



ANALYTICAL REPORT

PREPARED FOR

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Generated 12/31/2024

JOB DESCRIPTION

fYNOP Monthly Surface Water

JOB NUMBER

410-201498-1

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
12/31/2024

Authorized for release by
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Definitions/Glossary

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

Job ID: 410-201498-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
FH	MS and/or MSD recovery above control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

**Job Narrative
410-201498-1**

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 12/19/2024 2:25 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.4°C.

GC/MS VOA

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: 410-201498-1

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

Lab Sample ID: 410-201498-1

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

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

Lab Sample ID: 410-201498-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	1.9	J	5.0	1.5	ug/L	1		8260D	Total/NA
Chloroform	0.14	J	0.50	0.090	ug/L	1		8260D	Total/NA
Chloromethane	0.11	J	0.50	0.10	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.17	J	0.50	0.080	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-8-0/1-0

Lab Sample ID: 410-201498-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.098	J	0.50	0.090	ug/L	1		8260D	Total/NA
Chloromethane	0.13	J	0.50	0.10	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.18	J	0.50	0.080	ug/L	1		8260D	Total/NA
Tetrachloroethene	1.4		0.50	0.20	ug/L	1		8260D	Total/NA
Trichloroethene	0.32	J	0.50	0.080	ug/L	1		8260D	Total/NA

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

Lab Sample ID: 410-201498-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	2.4	J	5.0	1.5	ug/L	1		8260D	Total/NA
Chloroform	0.17	J	0.50	0.090	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.13	J	0.50	0.080	ug/L	1		8260D	Total/NA
Tetrachloroethene	0.31	J	0.50	0.20	ug/L	1		8260D	Total/NA
Trichloroethene	0.20	J	0.50	0.080	ug/L	1		8260D	Total/NA

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

Lab Sample ID: 410-201498-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	1.8	J	5.0	1.5	ug/L	1		8260D	Total/NA
Chloroform	0.10	J	0.50	0.090	ug/L	1		8260D	Total/NA
Chloromethane	0.17	J	0.50	0.10	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.16	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	0.33	J	0.50	0.080	ug/L	1		8260D	Total/NA

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

Lab Sample ID: 410-201498-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	0.45	J	0.50	0.080	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	0.15	J FH	0.50	0.10	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	0.22	J	0.50	0.10	ug/L	1		8260D	Total/NA
Chloroform	0.19	J FH	0.50	0.090	ug/L	1		8260D	Total/NA
Chloromethane	0.20	J	0.50	0.10	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	2.0		0.50	0.080	ug/L	1		8260D	Total/NA
Tetrachloroethene	6.8		0.50	0.20	ug/L	1		8260D	Total/NA
Trichloroethene	1.6		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: 410-201498-1

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

Lab Sample ID: 410-201498-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	2.1	J	5.0	1.5	ug/L	1		8260D	Total/NA
Chloroform	0.10	J	0.50	0.090	ug/L	1		8260D	Total/NA
Chloromethane	0.20	J	0.50	0.10	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.18	J	0.50	0.080	ug/L	1		8260D	Total/NA
Tetrachloroethene	1.1		0.50	0.20	ug/L	1		8260D	Total/NA
Trichloroethene	0.35	J	0.50	0.080	ug/L	1		8260D	Total/NA

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

Lab Sample ID: 410-201498-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	15		0.50	0.080	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	2.6		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	3.8		0.50	0.080	ug/L	1		8260D	Total/NA
Trichloroethene	7.2		0.50	0.080	ug/L	1		8260D	Total/NA
Tetrachloroethene - DL	200		5.0	2.0	ug/L	10		8260D	Total/NA

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

Lab Sample ID: 410-201498-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	0.13	J	0.50	0.10	ug/L	1		8260D	Total/NA
Chloroform	0.82		0.50	0.090	ug/L	1		8260D	Total/NA
Tetrachloroethene	3.8		0.50	0.20	ug/L	1		8260D	Total/NA
Trichloroethene	0.17	J	0.50	0.080	ug/L	1		8260D	Total/NA

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

Lab Sample ID: 410-201498-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	2.8	J	5.0	1.5	ug/L	1		8260D	Total/NA
Chloroform	0.24	J	0.50	0.090	ug/L	1		8260D	Total/NA
Chloromethane	0.15	J	0.50	0.10	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.13	J	0.50	0.080	ug/L	1		8260D	Total/NA
Trichloroethene	0.27	J	0.50	0.080	ug/L	1		8260D	Total/NA

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

Lab Sample ID: 410-201498-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	2.3	J	5.0	1.5	ug/L	1		8260D	Total/NA
Chloroform	0.16	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	0.32	J	0.50	0.20	ug/L	1		8260D	Total/NA
Trichloroethene	0.23	J	0.50	0.080	ug/L	1		8260D	Total/NA

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

Lab Sample ID: 410-201498-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	1.7	J	5.0	1.5	ug/L	1		8260D	Total/NA
Chloroform	0.094	J	0.50	0.090	ug/L	1		8260D	Total/NA
Chloromethane	0.15	J	0.50	0.10	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.15	J	0.50	0.080	ug/L	1		8260D	Total/NA
Tetrachloroethene	0.81		0.50	0.20	ug/L	1		8260D	Total/NA
Trichloroethene	0.27	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: 410-201498-1

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

Lab Sample ID: 410-201498-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	16		0.50	0.080	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	2.7		0.50	0.10	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	1.2		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	4.1		0.50	0.080	ug/L	1		8260D	Total/NA
Trichloroethene	7.6		0.50	0.080	ug/L	1		8260D	Total/NA
Tetrachloroethene - DL	200		5.0	2.0	ug/L	10		8260D	Total/NA

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

Lab Sample ID: 410-201498-14

No Detections.

This Detection Summary does not include radiochemical test results.

Eurolins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

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

Job ID: 410-201498-1

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

Lab Sample ID: 410-201498-1

Date Collected: 12/18/24 10:00

Matrix: Water

Date Received: 12/19/24 14:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			12/26/24 13:09	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			12/26/24 13:09	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			12/26/24 13:09	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			12/26/24 13:09	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			12/26/24 13:09	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			12/26/24 13:09	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			12/26/24 13:09	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			12/26/24 13:09	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			12/26/24 13:09	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			12/26/24 13:09	1
2-Hexanone	ND		5.0	2.0	ug/L			12/26/24 13:09	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			12/26/24 13:09	1
Acetone	ND		5.0	1.5	ug/L			12/26/24 13:09	1
Benzene	ND		0.50	0.10	ug/L			12/26/24 13:09	1
Bromochloromethane	ND		0.50	0.080	ug/L			12/26/24 13:09	1
Bromodichloromethane	ND		0.50	0.080	ug/L			12/26/24 13:09	1
Bromoform	ND		1.0	0.30	ug/L			12/26/24 13:09	1
Bromomethane	ND		0.50	0.10	ug/L			12/26/24 13:09	1
Carbon disulfide	ND		1.0	0.10	ug/L			12/26/24 13:09	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			12/26/24 13:09	1
Chlorobenzene	ND		0.50	0.070	ug/L			12/26/24 13:09	1
Chloroethane	ND		0.50	0.10	ug/L			12/26/24 13:09	1
Chloroform	ND		0.50	0.090	ug/L			12/26/24 13:09	1
Chloromethane	ND		0.50	0.10	ug/L			12/26/24 13:09	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			12/26/24 13:09	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			12/26/24 13:09	1
Dibromochloromethane	ND		0.50	0.080	ug/L			12/26/24 13:09	1
Ethylbenzene	ND		0.50	0.080	ug/L			12/26/24 13:09	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			12/26/24 13:09	1
Methylene Chloride	ND		0.50	0.20	ug/L			12/26/24 13:09	1
Styrene	ND		0.50	0.070	ug/L			12/26/24 13:09	1
Tetrachloroethene	ND		0.50	0.20	ug/L			12/26/24 13:09	1
Toluene	ND		0.50	0.080	ug/L			12/26/24 13:09	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			12/26/24 13:09	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			12/26/24 13:09	1
Trichloroethene	0.15	J	0.50	0.080	ug/L			12/26/24 13:09	1
Vinyl chloride	ND		0.50	0.10	ug/L			12/26/24 13:09	1
Xylenes, Total	ND		1.0	0.070	ug/L			12/26/24 13:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		80 - 120		12/26/24 13:09	1
4-Bromofluorobenzene (Surr)	90		80 - 120		12/26/24 13:09	1
Dibromofluoromethane (Surr)	104		80 - 120		12/26/24 13:09	1
Toluene-d8 (Surr)	96		80 - 120		12/26/24 13:09	1

Client Sample Results

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

Job ID: 410-201498-1

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

Lab Sample ID: 410-201498-2

Date Collected: 12/18/24 11:15

Matrix: Water

Date Received: 12/19/24 14:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			12/26/24 13:31	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			12/26/24 13:31	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			12/26/24 13:31	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			12/26/24 13:31	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			12/26/24 13:31	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			12/26/24 13:31	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			12/26/24 13:31	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			12/26/24 13:31	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			12/26/24 13:31	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			12/26/24 13:31	1
2-Hexanone	ND		5.0	2.0	ug/L			12/26/24 13:31	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			12/26/24 13:31	1
Acetone	1.9	J	5.0	1.5	ug/L			12/26/24 13:31	1
Benzene	ND		0.50	0.10	ug/L			12/26/24 13:31	1
Bromochloromethane	ND		0.50	0.080	ug/L			12/26/24 13:31	1
Bromodichloromethane	ND		0.50	0.080	ug/L			12/26/24 13:31	1
Bromoform	ND		1.0	0.30	ug/L			12/26/24 13:31	1
Bromomethane	ND		0.50	0.10	ug/L			12/26/24 13:31	1
Carbon disulfide	ND		1.0	0.10	ug/L			12/26/24 13:31	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			12/26/24 13:31	1
Chlorobenzene	ND		0.50	0.070	ug/L			12/26/24 13:31	1
Chloroethane	ND		0.50	0.10	ug/L			12/26/24 13:31	1
Chloroform	0.14	J	0.50	0.090	ug/L			12/26/24 13:31	1
Chloromethane	0.11	J	0.50	0.10	ug/L			12/26/24 13:31	1
cis-1,2-Dichloroethene	0.17	J	0.50	0.080	ug/L			12/26/24 13:31	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			12/26/24 13:31	1
Dibromochloromethane	ND		0.50	0.080	ug/L			12/26/24 13:31	1
Ethylbenzene	ND		0.50	0.080	ug/L			12/26/24 13:31	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			12/26/24 13:31	1
Methylene Chloride	ND		0.50	0.20	ug/L			12/26/24 13:31	1
Styrene	ND		0.50	0.070	ug/L			12/26/24 13:31	1
Tetrachloroethene	ND		0.50	0.20	ug/L			12/26/24 13:31	1
Toluene	ND		0.50	0.080	ug/L			12/26/24 13:31	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			12/26/24 13:31	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			12/26/24 13:31	1
Trichloroethene	0.37	J	0.50	0.080	ug/L			12/26/24 13:31	1
Vinyl chloride	ND		0.50	0.10	ug/L			12/26/24 13:31	1
Xylenes, Total	ND		1.0	0.070	ug/L			12/26/24 13:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		80 - 120		12/26/24 13:31	1
4-Bromofluorobenzene (Surr)	91		80 - 120		12/26/24 13:31	1
Dibromofluoromethane (Surr)	105		80 - 120		12/26/24 13:31	1
Toluene-d8 (Surr)	98		80 - 120		12/26/24 13:31	1

Client Sample Results

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

Job ID: 410-201498-1

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

Lab Sample ID: 410-201498-3

Date Collected: 12/18/24 08:50

Matrix: Water

Date Received: 12/19/24 14:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			12/26/24 13:53	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			12/26/24 13:53	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			12/26/24 13:53	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			12/26/24 13:53	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			12/26/24 13:53	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			12/26/24 13:53	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			12/26/24 13:53	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			12/26/24 13:53	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			12/26/24 13:53	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			12/26/24 13:53	1
2-Hexanone	ND		5.0	2.0	ug/L			12/26/24 13:53	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			12/26/24 13:53	1
Acetone	ND		5.0	1.5	ug/L			12/26/24 13:53	1
Benzene	ND		0.50	0.10	ug/L			12/26/24 13:53	1
Bromochloromethane	ND		0.50	0.080	ug/L			12/26/24 13:53	1
Bromodichloromethane	ND		0.50	0.080	ug/L			12/26/24 13:53	1
Bromoform	ND		1.0	0.30	ug/L			12/26/24 13:53	1
Bromomethane	ND		0.50	0.10	ug/L			12/26/24 13:53	1
Carbon disulfide	ND		1.0	0.10	ug/L			12/26/24 13:53	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			12/26/24 13:53	1
Chlorobenzene	ND		0.50	0.070	ug/L			12/26/24 13:53	1
Chloroethane	ND		0.50	0.10	ug/L			12/26/24 13:53	1
Chloroform	0.098	J	0.50	0.090	ug/L			12/26/24 13:53	1
Chloromethane	0.13	J	0.50	0.10	ug/L			12/26/24 13:53	1
cis-1,2-Dichloroethene	0.18	J	0.50	0.080	ug/L			12/26/24 13:53	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			12/26/24 13:53	1
Dibromochloromethane	ND		0.50	0.080	ug/L			12/26/24 13:53	1
Ethylbenzene	ND		0.50	0.080	ug/L			12/26/24 13:53	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			12/26/24 13:53	1
Methylene Chloride	ND		0.50	0.20	ug/L			12/26/24 13:53	1
Styrene	ND		0.50	0.070	ug/L			12/26/24 13:53	1
Tetrachloroethene	1.4		0.50	0.20	ug/L			12/26/24 13:53	1
Toluene	ND		0.50	0.080	ug/L			12/26/24 13:53	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			12/26/24 13:53	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			12/26/24 13:53	1
Trichloroethene	0.32	J	0.50	0.080	ug/L			12/26/24 13:53	1
Vinyl chloride	ND		0.50	0.10	ug/L			12/26/24 13:53	1
Xylenes, Total	ND		1.0	0.070	ug/L			12/26/24 13:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		80 - 120		12/26/24 13:53	1
4-Bromofluorobenzene (Surr)	91		80 - 120		12/26/24 13:53	1
Dibromofluoromethane (Surr)	104		80 - 120		12/26/24 13:53	1
Toluene-d8 (Surr)	98		80 - 120		12/26/24 13:53	1

Client Sample Results

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

Job ID: 410-201498-1

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

Lab Sample ID: 410-201498-4

Date Collected: 12/18/24 12:15

Matrix: Water

Date Received: 12/19/24 14:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			12/26/24 14:17	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			12/26/24 14:17	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			12/26/24 14:17	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			12/26/24 14:17	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			12/26/24 14:17	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			12/26/24 14:17	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			12/26/24 14:17	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			12/26/24 14:17	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			12/26/24 14:17	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			12/26/24 14:17	1
2-Hexanone	ND		5.0	2.0	ug/L			12/26/24 14:17	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			12/26/24 14:17	1
Acetone	2.4	J	5.0	1.5	ug/L			12/26/24 14:17	1
Benzene	ND		0.50	0.10	ug/L			12/26/24 14:17	1
Bromochloromethane	ND		0.50	0.080	ug/L			12/26/24 14:17	1
Bromodichloromethane	ND		0.50	0.080	ug/L			12/26/24 14:17	1
Bromoform	ND		1.0	0.30	ug/L			12/26/24 14:17	1
Bromomethane	ND		0.50	0.10	ug/L			12/26/24 14:17	1
Carbon disulfide	ND		1.0	0.10	ug/L			12/26/24 14:17	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			12/26/24 14:17	1
Chlorobenzene	ND		0.50	0.070	ug/L			12/26/24 14:17	1
Chloroethane	ND		0.50	0.10	ug/L			12/26/24 14:17	1
Chloroform	0.17	J	0.50	0.090	ug/L			12/26/24 14:17	1
Chloromethane	ND		0.50	0.10	ug/L			12/26/24 14:17	1
cis-1,2-Dichloroethene	0.13	J	0.50	0.080	ug/L			12/26/24 14:17	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			12/26/24 14:17	1
Dibromochloromethane	ND		0.50	0.080	ug/L			12/26/24 14:17	1
Ethylbenzene	ND		0.50	0.080	ug/L			12/26/24 14:17	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			12/26/24 14:17	1
Methylene Chloride	ND		0.50	0.20	ug/L			12/26/24 14:17	1
Styrene	ND		0.50	0.070	ug/L			12/26/24 14:17	1
Tetrachloroethene	0.31	J	0.50	0.20	ug/L			12/26/24 14:17	1
Toluene	ND		0.50	0.080	ug/L			12/26/24 14:17	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			12/26/24 14:17	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			12/26/24 14:17	1
Trichloroethene	0.20	J	0.50	0.080	ug/L			12/26/24 14:17	1
Vinyl chloride	ND		0.50	0.10	ug/L			12/26/24 14:17	1
Xylenes, Total	ND		1.0	0.070	ug/L			12/26/24 14:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		80 - 120		12/26/24 14:17	1
4-Bromofluorobenzene (Surr)	91		80 - 120		12/26/24 14:17	1
Dibromofluoromethane (Surr)	104		80 - 120		12/26/24 14:17	1
Toluene-d8 (Surr)	95		80 - 120		12/26/24 14:17	1

Client Sample Results

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

Job ID: 410-201498-1

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

Lab Sample ID: 410-201498-5

Date Collected: 12/18/24 09:00

Matrix: Water

Date Received: 12/19/24 14:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			12/26/24 14:39	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			12/26/24 14:39	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			12/26/24 14:39	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			12/26/24 14:39	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			12/26/24 14:39	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			12/26/24 14:39	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			12/26/24 14:39	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			12/26/24 14:39	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			12/26/24 14:39	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			12/26/24 14:39	1
2-Hexanone	ND		5.0	2.0	ug/L			12/26/24 14:39	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			12/26/24 14:39	1
Acetone	1.8	J	5.0	1.5	ug/L			12/26/24 14:39	1
Benzene	ND		0.50	0.10	ug/L			12/26/24 14:39	1
Bromochloromethane	ND		0.50	0.080	ug/L			12/26/24 14:39	1
Bromodichloromethane	ND		0.50	0.080	ug/L			12/26/24 14:39	1
Bromoform	ND		1.0	0.30	ug/L			12/26/24 14:39	1
Bromomethane	ND		0.50	0.10	ug/L			12/26/24 14:39	1
Carbon disulfide	ND		1.0	0.10	ug/L			12/26/24 14:39	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			12/26/24 14:39	1
Chlorobenzene	ND		0.50	0.070	ug/L			12/26/24 14:39	1
Chloroethane	ND		0.50	0.10	ug/L			12/26/24 14:39	1
Chloroform	0.10	J	0.50	0.090	ug/L			12/26/24 14:39	1
Chloromethane	0.17	J	0.50	0.10	ug/L			12/26/24 14:39	1
cis-1,2-Dichloroethene	0.16	J	0.50	0.080	ug/L			12/26/24 14:39	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			12/26/24 14:39	1
Dibromochloromethane	ND		0.50	0.080	ug/L			12/26/24 14:39	1
Ethylbenzene	ND		0.50	0.080	ug/L			12/26/24 14:39	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			12/26/24 14:39	1
Methylene Chloride	ND		0.50	0.20	ug/L			12/26/24 14:39	1
Styrene	ND		0.50	0.070	ug/L			12/26/24 14:39	1
Tetrachloroethene	1.7		0.50	0.20	ug/L			12/26/24 14:39	1
Toluene	ND		0.50	0.080	ug/L			12/26/24 14:39	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			12/26/24 14:39	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			12/26/24 14:39	1
Trichloroethene	0.33	J	0.50	0.080	ug/L			12/26/24 14:39	1
Vinyl chloride	ND		0.50	0.10	ug/L			12/26/24 14:39	1
Xylenes, Total	ND		1.0	0.070	ug/L			12/26/24 14:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		80 - 120		12/26/24 14:39	1
4-Bromofluorobenzene (Surr)	90		80 - 120		12/26/24 14:39	1
Dibromofluoromethane (Surr)	105		80 - 120		12/26/24 14:39	1
Toluene-d8 (Surr)	97		80 - 120		12/26/24 14:39	1

Client Sample Results

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

Job ID: 410-201498-1

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

Lab Sample ID: 410-201498-6

Date Collected: 12/18/24 11:30

Matrix: Water

Date Received: 12/19/24 14:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			12/26/24 15:01	1
1,1,1-Trichloroethane	0.45	J	0.50	0.080	ug/L			12/26/24 15:01	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			12/26/24 15:01	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			12/26/24 15:01	1
1,1-Dichloroethane	0.15	J FH	0.50	0.10	ug/L			12/26/24 15:01	1
1,1-Dichloroethene	0.22	J	0.50	0.10	ug/L			12/26/24 15:01	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			12/26/24 15:01	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			12/26/24 15:01	1
1,2-Dichloropropane	ND	FH	0.50	0.10	ug/L			12/26/24 15:01	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			12/26/24 15:01	1
2-Hexanone	ND		5.0	2.0	ug/L			12/26/24 15:01	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			12/26/24 15:01	1
Acetone	ND		5.0	1.5	ug/L			12/26/24 15:01	1
Benzene	ND		0.50	0.10	ug/L			12/26/24 15:01	1
Bromochloromethane	ND		0.50	0.080	ug/L			12/26/24 15:01	1
Bromodichloromethane	ND	FH	0.50	0.080	ug/L			12/26/24 15:01	1
Bromoform	ND		1.0	0.30	ug/L			12/26/24 15:01	1
Bromomethane	ND		0.50	0.10	ug/L			12/26/24 15:01	1
Carbon disulfide	ND		1.0	0.10	ug/L			12/26/24 15:01	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			12/26/24 15:01	1
Chlorobenzene	ND		0.50	0.070	ug/L			12/26/24 15:01	1
Chloroethane	ND	FH	0.50	0.10	ug/L			12/26/24 15:01	1
Chloroform	0.19	J FH	0.50	0.090	ug/L			12/26/24 15:01	1
Chloromethane	0.20	J	0.50	0.10	ug/L			12/26/24 15:01	1
cis-1,2-Dichloroethene	2.0		0.50	0.080	ug/L			12/26/24 15:01	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			12/26/24 15:01	1
Dibromochloromethane	ND		0.50	0.080	ug/L			12/26/24 15:01	1
Ethylbenzene	ND		0.50	0.080	ug/L			12/26/24 15:01	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			12/26/24 15:01	1
Methylene Chloride	ND		0.50	0.20	ug/L			12/26/24 15:01	1
Styrene	ND	FH	0.50	0.070	ug/L			12/26/24 15:01	1
Tetrachloroethene	6.8		0.50	0.20	ug/L			12/26/24 15:01	1
Toluene	ND		0.50	0.080	ug/L			12/26/24 15:01	1
trans-1,2-Dichloroethene	ND	FH	0.50	0.10	ug/L			12/26/24 15:01	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			12/26/24 15:01	1
Trichloroethene	1.6		0.50	0.080	ug/L			12/26/24 15:01	1
Vinyl chloride	ND		0.50	0.10	ug/L			12/26/24 15:01	1
Xylenes, Total	ND		1.0	0.070	ug/L			12/26/24 15:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		80 - 120		12/26/24 15:01	1
4-Bromofluorobenzene (Surr)	89		80 - 120		12/26/24 15:01	1
Dibromofluoromethane (Surr)	105		80 - 120		12/26/24 15:01	1
Toluene-d8 (Surr)	95		80 - 120		12/26/24 15:01	1

