298-003
 Misc. Info.: CCVIS VSTD12.5
 Operator ID: ecr105096 Instrument ID: 19094
 Sublist: chrom-MSV_19094_25mL*sub1
 Method: \\chromfs\Lancaster\ChromData\19094\20241204-132298.b\MSV_19094_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 04-Dec-2024 13:03:36 Calib Date: 15-Oct-2024 00:00:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1623

First Level Reviewer: N7YK

Date: 04-Dec-2024 10:15:03

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.855	1.855	0.000	99	809248	12.5	14.7	
5 Chloromethane	50	2.038	2.038	0.000	99	1081246	12.5	13.2	
7 Butadiene	39	2.135	2.135	0.000	94	1393661	12.5	18.4	
6 Vinyl chloride	62	2.148	2.148	0.000	98	974218	12.5	13.8	
9 Bromomethane	94	2.459	2.459	0.000	91	666304	12.5	13.1	
10 Chloroethane	64	2.507	2.507	0.000	100	606724	12.5	13.3	
11 Dichlorofluoromethane	67	2.727	2.727	0.000	97	1621567	12.5	13.9	
12 Trichlorofluoromethane	101	2.818	2.818	0.000	97	1159526	12.5	14.9	
14 Ethyl ether	59	3.025	3.025	0.000	94	505002	12.5	13.2	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.093	3.093	0.000	96	936357	12.5	14.3	
16 Acrolein	56	3.172	3.172	0.000	99	3524473	609.9	582.1	
17 1,1-Dichloroethene	96	3.306	3.306	0.000	95	614569	12.5	14.0	
19 Acetone	43	3.336	3.336	0.000	73	781591	125.0	111.1	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.342	3.342	0.000	93	671161	12.5	16.5	
21 Iodomethane	142	3.489	3.489	0.000	99	1217792	12.5	13.6	
22 Ethyl bromide	108	3.513	3.513	0.000	98	530129	12.5	12.5	
23 Carbon disulfide	76	3.592	3.592	0.000	99	2022508	12.5	14.6	
24 Methyl acetate	43	3.720	3.720	0.000	38	300251	12.5	15.6	
26 3-Chloro-1-propene	41	3.739	3.739	0.000	92	1336196	12.5	14.5	
* 28 t-Butyl alcohol-d10 (IS)	65	3.903	3.903	0.000	31	126427	50.0	50.0	
27 Methylene Chloride	84	3.909	3.909	0.000	97	690509	12.5	13.2	
29 2-Methyl-2-propanol	59	4.031	4.031	0.000	99	420316	250.0	193.3	
31 Acrylonitrile	53	4.226	4.226	0.000	98	287965	31.3	31.2	
32 Methyl tert-butyl ether	73	4.281	4.281	0.000	96	1591853	12.5	13.1	
33 trans-1,2-Dichloroethene	96	4.306	4.306	0.000	97	707349	12.5	13.8	
34 Hexane	57	4.726	4.726	0.000	94	1144480	12.5	16.9	
36 1,1-Dichloroethane	63	4.964	4.964	0.000	96	1467655	12.5	14.6	
37 Isopropyl ether	45	5.019	5.019	0.000	95	2632298	12.5	14.5	
38 2-Chloro-1,3-butadiene	53	5.068	5.068	0.000	91	1253737	12.5	15.0	
40 Tert-butyl ethyl ether	59	5.562	5.562	0.000	98	2240134	12.5	13.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
41 2-Butanone (MEK)	43	5.751	5.751	0.000	100	1524504	125.0	124.7	
42 cis-1,2-Dichloroethene	96	5.799	5.799	0.000	85	808840	12.5	13.6	
43 2,2-Dichloropropane	77	5.812	5.812	0.000	90	1217464	12.5	14.6	
44 Propionitrile	54	5.842	5.842	0.000	99	768600	250.0	231.9	
47 Methacrylonitrile	67	6.055	6.055	0.000	94	1575417	125.0	118.2	
48 Chlorobromomethane	128	6.141	6.141	0.000	97	321154	12.5	13.3	
49 Tetrahydrofuran	71	6.147	6.147	0.000	80	202727	62.5	59.1	
50 Chloroform	83	6.293	6.293	0.000	94	1329427	12.5	14.1	
\$ 52 Dibromofluoromethane (Surr)	113	6.506	6.506	0.000	94	623094	10.0	10.6	
53 1,1,1-Trichloroethane	97	6.519	6.519	0.000	99	1155364	12.5	14.4	
54 Cyclohexane	56	6.622	6.622	0.000	93	1432293	12.5	16.4	
56 Carbon tetrachloride	117	6.738	6.738	0.000	89	1017637	12.5	15.2	
55 1,1-Dichloropropene	75	6.738	6.738	0.000	95	1132557	12.5	15.0	
57 Isobutyl alcohol	41	6.891	6.891	0.000	96	447147	625.0	557.5	
\$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.958	6.958	0.000	81	118057	10.0	9.89	
59 Benzene	78	7.000	7.000	0.000	98	3199762	12.5	13.8	
60 1,2-Dichloroethane	62	7.067	7.067	0.000	97	795407	12.5	14.6	
63 Tert-amyl methyl ether	73	7.201	7.201	0.000	98	1860112	12.5	13.5	
* 64 Fluorobenzene (IS)	96	7.415	7.415	0.000	98	2515740	10.0	10.0	
65 n-Heptane	43	7.433	7.433	0.000	94	1152350	12.5	17.3	
67 n-Butanol	56	7.793	7.793	0.000	89	633548	1093.8	1139.4	
68 Trichloroethene	95	7.903	7.903	0.000	98	827404	12.5	14.3	
69 Methylcyclohexane	83	8.220	8.220	0.000	92	1386232	12.5	16.6	
70 1,2-Dichloropropane	63	8.238	8.238	0.000	86	862260	12.5	14.7	
71 2-ethoxy-2-methyl butane	87	8.256	8.256	0.000	92	1214080	12.5	13.9	
72 Methyl methacrylate	69	8.335	8.335	0.000	92	331180	12.5	13.2	
73 1,4-Dioxane	88	8.335	8.335	0.000	33	76239	625.0	769.9	
74 Dibromomethane	93	8.348	8.348	0.000	98	342647	12.5	14.0	
76 Dichlorobromomethane	83	8.591	8.591	0.000	99	942038	12.5	14.4	
77 2-Nitropropane	41	8.854	8.854	0.000	97	459126	62.5	56.0	
79 1-Bromo-2-chloroethane	63	8.988	8.988	0.000	99	772745	12.5	14.3	
80 cis-1,3-Dichloropropene	75	9.158	9.158	0.000	95	1210058	12.5	14.7	
82 4-Methyl-2-pentanone (MIBK)	43	9.341	9.341	0.000	98	4545880	125.0	135.1	
\$ 83 Toluene-d8 (Surr)	98	9.482	9.482	0.000	94	2781798	10.0	9.55	
84 Toluene	92	9.561	9.561	0.000	98	2009165	12.5	12.0	
85 trans-1,3-Dichloropropene	75	9.841	9.841	0.000	94	956209	12.5	12.4	
104 Ethyl methacrylate	69	9.908	9.908	0.000	91	725892	12.5	11.8	
106 1,1,2-Trichloroethane	97	10.048	10.048	0.000	91	483015	12.5	11.4	
107 Tetrachloroethene	166	10.140	10.140	0.000	98	920689	12.5	12.2	
108 1,3-Dichloropropane	76	10.213	10.213	0.000	92	911427	12.5	12.3	
109 2-Hexanone	43	10.274	10.274	0.000	98	3122839	125.0	144.9	
111 Chlorodibromomethane	129	10.439	10.439	0.000	90	628960	12.5	12.5	
112 Ethylene Dibromide	107	10.548	10.548	0.000	99	462137	12.5	12.0	
* 113 Chlorobenzene-d5 (IS)	117	10.993	10.993	0.000	87	2125402	10.0	10.0	
114 1-Chlorohexane	91	11.006	11.006	0.000	96	1161357	12.5	12.2	
115 Chlorobenzene	112	11.018	11.018	0.000	94	2164121	12.5	12.0	
116 1,1,1,2-Tetrachloroethane	131	11.109	11.109	0.000	96	747456	12.5	11.9	
117 Ethylbenzene	91	11.109	11.109	0.000	99	4054837	12.5	12.5	
119 m-Xylene & p-Xylene	106	11.231	11.231	0.000	100	3090147	25.0	24.6	
120 o-Xylene	106	11.566	11.566	0.000	97	1475490	12.5	12.1	
121 Styrene	104	11.579	11.579	0.000	95	2394478	12.5	12.1	
122 Bromoform	173	11.737	11.737	0.000	97	354936	12.5	12.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
123 Isopropylbenzene	105	11.871	11.871	0.000	96	3571980	12.5	12.4	
\$ 126 4-Bromofluorobenzene (Surr)	95	12.018	12.018	0.000	90	1082849	10.0	10.4	
127 1,1,2,2-Tetrachloroethane	83	12.121	12.121	0.000	92	604084	12.5	11.4	
128 Bromobenzene	156	12.133	12.133	0.000	96	866766	12.5	11.3	
129 trans-1,4-Dichloro-2-butene	53	12.146	12.146	0.000	91	1401612	125.0	123.9	
130 1,2,3-Trichloropropane	110	12.164	12.164	0.000	81	150741	12.5	11.7	
131 N-Propylbenzene	91	12.207	12.207	0.000	99	4899251	12.5	12.6	
132 2-Chlorotoluene	126	12.280	12.280	0.000	96	913418	12.5	12.0	
133 1,3,5-Trimethylbenzene	105	12.341	12.341	0.000	94	3338156	12.5	12.2	
134 4-Chlorotoluene	126	12.371	12.371	0.000	98	941789	12.5	12.1	
135 tert-Butylbenzene	134	12.585	12.585	0.000	94	751313	12.5	12.1	
136 Pentachloroethane	167	12.615	12.615	0.000	95	521278	12.5	10.6	
137 1,2,4-Trimethylbenzene	105	12.627	12.627	0.000	98	3387873	12.5	12.2	
138 sec-Butylbenzene	105	12.749	12.749	0.000	95	4329691	12.5	12.4	
139 1,3-Dichlorobenzene	146	12.847	12.847	0.000	98	1774107	12.5	11.7	
140 4-Isopropyltoluene	119	12.859	12.859	0.000	97	3724023	12.5	12.2	
* 141 1,4-Dichlorobenzene-d4	152	12.908	12.908	0.000	94	1213833	10.0	10.0	
142 1,4-Dichlorobenzene	146	12.926	12.926	0.000	94	1764074	12.5	11.4	
143 1,2,3-Trimethylbenzene	120	12.932	12.932	0.000	99	1432619	12.5	11.4	
144 Benzyl chloride	126	12.999	12.999	0.000	99	253951	12.5	11.8	
145 p-Diethylbenzene	119	13.133	13.133	0.000	95	2188917	12.5	11.9	
146 n-Butylbenzene	92	13.158	13.158	0.000	97	1826299	12.5	12.9	
147 1,2-Dichlorobenzene	146	13.182	13.182	0.000	98	1568888	12.5	11.6	
149 1,2-Dibromo-3-Chloropropane	155	13.731	13.731	0.000	86	77045	12.5	10.9	
150 1,3,5-Trichlorobenzene	180	13.859	13.859	0.000	97	1291981	12.5	11.5	
151 1,2,4-Trichlorobenzene	180	14.279	14.279	0.000	94	1088274	12.5	11.3	
152 Hexachlorobutadiene	225	14.365	14.365	0.000	96	440307	12.5	11.3	
153 Naphthalene	128	14.462	14.462	0.000	97	1813727	12.5	10.9	
154 1,2,3-Trichlorobenzene	180	14.602	14.602	0.000	95	922407	12.5	11.1	
157 Pentane	43		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

MSV_LL_#2_826_00162	Amount Added: 25.00	Units: uL	
MSV_LL_#1_826_00154	Amount Added: 25.00	Units: uL	
MSV_LL_GAS826_00247	Amount Added: 25.00	Units: uL	
MSV_LLcentISS_00013	Amount Added: 5.00	Units: uL	Run Reagent

Report Date: 04-Dec-2024 13:03:37

Chrom Revision: 2.3 12-Nov-2024 16:55:22

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20241204-132298.b\HD04X02.D

Injection Date: 04-Dec-2024 09:50:30

Instrument ID: 19094

Operator ID: ecr105096

Lims ID: CCVIS VSTD12.5

Worklist Smp#: 3

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

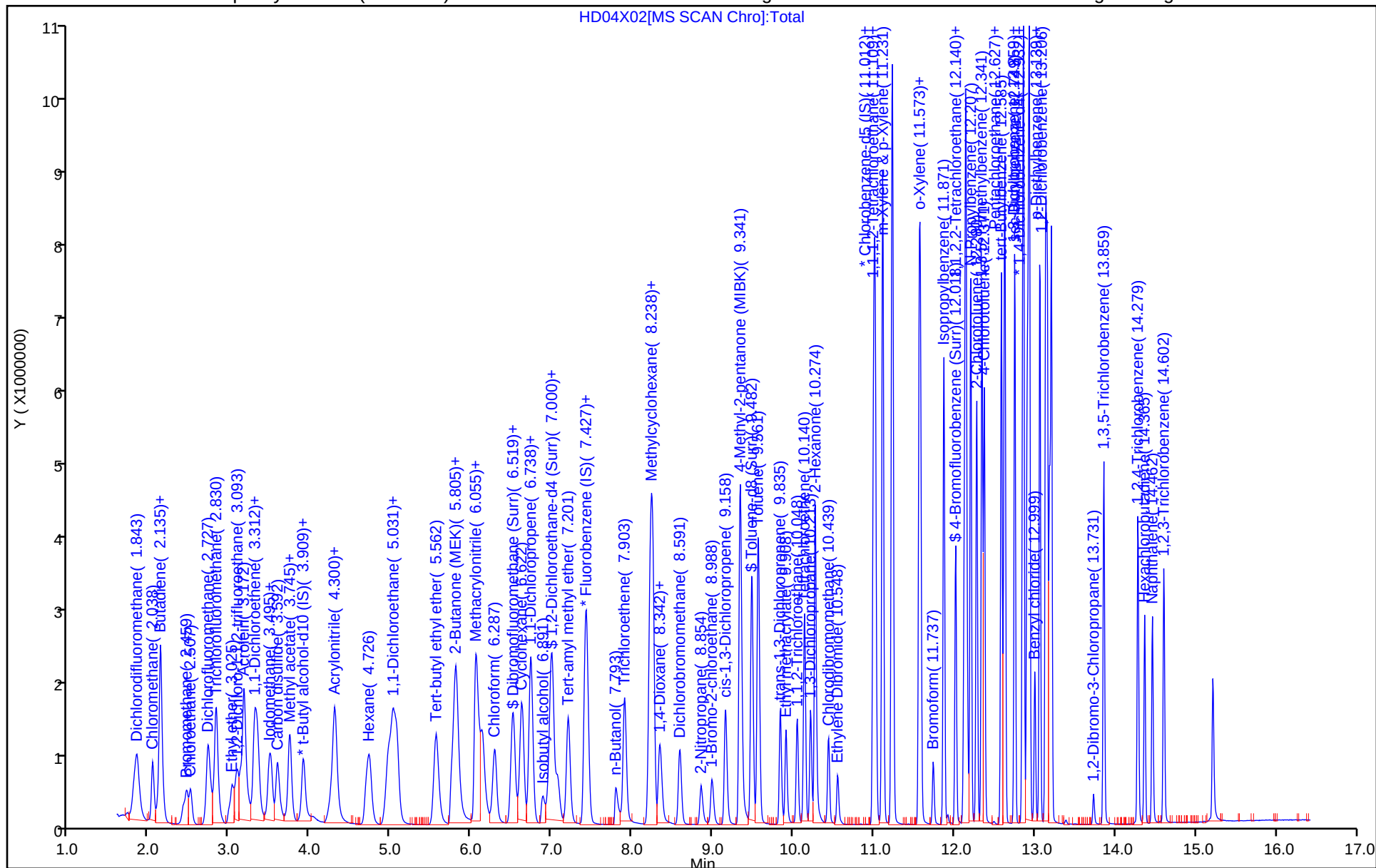
ALS Bottle#: 2

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-198585-1

SDG No.:

Lab Sample ID: CCVIS 410-584018/3

Calibration Date: 12/10/2024 10:03

Instrument ID: 19094

Calib Start Date: 10/14/2024 21:54

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

Calib End Date: 10/15/2024 00:00

Lab File ID: HD10X02.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	0.2187	0.2798	0.1000	16.0	12.5	27.9*	20.0
Chloromethane	Ave	0.3263	0.3544	0.1000	13.6	12.5	8.6	20.0
1,3-Butadiene	Ave	0.3016	0.3626		15.0	12.5	20.2*	20.0
Vinyl chloride	Ave	0.2808	0.3245	0.1000	14.4	12.5	15.6	20.0
Bromomethane	Ave	0.2020	0.2230	0.1000	13.8	12.5	10.4	20.0
Chloroethane	Ave	0.1807	0.2004	0.1000	13.9	12.5	10.9	20.0
Dichlorofluoromethane	Ave	0.4627	0.5229		14.1	12.5	13.0	20.0
Trichlorofluoromethane	Ave	0.3088	0.3818	0.1000	15.5	12.5	23.6*	20.0
Ethyl ether	Ave	0.1516	0.1607		13.2	12.5	6.0	20.0
Freon 123a	Ave	0.2602	0.2960		14.2	12.5	13.7	20.0
Acrolein	Ave	2.394	2.290		583	610	-4.4	20.0
1,1-Dichloroethene	Ave	0.1740	0.1814	0.1000	13.0	12.5	4.2	20.0
Acetone	Ave	2.783	2.675	0.1000	120	125	-3.9	20.0
Freon 113	Ave	0.1613	0.1948	0.1000	15.1	12.5	20.7*	20.0
Methyl iodide	Ave	0.3560	0.3668		12.9	12.5	3.0	20.0
Ethyl bromide	Ave	0.1690	0.1748		13.0	12.5	3.5	20.0
Carbon disulfide	Ave	0.5525	0.5842	0.1000	13.2	12.5	5.7	20.0
Methyl acetate	Ave	7.629	7.993	0.1000	13.1	12.5	4.8	20.0
Allyl chloride	Ave	0.3651	0.3941		13.5	12.5	7.9	20.0
Methylene Chloride	Ave	0.2085	0.2077	0.1000	12.4	12.5	-0.4	20.0
t-Butyl alcohol	Ave	0.8600	0.5849		170	250	-32.0*	20.0
Acrylonitrile	Ave	3.649	3.503		30.0	31.3	-4.0	20.0
Methyl tert-butyl ether	Ave	0.4845	0.4868	0.1000	12.6	12.5	0.5	20.0
trans-1,2-Dichloroethene	Ave	0.2032	0.2091	0.1000	12.9	12.5	2.9	20.0
n-Hexane	Ave	0.2699	0.3233		15.0	12.5	19.8	20.0
1,1-Dichloroethane	Ave	0.3991	0.4357	0.2000	13.6	12.5	9.2	20.0
di-Isopropyl ether	Ave	0.7233	0.7815		13.5	12.5	8.0	20.0
2-Chloro-1,3-butadiene	Ave	0.3319	0.3768		14.2	12.5	13.5	20.0
Ethyl t-butyl ether	Ave	0.6585	0.6701		12.7	12.5	1.8	20.0
2-Butanone (MEK)	Ave	4.834	5.231	0.1000	135	125	8.2	20.0
cis-1,2-Dichloroethene	Ave	0.2372	0.2433	0.1000	12.8	12.5	2.6	20.0
2,2-Dichloropropane	Ave	0.3314	0.3633		13.7	12.5	9.6	20.0
Propionitrile	Ave	1.311	1.286		245	250	-1.9	20.0
Methacrylonitrile	Ave	5.271	4.933		117	125	-6.4	20.0
Bromochloromethane	Ave	0.0963	0.0987		12.8	12.5	2.4	20.0
Tetrahydrofuran	Ave	1.357	1.312		60.4	62.5	-3.3	20.0
Chloroform	Ave	0.3752	0.4031	0.2000	13.4	12.5	7.4	20.0
1,1,1-Trichloroethane	Ave	0.3193	0.3525	0.1000	13.8	12.5	10.4	20.0
Cyclohexane	Ave	0.3480	0.4101	0.1000	14.7	12.5	17.8	20.0
1,1-Dichloropropene	Ave	0.2995	0.3363		14.0	12.5	12.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-198585-1

SDG No.:

Lab Sample ID: CCVIS 410-584018/3

Calibration Date: 12/10/2024 10:03

Instrument ID: 19094

Calib Start Date: 10/14/2024 21:54

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

Calib End Date: 10/15/2024 00:00

Lab File ID: HD10X02.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	0.2662	0.3116	0.1000	14.6	12.5	17.0	20.0
Isobutyl alcohol	Ave	0.3172	0.2986		588	625	-5.8	20.0
Benzene	Ave	0.9212	0.9507	0.5000	12.9	12.5	3.2	20.0
1,2-Dichloroethane	Ave	0.2163	0.2383	0.1000	13.8	12.5	10.1	20.0
t-Amyl methyl ether	Ave	0.5463	0.5569		12.7	12.5	1.9	20.0
n-Heptane	Ave	0.2655	0.3215		15.1	12.5	21.1*	20.0
n-Butanol	Ave	0.2199	0.2355		1170	1090	7.1	20.0
Trichloroethene	Ave	0.2303	0.2435	0.2000	13.2	12.5	5.8	20.0
Methylcyclohexane	Ave	0.3321	0.3912	0.1000	14.7	12.5	17.8	20.0
1,2-Dichloropropane	Ave	0.2332	0.2543	0.1000	13.6	12.5	9.0	20.0
Methyl methacrylate	Ave	9.950	9.520		12.0	12.5	-4.3	20.0
1,4-Dioxane	Ave	0.0392	0.0473	0.0050	755	625	20.8*	20.0
Dibromomethane	Ave	0.0976	0.1050		13.4	12.5	7.6	20.0
Bromodichloromethane	Ave	0.2595	0.2831	0.2000	13.6	12.5	9.1	20.0
2-Nitropropane	Ave	3.242	2.897		55.9	62.5	-10.6	20.0
1-Bromo-2-chloroethane	Ave	0.2142	0.2486		14.5	12.5	16.1	20.0
cis-1,3-Dichloropropene	Ave	0.3281	0.3568	0.2000	13.6	12.5	8.7	20.0
4-Methyl-2-pentanone (MIBK)	Ave	13.30	13.66	0.1000	128	125	2.7	20.0
Toluene	Ave	0.7876	0.7459	0.4000	11.8	12.5	-5.3	20.0
trans-1,3-Dichloropropene	Ave	0.3621	0.3637	0.1000	12.6	12.5	0.5	20.0
Ethyl methacrylate	Ave	0.2905	0.2704		11.6	12.5	-6.9	20.0
1,1,2-Trichloroethane	Ave	0.1994	0.1867	0.1000	11.7	12.5	-6.4	20.0
Tetrachloroethene	Ave	0.3555	0.3520	0.2000	12.4	12.5	-1.0	20.0
1,3-Dichloropropane	Ave	0.3498	0.3435		12.3	12.5	-1.8	20.0
2-Hexanone	Ave	8.521	9.572	0.1000	140	125	12.3	20.0
Dibromochloromethane	Ave	0.2371	0.2479		13.1	12.5	4.6	20.0
1,2-Dibromoethane (EDB)	Ave	0.1819	0.1794	0.1000	12.3	12.5	-1.3	20.0
1-Chlorohexane	Ave	0.4471	0.4385		12.3	12.5	-1.9	20.0
Chlorobenzene	Ave	0.8488	0.8432	0.5000	12.4	12.5	-0.7	20.0
1,1,1,2-Tetrachloroethane	Ave	0.2945	0.2952		12.5	12.5	0.3	20.0
Ethylbenzene	Ave	1.530	1.554	0.1000	12.7	12.5	1.6	20.0
m&p-Xylene	Ave	0.5921	0.5950	0.1000	25.1	25.0	0.5	20.0
o-Xylene	Ave	0.5758	0.5739	0.3000	12.5	12.5	-0.3	20.0
Styrene	Ave	0.9347	0.9169	0.3000	12.3	12.5	-1.9	20.0
Bromoform	Ave	0.1317	0.1474	0.1000	14.0	12.5	11.9	20.0
Isopropylbenzene	Ave	1.358	1.384	0.1000	12.7	12.5	1.9	20.0
1,1,2,2-Tetrachloroethane	Ave	0.4378	0.4080	0.3000	11.6	12.5	-6.8	20.0
Bromobenzene	Ave	0.6336	0.5797		11.4	12.5	-8.5	20.0
trans-1,4-Dichloro-2-butene	Ave	4.476	5.020		140	125	12.2	20.0
1,2,3-Trichloropropane	Ave	0.1064	0.1049		12.3	12.5	-1.4	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-198585-1
Environment Testing, LLC

SDG No.: _____

Lab Sample ID: CCVIS 410-584018/3 Calibration Date: 12/10/2024 10:03
Instrument ID: 19094 Calib Start Date: 10/14/2024 21:54
GC Column: R-624SilMS 30m ID: 0.25 (mm) Calib End Date: 10/15/2024 00:00
Lab File ID: HD10X02.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	3.193	3.204		12.5	12.5	0.3	20.0
2-Chlorotoluene	Ave	0.6265	0.6081		12.1	12.5	-2.9	20.0
1,3,5-Trimethylbenzene	Ave	2.248	2.222		12.4	12.5	-1.1	20.0
4-Chlorotoluene	Ave	0.6420	0.6279		12.2	12.5	-2.2	20.0
tert-Butylbenzene	Ave	0.5118	0.5059		12.4	12.5	-1.1	20.0
Pentachloroethane	Ave	0.4062	0.3868		11.9	12.5	-4.8	20.0
1,2,4-Trimethylbenzene	Ave	2.292	2.264		12.3	12.5	-1.2	20.0
sec-Butylbenzene	Ave	2.870	2.871		12.5	12.5	0.0	20.0
1,3-Dichlorobenzene	Ave	1.245	1.198	0.6000	12.0	12.5	-3.7	20.0
p-Isopropyltoluene	Ave	2.519	2.486		12.3	12.5	-1.3	20.0
1,4-Dichlorobenzene	Ave	1.271	1.207	0.5000	11.9	12.5	-5.0	20.0
1,2,3-Trimethylbenzene	Ave	1.035	0.9655		11.7	12.5	-6.7	20.0
Benzyl chloride	Ave	0.1768	0.1756		12.4	12.5	-0.7	20.0
n-Butylbenzene	Ave	1.163	1.231		13.2	12.5	5.9	20.0
1,2-Dichlorobenzene	Ave	1.111	1.071	0.4000	12.0	12.5	-3.6	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.0580	0.0551	0.0500	11.9	12.5	-5.0	20.0
1,3,5-Trichlorobenzene	Ave	0.9239	0.9069		12.3	12.5	-1.8	20.0
1,2,4-Trichlorobenzene	Ave	0.7934	0.7559	0.2000	11.9	12.5	-4.7	20.0
Hexachlorobutadiene	Ave	0.3205	0.3084		12.0	12.5	-3.8	20.0
Naphthalene	Ave	1.369	1.251		11.4	12.5	-8.7	20.0
1,2,3-Trichlorobenzene	Ave	0.6874	0.6485		11.8	12.5	-5.7	20.0
Dibromofluoromethane (Surr)	Ave	0.2333	0.2468		10.6	10.0	5.8	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0474	0.0477		10.1	10.0	0.6	20.0
Toluene-d8 (Surr)	Ave	1.371	1.314		9.59	10.0	-4.1	20.0
4-Bromofluorobenzene (Surr)	Ave	0.4915	0.5124		10.4	10.0	4.2	20.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20241210-132838.b\HD10X02.D
 Lims ID: CCVIS VSTD12.5
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 10-Dec-2024 10:03:30 ALS Bottle#: 2 Worklist Smp#: 3
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0132838-003
 Misc. Info.: CCVIS VSTD12.5
 Operator ID: ecr105096 Instrument ID: 19094
 Sublist: chrom-MSV_19094_25mL*sub1
 Method: \\chromfs\Lancaster\ChromData\19094\20241210-132838.b\MSV_19094_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 10-Dec-2024 13:23:41 Calib Date: 15-Oct-2024 00:00:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1657

First Level Reviewer: N7YK

Date: 10-Dec-2024 10:37:49

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	1.861	0.000	99	792805	12.5	16.0	
5 Chloromethane	50	2.044	2.044	0.000	99	1004470	12.5	13.6	
7 Butadiene	39	2.142	2.142	0.000	93	1027461	12.5	15.0	
6 Vinyl chloride	62	2.154	2.154	0.000	98	919581	12.5	14.4	
9 Bromomethane	94	2.471	2.471	0.000	91	632025	12.5	13.8	
10 Chloroethane	64	2.520	2.520	0.000	100	567950	12.5	13.9	
11 Dichlorofluoromethane	67	2.733	2.733	0.000	97	1481875	12.5	14.1	
12 Trichlorofluoromethane	101	2.824	2.824	0.000	98	1081876	12.5	15.5	
14 Ethyl ether	59	3.026	3.026	0.000	93	455309	12.5	13.2	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.093	3.093	0.000	95	838698	12.5	14.2	
16 Acrolein	56	3.178	3.178	0.000	100	3209890	609.9	583.3	
17 1,1-Dichloroethene	96	3.312	3.312	0.000	96	514017	12.5	13.0	
19 Acetone	43	3.336	3.336	0.000	74	768534	125.0	120.1	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.343	3.343	0.000	93	551963	12.5	15.1	
21 Iodomethane	142	3.495	3.495	0.000	99	1039471	12.5	12.9	
22 Ethyl bromide	108	3.519	3.519	0.000	98	496280	12.5	13.0	
23 Carbon disulfide	76	3.599	3.599	0.000	99	1655633	12.5	13.2	
24 Methyl acetate	43	3.714	3.714	0.000	98	229633	12.5	13.1	
26 3-Chloro-1-propene	41	3.745	3.745	0.000	93	1116778	12.5	13.5	
27 Methylene Chloride	84	3.916	3.916	0.000	97	588480	12.5	12.4	
* 28 t-Butyl alcohol-d10 (IS)	65	3.922	3.922	0.000	31	114920	50.0	50.0	
29 2-Methyl-2-propanol	59	4.025	4.025	0.000	99	336104	250.0	170.0	
31 Acrylonitrile	53	4.233	4.233	0.000	99	251626	31.3	30.0	
32 Methyl tert-butyl ether	73	4.287	4.287	0.000	96	1379406	12.5	12.6	
33 trans-1,2-Dichloroethene	96	4.312	4.312	0.000	96	592583	12.5	12.9	
34 Hexane	57	4.726	4.726	0.000	94	916329	12.5	15.0	
36 1,1-Dichloroethane	63	4.964	4.964	0.000	96	1234689	12.5	13.6	
37 Isopropyl ether	45	5.019	5.019	0.000	96	2214572	12.5	13.5	
38 2-Chloro-1,3-butadiene	53	5.068	5.068	0.000	91	1067914	12.5	14.2	
40 Tert-butyl ethyl ether	59	5.568	5.568	0.000	98	1898898	12.5	12.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
41 2-Butanone (MEK)	43	5.757	5.757	0.000	99	1502860	125.0	135.3	
42 cis-1,2-Dichloroethene	96	5.799	5.799	0.000	85	689468	12.5	12.8	
43 2,2-Dichloropropane	77	5.818	5.818	0.000	88	1029491	12.5	13.7	
44 Propionitrile	54	5.842	5.842	0.000	99	739091	250.0	245.3	
47 Methacrylonitrile	67	6.062	6.062	0.000	94	1417174	125.0	117.0	
48 Chlorobromomethane	128	6.141	6.141	0.000	97	279646	12.5	12.8	
49 Tetrahydrofuran	71	6.141	6.141	0.000	82	188477	62.5	60.4	
50 Chloroform	83	6.293	6.293	0.000	94	1142267	12.5	13.4	
\$ 52 Dibromofluoromethane (Surr)	113	6.507	6.507	0.000	94	559498	10.0	10.6	
53 1,1,1-Trichloroethane	97	6.525	6.525	0.000	99	998952	12.5	13.8	
54 Cyclohexane	56	6.628	6.628	0.000	92	1162114	12.5	14.7	
55 1,1-Dichloropropene	75	6.738	6.738	0.000	98	953138	12.5	14.0	
56 Carbon tetrachloride	117	6.738	6.738	0.000	96	883052	12.5	14.6	
57 Isobutyl alcohol	41	6.891	6.891	0.000	95	428992	625.0	588.5	
\$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.964	6.964	0.000	83	108203	10.0	10.1	
59 Benzene	78	7.000	7.000	0.000	97	2694061	12.5	12.9	
60 1,2-Dichloroethane	62	7.074	7.074	0.000	97	675179	12.5	13.8	
63 Tert-amyl methyl ether	73	7.208	7.208	0.000	98	1578087	12.5	12.7	
* 64 Fluorobenzene (IS)	96	7.415	7.415	0.000	97	2267107	10.0	10.0	
65 n-Heptane	43	7.433	7.433	0.000	93	911121	12.5	15.1	
67 n-Butanol	56	7.799	7.799	0.000	90	591973	1093.8	1171.3	
68 Trichloroethene	95	7.903	7.903	0.000	98	690153	12.5	13.2	
69 Methylcyclohexane	83	8.220	8.220	0.000	93	1108479	12.5	14.7	
70 1,2-Dichloropropane	63	8.238	8.238	0.000	87	720555	12.5	13.6	
71 2-ethoxy-2-methyl butane	87	8.256	8.256	0.000	91	1017034	12.5	13.0	
72 Methyl methacrylate	69	8.335	8.335	0.000	92	273501	12.5	12.0	
73 1,4-Dioxane	88	8.342	8.342	0.000	34	67936	625.0	754.8	
74 Dibromomethane	93	8.348	8.348	0.000	96	297549	12.5	13.4	
76 Dichlorobromomethane	83	8.592	8.592	0.000	99	802371	12.5	13.6	
77 2-Nitropropane	41	8.854	8.854	0.000	98	416129	62.5	55.9	
79 1-Bromo-2-chloroethane	63	8.988	8.988	0.000	99	704619	12.5	14.5	
80 cis-1,3-Dichloropropene	75	9.158	9.158	0.000	95	1011034	12.5	13.6	
82 4-Methyl-2-pentanone (MIBK)	43	9.341	9.341	0.000	98	3925735	125.0	128.4	
\$ 83 Toluene-d8 (Surr)	98	9.488	9.488	0.000	94	2356260	10.0	9.59	
84 Toluene	92	9.567	9.567	0.000	98	1671733	12.5	11.8	
85 trans-1,3-Dichloropropene	75	9.841	9.841	0.000	94	815175	12.5	12.6	
104 Ethyl methacrylate	69	9.908	9.908	0.000	91	606094	12.5	11.6	
106 1,1,2-Trichloroethane	97	10.049	10.049	0.000	91	418412	12.5	11.7	
107 Tetrachloroethene	166	10.140	10.140	0.000	98	788871	12.5	12.4	
108 1,3-Dichloropropane	76	10.213	10.213	0.000	92	769798	12.5	12.3	
109 2-Hexanone	43	10.274	10.274	0.000	98	2750051	125.0	140.4	
111 Chlorodibromomethane	129	10.439	10.439	0.000	90	555624	12.5	13.1	
112 Ethylene Dibromide	107	10.548	10.548	0.000	99	402132	12.5	12.3	
* 113 Chlorobenzene-d5 (IS)	117	10.993	10.993	0.000	87	1792871	10.0	10.0	
114 1-Chlorohexane	91	11.006	11.006	0.000	97	982769	12.5	12.3	
115 Chlorobenzene	112	11.024	11.024	0.000	94	1889764	12.5	12.4	
116 1,1,1,2-Tetrachloroethane	131	11.109	11.109	0.000	96	661665	12.5	12.5	
117 Ethylbenzene	91	11.109	11.109	0.000	99	3481994	12.5	12.7	
119 m-Xylene & p-Xylene	106	11.231	11.231	0.000	100	2667094	25.0	25.1	
120 o-Xylene	106	11.567	11.567	0.000	97	1286212	12.5	12.5	
121 Styrene	104	11.579	11.579	0.000	95	2054895	12.5	12.3	
122 Bromoform	173	11.737	11.737	0.000	97	330283	12.5	14.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
123 Isopropylbenzene	105	11.871	11.871	0.000	96	3102452	12.5	12.7	
\$ 126 4-Bromofluorobenzene (Surr)	95	12.018	12.018	0.000	90	918627	10.0	10.4	
127 1,1,2,2-Tetrachloroethane	83	12.121	12.121	0.000	92	537732	12.5	11.6	
128 Bromobenzene	156	12.134	12.134	0.000	95	764009	12.5	11.4	
129 trans-1,4-Dichloro-2-butene	53	12.146	12.146	0.000	92	1442220	125.0	140.2	
130 1,2,3-Trichloropropane	110	12.164	12.164	0.000	80	138271	12.5	12.3	
131 N-Propylbenzene	91	12.207	12.207	0.000	99	4222294	12.5	12.5	
132 2-Chlorotoluene	126	12.280	12.280	0.000	96	801497	12.5	12.1	
133 1,3,5-Trimethylbenzene	105	12.341	12.341	0.000	94	2929187	12.5	12.4	
134 4-Chlorotoluene	126	12.371	12.371	0.000	98	827542	12.5	12.2	
135 tert-Butylbenzene	134	12.585	12.585	0.000	94	666783	12.5	12.4	
136 Pentachloroethane	167	12.615	12.615	0.000	93	509795	12.5	11.9	
137 1,2,4-Trimethylbenzene	105	12.627	12.627	0.000	97	2984070	12.5	12.3	
138 sec-Butylbenzene	105	12.749	12.749	0.000	94	3784494	12.5	12.5	
139 1,3-Dichlorobenzene	146	12.847	12.847	0.000	98	1579344	12.5	12.0	
140 4-Isopropyltoluene	119	12.859	12.859	0.000	97	3276511	12.5	12.3	
* 141 1,4-Dichlorobenzene-d4	152	12.908	12.908	0.000	95	1054383	10.0	10.0	
142 1,4-Dichlorobenzene	146	12.926	12.926	0.000	94	1590453	12.5	11.9	
143 1,2,3-Trimethylbenzene	120	12.932	12.932	0.000	99	1272478	12.5	11.7	
144 Benzyl chloride	126	12.999	12.999	0.000	99	231486	12.5	12.4	
145 p-Diethylbenzene	119	13.133	13.133	0.000	94	1958629	12.5	12.3	
146 n-Butylbenzene	92	13.158	13.158	0.000	97	1622437	12.5	13.2	
147 1,2-Dichlorobenzene	146	13.182	13.182	0.000	98	1411207	12.5	12.0	
149 1,2-Dibromo-3-Chloropropane	155	13.731	13.731	0.000	85	72572	12.5	11.9	
150 1,3,5-Trichlorobenzene	180	13.859	13.859	0.000	97	1195213	12.5	12.3	
151 1,2,4-Trichlorobenzene	180	14.279	14.279	0.000	94	996216	12.5	11.9	
152 Hexachlorobutadiene	225	14.365	14.365	0.000	96	406451	12.5	12.0	
153 Naphthalene	128	14.462	14.462	0.000	97	1648473	12.5	11.4	
154 1,2,3-Trichlorobenzene	180	14.603	14.603	0.000	95	854684	12.5	11.8	
157 Pentane	43		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