Client Sample Results

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

Job ID: 410-201498-1

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

Lab Sample ID: 410-201498-7

Date Collected: 12/18/24 09:20

Matrix: Water

Date Received: 12/19/24 14:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			12/26/24 16:07	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			12/26/24 16:07	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			12/26/24 16:07	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			12/26/24 16:07	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			12/26/24 16:07	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			12/26/24 16:07	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			12/26/24 16:07	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			12/26/24 16:07	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			12/26/24 16:07	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			12/26/24 16:07	1
2-Hexanone	ND		5.0	2.0	ug/L			12/26/24 16:07	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			12/26/24 16:07	1
Acetone	2.1	J	5.0	1.5	ug/L			12/26/24 16:07	1
Benzene	ND		0.50	0.10	ug/L			12/26/24 16:07	1
Bromochloromethane	ND		0.50	0.080	ug/L			12/26/24 16:07	1
Bromodichloromethane	ND		0.50	0.080	ug/L			12/26/24 16:07	1
Bromoform	ND		1.0	0.30	ug/L			12/26/24 16:07	1
Bromomethane	ND		0.50	0.10	ug/L			12/26/24 16:07	1
Carbon disulfide	ND		1.0	0.10	ug/L			12/26/24 16:07	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			12/26/24 16:07	1
Chlorobenzene	ND		0.50	0.070	ug/L			12/26/24 16:07	1
Chloroethane	ND		0.50	0.10	ug/L			12/26/24 16:07	1
Chloroform	0.10	J	0.50	0.090	ug/L			12/26/24 16:07	1
Chloromethane	0.20	J	0.50	0.10	ug/L			12/26/24 16:07	1
cis-1,2-Dichloroethene	0.18	J	0.50	0.080	ug/L			12/26/24 16:07	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			12/26/24 16:07	1
Dibromochloromethane	ND		0.50	0.080	ug/L			12/26/24 16:07	1
Ethylbenzene	ND		0.50	0.080	ug/L			12/26/24 16:07	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			12/26/24 16:07	1
Methylene Chloride	ND		0.50	0.20	ug/L			12/26/24 16:07	1
Styrene	ND		0.50	0.070	ug/L			12/26/24 16:07	1
Tetrachloroethene	1.1		0.50	0.20	ug/L			12/26/24 16:07	1
Toluene	ND		0.50	0.080	ug/L			12/26/24 16:07	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			12/26/24 16:07	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			12/26/24 16:07	1
Trichloroethene	0.35	J	0.50	0.080	ug/L			12/26/24 16:07	1
Vinyl chloride	ND		0.50	0.10	ug/L			12/26/24 16:07	1
Xylenes, Total	ND		1.0	0.070	ug/L			12/26/24 16:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		80 - 120					12/26/24 16:07	1
4-Bromofluorobenzene (Surr)	91		80 - 120					12/26/24 16:07	1
Dibromofluoromethane (Surr)	105		80 - 120					12/26/24 16:07	1
Toluene-d8 (Surr)	97		80 - 120					12/26/24 16:07	1

Client Sample Results

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

Job ID: 410-201498-1

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

Lab Sample ID: 410-201498-8

Date Collected: 12/18/24 09:35

Matrix: Water

Date Received: 12/19/24 14:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			12/26/24 17:57	1
1,1,1-Trichloroethane	15		0.50	0.080	ug/L			12/26/24 17:57	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			12/26/24 17:57	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			12/26/24 17:57	1
1,1-Dichloroethane	2.6		0.50	0.10	ug/L			12/26/24 17:57	1
1,1-Dichloroethene	1.1		0.50	0.10	ug/L			12/26/24 17:57	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			12/26/24 17:57	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			12/26/24 17:57	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			12/26/24 17:57	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			12/26/24 17:57	1
2-Hexanone	ND		5.0	2.0	ug/L			12/26/24 17:57	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			12/26/24 17:57	1
Acetone	ND		5.0	1.5	ug/L			12/26/24 17:57	1
Benzene	ND		0.50	0.10	ug/L			12/26/24 17:57	1
Bromochloromethane	ND		0.50	0.080	ug/L			12/26/24 17:57	1
Bromodichloromethane	ND		0.50	0.080	ug/L			12/26/24 17:57	1
Bromoform	ND		1.0	0.30	ug/L			12/26/24 17:57	1
Bromomethane	ND		0.50	0.10	ug/L			12/26/24 17:57	1
Carbon disulfide	ND		1.0	0.10	ug/L			12/26/24 17:57	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			12/26/24 17:57	1
Chlorobenzene	ND		0.50	0.070	ug/L			12/26/24 17:57	1
Chloroethane	ND		0.50	0.10	ug/L			12/26/24 17:57	1
Chloroform	0.18	J	0.50	0.090	ug/L			12/26/24 17:57	1
Chloromethane	ND		0.50	0.10	ug/L			12/26/24 17:57	1
cis-1,2-Dichloroethene	3.8		0.50	0.080	ug/L			12/26/24 17:57	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			12/26/24 17:57	1
Dibromochloromethane	ND		0.50	0.080	ug/L			12/26/24 17:57	1
Ethylbenzene	ND		0.50	0.080	ug/L			12/26/24 17:57	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			12/26/24 17:57	1
Methylene Chloride	ND		0.50	0.20	ug/L			12/26/24 17:57	1
Styrene	ND		0.50	0.070	ug/L			12/26/24 17:57	1
Toluene	ND		0.50	0.080	ug/L			12/26/24 17:57	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			12/26/24 17:57	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			12/26/24 17:57	1
Trichloroethene	7.2		0.50	0.080	ug/L			12/26/24 17:57	1
Vinyl chloride	ND		0.50	0.10	ug/L			12/26/24 17:57	1
Xylenes, Total	ND		1.0	0.070	ug/L			12/26/24 17:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		80 - 120		12/26/24 17:57	1
4-Bromofluorobenzene (Surr)	90		80 - 120		12/26/24 17:57	1
Dibromofluoromethane (Surr)	107		80 - 120		12/26/24 17:57	1
Toluene-d8 (Surr)	95		80 - 120		12/26/24 17:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	200		5.0	2.0	ug/L			12/26/24 18:19	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		80 - 120		12/26/24 18:19	10

Client Sample Results

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

Job ID: 410-201498-1

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

Lab Sample ID: 410-201498-8

Date Collected: 12/18/24 09:35

Matrix: Water

Date Received: 12/19/24 14:25

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		80 - 120		12/26/24 18:19	10
Dibromofluoromethane (Surr)	106		80 - 120		12/26/24 18:19	10
Toluene-d8 (Surr)	94		80 - 120		12/26/24 18:19	10

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

Lab Sample ID: 410-201498-9

Date Collected: 12/18/24 10:55

Matrix: Water

Date Received: 12/19/24 14:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			12/26/24 16:29	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			12/26/24 16:29	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			12/26/24 16:29	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			12/26/24 16:29	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			12/26/24 16:29	1
1,1-Dichloroethene	0.13	J	0.50	0.10	ug/L			12/26/24 16:29	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			12/26/24 16:29	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			12/26/24 16:29	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			12/26/24 16:29	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			12/26/24 16:29	1
2-Hexanone	ND		5.0	2.0	ug/L			12/26/24 16:29	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			12/26/24 16:29	1
Acetone	ND		5.0	1.5	ug/L			12/26/24 16:29	1
Benzene	ND		0.50	0.10	ug/L			12/26/24 16:29	1
Bromochloromethane	ND		0.50	0.080	ug/L			12/26/24 16:29	1
Bromodichloromethane	ND		0.50	0.080	ug/L			12/26/24 16:29	1
Bromoform	ND		1.0	0.30	ug/L			12/26/24 16:29	1
Bromomethane	ND		0.50	0.10	ug/L			12/26/24 16:29	1
Carbon disulfide	ND		1.0	0.10	ug/L			12/26/24 16:29	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			12/26/24 16:29	1
Chlorobenzene	ND		0.50	0.070	ug/L			12/26/24 16:29	1
Chloroethane	ND		0.50	0.10	ug/L			12/26/24 16:29	1
Chloroform	0.82		0.50	0.090	ug/L			12/26/24 16:29	1
Chloromethane	ND		0.50	0.10	ug/L			12/26/24 16:29	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			12/26/24 16:29	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			12/26/24 16:29	1
Dibromochloromethane	ND		0.50	0.080	ug/L			12/26/24 16:29	1
Ethylbenzene	ND		0.50	0.080	ug/L			12/26/24 16:29	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			12/26/24 16:29	1
Methylene Chloride	ND		0.50	0.20	ug/L			12/26/24 16:29	1
Styrene	ND		0.50	0.070	ug/L			12/26/24 16:29	1
Tetrachloroethene	3.8		0.50	0.20	ug/L			12/26/24 16:29	1
Toluene	ND		0.50	0.080	ug/L			12/26/24 16:29	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			12/26/24 16:29	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			12/26/24 16:29	1
Trichloroethene	0.17	J	0.50	0.080	ug/L			12/26/24 16:29	1
Vinyl chloride	ND		0.50	0.10	ug/L			12/26/24 16:29	1
Xylenes, Total	ND		1.0	0.070	ug/L			12/26/24 16:29	1

Client Sample Results

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

Job ID: 410-201498-1

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

Lab Sample ID: 410-201498-9

Date Collected: 12/18/24 10:55

Matrix: Water

Date Received: 12/19/24 14:25

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		80 - 120		12/26/24 16:29	1
4-Bromofluorobenzene (Surr)	91		80 - 120		12/26/24 16:29	1
Dibromofluoromethane (Surr)	105		80 - 120		12/26/24 16:29	1
Toluene-d8 (Surr)	97		80 - 120		12/26/24 16:29	1

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

Lab Sample ID: 410-201498-10

Date Collected: 12/18/24 11:25

Matrix: Water

Date Received: 12/19/24 14:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			12/26/24 16:51	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			12/26/24 16:51	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			12/26/24 16:51	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			12/26/24 16:51	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			12/26/24 16:51	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			12/26/24 16:51	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			12/26/24 16:51	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			12/26/24 16:51	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			12/26/24 16:51	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			12/26/24 16:51	1
2-Hexanone	ND		5.0	2.0	ug/L			12/26/24 16:51	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			12/26/24 16:51	1
Acetone	2.8	J	5.0	1.5	ug/L			12/26/24 16:51	1
Benzene	ND		0.50	0.10	ug/L			12/26/24 16:51	1
Bromochloromethane	ND		0.50	0.080	ug/L			12/26/24 16:51	1
Bromodichloromethane	ND		0.50	0.080	ug/L			12/26/24 16:51	1
Bromoform	ND		1.0	0.30	ug/L			12/26/24 16:51	1
Bromomethane	ND		0.50	0.10	ug/L			12/26/24 16:51	1
Carbon disulfide	ND		1.0	0.10	ug/L			12/26/24 16:51	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			12/26/24 16:51	1
Chlorobenzene	ND		0.50	0.070	ug/L			12/26/24 16:51	1
Chloroethane	ND		0.50	0.10	ug/L			12/26/24 16:51	1
Chloroform	0.24	J	0.50	0.090	ug/L			12/26/24 16:51	1
Chloromethane	0.15	J	0.50	0.10	ug/L			12/26/24 16:51	1
cis-1,2-Dichloroethene	0.13	J	0.50	0.080	ug/L			12/26/24 16:51	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			12/26/24 16:51	1
Dibromochloromethane	ND		0.50	0.080	ug/L			12/26/24 16:51	1
Ethylbenzene	ND		0.50	0.080	ug/L			12/26/24 16:51	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			12/26/24 16:51	1
Methylene Chloride	ND		0.50	0.20	ug/L			12/26/24 16:51	1
Styrene	ND		0.50	0.070	ug/L			12/26/24 16:51	1
Tetrachloroethene	ND		0.50	0.20	ug/L			12/26/24 16:51	1
Toluene	ND		0.50	0.080	ug/L			12/26/24 16:51	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			12/26/24 16:51	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			12/26/24 16:51	1
Trichloroethene	0.27	J	0.50	0.080	ug/L			12/26/24 16:51	1
Vinyl chloride	ND		0.50	0.10	ug/L			12/26/24 16:51	1
Xylenes, Total	ND		1.0	0.070	ug/L			12/26/24 16:51	1

Client Sample Results

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

Job ID: 410-201498-1

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

Lab Sample ID: 410-201498-10

Date Collected: 12/18/24 11:25

Matrix: Water

Date Received: 12/19/24 14:25

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		80 - 120		12/26/24 16:51	1
4-Bromofluorobenzene (Surr)	92		80 - 120		12/26/24 16:51	1
Dibromofluoromethane (Surr)	106		80 - 120		12/26/24 16:51	1
Toluene-d8 (Surr)	98		80 - 120		12/26/24 16:51	1

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

Lab Sample ID: 410-201498-11

Date Collected: 12/18/24 12:30

Matrix: Water

Date Received: 12/19/24 14:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			12/26/24 17:13	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			12/26/24 17:13	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			12/26/24 17:13	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			12/26/24 17:13	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			12/26/24 17:13	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			12/26/24 17:13	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			12/26/24 17:13	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			12/26/24 17:13	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			12/26/24 17:13	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			12/26/24 17:13	1
2-Hexanone	ND		5.0	2.0	ug/L			12/26/24 17:13	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			12/26/24 17:13	1
Acetone	2.3	J	5.0	1.5	ug/L			12/26/24 17:13	1
Benzene	ND		0.50	0.10	ug/L			12/26/24 17:13	1
Bromochloromethane	ND		0.50	0.080	ug/L			12/26/24 17:13	1
Bromodichloromethane	ND		0.50	0.080	ug/L			12/26/24 17:13	1
Bromoform	ND		1.0	0.30	ug/L			12/26/24 17:13	1
Bromomethane	ND		0.50	0.10	ug/L			12/26/24 17:13	1
Carbon disulfide	ND		1.0	0.10	ug/L			12/26/24 17:13	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			12/26/24 17:13	1
Chlorobenzene	ND		0.50	0.070	ug/L			12/26/24 17:13	1
Chloroethane	ND		0.50	0.10	ug/L			12/26/24 17:13	1
Chloroform	0.16	J	0.50	0.090	ug/L			12/26/24 17:13	1
Chloromethane	ND		0.50	0.10	ug/L			12/26/24 17:13	1
cis-1,2-Dichloroethene	0.15	J	0.50	0.080	ug/L			12/26/24 17:13	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			12/26/24 17:13	1
Dibromochloromethane	ND		0.50	0.080	ug/L			12/26/24 17:13	1
Ethylbenzene	ND		0.50	0.080	ug/L			12/26/24 17:13	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			12/26/24 17:13	1
Methylene Chloride	ND		0.50	0.20	ug/L			12/26/24 17:13	1
Styrene	ND		0.50	0.070	ug/L			12/26/24 17:13	1
Tetrachloroethene	0.32	J	0.50	0.20	ug/L			12/26/24 17:13	1
Toluene	ND		0.50	0.080	ug/L			12/26/24 17:13	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			12/26/24 17:13	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			12/26/24 17:13	1
Trichloroethene	0.23	J	0.50	0.080	ug/L			12/26/24 17:13	1
Vinyl chloride	ND		0.50	0.10	ug/L			12/26/24 17:13	1
Xylenes, Total	ND		1.0	0.070	ug/L			12/26/24 17:13	1

Client Sample Results

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

Job ID: 410-201498-1

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

Lab Sample ID: 410-201498-11

Date Collected: 12/18/24 12:30

Matrix: Water

Date Received: 12/19/24 14:25

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		80 - 120		12/26/24 17:13	1
4-Bromofluorobenzene (Surr)	90		80 - 120		12/26/24 17:13	1
Dibromofluoromethane (Surr)	107		80 - 120		12/26/24 17:13	1
Toluene-d8 (Surr)	96		80 - 120		12/26/24 17:13	1

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

Lab Sample ID: 410-201498-12

Date Collected: 12/18/24 08:40

Matrix: Water

Date Received: 12/19/24 14:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			12/26/24 17:35	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			12/26/24 17:35	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			12/26/24 17:35	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			12/26/24 17:35	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			12/26/24 17:35	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			12/26/24 17:35	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			12/26/24 17:35	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			12/26/24 17:35	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			12/26/24 17:35	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			12/26/24 17:35	1
2-Hexanone	ND		5.0	2.0	ug/L			12/26/24 17:35	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			12/26/24 17:35	1
Acetone	1.7	J	5.0	1.5	ug/L			12/26/24 17:35	1
Benzene	ND		0.50	0.10	ug/L			12/26/24 17:35	1
Bromochloromethane	ND		0.50	0.080	ug/L			12/26/24 17:35	1
Bromodichloromethane	ND		0.50	0.080	ug/L			12/26/24 17:35	1
Bromoform	ND		1.0	0.30	ug/L			12/26/24 17:35	1
Bromomethane	ND		0.50	0.10	ug/L			12/26/24 17:35	1
Carbon disulfide	ND		1.0	0.10	ug/L			12/26/24 17:35	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			12/26/24 17:35	1
Chlorobenzene	ND		0.50	0.070	ug/L			12/26/24 17:35	1
Chloroethane	ND		0.50	0.10	ug/L			12/26/24 17:35	1
Chloroform	0.094	J	0.50	0.090	ug/L			12/26/24 17:35	1
Chloromethane	0.15	J	0.50	0.10	ug/L			12/26/24 17:35	1
cis-1,2-Dichloroethene	0.15	J	0.50	0.080	ug/L			12/26/24 17:35	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			12/26/24 17:35	1
Dibromochloromethane	ND		0.50	0.080	ug/L			12/26/24 17:35	1
Ethylbenzene	ND		0.50	0.080	ug/L			12/26/24 17:35	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			12/26/24 17:35	1
Methylene Chloride	ND		0.50	0.20	ug/L			12/26/24 17:35	1
Styrene	ND		0.50	0.070	ug/L			12/26/24 17:35	1
Tetrachloroethene	0.81		0.50	0.20	ug/L			12/26/24 17:35	1
Toluene	ND		0.50	0.080	ug/L			12/26/24 17:35	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			12/26/24 17:35	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			12/26/24 17:35	1
Trichloroethene	0.27	J	0.50	0.080	ug/L			12/26/24 17:35	1
Vinyl chloride	ND		0.50	0.10	ug/L			12/26/24 17:35	1
Xylenes, Total	ND		1.0	0.070	ug/L			12/26/24 17:35	1

Client Sample Results

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

Job ID: 410-201498-1

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

Lab Sample ID: 410-201498-12

Date Collected: 12/18/24 08:40

Matrix: Water

Date Received: 12/19/24 14:25

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		80 - 120		12/26/24 17:35	1
4-Bromofluorobenzene (Surr)	92		80 - 120		12/26/24 17:35	1
Dibromofluoromethane (Surr)	105		80 - 120		12/26/24 17:35	1
Toluene-d8 (Surr)	98		80 - 120		12/26/24 17:35	1

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

Lab Sample ID: 410-201498-13

Date Collected: 12/18/24 08:00

Matrix: Water

Date Received: 12/19/24 14:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			12/26/24 18:41	1
1,1,1-Trichloroethane	16		0.50	0.080	ug/L			12/26/24 18:41	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			12/26/24 18:41	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			12/26/24 18:41	1
1,1-Dichloroethane	2.7		0.50	0.10	ug/L			12/26/24 18:41	1
1,1-Dichloroethene	1.2		0.50	0.10	ug/L			12/26/24 18:41	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			12/26/24 18:41	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			12/26/24 18:41	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			12/26/24 18:41	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			12/26/24 18:41	1
2-Hexanone	ND		5.0	2.0	ug/L			12/26/24 18:41	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			12/26/24 18:41	1
Acetone	ND		5.0	1.5	ug/L			12/26/24 18:41	1
Benzene	ND		0.50	0.10	ug/L			12/26/24 18:41	1
Bromochloromethane	ND		0.50	0.080	ug/L			12/26/24 18:41	1
Bromodichloromethane	ND		0.50	0.080	ug/L			12/26/24 18:41	1
Bromoform	ND		1.0	0.30	ug/L			12/26/24 18:41	1
Bromomethane	ND		0.50	0.10	ug/L			12/26/24 18:41	1
Carbon disulfide	ND		1.0	0.10	ug/L			12/26/24 18:41	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			12/26/24 18:41	1
Chlorobenzene	ND		0.50	0.070	ug/L			12/26/24 18:41	1
Chloroethane	ND		0.50	0.10	ug/L			12/26/24 18:41	1
Chloroform	0.18	J	0.50	0.090	ug/L			12/26/24 18:41	1
Chloromethane	ND		0.50	0.10	ug/L			12/26/24 18:41	1
cis-1,2-Dichloroethene	4.1		0.50	0.080	ug/L			12/26/24 18:41	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			12/26/24 18:41	1
Dibromochloromethane	ND		0.50	0.080	ug/L			12/26/24 18:41	1
Ethylbenzene	ND		0.50	0.080	ug/L			12/26/24 18:41	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			12/26/24 18:41	1
Methylene Chloride	ND		0.50	0.20	ug/L			12/26/24 18:41	1
Styrene	ND		0.50	0.070	ug/L			12/26/24 18:41	1
Toluene	ND		0.50	0.080	ug/L			12/26/24 18:41	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			12/26/24 18:41	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			12/26/24 18:41	1
Trichloroethene	7.6		0.50	0.080	ug/L			12/26/24 18:41	1
Vinyl chloride	ND		0.50	0.10	ug/L			12/26/24 18:41	1
Xylenes, Total	ND		1.0	0.070	ug/L			12/26/24 18:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		80 - 120		12/26/24 18:41	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

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

Job ID: 410-201498-1

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

Lab Sample ID: 410-201498-13

Date Collected: 12/18/24 08:00

Matrix: Water

Date Received: 12/19/24 14:25

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		80 - 120		12/26/24 18:41	1
Dibromofluoromethane (Surr)	106		80 - 120		12/26/24 18:41	1
Toluene-d8 (Surr)	95		80 - 120		12/26/24 18:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	200		5.0	2.0	ug/L			12/26/24 19:04	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		80 - 120		12/26/24 19:04	10
4-Bromofluorobenzene (Surr)	89		80 - 120		12/26/24 19:04	10
Dibromofluoromethane (Surr)	107		80 - 120		12/26/24 19:04	10
Toluene-d8 (Surr)	96		80 - 120		12/26/24 19:04	10

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

Lab Sample ID: 410-201498-14

Date Collected: 12/17/24 00:00

Matrix: Water

Date Received: 12/19/24 14:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			12/26/24 11:40	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			12/26/24 11:40	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			12/26/24 11:40	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			12/26/24 11:40	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			12/26/24 11:40	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			12/26/24 11:40	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			12/26/24 11:40	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			12/26/24 11:40	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			12/26/24 11:40	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			12/26/24 11:40	1
2-Hexanone	ND		5.0	2.0	ug/L			12/26/24 11:40	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			12/26/24 11:40	1
Acetone	ND		5.0	1.5	ug/L			12/26/24 11:40	1
Benzene	ND		0.50	0.10	ug/L			12/26/24 11:40	1
Bromochloromethane	ND		0.50	0.080	ug/L			12/26/24 11:40	1
Bromodichloromethane	ND		0.50	0.080	ug/L			12/26/24 11:40	1
Bromoform	ND		1.0	0.30	ug/L			12/26/24 11:40	1
Bromomethane	ND		0.50	0.10	ug/L			12/26/24 11:40	1
Carbon disulfide	ND		1.0	0.10	ug/L			12/26/24 11:40	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			12/26/24 11:40	1
Chlorobenzene	ND		0.50	0.070	ug/L			12/26/24 11:40	1
Chloroethane	ND		0.50	0.10	ug/L			12/26/24 11:40	1
Chloroform	ND		0.50	0.090	ug/L			12/26/24 11:40	1
Chloromethane	ND		0.50	0.10	ug/L			12/26/24 11:40	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			12/26/24 11:40	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			12/26/24 11:40	1
Dibromochloromethane	ND		0.50	0.080	ug/L			12/26/24 11:40	1
Ethylbenzene	ND		0.50	0.080	ug/L			12/26/24 11:40	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			12/26/24 11:40	1
Methylene Chloride	ND		0.50	0.20	ug/L			12/26/24 11:40	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

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

Job ID: 410-201498-1

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

Lab Sample ID: 410-201498-14

Date Collected: 12/17/24 00:00

Matrix: Water

Date Received: 12/19/24 14:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		0.50	0.070	ug/L			12/26/24 11:40	1
Tetrachloroethene	ND		0.50	0.20	ug/L			12/26/24 11:40	1
Toluene	ND		0.50	0.080	ug/L			12/26/24 11:40	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			12/26/24 11:40	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			12/26/24 11:40	1
Trichloroethene	ND		0.50	0.080	ug/L			12/26/24 11:40	1
Vinyl chloride	ND		0.50	0.10	ug/L			12/26/24 11:40	1
Xylenes, Total	ND		1.0	0.070	ug/L			12/26/24 11:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		80 - 120		12/26/24 11:40	1
4-Bromofluorobenzene (Surr)	92		80 - 120		12/26/24 11:40	1
Dibromofluoromethane (Surr)	105		80 - 120		12/26/24 11:40	1
Toluene-d8 (Surr)	97		80 - 120		12/26/24 11:40	1

Default Detection Limits

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

Job ID: 410-201498-1

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: 410-201498-1

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)
410-201498-1	HD-COD-SW-6-0/1-0	103	90	104	96
410-201498-2	HD-COD-SW-7-0/1-0	103	91	105	98
410-201498-3	HD-COD-SW-8-0/1-0	104	91	104	98
410-201498-4	HD-COD-SW-9-0/1-0	104	91	104	95
410-201498-5	HD-COD-SW-13-0/1-0	105	90	105	97
410-201498-6	HD-COD-SW-15-0/1-0	103	89	105	95
410-201498-6 MS	HD-COD-SW-15-0/1-0 MS	101	99	103	100
410-201498-6 MSD	HD-COD-SW-15-0/1-0 MSD	100	98	102	99
410-201498-7	HD-COD-SW-16-0/1-0	102	91	105	97
410-201498-8	HD-COD-SW-17-0/1-0	106	90	107	95
410-201498-8 - DL	HD-COD-SW-17-0/1-0	105	90	106	94
410-201498-9	HD-COD-SW-26-0/1-0	100	91	105	97
410-201498-10	HD-COD-SW-27-0/1-0	103	92	106	98
410-201498-11	HD-COD-SW-28-0/1-0	106	90	107	96
410-201498-12	HD-COD-SW-29-0/1-0	102	92	105	98
410-201498-13	HD-QC1-0/1-1	104	91	106	95
410-201498-13 - DL	HD-QC1-0/1-1	104	89	107	96
410-201498-14	HD-QC1-0/1-2	104	92	105	97
LCS 410-589906/4	Lab Control Sample	102	98	102	98
LCSD 410-589906/5	Lab Control Sample Dup	100	98	101	99
MB 410-589906/7	Method Blank	103	91	105	96

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: 410-201498-1

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

Lab Sample ID: MB 410-589906/7

Matrix: Water

Analysis Batch: 589906

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			12/26/24 11:18	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			12/26/24 11:18	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			12/26/24 11:18	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			12/26/24 11:18	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			12/26/24 11:18	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			12/26/24 11:18	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			12/26/24 11:18	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			12/26/24 11:18	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			12/26/24 11:18	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			12/26/24 11:18	1
2-Hexanone	ND		5.0	2.0	ug/L			12/26/24 11:18	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			12/26/24 11:18	1
Acetone	ND		5.0	1.5	ug/L			12/26/24 11:18	1
Benzene	ND		0.50	0.10	ug/L			12/26/24 11:18	1
Bromochloromethane	ND		0.50	0.080	ug/L			12/26/24 11:18	1
Bromodichloromethane	ND		0.50	0.080	ug/L			12/26/24 11:18	1
Bromoform	ND		1.0	0.30	ug/L			12/26/24 11:18	1
Bromomethane	ND		0.50	0.10	ug/L			12/26/24 11:18	1
Carbon disulfide	ND		1.0	0.10	ug/L			12/26/24 11:18	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			12/26/24 11:18	1
Chlorobenzene	ND		0.50	0.070	ug/L			12/26/24 11:18	1
Chloroethane	ND		0.50	0.10	ug/L			12/26/24 11:18	1
Chloroform	ND		0.50	0.090	ug/L			12/26/24 11:18	1
Chloromethane	ND		0.50	0.10	ug/L			12/26/24 11:18	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			12/26/24 11:18	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			12/26/24 11:18	1
Dibromochloromethane	ND		0.50	0.080	ug/L			12/26/24 11:18	1
Ethylbenzene	ND		0.50	0.080	ug/L			12/26/24 11:18	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			12/26/24 11:18	1
Methylene Chloride	ND		0.50	0.20	ug/L			12/26/24 11:18	1
Styrene	ND		0.50	0.070	ug/L			12/26/24 11:18	1
Tetrachloroethene	ND		0.50	0.20	ug/L			12/26/24 11:18	1
Toluene	ND		0.50	0.080	ug/L			12/26/24 11:18	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			12/26/24 11:18	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			12/26/24 11:18	1
Trichloroethene	ND		0.50	0.080	ug/L			12/26/24 11:18	1
Vinyl chloride	ND		0.50	0.10	ug/L			12/26/24 11:18	1
Xylenes, Total	ND		1.0	0.070	ug/L			12/26/24 11:18	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		80 - 120		12/26/24 11:18	1
4-Bromofluorobenzene (Surr)	91		80 - 120		12/26/24 11:18	1
Dibromofluoromethane (Surr)	105		80 - 120		12/26/24 11:18	1
Toluene-d8 (Surr)	96		80 - 120		12/26/24 11:18	1

QC Sample Results

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

Job ID: 410-201498-1

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

Lab Sample ID: LCS 410-589906/4

Matrix: Water

Analysis Batch: 589906

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	5.45		ug/L		109	80 - 122
1,1,1-Trichloroethane	5.00	5.66		ug/L		113	78 - 126
1,1,2,2-Tetrachloroethane	5.00	5.55		ug/L		111	75 - 123
1,1,2-Trichloroethane	5.00	5.46		ug/L		109	80 - 120
1,1-Dichloroethane	5.00	5.61		ug/L		112	74 - 120
1,1-Dichloroethene	5.00	5.61		ug/L		112	80 - 131
1,2-Dibromoethane (EDB)	5.00	5.57		ug/L		111	80 - 120
1,2-Dichloroethane	5.00	5.59		ug/L		112	69 - 122
1,2-Dichloropropane	5.00	5.60		ug/L		112	80 - 120
2-Butanone (MEK)	62.5	67.8		ug/L		109	59 - 141
2-Hexanone	62.5	67.1		ug/L		107	52 - 140
4-Methyl-2-pentanone (MIBK)	62.5	68.1		ug/L		109	55 - 140
Acetone	62.5	58.8		ug/L		94	60 - 146
Benzene	5.00	5.30		ug/L		106	80 - 120
Bromochloromethane	5.00	5.68		ug/L		114	80 - 133
Bromodichloromethane	5.00	5.72		ug/L		114	80 - 123
Bromoform	5.00	5.86		ug/L		117	75 - 126
Bromomethane	5.00	5.46		ug/L		109	63 - 120
Carbon disulfide	5.00	5.11		ug/L		102	67 - 130
Carbon tetrachloride	5.00	5.76		ug/L		115	64 - 141
Chlorobenzene	5.00	5.24		ug/L		105	80 - 120
Chloroethane	5.00	5.96		ug/L		119	63 - 120
Chloroform	5.00	5.51		ug/L		110	80 - 120
Chloromethane	5.00	5.20		ug/L		104	56 - 124
cis-1,2-Dichloroethene	5.00	5.42		ug/L		108	80 - 122
cis-1,3-Dichloropropene	5.00	5.09		ug/L		102	67 - 121
Dibromochloromethane	5.00	5.65		ug/L		113	80 - 123
Ethylbenzene	5.00	5.35		ug/L		107	80 - 120
Methyl tert-butyl ether	5.00	5.20		ug/L		104	69 - 120
Methylene Chloride	5.00	5.44		ug/L		109	80 - 120
Styrene	5.00	5.73		ug/L		115	80 - 120
Tetrachloroethene	5.00	5.14		ug/L		103	80 - 120
Toluene	5.00	5.32		ug/L		106	80 - 120
trans-1,2-Dichloroethene	5.00	5.44		ug/L		109	80 - 122
trans-1,3-Dichloropropene	5.00	5.27		ug/L		105	61 - 129
Trichloroethene	5.00	5.42		ug/L		108	80 - 120
Vinyl chloride	5.00	5.27		ug/L		105	60 - 125
Xylenes, Total	15.0	16.1		ug/L		107	80 - 120

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

QC Sample Results

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

Job ID: 410-201498-1

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

Lab Sample ID: LCSD 410-589906/5

Matrix: Water

Analysis Batch: 589906

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	5.57		ug/L		111	80 - 122	2	30
1,1,1-Trichloroethane	5.00	5.68		ug/L		114	78 - 126	0	30
1,1,2,2-Tetrachloroethane	5.00	5.76		ug/L		115	75 - 123	4	30
1,1,2-Trichloroethane	5.00	5.61		ug/L		112	80 - 120	3	30
1,1-Dichloroethane	5.00	5.72		ug/L		114	74 - 120	2	30
1,1-Dichloroethene	5.00	5.77		ug/L		115	80 - 131	3	30
1,2-Dibromoethane (EDB)	5.00	5.75		ug/L		115	80 - 120	3	30
1,2-Dichloroethane	5.00	5.85		ug/L		117	69 - 122	4	30
1,2-Dichloropropane	5.00	5.76		ug/L		115	80 - 120	3	30
2-Butanone (MEK)	62.5	71.3		ug/L		114	59 - 141	5	30
2-Hexanone	62.5	69.9		ug/L		112	52 - 140	4	30
4-Methyl-2-pentanone (MIBK)	62.5	70.1		ug/L		112	55 - 140	3	30
Acetone	62.5	63.3		ug/L		101	60 - 146	7	30
Benzene	5.00	5.41		ug/L		108	80 - 120	2	30
Bromochloromethane	5.00	5.75		ug/L		115	80 - 133	1	30
Bromodichloromethane	5.00	5.75		ug/L		115	80 - 123	1	30
Bromoform	5.00	5.83		ug/L		117	75 - 126	1	30
Bromomethane	5.00	5.61		ug/L		112	63 - 120	3	30
Carbon disulfide	5.00	5.12		ug/L		102	67 - 130	0	30
Carbon tetrachloride	5.00	5.84		ug/L		117	64 - 141	1	30
Chlorobenzene	5.00	5.41		ug/L		108	80 - 120	3	30
Chloroethane	5.00	6.00		ug/L		120	63 - 120	1	30
Chloroform	5.00	5.66		ug/L		113	80 - 120	3	30
Chloromethane	5.00	5.21		ug/L		104	56 - 124	0	30
cis-1,2-Dichloroethene	5.00	5.43		ug/L		109	80 - 122	0	30
cis-1,3-Dichloropropene	5.00	5.27		ug/L		105	67 - 121	4	30
Dibromochloromethane	5.00	5.78		ug/L		116	80 - 123	2	30
Ethylbenzene	5.00	5.45		ug/L		109	80 - 120	2	30
Methyl tert-butyl ether	5.00	5.38		ug/L		108	69 - 120	3	30
Methylene Chloride	5.00	5.56		ug/L		111	80 - 120	2	30
Styrene	5.00	5.84		ug/L		117	80 - 120	2	30
Tetrachloroethene	5.00	5.30		ug/L		106	80 - 120	3	30
Toluene	5.00	5.49		ug/L		110	80 - 120	3	30
trans-1,2-Dichloroethene	5.00	5.54		ug/L		111	80 - 122	2	30
trans-1,3-Dichloropropene	5.00	5.49		ug/L		110	61 - 129	4	30
Trichloroethene	5.00	5.46		ug/L		109	80 - 120	1	30
Vinyl chloride	5.00	5.33		ug/L		107	60 - 125	1	30
Xylenes, Total	15.0	16.5		ug/L		110	80 - 120	3	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		80 - 120
4-Bromofluorobenzene (Surr)	98		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: 410-201498-1

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

Lab Sample ID: 410-201498-6 MS

Matrix: Water

Analysis Batch: 589906

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

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	ND		5.00	5.90		ug/L		118	80 - 122
1,1,1-Trichloroethane	0.45	J	5.00	6.74		ug/L		126	78 - 126
1,1,2,2-Tetrachloroethane	ND		5.00	5.70		ug/L		114	75 - 123
1,1,2-Trichloroethane	ND		5.00	5.82		ug/L		116	80 - 120
1,1-Dichloroethane	0.15	J FH	5.00	6.35	FH	ug/L		124	74 - 120
1,1-Dichloroethene	0.22	J	5.00	6.57		ug/L		127	80 - 131
1,2-Dibromoethane (EDB)	ND		5.00	5.90		ug/L		118	80 - 120
1,2-Dichloroethane	ND		5.00	6.02		ug/L		120	69 - 122
1,2-Dichloropropane	ND	FH	5.00	6.18	FH	ug/L		123	80 - 120
2-Butanone (MEK)	ND		62.6	77.8		ug/L		124	59 - 141
2-Hexanone	ND		62.6	74.1		ug/L		118	52 - 140
4-Methyl-2-pentanone (MIBK)	ND		62.6	75.6		ug/L		121	55 - 140
Acetone	ND		62.6	73.6		ug/L		118	60 - 146
Benzene	ND		5.00	5.87		ug/L		117	80 - 120
Bromochloromethane	ND		5.00	6.10		ug/L		122	80 - 133
Bromodichloromethane	ND	FH	5.00	6.20	FH	ug/L		124	80 - 123
Bromoform	ND		5.00	6.02		ug/L		120	75 - 126
Bromomethane	ND		5.00	3.92		ug/L		78	63 - 120
Carbon disulfide	ND		5.00	5.72		ug/L		114	67 - 130
Carbon tetrachloride	ND		5.00	6.57		ug/L		131	64 - 141
Chlorobenzene	ND		5.00	5.83		ug/L		116	80 - 120
Chloroethane	ND	FH	5.00	6.55	FH	ug/L		131	63 - 120
Chloroform	0.19	J FH	5.00	6.34	FH	ug/L		123	80 - 120
Chloromethane	0.20	J	5.00	5.76		ug/L		111	80 - 120
cis-1,2-Dichloroethene	2.0		5.00	8.04		ug/L		120	80 - 122
cis-1,3-Dichloropropene	ND		5.00	5.43		ug/L		109	67 - 121
Dibromochloromethane	ND		5.00	5.88		ug/L		118	80 - 123
Ethylbenzene	ND		5.00	6.01		ug/L		120	80 - 120
Methyl tert-butyl ether	ND		5.00	5.37		ug/L		107	69 - 120
Methylene Chloride	ND		5.00	6.03		ug/L		120	80 - 120
Styrene	ND	FH	5.00	6.25	FH	ug/L		125	80 - 120
Tetrachloroethene	6.8		5.00	12.5		ug/L		113	80 - 120
Toluene	ND		5.00	5.96		ug/L		119	80 - 120
trans-1,2-Dichloroethene	ND	FH	5.00	6.16	FH	ug/L		123	80 - 122
trans-1,3-Dichloropropene	ND		5.00	5.68		ug/L		114	61 - 129
Trichloroethene	1.6		5.00	7.47		ug/L		117	80 - 120
Vinyl chloride	ND		5.00	5.71		ug/L		114	60 - 125
Xylenes, Total	ND		15.0	17.9		ug/L		119	80 - 120

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		80 - 120
4-Bromofluorobenzene (Surr)	99		80 - 120
Dibromofluoromethane (Surr)	103		80 - 120
Toluene-d8 (Surr)	100		80 - 120

QC Sample Results

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

Job ID: 410-201498-1

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

Lab Sample ID: 410-201498-6 MSD

Matrix: Water

Analysis Batch: 589906

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	5.85		ug/L		117	80 - 122	1	30
1,1,1-Trichloroethane	0.45	J	5.00	6.74		ug/L		126	78 - 126	0	30
1,1,2,2-Tetrachloroethane	ND		5.00	5.69		ug/L		114	75 - 123	0	30
1,1,2-Trichloroethane	ND		5.00	5.73		ug/L		114	80 - 120	2	30
1,1-Dichloroethane	0.15	J FH	5.00	6.32	FH	ug/L		123	74 - 120	1	30
1,1-Dichloroethene	0.22	J	5.00	6.48		ug/L		125	80 - 131	1	30
1,2-Dibromoethane (EDB)	ND		5.00	5.78		ug/L		116	80 - 120	2	30
1,2-Dichloroethane	ND		5.00	6.10		ug/L		122	69 - 122	1	30
1,2-Dichloropropane	ND	FH	5.00	6.07	FH	ug/L		121	80 - 120	2	30
2-Butanone (MEK)	ND		62.6	86.5		ug/L		138	59 - 141	11	30
2-Hexanone	ND		62.6	84.0		ug/L		134	52 - 140	13	30
4-Methyl-2-pentanone (MIBK)	ND		62.6	86.4		ug/L		138	55 - 140	13	30
Acetone	ND		62.6	75.4		ug/L		121	60 - 146	2	30
Benzene	ND		5.00	5.83		ug/L		116	80 - 120	1	30
Bromochloromethane	ND		5.00	6.07		ug/L		121	80 - 133	0	30
Bromodichloromethane	ND	FH	5.00	6.10		ug/L		122	80 - 123	2	30
Bromoform	ND		5.00	5.88		ug/L		118	75 - 126	2	30
Bromomethane	ND		5.00	3.64		ug/L		73	63 - 120	7	30
Carbon disulfide	ND		5.00	5.73		ug/L		114	67 - 130	0	30
Carbon tetrachloride	ND		5.00	6.55		ug/L		131	64 - 141	0	30
Chlorobenzene	ND		5.00	5.67		ug/L		113	80 - 120	3	30
Chloroethane	ND	FH	5.00	6.20	FH	ug/L		124	63 - 120	5	30
Chloroform	0.19	J FH	5.00	6.23	FH	ug/L		121	80 - 120	2	30
Chloromethane	0.20	J	5.00	5.52		ug/L		106	80 - 120	4	30
cis-1,2-Dichloroethene	2.0		5.00	7.94		ug/L		118	80 - 122	1	30
cis-1,3-Dichloropropene	ND		5.00	5.36		ug/L		107	67 - 121	1	30
Dibromochloromethane	ND		5.00	5.93		ug/L		119	80 - 123	1	30
Ethylbenzene	ND		5.00	5.92		ug/L		118	80 - 120	1	30
Methyl tert-butyl ether	ND		5.00	5.36		ug/L		107	69 - 120	0	30
Methylene Chloride	ND		5.00	5.87		ug/L		117	80 - 120	3	30
Styrene	ND	FH	5.00	6.17	FH	ug/L		123	80 - 120	1	30
Tetrachloroethene	6.8		5.00	12.5		ug/L		113	80 - 120	0	30
Toluene	ND		5.00	5.85		ug/L		117	80 - 120	2	30
trans-1,2-Dichloroethene	ND	FH	5.00	5.95		ug/L		119	80 - 122	4	30
trans-1,3-Dichloropropene	ND		5.00	5.62		ug/L		112	61 - 129	1	30
Trichloroethene	1.6		5.00	7.43		ug/L		116	80 - 120	1	30
Vinyl chloride	ND		5.00	5.43		ug/L		108	60 - 125	5	30
Xylenes, Total	ND		15.0	17.7		ug/L		118	80 - 120	1	30