MSV_LL_#2_826_00164	Amount Added: 25.00	Units: uL	
MSV_LL_#1_826_00154	Amount Added: 25.00	Units: uL	
MSV_LL_GAS826_00248	Amount Added: 25.00	Units: uL	
MSV_LLcentISS_00013	Amount Added: 5.00	Units: uL	Run Reagent

Report Date: 10-Dec-2024 13:23:42

Chrom Revision: 2.3 12-Nov-2024 16:55:22

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20241210-132838.b\HD10X02.D

Injection Date: 10-Dec-2024 10:03:30

Instrument ID: 19094

Operator ID: ecr105096

Lims ID: CCVIS VSTD12.5

Worklist Smp#: 3

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

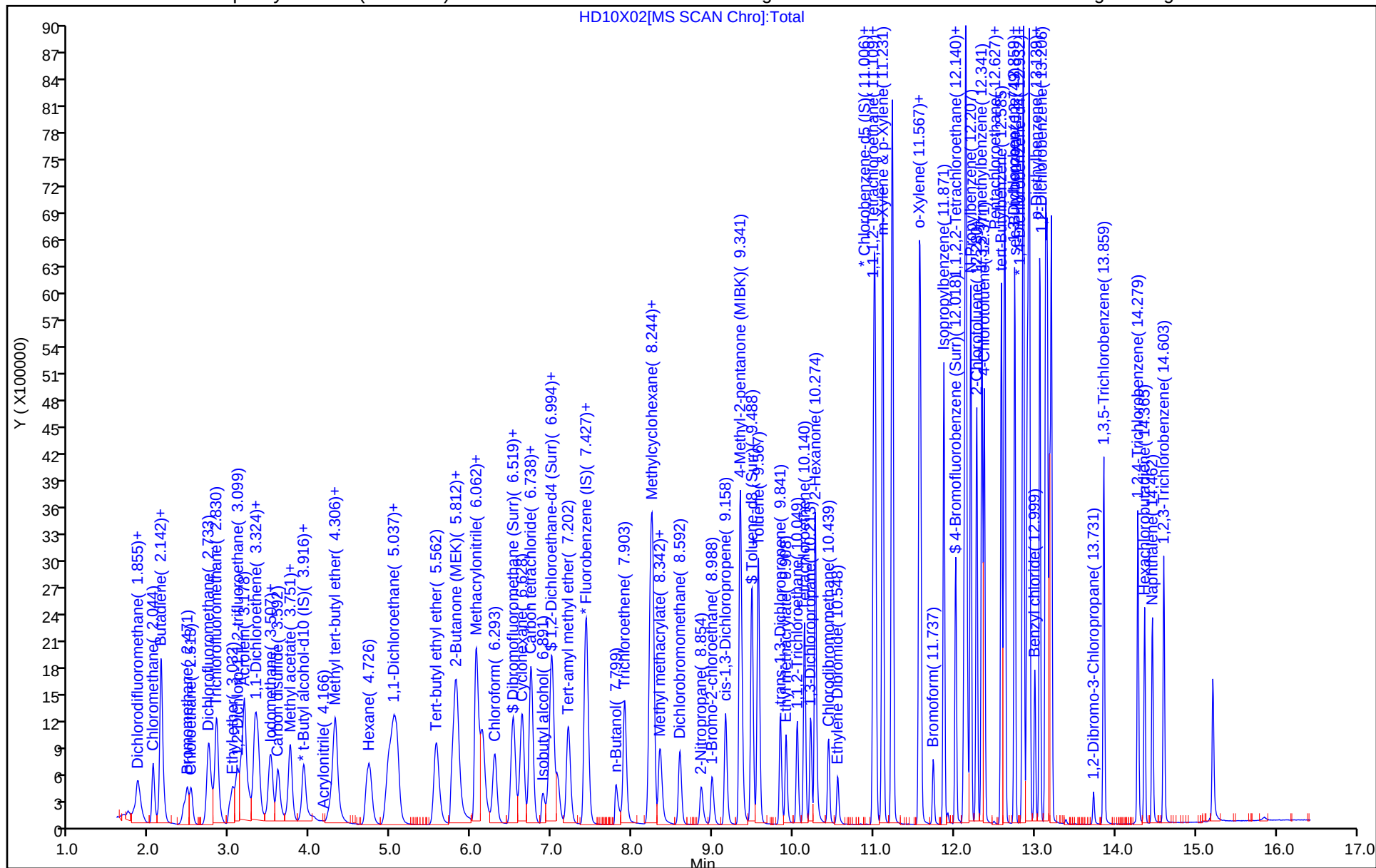
ALS Bottle#: 2

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03T01.D
Lims ID: bfb
Client ID:
Sample Type: BFB
Inject. Date: 03-Dec-2024 15:12:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 410-0132221-001
Misc. Info.: bfb
Operator ID: knk41612 Instrument ID: 16334

Method: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 09-Dec-2024 09:44:32 Calib Date: 03-Dec-2024 18:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1610

First Level Reviewer: UJML Date: 05-Dec-2024 13:11:01

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

\$ 168 BFB 95 4.825 4.825 0.000 0 541475 NR NR

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

MSV_V_BFB_00018 Amount Added: 1.00 Units: uL

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03T01.D

Injection Date: 03-Dec-2024 15:12:30

Instrument ID: 16334

Lims ID: bfb

Client ID:

Operator ID: knk41612

ALS Bottle#: 1 Worklist Smp#: 1

Injection Vol: 1.0 uL

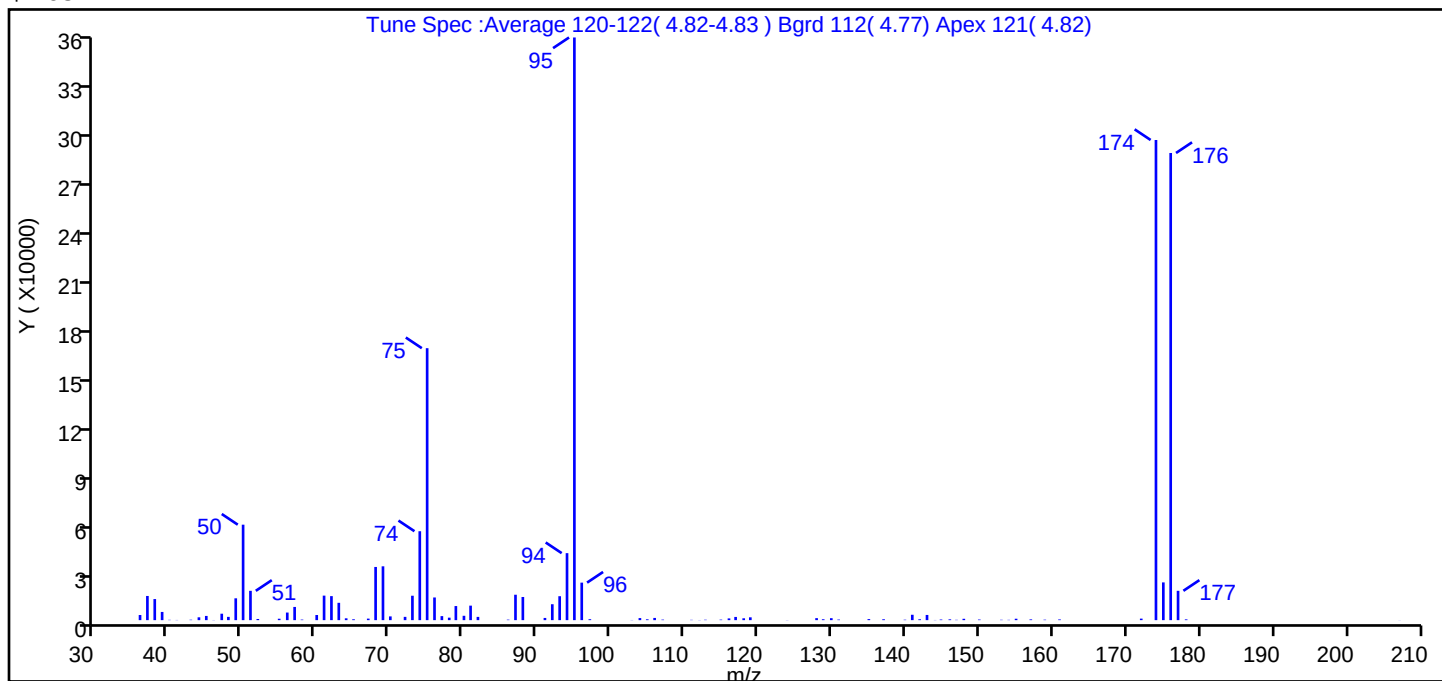
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

Tune Method: BFB Method 8260

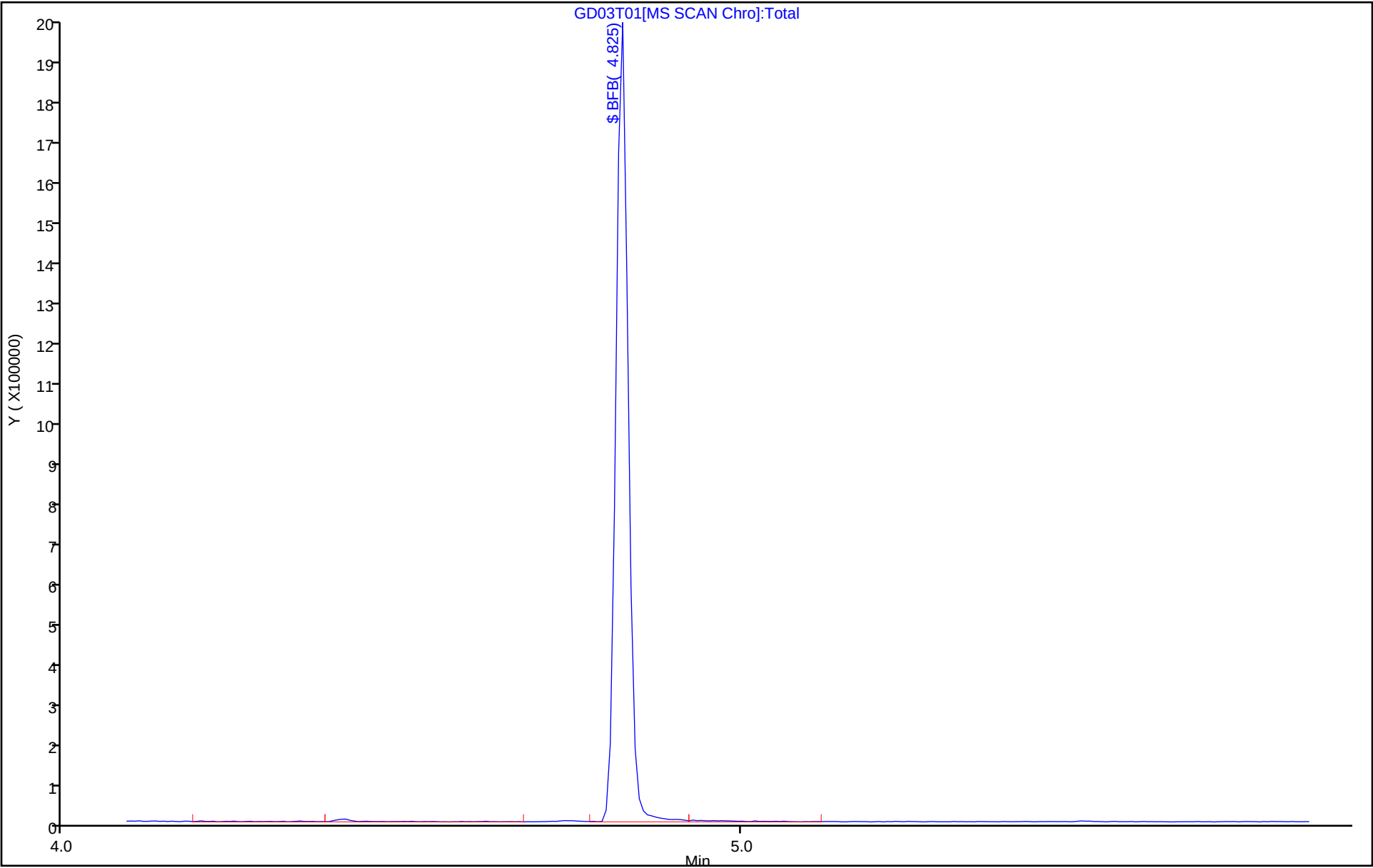
\$ 168 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	16.4
75	30 to 60% of m/z 95	46.7
96	5 to 9% of m/z 95	6.4
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	82.4
175	5 to 9% of m/z 174	6.5 (7.9)
176	Greater than 95% but less than 101% of m/z 174	80.2 (97.3)
177	5 to 9% of m/z 176	5.0 (6.3)

Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03T01.D\MSV_16334_25mL.rslt\spectra.d
Injection Date: 03-Dec-2024 15:12:30
Spectrum: Tune Spec :Average 120-122(4.82-4.83) Bgrd 112(4.77) Apex 121(4.82)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 94

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	3133	64.00	1119	95.00	356096	141.00	3289
37.00	14777	65.00	530	96.00	22928	142.00	529
38.00	12883	67.00	936	97.00	572	143.00	3172
39.00	5012	68.00	32504	103.00	97	144.00	104
40.00	188	69.00	32896	104.00	1262	145.00	382
41.00	114	70.00	2291	105.00	508	146.00	489
43.00	254	72.00	2006	106.00	1351	147.00	196
44.00	1735	73.00	14920	107.00	325	148.00	828
45.00	2570	74.00	54344	111.00	189	150.00	375
46.00	92	75.00	166208	112.00	91	153.00	223
47.00	3931	76.00	13854	113.00	258	154.00	184
48.00	1998	77.00	2462	115.00	325	155.00	861
49.00	13342	78.00	1518	116.00	1062	157.00	467
50.00	58344	79.00	8616	117.00	1958	159.00	283
51.00	17920	80.00	2661	118.00	1132	161.00	434
52.00	707	81.00	8863	119.00	1726	172.00	929
55.00	862	82.00	1987	124.00	84	174.00	293440
56.00	4641	86.00	311	128.00	1222	175.00	23064
57.00	8070	87.00	15530	129.00	540	176.00	285504
58.00	336	88.00	14149	130.00	1194	177.00	17928
60.00	3132	91.00	1347	131.00	354	178.00	474
61.00	14984	92.00	9729	135.00	645	207.00	54
62.00	14677	93.00	14628	137.00	539		
63.00	10591	94.00	40944	140.00	263		



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04T01.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 04-Dec-2024 11:00:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 410-0132342-001
Misc. Info.: BFB
Operator ID: knk41612 Instrument ID: 16334
Method: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 10-Dec-2024 07:11:23 Calib Date: 03-Dec-2024 18:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X18.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1605

First Level Reviewer: FQ4L

Date: 10-Dec-2024 07:11:23

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

\$ 168 BFB	95	4.824	4.824	0.000	0	317479	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

MSV_V_BFB_00018

Amount Added: 1.00

Units: uL

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04T01.D

Injection Date: 04-Dec-2024 11:00:30

Instrument ID: 16334

Lims ID: BFB

Client ID:

Operator ID: knk41612

ALS Bottle#: 1 Worklist Smp#: 1

Injection Vol: 1.0 uL

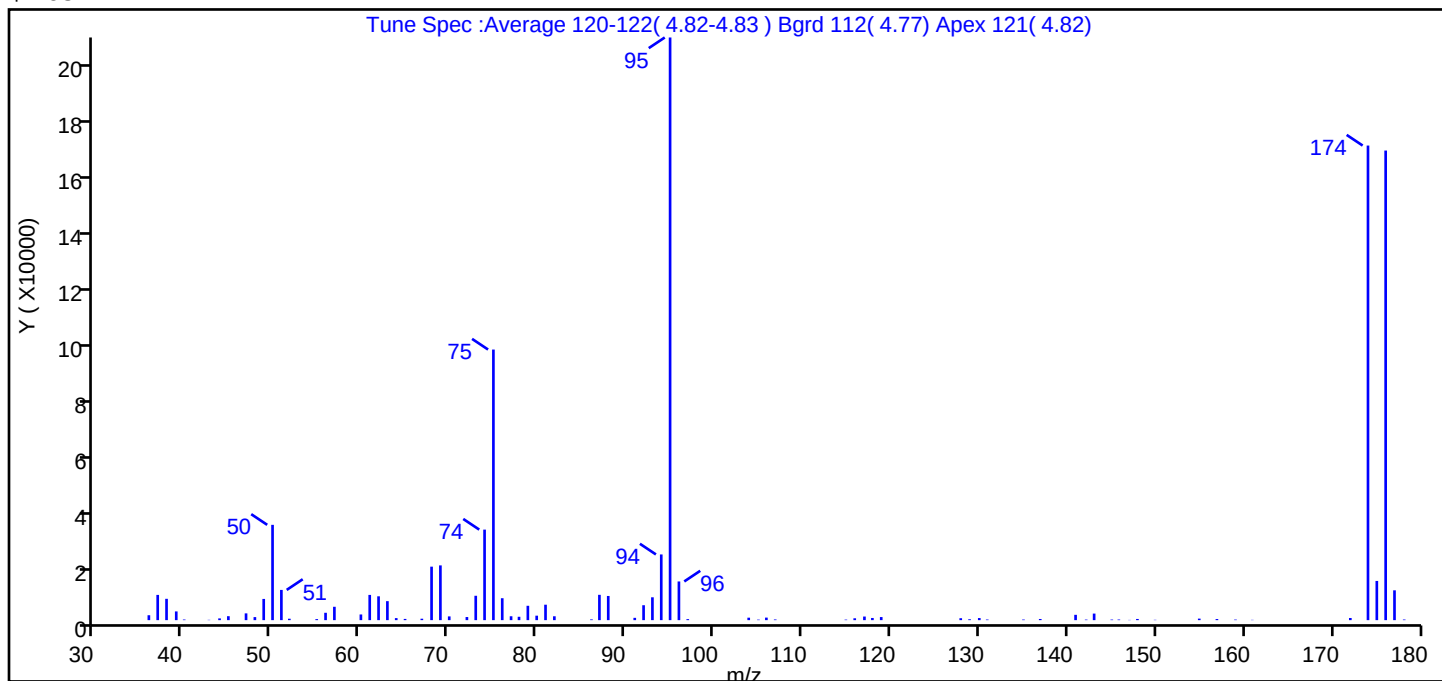
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

Tune Method: BFB Method 8260

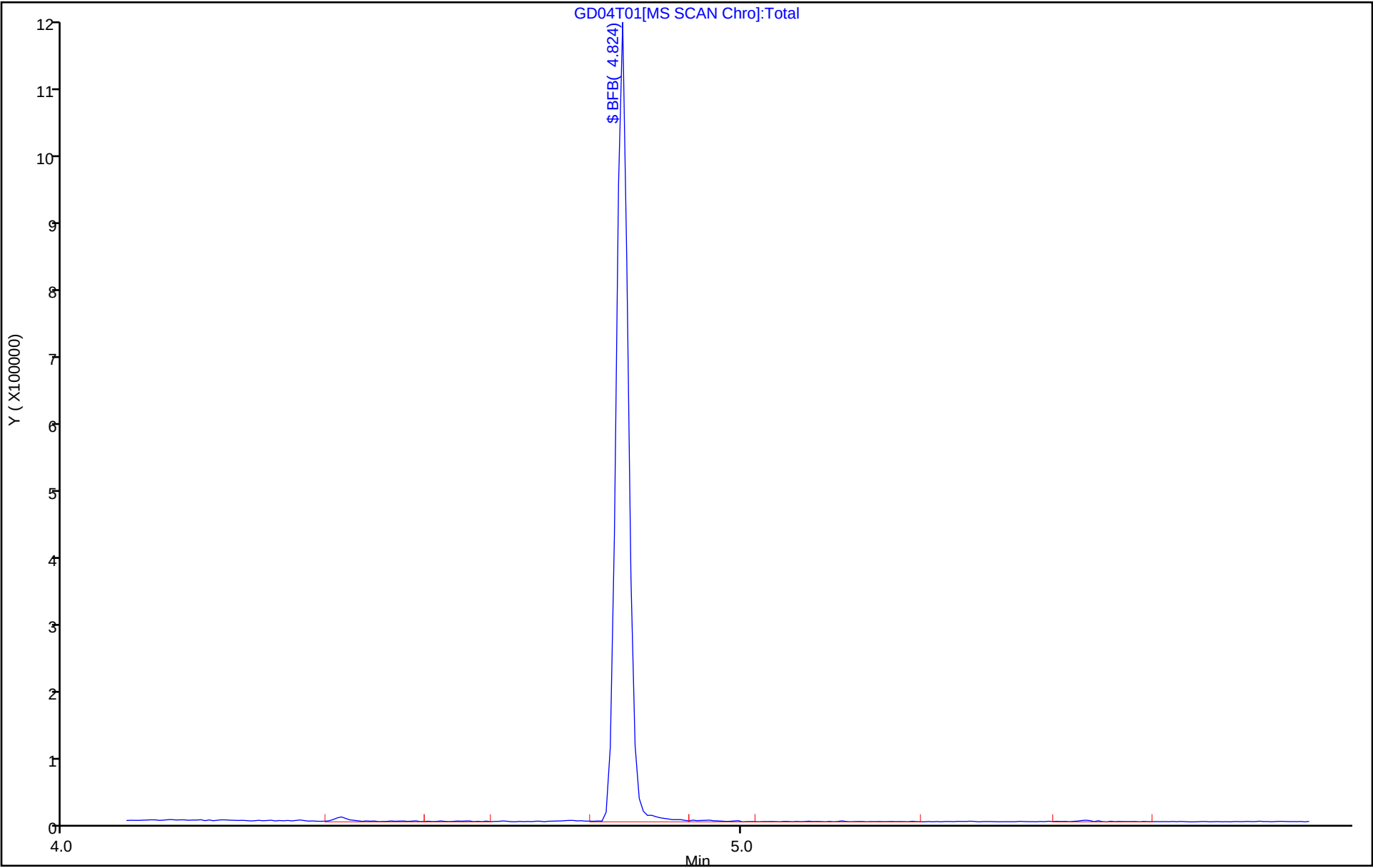
\$ 168 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	16.4
75	30 to 60% of m/z 95	46.4
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	81.5
175	5 to 9% of m/z 174	6.7 (8.3)
176	Greater than 95% but less than 101% of m/z 174	80.6 (98.9)
177	5 to 9% of m/z 176	5.1 (6.3)

Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04T01.D\MSV_16334_25mL.rsl\spectra.d
Injection Date: 04-Dec-2024 11:00:30
Spectrum: Tune Spec :Average 120-122(4.82-4.83) Bgrd 112(4.77) Apex 121(4.82)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 81

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1762	64.00	730	92.00	5354	141.00	1907
37.00	9056	65.00	441	93.00	8199	142.00	201
38.00	7653	67.00	514	94.00	23576	143.00	2354
39.00	3132	68.00	19192	95.00	209088	145.00	205
40.00	223	69.00	19648	96.00	13882	146.00	223
43.00	111	70.00	1345	97.00	363	147.00	85
44.00	628	72.00	1117	104.00	881	148.00	422
45.00	1421	73.00	8745	105.00	191	150.00	117
47.00	2432	74.00	32488	106.00	912	155.00	546
48.00	1094	75.00	97104	107.00	244	157.00	394
49.00	7613	76.00	7869	115.00	192	159.00	202
50.00	34200	77.00	1391	116.00	668	161.00	106
51.00	10848	78.00	1208	117.00	1291	172.00	772
52.00	506	79.00	5152	118.00	779	174.00	170304
55.00	370	80.00	1603	119.00	1106	175.00	14063
56.00	2642	81.00	5541	128.00	692	176.00	168512
57.00	4796	82.00	1387	129.00	316	177.00	10700
60.00	2038	86.00	265	130.00	749	178.00	223
61.00	9056	87.00	9087	131.00	220		
62.00	8555	88.00	8674	135.00	215		
63.00	6816	91.00	828	137.00	413		



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14T01.D
Lims ID: bfb
Client ID:
Sample Type: BFB
Inject. Date: 14-Oct-2024 17:46:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 410-0127661-001
Misc. Info.: BFB
Operator ID: gaw91131 Instrument ID: 19094
Method: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 15-Oct-2024 09:55:44 Calib Date: 15-Oct-2024 00:00:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X18.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1657

First Level Reviewer: JS6E

Date: 14-Oct-2024 19:12:05

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

\$ 166 BFB	95	5.050	5.050	0.000	93	338598	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\19094\20241014-127661.b\HC14T01.D

Injection Date: 14-Oct-2024 17:46:30

Instrument ID: 19094

Lims ID: bfb

Client ID:

Operator ID: gaw91131

ALS Bottle#: 1 Worklist Smp#: 1

Injection Vol: 1.0 uL

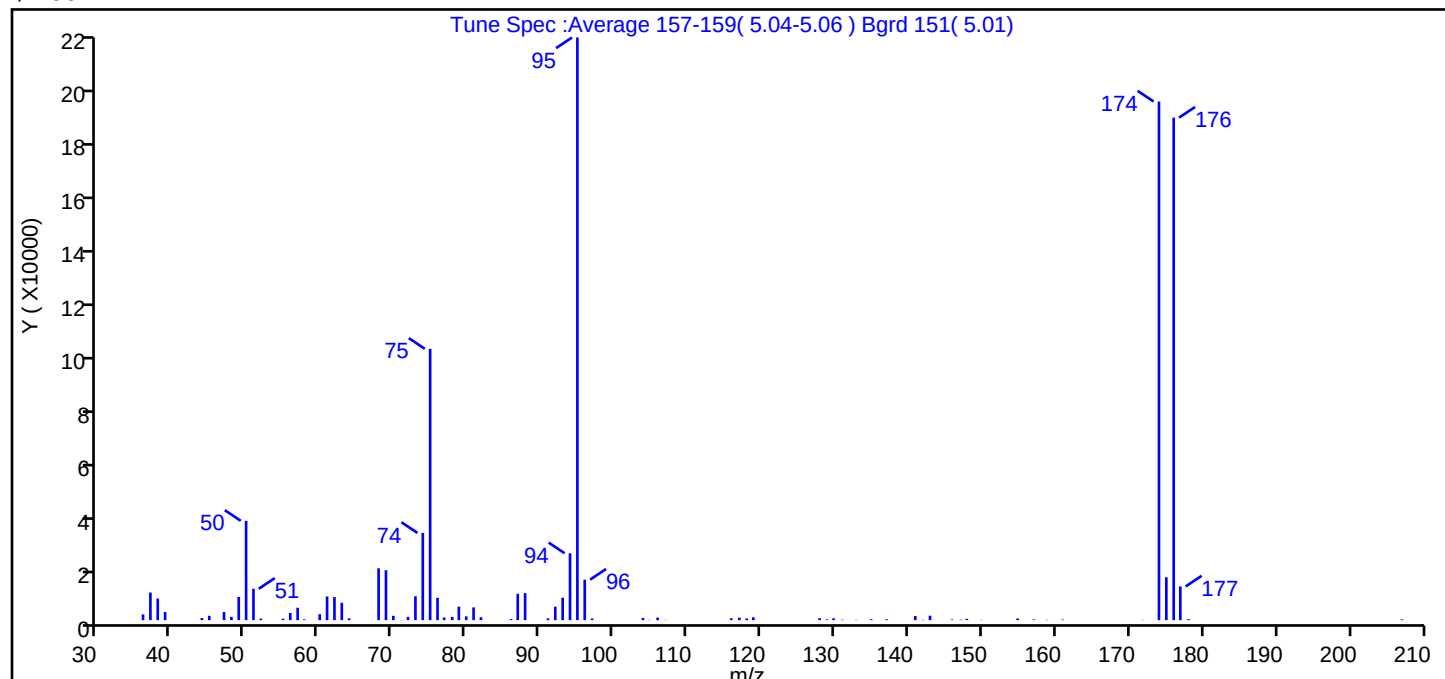
Dil. Factor: 1.0000

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

Tune Method: BFB Method 8260

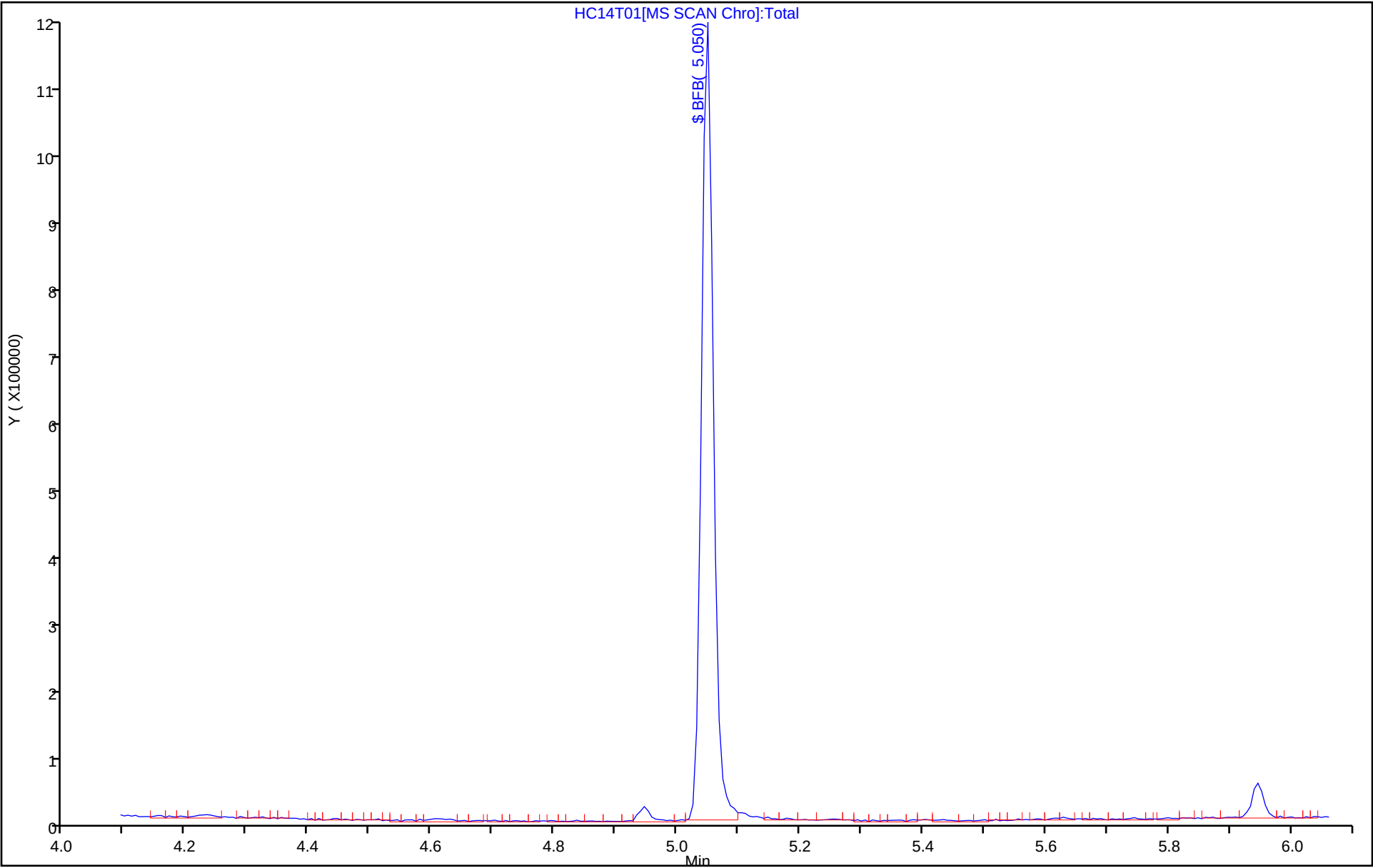
\$ 166 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	17.0
75	30 to 60% of m/z 95	46.6
96	5 to 9% of m/z 95	7.0
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	89.0
175	5 to 9% of m/z 174	7.4 (8.3)
176	Greater than 95% but less than 101% of m/z 174	86.2 (96.9)
177	5 to 9% of m/z 176	5.8 (6.7)

Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14T01.D\MSV_19094_25mL.rslt\spectra.d
Injection Date: 14-Oct-2024 17:46:30
Spectrum: Tune Spec :Average 157-159(5.04-5.06) Bgrd 151(5.01)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 79

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2074	64.00	658	92.00	4870	137.00	317
37.00	9970	68.00	18752	93.00	8118	141.00	1477
38.00	7824	69.00	18048	94.00	24176	142.00	115
39.00	2926	70.00	1550	95.00	210688	143.00	1600
44.00	774	71.00	75	96.00	14646	146.00	230
45.00	1558	72.00	1176	97.00	609	147.00	183
47.00	2979	73.00	8649	104.00	785	148.00	488
48.00	1184	74.00	31544	105.00	115	150.00	84
49.00	8403	75.00	98112	106.00	915	155.00	599
50.00	35912	76.00	8060	107.00	92	157.00	259
51.00	11342	77.00	963	116.00	677	159.00	118
52.00	587	78.00	1154	117.00	907	161.00	213
55.00	511	79.00	4871	118.00	628	172.00	83
56.00	2592	80.00	1372	119.00	1037	174.00	187520
57.00	4483	81.00	4615	128.00	702	175.00	15504
58.00	299	82.00	1054	129.00	279	176.00	181696
60.00	2132	86.00	385	130.00	669	177.00	12180
61.00	8575	87.00	9498	131.00	160	178.00	355
62.00	8351	88.00	9753	133.00	110	207.00	271
63.00	6286	91.00	642	135.00	338		



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20241204-132298.b\HD04T01.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 04-Dec-2024 09:14:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 410-0132298-001
Misc. Info.: BFB
Operator ID: ecr105096 Instrument ID: 19094
Method: \\chromfs\Lancaster\ChromData\19094\20241204-132298.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 04-Dec-2024 13:03:10 Calib Date: 15-Oct-2024 00:00:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X18.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1623

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

\$ 166 BFB	95	5.050	5.050	0.000	87	410565	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

MSV_V_BFB_00018

Amount Added: 1.00

Units: uL

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20241204-132298.b\HD04T01.D

Injection Date: 04-Dec-2024 09:14:30

Instrument ID: 19094

Lims ID: BFB

Client ID:

Operator ID: ecr105096

ALS Bottle#: 1 Worklist Smp#: 1

Injection Vol: 1.0 uL

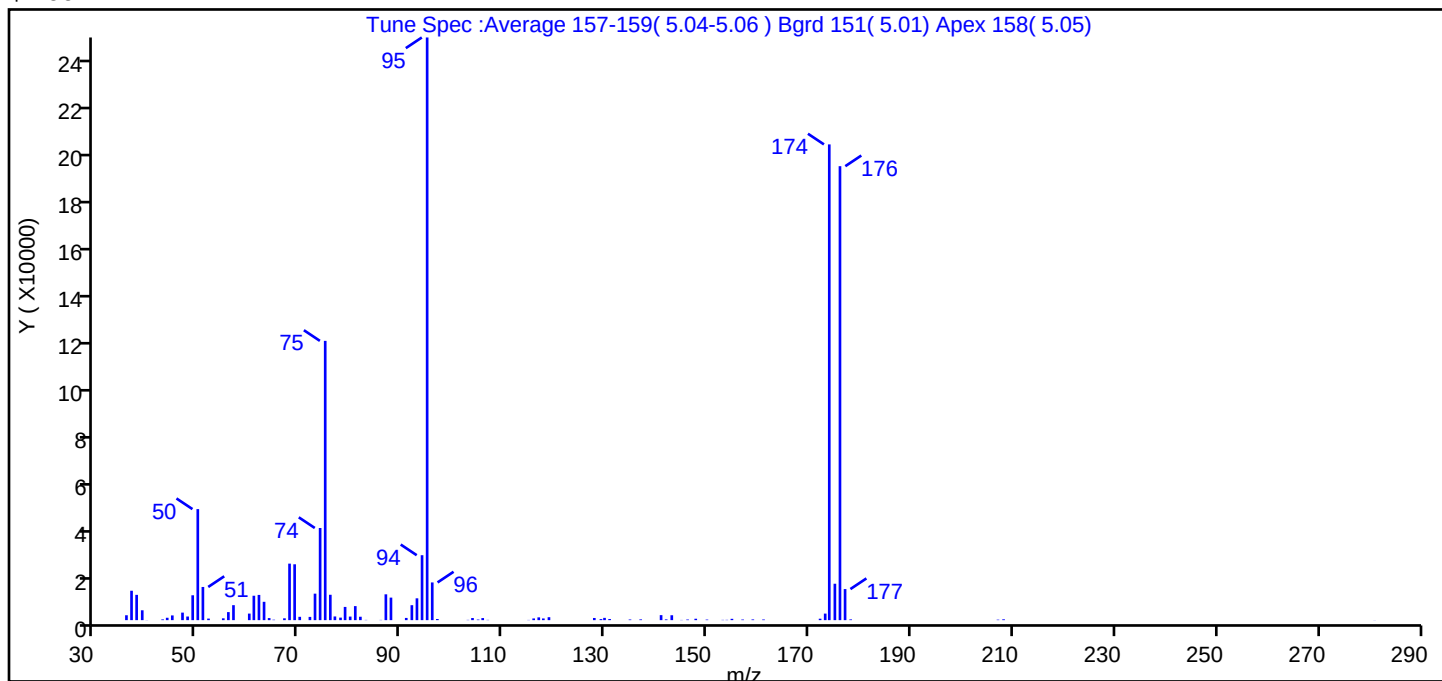
Dil. Factor: 1.0000

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

Tune Method: BFB Method 8260

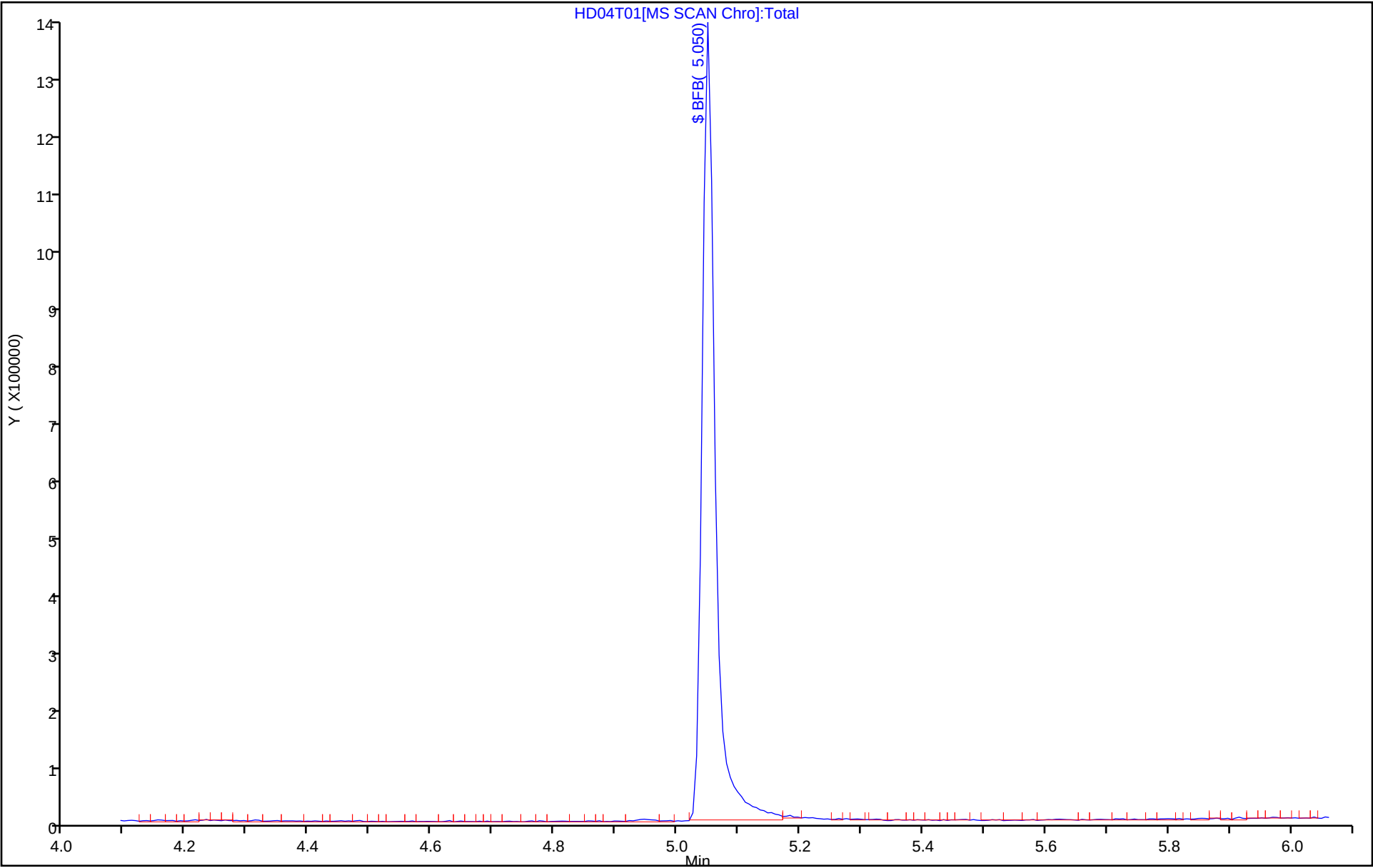
\$ 166 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	19.1
75	30 to 60% of m/z 95	47.9
96	5 to 9% of m/z 95	6.5
173	Less than 2% of m/z 174	1.1 (1.4)
174	50 to 120% of m/z 95	81.6
175	5 to 9% of m/z 174	6.2 (7.7)
176	Greater than 95% but less than 101% of m/z 174	77.9 (95.4)
177	5 to 9% of m/z 176	5.3 (6.8)

Data File: \\chromfs\Lancaster\ChromData\19094\20241204-132298.b\HD04T01.D\MSV_19094_25mL.rslt\spectra.d
Injection Date: 04-Dec-2024 09:14:30
Spectrum: Tune Spec :Average 157-159(5.04-5.06) Bgrd 151(5.01) Apex 158(5.05)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 88

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2026	65.00	175	93.00	9040	142.00	313
37.00	12180	67.00	760	94.00	26896	143.00	2030
38.00	10475	68.00	23408	95.00	241344	145.00	85
39.00	4085	69.00	23136	96.00	15619	146.00	258
40.00	48	70.00	1380	97.00	465	148.00	582
43.00	308	72.00	1344	103.00	111	150.00	237
44.00	987	73.00	10973	104.00	876	153.00	112
45.00	1958	74.00	38168	105.00	240	154.00	124
47.00	3120	75.00	115680	106.00	857	155.00	548
48.00	1506	76.00	10511	107.00	110	157.00	253
49.00	10301	77.00	1529	115.00	90	159.00	294
50.00	45992	78.00	1049	116.00	701	161.00	269
51.00	13742	79.00	5475	117.00	1153	172.00	594
52.00	645	80.00	1482	118.00	696	173.00	2713
55.00	757	81.00	5811	119.00	1219	174.00	197056
56.00	3331	82.00	1412	128.00	896	175.00	15079
57.00	6204	83.00	100	129.00	432	176.00	188032
60.00	2714	86.00	96	130.00	944	177.00	12868
61.00	10110	87.00	10697	131.00	468	178.00	307
62.00	10450	88.00	9335	135.00	272	207.00	200
63.00	7596	91.00	918	137.00	313	208.00	340
64.00	859	92.00	6192	141.00	2075	281.00	41



Eurofins Lancaster Laboratories Environment Testing, LLC

Target Compound Quantitation Report

Data File:

\\chromfs\Lancaster\ChromData\19094\20241210-132838.b\HD10T01.D

Lims ID:

BFB

Client ID:

Sample Type:

BFB

Inject. Date:

10-Dec-2024 09:28:30

ALS Bottle#:

1

Worklist Smp#:

1

Injection Vol:

1.0 uL

Dil. Factor:

1.0000

Sample Info:

410-0132838-001

Misc. Info.:

BFB

Operator ID:

ecr105096

Instrument ID:

19094

Method:

\\chromfs\Lancaster\ChromData\19094\20241210-132838.b\MSV_19094_25mL.m

Limit Group:

MSV - 8260C_D

Last Update:

11-Dec-2024 07:49:03

Calib Date:

15-Oct-2024 00:00:30

Integrator:

RTE

ID Type:

Deconvolution ID

Quant Method:

Internal Standard

Quant By:

Initial Calibration

Last ICal File:

\\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X18.D

Column 1 :

Rxi-624Sil MS Capillary Column (0.25 mm)

Det:

MS Quad

Process Host:

CTX1687

First Level Reviewer: FQ4L

Date: 11-Dec-2024 07:49:03

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

\$ 166 BFB

95

5.050

5.050

0.000

90

439277

NR

NR

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

MSV_V_BFB_00018

Amount Added: 1.00

Units: uL

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20241210-132838.b\HD10T01.D

Injection Date: 10-Dec-2024 09:28:30

Instrument ID: 19094

Lims ID: BFB

Client ID:

Operator ID: ecr105096

ALS Bottle#: 1 Worklist Smp#: 1

Injection Vol: 1.0 uL

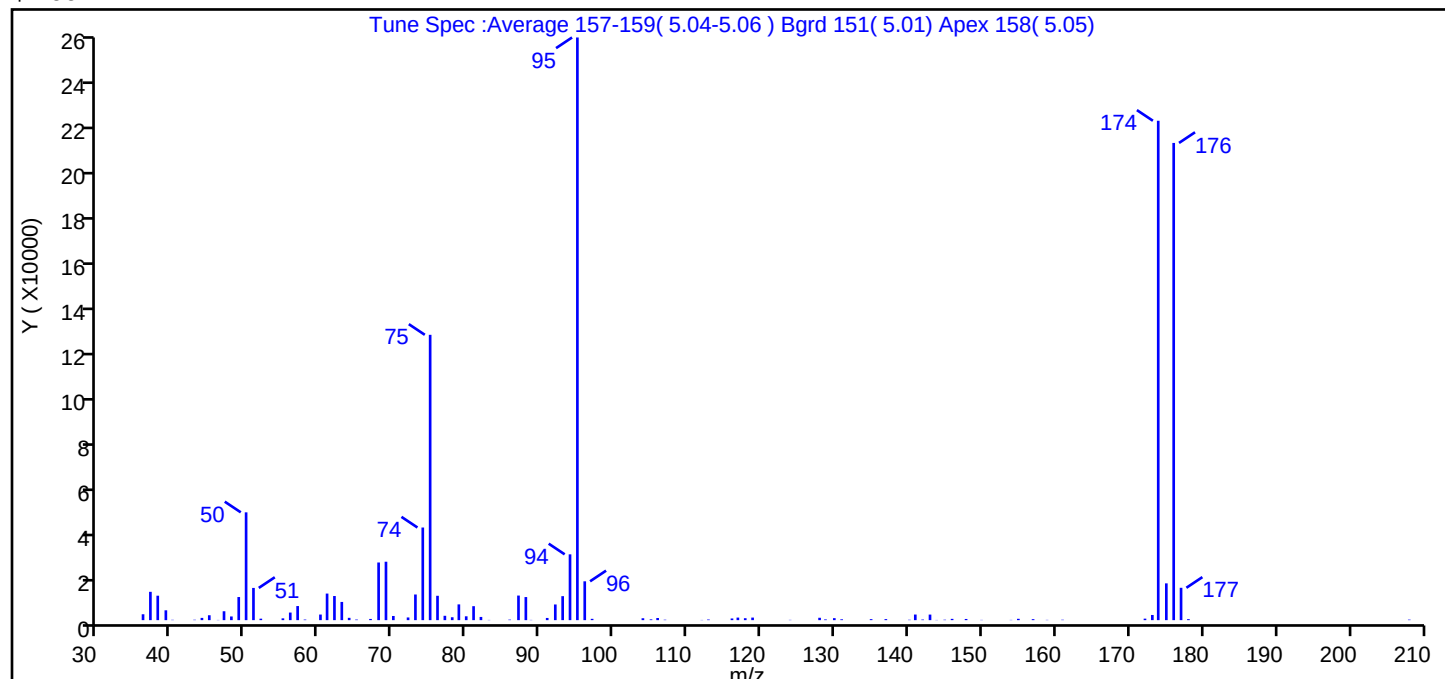
Dil. Factor: 1.0000

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

Tune Method: BFB Method 8260

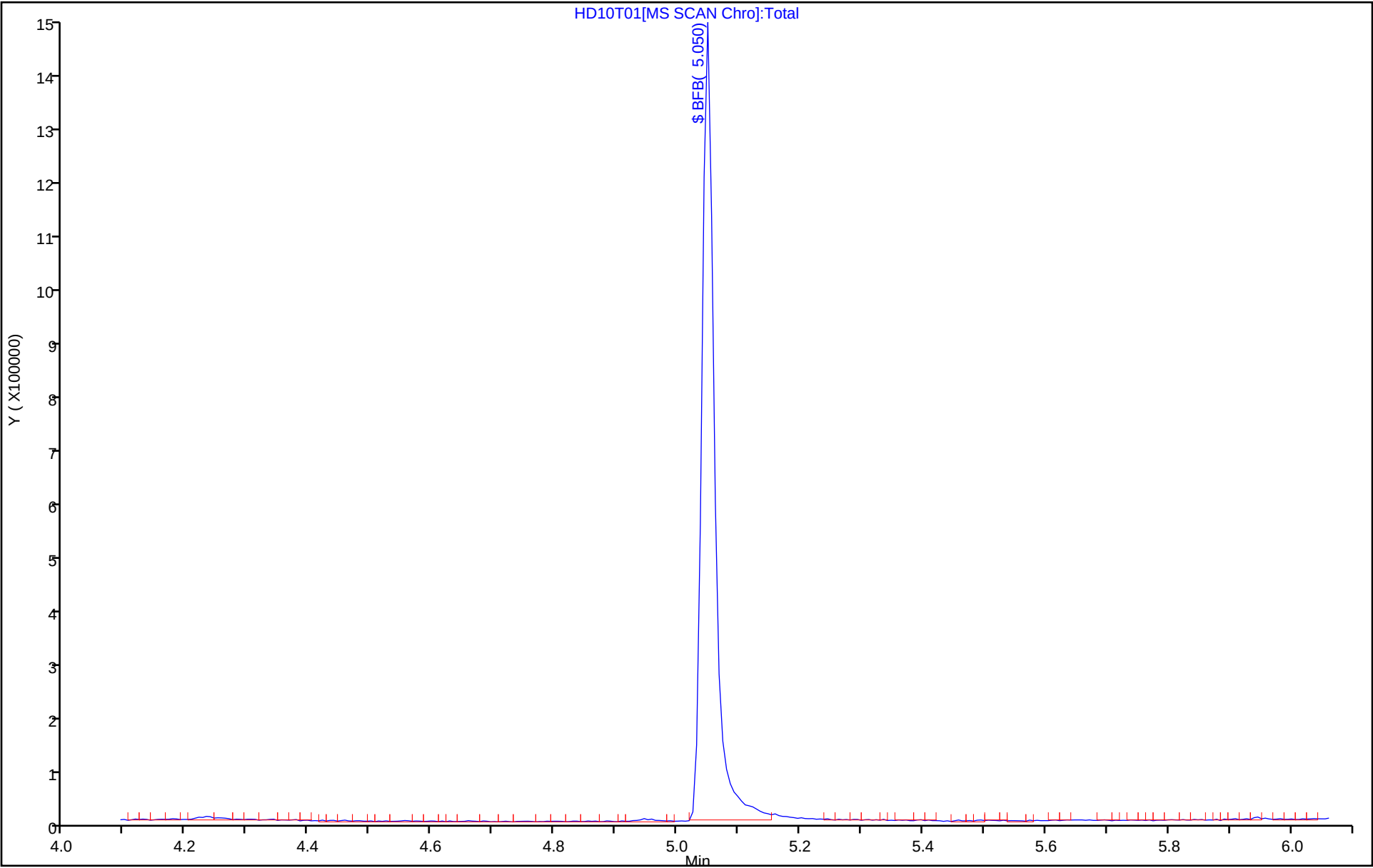
\$ 166 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	18.5
75	30 to 60% of m/z 95	49.0
96	5 to 9% of m/z 95	6.7
173	Less than 2% of m/z 174	0.9 (1.0)
174	50 to 120% of m/z 95	85.7
175	5 to 9% of m/z 174	6.3 (7.4)
176	Greater than 95% but less than 101% of m/z 174	81.9 (95.6)
177	5 to 9% of m/z 176	5.6 (6.8)

Data File: \\chromfs\Lancaster\ChromData\19094\20241210-132838.b\HD10T01.D\MSV_19094_25mL.rslt\spectra.d
Injection Date: 10-Dec-2024 09:28:30
Spectrum: Tune Spec :Average 157-159(5.04-5.06) Bgrd 151(5.01) Apex 158(5.05)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 92

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2566	64.00	1008	92.00	6830	140.00	169
37.00	12339	65.00	255	93.00	10450	141.00	2444
38.00	10649	67.00	525	94.00	28672	142.00	259
39.00	4289	68.00	25120	95.00	253888	143.00	2425
40.00	143	69.00	25456	96.00	16920	144.00	84
43.00	174	70.00	1813	97.00	571	145.00	187
44.00	981	72.00	1168	104.00	825	146.00	559
45.00	2133	73.00	11176	105.00	342	148.00	510
46.00	90	74.00	40360	106.00	932	150.00	108
47.00	3876	75.00	124328	107.00	186	154.00	108
48.00	1603	76.00	10614	112.00	87	155.00	584
49.00	10069	77.00	1895	113.00	271	157.00	424
50.00	46976	78.00	1260	116.00	728	159.00	116
51.00	14040	79.00	6865	117.00	1112	161.00	179
52.00	641	80.00	1675	118.00	843	172.00	653
55.00	784	81.00	6087	119.00	1117	173.00	2252
56.00	3307	82.00	1396	124.00	120	174.00	217600
57.00	6140	83.00	94	128.00	1032	175.00	16026
58.00	254	86.00	229	129.00	314	176.00	207936
60.00	2441	87.00	10715	130.00	865	177.00	14102
61.00	11578	88.00	10061	131.00	363	178.00	430
62.00	10511	89.00	100	135.00	429	207.00	9
63.00	7932	91.00	954	137.00	446	208.00	224



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-198585-1

SDG No.:

Client Sample ID:

Lab Sample ID: MB 410-581872/6

Matrix: Water

Lab File ID: HD04X05.D

Analysis Method: 8260D

Date Collected:

Sample wt/vol: 25 (mL)

Date Analyzed: 12/04/2024 10:53

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 581872

Units: ug/L

Preparation Batch No.:

Instrument ID: 19094

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC	Job No.: 410-198585-1
SDG No.:	
Client Sample ID:	Lab Sample ID: MB 410-581872/6
Matrix: Water	Lab File ID: HD04X05.D
Analysis Method: 8260D	Date Collected:
Sample wt/vol: 25 (mL)	Date Analyzed: 12/04/2024 10:53
Soil Aliquot Vol:	Dilution Factor: 1
Soil Extract Vol.:	GC Column: R-624SilMS 30m ID: 0.25 (mm)
Purge Volume: 25.0 (mL)	Heated Purge: (Y/N) N pH:
% Moisture: % Solids:	Level: (low/med) Low
Analysis Batch No.: 581872	Units: ug/L
Preparation Batch No.:	Instrument ID: 19094

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)	99		80-120
460-00-4	4-Bromofluorobenzene (Surr)	103		80-120
1868-53-7	Dibromofluoromethane (Surr)	106		80-120
2037-26-5	Toluene-d8 (Surr)	95		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20241204-132298.b\HD04X05.D
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 04-Dec-2024 10:53:30 ALS Bottle#: 5 Worklist Smp#: 6
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0132298-006
 Misc. Info.: MB
 Operator ID: ecr105096 Instrument ID: 19094
 Method: \\chromfs\Lancaster\ChromData\19094\20241204-132298.b\MSV_19094_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 04-Dec-2024 13:03:36 Calib Date: 15-Oct-2024 00:00:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1623

First Level Reviewer: N7YK

Date: 04-Dec-2024 11:37:52

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					ND	
2 Dichlorodifluoromethane	85		1.855					ND	
3 Chlorodifluoromethane	51		1.861					ND	
4 Dimethyl ether	45		1.922					ND	
5 Chloromethane	50		2.038					ND	7
7 Butadiene	39		2.135					ND	7
6 Vinyl chloride	62		2.148					ND	
8 2-Chloro-1,1,1-Trifluoroethane	118		2.202					ND	
9 Bromomethane	94		2.459					ND	
10 Chloroethane	64		2.507					ND	
11 Dichlorofluoromethane	67		2.727					ND	
12 Trichlorofluoromethane	101		2.818					ND	
14 Ethyl ether	59		3.025					ND	
15 1,2-Dichloro-1,1,2-trifluoroetha	67		3.093					ND	
13 Ethanol	45		3.111					ND	
16 Acrolein	56		3.172					ND	
17 1,1-Dichloroethene	96		3.306					ND	
19 Acetone	43		3.336					ND	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.342					ND	
21 Iodomethane	142		3.489					ND	
22 Ethyl bromide	108		3.513					ND	
23 Carbon disulfide	76		3.592					ND	7
24 Methyl acetate	43		3.720					ND	
25 Acetonitrile	41		3.727					ND	
26 3-Chloro-1-propene	41		3.739					ND	
* 28 t-Butyl alcohol-d10 (IS)	65	3.928	3.903	0.025	96	121146	50.0	50.0	
27 Methylene Chloride	84		3.909					ND	
29 2-Methyl-2-propanol	59		4.031					ND	
31 Acrylonitrile	53		4.226					ND	
32 Methyl tert-butyl ether	73		4.281					ND	
33 trans-1,2-Dichloroethene	96		4.306					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
34 Hexane	57		4.726					ND	
35 Vinyl acetate	43		4.940					ND	
36 1,1-Dichloroethane	63		4.964					ND	
37 Isopropyl ether	45		5.019					ND	
38 2-Chloro-1,3-butadiene	53		5.068					ND	
40 Tert-butyl ethyl ether	59		5.562					ND	
41 2-Butanone (MEK)	43		5.751					ND	
42 cis-1,2-Dichloroethene	96		5.799					ND	
43 2,2-Dichloropropane	77		5.812					ND	
45 Ethyl acetate	43		5.842					ND	
44 Propionitrile	54		5.842					ND	
47 Methacrylonitrile	67		6.055					ND	
48 Chlorobromomethane	128		6.141					ND	
49 Tetrahydrofuran	71		6.147					ND	
S 46 1,2-Dichloroethene, Total	100		6.155					ND	7
50 Chloroform	83		6.293					ND	
51 Methyl acrylate	55		6.482					ND	
\$ 52 Dibromofluoromethane (Surr)	113	6.501	6.506	-0.005	94	602646	10.0	10.6	
53 1,1,1-Trichloroethane	97		6.519					ND	
54 Cyclohexane	56		6.622					ND	
56 Carbon tetrachloride	117		6.738					ND	
55 1,1-Dichloropropene	75		6.738					ND	
57 Isobutyl alcohol	41		6.891					ND	
\$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.970	6.958	0.012	47	114635	10.0	9.91	
59 Benzene	78		7.000					ND	7
60 1,2-Dichloroethane	62		7.067					ND	7
61 Isopropyl acetate	43		7.092					ND	
63 Tert-amyl methyl ether	73		7.201					ND	
62 1-Chlorobutane	56	7.409	7.250	0.159	34	14043		NC	
* 64 Fluorobenzene (IS)	96	7.409	7.415	-0.006	98	2437169	10.0	10.0	
65 n-Heptane	43		7.433					ND	U
67 n-Butanol	56		7.793					ND	
66 t-Amyl alcohol	73		7.842					ND	
68 Trichloroethene	95		7.903					ND	
69 Methylcyclohexane	83		8.220					ND	
70 1,2-Dichloropropane	63		8.238					ND	
71 2-ethoxy-2-methyl butane	87		8.256					ND	
72 Methyl methacrylate	69		8.335					ND	
73 1,4-Dioxane	88		8.335					ND	
74 Dibromomethane	93		8.348					ND	
75 n-Propyl acetate	61		8.421					ND	
76 Dichlorobromomethane	83		8.591					ND	
77 2-Nitropropane	41		8.854					ND	
78 2-Chloroethyl vinyl ether	63		8.963					ND	
79 1-Bromo-2-chloroethane	63		8.988					ND	
80 cis-1,3-Dichloropropene	75		9.158					ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.341					ND	
81 Chloroacetonitrile	75		9.427					ND	
\$ 83 Toluene-d8 (Surr)	98	9.482	9.482	0.000	94	2610243	10.0	9.52	
84 Toluene	92		9.561					ND	
85 trans-1,3-Dichloropropene	75		9.841					ND	
104 Ethyl methacrylate	69		9.908					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
106 1,1,2-Trichloroethane	97		10.048					ND	
S 105 1,3-Dichloropropene, Total	100		10.060					ND	7
107 Tetrachloroethene	166		10.140					ND	
108 1,3-Dichloropropane	76		10.213					ND	
109 2-Hexanone	43		10.274					ND	
110 n-Butyl acetate	43		10.402					ND	
111 Chlorodibromomethane	129		10.439					ND	
112 Ethylene Dibromide	107		10.548					ND	
* 113 Chlorobenzene-d5 (IS)	117	10.994	10.993	0.001	87	2000490	10.0	10.0	
114 1-Chlorohexane	91		11.006					ND	7
115 Chlorobenzene	112		11.018					ND	7
116 1,1,1,2-Tetrachloroethane	131		11.109					ND	
117 Ethylbenzene	91		11.109					ND	7
119 m-Xylene & p-Xylene	106		11.231					ND	
S 118 Xylenes, Total	106		11.245					ND	7
120 o-Xylene	106		11.566					ND	
121 Styrene	104		11.579					ND	
122 Bromoform	173		11.737					ND	
123 Isopropylbenzene	105		11.871					ND	
124 cis-1,4-Dichloro-2-butene	88		11.914					ND	
125 Cyclohexanone	55		11.944					ND	
\$ 126 4-Bromofluorobenzene (Surr)	95	12.018	12.018	0.000	90	1013995	10.0	10.3	
127 1,1,2,2-Tetrachloroethane	83		12.121					ND	
128 Bromobenzene	156		12.133					ND	
129 trans-1,4-Dichloro-2-butene	53		12.146					ND	
130 1,2,3-Trichloropropane	110		12.164					ND	
131 N-Propylbenzene	91		12.207					ND	7
132 2-Chlorotoluene	126		12.280					ND	
133 1,3,5-Trimethylbenzene	105		12.341					ND	7
134 4-Chlorotoluene	126		12.371					ND	
135 tert-Butylbenzene	134		12.585					ND	
136 Pentachloroethane	167		12.615					ND	
137 1,2,4-Trimethylbenzene	105		12.627					ND	7
138 sec-Butylbenzene	105		12.749					ND	7
139 1,3-Dichlorobenzene	146		12.847					ND	7
140 4-Isopropyltoluene	119		12.859					ND	7
* 141 1,4-Dichlorobenzene-d4	152	12.908	12.908	0.000	96	1111132	10.0	10.0	
142 1,4-Dichlorobenzene	146		12.926					ND	7
143 1,2,3-Trimethylbenzene	120		12.932					ND	7
144 Benzyl chloride	126		12.999					ND	7
145 p-Diethylbenzene	119		13.133					ND	U
146 n-Butylbenzene	92		13.158					ND	7
147 1,2-Dichlorobenzene	146		13.182					ND	
148 Hexachloroethane	201		13.682					ND	
149 1,2-Dibromo-3-Chloropropane	155		13.731					ND	
150 1,3,5-Trichlorobenzene	180		13.859					ND	7
151 1,2,4-Trichlorobenzene	180		14.279					ND	7
152 Hexachlorobutadiene	225	14.365	14.365	0.000	92	2791		0.0784	
153 Naphthalene	128		14.462					ND	7
154 1,2,3-Trichlorobenzene	180		14.602					ND	7
155 tert-Butyl Formate	1		0.000					ND	
156 Dodecane	57		0.000					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
157 Pentane	43		0.000					ND	
158 1,1-Dichloroacetone	1		0.000					ND	
159 n-Decane	57		0.000					ND	
160 1-Bromo-3-Chloropropane	1		0.000					ND	
161 1-Chloropropane	1		0.000					ND	
162 Propene oxide	1		0.000					ND	
163 1,1-Dichloro-1-fluoroethane	1		0.000					ND	
164 Methylal	1		0.000					ND	
165 2-Bromo-1-chloropropane	1		0.000					ND	
209 1,1-Dichloro-1-fluoroethane TIC1			0.000					ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

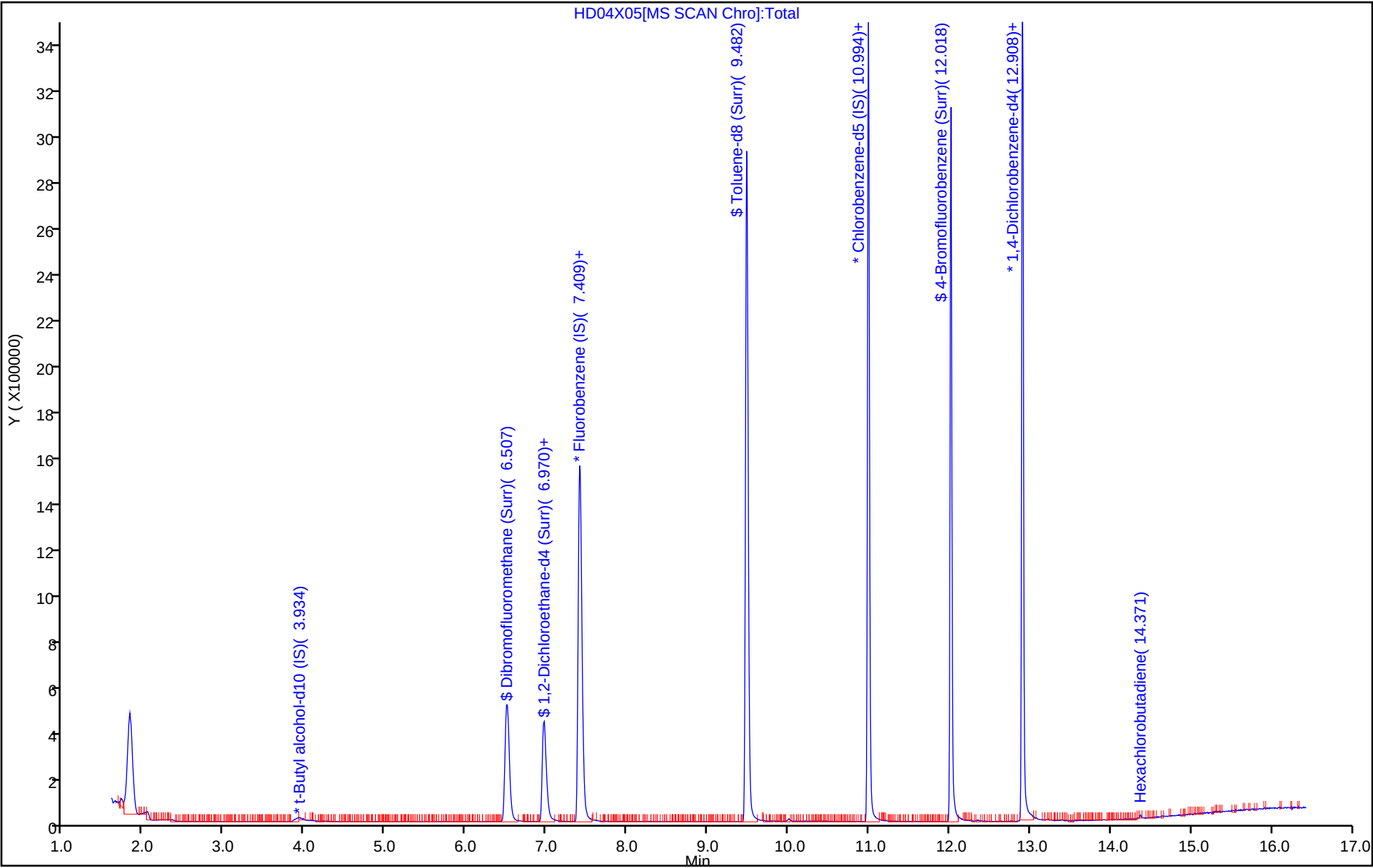
Reagents:

MSV_LLcentISS_00013

Amount Added: 5.00

Units: uL

Run Reagent



Eurofins Lancaster Laboratories Environment Testing, LLC
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\19094\20241204-132298.b\HD04X05.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 04-Dec-2024 10:53:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0132298-006
Misc. Info.: MB
Operator ID: ecr105096 Instrument ID: 19094
Method: \\chromfs\Lancaster\ChromData\19094\20241204-132298.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 04-Dec-2024 13:03:36 Calib Date: 15-Oct-2024 00:00:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X18.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1623

First Level Reviewer: N7YK

Date: 04-Dec-2024 11:37:52

Compound	Amount Added	Amount Recovered	% Rec.
\$ 52 Dibromofluoromethane (Surr)	10.0	10.6	105.99
\$ 58 1,2-Dichloroethane-d4 (Surr)	10.0	9.91	99.14
\$ 83 Toluene-d8 (Surr)	10.0	9.52	95.19
\$ 126 4-Bromofluorobenzene (Surr)	10.0	10.3	103.13

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-198585-1

SDG No.:

Client Sample ID:

Lab Sample ID: MB 410-581981/10

Matrix: Water

Lab File ID: GD04X09.D

Analysis Method: 8260D

Date Collected:

Sample wt/vol: 25 (mL)

Date Analyzed: 12/04/2024 14:14

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 581981

Units: ug/L

Preparation Batch No.:

Instrument ID: 16334

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.: 410-198585-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 410-581981/10

Matrix: Water Lab File ID: GD04X09.D

Analysis Method: 8260D Date Collected: _____

Sample wt/vol: 25 (mL) Date Analyzed: 12/04/2024 14:14

Soil Aliquot Vol: _____ Dilution Factor: 1

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

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

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

Analysis Batch No.: 581981 Units: ug/L

Preparation Batch No.: _____ Instrument ID: 16334

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)	99		80-120
460-00-4	4-Bromofluorobenzene (Surr)	97		80-120
1868-53-7	Dibromofluoromethane (Surr)	98		80-120
2037-26-5	Toluene-d8 (Surr)	99		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X09.D
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 04-Dec-2024 14:14:30 ALS Bottle#: 9 Worklist Smp#: 10
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0132342-010
 Misc. Info.: MB
 Operator ID: knk41612 Instrument ID: 16334
 Method: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\MSV_16334_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 10-Dec-2024 07:13:41 Calib Date: 03-Dec-2024 18:18:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1605