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

QC Association Summary

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

Job ID: 410-201498-1

GC/MS VOA

Analysis Batch: 589906

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-201498-1	HD-COD-SW-6-0/1-0	Total/NA	Water	8260D	
410-201498-2	HD-COD-SW-7-0/1-0	Total/NA	Water	8260D	
410-201498-3	HD-COD-SW-8-0/1-0	Total/NA	Water	8260D	
410-201498-4	HD-COD-SW-9-0/1-0	Total/NA	Water	8260D	
410-201498-5	HD-COD-SW-13-0/1-0	Total/NA	Water	8260D	
410-201498-6	HD-COD-SW-15-0/1-0	Total/NA	Water	8260D	
410-201498-7	HD-COD-SW-16-0/1-0	Total/NA	Water	8260D	
410-201498-8	HD-COD-SW-17-0/1-0	Total/NA	Water	8260D	
410-201498-8 - DL	HD-COD-SW-17-0/1-0	Total/NA	Water	8260D	
410-201498-9	HD-COD-SW-26-0/1-0	Total/NA	Water	8260D	
410-201498-10	HD-COD-SW-27-0/1-0	Total/NA	Water	8260D	
410-201498-11	HD-COD-SW-28-0/1-0	Total/NA	Water	8260D	
410-201498-12	HD-COD-SW-29-0/1-0	Total/NA	Water	8260D	
410-201498-13	HD-QC1-0/1-1	Total/NA	Water	8260D	
410-201498-13 - DL	HD-QC1-0/1-1	Total/NA	Water	8260D	
410-201498-14	HD-QC1-0/1-2	Total/NA	Water	8260D	
MB 410-589906/7	Method Blank	Total/NA	Water	8260D	
LCS 410-589906/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 410-589906/5	Lab Control Sample Dup	Total/NA	Water	8260D	
410-201498-6 MS	HD-COD-SW-15-0/1-0 MS	Total/NA	Water	8260D	
410-201498-6 MSD	HD-COD-SW-15-0/1-0 MSD	Total/NA	Water	8260D	

Lab Chronicle

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

Job ID: 410-201498-1

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

Lab Sample ID: 410-201498-1

Date Collected: 12/18/24 10:00

Matrix: Water

Date Received: 12/19/24 14:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	589906	N7YK	ELLE	12/26/24 13:09

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

Lab Sample ID: 410-201498-2

Date Collected: 12/18/24 11:15

Matrix: Water

Date Received: 12/19/24 14:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	589906	N7YK	ELLE	12/26/24 13:31

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

Lab Sample ID: 410-201498-3

Date Collected: 12/18/24 08:50

Matrix: Water

Date Received: 12/19/24 14:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	589906	N7YK	ELLE	12/26/24 13:53

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

Lab Sample ID: 410-201498-4

Date Collected: 12/18/24 12:15

Matrix: Water

Date Received: 12/19/24 14:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	589906	N7YK	ELLE	12/26/24 14:17

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

Lab Sample ID: 410-201498-5

Date Collected: 12/18/24 09:00

Matrix: Water

Date Received: 12/19/24 14:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	589906	N7YK	ELLE	12/26/24 14:39

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

Lab Sample ID: 410-201498-6

Date Collected: 12/18/24 11:30

Matrix: Water

Date Received: 12/19/24 14:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	589906	N7YK	ELLE	12/26/24 15:01

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

Lab Sample ID: 410-201498-7

Date Collected: 12/18/24 09:20

Matrix: Water

Date Received: 12/19/24 14:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	589906	N7YK	ELLE	12/26/24 16:07

Lab Chronicle

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

Job ID: 410-201498-1

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

Lab Sample ID: 410-201498-8

Date Collected: 12/18/24 09:35

Matrix: Water

Date Received: 12/19/24 14:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	589906	N7YK	ELLE	12/26/24 17:57
Total/NA	Analysis	8260D	DL	10	589906	N7YK	ELLE	12/26/24 18:19

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

Lab Sample ID: 410-201498-9

Date Collected: 12/18/24 10:55

Matrix: Water

Date Received: 12/19/24 14:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	589906	N7YK	ELLE	12/26/24 16:29

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

Lab Sample ID: 410-201498-10

Date Collected: 12/18/24 11:25

Matrix: Water

Date Received: 12/19/24 14:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	589906	N7YK	ELLE	12/26/24 16:51

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

Lab Sample ID: 410-201498-11

Date Collected: 12/18/24 12:30

Matrix: Water

Date Received: 12/19/24 14:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	589906	N7YK	ELLE	12/26/24 17:13

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

Lab Sample ID: 410-201498-12

Date Collected: 12/18/24 08:40

Matrix: Water

Date Received: 12/19/24 14:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	589906	N7YK	ELLE	12/26/24 17:35

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

Lab Sample ID: 410-201498-13

Date Collected: 12/18/24 08:00

Matrix: Water

Date Received: 12/19/24 14:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	589906	N7YK	ELLE	12/26/24 18:41
Total/NA	Analysis	8260D	DL	10	589906	N7YK	ELLE	12/26/24 19:04

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

Lab Sample ID: 410-201498-14

Date Collected: 12/17/24 00:00

Matrix: Water

Date Received: 12/19/24 14:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	589906	N7YK	ELLE	12/26/24 11:40

Lab Chronicle

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

Job ID: 410-201498-1

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: 410-201498-1

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: 410-201498-1

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: 410-201498-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-201498-1	HD-COD-SW-6-0/1-0	Water	12/18/24 10:00	12/19/24 14:25
410-201498-2	HD-COD-SW-7-0/1-0	Water	12/18/24 11:15	12/19/24 14:25
410-201498-3	HD-COD-SW-8-0/1-0	Water	12/18/24 08:50	12/19/24 14:25
410-201498-4	HD-COD-SW-9-0/1-0	Water	12/18/24 12:15	12/19/24 14:25
410-201498-5	HD-COD-SW-13-0/1-0	Water	12/18/24 09:00	12/19/24 14:25
410-201498-6	HD-COD-SW-15-0/1-0	Water	12/18/24 11:30	12/19/24 14:25
410-201498-7	HD-COD-SW-16-0/1-0	Water	12/18/24 09:20	12/19/24 14:25
410-201498-8	HD-COD-SW-17-0/1-0	Water	12/18/24 09:35	12/19/24 14:25
410-201498-9	HD-COD-SW-26-0/1-0	Water	12/18/24 10:55	12/19/24 14:25
410-201498-10	HD-COD-SW-27-0/1-0	Water	12/18/24 11:25	12/19/24 14:25
410-201498-11	HD-COD-SW-28-0/1-0	Water	12/18/24 12:30	12/19/24 14:25
410-201498-12	HD-COD-SW-29-0/1-0	Water	12/18/24 08:40	12/19/24 14:25
410-201498-13	HD-QC1-0/1-1	Water	12/18/24 08:00	12/19/24 14:25
410-201498-14	HD-QC1-0/1-2	Water	12/17/24 00:00	12/19/24 14:25

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-201498-1

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.: 410-201498-1

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.: 410-201498-1

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.: 410-201498-1

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.: 410-201498-1

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.: 410-201498-1

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.: 410-201498-1

SDG No.:

Instrument ID: 16334

Analysis Batch Number: 589906

Lab Sample ID: CCVIS 410-589906/3

Client Sample ID:

Date Analyzed: 12/26/24 09:50

Lab File ID: GD26X02.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bromomethane	2.28	Other	UKEK	12/31/24 17:59
1,4-Dioxane	7.98	Incomplete Integration	N7YK	12/26/24 10:12

Lab Sample ID: LCS 410-589906/4

Client Sample ID:

Date Analyzed: 12/26/24 10:12

Lab File ID: GD26X03.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bromomethane	2.27	Other	UKEK	12/31/24 17:59

Lab Sample ID: LCSD 410-589906/5

Client Sample ID:

Date Analyzed: 12/26/24 10:34

Lab File ID: GD26X04.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bromomethane	2.28	Other	UKEK	12/31/24 18:00

Lab Sample ID: MB 410-589906/7

Client Sample ID:

Date Analyzed: 12/26/24 11:18

Lab File ID: GD26X06.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Carbon disulfide	3.28	Incomplete Integration	N7YK	12/26/24 11:53

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-201498-1

SDG No.:

Instrument ID: 16334

Analysis Batch Number: 589906

Lab Sample ID: 410-201498-1

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

Date Analyzed: 12/26/24 13:09

Lab File ID: GD26X11.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Trichloroethene	7.55	Incomplete Integration	FQ4L	12/27/24 09:39
Chloromethane		Invalid Compound ID	FQ4L	12/27/24 09:39

Lab Sample ID: 410-201498-2

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

Date Analyzed: 12/26/24 13:31

Lab File ID: GD26X12.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
cis-1,2-Dichloroethene	5.44	Incomplete Integration	FQ4L	12/27/24 09:39
Trichloroethene	7.54	Incomplete Integration	FQ4L	12/27/24 09:40

Lab Sample ID: 410-201498-3

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

Date Analyzed: 12/26/24 13:53

Lab File ID: GD26X13.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,1,1-Trichloroethane		Invalid Compound ID	FQ4L	12/27/24 09:40
Acetone		Invalid Compound ID	FQ4L	12/27/24 09:40

Lab Sample ID: 410-201498-5

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

Date Analyzed: 12/26/24 14:39

Lab File ID: GD26X15.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,1,1-Trichloroethane		Invalid Compound ID	FQ4L	12/27/24 09:41

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-201498-1

SDG No.:

Instrument ID: 16334

Analysis Batch Number: 589906

Lab Sample ID: 410-201498-6

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

Date Analyzed: 12/26/24 15:01

Lab File ID: GD26X16.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	12/27/24 09:42
Acetone		Invalid Compound ID	FQ4L	12/27/24 09:42

Lab Sample ID: 410-201498-7

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

Date Analyzed: 12/26/24 16:07

Lab File ID: GD26X19.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	12/27/24 09:45
1,1,1-Trichloroethane		Invalid Compound ID	FQ4L	12/27/24 09:45

Lab Sample ID: 410-201498-10

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

Date Analyzed: 12/26/24 16:51

Lab File ID: GD26X21.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bromodichloromethane	8.24	Incomplete Integration	FQ4L	12/27/24 09:46

Lab Sample ID: 410-201498-11

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

Date Analyzed: 12/26/24 17:13

Lab File ID: GD26X22.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
cis-1,2-Dichloroethene	5.42	Incomplete Integration	FQ4L	12/27/24 09:47

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-201498-1

SDG No.:

Instrument ID: 16334

Analysis Batch Number: 589906

Lab Sample ID: 410-201498-12

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

Date Analyzed: 12/26/24 17:35

Lab File ID: GD26X23.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,1,1-Trichloroethane		Invalid Compound ID	FQ4L	12/27/24 09:47

Lab Sample ID: 410-201498-8

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

Date Analyzed: 12/26/24 17:57

Lab File ID: GD26X24.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
trans-1,2-Dichloroethene	3.93	Incomplete Integration	FQ4L	12/27/24 09:48
1,1,2-Trichloroethane		Invalid Compound ID	FQ4L	12/27/24 09:48

Lab Sample ID: 410-201498-13

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

Date Analyzed: 12/26/24 18:41

Lab File ID: GD26X26.D

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

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
trans-1,2-Dichloroethene	3.93	Incomplete Integration	FQ4L	12/27/24 09:49

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-201498-1

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						
					MSV_Cus826_IS_00687	834 uL	Toluene-d8 (Surr)	208.5 ug/mL						
							1,4-Dichlorobenzene-d4	208.5 ug/mL						
							Chlorobenzene-d5 (IS)	208.5 ug/mL						
.MSV_8260_SS_01300	04/30/29	Restek, Lot A0209669			(Purchased Reagent)	Fluorobenzene (IS)	208.5 ug/mL							
						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_29_826ISS_00058	06/16/25	12/16/24	Methanol, Lot EH822	10 mL	MSV_Cus826_IS_00695	834 uL	1,4-Dichlorobenzene-d4	208.5 ug/mL
													Chlorobenzene-d5 (IS)	208.5 ug/mL
Fluorobenzene (IS)	208.5 ug/mL													
t-Butyl alcohol-d10 (IS)	1042.5 ug/mL													
.MSV_Cus826_IS_00695	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_29_826ISS_00058	06/16/25	12/16/24	Methanol, Lot EH822	10 mL	MSV_8260_SS_01342	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_8260_SS_01342	07/31/29	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_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													

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC

Job No.: 410-201498-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
					MSV_Q_Ketones_00237	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_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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-201498-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00201	01/22/25	12/23/24	Methanol, Lot EH471	25 mL	MSV_M_MIX1SEC_00244	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_00242	1 mL	Carbon disulfide	40 ug/mL
							Methyl tert-butyl ether	40 ug/mL
					MSV_Q_Ketones_00246	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_00244	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-201498-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dibromoethane (EDB)	1000 ug/mL
							1,2-Dichloroethane	1000 ug/mL
							1,2-Dichloropropane	1000 ug/mL
							Benzene	1000 ug/mL
							Bromochloromethane	1000 ug/mL
							Bromodichloromethane	1000 ug/mL
							Bromoform	1000 ug/mL
							Carbon tetrachloride	1000 ug/mL
							Chlorobenzene	1000 ug/mL
							Chloroform	1000 ug/mL
							cis-1,2-Dichloroethene	1000 ug/mL
							cis-1,3-Dichloropropene	1000 ug/mL
							Dibromochloromethane	1000 ug/mL
							Ethylbenzene	1000 ug/mL
							Methylene Chloride	1000 ug/mL
							Styrene	1000 ug/mL
							Tetrachloroethene	1000 ug/mL
							Toluene	1000 ug/mL
							trans-1,2-Dichloroethene	1000 ug/mL
							trans-1,3-Dichloropropene	1000 ug/mL
.MSV_M_MIX2SEC_00242	05/31/27		Restek, Lot A0212017		(Purchased Reagent)		Trichloroethene	1000 ug/mL
.MSV_Q_Ketones_00246	04/30/27		Restek, Lot A0209876		(Purchased Reagent)		Carbon disulfide	1000 ug/mL
							Methyl tert-butyl ether	1000 ug/mL
							2-Butanone (MEK)	12500 ug/mL
							2-Hexanone	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	4-Methyl-2-pentanone (MIBK)	12500 ug/mL
							Acetone	12500 ug/mL
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-201498-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dichlorobenzene	50 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							4-Isopropyltoluene	50 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	100 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							N-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL
							1,1,2-Trichloro-1,2,2-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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-201498-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_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
							Propionitrile	1000 ug/mL
							trans-1,4-Dichloro-2-butene	500 ug/mL
.MSV_CCV_VOC#1_00212	01/01/25	12/02/24	Methanol, Lot EH471	5 mL	MSV_MegaMIX#1_00211	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-201498-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3,5-Trimethylbenzene	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dichloropropane	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							2,2-Dichloropropane	1000 ug/mL
							2-Chlorotoluene	1000 ug/mL
							4-Chlorotoluene	1000 ug/mL
							4-Isopropyltoluene	1000 ug/mL
							Benzene	1000 ug/mL
							Bromobenzene	1000 ug/mL
							Bromochloromethane	1000 ug/mL
							Bromodichloromethane	1000 ug/mL
							Bromoform	1000 ug/mL
							Carbon tetrachloride	1000 ug/mL
							Chlorobenzene	1000 ug/mL
							Chloroform	1000 ug/mL
							cis-1,2-Dichloroethene	1000 ug/mL
							cis-1,3-Dichloropropene	1000 ug/mL
							Dibromochloromethane	1000 ug/mL
							Dibromomethane	1000 ug/mL
							Ethylbenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Isopropylbenzene	1000 ug/mL
							m-Xylene & p-Xylene	2000 ug/mL
							Methylene Chloride	1000 ug/mL
							n-Butylbenzene	1000 ug/mL
							N-Propylbenzene	1000 ug/mL
							Naphthalene	1000 ug/mL
							o-Xylene	1000 ug/mL
							sec-Butylbenzene	1000 ug/mL
							Styrene	1000 ug/mL
							tert-Butylbenzene	1000 ug/mL
							Tetrachloroethene	1000 ug/mL
							Toluene	1000 ug/mL
							trans-1,2-Dichloroethene	1000 ug/mL
							trans-1,3-Dichloropropene	1000 ug/mL
							Trichloroethene	1000 ug/mL
					MSV_MegaMix#2_00209	1 mL	1,1,2-Trichloro-1,2,2-trifluoroethane	1000 ug/mL
							1,2,3-Trimethylbenzene	1000 ug/mL
							1,3,5-Trichlorobenzene	1000 ug/mL
							1,4-Dioxane	12500 ug/mL
							1-Chlorohexane	1000 ug/mL
							2-Chloro-1,3-butadiene	1000 ug/mL
							2-Methyl-2-propanol	5000 ug/mL
							2-Nitropropane	5000 ug/mL
							3-Chloro-1-propene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-201498-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-201498-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-201498-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_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		Restek, Lot A0211456		(Purchased Reagent)		1,4-Dioxane	62500 ug/mL
							2-Methyl-2-propanol	25000 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Methacrylonitrile	12500 ug/mL
							n-Butanol	125000 ug/mL
							Propionitrile	25000 ug/mL
							trans-1,4-Dichloro-2-butene	12500 ug/mL
MSV_LL_#1_826_00156	01/15/25	12/16/24	Methanol, Lot EH822	1 mL	MSV_CCV_VOC#1_00214	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-201498-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00214	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_00214	01/15/25	12/16/24	Methanol, Lot EH471	5 mL	MSV_MegaMIX#1_00213	1 mL	1,1,1,2-Tetrachloroethane	1000 ug/mL
							1,1,1-Trichloroethane	1000 ug/mL
							1,1,2,2-Tetrachloroethane	1000 ug/mL
							1,1,2-Trichloroethane	1000 ug/mL
							1,1-Dichloroethane	1000 ug/mL
							1,1-Dichloroethene	1000 ug/mL
							1,2-Dibromoethane (EDB)	1000 ug/mL
							1,2-Dichloroethane	1000 ug/mL
							1,2-Dichloropropane	1000 ug/mL
							Benzene	1000 ug/mL
							Bromochloromethane	1000 ug/mL
							Bromodichloromethane	1000 ug/mL
							Bromoform	1000 ug/mL
							Carbon tetrachloride	1000 ug/mL
							Chlorobenzene	1000 ug/mL
							Chloroform	1000 ug/mL
							cis-1,2-Dichloroethene	1000 ug/mL
							cis-1,3-Dichloropropene	1000 ug/mL
							Dibromochloromethane	1000 ug/mL
							Ethylbenzene	1000 ug/mL
							Methylene Chloride	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-201498-1

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
							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_00211	1 mL	Carbon disulfide	1000 ug/mL
							Methyl tert-butyl ether	1000 ug/mL
..MSV_MegaMIX#1_00213	01/15/25		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
							1,2-Dibromoethane (EDB)	5000 ug/mL
							1,2-Dichloroethane	5000 ug/mL
							1,2-Dichloropropane	5000 ug/mL
							Benzene	5000 ug/mL
							Bromochloromethane	5000 ug/mL
							Bromodichloromethane	5000 ug/mL
							Bromoform	5000 ug/mL
							Carbon tetrachloride	5000 ug/mL
							Chlorobenzene	5000 ug/mL
							Chloroform	5000 ug/mL
							cis-1,2-Dichloroethene	5000 ug/mL
							cis-1,3-Dichloropropene	5000 ug/mL
							Dibromochloromethane	5000 ug/mL
							Ethylbenzene	5000 ug/mL
							Methylene Chloride	5000 ug/mL
							Styrene	5000 ug/mL
							Tetrachloroethene	5000 ug/mL
							Toluene	5000 ug/mL
							trans-1,2-Dichloroethene	5000 ug/mL
							trans-1,3-Dichloropropene	5000 ug/mL
							Trichloroethene	5000 ug/mL
..MSV_MegaMix#2_00211	01/15/25		Restek, Lot A0212010		(Purchased Reagent)		Carbon disulfide	5000 ug/mL
							Methyl tert-butyl ether	5000 ug/mL
..MSV_CCv_VOC#3_00214	01/15/25	12/16/24	Methanol, Lot EH471	5 mL	MSV_V_Ketones_00213	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_00213	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_#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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC

Job No.: 410-201498-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					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
.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_00247	12/10/24	12/03/24	Methanol, Lot EH822	1 mL	MSV_CCV_GASES_00930	25 uL	1,2-Dichloro-1,1,2-trifluoroethane	50 ug/mL
							Bromomethane	50 ug/mL
							Butadiene	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Dichlorodifluoromethane	50 ug/mL
							Dichlorofluoromethane	50 ug/mL
							Trichlorofluoromethane	50 ug/mL
.MSV_CCV_GASES_00930	12/10/24		Restek, Lot A0212054		(Purchased Reagent)		Vinyl chloride	50 ug/mL
							1,2-Dichloro-1,1,2-trifluoroethane	2000 ug/mL
							Bromomethane	2000 ug/mL
							Butadiene	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Dichlorofluoromethane	2000 ug/mL
.MSV_CCV_GASES_00921	01/02/25		Restek, Lot A0212054		(Purchased Reagent)		Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
							Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
MSV_LL_GAS826_00250	01/02/25	12/26/24	Methanol, Lot EH822	1 mL	MSV_CCV_GASES_00921	25 uL	Chloromethane	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Vinyl chloride	50 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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-201498-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Vinyl chloride	2000 ug/mL
MSV_QC_Gas826_00238	12/30/24	12/26/24	Methanol, Lot EH822	1 mL	MSV_QC_2K_GAS_00278	20 uL	Bromomethane	40 ug/mL
							Chloroethane	40 ug/mL
							Chloromethane	40 ug/mL
							Vinyl chloride	40 ug/mL
.MSV_QC_2K_GAS_00278	12/30/24	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_00018							1,2-Dichloroethene, Total	
							1,3-Dichloropropene, Total	
							Tentatively Identified Compound	
							Xylenes, Total	
.MSV_VBFB_STK_00013	05/31/25	12/02/24	Methanol, Lot EH471	10 mL	MSV_VBFB_STK_00013	0.09 mL	BFB	50.076 ug/mL
..MSV_4BFB_NEAT_00012	05/31/25	Chem Service, Lot 15267000			MSV_4BFB_NEAT_00012	1.391 g	BFB	139100 ug/mL
					(Purchased Reagent)		BFB	1 g/q

Reagent

MSV_8260_SS_01300



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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 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:

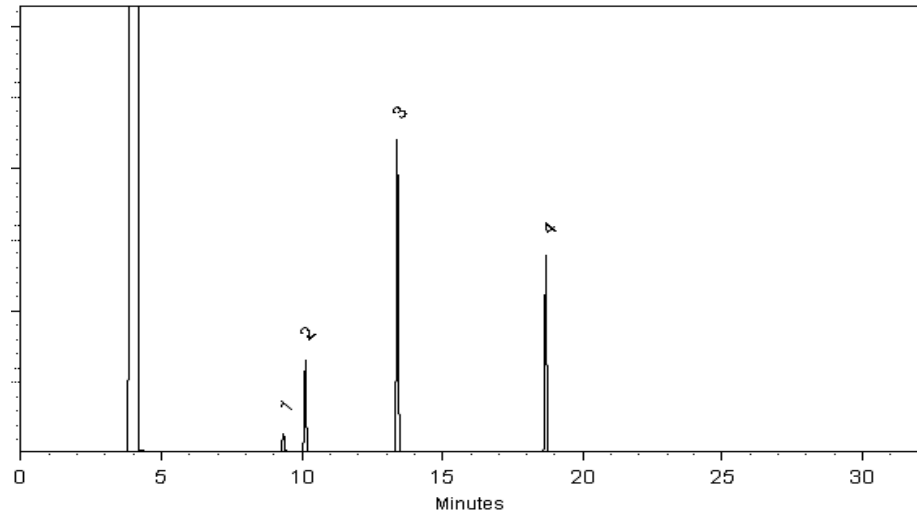
FID

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_BCE_00073



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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 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:

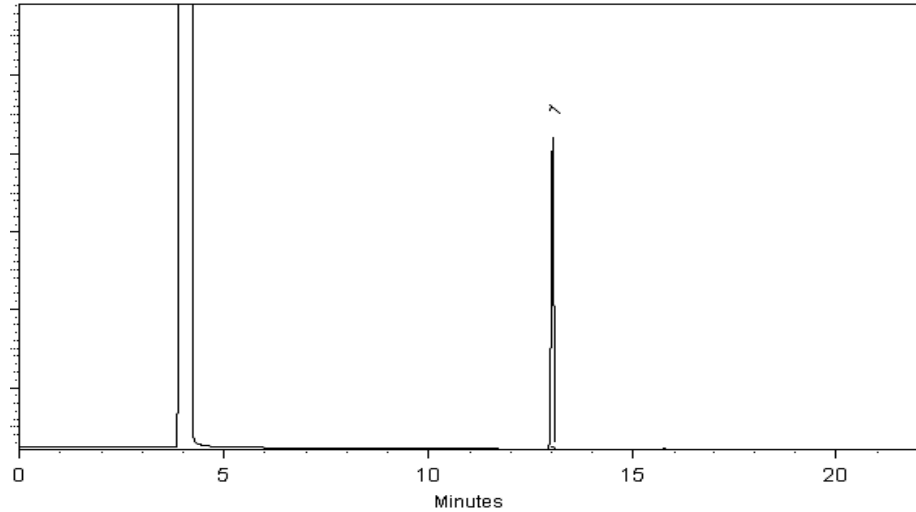
FID

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_Cus826_IS_00687



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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 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:

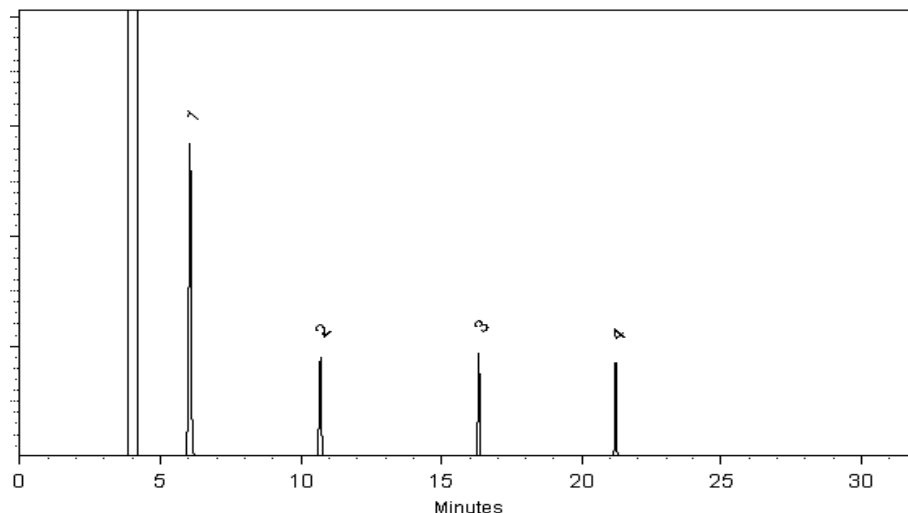
FID

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:

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

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_00695



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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 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:

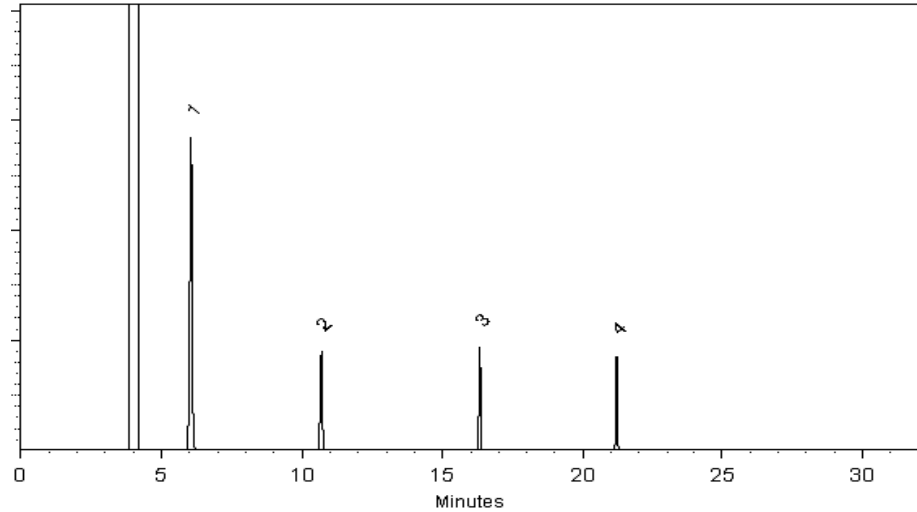
FID

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_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

Page 79 of 614

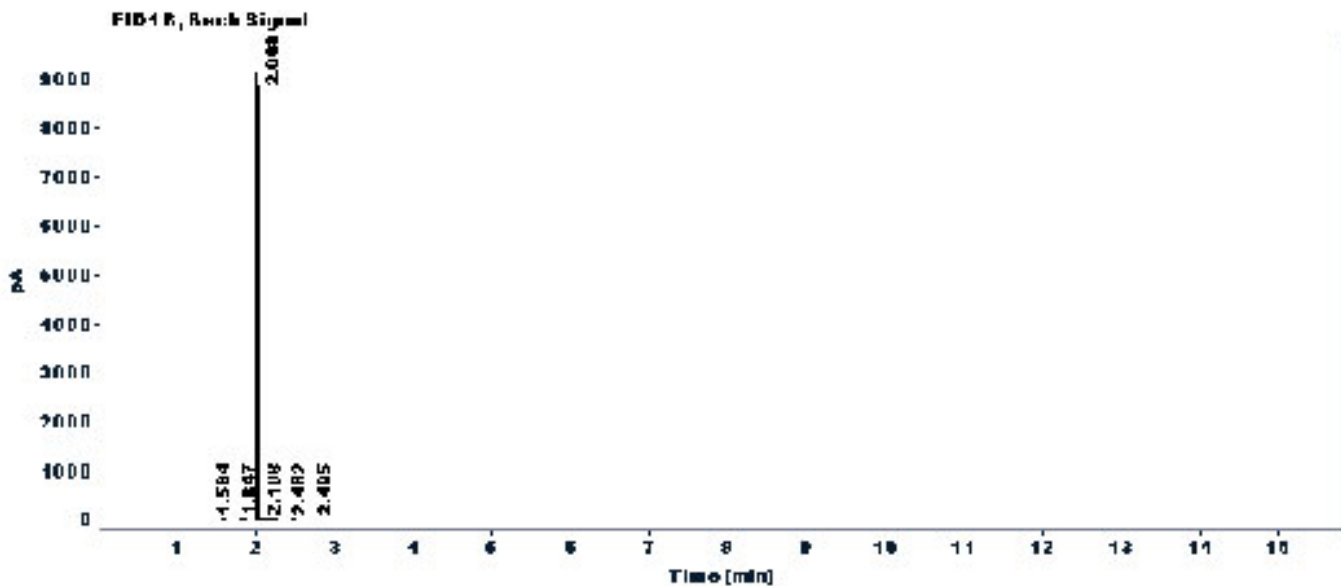
12/31/2024

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	C ₂ H ₅ Br
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)

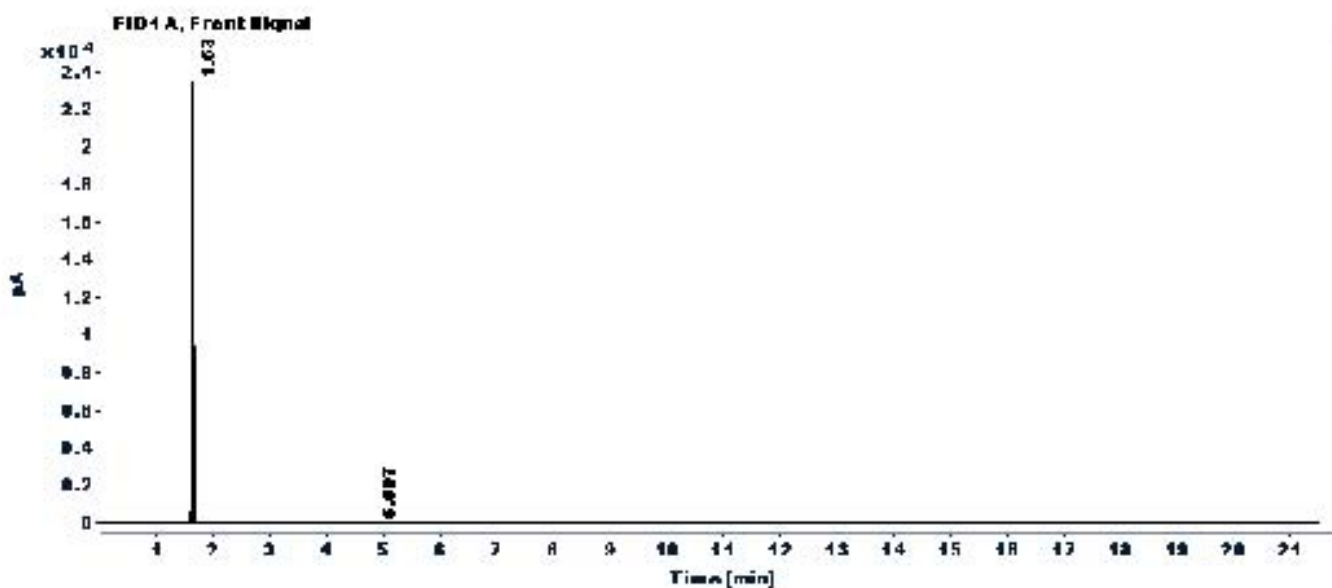
Print Date: 06/17/22

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_V_PentaCL_00063



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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 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:

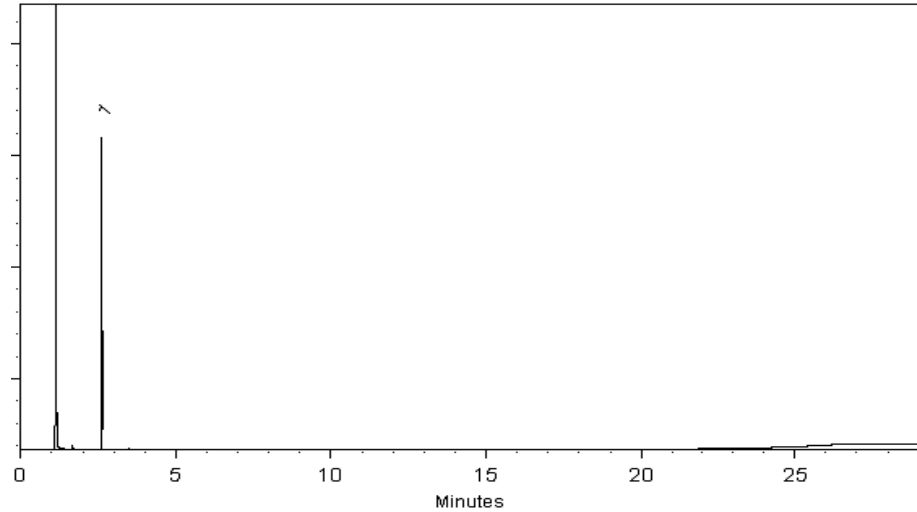
FID

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:

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

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Manufacturing Notes:

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Handling Notes:

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Method 8260D Low Level

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

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-201498-1

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	410-201498-1	104	103	96	90
HD-COD-SW-7-0/1-0	410-201498-2	105	103	98	91
HD-COD-SW-8-0/1-0	410-201498-3	104	104	98	91
HD-COD-SW-9-0/1-0	410-201498-4	104	104	95	91
HD-COD-SW-13-0/1-0	410-201498-5	105	105	97	90
HD-COD-SW-15-0/1-0	410-201498-6	105	103	95	89
HD-COD-SW-16-0/1-0	410-201498-7	105	102	97	91
HD-COD-SW-17-0/1-0	410-201498-8	107	106	95	90
HD-COD-SW-17-0/1-0 DL	410-201498-8 DL	106	105	94	90
HD-COD-SW-26-0/1-0	410-201498-9	105	100	97	91
HD-COD-SW-27-0/1-0	410-201498-10	106	103	98	92
HD-COD-SW-28-0/1-0	410-201498-11	107	106	96	90
HD-COD-SW-29-0/1-0	410-201498-12	105	102	98	92
HD-QC1-0/1-1	410-201498-13	106	104	95	91
HD-QC1-0/1-1 DL	410-201498-13 DL	107	104	96	89
HD-QC1-0/1-2	410-201498-14	105	104	97	92
	MB 410-589906/7	105	103	96	91
	LCS 410-589906/4	102	102	98	98
	LCSD 410-589906/5	101	100	99	98
HD-COD-SW-15-0/1-0 MS MS	410-201498-6 MS	103	101	100	99
HD-COD-SW-15-0/1-0 MSD MSD	410-201498-6 MSD	102	100	99	98

QC LIMITS

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

80-120
80-120
80-120
80-120

Column to be used to flag recovery values

FORM II 8260D

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-201498-1

SDG No.:

Matrix: Water Level: Low

Lab File ID: GD26X03.D

Lab ID: LCS 410-589906/4

Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	5.00	5.45	109	80-122	
1,1,1-Trichloroethane	5.00	5.66	113	78-126	
1,1,2,2-Tetrachloroethane	5.00	5.55	111	75-123	
1,1,2-Trichloroethane	5.00	5.46	109	80-120	
1,1-Dichloroethane	5.00	5.61	112	74-120	
1,1-Dichloroethene	5.00	5.61	112	80-131	
1,2-Dibromoethane (EDB)	5.00	5.57	111	80-120	
1,2-Dichloroethane	5.00	5.59	112	69-122	
1,2-Dichloropropane	5.00	5.60	112	80-120	
2-Butanone (MEK)	62.5	67.8	109	59-141	
2-Hexanone	62.5	67.1	107	52-140	
4-Methyl-2-pentanone (MIBK)	62.5	68.1	109	55-140	
Acetone	62.5	58.8	94	60-146	
Benzene	5.00	5.30	106	80-120	
Bromochloromethane	5.00	5.68	114	80-133	
Bromodichloromethane	5.00	5.72	114	80-123	
Bromoform	5.00	5.86	117	75-126	
Bromomethane	5.00	5.46	109	63-120	
Carbon disulfide	5.00	5.11	102	67-130	
Carbon tetrachloride	5.00	5.76	115	64-141	
Chlorobenzene	5.00	5.24	105	80-120	
Chloroethane	5.00	5.96	119	63-120	
Chloroform	5.00	5.51	110	80-120	
Chloromethane	5.00	5.20	104	56-124	
cis-1,2-Dichloroethene	5.00	5.42	108	80-122	
cis-1,3-Dichloropropene	5.00	5.09	102	67-121	
Dibromochloromethane	5.00	5.65	113	80-123	
Ethylbenzene	5.00	5.35	107	80-120	
Methyl tert-butyl ether	5.00	5.20	104	69-120	
Methylene Chloride	5.00	5.44	109	80-120	
Styrene	5.00	5.73	115	80-120	
Tetrachloroethene	5.00	5.14	103	80-120	
Toluene	5.00	5.32	106	80-120	
trans-1,2-Dichloroethene	5.00	5.44	109	80-122	
trans-1,3-Dichloropropene	5.00	5.27	105	61-129	
Trichloroethene	5.00	5.42	108	80-120	
Vinyl chloride	5.00	5.27	105	60-125	
Xylenes, Total	15.0	16.1	107	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.: 410-201498-1

SDG No.:

Matrix: Water Level: Low

Lab File ID: GD26X04.D

Lab ID: LCSD 410-589906/5

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	5.57	111	2	30	80-122	
1,1,1-Trichloroethane	5.00	5.68	114	0	30	78-126	
1,1,2,2-Tetrachloroethane	5.00	5.76	115	4	30	75-123	
1,1,2-Trichloroethane	5.00	5.61	112	3	30	80-120	
1,1-Dichloroethane	5.00	5.72	114	2	30	74-120	
1,1-Dichloroethene	5.00	5.77	115	3	30	80-131	
1,2-Dibromoethane (EDB)	5.00	5.75	115	3	30	80-120	
1,2-Dichloroethane	5.00	5.85	117	4	30	69-122	
1,2-Dichloropropane	5.00	5.76	115	3	30	80-120	
2-Butanone (MEK)	62.5	71.3	114	5	30	59-141	
2-Hexanone	62.5	69.9	112	4	30	52-140	
4-Methyl-2-pentanone (MIBK)	62.5	70.1	112	3	30	55-140	
Acetone	62.5	63.3	101	7	30	60-146	
Benzene	5.00	5.41	108	2	30	80-120	
Bromochloromethane	5.00	5.75	115	1	30	80-133	
Bromodichloromethane	5.00	5.75	115	1	30	80-123	
Bromoform	5.00	5.83	117	1	30	75-126	
Bromomethane	5.00	5.61	112	3	30	63-120	
Carbon disulfide	5.00	5.12	102	0	30	67-130	
Carbon tetrachloride	5.00	5.84	117	1	30	64-141	
Chlorobenzene	5.00	5.41	108	3	30	80-120	
Chloroethane	5.00	6.00	120	1	30	63-120	
Chloroform	5.00	5.66	113	3	30	80-120	
Chloromethane	5.00	5.21	104	0	30	56-124	
cis-1,2-Dichloroethene	5.00	5.43	109	0	30	80-122	
cis-1,3-Dichloropropene	5.00	5.27	105	4	30	67-121	
Dibromochloromethane	5.00	5.78	116	2	30	80-123	
Ethylbenzene	5.00	5.45	109	2	30	80-120	
Methyl tert-butyl ether	5.00	5.38	108	3	30	69-120	
Methylene Chloride	5.00	5.56	111	2	30	80-120	
Styrene	5.00	5.84	117	2	30	80-120	
Tetrachloroethene	5.00	5.30	106	3	30	80-120	
Toluene	5.00	5.49	110	3	30	80-120	
trans-1,2-Dichloroethene	5.00	5.54	111	2	30	80-122	
trans-1,3-Dichloropropene	5.00	5.49	110	4	30	61-129	
Trichloroethene	5.00	5.46	109	1	30	80-120	
Vinyl chloride	5.00	5.33	107	1	30	60-125	
Xylenes, Total	15.0	16.5	110	3	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.: 410-201498-1

SDG No.:

Matrix: Water Level: Low

Lab File ID: GD26X17.D

Lab ID: 410-201498-6 MS

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

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	5.00	ND	5.90	118	80-122	
1,1,1-Trichloroethane	5.00	0.45 J	6.74	126	78-126	
1,1,2,2-Tetrachloroethane	5.00	ND	5.70	114	75-123	
1,1,2-Trichloroethane	5.00	ND	5.82	116	80-120	
1,1-Dichloroethane	5.00	0.15 J	6.35	124	74-120	FH
1,1-Dichloroethene	5.00	0.22 J	6.57	127	80-131	
1,2-Dibromoethane (EDB)	5.00	ND	5.90	118	80-120	
1,2-Dichloroethane	5.00	ND	6.02	120	69-122	
1,2-Dichloropropane	5.00	ND	6.18	123	80-120	FH
2-Butanone (MEK)	62.6	ND	77.8	124	59-141	
2-Hexanone	62.6	ND	74.1	118	52-140	
4-Methyl-2-pentanone (MIBK)	62.6	ND	75.6	121	55-140	
Acetone	62.6	ND	73.6	118	60-146	
Benzene	5.00	ND	5.87	117	80-120	
Bromochloromethane	5.00	ND	6.10	122	80-133	
Bromodichloromethane	5.00	ND	6.20	124	80-123	FH
Bromoform	5.00	ND	6.02	120	75-126	
Bromomethane	5.00	ND	3.92	78	63-120	
Carbon disulfide	5.00	ND	5.72	114	67-130	
Carbon tetrachloride	5.00	ND	6.57	131	64-141	
Chlorobenzene	5.00	ND	5.83	116	80-120	
Chloroethane	5.00	ND	6.55	131	63-120	FH
Chloroform	5.00	0.19 J	6.34	123	80-120	FH
Chloromethane	5.00	0.20 J	5.76	111	80-120	
cis-1,2-Dichloroethene	5.00	2.0	8.04	120	80-122	
cis-1,3-Dichloropropene	5.00	ND	5.43	109	67-121	
Dibromochloromethane	5.00	ND	5.88	118	80-123	
Ethylbenzene	5.00	ND	6.01	120	80-120	
Methyl tert-butyl ether	5.00	ND	5.37	107	69-120	
Methylene Chloride	5.00	ND	6.03	120	80-120	
Styrene	5.00	ND	6.25	125	80-120	FH
Tetrachloroethene	5.00	6.8	12.5	113	80-120	
Toluene	5.00	ND	5.96	119	80-120	
trans-1,2-Dichloroethene	5.00	ND	6.16	123	80-122	FH
trans-1,3-Dichloropropene	5.00	ND	5.68	114	61-129	
Trichloroethene	5.00	1.6	7.47	117	80-120	
Vinyl chloride	5.00	ND	5.71	114	60-125	
Xylenes, Total	15.0	ND	17.9	119	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.: 410-201498-1

SDG No.:

Matrix: Water Level: Low

Lab File ID: GD26X18.D

Lab ID: 410-201498-6 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	5.85	117	1	30	80-122	
1,1,1-Trichloroethane	5.00	6.74	126	0	30	78-126	
1,1,2,2-Tetrachloroethane	5.00	5.69	114	0	30	75-123	
1,1,2-Trichloroethane	5.00	5.73	114	2	30	80-120	
1,1-Dichloroethane	5.00	6.32	123	1	30	74-120	FH
1,1-Dichloroethene	5.00	6.48	125	1	30	80-131	
1,2-Dibromoethane (EDB)	5.00	5.78	116	2	30	80-120	
1,2-Dichloroethane	5.00	6.10	122	1	30	69-122	
1,2-Dichloropropane	5.00	6.07	121	2	30	80-120	FH
2-Butanone (MEK)	62.6	86.5	138	11	30	59-141	
2-Hexanone	62.6	84.0	134	13	30	52-140	
4-Methyl-2-pentanone (MIBK)	62.6	86.4	138	13	30	55-140	
Acetone	62.6	75.4	121	2	30	60-146	
Benzene	5.00	5.83	116	1	30	80-120	
Bromochloromethane	5.00	6.07	121	0	30	80-133	
Bromodichloromethane	5.00	6.10	122	2	30	80-123	
Bromoform	5.00	5.88	118	2	30	75-126	
Bromomethane	5.00	3.64	73	7	30	63-120	
Carbon disulfide	5.00	5.73	114	0	30	67-130	
Carbon tetrachloride	5.00	6.55	131	0	30	64-141	
Chlorobenzene	5.00	5.67	113	3	30	80-120	
Chloroethane	5.00	6.20	124	5	30	63-120	FH
Chloroform	5.00	6.23	121	2	30	80-120	FH
Chloromethane	5.00	5.52	106	4	30	80-120	
cis-1,2-Dichloroethene	5.00	7.94	118	1	30	80-122	
cis-1,3-Dichloropropene	5.00	5.36	107	1	30	67-121	
Dibromochloromethane	5.00	5.93	119	1	30	80-123	
Ethylbenzene	5.00	5.92	118	1	30	80-120	
Methyl tert-butyl ether	5.00	5.36	107	0	30	69-120	
Methylene Chloride	5.00	5.87	117	3	30	80-120	
Styrene	5.00	6.17	123	1	30	80-120	FH
Tetrachloroethene	5.00	12.5	113	0	30	80-120	
Toluene	5.00	5.85	117	2	30	80-120	
trans-1,2-Dichloroethene	5.00	5.95	119	4	30	80-122	
trans-1,3-Dichloropropene	5.00	5.62	112	1	30	61-129	
Trichloroethene	5.00	7.43	116	1	30	80-120	
Vinyl chloride	5.00	5.43	108	5	30	60-125	
Xylenes, Total	15.0	17.7	118	1	30	80-120	

Column to be used to flag recovery and RPD values

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-201498-1
Environment Testing, LLC

SDG No.: _____

Lab File ID: GD26X06.D Lab Sample ID: MB 410-589906/7

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

Instrument ID: 16334 Date Analyzed: 12/26/2024 11:18

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

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 410-589906/4	GD26X03.D	12/26/2024 10:12
	LCSD 410-589906/5	GD26X04.D	12/26/2024 10:34
HD-QC1-0/1-2	410-201498-14	GD26X07.D	12/26/2024 11:40
HD-COD-SW-6-0/1-0	410-201498-1	GD26X11.D	12/26/2024 13:09
HD-COD-SW-7-0/1-0	410-201498-2	GD26X12.D	12/26/2024 13:31
HD-COD-SW-8-0/1-0	410-201498-3	GD26X13.D	12/26/2024 13:53
HD-COD-SW-9-0/1-0	410-201498-4	GD26X14.D	12/26/2024 14:17
HD-COD-SW-13-0/1-0	410-201498-5	GD26X15.D	12/26/2024 14:39
HD-COD-SW-15-0/1-0	410-201498-6	GD26X16.D	12/26/2024 15:01
HD-COD-SW-15-0/1-0 MS MS	410-201498-6 MS	GD26X17.D	12/26/2024 15:23
HD-COD-SW-15-0/1-0 MSD MSD	410-201498-6 MSD	GD26X18.D	12/26/2024 15:45
HD-COD-SW-16-0/1-0	410-201498-7	GD26X19.D	12/26/2024 16:07
HD-COD-SW-26-0/1-0	410-201498-9	GD26X20.D	12/26/2024 16:29
HD-COD-SW-27-0/1-0	410-201498-10	GD26X21.D	12/26/2024 16:51
HD-COD-SW-28-0/1-0	410-201498-11	GD26X22.D	12/26/2024 17:13
HD-COD-SW-29-0/1-0	410-201498-12	GD26X23.D	12/26/2024 17:35
HD-COD-SW-17-0/1-0	410-201498-8	GD26X24.D	12/26/2024 17:57
HD-COD-SW-17-0/1-0 DL	410-201498-8 DL	GD26X25.D	12/26/2024 18:19
HD-QC1-0/1-1	410-201498-13	GD26X26.D	12/26/2024 18:41
HD-QC1-0/1-1 DL	410-201498-13 DL	GD26X27.D	12/26/2024 19:04

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

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-201498-1
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.: 410-201498-1

SDG No.:

Lab File ID: GD26T02.D

BFB Injection Date: 12/26/2024

Instrument ID: 16334

BFB Injection Time: 09:17

Analysis Batch No.: 589906

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	18.4
75	30.0 - 60.0 % of mass 95	49.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.8
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	Greater than 50% of mass 95	77.7
175	5.0 - 9.0 % of mass 174	6.3 (8.1) 1
176	95.0 - 101.0 % of mass 174	76.6 (98.6) 1
177	5.0 - 9.0 % of mass 176	4.9 (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 410-589906/3	GD26X02.D	12/26/2024	9:50
	LCS 410-589906/4	GD26X03.D	12/26/2024	10:12
	LCSD 410-589906/5	GD26X04.D	12/26/2024	10:34
	MB 410-589906/7	GD26X06.D	12/26/2024	11:18
HD-QC1-0/1-2	410-201498-14	GD26X07.D	12/26/2024	11:40
HD-COD-SW-6-0/1-0	410-201498-1	GD26X11.D	12/26/2024	13:09
HD-COD-SW-7-0/1-0	410-201498-2	GD26X12.D	12/26/2024	13:31
HD-COD-SW-8-0/1-0	410-201498-3	GD26X13.D	12/26/2024	13:53
HD-COD-SW-9-0/1-0	410-201498-4	GD26X14.D	12/26/2024	14:17
HD-COD-SW-13-0/1-0	410-201498-5	GD26X15.D	12/26/2024	14:39
HD-COD-SW-15-0/1-0	410-201498-6	GD26X16.D	12/26/2024	15:01
HD-COD-SW-15-0/1-0 MS MS	410-201498-6 MS	GD26X17.D	12/26/2024	15:23
HD-COD-SW-15-0/1-0 MSD MSD	410-201498-6 MSD	GD26X18.D	12/26/2024	15:45
HD-COD-SW-16-0/1-0	410-201498-7	GD26X19.D	12/26/2024	16:07
HD-COD-SW-26-0/1-0	410-201498-9	GD26X20.D	12/26/2024	16:29
HD-COD-SW-27-0/1-0	410-201498-10	GD26X21.D	12/26/2024	16:51
HD-COD-SW-28-0/1-0	410-201498-11	GD26X22.D	12/26/2024	17:13
HD-COD-SW-29-0/1-0	410-201498-12	GD26X23.D	12/26/2024	17:35
HD-COD-SW-17-0/1-0	410-201498-8	GD26X24.D	12/26/2024	17:57
HD-COD-SW-17-0/1-0 DL	410-201498-8 DL	GD26X25.D	12/26/2024	18:19
HD-QC1-0/1-1	410-201498-13	GD26X26.D	12/26/2024	18:41
HD-QC1-0/1-1 DL	410-201498-13 DL	GD26X27.D	12/26/2024	19:04

FORM VIII

Job No.: 410-201498-1

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

		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 410-589906/3		87429	3.62	1964356	7.05	1471658	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.: 410-201498-1

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 410-589906/3		789597	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.: 410-201498-1
Environment Testing, LLC

SDG No.: _____

Sample No.: CCVIS 410-589906/3 Date Analyzed: 12/26/2024 09:50

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

Lab File ID (Standard): GD26X02.D Heated Purge: (Y/N) N

Calibration ID: 67963

	TBA _{d10}		FB		CBZ _{d5}	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD	87429	3.62	1964356	7.05	1471658	10.71
UPPER LIMIT	174858	4.12	3928712	7.55	2943316	11.21
LOWER LIMIT	43715	3.12	982178	6.55	735829	10.21
LAB SAMPLE ID	CLIENT SAMPLE ID					
LCS 410-589906/4		84259	3.61	1908929	7.04	1419353 10.71
LCSD 410-589906/5		83237	3.61	1887830	7.05	1395880 10.71
MB 410-589906/7		87671	3.59	1925103	7.05	1435870 10.71
410-201498-14	HD-QC1-0/1-2	85019	3.61	1946329	7.05	1442831 10.71
410-201498-1	HD-COD-SW-6-0/1-0	69766	3.61	1752043	7.05	1309103 10.71
410-201498-2	HD-COD-SW-7-0/1-0	70968	3.61	1796485	7.05	1333889 10.71
410-201498-3	HD-COD-SW-8-0/1-0	71692	3.61	1721959	7.05	1281816 10.71
410-201498-4	HD-COD-SW-9-0/1-0	69139	3.63	1740269	7.05	1303974 10.71
410-201498-5	HD-COD-SW-13-0/1-0	68063	3.61	1668183	7.05	1238654 10.71
410-201498-6	HD-COD-SW-15-0/1-0	65203	3.62	1701423	7.05	1269568 10.71
410-201498-6 MS	HD-COD-SW-15-0/1-0 MS MS	75833	3.60	1864337	7.05	1371980 10.71
410-201498-6 MSD	HD-COD-SW-15-0/1-0 MSD MSD	68077	3.61	1909088	7.06	1414638 10.71
410-201498-7	HD-COD-SW-16-0/1-0	69848	3.62	1707811	7.05	1266058 10.71
410-201498-9	HD-COD-SW-26-0/1-0	72443	3.61	1703156	7.04	1260860 10.71
410-201498-10	HD-COD-SW-27-0/1-0	69562	3.63	1776382	7.05	1312596 10.71
410-201498-11	HD-COD-SW-28-0/1-0	67081	3.61	1660019	7.05	1245211 10.71
410-201498-12	HD-COD-SW-29-0/1-0	69236	3.64	1799859	7.05	1318490 10.71
410-201498-8	HD-COD-SW-17-0/1-0	80900	3.62	1888990	7.05	1425998 10.71
410-201498-8 DL	HD-COD-SW-17-0/1-0 DL	70709	3.61	1713667	7.05	1297465 10.71
410-201498-13	HD-QC1-0/1-1	75841	3.61	1750489	7.05	1320297 10.71
410-201498-13 DL	HD-QC1-0/1-1 DL	73125	3.64	1713156	7.06	1273885 10.71

TBA_{d10} = t-Butyl alcohol-d₁₀ (IS)

TBA_{d10} = t-Butyl alcohol-d₁₀ (IS)

FB = Fluorobenzene (IS)

Area Limit = 50%-200% of internal standard area

RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-201498-1
Environment Testing, LLC

SDG No.: _____

Sample No.: CCVIS 410-589906/3 Date Analyzed: 12/26/2024 09:50

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

Lab File ID (Standard): GD26X02.D Heated Purge: (Y/N) N

Calibration ID: 67963

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
12/24 HOUR STD		789597	12.64				
UPPER LIMIT		1579194	13.14				
LOWER LIMIT		394799	12.14				
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-589906/4		765213	12.64				
LCSD 410-589906/5		745303	12.63				
MB 410-589906/7		740096	12.64				
410-201498-14	HD-QC1-0/1-2	740176	12.64				
410-201498-1	HD-COD-SW-6-0/1-0	669631	12.63				
410-201498-2	HD-COD-SW-7-0/1-0	686185	12.63				
410-201498-3	HD-COD-SW-8-0/1-0	652685	12.63				
410-201498-4	HD-COD-SW-9-0/1-0	667773	12.63				
410-201498-5	HD-COD-SW-13-0/1-0	634161	12.63				
410-201498-6	HD-COD-SW-15-0/1-0	648532	12.63				
410-201498-6 MS	HD-COD-SW-15-0/1-0 MS MS	749144	12.63				
410-201498-6 MSD	HD-COD-SW-15-0/1-0 MSD MSD	767549	12.63				
410-201498-7	HD-COD-SW-16-0/1-0	651906	12.63				
410-201498-9	HD-COD-SW-26-0/1-0	649658	12.63				
410-201498-10	HD-COD-SW-27-0/1-0	682581	12.63				
410-201498-11	HD-COD-SW-28-0/1-0	636999	12.63				
410-201498-12	HD-COD-SW-29-0/1-0	679529	12.63				
410-201498-8	HD-COD-SW-17-0/1-0	721370	12.63				
410-201498-8 DL	HD-COD-SW-17-0/1-0 DL	655408	12.63				
410-201498-13	HD-QC1-0/1-1	662307	12.63				
410-201498-13 DL	HD-QC1-0/1-1 DL	650751	12.63				

DCBd4 = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-201498-1

SDG No.:

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

Lab Sample ID: 410-201498-1

Matrix: Water

Lab File ID: GD26X11.D

Analysis Method: 8260D

Date Collected: 12/18/2024 10:00

Sample wt/vol: 25 (mL)

Date Analyzed: 12/26/2024 13:09

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 589906

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.: 410-201498-1
SDG No.:	
Client Sample ID: HD-COD-SW-6-0/1-0	Lab Sample ID: 410-201498-1
Matrix: Water	Lab File ID: GD26X11.D
Analysis Method: 8260D	Date Collected: 12/18/2024 10:00
Sample wt/vol: 25 (mL)	Date Analyzed: 12/26/2024 13:09
Soil Aliquot Vol:	Dilution Factor: 1
Soil Extract Vol.:	GC Column: R-624SilMS 30m ID: 0.25 (mm)
Purge Volume: 25.0 (mL)	Heated Purge: (Y/N) N pH:
% Moisture: % Solids:	Level: (low/med) Low
Analysis Batch No.: 589906	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)	103		80-120
460-00-4	4-Bromofluorobenzene (Surr)	90		80-120
1868-53-7	Dibromofluoromethane (Surr)	104		80-120
2037-26-5	Toluene-d8 (Surr)	96		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X11.D
 Lims ID: 410-201498-A-1
 Client ID: HD-COD-SW-6-0/1-0
 Sample Type: Client
 Inject. Date: 26-Dec-2024 13:09:30 ALS Bottle#: 11 Worklist Smp#: 12
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0134250-012
 Operator ID: ecr105096 Instrument ID: 16334
 Method: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\MSV_16334_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 27-Dec-2024 09:39:39 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: CTX1647

First Level Reviewer: FQ4L

Date: 27-Dec-2024 09:39:39

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50		1.886				ND	U
6 Vinyl chloride	62		1.989				ND	7
9 Bromomethane	94		2.282				ND	
10 Chloroethane	64		2.312				ND	
18 1,1-Dichloroethene	96		3.026				ND	
19 Acetone	43	3.068	3.056	0.012	53	5446	1.36	
24 Carbon disulfide	76	3.282	3.282	0.000	95	6250	0.0431	
29 Methylene Chloride	84		3.587				ND	
* 30 t-Butyl alcohol-d10 (IS)	65	3.611	3.617	-0.006	22	69766	50.0	
33 Methyl tert-butyl ether	73		3.934				ND	
34 trans-1,2-Dichloroethene	96		3.934				ND	
37 1,1-Dichloroethane	63		4.562				ND	
41 2-Butanone (MEK)	43		5.397				ND	
42 cis-1,2-Dichloroethene	96	5.421	5.422	-0.001	80	3596	0.0708	
49 Chlorobromomethane	128		5.757				ND	
51 Chloroform	83	5.921	5.921	0.000	83	5801	0.0703	
\$ 52 Dibromofluoromethane (Surr)	113	6.135	6.141	-0.006	93	429464	10.4	
53 1,1,1-Trichloroethane	97		6.147				ND	
55 Carbon tetrachloride	117		6.360				ND	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.598	6.598	0.000	66	81109	10.3	
60 Benzene	78		6.629				ND	7
61 1,2-Dichloroethane	62		6.702				ND	
* 64 Fluorobenzene (IS)	96	7.049	7.049	0.000	99	1752043	10.0	
68 Trichloroethene	95	7.549	7.543	0.006	95	7302	0.1461	a
70 1,2-Dichloropropane	63		7.872				ND	
76 Dichlorobromomethane	83		8.232				ND	7
81 cis-1,3-Dichloropropene	75		8.805				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.012				ND	
\$ 83 Toluene-d8 (Surr)	98	9.140	9.140	0.000	94	1735915	9.55	
84 Toluene	92	9.232	9.226	0.006	98	8870	0.0703	
85 trans-1,3-Dichloropropene	75		9.524				ND	
107 1,1,2-Trichloroethane	97		9.744				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
108 Tetrachloroethene	166	9.829	9.829	0.000	85	1927	0.0339	
110 2-Hexanone	43		9.988				ND	
112 Chlorodibromomethane	129		10.140				ND	
113 Ethylene Dibromide	107		10.250				ND	
* 114 Chlorobenzene-d5 (IS)	117	10.707	10.707	0.000	86	1309103	10.0	
116 Chlorobenzene	112		10.738				ND	
117 1,1,1,2-Tetrachloroethane	131		10.823				ND	
118 Ethylbenzene	91		10.835				ND	7
120 m-Xylene & p-Xylene	106	10.951	10.951	0.000	98	6819	0.0720	
S 119 Xylenes, Total	106				0		0.1127	
121 o-Xylene	106	11.304	11.292	0.012	93	3678	0.0407	
122 Styrene	104		11.311				ND	
123 Bromoform	173		11.463				ND	
\$ 127 4-Bromofluorobenzene (Surr)	95	11.743	11.743	0.000	90	562924	8.97	
128 1,1,2,2-Tetrachloroethane	83		11.859				ND	
* 142 1,4-Dichlorobenzene-d4	152	12.633	12.640	-0.007	95	669631	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_00058