First Level Reviewer: FQ4L

Date: 10-Dec-2024 07:13:41

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85		1.703					ND	
3 Chlorodifluoromethane	51		1.763					ND	
1 Chlorotrifluoroethene	116		1.764					ND	
5 Chloromethane	50		1.873					ND	
4 Dimethyl ether	45	1.898	1.885	0.013	8	800		NC	
7 Butadiene	39		1.959					ND	7
6 Vinyl chloride	62		1.977					ND	
8 2-Chloro-1,1,1-Trifluoroethane	118		2.148					ND	
9 Bromomethane	94		2.264					ND	
10 Chloroethane	64		2.300					ND	
11 Dichlorofluoromethane	67		2.501					ND	
12 Trichlorofluoromethane	101		2.593					ND	
13 Ethyl ether	59		2.763					ND	
16 1,2-Dichloro-1,1,2-trifluoroethane	67		2.837					ND	
17 Acrolein	56		2.904					ND	
18 1,1-Dichloroethene	96		3.020					ND	
19 Acetone	43		3.050					ND	
20 1,1,2-Trichloro-1,2,2-trifluoroethane	101		3.062					ND	
21 Isopropyl alcohol	45		3.172					ND	
14 Ethanol	45		3.184					ND	
22 Iodomethane	142		3.184					ND	
23 Ethyl bromide	108		3.208					ND	
24 Carbon disulfide	76		3.269					ND	7
25 Methyl acetate	43		3.404					ND	
27 3-Chloro-1-propene	41		3.416					ND	
29 Methylene Chloride	84		3.574					ND	
26 Acetonitrile	41		3.580					ND	
* 30 t-Butyl alcohol-d10 (IS)	65	3.586	3.617	-0.031	21	53581	50.0	50.0	
31 2-Methyl-2-propanol	59		3.702					ND	
32 Acrylonitrile	53		3.879					ND	
34 trans-1,2-Dichloroethene	96		3.928					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		3.928					ND	
35 Hexane	57		4.318					ND	
37 1,1-Dichloroethane	63		4.556					ND	
38 Isopropyl ether	45		4.629					ND	
39 2-Chloro-1,3-butadiene	53		4.672					ND	
36 Vinyl acetate	43		4.836					ND	
40 Tert-butyl ethyl ether	59		5.184					ND	
41 2-Butanone (MEK)	43		5.391					ND	
42 cis-1,2-Dichloroethene	96		5.415					ND	
43 2,2-Dichloropropane	77		5.428					ND	
45 Propionitrile	54		5.476					ND	
48 Methacrylonitrile	67		5.696					ND	
49 Chlorobromomethane	128		5.751					ND	
44 Ethyl acetate	43		5.763					ND	
50 Tetrahydrofuran	71		5.769					ND	
51 Chloroform	83		5.915					ND	
\$ 52 Dibromofluoromethane (Surr)	113	6.135	6.135	0.000	93	494290	10.0	9.83	
46 Methyl acrylate	55		6.141					ND	
53 1,1,1-Trichloroethane	97		6.141					ND	
S 47 1,2-Dichloroethene, Total	100		6.155					ND	7
54 Cyclohexane	56		6.238					ND	
55 Carbon tetrachloride	117		6.354					ND	
56 1,1-Dichloropropene	75		6.360					ND	
58 Isobutyl alcohol	41		6.568					ND	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.592	6.592	0.000	65	94999	10.0	9.91	
60 Benzene	78		6.622					ND	
61 1,2-Dichloroethane	62		6.696					ND	
62 Isopropyl acetate	43		6.842					ND	
63 Tert-amyl methyl ether	73		6.842					ND	
* 64 Fluorobenzene (IS)	96	7.043	7.043	0.000	99	2130718	10.0	10.0	
57 1-Chlorobutane	56	7.043	7.067	-0.024	33	12376		NC	
65 n-Heptane	43		7.068					ND	7
67 n-Butanol	56		7.482					ND	
68 Trichloroethene	95		7.531					ND	
69 Methylcyclohexane	83		7.842					ND	
70 1,2-Dichloropropane	63		7.866					ND	
66 t-Amyl alcohol	73		7.903					ND	
71 2-ethoxy-2-methyl butane	87		7.903					ND	
74 Dibromomethane	93		7.976					ND	
73 1,4-Dioxane	88		7.982					ND	
72 Methyl methacrylate	69		7.982					ND	
76 Dichlorobromomethane	83		8.226					ND	
75 n-Propyl acetate	61		8.305					ND	
77 2-Nitropropane	41		8.512					ND	
79 1-Bromo-2-chloroethane	63		8.622					ND	
81 cis-1,3-Dichloropropene	75		8.799					ND	
78 2-Chloroethyl vinyl ether	63		8.842					ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.006					ND	
\$ 83 Toluene-d8 (Surr)	98	9.140	9.134	0.006	94	2131358	10.0	9.91	
80 Chloroacetonitrile	75	9.140	9.158	-0.018	22	124		NC	
84 Toluene	92		9.220					ND	
85 trans-1,3-Dichloropropene	75		9.518					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		9.604					ND	
107 1,1,2-Trichloroethane	97		9.732					ND	
108 Tetrachloroethene	166		9.823					ND	
109 1,3-Dichloropropane	76		9.908					ND	
110 2-Hexanone	43		9.988					ND	
S 106 1,3-Dichloropropene, Total	100		10.060					ND	7
112 Chlorodibromomethane	129		10.134					ND	
111 n-Butyl acetate	43		10.237					ND	
113 Ethylene Dibromide	107		10.244					ND	
* 114 Chlorobenzene-d5 (IS)	117	10.707	10.707	0.000	86	1548849	10.0	10.0	
116 Chlorobenzene	112		10.731					ND	
115 1-Chlorohexane	91		10.731					ND	7
117 1,1,1,2-Tetrachloroethane	131		10.823					ND	
118 Ethylbenzene	91		10.829					ND	
120 m-Xylene & p-Xylene	106		10.951					ND	
S 119 Xylenes, Total	106		11.245					ND	7
121 o-Xylene	106		11.292					ND	
122 Styrene	104		11.304					ND	
123 Bromoform	173		11.457					ND	
124 Isopropylbenzene	105		11.603					ND	
125 cis-1,4-Dichloro-2-butene	88		11.743					ND	
\$ 127 4-Bromofluorobenzene (Surr)	95	11.743	11.743	0.000	89	719812	10.0	9.70	
128 1,1,2,2-Tetrachloroethane	83		11.859					ND	
129 Bromobenzene	156		11.859					ND	
126 Cyclohexanone	55		11.883					ND	
130 trans-1,4-Dichloro-2-butene	53		11.884					ND	
131 1,2,3-Trichloropropane	110		11.902					ND	
132 N-Propylbenzene	91		11.939					ND	
133 2-Chlorotoluene	126		12.012					ND	
134 1,3,5-Trimethylbenzene	105		12.079					ND	
135 4-Chlorotoluene	126		12.103					ND	
136 tert-Butylbenzene	134		12.323					ND	
137 Pentachloroethane	167		12.353					ND	
138 1,2,4-Trimethylbenzene	105		12.365					ND	
139 sec-Butylbenzene	105		12.487					ND	
140 1,3-Dichlorobenzene	146		12.585					ND	7
141 4-Isopropyltoluene	119		12.603					ND	7
* 142 1,4-Dichlorobenzene-d4	152	12.639	12.640	-0.001	95	806997	10.0	10.0	
143 1,4-Dichlorobenzene	146		12.658					ND	7
144 1,2,3-Trimethylbenzene	120		12.670					ND	7
145 Benzyl chloride	126		12.737					ND	
146 p-Diethylbenzene	119		12.877					ND	U
147 n-Butylbenzene	92		12.896					ND	7
148 1,2-Dichlorobenzene	146		12.920					ND	
150 1,2-Dibromo-3-Chloropropane	155		13.463					ND	
149 Hexachloroethane	201		13.499					ND	
151 1,3,5-Trichlorobenzene	180		13.591					ND	7
152 1,2,4-Trichlorobenzene	180		14.011					ND	7
153 Hexachlorobutadiene	225		14.103					ND	7
154 Naphthalene	128	14.206	14.188	0.018	91	2858		0.0257	
155 1,2,3-Trichlorobenzene	180	14.334	14.334	0.000	88	1758		0.0270	
156 2-Methylnaphthalene	142	14.926	14.920	0.006	89	4709		0.2041	

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	43		0.000					ND	
167 Pentane	43	2.782	2.757	0.025	12	281			NR

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

NC - Not Calibrated

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

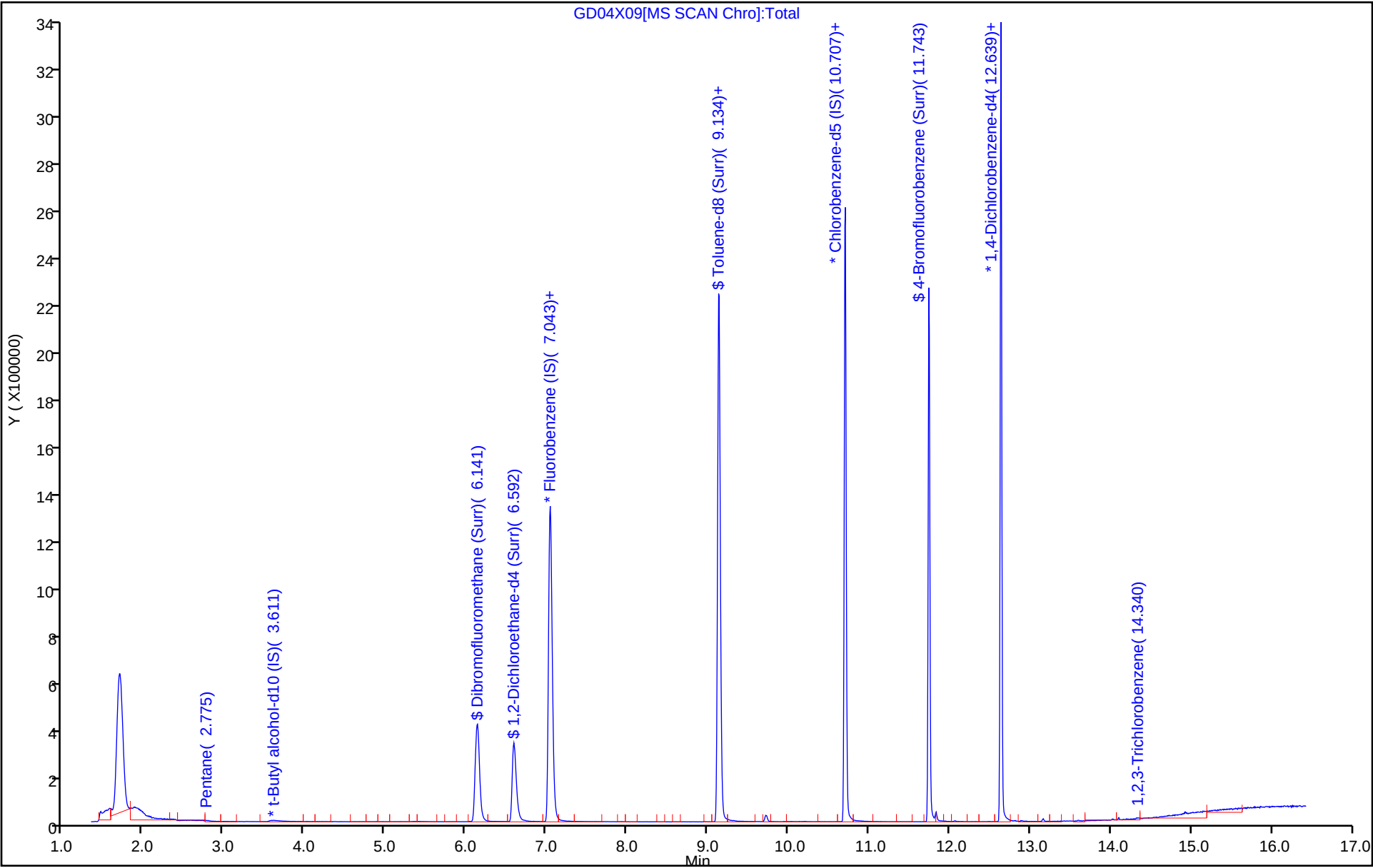
Reagents:

MSV_29_826ISS_00057

Amount Added: 1.20

Units: uL

Run Reagent



Eurofins Lancaster Laboratories Environment Testing, LLC
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X09.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 04-Dec-2024 14:14:30 ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0132342-010
Misc. Info.: MB
Operator ID: knk41612 Instrument ID: 16334
Method: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 10-Dec-2024 07:13:41 Calib Date: 03-Dec-2024 18:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X18.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1605

First Level Reviewer: FQ4L

Date: 10-Dec-2024 07:13:41

Compound	Amount Added	Amount Recovered	% Rec.
\$ 52 Dibromofluoromethane (Surr)	10.0	9.83	98.32
\$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	9.91	99.05
\$ 83 Toluene-d8 (Surr)	10.0	9.91	99.14
\$ 127 4-Bromofluorobenzene (Surr)	10.0	9.70	96.96

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-198585-1

SDG No.:

Client Sample ID:

Lab Sample ID: MB 410-584018/7

Matrix: Water

Lab File ID: HD10X06.D

Analysis Method: 8260D

Date Collected:

Sample wt/vol: 25 (mL)

Date Analyzed: 12/10/2024 11:26

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 584018

Units: ug/L

Preparation Batch No.:

Instrument ID: 19094

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.: 410-198585-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 410-584018/7

Matrix: Water Lab File ID: HD10X06.D

Analysis Method: 8260D Date Collected: _____

Sample wt/vol: 25 (mL) Date Analyzed: 12/10/2024 11:26

Soil Aliquot Vol: _____ Dilution Factor: 1

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

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

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

Analysis Batch No.: 584018 Units: ug/L

Preparation Batch No.: _____ Instrument ID: 19094

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)	99		80-120
1868-53-7	Dibromofluoromethane (Surr)	105		80-120
2037-26-5	Toluene-d8 (Surr)	97		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20241210-132838.b\HD10X06.D
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 10-Dec-2024 11:26:30 ALS Bottle#: 6 Worklist Smp#: 7
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0132838-007
 Misc. Info.: MB
 Operator ID: ecr105096 Instrument ID: 19094
 Method: \\chromfs\Lancaster\ChromData\19094\20241210-132838.b\MSV_19094_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 10-Dec-2024 13:23:41 Calib Date: 15-Oct-2024 00:00:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1657

First Level Reviewer: N7YK

Date: 10-Dec-2024 12:24:46

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116		1.812					ND	
3 Chlorodifluoromethane	51		1.861					ND	7
2 Dichlorodifluoromethane	85		1.861					ND	
4 Dimethyl ether	45		1.922					ND	
5 Chloromethane	50		2.044					ND	
7 Butadiene	39		2.142					ND	7
6 Vinyl chloride	62		2.154					ND	
8 2-Chloro-1,1,1-Trifluoroethane	118		2.202					ND	
9 Bromomethane	94		2.471					ND	
10 Chloroethane	64		2.520					ND	
11 Dichlorofluoromethane	67		2.733					ND	
12 Trichlorofluoromethane	101		2.824					ND	
14 Ethyl ether	59		3.026					ND	
15 1,2-Dichloro-1,1,2-trifluoroetha	67		3.093					ND	
13 Ethanol	45		3.111					ND	
16 Acrolein	56		3.178					ND	
17 1,1-Dichloroethene	96		3.312					ND	
19 Acetone	43		3.336					ND	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.343					ND	
21 Iodomethane	142		3.495					ND	
22 Ethyl bromide	108		3.519					ND	
23 Carbon disulfide	76		3.599					ND	7
24 Methyl acetate	43		3.714					ND	
25 Acetonitrile	41		3.727					ND	
26 3-Chloro-1-propene	41		3.745					ND	
27 Methylene Chloride	84		3.916					ND	
* 28 t-Butyl alcohol-d10 (IS)	65	3.940	3.922	0.018	98	128415	50.0	50.0	
29 2-Methyl-2-propanol	59		4.025					ND	
31 Acrylonitrile	53		4.233					ND	
32 Methyl tert-butyl ether	73		4.287					ND	
33 trans-1,2-Dichloroethene	96		4.312					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
34 Hexane	57		4.726					ND	
35 Vinyl acetate	43		4.940					ND	
36 1,1-Dichloroethane	63		4.964					ND	
37 Isopropyl ether	45		5.019					ND	
38 2-Chloro-1,3-butadiene	53		5.068					ND	
40 Tert-butyl ethyl ether	59		5.568					ND	
41 2-Butanone (MEK)	43		5.757					ND	
42 cis-1,2-Dichloroethene	96		5.799					ND	
43 2,2-Dichloropropane	77		5.818					ND	
45 Ethyl acetate	43		5.842					ND	
44 Propionitrile	54		5.842					ND	
47 Methacrylonitrile	67		6.062					ND	
48 Chlorobromomethane	128		6.141					ND	
49 Tetrahydrofuran	71		6.141					ND	
S 46 1,2-Dichloroethene, Total	100		6.155					ND	7
50 Chloroform	83		6.293					ND	
51 Methyl acrylate	55		6.482					ND	
\$ 52 Dibromofluoromethane (Surr)	113	6.507	6.507	0.000	94	564973	10.0	10.5	
53 1,1,1-Trichloroethane	97		6.525					ND	
54 Cyclohexane	56		6.628					ND	
55 1,1-Dichloropropene	75		6.738					ND	
56 Carbon tetrachloride	117		6.738					ND	
57 Isobutyl alcohol	41		6.891					ND	
\$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.970	6.964	0.006	47	111599	10.0	10.2	
59 Benzene	78		7.000					ND	7
60 1,2-Dichloroethane	62		7.074					ND	
61 Isopropyl acetate	43		7.092					ND	
63 Tert-amyl methyl ether	73		7.208					ND	
62 1-Chlorobutane	56	7.421	7.250	0.171	33	13813		NC	
* 64 Fluorobenzene (IS)	96	7.415	7.415	0.000	99	2311507	10.0	10.0	
65 n-Heptane	43		7.433					ND	7
67 n-Butanol	56		7.799					ND	
66 t-Amyl alcohol	73		7.842					ND	
68 Trichloroethene	95		7.903					ND	
69 Methylcyclohexane	83		8.220					ND	
70 1,2-Dichloropropane	63		8.238					ND	
71 2-ethoxy-2-methyl butane	87		8.256					ND	
72 Methyl methacrylate	69		8.335					ND	
73 1,4-Dioxane	88		8.342					ND	
74 Dibromomethane	93		8.348					ND	
75 n-Propyl acetate	61		8.421					ND	
76 Dichlorobromomethane	83		8.592					ND	
77 2-Nitropropane	41		8.854					ND	
78 2-Chloroethyl vinyl ether	63		8.963					ND	
79 1-Bromo-2-chloroethane	63		8.988					ND	
80 cis-1,3-Dichloropropene	75		9.158					ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.341					ND	
81 Chloroacetonitrile	75		9.427					ND	
\$ 83 Toluene-d8 (Surr)	98	9.482	9.488	-0.006	94	2390982	10.0	9.71	
84 Toluene	92		9.567					ND	
85 trans-1,3-Dichloropropene	75		9.841					ND	
104 Ethyl methacrylate	69		9.908					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
106 1,1,2-Trichloroethane	97		10.049					ND	
S 105 1,3-Dichloropropene, Total	100		10.060					ND	7
107 Tetrachloroethene	166		10.140					ND	
108 1,3-Dichloropropane	76		10.213					ND	
109 2-Hexanone	43		10.274					ND	
110 n-Butyl acetate	43		10.402					ND	
111 Chlorodibromomethane	129		10.439					ND	
112 Ethylene Dibromide	107		10.548					ND	
* 113 Chlorobenzene-d5 (IS)	117	10.994	10.993	0.001	87	1796357	10.0	10.0	
114 1-Chlorohexane	91		11.006					ND	7
115 Chlorobenzene	112		11.024					ND	7
116 1,1,1,2-Tetrachloroethane	131		11.109					ND	
117 Ethylbenzene	91		11.109					ND	7
119 m-Xylene & p-Xylene	106		11.231					ND	
S 118 Xylenes, Total	106		11.245					ND	7
120 o-Xylene	106		11.567					ND	
121 Styrene	104		11.579					ND	
122 Bromoform	173		11.737					ND	
123 Isopropylbenzene	105		11.871					ND	
124 cis-1,4-Dichloro-2-butene	88		11.914					ND	
125 Cyclohexanone	55		11.944					ND	
\$ 126 4-Bromofluorobenzene (Surr)	95	12.018	12.018	0.000	91	872099	10.0	9.88	
127 1,1,2,2-Tetrachloroethane	83		12.121					ND	
128 Bromobenzene	156		12.134					ND	
129 trans-1,4-Dichloro-2-butene	53		12.146					ND	
130 1,2,3-Trichloropropane	110		12.164					ND	
131 N-Propylbenzene	91		12.207					ND	7
132 2-Chlorotoluene	126		12.280					ND	
133 1,3,5-Trimethylbenzene	105		12.341					ND	
134 4-Chlorotoluene	126		12.371					ND	
135 tert-Butylbenzene	134		12.585					ND	
136 Pentachloroethane	167		12.615					ND	
137 1,2,4-Trimethylbenzene	105		12.627					ND	7
138 sec-Butylbenzene	105		12.749					ND	7
139 1,3-Dichlorobenzene	146		12.847					ND	7
140 4-Isopropyltoluene	119		12.859					ND	7
* 141 1,4-Dichlorobenzene-d4	152	12.908	12.908	0.000	95	986992	10.0	10.0	
142 1,4-Dichlorobenzene	146		12.926					ND	7
143 1,2,3-Trimethylbenzene	120		12.932					ND	7
144 Benzyl chloride	126		12.999					ND	
145 p-Diethylbenzene	119		13.133					ND	U
146 n-Butylbenzene	92		13.158					ND	
147 1,2-Dichlorobenzene	146		13.182					ND	
148 Hexachloroethane	201		13.682					ND	
149 1,2-Dibromo-3-Chloropropane	155		13.731					ND	
150 1,3,5-Trichlorobenzene	180		13.859					ND	7
151 1,2,4-Trichlorobenzene	180		14.279					ND	7
152 Hexachlorobutadiene	225	14.377	14.365	0.012	1	1412		0.0446	
153 Naphthalene	128		14.462					ND	7
154 1,2,3-Trichlorobenzene	180		14.603					ND	7
155 tert-Butyl Formate	1		0.000					ND	
156 Dodecane	57		0.000					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
157 Pentane	43		0.000					ND	
158 1,1-Dichloroacetone	1		0.000					ND	
159 n-Decane	57		0.000					ND	
160 1-Bromo-3-Chloropropane	1		0.000					ND	
161 1-Chloropropane	1		0.000					ND	
162 Propene oxide	1		0.000					ND	
163 1,1-Dichloro-1-fluoroethane	1		0.000					ND	
164 Methylal	1		0.000					ND	
165 2-Bromo-1-chloropropane	1		0.000					ND	
209 1,1-Dichloro-1-fluoroethane TIC1			0.000					ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSV_LLcentISS_00013

Amount Added: 5.00

Units: uL

Run Reagent

Report Date: 10-Dec-2024 13:24:08

Chrom Revision: 2.3 12-Nov-2024 16:55:22

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20241210-132838.b\HD10X06.D

Injection Date: 10-Dec-2024 11:26:30

Instrument ID: 19094

Operator ID: ecr105096

Lims ID: MB

Worklist Smp#: 7

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

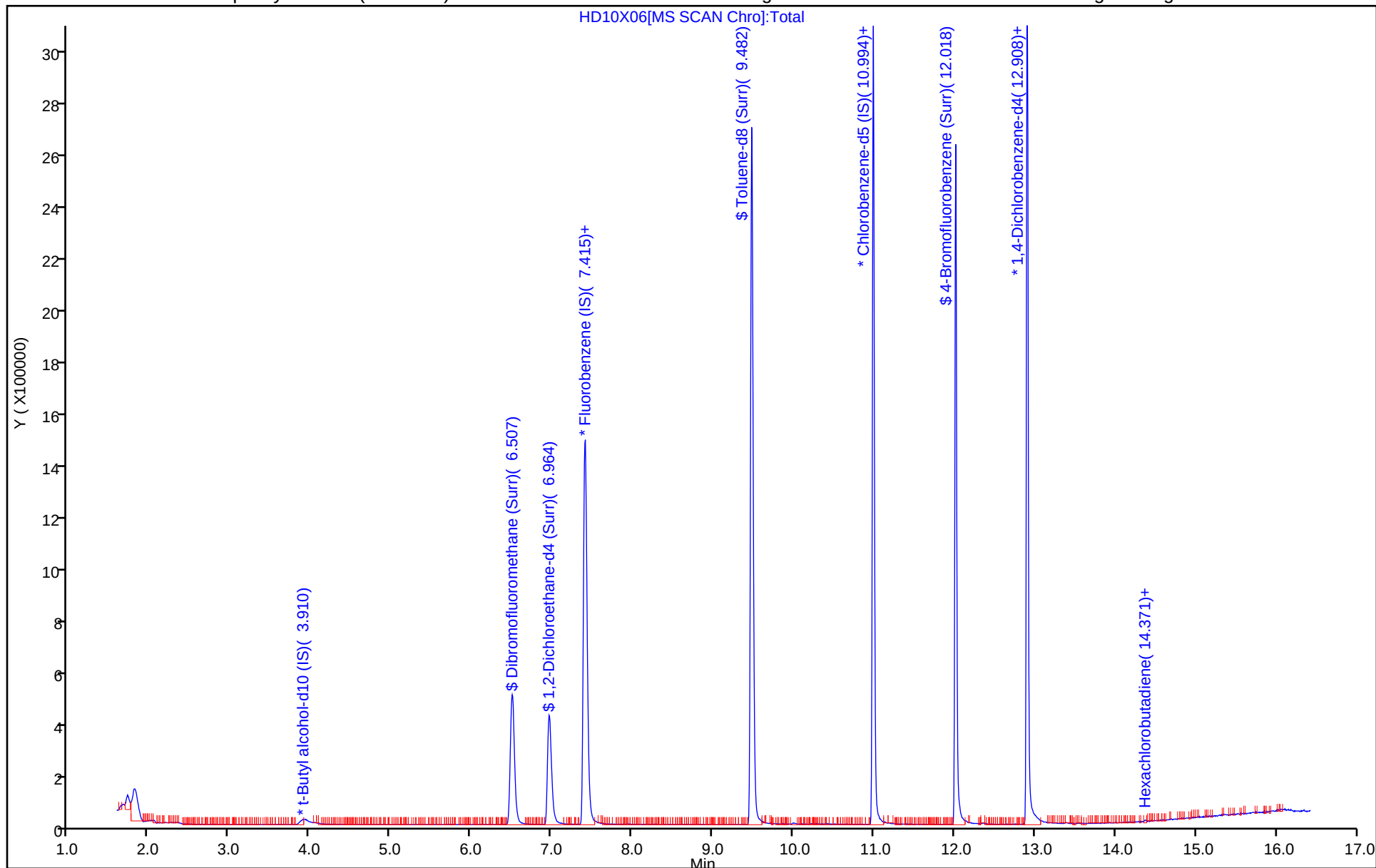
ALS Bottle#: 6

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\19094\20241210-132838.b\HD10X06.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 10-Dec-2024 11:26:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0132838-007
Misc. Info.: MB
Operator ID: ecr105096 Instrument ID: 19094
Method: \\chromfs\Lancaster\ChromData\19094\20241210-132838.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 10-Dec-2024 13:23:41 Calib Date: 15-Oct-2024 00:00:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X18.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1657

First Level Reviewer: N7YK

Date: 10-Dec-2024 12:24:46

Compound	Amount Added	Amount Recovered	% Rec.
\$ 52 Dibromofluoromethane (Surr)	10.0	10.5	104.77
\$ 58 1,2-Dichloroethane-d4 (Surr)	10.0	10.2	101.76
\$ 83 Toluene-d8 (Surr)	10.0	9.71	97.10
\$ 126 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.: 410-198585-1

SDG No.:

Client Sample ID:

Lab Sample ID: LCS 410-581872/7

Matrix: Water

Lab File ID: HD04X06.D

Analysis Method: 8260D

Date Collected:

Sample wt/vol: 25 (mL)

Date Analyzed: 12/04/2024 11:14

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 581872

Units: ug/L

Preparation Batch No.:

Instrument ID: 19094

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	4.68		0.50	0.070
71-55-6	1,1,1-Trichloroethane	5.79		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	4.55		0.50	0.10
79-00-5	1,1,2-Trichloroethane	4.61		0.50	0.080
75-34-3	1,1-Dichloroethane	5.98		0.50	0.10
75-35-4	1,1-Dichloroethene	5.66		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	4.50		0.50	0.080
107-06-2	1,2-Dichloroethane	5.67		0.50	0.070
78-87-5	1,2-Dichloropropane	5.78		0.50	0.10
78-93-3	2-Butanone (MEK)	59.4		5.0	1.0
591-78-6	2-Hexanone	60.3		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	57.4		5.0	1.0
67-64-1	Acetone	47.6		5.0	1.5
71-43-2	Benzene	5.39		0.50	0.10
74-97-5	Bromochloromethane	5.24		0.50	0.080
75-27-4	Bromodichloromethane	5.55		0.50	0.080
75-25-2	Bromoform	4.71		1.0	0.30
74-83-9	Bromomethane	5.49		0.50	0.10
75-15-0	Carbon disulfide	4.63		1.0	0.10
56-23-5	Carbon tetrachloride	6.01		0.50	0.10
108-90-7	Chlorobenzene	4.77		0.50	0.070
75-00-3	Chloroethane	5.71		0.50	0.10
67-66-3	Chloroform	5.73		0.50	0.090
74-87-3	Chloromethane	5.46		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	5.31		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	5.12		0.50	0.10
124-48-1	Dibromochloromethane	4.67		0.50	0.080
100-41-4	Ethylbenzene	4.86		0.50	0.080
1634-04-4	Methyl tert-butyl ether	4.89		0.50	0.080
75-09-2	Methylene Chloride	5.33		0.50	0.20
100-42-5	Styrene	4.61		0.50	0.070
127-18-4	Tetrachloroethene	4.61		0.50	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-198585-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 410-581872/7

Matrix: Water Lab File ID: HD04X06.D

Analysis Method: 8260D Date Collected: _____

Sample wt/vol: 25 (mL) Date Analyzed: 12/04/2024 11:14

Soil Aliquot Vol: _____ Dilution Factor: 1

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

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

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

Analysis Batch No.: 581872 Units: ug/L

Preparation Batch No.: _____ Instrument ID: 19094

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	4.75		0.50	0.080
156-60-5	trans-1,2-Dichloroethene	5.51		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	4.63		0.50	0.080
79-01-6	Trichloroethene	5.49		0.50	0.080
75-01-4	Vinyl chloride	5.56		0.50	0.10
1330-20-7	Xylenes, Total	14.2		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)	102		80-120
1868-53-7	Dibromofluoromethane (Surr)	106		80-120
2037-26-5	Toluene-d8 (Surr)	95		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20241204-132298.b\HD04X06.D
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 04-Dec-2024 11:14:30 ALS Bottle#: 6 Worklist Smp#: 7
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0132298-007
 Operator ID: ecr105096 Instrument ID: 19094
 Method: \\chromfs\Lancaster\ChromData\19094\20241204-132298.b\MSV_19094_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 04-Dec-2024 13:03:36 Calib Date: 15-Oct-2024 00:00:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1623

First Level Reviewer: N7YK

Date: 04-Dec-2024 11:39:05

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	100	330248	5.00	5.89	
5 Chloromethane	50	2.044	2.038	0.006	99	457089	5.00	5.46	
7 Butadiene	39	2.141	2.135	0.006	93	567680	5.00	7.34	
6 Vinyl chloride	62	2.154	2.148	0.006	98	400271	5.00	5.56	
9 Bromomethane	94	2.471	2.459	0.013	91	284493	5.00	5.49	
10 Chloroethane	64	2.519	2.507	0.012	100	264521	5.00	5.71	
11 Dichlorofluoromethane	67	2.733	2.727	0.006	97	668320	5.00	5.63	
12 Trichlorofluoromethane	101	2.824	2.818	0.006	98	480405	5.00	6.07	
15 1,2-Dichloro-1,1,2-trifluoroethane	67	3.093	3.093	-0.001	95	388463	5.00	5.82	
17 1,1-Dichloroethene	96	3.318	3.306	0.012	96	252634	5.00	5.66	
19 Acetone	43	3.342	3.336	0.006	85	380261	62.5	47.6	
20 1,1,2-Trichloro-1,2,2-trifluoroethane	101	3.349	3.342	0.007	93	237675	5.00	5.75	
21 Iodomethane	142	3.495	3.489	0.006	99	412860	5.00	4.52	
23 Carbon disulfide	76	3.599	3.592	0.006	99	656424	5.00	4.63	
24 Methyl acetate	43	3.739	3.720	0.019	31	73443	5.00	3.35	
26 3-Chloro-1-propene	41	3.751	3.739	0.012	91	474003	5.00	5.06	
* 28 t-Butyl alcohol-d10 (IS)	65	3.922	3.903	0.019	36	143507	50.0	50.0	
27 Methylene Chloride	84	3.922	3.909	0.013	97	284671	5.00	5.33	
29 2-Methyl-2-propanol	59	4.044	4.031	0.013	96	65179	50.0	26.4	
31 Acrylonitrile	53	4.239	4.226	0.013	98	217061	25.0	20.7	
32 Methyl tert-butyl ether	73	4.293	4.281	0.012	96	608126	5.00	4.89	
33 trans-1,2-Dichloroethene	96	4.312	4.306	0.006	95	286922	5.00	5.51	
34 Hexane	57	4.739	4.726	0.013	95	379399	5.00	5.48	
36 1,1-Dichloroethane	63	4.964	4.964	0.000	95	612345	5.00	5.98	
37 Isopropyl ether	45	5.019	5.019	0.000	95	998583	5.00	5.38	
38 2-Chloro-1,3-butadiene	53	5.080	5.068	0.012	92	450132	5.00	5.29	
40 Tert-butyl ethyl ether	59	5.568	5.562	0.006	98	855729	5.00	5.07	
41 2-Butanone (MEK)	43	5.769	5.751	0.018	99	824362	62.5	59.4	
42 cis-1,2-Dichloroethene	96	5.799	5.799	0.000	85	323198	5.00	5.31	
43 2,2-Dichloropropane	77	5.818	5.812	0.006	80	470773	5.00	5.54	
44 Propionitrile	54	5.879	5.842	0.037	96	66040	37.5	17.6	
47 Methacrylonitrile	67	6.068	6.055	0.013	93	496373	37.5	32.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
48 Chlorobromomethane	128	6.141	6.141	0.000	97	129552	5.00	5.24	
49 Tetrahydrofuran	71	6.153	6.147	0.006	81	83063	25.0	21.3	
50 Chloroform	83	6.293	6.293	0.000	94	551077	5.00	5.73	
\$ 52 Dibromofluoromethane (Surr)	113	6.506	6.506	0.000	93	634078	10.0	10.6	
53 1,1,1-Trichloroethane	97	6.519	6.519	0.000	98	473951	5.00	5.79	
54 Cyclohexane	56	6.628	6.622	0.006	93	520420	5.00	5.83	
56 Carbon tetrachloride	117	6.738	6.738	0.000	91	410238	5.00	6.01	
55 1,1-Dichloropropene	75	6.744	6.738	0.006	94	434939	5.00	5.66	
57 Isobutyl alcohol	41	6.909	6.891	0.018	94	96152	125.0	105.6	
\$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.970	6.958	0.012	97	121689	10.0	10.0	
59 Benzene	78	7.000	7.000	0.000	97	1272338	5.00	5.39	
60 1,2-Dichloroethane	62	7.073	7.067	0.006	96	314347	5.00	5.67	
63 Tert-amyl methyl ether	73	7.201	7.201	0.000	98	703651	5.00	5.02	
* 64 Fluorobenzene (IS)	96	7.415	7.415	0.000	98	2564024	10.0	10.0	
65 n-Heptane	43	7.433	7.433	0.000	96	430577	5.00	6.32	
67 n-Butanol	56	7.829	7.793	0.036	96	122734	250.0	194.5	
68 Trichloroethene	95	7.909	7.903	0.006	99	324086	5.00	5.49	
69 Methylcyclohexane	83	8.220	8.220	0.000	93	500185	5.00	5.87	
70 1,2-Dichloropropane	63	8.238	8.238	0.000	98	345836	5.00	5.78	
71 2-ethoxy-2-methyl butane	87	8.262	8.256	0.006	92	445389	5.00	5.02	
72 Methyl methacrylate	69	8.341	8.335	0.006	92	116677	5.00	4.09	
73 1,4-Dioxane	88	8.354	8.335	0.019	28	14898	125.0	132.5	
74 Dibromomethane	93	8.348	8.348	0.000	97	133044	5.00	5.32	
76 Dichlorobromomethane	83	8.591	8.591	0.000	99	369568	5.00	5.55	
77 2-Nitropropane	41	8.860	8.854	0.006	99	30269	5.00	3.25	
79 1-Bromo-2-chloroethane	63	8.988	8.988	0.000	99	314822	5.00	5.73	
80 cis-1,3-Dichloropropene	75	9.164	9.158	0.006	95	430954	5.00	5.12	
82 4-Methyl-2-pentanone (MIBK)	43	9.341	9.341	0.000	98	2192741	62.5	57.4	
\$ 83 Toluene-d8 (Surr)	98	9.482	9.482	0.000	94	2748637	10.0	9.50	
84 Toluene	92	9.567	9.561	0.006	98	790386	5.00	4.75	
85 trans-1,3-Dichloropropene	75	9.841	9.841	0.000	94	354187	5.00	4.63	
104 Ethyl methacrylate	69	9.914	9.908	0.006	92	255807	5.00	4.17	
106 1,1,2-Trichloroethane	97	10.048	10.048	0.000	91	194245	5.00	4.61	
107 Tetrachloroethene	166	10.140	10.140	0.000	98	345761	5.00	4.61	
108 1,3-Dichloropropane	76	10.213	10.213	0.000	92	353673	5.00	4.79	
109 2-Hexanone	43	10.274	10.274	0.000	99	1475886	62.5	60.3	
111 Chlorodibromomethane	129	10.439	10.439	0.000	90	233897	5.00	4.67	
112 Ethylene Dibromide	107	10.554	10.548	0.006	99	172607	5.00	4.50	
* 113 Chlorobenzene-d5 (IS)	117	10.993	10.993	0.000	90	2110852	10.0	10.0	
114 1-Chlorohexane	91	11.012	11.006	0.006	96	433046	5.00	4.59	
115 Chlorobenzene	112	11.024	11.018	0.006	93	855325	5.00	4.77	
116 1,1,1,2-Tetrachloroethane	131	11.109	11.109	0.000	95	290906	5.00	4.68	
117 Ethylbenzene	91	11.109	11.109	0.000	99	1570114	5.00	4.86	
119 m-Xylene & p-Xylene	106	11.231	11.231	0.000	100	1187214	10.0	9.50	
120 o-Xylene	106	11.566	11.566	0.000	97	571554	5.00	4.70	
121 Styrene	104	11.585	11.579	0.006	95	909405	5.00	4.61	
122 Bromoform	173	11.743	11.737	0.006	97	131018	5.00	4.71	
123 Isopropylbenzene	105	11.871	11.871	0.000	96	1561899	5.00	5.45	
\$ 126 4-Bromofluorobenzene (Surr)	95	12.018	12.018	0.000	90	1061954	10.0	10.2	
127 1,1,2,2-Tetrachloroethane	83	12.121	12.121	0.000	93	236225	5.00	4.55	
128 Bromobenzene	156	12.133	12.133	0.000	96	336379	5.00	4.48	
129 trans-1,4-Dichloro-2-butene	53	12.146	12.146	0.000	93	229994	25.0	17.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
130 1,2,3-Trichloropropane	110	12.164	12.164	0.000	82	58210	5.00	4.61	
131 N-Propylbenzene	91	12.207	12.207	0.000	99	1865997	5.00	4.93	
132 2-Chlorotoluene	126	12.280	12.280	0.000	96	353352	5.00	4.76	
133 1,3,5-Trimethylbenzene	105	12.341	12.341	0.000	93	1296572	5.00	4.86	
134 4-Chlorotoluene	126	12.377	12.371	0.006	97	362488	5.00	4.76	
135 tert-Butylbenzene	134	12.585	12.585	0.000	94	263286	5.00	4.34	
137 1,2,4-Trimethylbenzene	105	12.627	12.627	0.000	98	1283826	5.00	4.72	
138 sec-Butylbenzene	105	12.749	12.749	0.000	95	1648619	5.00	4.84	
139 1,3-Dichlorobenzene	146	12.853	12.847	0.006	98	673605	5.00	4.56	
140 4-Isopropyltoluene	119	12.859	12.859	0.000	97	1374945	5.00	4.60	
* 141 1,4-Dichlorobenzene-d4	152	12.908	12.908	0.000	94	1186110	10.0	10.0	
142 1,4-Dichlorobenzene	146	12.926	12.926	0.000	95	692866	5.00	4.60	
143 1,2,3-Trimethylbenzene	120	12.932	12.932	0.000	99	544123	5.00	4.43	
144 Benzyl chloride	126	13.005	12.999	0.006	99	87992	5.00	4.20	
145 p-Diethylbenzene	119	13.133	13.133	0.000	95	820374	5.00	4.56	
146 n-Butylbenzene	92	13.152	13.158	-0.006	97	676783	5.00	4.91	
147 1,2-Dichlorobenzene	146	13.182	13.182	0.000	98	621817	5.00	4.72	
149 1,2-Dibromo-3-Chloropropane	155	13.737	13.731	0.006	82	28151	5.00	4.09	
150 1,3,5-Trichlorobenzene	180	13.859	13.859	0.000	97	490945	5.00	4.48	
151 1,2,4-Trichlorobenzene	180	14.285	14.279	0.006	94	415573	5.00	4.42	
152 Hexachlorobutadiene	225	14.365	14.365	0.000	96	169300	5.00	4.45	
153 Naphthalene	128	14.462	14.462	0.000	97	698417	5.00	4.30	
154 1,2,3-Trichlorobenzene	180	14.602	14.602	0.000	95	349182	5.00	4.28	
157 Pentane	43		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