Amount Added: 1.20

Units: uL

Run Reagent

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X11.D

Injection Date: 26-Dec-2024 13:09:30

Instrument ID: 16334

Operator ID: ecr105096

Lims ID: 410-201498-A-1

Lab Sample ID: 410-201498-1

Worklist Smp#: 12

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

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

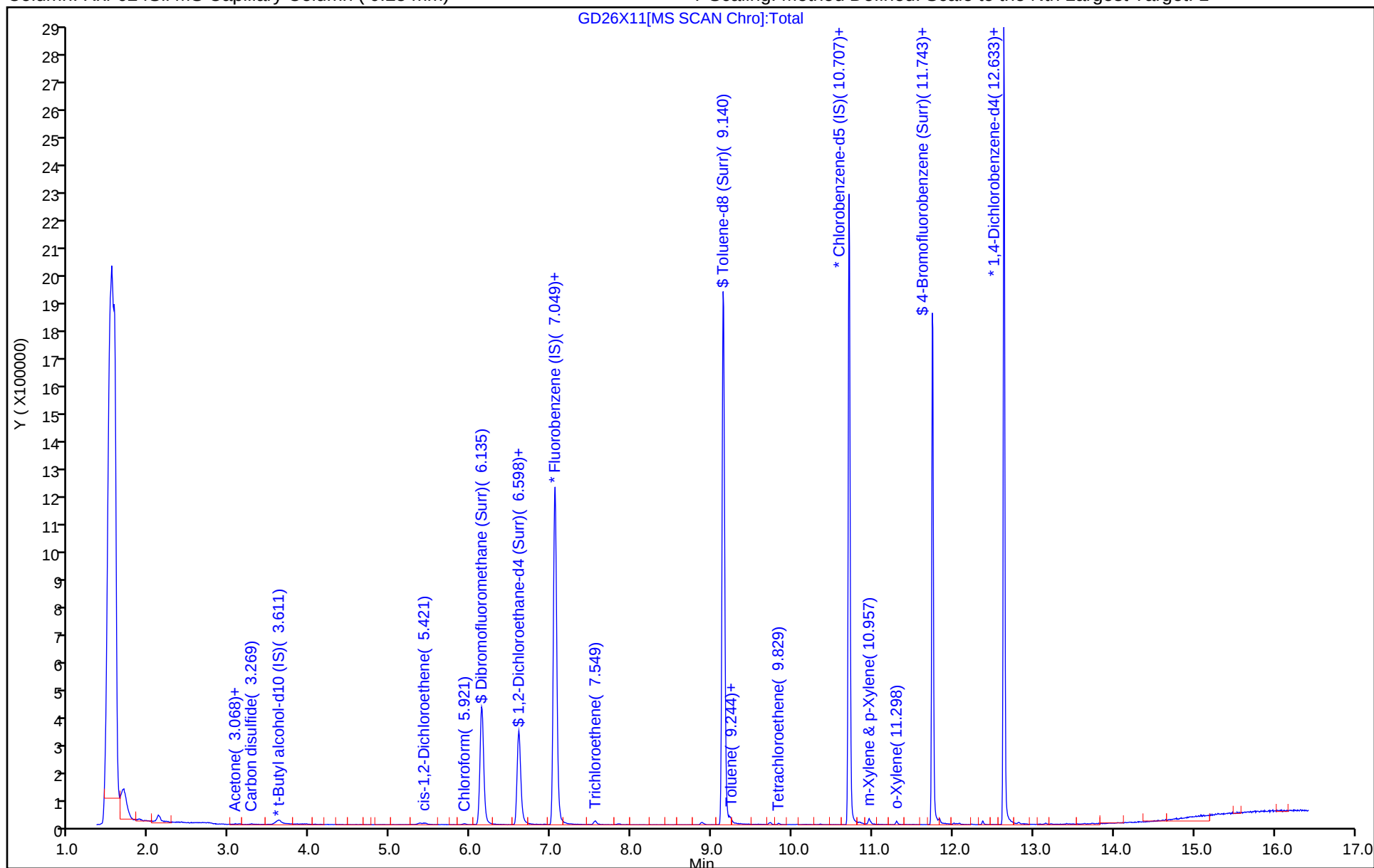
ALS Bottle#: 11

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

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



Eurofins Lancaster Laboratories Environment Testing, LLC
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X11.D
Lims ID: 410-201498-A-1
Client ID: HD-COD-SW-6-0/1-0
Sample Type: Client
Inject. Date: 26-Dec-2024 13:09:30 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0134250-012
Operator ID: ecr105096 Instrument ID: 16334
Method: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 27-Dec-2024 09:39:39 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: CTX1647

First Level Reviewer: FQ4L

Date: 27-Dec-2024 09:39:39

Compound	Amount Added	Amount Recovered	% Rec.
\$ 52 Dibromofluoromethane (Surr)	10.0	10.4	103.89
\$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.3	102.85
\$ 83 Toluene-d8 (Surr)	10.0	9.55	95.54
\$ 127 4-Bromofluorobenzene (Surr)	10.0	8.97	89.71

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X11.D

Injection Date: 26-Dec-2024 13:09:30

Instrument ID: 16334

Lims ID: 410-201498-A-1

Lab Sample ID: 410-201498-1

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

Operator ID: ecr105096

ALS Bottle#: 11

Worklist Smp#: 12

Purge Vol: 25.000 mL

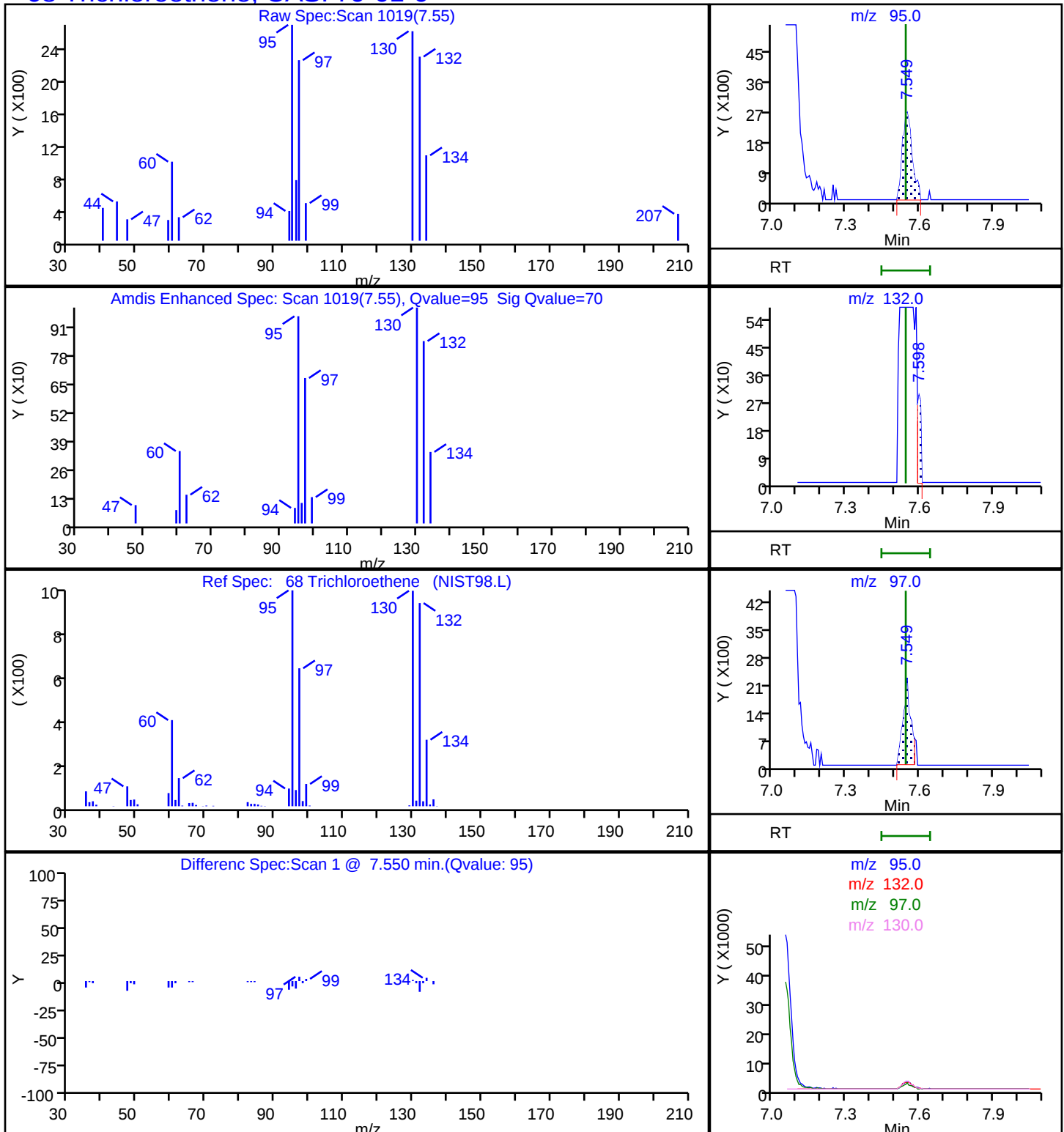
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

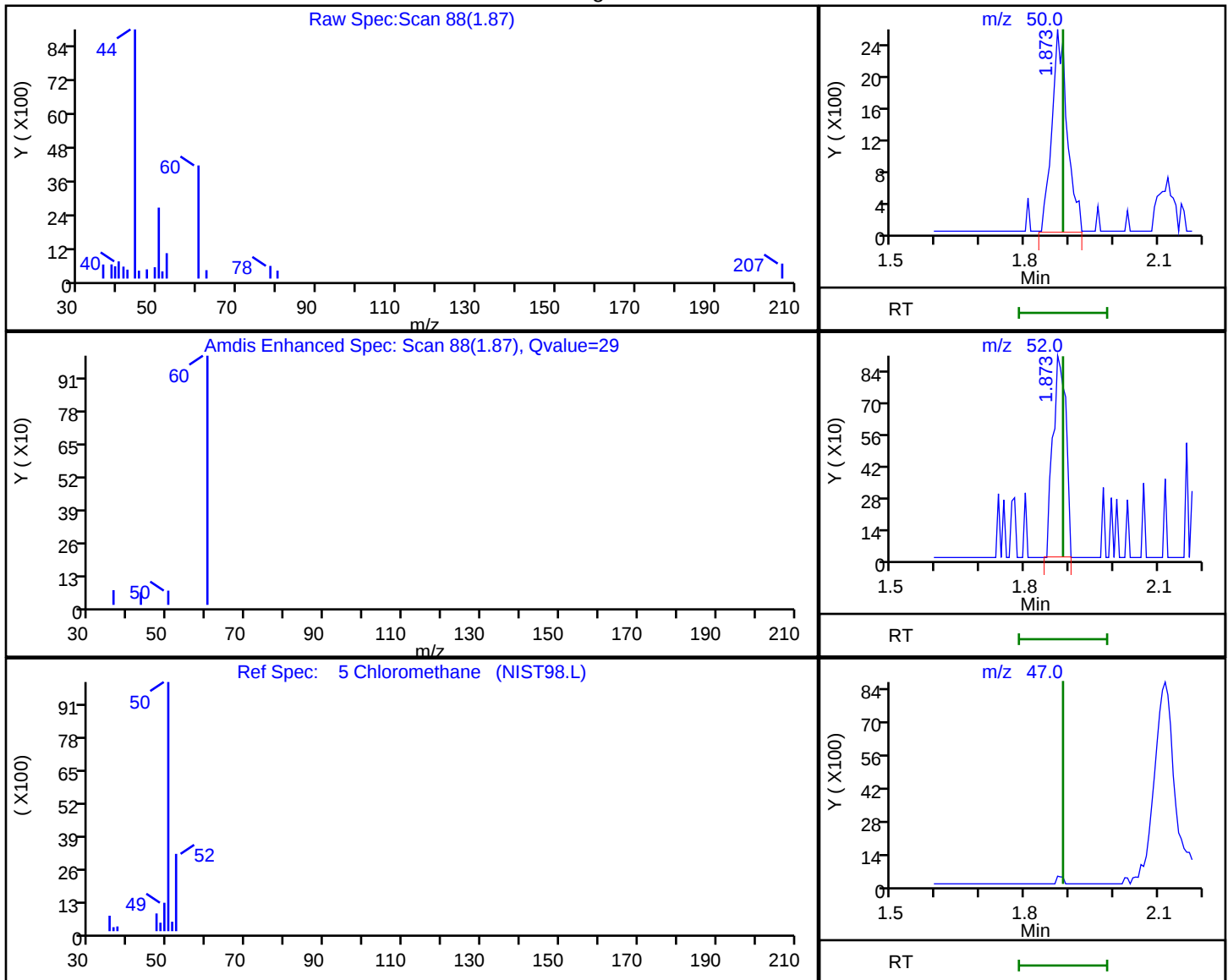
68 Trichloroethene, CAS: 79-01-6

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X11.D
Injection Date: 26-Dec-2024 13:09:30 Instrument ID: 16334
Lims ID: 410-201498-A-1 Lab Sample ID: 410-201498-1
Client ID: HD-COD-SW-6-0/1-0
Operator ID: ecr105096 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 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

Processing Results



RT	Mass	Response	Amount
1.87	50.00	6082	0.090451
1.87	52.00	1856	
1.89	47.00	0	

Reviewer: FQ4L, 27-Dec-2024 09:39:13 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

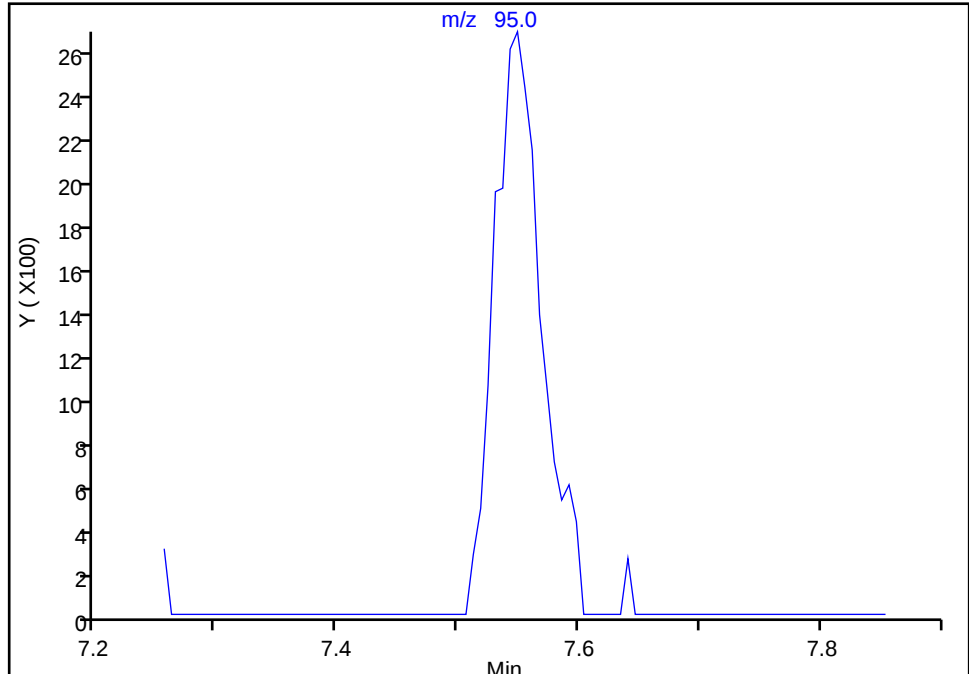
Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X11.D
Injection Date: 26-Dec-2024 13:09:30 Instrument ID: 16334
Lims ID: 410-201498-A-1 Lab Sample ID: 410-201498-1
Client ID: HD-COD-SW-6-0/1-0
Operator ID: ecr105096 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 25.000 mL Dil. Factor: 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

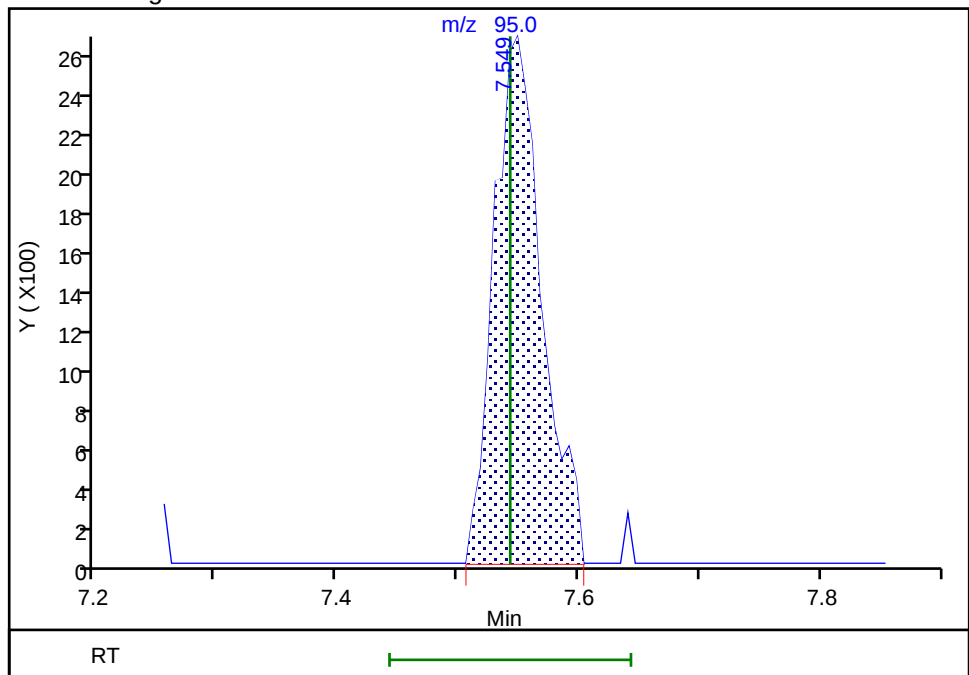
Not Detected
Expected RT: 7.54

Processing Integration Results



RT: 7.55
Area: 7302
Amount: 0.146102
Amount Units: ug/l

Manual Integration Results



Reviewer: FQ4L, 27-Dec-2024 09:39:26 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.: 410-201498-1

SDG No.:

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

Lab Sample ID: 410-201498-2

Matrix: Water

Lab File ID: GD26X12.D

Analysis Method: 8260D

Date Collected: 12/18/2024 11:15

Sample wt/vol: 25 (mL)

Date Analyzed: 12/26/2024 13:31

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 589906

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	1.9	J	5.0	1.5
71-43-2	Benzene	ND		0.50	0.10
74-97-5	Bromochloromethane	ND		0.50	0.080
75-27-4	Bromodichloromethane	ND		0.50	0.080
75-25-2	Bromoform	ND		1.0	0.30
74-83-9	Bromomethane	ND		0.50	0.10
75-15-0	Carbon disulfide	ND		1.0	0.10
56-23-5	Carbon tetrachloride	ND		0.50	0.10
108-90-7	Chlorobenzene	ND		0.50	0.070
75-00-3	Chloroethane	ND		0.50	0.10
67-66-3	Chloroform	0.14	J	0.50	0.090
74-87-3	Chloromethane	0.11	J	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	ND		0.50	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-201498-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: HD-COD-SW-7-0/1-0 Lab Sample ID: 410-201498-2

Matrix: Water Lab File ID: GD26X12.D

Analysis Method: 8260D Date Collected: 12/18/2024 11:15

Sample wt/vol: 25 (mL) Date Analyzed: 12/26/2024 13:31

Soil Aliquot Vol: _____ Dilution Factor: 1

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

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

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

Analysis Batch No.: 589906 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)	103		80-120
460-00-4	4-Bromofluorobenzene (Surr)	91		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\16334\20241226-134250.b\GD26X12.D
 Lims ID: 410-201498-A-2
 Client ID: HD-COD-SW-7-0/1-0
 Sample Type: Client
 Inject. Date: 26-Dec-2024 13:31:30 ALS Bottle#: 12 Worklist Smp#: 13
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0134250-013
 Operator ID: ecr105096 Instrument ID: 16334
 Method: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\MSV_16334_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 27-Dec-2024 09:40:20 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: CTX1647

First Level Reviewer: FQ4L

Date: 27-Dec-2024 09:40:20

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50	1.879	1.886	-0.007	98	7597	0.1102	
6 Vinyl chloride	62		1.989				ND	7
9 Bromomethane	94		2.282				ND	7
10 Chloroethane	64		2.312				ND	
18 1,1-Dichloroethene	96		3.026				ND	
19 Acetone	43	3.074	3.056	0.018	87	7801	1.92	
24 Carbon disulfide	76	3.282	3.282	0.000	97	10306	0.0694	
29 Methylene Chloride	84		3.587				ND	
* 30 t-Butyl alcohol-d10 (IS)	65	3.605	3.617	-0.012	24	70968	50.0	
33 Methyl tert-butyl ether	73		3.934				ND	
34 trans-1,2-Dichloroethene	96		3.934				ND	
37 1,1-Dichloroethane	63		4.562				ND	
41 2-Butanone (MEK)	43		5.397				ND	
42 cis-1,2-Dichloroethene	96	5.440	5.422	0.018	38	8833	0.1696	a
49 Chlorobromomethane	128		5.757				ND	
51 Chloroform	83	5.927	5.921	0.006	93	11701	0.1383	
\$ 52 Dibromofluoromethane (Surr)	113	6.141	6.141	0.000	93	444997	10.5	
53 1,1,1-Trichloroethane	97		6.147				ND	
55 Carbon tetrachloride	117		6.360				ND	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.604	6.598	0.006	66	82902	10.3	
60 Benzene	78		6.629				ND	7
61 1,2-Dichloroethane	62		6.702				ND	
* 64 Fluorobenzene (IS)	96	7.049	7.049	0.000	99	1796485	10.0	
68 Trichloroethene	95	7.537	7.543	-0.006	98	19188	0.3744	Ma
70 1,2-Dichloropropane	63		7.872				ND	
76 Dichlorobromomethane	83		8.232				ND	
81 cis-1,3-Dichloropropene	75		8.805				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.012				ND	
\$ 83 Toluene-d8 (Surr)	98	9.146	9.140	0.006	94	1806398	9.76	
84 Toluene	92	9.232	9.226	0.006	98	6749	0.0525	
85 trans-1,3-Dichloropropene	75		9.524				ND	
107 1,1,2-Trichloroethane	97		9.744				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
108 Tetrachloroethene	166	9.829	9.829	0.000	86	5492	0.0947	
110 2-Hexanone	43		9.988				ND	
112 Chlorodibromomethane	129		10.140				ND	
113 Ethylene Dibromide	107		10.250				ND	
* 114 Chlorobenzene-d5 (IS)	117	10.707	10.707	0.000	86	1333889	10.0	
116 Chlorobenzene	112		10.738				ND	
117 1,1,1,2-Tetrachloroethane	131		10.823				ND	
118 Ethylbenzene	91		10.835				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		11.311				ND	
123 Bromoform	173		11.463				ND	
\$ 127 4-Bromofluorobenzene (Surr)	95	11.743	11.743	0.000	90	584113	9.14	
128 1,1,2,2-Tetrachloroethane	83		11.859				ND	
* 142 1,4-Dichlorobenzene-d4	152	12.633	12.640	-0.007	96	686185	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_00058