MSV_LCS_VOC#1_00197

Amount Added: 12.50

Units: uL

MSV_QC_Gas826_00234

Amount Added: 12.50

Units: uL

MSV_LLcentISS_00013

Amount Added: 5.00

Units: uL

Run Reagent

Chrom Revision: 2.3 12-Nov-2024 16:55:22

Data File: \\chromfs\Lancaster\ChromData\19094\20241204-132298.b\HD04X06.D

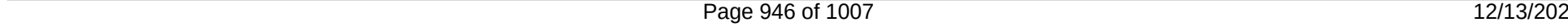
Operator ID: ecr105096

Worklist Smp#: 7

ALS Bottle#: 6

Limit Group: MSV - 8260C D

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\19094\20241204-132298.b\HD04X06.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 04-Dec-2024 11:14:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0132298-007
Operator ID: ecr105096 Instrument ID: 19094
Method: \\chromfs\Lancaster\ChromData\19094\20241204-132298.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 04-Dec-2024 13:03:36 Calib Date: 15-Oct-2024 00:00:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X18.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1623

First Level Reviewer: N7YK

Date: 04-Dec-2024 11:39:05

Compound	Amount Added	Amount Recovered	% Rec.
\$ 52 Dibromofluoromethane (Surr)	10.0	10.6	106.00
\$ 58 1,2-Dichloroethane-d4 (Surr)	10.0	10.0	100.03
\$ 83 Toluene-d8 (Surr)	10.0	9.50	95.00
\$ 126 4-Bromofluorobenzene (Surr)	10.0	10.2	102.36

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-198585-1

SDG No.:

Client Sample ID:

Lab Sample ID: LCS 410-581981/8

Matrix: Water

Lab File ID: GD04X07.D

Analysis Method: 8260D

Date Collected:

Sample wt/vol: 25 (mL)

Date Analyzed: 12/04/2024 13:30

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 581981

Units: ug/L

Preparation Batch No.:

Instrument ID: 16334

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	4.78		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	4.67		0.50	0.10
79-00-5	1,1,2-Trichloroethane	4.72		0.50	0.080
75-34-3	1,1-Dichloroethane	4.76		0.50	0.10
75-35-4	1,1-Dichloroethene	4.85		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	4.73		0.50	0.080
107-06-2	1,2-Dichloroethane	4.45		0.50	0.070
78-87-5	1,2-Dichloropropane	4.71		0.50	0.10
78-93-3	2-Butanone (MEK)	70.2		5.0	1.0
591-78-6	2-Hexanone	70.7		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	72.0		5.0	1.0
67-64-1	Acetone	54.4		5.0	1.5
71-43-2	Benzene	4.52		0.50	0.10
74-97-5	Bromochloromethane	4.85		0.50	0.080
75-27-4	Bromodichloromethane	4.70		0.50	0.080
75-25-2	Bromoform	4.68		1.0	0.30
74-83-9	Bromomethane	4.51		0.50	0.10
75-15-0	Carbon disulfide	4.19		1.0	0.10
56-23-5	Carbon tetrachloride	4.79		0.50	0.10
108-90-7	Chlorobenzene	4.57		0.50	0.070
75-00-3	Chloroethane	4.93		0.50	0.10
67-66-3	Chloroform	4.63		0.50	0.090
74-87-3	Chloromethane	3.88		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	4.60		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	4.52		0.50	0.10
124-48-1	Dibromochloromethane	4.76		0.50	0.080
100-41-4	Ethylbenzene	4.73		0.50	0.080
1634-04-4	Methyl tert-butyl ether	4.45		0.50	0.080
75-09-2	Methylene Chloride	4.71		0.50	0.20
100-42-5	Styrene	5.02		0.50	0.070
127-18-4	Tetrachloroethene	4.58		0.50	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-198585-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 410-581981/8

Matrix: Water Lab File ID: GD04X07.D

Analysis Method: 8260D Date Collected: _____

Sample wt/vol: 25 (mL) Date Analyzed: 12/04/2024 13:30

Soil Aliquot Vol: _____ Dilution Factor: 1

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

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

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

Analysis Batch No.: 581981 Units: ug/L

Preparation Batch No.: _____ Instrument ID: 16334

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	4.67		0.50	0.080
156-60-5	trans-1,2-Dichloroethene	4.68		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	4.78		0.50	0.080
79-01-6	Trichloroethene	4.62		0.50	0.080
75-01-4	Vinyl chloride	4.09		0.50	0.10
1330-20-7	Xylenes, Total	14.3		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		80-120
460-00-4	4-Bromofluorobenzene (Surr)	102		80-120
1868-53-7	Dibromofluoromethane (Surr)	99		80-120
2037-26-5	Toluene-d8 (Surr)	100		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X07.D
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 04-Dec-2024 13:30:30 ALS Bottle#: 7 Worklist Smp#: 8
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0132342-008
 Misc. Info.: LCSD
 Operator ID: knk41612 Instrument ID: 16334
 Method: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\MSV_16334_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 10-Dec-2024 07:12:10 Calib Date: 03-Dec-2024 18:18:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1605

First Level Reviewer: FQ4L

Date: 10-Dec-2024 07:12:49

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.715	1.703	0.012	99	303928	5.00	4.30	
5 Chloromethane	50	1.886	1.873	0.013	99	329133	5.00	3.88	
7 Butadiene	39	1.971	1.959	0.012	90	317318	5.00	4.07	
6 Vinyl chloride	62	1.983	1.977	0.006	98	314191	5.00	4.09	
9 Bromomethane	94	2.276	2.264	0.012	91	224975	5.00	4.51	M
10 Chloroethane	64	2.306	2.300	0.006	100	191207	5.00	4.93	
11 Dichlorofluoromethane	67	2.514	2.501	0.013	97	500415	5.00	4.61	
12 Trichlorofluoromethane	101	2.605	2.593	0.012	97	410097	5.00	4.82	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	2.849	2.837	0.012	92	324873	5.00	5.07	
18 1,1-Dichloroethene	96	3.032	3.020	0.012	98	241464	5.00	4.85	
19 Acetone	43	3.062	3.050	0.012	62	219924	62.5	54.4	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.068	3.062	0.006	93	231088	5.00	4.41	
21 Isopropyl alcohol	45	3.202	3.172	0.030	25	17784	37.5	31.6	M
22 Iodomethane	142	3.196	3.184	0.012	99	394905	5.00	4.10	
24 Carbon disulfide	76	3.282	3.269	0.013	99	766019	5.00	4.19	
25 Methyl acetate	43	3.416	3.404	0.012	30	49089	5.00	2.88	
27 3-Chloro-1-propene	41	3.428	3.416	0.012	93	366050	5.00	4.23	
29 Methylene Chloride	84	3.587	3.574	0.013	92	259264	5.00	4.71	
* 30 t-Butyl alcohol-d10 (IS)	65	3.617	3.617	0.000	99	70507	50.0	50.0	
31 2-Methyl-2-propanol	59	3.739	3.702	0.037	97	46055	50.0	55.6	
32 Acrylonitrile	53	3.891	3.879	0.012	100	145221	25.0	26.2	
34 trans-1,2-Dichloroethene	96	3.940	3.928	0.012	98	274032	5.00	4.68	
33 Methyl tert-butyl ether	73	3.934	3.928	0.006	96	494221	5.00	4.45	
35 Hexane	57	4.330	4.318	0.012	91	353484	5.00	4.62	
37 1,1-Dichloroethane	63	4.568	4.556	0.012	96	504925	5.00	4.76	
38 Isopropyl ether	45	4.641	4.629	0.012	96	736476	5.00	4.42	
39 2-Chloro-1,3-butadiene	53	4.684	4.672	0.012	90	351709	5.00	4.33	
40 Tert-butyl ethyl ether	59	5.184	5.184	0.000	98	660060	5.00	4.49	
41 2-Butanone (MEK)	43	5.403	5.391	0.012	99	486986	62.5	70.2	
42 cis-1,2-Dichloroethene	96	5.428	5.415	0.013	82	294906	5.00	4.60	
43 2,2-Dichloropropane	77	5.440	5.428	0.012	85	412877	5.00	4.57	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
45 Propionitrile	54	5.507	5.476	0.031	98	67374	37.5	36.4	M
48 Methacrylonitrile	67	5.702	5.696	0.006	91	349854	37.5	46.8	
49 Chlorobromomethane	128	5.757	5.751	0.006	93	116506	5.00	4.85	
50 Tetrahydrofuran	71	5.781	5.769	0.012	77	55886	25.0	28.2	
51 Chloroform	83	5.921	5.915	0.006	93	481785	5.00	4.63	
\$ 52 Dibromofluoromethane (Surr)	113	6.141	6.135	0.006	93	513719	10.0	9.86	
53 1,1,1-Trichloroethane	97	6.147	6.141	0.006	98	431456	5.00	4.68	
54 Cyclohexane	56	6.245	6.238	0.007	90	420548	5.00	4.58	
55 Carbon tetrachloride	117	6.360	6.354	0.006	97	377509	5.00	4.79	
56 1,1-Dichloropropene	75	6.360	6.360	0.000	96	372775	5.00	4.54	
58 Isobutyl alcohol	41	6.580	6.568	0.012	36	32288	125.0	80.5	M
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.598	6.592	0.006	96	96473	10.0	9.70	
60 Benzene	78	6.629	6.622	0.007	97	1109043	5.00	4.52	
61 1,2-Dichloroethane	62	6.702	6.696	0.006	97	250316	5.00	4.45	
63 Tert-amyl methyl ether	73	6.842	6.842	0.000	99	546667	5.00	4.49	
* 64 Fluorobenzene (IS)	96	7.049	7.043	0.006	98	2208788	10.0	10.0	
65 n-Heptane	43	7.068	7.068	0.000	92	361974	5.00	4.82	
67 n-Butanol	56	7.506	7.482	0.024	94	54675	250.0	225.0	
68 Trichloroethene	95	7.537	7.531	0.006	99	290839	5.00	4.62	
69 Methylcyclohexane	83	7.842	7.842	0.000	92	453143	5.00	4.70	
70 1,2-Dichloropropane	63	7.866	7.866	0.000	97	279569	5.00	4.71	M
71 2-ethoxy-2-methyl butane	87	7.903	7.903	0.000	94	395028	5.00	4.62	
74 Dibromomethane	93	7.982	7.976	0.006	97	111250	5.00	4.57	
73 1,4-Dioxane	88	7.994	7.982	0.012	28	12596	125.0	139.7	
72 Methyl methacrylate	69	7.994	7.982	0.012	90	79120	5.00	5.57	
76 Dichlorobromomethane	83	8.232	8.226	0.006	99	319610	5.00	4.70	
77 2-Nitropropane	41	8.512	8.512	0.000	99	18146	5.00	4.19	
79 1-Bromo-2-chloroethane	63	8.622	8.622	0.000	99	243341	5.00	4.77	
81 cis-1,3-Dichloropropene	75	8.799	8.799	0.000	97	376806	5.00	4.52	
82 4-Methyl-2-pentanone (MIBK)	43	9.006	9.006	0.000	96	1291132	62.5	72.0	
\$ 83 Toluene-d8 (Surr)	98	9.140	9.134	0.006	94	2219339	10.0	10.0	M
84 Toluene	92	9.220	9.220	0.000	98	716803	5.00	4.67	
85 trans-1,3-Dichloropropene	75	9.524	9.518	0.006	92	307248	5.00	4.78	
86 Ethyl methacrylate	69	9.610	9.604	0.006	89	175967	5.00	4.54	
107 1,1,2-Trichloroethane	97	9.738	9.732	0.006	91	167280	5.00	4.72	
108 Tetrachloroethene	166	9.823	9.823	0.000	97	316946	5.00	4.58	
109 1,3-Dichloropropane	76	9.908	9.908	0.000	89	289555	5.00	4.73	
110 2-Hexanone	43	9.988	9.988	0.000	96	880565	62.5	70.7	
112 Chlorodibromomethane	129	10.134	10.134	0.000	89	205928	5.00	4.76	
113 Ethylene Dibromide	107	10.244	10.244	0.000	98	149241	5.00	4.73	
* 114 Chlorobenzene-d5 (IS)	117	10.707	10.707	0.000	85	1592580	10.0	10.0	M
116 Chlorobenzene	112	10.731	10.731	0.000	95	787872	5.00	4.57	
115 1-Chlorohexane	91	10.731	10.731	0.000	96	369250	5.00	4.47	
117 1,1,1,2-Tetrachloroethane	131	10.823	10.823	0.000	95	267197	5.00	4.78	
118 Ethylbenzene	91	10.829	10.829	0.000	98	1412003	5.00	4.73	
120 m-Xylene & p-Xylene	106	10.951	10.951	0.000	100	1097243	10.0	9.53	
121 o-Xylene	106	11.292	11.292	0.000	96	529318	5.00	4.81	
122 Styrene	104	11.305	11.304	0.001	95	840110	5.00	5.02	
123 Bromoform	173	11.463	11.457	0.006	96	104661	5.00	4.68	
124 Isopropylbenzene	105	11.603	11.603	0.000	95	1420494	5.00	5.50	
\$ 127 4-Bromofluorobenzene (Surr)	95	11.743	11.743	0.000	89	775963	10.0	10.2	M
128 1,1,2,2-Tetrachloroethane	83	11.859	11.859	0.000	65	184593	5.00	4.67	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
129 Bromobenzene	156	11.859	11.859	0.000	92	310954	5.00	4.69	
130 trans-1,4-Dichloro-2-butene	53	11.884	11.884	0.000	89	204287	25.0	26.7	
131 1,2,3-Trichloropropane	110	11.896	11.902	-0.006	80	49954	5.00	4.74	
132 N-Propylbenzene	91	11.939	11.939	0.001	99	1698787	5.00	4.77	
133 2-Chlorotoluene	126	12.012	12.012	0.000	97	329994	5.00	4.66	
134 1,3,5-Trimethylbenzene	105	12.079	12.079	0.000	93	1219984	5.00	4.86	
135 4-Chlorotoluene	126	12.103	12.103	0.000	98	341497	5.00	4.66	
136 tert-Butylbenzene	134	12.323	12.323	0.000	93	242065	5.00	4.44	
138 1,2,4-Trimethylbenzene	105	12.365	12.365	0.000	98	1240141	5.00	4.82	
139 sec-Butylbenzene	105	12.487	12.487	0.000	94	1561618	5.00	4.80	
140 1,3-Dichlorobenzene	146	12.585	12.585	0.000	98	664144	5.00	4.71	
141 4-Isopropyltoluene	119	12.603	12.603	0.000	97	1345901	5.00	4.84	
* 142 1,4-Dichlorobenzene-d4	152	12.640	12.640	0.000	94	852565	10.0	10.0	
143 1,4-Dichlorobenzene	146	12.658	12.658	0.000	95	668301	5.00	4.64	
144 1,2,3-Trimethylbenzene	120	12.670	12.670	0.000	99	505179	5.00	4.59	
145 Benzyl chloride	126	12.737	12.737	0.000	98	75245	5.00	4.70	
146 p-Diethylbenzene	119	12.877	12.877	0.000	93	829285	5.00	4.83	
147 n-Butylbenzene	92	12.896	12.896	0.000	97	687656	5.00	4.82	
148 1,2-Dichlorobenzene	146	12.920	12.920	0.000	98	575066	5.00	4.70	
150 1,2-Dibromo-3-Chloropropane	155	13.463	13.463	0.000	82	20335	5.00	5.37	
151 1,3,5-Trichlorobenzene	180	13.591	13.591	0.000	97	517004	5.00	4.66	
152 1,2,4-Trichlorobenzene	180	14.011	14.011	0.000	94	428211	5.00	4.84	
153 Hexachlorobutadiene	225	14.103	14.103	0.000	97	236297	5.00	4.89	
154 Naphthalene	128	14.188	14.188	0.000	97	587407	5.00	4.99	
155 1,2,3-Trichlorobenzene	180	14.334	14.334	0.000	96	333329	5.00	4.84	
156 2-Methylnaphthalene	142	14.920	14.920	0.000	91	325931	5.00	5.32	
167 Pentane	43	2.812	2.757	0.055	1	326	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Review Flags

M - Manually Integrated

Reagents:

MSV_LCS_VOC#1_00197

Amount Added: 12.50

Units: uL

MSV_QC_Gas826_00234

Amount Added: 12.50

Units: uL

MSV_29_826ISS_00057

Amount Added: 1.20

Units: uL

Run Reagent

Report Date: 10-Dec-2024 07:12:49

Chrom Revision: 2.3 12-Nov-2024 16:55:22

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X07.D

Injection Date: 04-Dec-2024 13:30:30

Instrument ID: 16334

Operator ID: knk41612

Lims ID: LCS

Worklist Smp#: 8

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

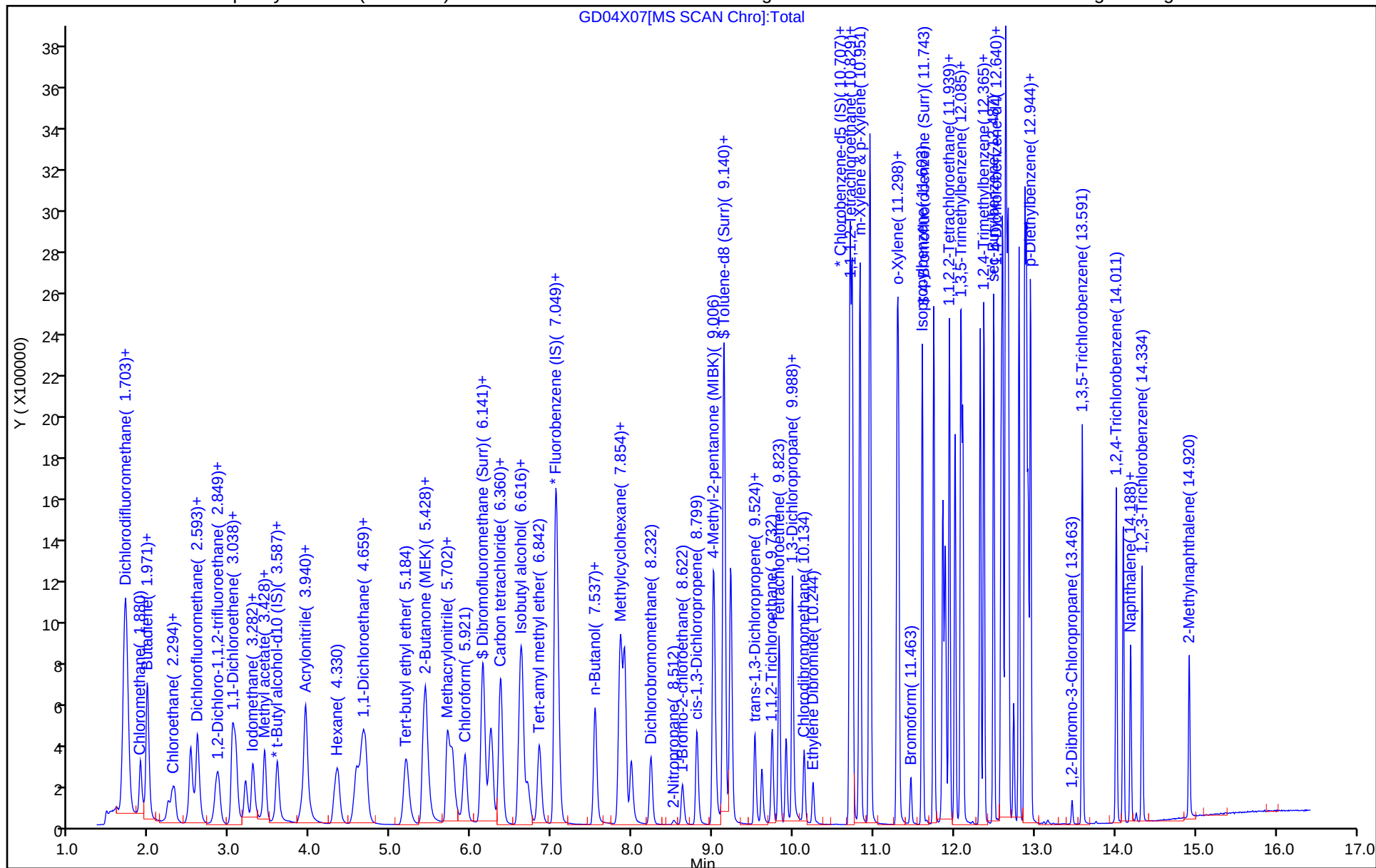
ALS Bottle#: 7

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X07.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 04-Dec-2024 13:30:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0132342-008
Misc. Info.: LCSD
Operator ID: knk41612 Instrument ID: 16334
Method: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 10-Dec-2024 07:12:10 Calib Date: 03-Dec-2024 18:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X18.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1605

First Level Reviewer: FQ4L

Date: 10-Dec-2024 07:12:49

Compound	Amount Added	Amount Recovered	% Rec.
\$ 52 Dibromofluoromethane (Surr)	10.0	9.86	98.58
\$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	9.70	97.04
\$ 83 Toluene-d8 (Surr)	10.0	10.0	100.40
\$ 127 4-Bromofluorobenzene (Surr)	10.0	10.2	101.65

Eurofins Lancaster Laboratories Environment Testing, LLC

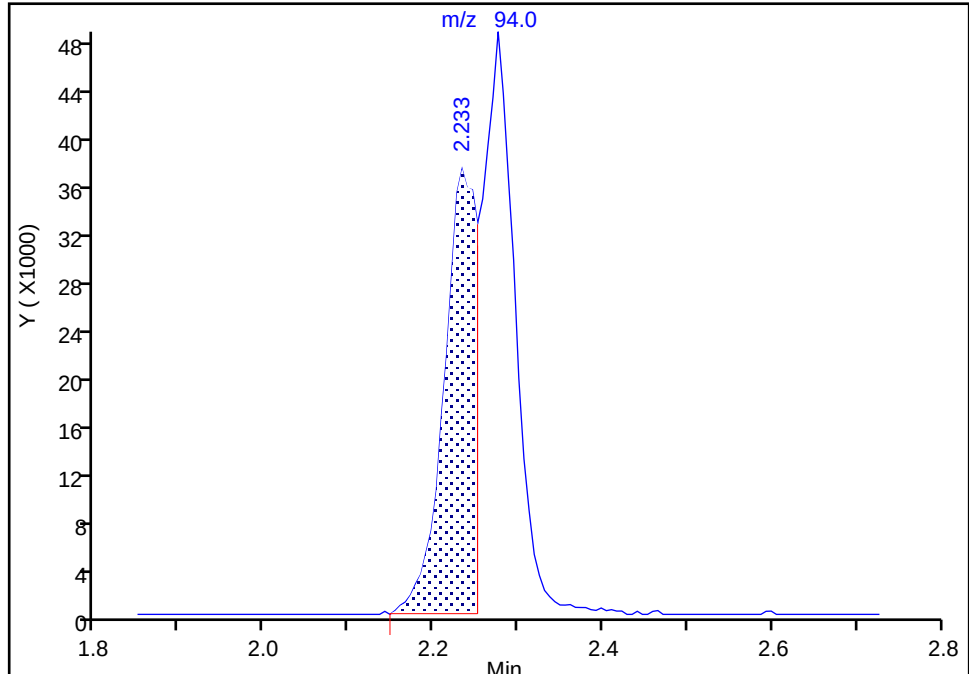
Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X07.D
Injection Date: 04-Dec-2024 13:30:30 Instrument ID: 16334
Lims ID: LCS
Client ID:
Operator ID: knk41612 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

9 Bromomethane, CAS: 74-83-9

Signal: 1

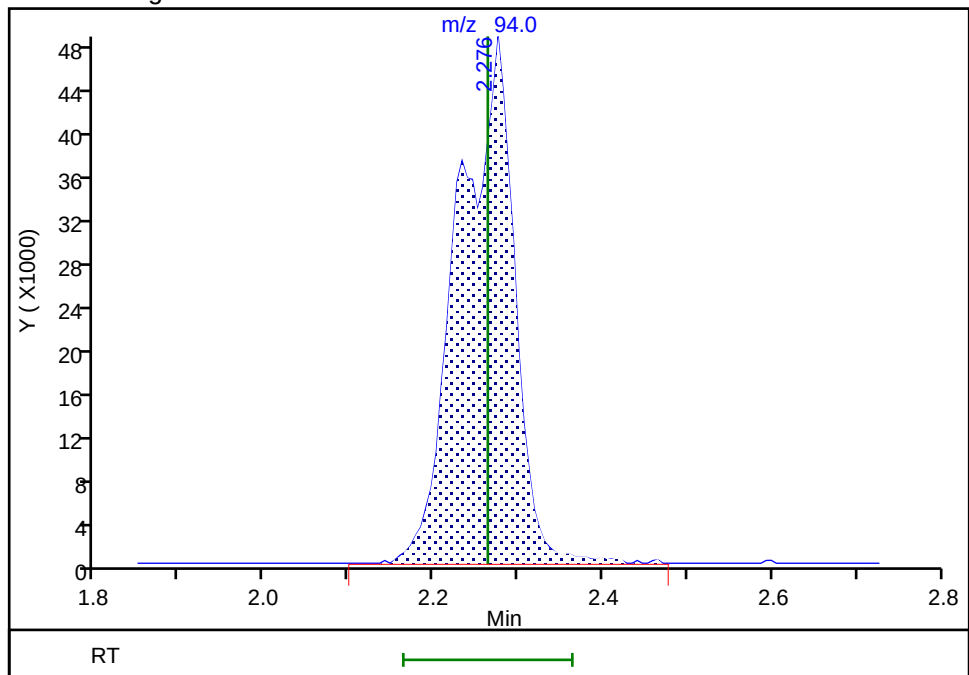
RT: 2.23
Area: 101138
Amount: 2.025411
Amount Units: ug/l

Processing Integration Results



RT: 2.28
Area: 224975
Amount: 4.505398
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 04-Dec-2024 14:29:46 -05:00:00 (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.: 410-198585-1

SDG No.:

Client Sample ID:

Lab Sample ID: LCS 410-584018/4

Matrix: Water

Lab File ID: HD10X03.D

Analysis Method: 8260D

Date Collected:

Sample wt/vol: 25 (mL)

Date Analyzed: 12/10/2024 10:24

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.: 584018

Units: ug/L

Preparation Batch No.:

Instrument ID: 19094

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	5.02		0.50	0.070
71-55-6	1,1,1-Trichloroethane	5.82		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	4.71		0.50	0.10
79-00-5	1,1,2-Trichloroethane	4.87		0.50	0.080
75-34-3	1,1-Dichloroethane	5.80		0.50	0.10
75-35-4	1,1-Dichloroethene	5.88		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	4.88		0.50	0.080
107-06-2	1,2-Dichloroethane	5.73		0.50	0.070
78-87-5	1,2-Dichloropropane	5.61		0.50	0.10
78-93-3	2-Butanone (MEK)	68.8		5.0	1.0
591-78-6	2-Hexanone	71.8		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	67.7		5.0	1.0
67-64-1	Acetone	57.0		5.0	1.5
71-43-2	Benzene	5.28		0.50	0.10
74-97-5	Bromochloromethane	5.20		0.50	0.080
75-27-4	Bromodichloromethane	5.50		0.50	0.080
75-25-2	Bromoform	5.25		1.0	0.30
74-83-9	Bromomethane	5.10		0.50	0.10
75-15-0	Carbon disulfide	5.14		1.0	0.10
56-23-5	Carbon tetrachloride	6.05		0.50	0.10
108-90-7	Chlorobenzene	5.03		0.50	0.070
75-00-3	Chloroethane	5.20		0.50	0.10
67-66-3	Chloroform	5.50		0.50	0.090
74-87-3	Chloromethane	5.02		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	5.18		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	5.22		0.50	0.10
124-48-1	Dibromochloromethane	5.08		0.50	0.080
100-41-4	Ethylbenzene	5.09		0.50	0.080
1634-04-4	Methyl tert-butyl ether	4.96		0.50	0.080
75-09-2	Methylene Chloride	5.33		0.50	0.20
100-42-5	Styrene	4.85		0.50	0.070
127-18-4	Tetrachloroethene	4.95		0.50	0.20

FORM I

GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-198585-1

SDG No. :

Client Sample ID:

Lab Sample ID: LCS 410-584018/4

Matrix: Water

Lab File ID: HD10X03.D

Analysis Method: 8260D

Date Collected:

Sample wt/vol: 25 (mL)

Date Analyzed: 12/10/2024 10:24

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.: 584018

Units: ug/L

Preparation Batch No.:

Instrument ID: 19094

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	4.98		0.50	0.080
156-60-5	trans-1,2-Dichloroethene	5.48		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	5.02		0.50	0.080
79-01-6	Trichloroethene	5.42		0.50	0.080
75-01-4	Vinyl chloride	5.25		0.50	0.10
1330-20-7	Xylenes, Total	15.0		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		80-120
460-00-4	4-Bromofluorobenzene (Surr)	102		80-120
1868-53-7	Dibromofluoromethane (Surr)	105		80-120
2037-26-5	Toluene-d8 (Surr)	98		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20241210-132838.b\HD10X03.D
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 10-Dec-2024 10:24:30 ALS Bottle#: 3 Worklist Smp#: 4
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0132838-004
 Misc. Info.: LCS
 Operator ID: ecr105096 Instrument ID: 19094
 Method: \\chromfs\Lancaster\ChromData\19094\20241210-132838.b\MSV_19094_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 10-Dec-2024 13:23:41 Calib Date: 15-Oct-2024 00:00:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1657

First Level Reviewer: N7YK

Date: 10-Dec-2024 10:58:19

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.867	1.861	0.006	99	309142	5.00	6.00	
5 Chloromethane	50	2.050	2.044	0.006	99	385707	5.00	5.02	
7 Butadiene	39	2.148	2.142	0.006	93	396905	5.00	5.59	
6 Vinyl chloride	62	2.160	2.154	0.006	98	347097	5.00	5.25	
9 Bromomethane	94	2.471	2.471	0.000	92	242564	5.00	5.10	
10 Chloroethane	64	2.520	2.520	0.000	100	221223	5.00	5.20	
11 Dichlorofluoromethane	67	2.733	2.733	0.000	97	567656	5.00	5.21	
12 Trichlorofluoromethane	101	2.837	2.824	0.013	97	408778	5.00	5.62	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.105	3.093	0.012	95	326124	5.00	5.32	
17 1,1-Dichloroethene	96	3.318	3.312	0.006	96	240824	5.00	5.88	
19 Acetone	43	3.355	3.336	0.019	74	337837	62.5	57.0	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.349	3.343	0.006	93	220897	5.00	5.82	
21 Iodomethane	142	3.495	3.495	0.000	99	408607	5.00	4.88	
22 Ethyl bromide	108	3.525	3.519	0.006	99	186291	5.05	4.68	
23 Carbon disulfide	76	3.605	3.599	0.006	99	669219	5.00	5.14	
24 Methyl acetate	43	3.739	3.714	0.025	23	82585	5.00	5.09	M
26 3-Chloro-1-propene	41	3.757	3.745	0.012	92	449916	5.00	5.23	
27 Methylene Chloride	84	3.922	3.916	0.006	95	261522	5.00	5.33	
* 28 t-Butyl alcohol-d10 (IS)	65	3.952	3.922	0.030	41	106422	50.0	50.0	
29 2-Methyl-2-propanol	59	4.038	4.025	0.013	85	93350	50.0	51.0	
31 Acrylonitrile	53	4.245	4.233	0.012	97	190673	25.0	24.6	
32 Methyl tert-butyl ether	73	4.294	4.287	0.007	97	565659	5.00	4.96	
33 trans-1,2-Dichloroethene	96	4.312	4.312	0.000	96	261926	5.00	5.48	
34 Hexane	57	4.733	4.726	0.007	94	366453	5.00	5.77	
36 1,1-Dichloroethane	63	4.970	4.964	0.006	96	545045	5.00	5.80	
37 Isopropyl ether	45	5.031	5.019	0.012	95	889050	5.00	5.22	
38 2-Chloro-1,3-butadiene	53	5.074	5.068	0.006	92	408336	5.00	5.23	
40 Tert-butyl ethyl ether	59	5.568	5.568	0.000	98	760725	5.00	4.91	
41 2-Butanone (MEK)	43	5.775	5.757	0.018	100	707875	62.5	68.8	
42 cis-1,2-Dichloroethene	96	5.806	5.799	0.007	84	289431	5.00	5.18	
43 2,2-Dichloropropane	77	5.818	5.818	0.000	88	432287	5.00	5.54	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
44 Propionitrile	54	5.866	5.842	0.024	97	71713	37.5	25.7	
47 Methacrylonitrile	67	6.068	6.062	0.006	93	444151	37.5	39.6	
48 Chlorobromomethane	128	6.141	6.141	0.000	96	117943	5.00	5.20	
49 Tetrahydrofuran	71	6.159	6.141	0.018	73	75529	25.0	26.1	
50 Chloroform	83	6.293	6.293	0.000	94	485731	5.00	5.50	
\$ 52 Dibromofluoromethane (Surr)	113	6.513	6.507	0.006	94	577185	10.0	10.5	
53 1,1,1-Trichloroethane	97	6.531	6.525	0.006	99	437485	5.00	5.82	
54 Cyclohexane	56	6.629	6.628	0.001	93	471252	5.00	5.75	
55 1,1-Dichloropropene	75	6.744	6.738	0.006	95	395236	5.00	5.61	
56 Carbon tetrachloride	117	6.744	6.738	0.006	89	379292	5.00	6.05	
57 Isobutyl alcohol	41	6.909	6.891	0.018	95	82258	125.0	121.8	
\$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.964	6.964	0.000	96	109760	10.0	9.83	
59 Benzene	78	7.007	7.000	0.006	97	1143998	5.00	5.28	
60 1,2-Dichloroethane	62	7.080	7.074	0.006	97	291943	5.00	5.73	
63 Tert-amyl methyl ether	73	7.208	7.208	0.000	98	635498	5.00	4.94	
* 64 Fluorobenzene (IS)	96	7.415	7.415	0.000	98	2354275	10.0	10.0	
65 n-Heptane	43	7.439	7.433	0.006	94	395670	5.00	6.33	
67 n-Butanol	56	7.823	7.799	0.024	90	112876	250.0	241.2	
68 Trichloroethene	95	7.909	7.903	0.006	98	294080	5.00	5.42	
69 Methylcyclohexane	83	8.220	8.220	0.000	93	454772	5.00	5.82	
70 1,2-Dichloropropane	63	8.238	8.238	0.000	97	307891	5.00	5.61	
71 2-ethoxy-2-methyl butane	87	8.256	8.256	0.000	92	405379	5.00	4.98	
72 Methyl methacrylate	69	8.342	8.335	0.007	92	106052	5.00	5.01	
73 1,4-Dioxane	88	8.354	8.342	0.012	29	15184	125.0	182.2	
74 Dibromomethane	93	8.360	8.348	0.012	95	121417	5.00	5.28	
76 Dichlorobromomethane	83	8.592	8.592	0.000	99	336325	5.00	5.50	
77 2-Nitropropane	41	8.866	8.854	0.012	98	30179	5.00	4.37	
79 1-Bromo-2-chloroethane	63	8.994	8.988	0.006	99	277354	5.00	5.50	
80 cis-1,3-Dichloropropene	75	9.165	9.158	0.007	95	403473	5.00	5.22	
82 4-Methyl-2-pentanone (MIBK)	43	9.341	9.341	0.000	98	1917461	62.5	67.7	
\$ 83 Toluene-d8 (Surr)	98	9.488	9.488	0.000	94	2455884	10.0	9.82	
84 Toluene	92	9.567	9.567	0.000	97	715878	5.00	4.98	
85 trans-1,3-Dichloropropene	75	9.841	9.841	0.000	94	331305	5.00	5.02	
104 Ethyl methacrylate	69	9.914	9.908	0.006	91	230634	5.00	4.35	
106 1,1,2-Trichloroethane	97	10.049	10.049	0.000	91	177230	5.00	4.87	
107 Tetrachloroethene	166	10.140	10.140	0.000	97	320714	5.00	4.95	
108 1,3-Dichloropropane	76	10.219	10.213	0.006	92	319331	5.00	5.00	
109 2-Hexanone	43	10.274	10.274	0.000	99	1303038	62.5	71.8	
111 Chlorodibromomethane	129	10.439	10.439	0.000	90	219758	5.00	5.08	
112 Ethylene Dibromide	107	10.555	10.548	0.007	99	161889	5.00	4.88	
* 113 Chlorobenzene-d5 (IS)	117	10.994	10.993	0.001	87	1824404	10.0	10.0	
114 1-Chlorohexane	91	11.012	11.006	0.006	97	383048	5.00	4.70	
115 Chlorobenzene	112	11.024	11.024	0.000	94	778705	5.00	5.03	
116 1,1,1,2-Tetrachloroethane	131	11.109	11.109	0.000	95	269622	5.00	5.02	
117 Ethylbenzene	91	11.109	11.109	0.000	99	1420037	5.00	5.09	
119 m-Xylene & p-Xylene	106	11.231	11.231	0.000	100	1090131	10.0	10.1	
120 o-Xylene	106	11.567	11.567	0.000	96	513854	5.00	4.89	
121 Styrene	104	11.585	11.579	0.006	95	826878	5.00	4.85	
122 Bromoform	173	11.743	11.737	0.006	97	126141	5.00	5.25	
123 Isopropylbenzene	105	11.871	11.871	0.000	96	1412956	5.00	5.70	
\$ 126 4-Bromofluorobenzene (Surr)	95	12.018	12.018	0.000	91	912299	10.0	10.2	
127 1,1,2,2-Tetrachloroethane	83	12.115	12.121	-0.006	93	215545	5.00	4.71	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
128 Bromobenzene	156	12.134	12.134	0.000	97	314730	5.00	4.75	
129 trans-1,4-Dichloro-2-butene	53	12.146	12.146	0.000	93	269170	25.0	28.3	
130 1,2,3-Trichloropropane	110	12.164	12.164	0.000	82	54648	5.00	4.91	
131 N-Propylbenzene	91	12.207	12.207	0.000	99	1682404	5.00	5.04	
132 2-Chlorotoluene	126	12.280	12.280	0.000	96	321616	5.00	4.91	
133 1,3,5-Trimethylbenzene	105	12.341	12.341	0.000	95	1161495	5.00	4.94	
134 4-Chlorotoluene	126	12.371	12.371	0.000	98	324774	5.00	4.84	
135 tert-Butylbenzene	134	12.585	12.585	0.000	94	245832	5.00	4.59	
137 1,2,4-Trimethylbenzene	105	12.627	12.627	0.000	98	1174526	5.00	4.90	
138 sec-Butylbenzene	105	12.749	12.749	0.000	95	1505524	5.00	5.02	
139 1,3-Dichlorobenzene	146	12.853	12.847	0.006	98	628392	5.00	4.83	
140 4-Isopropyltoluene	119	12.859	12.859	0.000	97	1278660	5.00	4.85	
* 141 1,4-Dichlorobenzene-d4	152	12.908	12.908	0.000	94	1045998	10.0	10.0	
142 1,4-Dichlorobenzene	146	12.926	12.926	0.000	94	639601	5.00	4.81	
143 1,2,3-Trimethylbenzene	120	12.932	12.932	0.000	99	490144	5.00	4.53	
144 Benzyl chloride	126	13.005	12.999	0.006	99	83640	5.00	4.52	
145 p-Diethylbenzene	119	13.133	13.133	0.000	94	766711	5.00	4.83	
146 n-Butylbenzene	92	13.152	13.158	-0.006	97	621297	5.00	5.11	
147 1,2-Dichlorobenzene	146	13.182	13.182	0.000	98	574498	5.00	4.94	
149 1,2-Dibromo-3-Chloropropane	155	13.737	13.731	0.006	85	26707	5.00	4.40	
150 1,3,5-Trichlorobenzene	180	13.859	13.859	0.000	97	469163	5.00	4.85	
151 1,2,4-Trichlorobenzene	180	14.286	14.279	0.007	94	401716	5.00	4.84	
152 Hexachlorobutadiene	225	14.365	14.365	0.000	96	163992	5.00	4.89	
153 Naphthalene	128	14.462	14.462	0.000	97	650558	5.00	4.54	
154 1,2,3-Trichlorobenzene	180	14.603	14.603	0.000	95	335600	5.00	4.67	
157 Pentane	43		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

MSV_LCS_VOC#1_00198

Amount Added: 12.50

Units: uL

MSV_QC_Gas826_00236

Amount Added: 12.50

Units: uL

LCS_ETBR_00009

Amount Added: 12.50

Units: uL

MSV_LLcentISS_00013

Amount Added: 5.00

Units: uL

Run Reagent

Report Date: 10-Dec-2024 13:23:46

Chrom Revision: 2.3 12-Nov-2024 16:55:22

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20241210-132838.b\HD10X03.D

Injection Date: 10-Dec-2024 10:24:30

Instrument ID: 19094

Operator ID: ecr105096

Lims ID: LCS

Worklist Smp#: 4

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

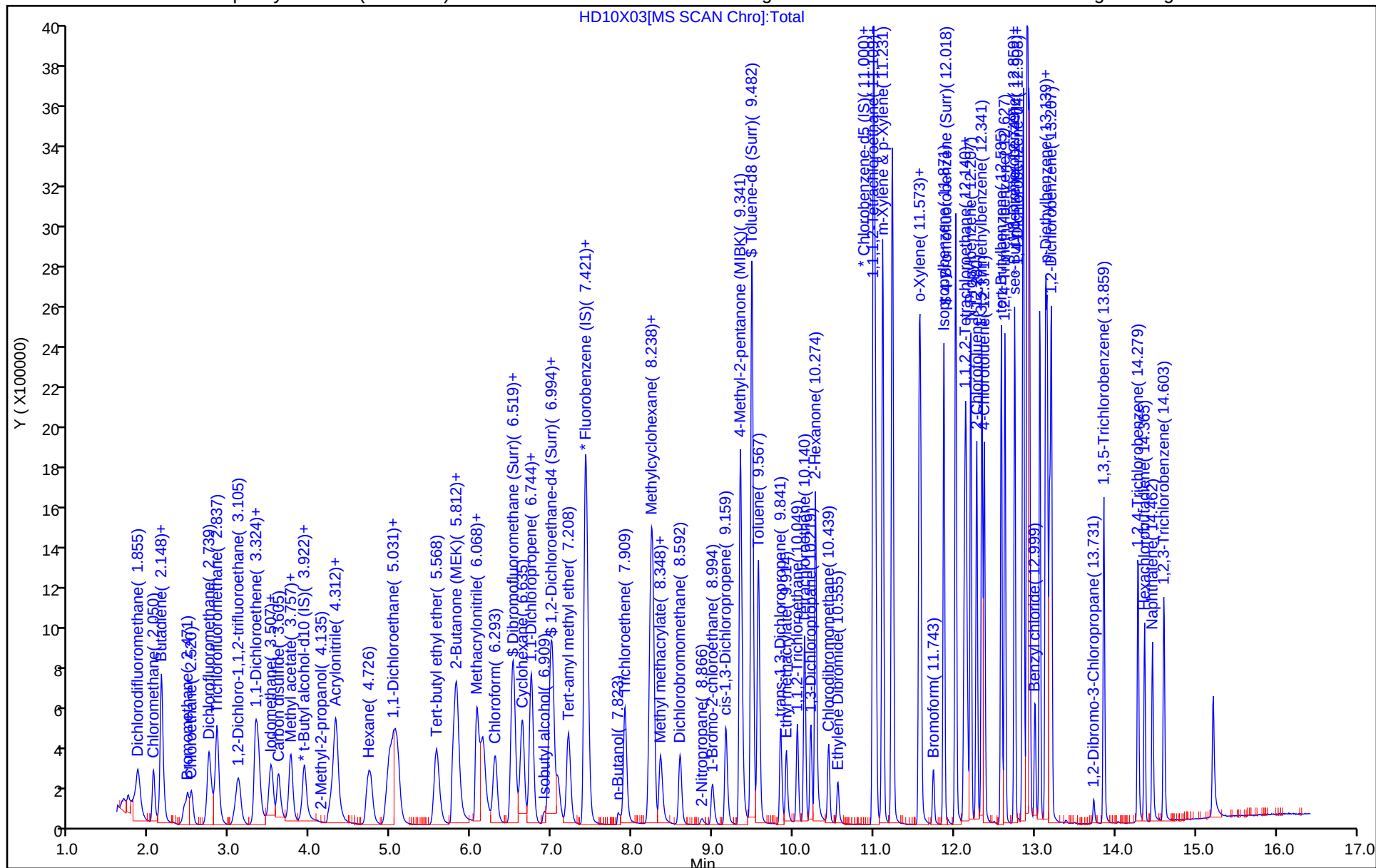
ALS Bottle#: 3

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\19094\20241210-132838.b\HD10X03.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 10-Dec-2024 10:24:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0132838-004
Misc. Info.: LCS
Operator ID: ecr105096 Instrument ID: 19094
Method: \\chromfs\Lancaster\ChromData\19094\20241210-132838.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 10-Dec-2024 13:23:41 Calib Date: 15-Oct-2024 00:00:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X18.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1657

First Level Reviewer: N7YK

Date: 10-Dec-2024 10:58:19

Compound	Amount Added	Amount Recovered	% Rec.
\$ 52 Dibromofluoromethane (Surr)	10.0	10.5	105.09
\$ 58 1,2-Dichloroethane-d4 (Surr)	10.0	9.83	98.26
\$ 83 Toluene-d8 (Surr)	10.0	9.82	98.20
\$ 126 4-Bromofluorobenzene (Surr)	10.0	10.2	101.74

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-198585-1

SDG No.:

Client Sample ID:

Lab Sample ID: LCSD 410-584018/5

Matrix: Water

Lab File ID: HD10X04.D

Analysis Method: 8260D

Date Collected:

Sample wt/vol: 25 (mL)

Date Analyzed: 12/10/2024 10:45

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 584018

Units: ug/L

Preparation Batch No.:

Instrument ID: 19094

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	5.73		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	4.76		0.50	0.10
79-00-5	1,1,2-Trichloroethane	4.78		0.50	0.080
75-34-3	1,1-Dichloroethane	5.80		0.50	0.10
75-35-4	1,1-Dichloroethene	5.74		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	4.87		0.50	0.080
107-06-2	1,2-Dichloroethane	5.80		0.50	0.070
78-87-5	1,2-Dichloropropane	5.66		0.50	0.10
78-93-3	2-Butanone (MEK)	68.2		5.0	1.0
591-78-6	2-Hexanone	68.5		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	65.4		5.0	1.0
67-64-1	Acetone	54.7		5.0	1.5
71-43-2	Benzene	5.30		0.50	0.10
74-97-5	Bromochloromethane	5.16		0.50	0.080
75-27-4	Bromodichloromethane	5.48		0.50	0.080
75-25-2	Bromoform	5.29		1.0	0.30
74-83-9	Bromomethane	5.15		0.50	0.10
75-15-0	Carbon disulfide	5.19		1.0	0.10
56-23-5	Carbon tetrachloride	6.12		0.50	0.10
108-90-7	Chlorobenzene	5.03		0.50	0.070
75-00-3	Chloroethane	5.27		0.50	0.10
67-66-3	Chloroform	5.54		0.50	0.090
74-87-3	Chloromethane	5.22		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	5.25		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	5.15		0.50	0.10
124-48-1	Dibromochloromethane	5.07		0.50	0.080
100-41-4	Ethylbenzene	5.11		0.50	0.080
1634-04-4	Methyl tert-butyl ether	4.87		0.50	0.080
75-09-2	Methylene Chloride	5.39		0.50	0.20
100-42-5	Styrene	4.88		0.50	0.070
127-18-4	Tetrachloroethene	4.98		0.50	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-198585-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCSD 410-584018/5

Matrix: Water Lab File ID: HD10X04.D

Analysis Method: 8260D Date Collected: _____

Sample wt/vol: 25 (mL) Date Analyzed: 12/10/2024 10:45

Soil Aliquot Vol: _____ Dilution Factor: 1

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

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

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

Analysis Batch No.: 584018 Units: ug/L

Preparation Batch No.: _____ Instrument ID: 19094

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	5.02		0.50	0.080
156-60-5	trans-1,2-Dichloroethene	5.60		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	4.98		0.50	0.080
79-01-6	Trichloroethene	5.48		0.50	0.080
75-01-4	Vinyl chloride	5.48		0.50	0.10
1330-20-7	Xylenes, Total	15.0		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)	101		80-120
1868-53-7	Dibromofluoromethane (Surr)	104		80-120
2037-26-5	Toluene-d8 (Surr)	98		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20241210-132838.b\HD10X04.D
 Lims ID: LCSD
 Client ID:
 Sample Type: LCSD
 Inject. Date: 10-Dec-2024 10:45:30 ALS Bottle#: 4 Worklist Smp#: 5
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0132838-005
 Misc. Info.: LCSD
 Operator ID: ecr105096 Instrument ID: 19094
 Method: \\chromfs\Lancaster\ChromData\19094\20241210-132838.b\MSV_19094_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 10-Dec-2024 13:23:41 Calib Date: 15-Oct-2024 00:00:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1657

First Level Reviewer: N7YK

Date: 10-Dec-2024 11:13:10

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.867	1.861	0.006	99	313708	5.00	5.98	
5 Chloromethane	50	2.050	2.044	0.006	99	408092	5.00	5.22	
7 Butadiene	39	2.148	2.142	0.006	94	408594	5.00	5.65	
6 Vinyl chloride	62	2.160	2.154	0.006	98	368440	5.00	5.48	
9 Bromomethane	94	2.471	2.471	0.000	91	249451	5.00	5.15	
10 Chloroethane	64	2.520	2.520	0.000	100	227991	5.00	5.27	
11 Dichlorofluoromethane	67	2.733	2.733	0.000	97	582173	5.00	5.25	
12 Trichlorofluoromethane	101	2.831	2.824	0.007	96	423298	5.00	5.72	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.105	3.093	0.012	94	330140	5.00	5.29	
17 1,1-Dichloroethene	96	3.318	3.312	0.006	95	239278	5.00	5.74	
19 Acetone	43	3.343	3.336	0.007	67	351490	62.5	54.7	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.349	3.343	0.006	93	223418	5.00	5.78	
21 Iodomethane	142	3.495	3.495	0.000	100	417275	5.00	4.89	
22 Ethyl bromide	108	3.519	3.519	0.000	98	195346	5.05	4.82	
23 Carbon disulfide	76	3.605	3.599	0.006	99	686831	5.00	5.19	
24 Methyl acetate	43	3.733	3.714	0.019	38	81805	5.00	4.64	
26 3-Chloro-1-propene	41	3.757	3.745	0.012	92	460311	5.00	5.26	
27 Methylene Chloride	84	3.922	3.916	0.006	96	269293	5.00	5.39	
* 28 t-Butyl alcohol-d10 (IS)	65	3.910	3.922	-0.012	36	115522	50.0	50.0	
29 2-Methyl-2-propanol	59	4.080	4.025	0.055	92	90136	50.0	45.4	M
31 Acrylonitrile	53	4.245	4.233	0.012	99	195901	25.0	23.2	
32 Methyl tert-butyl ether	73	4.300	4.287	0.013	98	565048	5.00	4.87	
33 trans-1,2-Dichloroethene	96	4.312	4.312	0.000	97	272465	5.00	5.60	
34 Hexane	57	4.727	4.726	0.001	94	371609	5.00	5.74	
36 1,1-Dichloroethane	63	4.970	4.964	0.006	96	554997	5.00	5.80	
37 Isopropyl ether	45	5.025	5.019	0.006	95	907284	5.00	5.23	
38 2-Chloro-1,3-butadiene	53	5.080	5.068	0.012	91	414149	5.00	5.21	
40 Tert-butyl ethyl ether	59	5.568	5.568	0.000	99	779289	5.00	4.94	
41 2-Butanone (MEK)	43	5.769	5.757	0.012	100	761781	62.5	68.2	
42 cis-1,2-Dichloroethene	96	5.806	5.799	0.007	85	298242	5.00	5.25	
43 2,2-Dichloropropane	77	5.812	5.818	-0.006	88	445919	5.00	5.61	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
44 Propionitrile	54	5.873	5.842	0.031	96	108754	37.5	35.9	
47 Methacrylonitrile	67	6.068	6.062	0.006	94	452795	37.5	37.2	
48 Chlorobromomethane	128	6.147	6.141	0.006	97	119253	5.00	5.16	
49 Tetrahydrofuran	71	6.159	6.141	0.018	80	76909	25.0	24.5	
50 Chloroform	83	6.293	6.293	0.000	94	498095	5.00	5.54	
\$ 52 Dibromofluoromethane (Surr)	113	6.507	6.507	0.000	93	580429	10.0	10.4	
53 1,1,1-Trichloroethane	97	6.531	6.525	0.006	99	438605	5.00	5.73	
54 Cyclohexane	56	6.635	6.628	0.007	92	486363	5.00	5.83	
55 1,1-Dichloropropene	75	6.744	6.738	0.006	95	400134	5.00	5.57	
56 Carbon tetrachloride	117	6.744	6.738	0.006	90	390790	5.00	6.12	
57 Isobutyl alcohol	41	6.909	6.891	0.018	93	81144	125.0	110.7	
\$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.970	6.964	0.006	95	114821	10.0	10.1	
59 Benzene	78	7.001	7.000	0.001	97	1170592	5.00	5.30	
60 1,2-Dichloroethane	62	7.074	7.074	0.000	97	300962	5.00	5.80	
63 Tert-amyl methyl ether	73	7.208	7.208	0.000	98	644030	5.00	4.92	
* 64 Fluorobenzene (IS)	96	7.415	7.415	0.000	98	2396674	10.0	10.0	
65 n-Heptane	43	7.439	7.433	0.006	95	402157	5.00	6.32	
67 n-Butanol	56	7.824	7.799	0.025	94	99882	250.0	196.6	
68 Trichloroethene	95	7.909	7.903	0.006	98	302598	5.00	5.48	
69 Methylcyclohexane	83	8.226	8.220	0.006	93	462462	5.00	5.81	
70 1,2-Dichloropropane	63	8.238	8.238	0.000	97	316333	5.00	5.66	
71 2-ethoxy-2-methyl butane	87	8.256	8.256	0.000	91	411904	5.00	4.97	
72 Methyl methacrylate	69	8.342	8.335	0.007	92	105801	5.00	4.60	
73 1,4-Dioxane	88	8.348	8.342	0.006	28	13879	125.0	153.4	
74 Dibromomethane	93	8.354	8.348	0.006	96	123446	5.00	5.28	
76 Dichlorobromomethane	83	8.592	8.592	0.000	99	340991	5.00	5.48	
77 2-Nitropropane	41	8.866	8.854	0.012	98	28771	5.00	3.84	
79 1-Bromo-2-chloroethane	63	8.994	8.988	0.006	99	281513	5.00	5.48	
80 cis-1,3-Dichloropropene	75	9.165	9.158	0.007	95	404688	5.00	5.15	
82 4-Methyl-2-pentanone (MIBK)	43	9.342	9.341	0.001	98	2010433	62.5	65.4	
\$ 83 Toluene-d8 (Surr)	98	9.482	9.488	-0.006	94	2492403	10.0	9.77	
84 Toluene	92	9.567	9.567	0.000	98	735770	5.00	5.02	
85 trans-1,3-Dichloropropene	75	9.841	9.841	0.000	94	335221	5.00	4.98	
104 Ethyl methacrylate	69	9.915	9.908	0.007	91	230887	5.00	4.27	
106 1,1,2-Trichloroethane	97	10.049	10.049	0.000	91	177221	5.00	4.78	
107 Tetrachloroethene	166	10.140	10.140	0.000	98	329253	5.00	4.98	
108 1,3-Dichloropropane	76	10.219	10.213	0.006	92	327136	5.00	5.03	
109 2-Hexanone	43	10.274	10.274	0.000	99	1349520	62.5	68.5	
111 Chlorodibromomethane	129	10.439	10.439	0.000	91	223577	5.00	5.07	
112 Ethylene Dibromide	107	10.555	10.548	0.007	100	164758	5.00	4.87	
* 113 Chlorobenzene-d5 (IS)	117	10.994	10.993	0.001	87	1860555	10.0	10.0	
114 1-Chlorohexane	91	11.006	11.006	0.000	98	396735	5.00	4.77	
115 Chlorobenzene	112	11.024	11.024	0.000	93	794239	5.00	5.03	
116 1,1,1,2-Tetrachloroethane	131	11.109	11.109	0.000	96	274435	5.00	5.01	
117 Ethylbenzene	91	11.109	11.109	0.000	99	1453454	5.00	5.11	
119 m-Xylene & p-Xylene	106	11.231	11.231	0.000	100	1105500	10.0	10.0	
120 o-Xylene	106	11.567	11.567	0.000	96	534224	5.00	4.99	
121 Styrene	104	11.585	11.579	0.006	95	848847	5.00	4.88	
122 Bromoform	173	11.737	11.737	0.000	96	129589	5.00	5.29	
123 Isopropylbenzene	105	11.872	11.871	0.001	96	1454112	5.00	5.75	
\$ 126 4-Bromofluorobenzene (Surr)	95	12.018	12.018	0.000	90	922888	10.0	10.1	
127 1,1,2,2-Tetrachloroethane	83	12.121	12.121	0.000	93	217663	5.00	4.76	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
128 Bromobenzene	156	12.134	12.134	0.000	98	319672	5.00	4.83	
129 trans-1,4-Dichloro-2-butene	53	12.146	12.146	0.000	93	264640	25.0	25.6	
130 1,2,3-Trichloropropane	110	12.164	12.164	0.000	80	56909	5.00	5.12	
131 N-Propylbenzene	91	12.207	12.207	0.000	99	1715592	5.00	5.14	
132 2-Chlorotoluene	126	12.280	12.280	0.000	96	329557	5.00	5.03	
133 1,3,5-Trimethylbenzene	105	12.341	12.341	0.000	94	1197561	5.00	5.10	
134 4-Chlorotoluene	126	12.371	12.371	0.000	98	334425	5.00	4.98	
135 tert-Butylbenzene	134	12.585	12.585	0.000	94	249646	5.00	4.67	
137 1,2,4-Trimethylbenzene	105	12.627	12.627	0.000	98	1186538	5.00	4.95	
138 sec-Butylbenzene	105	12.749	12.749	0.000	94	1533326	5.00	5.11	
139 1,3-Dichlorobenzene	146	12.847	12.847	0.000	98	641711	5.00	4.93	
140 4-Isopropyltoluene	119	12.859	12.859	0.000	97	1300567	5.00	4.94	
* 141 1,4-Dichlorobenzene-d4	152	12.908	12.908	0.000	94	1045399	10.0	10.0	
142 1,4-Dichlorobenzene	146	12.926	12.926	0.000	95	651856	5.00	4.91	
143 1,2,3-Trimethylbenzene	120	12.932	12.932	0.000	99	498808	5.00	4.61	
144 Benzyl chloride	126	13.005	12.999	0.006	99	83618	5.00	4.52	
145 p-Diethylbenzene	119	13.133	13.133	0.000	95	786840	5.00	4.96	
146 n-Butylbenzene	92	13.152	13.158	-0.006	98	635704	5.00	5.23	
147 1,2-Dichlorobenzene	146	13.182	13.182	0.000	98	576817	5.00	4.97	
149 1,2-Dibromo-3-Chloropropane	155	13.731	13.731	0.000	84	26738	5.00	4.41	
150 1,3,5-Trichlorobenzene	180	13.859	13.859	0.000	97	473609	5.00	4.90	
151 1,2,4-Trichlorobenzene	180	14.286	14.279	0.007	94	409568	5.00	4.94	
152 Hexachlorobutadiene	225	14.365	14.365	0.000	95	169288	5.00	5.05	
153 Naphthalene	128	14.462	14.462	0.000	97	669157	5.00	4.67	
154 1,2,3-Trichlorobenzene	180	14.603	14.603	0.000	95	336244	5.00	4.68	
157 Pentane	43		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

MSV_LCS_VOC#1_00198

Amount Added: 12.50

Units: uL

MSV_QC_Gas826_00236

Amount Added: 12.50

Units: uL

LCS_ETBR_00009

Amount Added: 12.50

Units: uL

MSV_LLcentISS_00013

Amount Added: 5.00

Units: uL

Run Reagent

Report Date: 10-Dec-2024 13:23:56

Chrom Revision: 2.3 12-Nov-2024 16:55:22

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20241210-132838.b\HD10X04.D

Injection Date: 10-Dec-2024 10:45:30

Instrument ID: 19094

Operator ID: ecr105096

Lims ID: LCSD

Worklist Smp#: 5

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

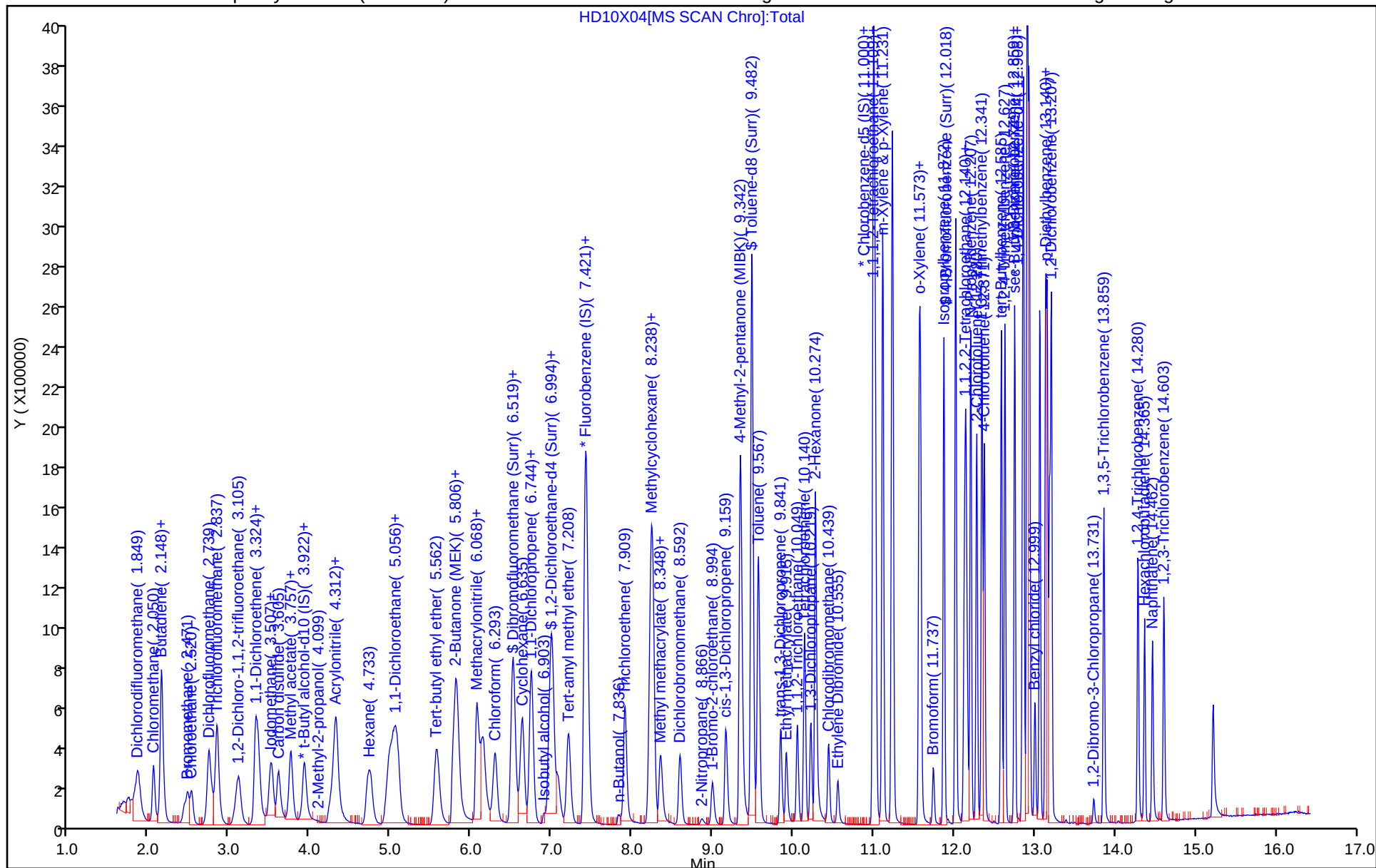
ALS Bottle#: 4

Method: MSV_19094_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\19094\20241210-132838.b\HD10X04.D
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 10-Dec-2024 10:45:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0132838-005
Misc. Info.: LCSD
Operator ID: ecr105096 Instrument ID: 19094
Method: \\chromfs\Lancaster\ChromData\19094\20241210-132838.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 10-Dec-2024 13:23:41 Calib Date: 15-Oct-2024 00:00:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X18.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1657

First Level Reviewer: N7YK

Date: 10-Dec-2024 11:13:10

Compound	Amount Added	Amount Recovered	% Rec.
\$ 52 Dibromofluoromethane (Surr)	10.0	10.4	103.81
\$ 58 1,2-Dichloroethane-d4 (Surr)	10.0	10.1	100.98
\$ 83 Toluene-d8 (Surr)	10.0	9.77	97.73
\$ 126 4-Bromofluorobenzene (Surr)	10.0	10.1	100.92

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-198585-1

SDG No.:

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

Lab Sample ID: 410-198585-6 MS

Matrix: Water

Lab File ID: GD04X22.D

Analysis Method: 8260D

Date Collected: 11/25/2024 11:37

Sample wt/vol: 25 (mL)

Date Analyzed: 12/04/2024 19:01

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.: 581981

Units: ug/L

Preparation Batch No.:

Instrument ID: 16334

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	4.98		0.50	0.070
71-55-6	1,1,1-Trichloroethane	5.39		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	4.55		0.50	0.10
79-00-5	1,1,2-Trichloroethane	4.84		0.50	0.080
75-34-3	1,1-Dichloroethane	5.11		0.50	0.10
75-35-4	1,1-Dichloroethene	5.64		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	4.86		0.50	0.080
107-06-2	1,2-Dichloroethane	4.67		0.50	0.070
78-87-5	1,2-Dichloropropane	4.81		0.50	0.10
78-93-3	2-Butanone (MEK)	58.6		5.0	1.0
591-78-6	2-Hexanone	57.7		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	58.9		5.0	1.0
67-64-1	Acetone	53.0		5.0	1.5
71-43-2	Benzene	4.79		0.50	0.10
74-97-5	Bromochloromethane	5.18		0.50	0.080
75-27-4	Bromodichloromethane	4.86		0.50	0.080
75-25-2	Bromoform	4.91		1.0	0.30
74-83-9	Bromomethane	5.00		0.50	0.10
75-15-0	Carbon disulfide	4.66		1.0	0.10
56-23-5	Carbon tetrachloride	5.35		0.50	0.10
108-90-7	Chlorobenzene	4.93		0.50	0.070
75-00-3	Chloroethane	5.21		0.50	0.10
67-66-3	Chloroform	5.07		0.50	0.090
74-87-3	Chloromethane	4.07		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	6.31		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	4.48		0.50	0.10
124-48-1	Dibromochloromethane	4.92		0.50	0.080
100-41-4	Ethylbenzene	4.93		0.50	0.080
1634-04-4	Methyl tert-butyl ether	4.60		0.50	0.080
75-09-2	Methylene Chloride	4.93		0.50	0.20
100-42-5	Styrene	5.30		0.50	0.070
127-18-4	Tetrachloroethene	9.99		0.50	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-198585-1

SDG No.:

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

Lab Sample ID: 410-198585-6 MS

Matrix: Water

Lab File ID: GD04X22.D

Analysis Method: 8260D

Date Collected: 11/25/2024 11:37

Sample wt/vol: 25 (mL)

Date Analyzed: 12/04/2024 19:01

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.: 581981

Units: ug/L

Preparation Batch No.:

Instrument ID: 16334

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	5.02		0.50	0.080
156-60-5	trans-1,2-Dichloroethene	5.12		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	4.67		0.50	0.080
79-01-6	Trichloroethene	6.04		0.50	0.080
75-01-4	Vinyl chloride	4.60		0.50	0.10
1330-20-7	Xylenes, Total	15.1		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		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)	99		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X22.D
 Lims ID: 410-198585-A-6 MS
 Client ID: HD-COD-SW-15-0/1-0 MS
 Sample Type: MS
 Inject. Date: 04-Dec-2024 19:01:30 ALS Bottle#: 22 Worklist Smp#: 23
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0132342-023
 Operator ID: knk41612 Instrument ID: 16334
 Method: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\MSV_16334_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 10-Dec-2024 07:27:08 Calib Date: 03-Dec-2024 18:18:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1614

First Level Reviewer: FQ4L

Date: 10-Dec-2024 07:23:15

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.703	1.703	0.000	99	292022	5.00	5.00	
5 Chloromethane	50	1.873	1.873	0.000	99	284748	5.00	4.07	
7 Butadiene	39	1.959	1.959	0.000	90	310337	5.00	4.81	
6 Vinyl chloride	62	1.977	1.977	0.000	98	291927	5.00	4.60	
9 Bromomethane	94	2.270	2.264	0.006	90	206280	5.00	5.00	M
10 Chloroethane	64	2.300	2.300	0.000	100	166966	5.00	5.21	
11 Dichlorofluoromethane	67	2.501	2.501	0.000	96	455654	5.00	5.08	
12 Trichlorofluoromethane	101	2.593	2.593	0.000	98	410182	5.00	5.84	
16 1,2-Dichloro-1,1,2-trifluoroethane	67	2.843	2.837	0.006	91	294394	5.00	5.56	
18 1,1-Dichloroethene	96	3.019	3.019	0.000	98	232200	5.00	5.64	
19 Acetone	43	3.056	3.050	0.006	71	219747	62.6	53.0	
20 1,1,2-Trichloro-1,2,2-trifluoroethane	101	3.056	3.062	-0.006	92	225780	5.00	5.21	
22 Iodomethane	142	3.184	3.184	0.000	99	361892	5.00	4.55	
21 Isopropyl alcohol	45	3.215	3.202	0.013	25	17716	37.5	38.2	
24 Carbon disulfide	76	3.276	3.276	0.000	99	702629	5.00	4.66	
25 Methyl acetate	43	3.404	3.410	-0.006	33	48539	5.00	2.78	
27 3-Chloro-1-propene	41	3.416	3.422	-0.006	93	307777	5.00	4.30	
29 Methylene Chloride	84	3.574	3.580	-0.006	95	224281	5.00	4.93	
* 30 t-Butyl alcohol-d10 (IS)	65	3.611	3.605	0.006	99	72233	50.0	50.0	
31 2-Methyl-2-propanol	59	3.702	3.708	-0.006	98	52753	50.0	62.1	
32 Acrylonitrile	53	3.879	3.873	0.006	97	134307	25.0	23.7	
34 trans-1,2-Dichloroethene	96	3.928	3.928	0.000	99	247388	5.00	5.12	
33 Methyl tert-butyl ether	73	3.928	3.934	-0.006	78	421999	5.00	4.60	
35 Hexane	57	4.324	4.324	0.000	90	321713	5.00	5.09	
37 1,1-Dichloroethane	63	4.556	4.556	0.000	96	447491	5.00	5.11	
38 Isopropyl ether	45	4.629	4.635	-0.006	93	601916	5.00	4.37	
39 2-Chloro-1,3-butadiene	53	4.678	4.672	0.006	90	310442	5.00	4.63	
40 Tert-butyl ethyl ether	59	5.184	5.184	0.000	97	539094	5.00	4.44	
41 2-Butanone (MEK)	43	5.391	5.391	0.000	100	416542	62.6	58.6	
42 cis-1,2-Dichloroethene	96	5.415	5.415	0.000	81	333657	5.00	6.31	
43 2,2-Dichloropropane	77	5.428	5.428	0.000	62	363212	5.00	4.87	
45 Propionitrile	54	5.501	5.476	0.025	97	70799	37.5	37.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
48 Methacrylonitrile	67	5.696	5.696	0.000	92	298714	37.5	39.0	
49 Chlorobromomethane	128	5.751	5.757	-0.006	91	102887	5.00	5.18	
50 Tetrahydrofuran	71	5.775	5.769	0.006	78	48476	25.0	23.9	
51 Chloroform	83	5.915	5.915	0.000	93	435894	5.00	5.07	
\$ 52 Dibromofluoromethane (Surr)	113	6.135	6.135	0.000	93	429898	10.0	9.99	
53 1,1,1-Trichloroethane	97	6.135	6.141	-0.006	87	410049	5.00	5.39	
54 Cyclohexane	56	6.238	6.238	0.000	89	384281	5.00	5.06	
55 Carbon tetrachloride	117	6.348	6.354	-0.006	96	348130	5.00	5.35	
56 1,1-Dichloropropene	75	6.360	6.360	0.000	97	337596	5.00	4.97	
58 Isobutyl alcohol	41	6.586	6.568	0.018	36	34306	125.1	103.5	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.598	6.598	0.000	89	82559	10.0	10.1	
60 Benzene	78	6.622	6.622	0.000	96	970085	5.00	4.79	
61 1,2-Dichloroethane	62	6.696	6.696	0.000	97	216859	5.00	4.67	
63 Tert-amyl methyl ether	73	6.842	6.842	0.000	99	461647	5.00	4.59	
* 64 Fluorobenzene (IS)	96	7.043	7.043	0.000	99	1824513	10.0	10.0	
65 n-Heptane	43	7.067	7.067	0.000	92	327460	5.00	5.28	
67 n-Butanol	56	7.494	7.482	0.012	90	62163	250.2	245.4	
68 Trichloroethene	95	7.531	7.537	-0.006	98	314325	5.00	6.04	
69 Methylcyclohexane	83	7.842	7.842	0.000	91	428108	5.00	5.38	
70 1,2-Dichloropropane	63	7.866	7.866	0.000	97	235719	5.00	4.81	
71 2-ethoxy-2-methyl butane	87	7.903	7.903	0.000	96	330753	5.00	4.68	
74 Dibromomethane	93	7.976	7.982	-0.006	96	98997	5.00	4.92	
73 1,4-Dioxane	88	8.019	7.982	0.036	32	13408	125.1	145.2	
72 Methyl methacrylate	69	7.988	7.988	0.000	90	63840	5.00	4.39	
76 Dichlorobromomethane	83	8.226	8.226	0.000	99	272936	5.00	4.86	
77 2-Nitropropane	41	8.512	8.506	0.006	97	16042	5.00	3.61	
79 1-Bromo-2-chloroethane	63	8.622	8.616	0.006	99	208198	5.00	4.94	
81 cis-1,3-Dichloropropene	75	8.799	8.799	0.000	97	308414	5.00	4.48	
82 4-Methyl-2-pentanone (MIBK)	43	9.006	9.006	0.000	96	1082592	62.6	58.9	
\$ 83 Toluene-d8 (Surr)	98	9.134	9.134	0.000	93	1828152	10.0	9.93	
84 Toluene	92	9.219	9.219	0.000	98	641505	5.00	5.02	
85 trans-1,3-Dichloropropene	75	9.518	9.518	0.000	91	249527	5.00	4.67	
86 Ethyl methacrylate	69	9.610	9.610	0.000	87	151618	5.00	4.70	
107 1,1,2-Trichloroethane	97	9.738	9.738	0.000	90	142781	5.00	4.84	
108 Tetrachloroethene	166	9.823	9.823	0.000	98	575783	5.00	9.99	
109 1,3-Dichloropropane	76	9.908	9.908	0.000	88	240445	5.00	4.71	
110 2-Hexanone	43	9.988	9.988	0.000	95	736143	62.6	57.7	
112 Chlorodibromomethane	129	10.134	10.134	0.000	90	177278	5.00	4.92	
113 Ethylene Dibromide	107	10.244	10.244	0.000	99	127548	5.00	4.86	
* 114 Chlorobenzene-d5 (IS)	117	10.707	10.707	0.000	84	1326034	10.0	10.0	
116 Chlorobenzene	112	10.731	10.731	0.000	96	707573	5.00	4.93	
115 1-Chlorohexane	91	10.731	10.731	0.000	95	333923	5.00	4.85	
117 1,1,1,2-Tetrachloroethane	131	10.823	10.823	0.000	95	232042	5.00	4.98	
118 Ethylbenzene	91	10.829	10.829	0.000	98	1225953	5.00	4.93	
120 m-Xylene & p-Xylene	106	10.951	10.951	0.000	100	970740	10.0	10.1	
121 o-Xylene	106	11.292	11.292	0.000	96	457462	5.00	5.00	
122 Styrene	104	11.304	11.304	0.000	94	738770	5.00	5.30	
123 Bromoform	173	11.463	11.457	0.006	96	91412	5.00	4.91	
124 Isopropylbenzene	105	11.603	11.603	0.000	95	1246948	5.00	5.80	
\$ 127 4-Bromofluorobenzene (Surr)	95	11.743	11.743	0.000	91	630776	10.0	9.92	
128 1,1,2,2-Tetrachloroethane	83	11.859	11.859	0.000	65	154032	5.00	4.55	
129 Bromobenzene	156	11.859	11.859	0.000	89	278869	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
130 trans-1,4-Dichloro-2-butene	53	11.884	11.884	0.000	88	134681	25.0	17.2	
131 1,2,3-Trichloropropane	110	11.902	11.902	0.000	82	42555	5.00	4.71	
132 N-Propylbenzene	91	11.938	11.938	0.000	99	1473155	5.00	4.83	
133 2-Chlorotoluene	126	12.012	12.012	0.000	97	293643	5.00	4.84	
134 1,3,5-Trimethylbenzene	105	12.079	12.079	0.000	93	1062803	5.00	4.94	
135 4-Chlorotoluene	126	12.103	12.103	0.000	97	302193	5.00	4.82	
136 tert-Butylbenzene	134	12.323	12.323	0.000	92	215030	5.00	4.61	
138 1,2,4-Trimethylbenzene	105	12.365	12.365	0.000	98	1083606	5.00	4.92	
139 sec-Butylbenzene	105	12.487	12.487	0.000	94	1380304	5.00	4.95	
140 1,3-Dichlorobenzene	146	12.585	12.585	0.000	98	592314	5.00	4.90	
141 4-Isopropyltoluene	119	12.603	12.603	0.000	97	1192924	5.00	5.01	
* 142 1,4-Dichlorobenzene-d4	152	12.640	12.640	0.000	93	730127	10.0	10.0	
143 1,4-Dichlorobenzene	146	12.658	12.658	0.000	96	591056	5.00	4.79	
144 1,2,3-Trimethylbenzene	120	12.670	12.670	0.000	98	442714	5.00	4.70	
145 Benzyl chloride	126	12.737	12.737	0.000	98	64975	5.00	4.74	
146 p-Diethylbenzene	119	12.877	12.877	0.000	93	737374	5.00	5.02	
147 n-Butylbenzene	92	12.896	12.896	0.000	97	596485	5.00	4.89	
148 1,2-Dichlorobenzene	146	12.914	12.914	0.000	99	509733	5.00	4.86	
150 1,2-Dibromo-3-Chloropropane	155	13.463	13.463	0.000	85	18399	5.00	4.74	
151 1,3,5-Trichlorobenzene	180	13.591	13.591	0.000	98	465187	5.00	4.90	
152 1,2,4-Trichlorobenzene	180	14.011	14.011	0.000	95	374047	5.00	4.94	
153 Hexachlorobutadiene	225	14.103	14.103	0.000	97	218816	5.00	5.29	
154 Naphthalene	128	14.188	14.188	0.000	97	497355	5.00	4.94	
155 1,2,3-Trichlorobenzene	180	14.334	14.334	0.000	95	287482	5.00	4.87	
156 2-Methylnaphthalene	142	14.920	14.920	0.000	92	242305	5.00	4.66	
167 Pentane	43	2.751	2.763	-0.012	1	324	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Review Flags

M - Manually Integrated

Reagents:

MSV_QC_Gas826_00234

Amount Added: 5.38

Units: uL

MSV_LCS_VOC#1_00197

Amount Added: 5.38

Units: uL

MSV_29_826ISS_00057

Amount Added: 1.20

Units: uL

Run Reagent

Report Date: 10-Dec-2024 09:47:30

Chrom Revision: 2.3 12-Nov-2024 16:55:22

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X22.D

Injection Date: 04-Dec-2024 19:01:30

Instrument ID: 16334

Operator ID: knk41612

Lims ID: 410-198585-A-6 MS

Worklist Smp#: 23

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

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

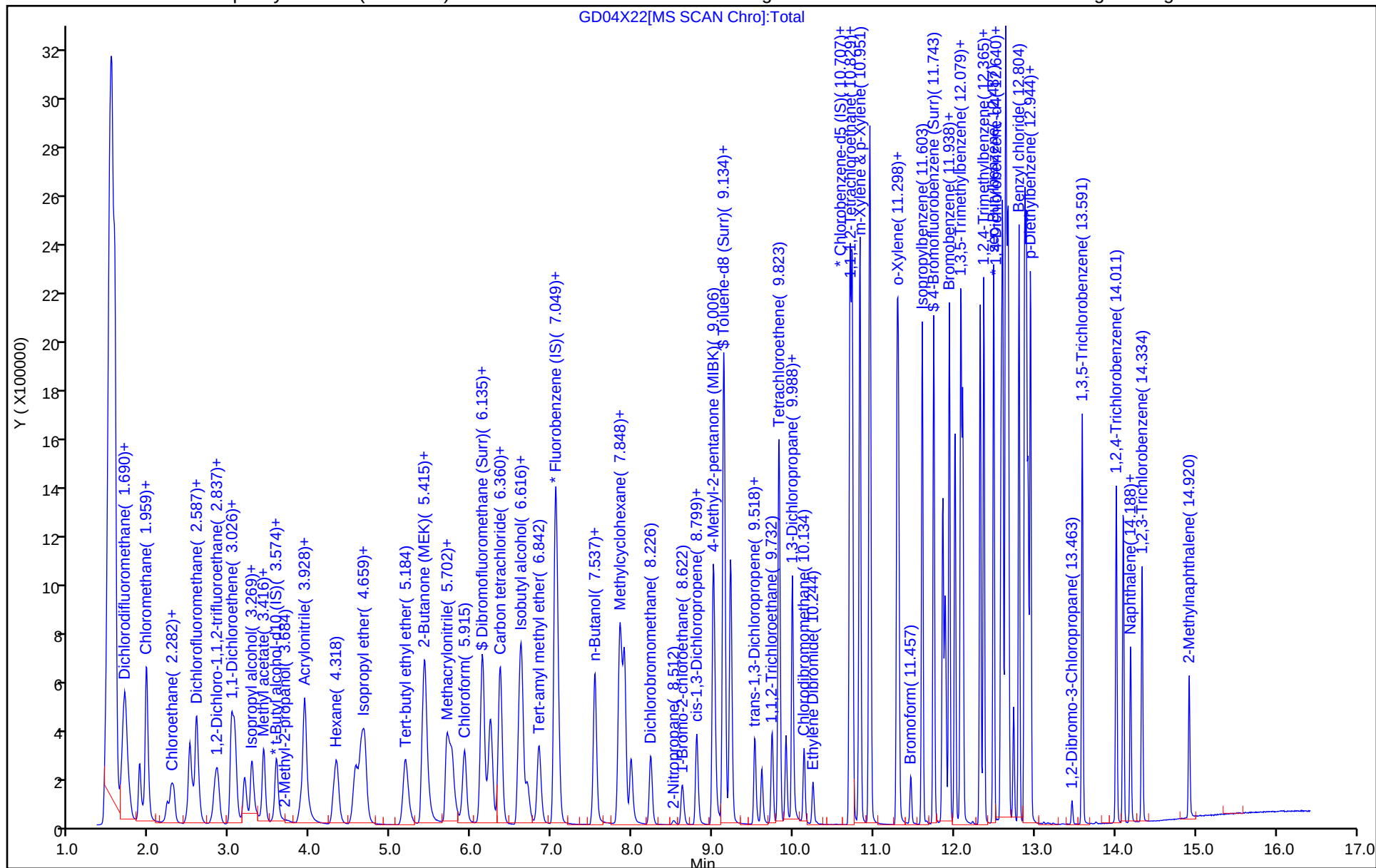
ALS Bottle#: 22

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X22.D
Lims ID: 410-198585-A-6 MS
Client ID: HD-COD-SW-15-0/1-0 MS
Sample Type: MS
Inject. Date: 04-Dec-2024 19:01:30 ALS Bottle#: 22 Worklist Smp#: 23
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0132342-023
Operator ID: knk41612 Instrument ID: 16334
Method: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 10-Dec-2024 07:27:08 Calib Date: 03-Dec-2024 18:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X18.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1614

First Level Reviewer: FQ4L

Date: 10-Dec-2024 07:23:15

Compound	Amount Added	Amount Recovered	% Rec.
\$ 52 Dibromofluoromethane (Surr)	10.0	9.99	99.87
\$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.1	100.53
\$ 83 Toluene-d8 (Surr)	10.0	9.93	99.33
\$ 127 4-Bromofluorobenzene (Surr)	10.0	9.92	99.24

Eurofins Lancaster Laboratories Environment Testing, LLC

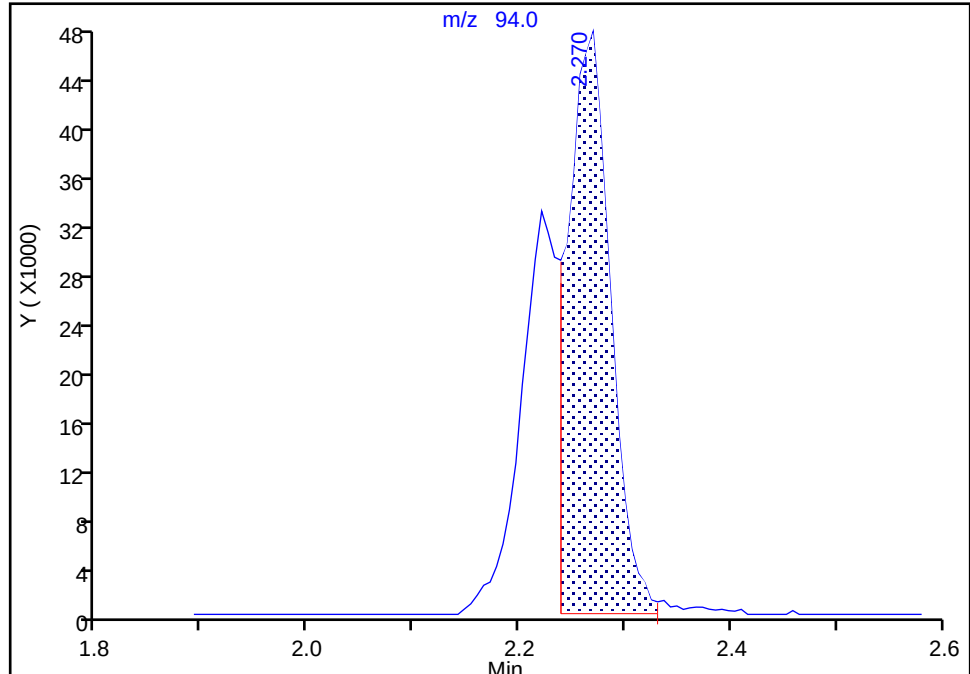
Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X22.D
Injection Date: 04-Dec-2024 19:01:30 Instrument ID: 16334
Lims ID: 410-198585-A-6 MS
Client ID: HD-COD-SW-15-0/1-0 MS
Operator ID: knk41612 ALS Bottle#: 22 Worklist Smp#: 23
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

9 Bromomethane, CAS: 74-83-9

Signal: 1

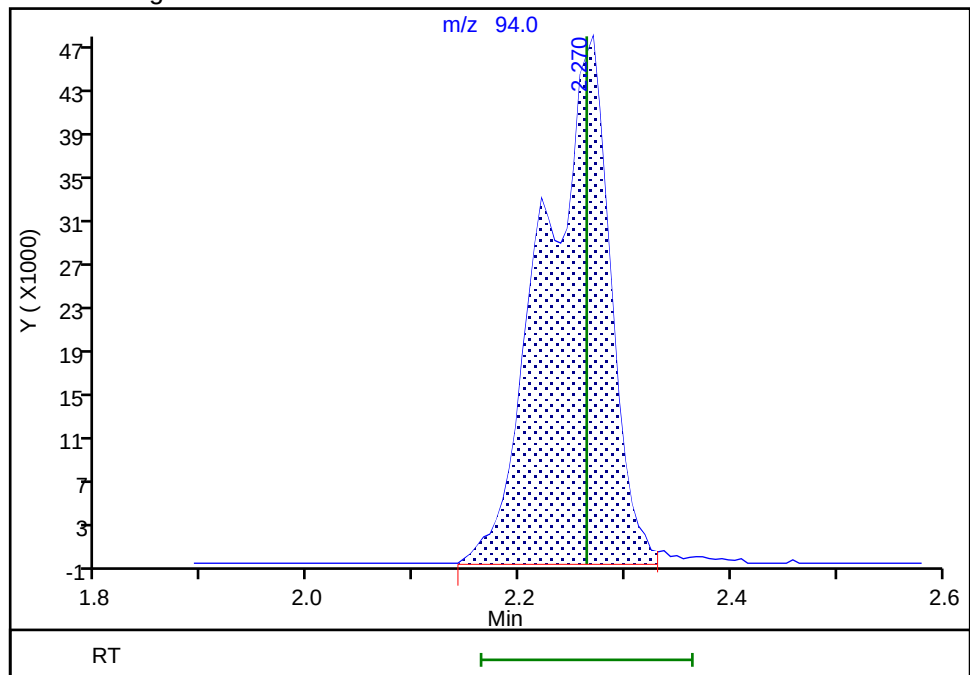
RT: 2.27
Area: 132818
Amount: 3.220052
Amount Units: ug/l

Processing Integration Results



RT: 2.27
Area: 206280
Amount: 5.001071
Amount Units: ug/l

Manual Integration Results



Reviewer: FQ4L, 06-Dec-2024 07:27:53 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.: 410-198585-1

SDG No.:

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

Lab Sample ID: 410-198585-6 MSD

Matrix: Water

Lab File ID: GD04X23.D

Analysis Method: 8260D

Date Collected: 11/25/2024 11:37

Sample wt/vol: 25 (mL)

Date Analyzed: 12/04/2024 19:23

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.: 581981

Units: ug/L

Preparation Batch No.:

Instrument ID: 16334

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	5.19		0.50	0.070
71-55-6	1,1,1-Trichloroethane	5.68		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	4.79		0.50	0.10
79-00-5	1,1,2-Trichloroethane	4.97		0.50	0.080
75-34-3	1,1-Dichloroethane	5.43		0.50	0.10
75-35-4	1,1-Dichloroethene	5.98		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	5.08		0.50	0.080
107-06-2	1,2-Dichloroethane	4.78		0.50	0.070
78-87-5	1,2-Dichloropropane	5.06		0.50	0.10
78-93-3	2-Butanone (MEK)	73.2		5.0	1.0
591-78-6	2-Hexanone	70.9		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	73.2		5.0	1.0
67-64-1	Acetone	64.4		5.0	1.5
71-43-2	Benzene	5.05		0.50	0.10
74-97-5	Bromochloromethane	5.45		0.50	0.080
75-27-4	Bromodichloromethane	5.13		0.50	0.080
75-25-2	Bromoform	5.07		1.0	0.30
74-83-9	Bromomethane	5.22		0.50	0.10
75-15-0	Carbon disulfide	4.89		1.0	0.10
56-23-5	Carbon tetrachloride	5.63		0.50	0.10
108-90-7	Chlorobenzene	5.16		0.50	0.070
75-00-3	Chloroethane	5.49		0.50	0.10
67-66-3	Chloroform	5.32		0.50	0.090
74-87-3	Chloromethane	4.30		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	6.64		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	4.77		0.50	0.10
124-48-1	Dibromochloromethane	5.18		0.50	0.080
100-41-4	Ethylbenzene	5.17		0.50	0.080
1634-04-4	Methyl tert-butyl ether	4.86		0.50	0.080
75-09-2	Methylene Chloride	5.17		0.50	0.20
100-42-5	Styrene	5.56		0.50	0.070

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-198585-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: HD-COD-SW-15-0/1-0 MSD Lab Sample ID: 410-198585-6 MSD
MSD

Matrix: Water Lab File ID: GD04X23.D

Analysis Method: 8260D Date Collected: 11/25/2024 11:37

Sample wt/vol: 25 (mL) Date Analyzed: 12/04/2024 19:23

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.: 581981 Units: ug/L

Preparation Batch No.: _____ Instrument ID: 16334

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
127-18-4	Tetrachloroethene	10.5		0.50	0.20
108-88-3	Toluene	5.23		0.50	0.080
156-60-5	trans-1,2-Dichloroethene	5.40		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	4.88		0.50	0.080
79-01-6	Trichloroethene	6.49		0.50	0.080
75-01-4	Vinyl chloride	4.81		0.50	0.10
1330-20-7	Xylenes, Total	15.9		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		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)	99		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X23.D
 Lims ID: 410-198585-A-6 MSD
 Client ID: HD-COD-SW-15-0/1-0 MSD
 Sample Type: MSD
 Inject. Date: 04-Dec-2024 19:23:30 ALS Bottle#: 23 Worklist Smp#: 24
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0132342-024
 Operator ID: knk41612 Instrument ID: 16334
 Method: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\MSV_16334_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 10-Dec-2024 07:27:08 Calib Date: 03-Dec-2024 18:18:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X18.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1614

First Level Reviewer: FQ4L

Date: 10-Dec-2024 07:23:54

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.715	1.703	0.012	99	295165	5.00	5.24	
5 Chloromethane	50	1.886	1.873	0.013	99	290629	5.00	4.30	
7 Butadiene	39	1.965	1.959	0.006	90	328458	5.00	5.28	
6 Vinyl chloride	62	1.983	1.977	0.006	98	294115	5.00	4.81	
9 Bromomethane	94	2.276	2.264	0.012	92	207561	5.00	5.22	M
10 Chloroethane	64	2.306	2.300	0.006	100	169523	5.00	5.49	
11 Dichlorofluoromethane	67	2.507	2.501	0.006	97	461538	5.00	5.33	
12 Trichlorofluoromethane	101	2.599	2.593	0.006	98	412722	5.00	6.09	
16 1,2-Dichloro-1,1,2-trifluoroethane	67	2.843	2.837	0.006	92	297804	5.00	5.83	
18 1,1-Dichloroethene	96	3.026	3.019	0.007	98	237421	5.00	5.98	
19 Acetone	43	3.062	3.050	0.012	70	214617	62.6	64.4	
20 1,1,2-Trichloro-1,2,2-trifluoroethane	101	3.068	3.062	0.006	92	228733	5.00	5.48	
22 Iodomethane	142	3.190	3.184	0.006	99	368653	5.00	4.80	
21 Isopropyl alcohol	45	3.221	3.202	0.019	25	15370	37.5	34.3	
24 Carbon disulfide	76	3.282	3.276	0.006	99	711838	5.00	4.89	
25 Methyl acetate	43	3.422	3.410	0.012	28	38453	5.00	2.73	
27 3-Chloro-1-propene	41	3.422	3.422	0.000	92	307702	5.00	4.46	
29 Methylene Chloride	84	3.580	3.580	0.000	91	226685	5.00	5.17	
* 30 t-Butyl alcohol-d10 (IS)	65	3.623	3.605	0.018	99	58119	50.0	50.0	
31 2-Methyl-2-propanol	59	3.727	3.708	0.019	98	53951	50.0	79.0	
32 Acrylonitrile	53	3.891	3.873	0.018	98	130005	25.0	28.5	
34 trans-1,2-Dichloroethene	96	3.934	3.928	0.006	99	251645	5.00	5.40	
33 Methyl tert-butyl ether	73	3.934	3.934	0.000	94	430274	5.00	4.86	
35 Hexane	57	4.330	4.324	0.006	91	330046	5.00	5.42	
37 1,1-Dichloroethane	63	4.562	4.556	0.006	96	458363	5.00	5.43	
38 Isopropyl ether	45	4.641	4.635	0.006	93	613931	5.00	4.62	
39 2-Chloro-1,3-butadiene	53	4.678	4.672	0.006	90	317133	5.00	4.90	
40 Tert-butyl ethyl ether	59	5.184	5.184	0.000	98	551770	5.00	4.72	
41 2-Butanone (MEK)	43	5.397	5.391	0.006	99	418519	62.6	73.2	
42 cis-1,2-Dichloroethene	96	5.428	5.415	0.013	82	338609	5.00	6.64	
43 2,2-Dichloropropane	77	5.440	5.428	0.012	84	370648	5.00	5.15	
45 Propionitrile	54	5.507	5.476	0.031	97	48210	37.5	32.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
48 Methacrylonitrile	67	5.702	5.696	0.006	91	304373	37.5	49.4	
49 Chlorobromomethane	128	5.757	5.757	0.000	92	104288	5.00	5.45	
50 Tetrahydrofuran	71	5.781	5.769	0.012	77	49870	25.0	30.5	
51 Chloroform	83	5.915	5.915	0.000	92	440794	5.00	5.32	
\$ 52 Dibromofluoromethane (Surr)	113	6.141	6.135	0.006	94	417243	10.0	10.1	
53 1,1,1-Trichloroethane	97	6.141	6.141	0.000	91	416788	5.00	5.68	
54 Cyclohexane	56	6.244	6.238	0.006	89	393301	5.00	5.37	
55 Carbon tetrachloride	117	6.354	6.354	0.000	95	353082	5.00	5.63	
56 1,1-Dichloropropene	75	6.366	6.360	0.006	98	345956	5.00	5.28	
58 Isobutyl alcohol	41	6.580	6.568	0.012	38	37614	125.1	117.7	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.592	6.598	-0.006	89	77608	10.0	9.80	
60 Benzene	78	6.628	6.622	0.006	96	986715	5.00	5.05	
61 1,2-Dichloroethane	62	6.702	6.696	0.006	97	214011	5.00	4.78	
63 Tert-amyl methyl ether	73	6.842	6.842	0.000	99	465758	5.00	4.80	
* 64 Fluorobenzene (IS)	96	7.049	7.043	0.006	99	1759418	10.0	10.0	
65 n-Heptane	43	7.074	7.067	0.007	90	332180	5.00	5.55	
67 n-Butanol	56	7.500	7.482	0.018	89	63520	250.2	300.8	
68 Trichloroethene	95	7.537	7.537	0.000	98	325740	5.00	6.49	
69 Methylcyclohexane	83	7.842	7.842	0.000	90	435107	5.00	5.67	
70 1,2-Dichloropropane	63	7.872	7.866	0.006	97	239412	5.00	5.06	
71 2-ethoxy-2-methyl butane	87	7.909	7.903	0.006	96	340915	5.00	5.00	
74 Dibromomethane	93	7.982	7.982	0.000	96	98158	5.00	5.06	
73 1,4-Dioxane	88	8.006	7.982	0.024	29	10910	125.1	146.8	
72 Methyl methacrylate	69	7.994	7.988	0.006	90	64798	5.00	5.53	
76 Dichlorobromomethane	83	8.226	8.226	0.000	99	277666	5.00	5.13	
77 2-Nitropropane	41	8.518	8.506	0.012	99	16880	5.00	4.73	
79 1-Bromo-2-chloroethane	63	8.622	8.616	0.006	99	204857	5.00	5.04	
81 cis-1,3-Dichloropropene	75	8.799	8.799	0.000	97	316860	5.00	4.77	
82 4-Methyl-2-pentanone (MIBK)	43	9.012	9.006	0.006	96	1082143	62.6	73.2	
\$ 83 Toluene-d8 (Surr)	98	9.140	9.134	0.006	93	1778768	10.0	9.93	
84 Toluene	92	9.226	9.219	0.007	98	649944	5.00	5.23	
85 trans-1,3-Dichloropropene	75	9.524	9.518	0.006	91	254018	5.00	4.88	
86 Ethyl methacrylate	69	9.610	9.610	0.000	88	150477	5.00	4.79	
107 1,1,2-Trichloroethane	97	9.738	9.738	0.000	91	142686	5.00	4.97	
108 Tetrachloroethene	166	9.823	9.823	0.000	97	587087	5.00	10.5	
109 1,3-Dichloropropane	76	9.908	9.908	0.000	89	242935	5.00	4.89	
110 2-Hexanone	43	9.988	9.988	0.000	95	728143	62.6	70.9	
112 Chlorodibromomethane	129	10.134	10.134	0.000	89	181646	5.00	5.18	
113 Ethylene Dibromide	107	10.244	10.244	0.000	99	129829	5.00	5.08	
* 114 Chlorobenzene-d5 (IS)	117	10.707	10.707	0.000	84	1290792	10.0	10.0	
116 Chlorobenzene	112	10.731	10.731	0.000	94	721260	5.00	5.16	
115 1-Chlorohexane	91	10.731	10.731	0.000	66	340740	5.00	5.09	
117 1,1,1,2-Tetrachloroethane	131	10.823	10.823	0.000	96	235446	5.00	5.19	
118 Ethylbenzene	91	10.829	10.829	0.000	98	1249639	5.00	5.17	
120 m-Xylene & p-Xylene	106	10.951	10.951	0.000	100	988968	10.0	10.6	
121 o-Xylene	106	11.292	11.292	0.000	96	469338	5.00	5.27	
122 Styrene	104	11.304	11.304	0.000	95	754338	5.00	5.56	
123 Bromoform	173	11.463	11.457	0.006	97	91921	5.00	5.07	
124 Isopropylbenzene	105	11.603	11.603	0.000	95	1271294	5.00	6.07	
\$ 127 4-Bromofluorobenzene (Surr)	95	11.743	11.743	0.000	91	612809	10.0	9.90	
128 1,1,2,2-Tetrachloroethane	83	11.859	11.859	0.000	64	158723	5.00	4.79	
129 Bromobenzene	156	11.859	11.859	0.000	91	282305	5.00	5.08	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
130 trans-1,4-Dichloro-2-butene	53	11.884	11.884	0.000	88	133659	25.0	21.2	
131 1,2,3-Trichloropropane	110	11.896	11.902	-0.006	78	43213	5.00	4.89	
132 N-Propylbenzene	91	11.938	11.938	0.000	99	1500107	5.00	5.03	
133 2-Chlorotoluene	126	12.012	12.012	0.000	97	303179	5.00	5.11	
134 1,3,5-Trimethylbenzene	105	12.079	12.079	0.000	94	1077205	5.00	5.12	
135 4-Chlorotoluene	126	12.103	12.103	0.000	97	311359	5.00	5.08	
136 tert-Butylbenzene	134	12.323	12.323	-0.001	92	220539	5.00	4.83	
138 1,2,4-Trimethylbenzene	105	12.365	12.365	0.000	98	1096835	5.00	5.09	
139 sec-Butylbenzene	105	12.487	12.487	0.000	94	1417686	5.00	5.20	
140 1,3-Dichlorobenzene	146	12.579	12.585	-0.006	98	606767	5.00	5.13	
141 4-Isopropyltoluene	119	12.603	12.603	0.000	97	1217028	5.00	5.23	
* 142 1,4-Dichlorobenzene-d4	152	12.640	12.640	0.000	93	714172	10.0	10.0	
143 1,4-Dichlorobenzene	146	12.658	12.658	0.000	96	591245	5.00	4.90	
144 1,2,3-Trimethylbenzene	120	12.670	12.670	0.000	99	448925	5.00	4.87	
145 Benzyl chloride	126	12.737	12.737	0.000	98	64522	5.00	4.81	
146 p-Diethylbenzene	119	12.877	12.877	0.000	95	755873	5.00	5.26	
147 n-Butylbenzene	92	12.896	12.896	0.000	97	610735	5.00	5.11	
148 1,2-Dichlorobenzene	146	12.920	12.914	0.006	98	515742	5.00	5.03	
150 1,2-Dibromo-3-Chloropropane	155	13.463	13.463	0.000	86	18105	5.00	5.80	
151 1,3,5-Trichlorobenzene	180	13.591	13.591	0.000	98	478310	5.00	5.15	
152 1,2,4-Trichlorobenzene	180	14.011	14.011	0.000	94	390938	5.00	5.28	
153 Hexachlorobutadiene	225	14.103	14.103	0.000	98	222950	5.00	5.51	
154 Naphthalene	128	14.188	14.188	0.000	97	515352	5.00	5.23	
155 1,2,3-Trichlorobenzene	180	14.334	14.334	0.000	96	301074	5.00	5.22	
156 2-Methylnaphthalene	142	14.920	14.920	0.000	92	273606	5.00	5.33	
167 Pentane	43	2.751	2.763	-0.012	14	71	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Review Flags

M - Manually Integrated

Reagents:

MSV_QC_Gas826_00234

Amount Added: 5.38

Units: uL

MSV_LCS_VOC#1_00197

Amount Added: 5.38

Units: uL

MSV_29_826ISS_00057

Amount Added: 1.20

Units: uL

Run Reagent

Report Date: 10-Dec-2024 09:47:51

Chrom Revision: 2.3 12-Nov-2024 16:55:22

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X23.D

Injection Date: 04-Dec-2024 19:23:30

Instrument ID: 16334

Operator ID: knk41612

Lims ID: 410-198585-A-6 MSD

Worklist Smp#: 24

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

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

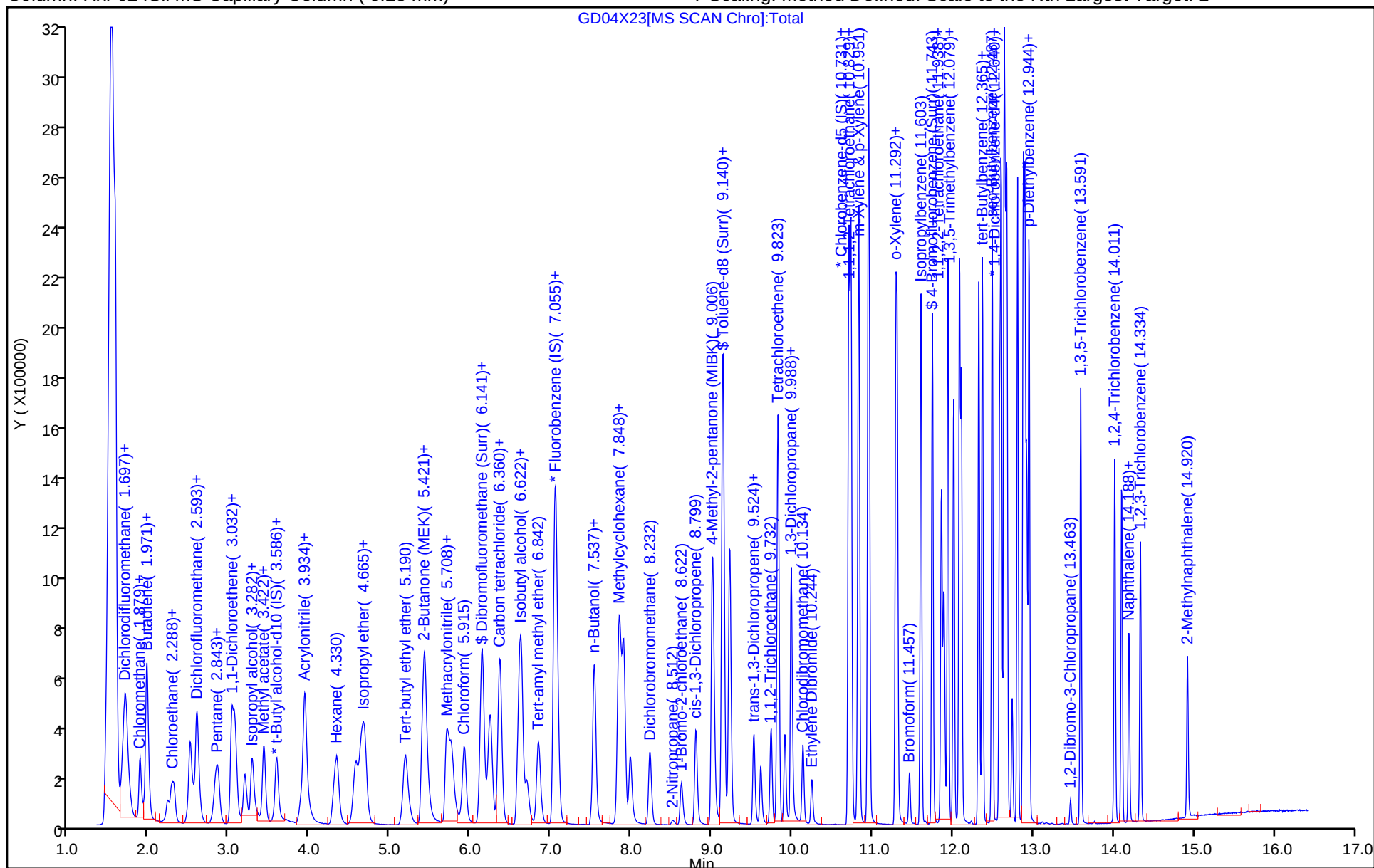
ALS Bottle#: 23

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\20241204-132342.b\GD04X23.D
Lims ID: 410-198585-A-6 MSD
Client ID: HD-COD-SW-15-0/1-0 MSD
Sample Type: MSD
Inject. Date: 04-Dec-2024 19:23:30 ALS Bottle#: 23 Worklist Smp#: 24
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0132342-024
Operator ID: knk41612 Instrument ID: 16334
Method: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 10-Dec-2024 07:27:08 Calib Date: 03-Dec-2024 18:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X18.D
Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1614

First Level Reviewer: FQ4L

Date: 10-Dec-2024 07:23:54

Compound	Amount Added	Amount Recovered	% Rec.
\$ 52 Dibromofluoromethane (Surr)	10.0	10.1	100.51
\$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	9.80	98.00
\$ 83 Toluene-d8 (Surr)	10.0	9.93	99.28
\$ 127 4-Bromofluorobenzene (Surr)	10.0	9.90	99.04

Eurofins Lancaster Laboratories Environment Testing, LLC

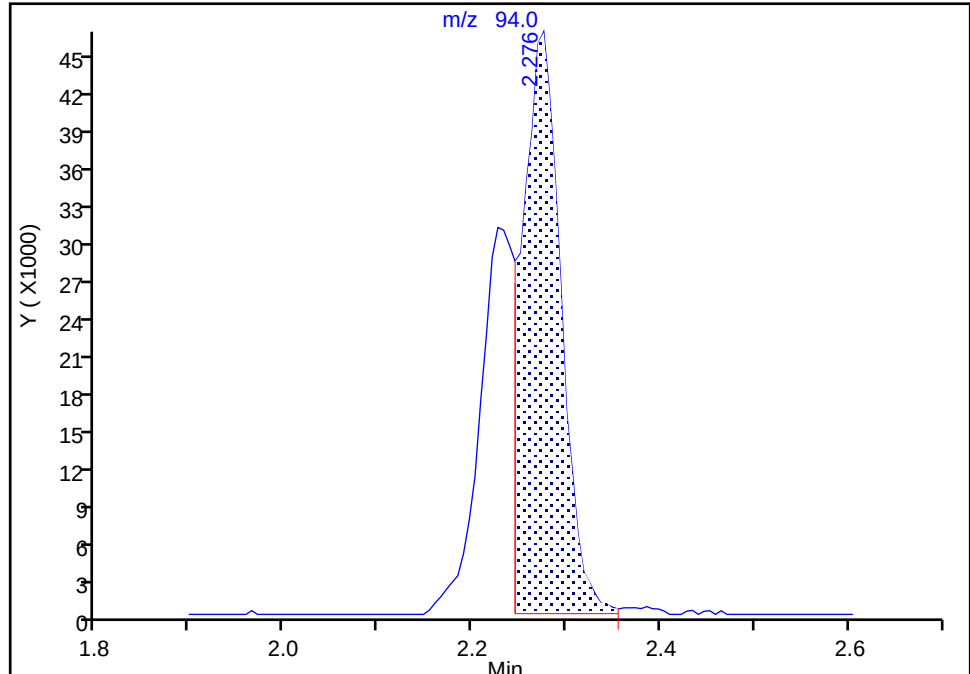
Data File: \\chromfs\Lancaster\ChromData\16334\20241204-132342.b\GD04X23.D
Injection Date: 04-Dec-2024 19:23:30 Instrument ID: 16334
Lims ID: 410-198585-A-6 MSD
Client ID: HD-COD-SW-15-0/1-0 MSD
Operator ID: knk41612 ALS Bottle#: 23 Worklist Smp#: 24
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL 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

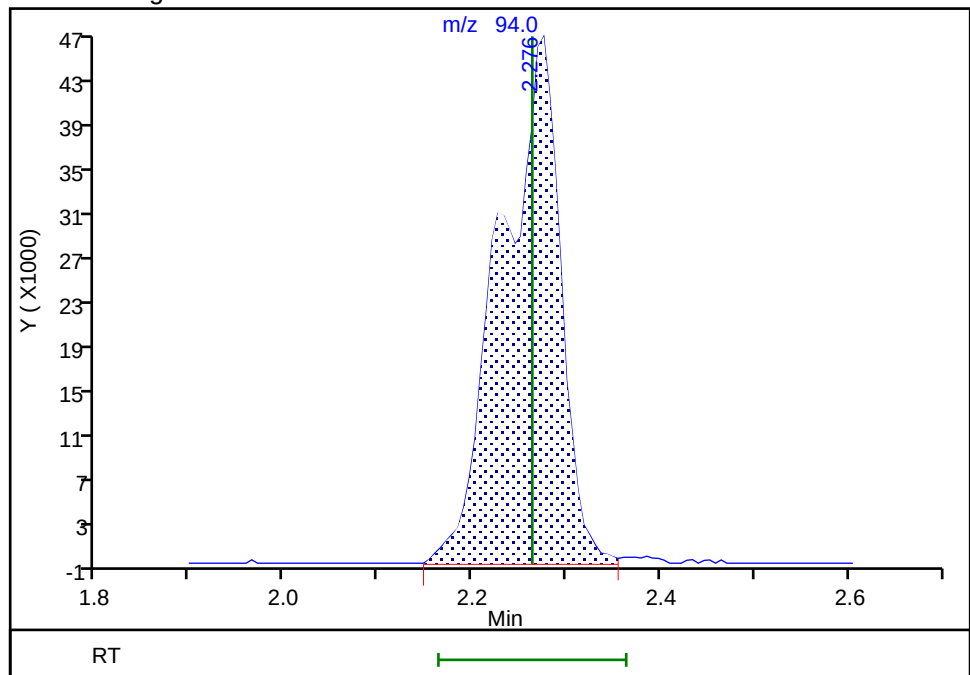
RT: 2.28
Area: 136352
Amount: 3.428036
Amount Units: ug/l

Processing Integration Results



RT: 2.28
Area: 207561
Amount: 5.218307
Amount Units: ug/l

Manual Integration Results



Reviewer: FQ4L, 06-Dec-2024 07:28:10 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.: 410-198585-1

SDG No.:

Instrument ID: 19094

Start Date: 10/14/2024 17:46

Analysis Batch Number: 562891

End Date: 10/15/2024 00:42

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-562891/1		10/14/2024 17:46	1	HC14T01.D	R-624SiIMS 30m 0.25 (mm)
IC 410-562891/3		10/14/2024 18:22	1	HC14X02.D	R-624SiIMS 30m 0.25 (mm)
IC 410-562891/4		10/14/2024 18:44	1	HC14X03.D	R-624SiIMS 30m 0.25 (mm)
IC 410-562891/5		10/14/2024 19:05	1	HC14X04.D	R-624SiIMS 30m 0.25 (mm)
IC 410-562891/6		10/14/2024 19:26	1	HC14X05.D	R-624SiIMS 30m 0.25 (mm)
IC 410-562891/7		10/14/2024 19:47	1	HC14X06.D	R-624SiIMS 30m 0.25 (mm)
IC 410-562891/8		10/14/2024 20:08	1	HC14X07.D	R-624SiIMS 30m 0.25 (mm)
CCV 410-562891/1008		10/14/2024 20:08	1		R-624SiIMS 30m 0.25 (mm)
IC 410-562891/9		10/14/2024 20:29	1	HC14X08.D	R-624SiIMS 30m 0.25 (mm)
ICV 410-562891/11		10/14/2024 21:11	1		R-624SiIMS 30m 0.25 (mm)
IC 410-562891/13		10/14/2024 21:54	1	HC14X12.D	R-624SiIMS 30m 0.25 (mm)
IC 410-562891/14		10/14/2024 22:15	1	HC14X13.D	R-624SiIMS 30m 0.25 (mm)
IC 410-562891/15		10/14/2024 22:36	1	HC14X14.D	R-624SiIMS 30m 0.25 (mm)
IC 410-562891/16		10/14/2024 22:57	1	HC14X15.D	R-624SiIMS 30m 0.25 (mm)
IC 410-562891/17		10/14/2024 23:18	1	HC14X16.D	R-624SiIMS 30m 0.25 (mm)
ICIS 410-562891/18		10/14/2024 23:39	1	HC14X17.D	R-624SiIMS 30m 0.25 (mm)
CCVIS 410-562891/1018		10/14/2024 23:39	1		R-624SiIMS 30m 0.25 (mm)
IC 410-562891/19		10/15/2024 00:00	1	HC14X18.D	R-624SiIMS 30m 0.25 (mm)
ICV 410-562891/21		10/15/2024 00:42	1	HC14X20.D	R-624SiIMS 30m 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-198585-1

SDG No.:

Instrument ID: 16334

Start Date: 12/03/2024 15:12

Analysis Batch Number: 581544

End Date: 12/03/2024 19:02

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-581544/1		12/03/2024 15:12	1	GD03T01.D	R-624Si1MS 30m 0.25 (mm)
IC 410-581544/13		12/03/2024 16:05	1	GD03X12.D	R-624Si1MS 30m 0.25 (mm)
IC 410-581544/14		12/03/2024 16:27	1	GD03X13.D	R-624Si1MS 30m 0.25 (mm)
IC 410-581544/15		12/03/2024 16:50	1	GD03X14.D	R-624Si1MS 30m 0.25 (mm)
IC 410-581544/16		12/03/2024 17:12	1	GD03X15.D	R-624Si1MS 30m 0.25 (mm)
IC 410-581544/17		12/03/2024 17:34	1	GD03X16.D	R-624Si1MS 30m 0.25 (mm)
ICIS 410-581544/18		12/03/2024 17:56	1	GD03X17.D	R-624Si1MS 30m 0.25 (mm)
IC 410-581544/19		12/03/2024 18:18	1	GD03X18.D	R-624Si1MS 30m 0.25 (mm)
ICV 410-581544/21		12/03/2024 19:02	1	GD03X20.D	R-624Si1MS 30m 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-198585-1

SDG No.:

Instrument ID: 19094

Start Date: 12/04/2024 09:14

Analysis Batch Number: 581872

End Date: 12/04/2024 19:43

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-581872/1		12/04/2024 09:14	1	HD04T01.D	R-624SiIMS 30m 0.25 (mm)
CCVIS 410-581872/3		12/04/2024 09:50	1	HD04X02.D	R-624SiIMS 30m 0.25 (mm)
ZZZZZ (QC)		12/04/2024 10:32	1		R-624SiIMS 30m 0.25 (mm)
MB 410-581872/6		12/04/2024 10:53	1	HD04X05.D	R-624SiIMS 30m 0.25 (mm)
LCS 410-581872/7		12/04/2024 11:14	1	HD04X06.D	R-624SiIMS 30m 0.25 (mm)
ZZZZZ (Client)		12/04/2024 14:06	1		R-624SiIMS 30m 0.25 (mm)
ZZZZZ (QC)		12/04/2024 14:27	1		R-624SiIMS 30m 0.25 (mm)
ZZZZZ (QC)		12/04/2024 14:48	1		R-624SiIMS 30m 0.25 (mm)
ZZZZZ (Client)		12/04/2024 15:30	1		R-624SiIMS 30m 0.25 (mm)
ZZZZZ (QC)		12/04/2024 15:51	1		R-624SiIMS 30m 0.25 (mm)
ZZZZZ (QC)		12/04/2024 16:12	1		R-624SiIMS 30m 0.25 (mm)
410-198585-1	HD-COD-SW-6-0/1-0	12/04/2024 16:54	1	HD04X22.D	R-624SiIMS 30m 0.25 (mm)
410-198585-2	HD-COD-SW-7-0/1-0	12/04/2024 17:15	1	HD04X23.D	R-624SiIMS 30m 0.25 (mm)
410-198585-3	HD-COD-SW-8-0/1-0	12/04/2024 17:36	1	HD04X24.D	R-624SiIMS 30m 0.25 (mm)
410-198585-4	HD-COD-SW-9-0/1-0	12/04/2024 17:57	1	HD04X25.D	R-624SiIMS 30m 0.25 (mm)
410-198585-5	HD-COD-SW-13-0/1-0	12/04/2024 18:18	1	HD04X26.D	R-624SiIMS 30m 0.25 (mm)
CCVC 410-581872/31		12/04/2024 19:43	1		R-624SiIMS 30m 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-198585-1

SDG No.:

Instrument ID: 16334

Start Date: 12/04/2024 11:00

Analysis Batch Number: 581981

End Date: 12/04/2024 21:36

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-581981/1		12/04/2024 11:00	1	GD04T01.D	R-624Si1MS 30m 0.25 (mm)
CCVIS 410-581981/6		12/04/2024 12:45	1	GD04X05.D	R-624Si1MS 30m 0.25 (mm)
LCS 410-581981/8		12/04/2024 13:30	1	GD04X07.D	R-624Si1MS 30m 0.25 (mm)
ZZZZZ (QC)		12/04/2024 13:52	1		R-624Si1MS 30m 0.25 (mm)
MB 410-581981/10		12/04/2024 14:14	1	GD04X09.D	R-624Si1MS 30m 0.25 (mm)
410-198585-14	HD-QC1-0/1-2	12/04/2024 14:36	1	GD04X10.D	R-624Si1MS 30m 0.25 (mm)
410-198585-7	HD-COD-SW-16-0/1-0	12/04/2024 16:05	1	GD04X14.D	R-624Si1MS 30m 0.25 (mm)
410-198585-8	HD-COD-SW-17-0/1-0	12/04/2024 16:27	1	GD04X15.D	R-624Si1MS 30m 0.25 (mm)
410-198585-9	HD-COD-SW-26-0/1-0	12/04/2024 16:49	1	GD04X16.D	R-624Si1MS 30m 0.25 (mm)
410-198585-10	HD-COD-SW-27-0/1-0	12/04/2024 17:11	1	GD04X17.D	R-624Si1MS 30m 0.25 (mm)
410-198585-11	HD-COD-SW-28-0/1-0	12/04/2024 17:33	1	GD04X18.D	R-624Si1MS 30m 0.25 (mm)
410-198585-12	HD-COD-SW-29-0/1-0	12/04/2024 17:55	1	GD04X19.D	R-624Si1MS 30m 0.25 (mm)
410-198585-13	HD-QC1-0/1-1	12/04/2024 18:17	1	GD04X20.D	R-624Si1MS 30m 0.25 (mm)
410-198585-6	HD-COD-SW-15-0/1-0	12/04/2024 18:39	1	GD04X21.D	R-624Si1MS 30m 0.25 (mm)
410-198585-6 MS	HD-COD-SW-15-0/1-0 MS MS	12/04/2024 19:01	1	GD04X22.D	R-624Si1MS 30m 0.25 (mm)
410-198585-6 MSD	HD-COD-SW-15-0/1-0 MSD MSD	12/04/2024 19:23	1	GD04X23.D	R-624Si1MS 30m 0.25 (mm)
ZZZZZ (Client)		12/04/2024 19:45	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ (Client)		12/04/2024 20:08	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ (Client)		12/04/2024 20:30	10		R-624Si1MS 30m 0.25 (mm)
ZZZZZ (Client)		12/04/2024 20:52	5		R-624Si1MS 30m 0.25 (mm)
ZZZZZ (Client)		12/04/2024 21:14	50		R-624Si1MS 30m 0.25 (mm)
ZZZZZ (Client)		12/04/2024 21:36	50		R-624Si1MS 30m 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-198585-1

SDG No.:

Instrument ID: 19094

Start Date: 12/10/2024 09:28

Analysis Batch Number: 584018

End Date: 12/10/2024 18:30

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-584018/1		12/10/2024 09:28	1	HD10T01.D	R-624Si1MS 30m 0.25 (mm)
CCVIS 410-584018/3		12/10/2024 10:03	1	HD10X02.D	R-624Si1MS 30m 0.25 (mm)
LCS 410-584018/4		12/10/2024 10:24	1	HD10X03.D	R-624Si1MS 30m 0.25 (mm)
LCSD 410-584018/5		12/10/2024 10:45	1	HD10X04.D	R-624Si1MS 30m 0.25 (mm)
ZZZZZ (QC)		12/10/2024 11:06	1		R-624Si1MS 30m 0.25 (mm)
MB 410-584018/7		12/10/2024 11:26	1	HD10X06.D	R-624Si1MS 30m 0.25 (mm)
ZZZZZ (Client)		12/10/2024 12:14	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ (Client)		12/10/2024 12:35	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ (Client)		12/10/2024 12:56	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ (Client)		12/10/2024 13:17	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ (Client)		12/10/2024 13:38	1		R-624Si1MS 30m 0.25 (mm)
410-198585-8 DL	HD-COD-SW-17-0/1-0 DL	12/10/2024 13:59	10	HD10X13.D	R-624Si1MS 30m 0.25 (mm)
410-198585-13 DL	HD-QC1-0/1-1 DL	12/10/2024 14:20	10	HD10X14.D	R-624Si1MS 30m 0.25 (mm)
ZZZZZ (Client)		12/10/2024 14:41	10		R-624Si1MS 30m 0.25 (mm)
ZZZZZ (Client)		12/10/2024 15:01	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ (Client)		12/10/2024 15:23	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ (Client)		12/10/2024 15:44	10		R-624Si1MS 30m 0.25 (mm)
ZZZZZ (Client)		12/10/2024 16:05	5		R-624Si1MS 30m 0.25 (mm)
ZZZZZ (Client)		12/10/2024 16:26	50		R-624Si1MS 30m 0.25 (mm)
ZZZZZ (Client)		12/10/2024 16:46	10		R-624Si1MS 30m 0.25 (mm)
ZZZZZ (Client)		12/10/2024 17:07	100		R-624Si1MS 30m 0.25 (mm)
ZZZZZ (Client)		12/10/2024 17:28	20		R-624Si1MS 30m 0.25 (mm)
ZZZZZ (Client)		12/10/2024 17:49	200		R-624Si1MS 30m 0.25 (mm)
ZZZZZ (Client)		12/10/2024 18:09	200		R-624Si1MS 30m 0.25 (mm)
ZZZZZ (Client)		12/10/2024 18:30	2000		R-624Si1MS 30m 0.25 (mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-198585-1

SDG No.: _____

Batch Number: 562891 Batch Start Date: 10/14/24 17:46 Batch Analyst: Kephart, KaylaBatch 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 00009	MSV_CCV_V5ACE 00041
BFB 410-562891/1		8260D			1 uL	1 uL				
IC 410-562891/3		8260D			25 mL	25 mL	2768		1.6 uL	0.2 uL
IC 410-562891/4		8260D			25 mL	25 mL	2768		4 uL	0.5 uL
IC 410-562891/5		8260D			25 mL	25 mL	2768		8 uL	1 uL
IC 410-562891/6		8260D			25 mL	25 mL	2768		8 uL	1 uL
IC 410-562891/7		8260D			25 mL	25 mL	2768		8 uL	1 uL
IC 410-562891/8		8260D			25 mL	25 mL	2768		8 uL	1 uL
IC 410-562891/9		8260D			25 mL	25 mL	2768		20 uL	2.5 uL
IC 410-562891/13		8260D			25 mL	25 mL	2768			
IC 410-562891/14		8260D			25 mL	25 mL	2768			
IC 410-562891/15		8260D			25 mL	25 mL	2768			
IC 410-562891/16		8260D			25 mL	25 mL	2768			
IC 410-562891/17		8260D			25 mL	25 mL	2768			
ICIS 410-562891/18		8260D			25 mL	25 mL	2768			
IC 410-562891/19		8260D			25 mL	25 mL	2768			
ICV 410-562891/21		8260D			25 mL	25 mL	2768	12.5 uL		

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_DME 00061	MSV_LCS_ACROL 00193	MSV_LCS_EE 00009	MSV_LCS_Penta 00047	MSV_LCS_VOC#1 00189	MSV_LL #1_826 00150
BFB 410-562891/1		8260D								
IC 410-562891/3		8260D			0.2 uL					
IC 410-562891/4		8260D			0.5 uL					
IC 410-562891/5		8260D			1 uL					
IC 410-562891/6		8260D			1 uL					
IC 410-562891/7		8260D			1 uL					
IC 410-562891/8		8260D			1 uL					

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-198585-1

SDG No.: _____

Batch Number: 562891 Batch Start Date: 10/14/24 17:46 Batch Analyst: Kephart, KaylaBatch Method: 8260D Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_DME_00061	MSV_LCS_ACROL_00193	MSV_LCS_EE_00009	MSV_LCS_Penta_00047	MSV_LCS_VOC#1_00189	MSV_LL_#1_826_00150
IC 410-562891/9		8260D			2.5 uL					
IC 410-562891/13		8260D								2 uL
IC 410-562891/14		8260D								2 uL
IC 410-562891/15		8260D								2 uL
IC 410-562891/16		8260D								2 uL
IC 410-562891/17		8260D								5 uL
ICIS 410-562891/18		8260D								10 uL
IC 410-562891/19		8260D								25 uL
ICV 410-562891/21		8260D				12.5 uL	12.5 uL	12.5 uL	12.5 uL	

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LL_#2_826_00157	MSV_LL_GAS826_00238	MSV_LLcentISO_00009	MSV_LLcentISS_00014	MSV_QC_Gas826_00226	MSV_V_BFB_00017
BFB 410-562891/1		8260D								1 uL
IC 410-562891/3		8260D					5 uL			
IC 410-562891/4		8260D					5 uL			
IC 410-562891/5		8260D					5 uL			
IC 410-562891/6		8260D					5 uL			
IC 410-562891/7		8260D					5 uL			
IC 410-562891/8		8260D					5 uL			
IC 410-562891/9		8260D					5 uL			
IC 410-562891/13		8260D			2 uL	2 uL		5 uL		
IC 410-562891/14		8260D			2 uL	2 uL		5 uL		
IC 410-562891/15		8260D			2 uL	2 uL		5 uL		
IC 410-562891/16		8260D			2 uL	2 uL		5 uL		

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

8260D

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GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-198585-1

SDG No.: _____

Batch Number: 562891 Batch Start Date: 10/14/24 17:46 Batch Analyst: Kephart, KaylaBatch Method: 8260D Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LL_#2_826 00157	MSV_LL_GAS826 00238	MSV_LLcentISO 00009	MSV_LLcentISS 00014	MSV_QC_Gas826 00226	MSV_V_BFB 00017
IC 410-562891/17		8260D			5 uL	5 uL		5 uL		
ICIS 410-562891/18		8260D			10 uL	10 uL		5 uL		
IC 410-562891/19		8260D			25 uL	25 uL		5 uL		
ICV 410-562891/21		8260D						5 uL	12.5 uL	

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_V_SMRV4 00078					
BFB 410-562891/1		8260D								
IC 410-562891/3		8260D			1 uL					
IC 410-562891/4		8260D			2.5 uL					
IC 410-562891/5		8260D			5 uL					
IC 410-562891/6		8260D			5 uL					
IC 410-562891/7		8260D			5 uL					
IC 410-562891/8		8260D			5 uL					
IC 410-562891/9		8260D			12.5 uL					
IC 410-562891/13		8260D								
IC 410-562891/14		8260D								
IC 410-562891/15		8260D								
IC 410-562891/16		8260D								
IC 410-562891/17		8260D								
ICIS 410-562891/18		8260D								
IC 410-562891/19		8260D								
ICV 410-562891/21		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.: 410-198585-1

SDG No.: _____

Batch Number: 562891 Batch Start Date: 10/14/24 17:46 Batch Analyst: Kephart, KaylaBatch 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.: 410-198585-1

SDG No.: _____

Batch Number: 581544 Batch Start Date: 12/03/24 15:12 Batch Analyst: Kephart, KaylaBatch Method: 8260D Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	Lot#Vial	LCS_ETBR 00009	MSV_29_826ISS 00057	MSV_LCS_ACROL 00201
BFB 410-581544/1		8260D			1 uL	1 uL				
IC 410-581544/13		8260D			25 mL	25 mL	2774		1.199 uL	
IC 410-581544/14		8260D			25 mL	25 mL	2774		1.199 uL	
IC 410-581544/15		8260D			25 mL	25 mL	2774		1.199 uL	
IC 410-581544/16		8260D			25 mL	25 mL	2774		1.199 uL	
IC 410-581544/17		8260D			25 mL	25 mL	2774		1.199 uL	
ICIS 410-581544/18		8260D			25 mL	25 mL	2774		1.199 uL	
IC 410-581544/19		8260D			25 mL	25 mL	2774		1.199 uL	
ICV 410-581544/21		8260D			25 mL	25 mL	2774	12.5 uL	1.199 uL	12.5 uL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LCS_EE 00010	MSV_LCS_Penta 00048	MSV_LCS_VOC#1 00197	MSV_LL_#1_826 00155	MSV_LL_#2_826 00163	MSV_LL_GAS826 00247
BFB 410-581544/1		8260D								
IC 410-581544/13		8260D						2 uL	2 uL	2 uL
IC 410-581544/14		8260D						2 uL	2 uL	2 uL
IC 410-581544/15		8260D						2 uL	2 uL	2 uL
IC 410-581544/16		8260D						2 uL	2 uL	2 uL
IC 410-581544/17		8260D						5 uL	5 uL	5 uL
ICIS 410-581544/18		8260D						10 uL	10 uL	10 uL
IC 410-581544/19		8260D						25 uL	25 uL	25 uL
ICV 410-581544/21		8260D			12.5 uL	12.5 uL	12.5 uL			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-198585-1

SDG No.: _____

Batch Number: 581544 Batch Start Date: 12/03/24 15:12 Batch Analyst: Kephart, KaylaBatch Method: 8260D Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_QC_Gas826 00234	MSV_V_BFB 00018				
BFB 410-581544/1		8260D				1 uL				
IC 410-581544/13		8260D								
IC 410-581544/14		8260D								
IC 410-581544/15		8260D								
IC 410-581544/16		8260D								
IC 410-581544/17		8260D								
ICIS 410-581544/18		8260D								
IC 410-581544/19		8260D								
ICV 410-581544/21		8260D			12.5 uL					

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-198585-1

SDG No.: _____

Batch Number: 581872 Batch Start Date: 12/04/24 09:14 Batch Analyst: Ressler, EricBatch 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 410-581872/1		8260D			1 uL	1 uL				
CCVIS 410-581872/3		8260D			25 mL	25 mL				2774
MB 410-581872/6		8260D			25 mL	25 mL				2774
LCS 410-581872/7		8260D			25 mL	25 mL				2774
410-198585-A-1	HD-COD-SW-6-0/1 -0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-198585-A-2	HD-COD-SW-7-0/1 -0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-198585-A-3	HD-COD-SW-8-0/1 -0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-198585-A-4	HD-COD-SW-9-0/1 -0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-198585-A-5	HD-COD-SW-13-0/ 1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LCS_VOC#1 00197	MSV_LL_#1_826 00154	MSV_LL_#2_826 00162	MSV_LL_GAS826 00247	MSV_LLcentISS 00013	MSV_QC_Gas826 00234
BFB 410-581872/1		8260D								
CCVIS 410-581872/3		8260D				25 uL	25 uL	25 uL	5 uL	
MB 410-581872/6		8260D							5 uL	
LCS 410-581872/7		8260D			12.5 uL				5 uL	12.5 uL
410-198585-A-1	HD-COD-SW-6-0/1 -0	8260D	Water	T					5 uL	
410-198585-A-2	HD-COD-SW-7-0/1 -0	8260D	Water	T					5 uL	
410-198585-A-3	HD-COD-SW-8-0/1 -0	8260D	Water	T					5 uL	
410-198585-A-4	HD-COD-SW-9-0/1 -0	8260D	Water	T					5 uL	
410-198585-A-5	HD-COD-SW-13-0/ 1-0	8260D	Water	T					5 uL	

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_V_BFB 00018					

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.: 410-198585-1

SDG No.: _____

Batch Number: 581872 Batch Start Date: 12/04/24 09:14 Batch Analyst: Ressler, EricBatch Method: 8260D Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_V_BFB 000I8					
BFB 410-581872/1		8260D			1 uL					
CCVIS 410-581872/3		8260D								
MB 410-581872/6		8260D								
LCS 410-581872/7		8260D								
410-198585-A-1	HD-COD-SW-6-0/1 -0	8260D	Water	T						
410-198585-A-2	HD-COD-SW-7-0/1 -0	8260D	Water	T						
410-198585-A-3	HD-COD-SW-8-0/1 -0	8260D	Water	T						
410-198585-A-4	HD-COD-SW-9-0/1 -0	8260D	Water	T						
410-198585-A-5	HD-COD-SW-13-0/ 1-0	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.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-198585-1

SDG No.: _____

Batch Number: 581981 Batch Start Date: 12/04/24 11:00 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 410-581981/1		8260D			1 uL	1 uL				
CCVIS 410-581981/6		8260D			25 mL	25 mL				2774
LCS 410-581981/8		8260D			25 mL	25 mL				2774
MB 410-581981/10		8260D			25 mL	25 mL				2774
410-198585-A-14	HD-QC1-0/1-2	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-198585-A-7	HD-COD-SW-16-0/ 1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-198585-A-8	HD-COD-SW-17-0/ 1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-198585-A-9	HD-COD-SW-26-0/ 1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-198585-A-10	HD-COD-SW-27-0/ 1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-198585-A-11	HD-COD-SW-28-0/ 1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-198585-A-12	HD-COD-SW-29-0/ 1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-198585-A-13	HD-QC1-0/1-1	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-198585-A-6	HD-COD-SW-15-0/ 1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-198585-A-6 MS	HD-COD-SW-15-0/ 1-0 MS	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-198585-A-6 MSD	HD-COD-SW-15-0/ 1-0 MSD	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_29_826ISS 00057	MSV_LCS_VOC#1 00197	MSV_LL_#1_826 00154	MSV_LL_#2_826 00163	MSV_LL_GAS826 00247	MSV_QC_Gas826 00234
BFB 410-581981/1		8260D								
CCVIS 410-581981/6		8260D			1.199 uL		25 uL	25 uL	25 uL	
LCS 410-581981/8		8260D			1.199 uL	12.5 uL				12.5 uL
MB 410-581981/10		8260D			1.199 uL					
410-198585-A-14	HD-QC1-0/1-2	8260D	Water	T	1.199 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.: 410-198585-1

SDG No.: _____

Batch Number: 581981 Batch Start Date: 12/04/24 11:00 Batch Analyst: Kephart, KaylaBatch Method: 8260D Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_29_826ISS 00057	MSV_LCS_VOC#1 00197	MSV_LL_#1_826 00154	MSV_LL_#2_826 00163	MSV_LL_GAS826 00247	MSV_QC_Gas826 00234
410-198585-A-7	HD-COD-SW-16-0/ 1-0	8260D	Water	T	1.199 uL					
410-198585-A-8	HD-COD-SW-17-0/ 1-0	8260D	Water	T	1.199 uL					
410-198585-A-9	HD-COD-SW-26-0/ 1-0	8260D	Water	T	1.199 uL					
410-198585-A-10	HD-COD-SW-27-0/ 1-0	8260D	Water	T	1.199 uL					
410-198585-A-11	HD-COD-SW-28-0/ 1-0	8260D	Water	T	1.199 uL					
410-198585-A-12	HD-COD-SW-29-0/ 1-0	8260D	Water	T	1.199 uL					
410-198585-A-13	HD-QC1-0/1-1	8260D	Water	T	1.199 uL					
410-198585-A-6	HD-COD-SW-15-0/ 1-0	8260D	Water	T	1.199 uL					
410-198585-A-6 MS	HD-COD-SW-15-0/ 1-0 MS	8260D	Water	T	1.199 uL	5.38 uL				5.38 uL
410-198585-A-6 MSD	HD-COD-SW-15-0/ 1-0 MSD	8260D	Water	T	1.199 uL	5.38 uL				5.38 uL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_V_BFB 00018					
BFB 410-581981/1		8260D			1 uL					
CCVIS 410-581981/6		8260D								
LCS 410-581981/8		8260D								
MB 410-581981/10		8260D								
410-198585-A-14	HD-QC1-0/1-2	8260D	Water	T						
410-198585-A-7	HD-COD-SW-16-0/ 1-0	8260D	Water	T						
410-198585-A-8	HD-COD-SW-17-0/ 1-0	8260D	Water	T						
410-198585-A-9	HD-COD-SW-26-0/ 1-0	8260D	Water	T						
410-198585-A-10	HD-COD-SW-27-0/ 1-0	8260D	Water	T						
410-198585-A-11	HD-COD-SW-28-0/ 1-0	8260D	Water	T						

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

8260D

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GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-198585-1

SDG No.: _____

Batch Number: 581981 Batch Start Date: 12/04/24 11:00 Batch Analyst: Kephart, KaylaBatch Method: 8260D Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_V_BFB 00018					
410-198585-A-12	HD-COD-SW-29-0/ 1-0	8260D	Water	T						
410-198585-A-13	HD-QC1-0/1-1	8260D	Water	T						
410-198585-A-6	HD-COD-SW-15-0/ 1-0	8260D	Water	T						
410-198585-A-6 MS	HD-COD-SW-15-0/ 1-0 MS	8260D	Water	T						
410-198585-A-6 MSD	HD-COD-SW-15-0/ 1-0 MSD	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.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-198585-1

SDG No.: _____

Batch Number: 584018 Batch Start Date: 12/10/24 09:28 Batch Analyst: Ressler, EricBatch 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 410-584018/1		8260D			1 uL	1 uL				
CCVIS 410-584018/3		8260D			25 mL	25 mL				2774
LCS 410-584018/4		8260D			25 mL	25 mL				2774
LCSD 410-584018/5		8260D			25 mL	25 mL				2774
MB 410-584018/7		8260D			25 mL	25 mL				2774
410-198585-B-8	HD-COD-SW-17-0/ 1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	2774
410-198585-B-13	HD-QC1-0/1-1	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	2774

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	LCS_ETBR 00009	MSV_LCS_VOC#1 00198	MSV_LL_#1_826 00154	MSV_LL_#2_826 00164	MSV_LL_GAS826 00248	MSV_LLcentISS 00013
BFB 410-584018/1		8260D								
CCVIS 410-584018/3		8260D					25 uL	25 uL	25 uL	5 uL
LCS 410-584018/4		8260D			12.5 uL	12.5 uL				5 uL
LCSD 410-584018/5		8260D			12.5 uL	12.5 uL				5 uL
MB 410-584018/7		8260D								5 uL
410-198585-B-8	HD-COD-SW-17-0/ 1-0	8260D	Water	T						5 uL
410-198585-B-13	HD-QC1-0/1-1	8260D	Water	T						5 uL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_QC_Gas826 00236	MSV_V_BFB 00018				
BFB 410-584018/1		8260D				1 uL				
CCVIS 410-584018/3		8260D								
LCS 410-584018/4		8260D			12.5 uL					
LCSD 410-584018/5		8260D			12.5 uL					
MB 410-584018/7		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.: 410-198585-1

SDG No.: _____

Batch Number: 584018 Batch Start Date: 12/10/24 09:28 Batch Analyst: Ressler, EricBatch Method: 8260D Batch End Date: _____

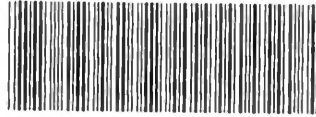
Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_QC_Gas826 00236	MSV_V_BFB 00018				
410-198585-B-8	HD-COD-SW-17-0/ 1-0	8260D	Water	T						
410-198585-B-13	HD-QC1-0/1-1	8260D	Water	T						

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Shipping and Receiving Documents



Sample #

Client: Groundwater Sciences Corporation						Matrix			Analyses Requested								For Lab Use Only					
Project Name/#:			fYNOP Monthly Surface Water			Site ID #:			fYNOP, York PA			Preservation Codes								SF #:		
Project Manager:			Chris O'Neil			P.O. #:			10012.52											SCR #:		
Sampler:			Casey Littlefield / Lucas Grimm			PWSID #:			N/A											Preservation Codes		
Phone #:			(717) 901-8176 / (717) 756-1246			Quote #:														H = HCl T = Thiosulfate N = HNO ₃ B = NaOH S = H ₂ SO ₄ P = H ₃ PO ₄ O = Other		
State where samples were collected:			York, PA			For Compliance:			Yes ☐ No ☒											Remarks		
Sample Identification			Collection		Grab	Composite	Soil ☐ Sediment ☐ Tissue ☐	Potable ☐ Ground ☐	Water ☐ NPDES ☐ Surface ☒	Other:	Total # of Containers	Aqueous VOCs via 8260D (low level - 25 ml purge)										
			Date	Time																		
HD-COD-SW-6-0/1-0			4/25/24	1035	X				X		3	X							SAMPLES ON ICE			
HD-COD-SW-7-0/1-0				1115	X				X		3	X										
HD-COD-SW-8-0/1-0				0927	X				X		3	X										
HD-COD-SW-9-0/1-0				1229	X				X		3	X										
HD-COD-SW-13-0/1-0				0940	X				X		3	X										
HD-COD-SW-15-0/1-0				1137	X				X		3	X										
HD-COD-SW-15-0/1-0 MS				1137	X				X		3	X										
HD-COD-SW-15-0/1-0 MSD				1137	X				X		3	X										
HD-COD-SW-16-0/1-0				1000	X				X		3	X										
HD-COD-SW-17-0/1-0				1015	X				X		3	X										
Turnaround Time Requested (TAT) (please check):						Standard ☒ Rush ☐		Relinquished by:		Date		Time		Received by:		Date		Time				
(Rush TAT is subject to laboratory approval and surcharges.)								Cy [Signature]		11/27/24		1140		[Signature]		11/27/24		1140				
Date results are needed:								Relinquished by:		Date		Time		Received by:		Date		Time				
Rush results requested by (please check):						E-Mail ☒ Phone ☐		[Signature]		11/27/24		1245		[Signature]								
E-mail Address: ON-FICZ								Relinquished by:		Date		Time		Received by:		Date		Time				
Phone: " "								[Signature]														
Data Package Options (please check if required)								Relinquished by:		Date		Time		Received by:		Date		Time				
Type I (Validation/non-CLP) ☐ MA MCP ☐								[Signature]						[Signature]								
Type III (Reduced non-CLP) ☐ CT RCP ☐								[Signature]						[Signature]								
Type VI (Raw Data Only) ☐ TX TRRP-13 ☐								[Signature]						[Signature]								
NJ DKQP ☐ NYSDEC Category ☐ A or ☐ B								[Signature]						[Signature]								
EDD Required? Yes ☒ No ☐						If yes, format:		CLP Like Deliverables, Project Specific Analyte List		UPS _____ FedEx _____ Other ☒		Temperature upon receipt _____ °C		12.7 - 12.8								

Acct. #	Group #	Sample #

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Eurofins Lancaster Laboratories Environmental, LLC • 2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300

7045 0216

12/13/2024

Login Sample Receipt Checklist

Client: Groundwater Sciences Corporation

Job Number: 410-198585-1

Login Number: 198585

List Number: 1

Creator: Ballard, Megan

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

Question	Answer	Comment
The cooler's custody seal is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable,where thermal pres is required(<=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (<=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	True	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	True	