Amount Added: 1.20

Units: uL

Run Reagent

Report Date: 27-Dec-2024 09:40:20

Chrom Revision: 2.3 17-Dec-2024 12:44:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X12.D

Injection Date: 26-Dec-2024 13:31:30

Instrument ID: 16334

Operator ID: ecr105096

Lims ID: 410-201498-A-2

Lab Sample ID: 410-201498-2

Worklist Smp#: 13

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

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

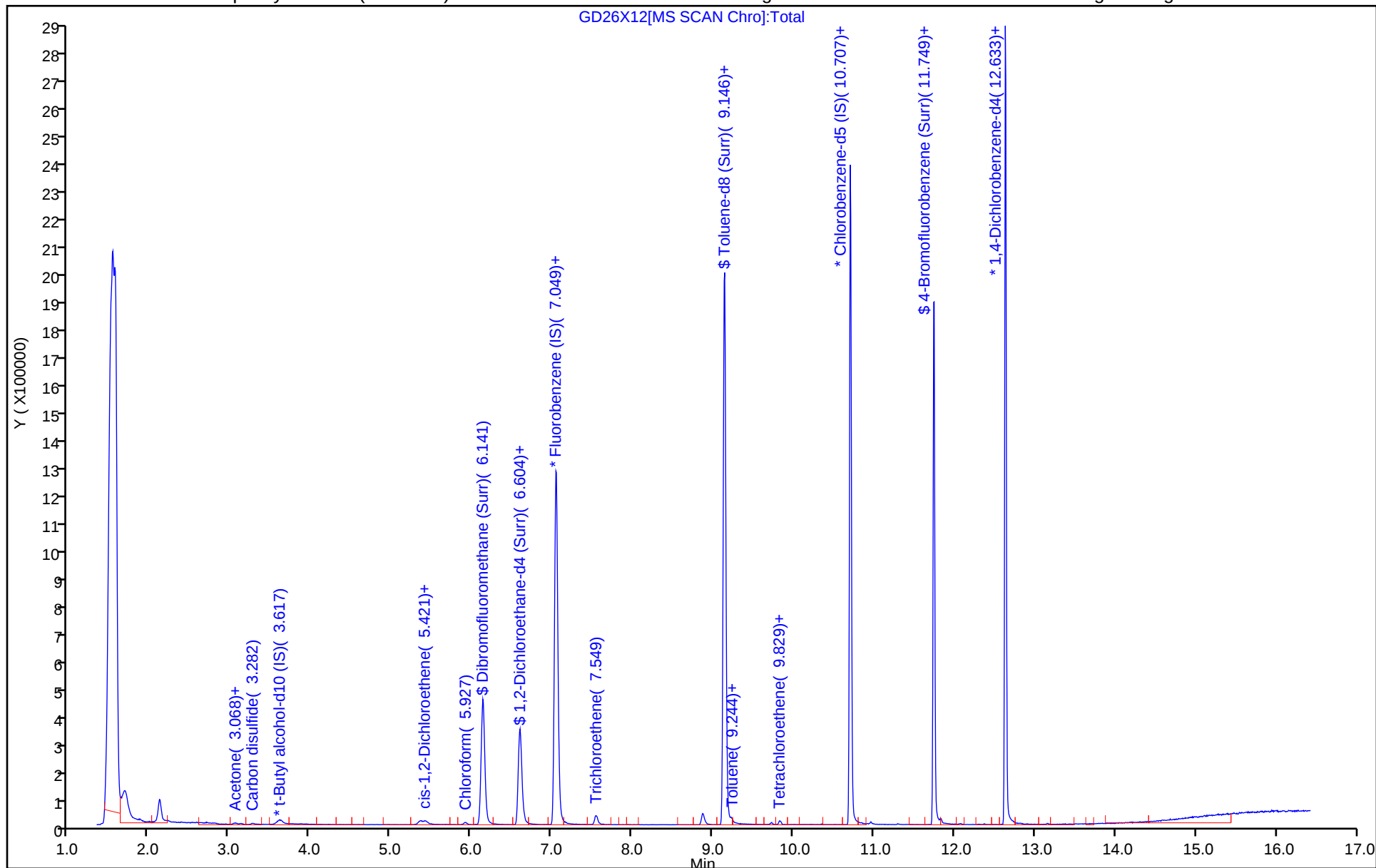
ALS Bottle#: 12

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

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



Eurofins Lancaster Laboratories Environment Testing, LLC
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X12.D
Lims ID: 410-201498-A-2
Client ID: HD-COD-SW-7-0/1-0
Sample Type: Client
Inject. Date: 26-Dec-2024 13:31:30 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0134250-013
Operator ID: ecr105096 Instrument ID: 16334
Method: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 27-Dec-2024 09:40:20 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: CTX1647

First Level Reviewer: FQ4L

Date: 27-Dec-2024 09:40:20

Compound	Amount Added	Amount Recovered	% Rec.
\$ 52 Dibromofluoromethane (Surr)	10.0	10.5	104.99
\$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.3	102.52
\$ 83 Toluene-d8 (Surr)	10.0	9.76	97.57
\$ 127 4-Bromofluorobenzene (Surr)	10.0	9.14	91.36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X12.D

Injection Date: 26-Dec-2024 13:31:30

Instrument ID: 16334

Lims ID: 410-201498-A-2

Lab Sample ID: 410-201498-2

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

Operator ID: ecr105096

ALS Bottle#: 12

Worklist Smp#: 13

Purge Vol: 25.000 mL

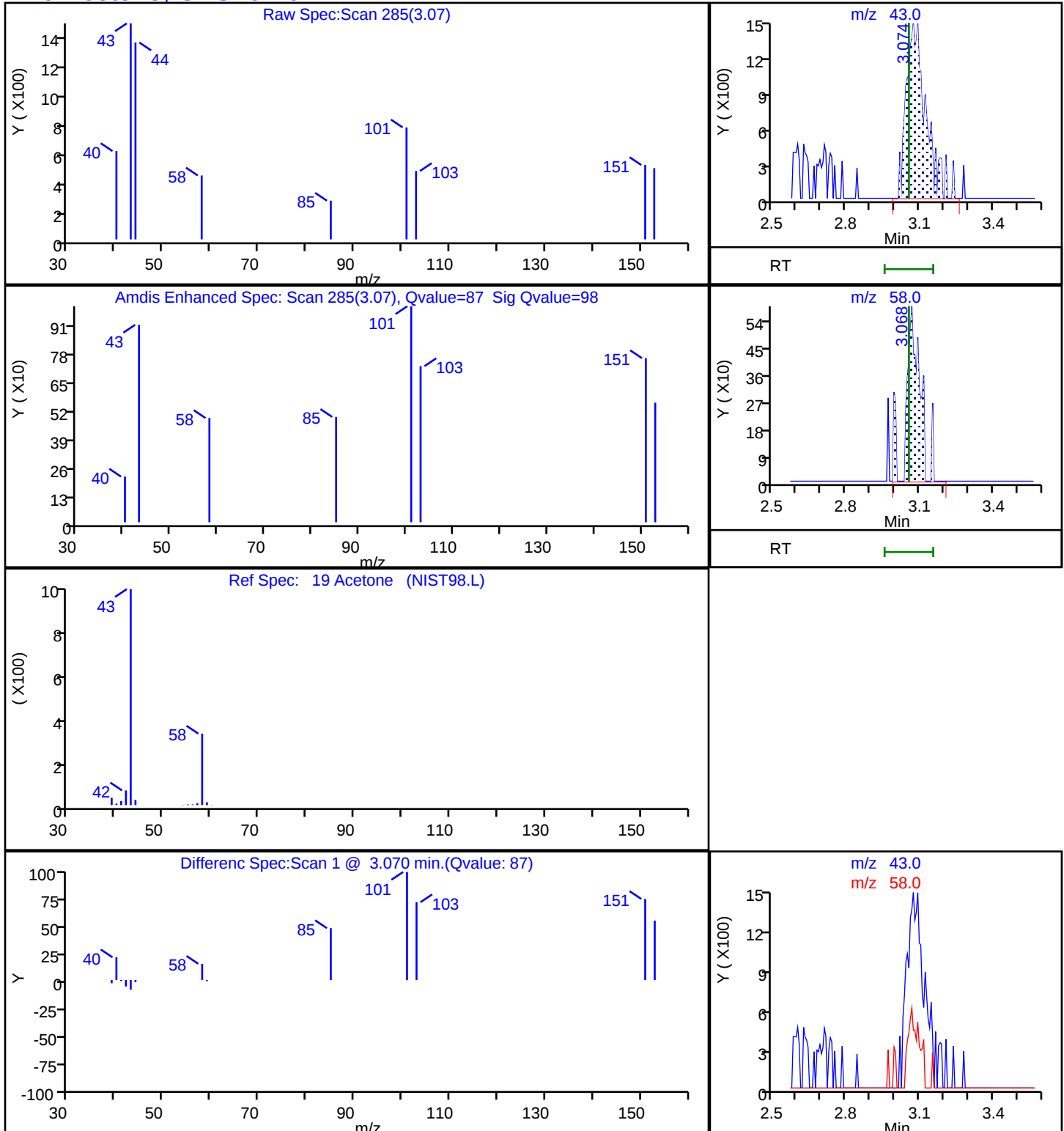
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

19 Acetone, CAS: 67-64-1

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X12.D

Injection Date: 26-Dec-2024 13:31:30

Instrument ID: 16334

Lims ID: 410-201498-A-2

Lab Sample ID: 410-201498-2

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

Operator ID: ecr105096

ALS Bottle#: 12

Worklist Smp#: 13

Purge Vol: 25.000 mL

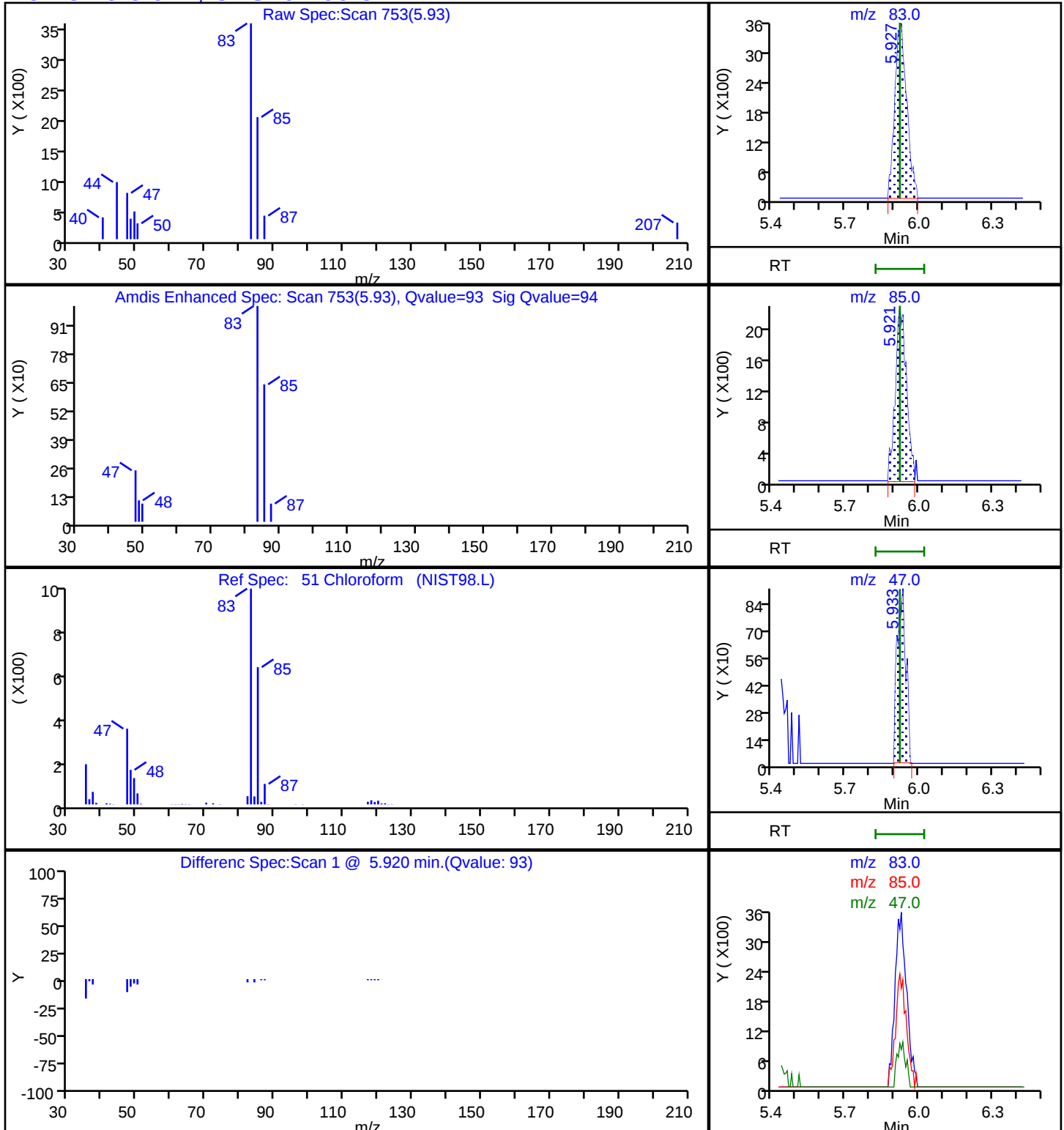
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

51 Chloroform, CAS: 67-66-3

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X12.D

Injection Date: 26-Dec-2024 13:31:30

Instrument ID: 16334

Lims ID: 410-201498-A-2

Lab Sample ID: 410-201498-2

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

Operator ID: ecr105096

ALS Bottle#: 12

Worklist Smp#: 13

Purge Vol: 25.000 mL

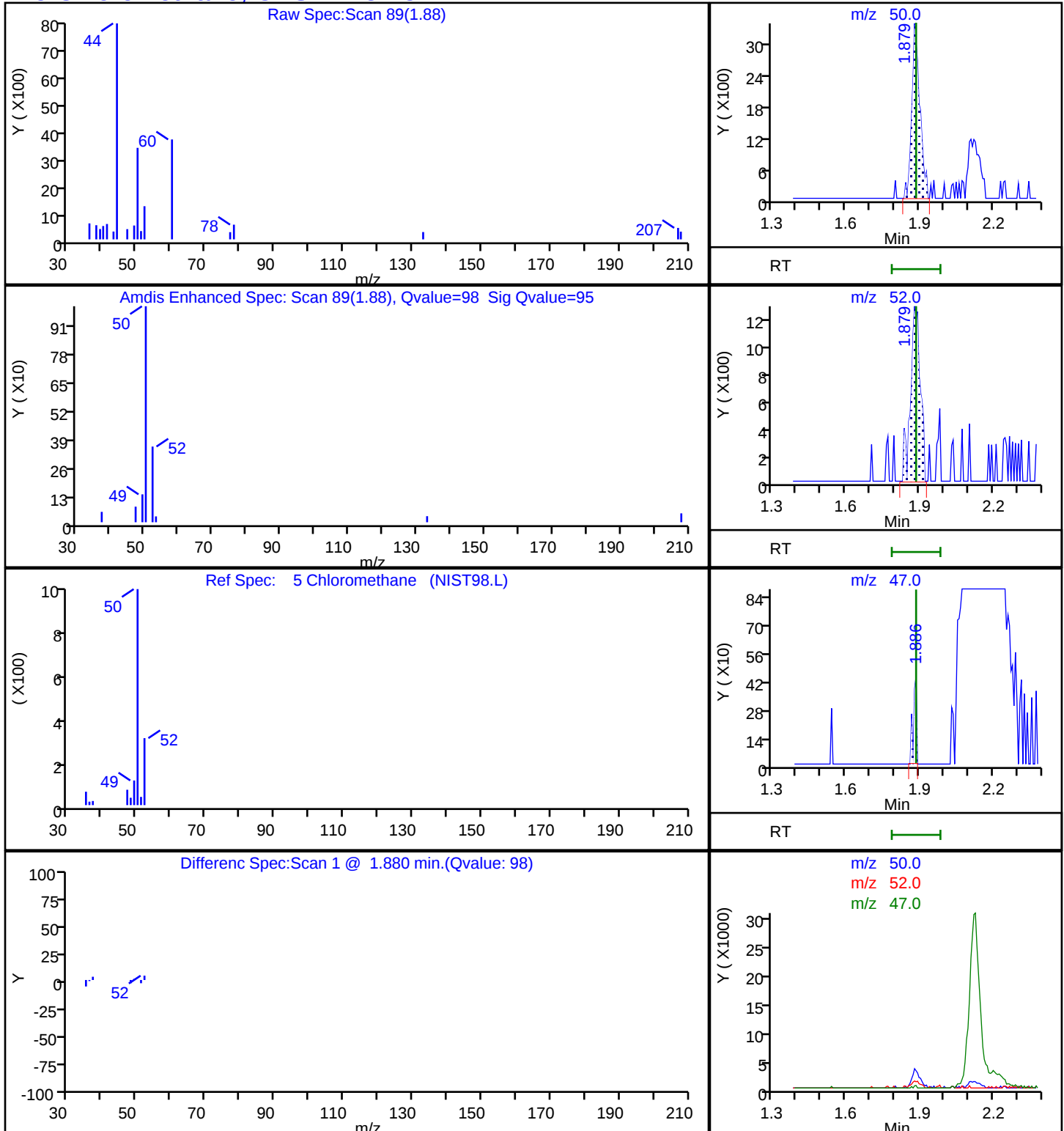
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

5 Chloromethane, CAS: 74-87-3

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X12.D

Injection Date: 26-Dec-2024 13:31:30

Instrument ID: 16334

Lims ID: 410-201498-A-2

Lab Sample ID: 410-201498-2

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

Operator ID: ecr105096

ALS Bottle#: 12

Worklist Smp#: 13

Purge Vol: 25.000 mL

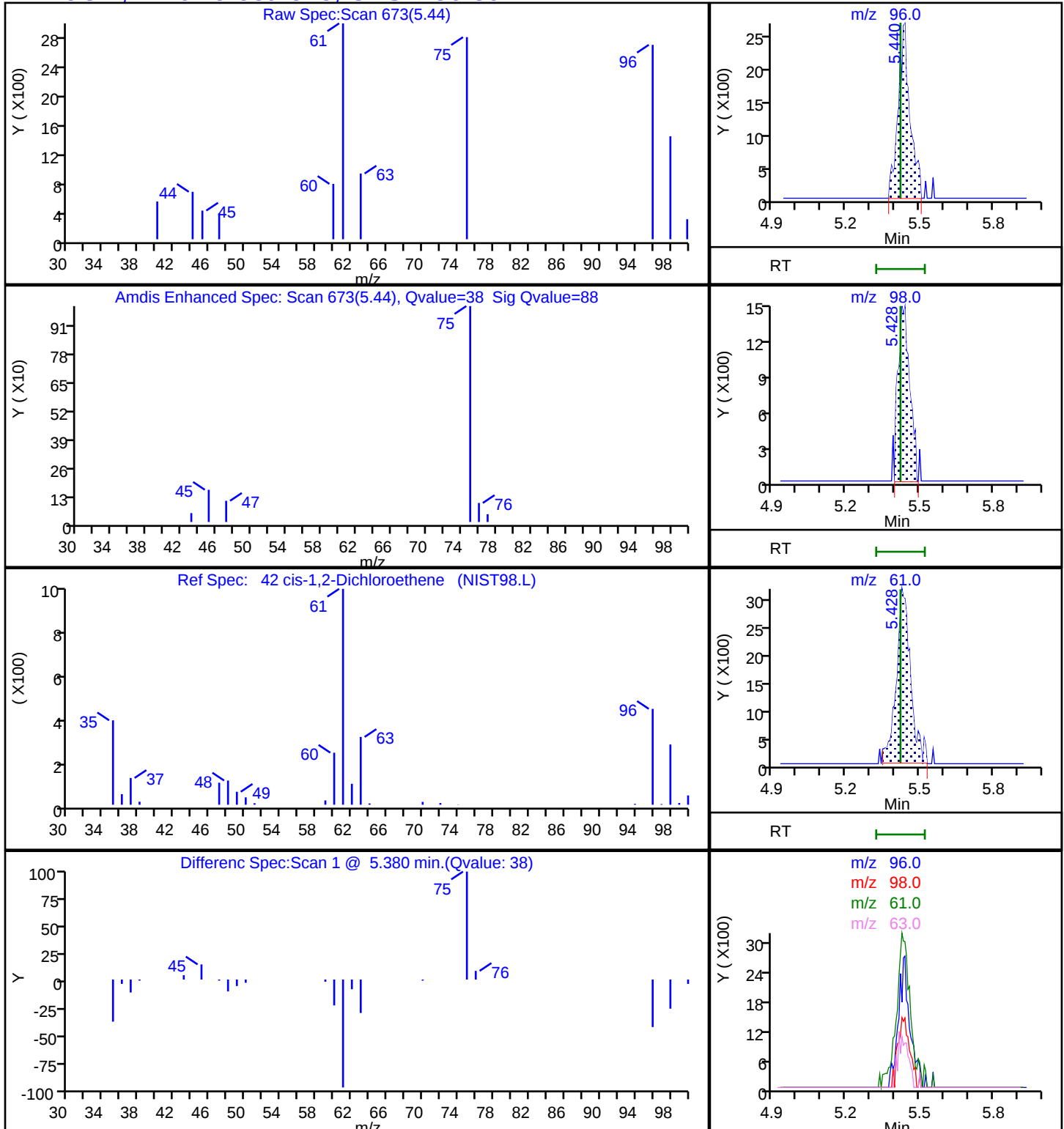
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

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

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X12.D

Injection Date: 26-Dec-2024 13:31:30

Instrument ID: 16334

Lims ID: 410-201498-A-2

Lab Sample ID: 410-201498-2

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

Operator ID: ecr105096

ALS Bottle#: 12

Worklist Smp#: 13

Purge Vol: 25.000 mL

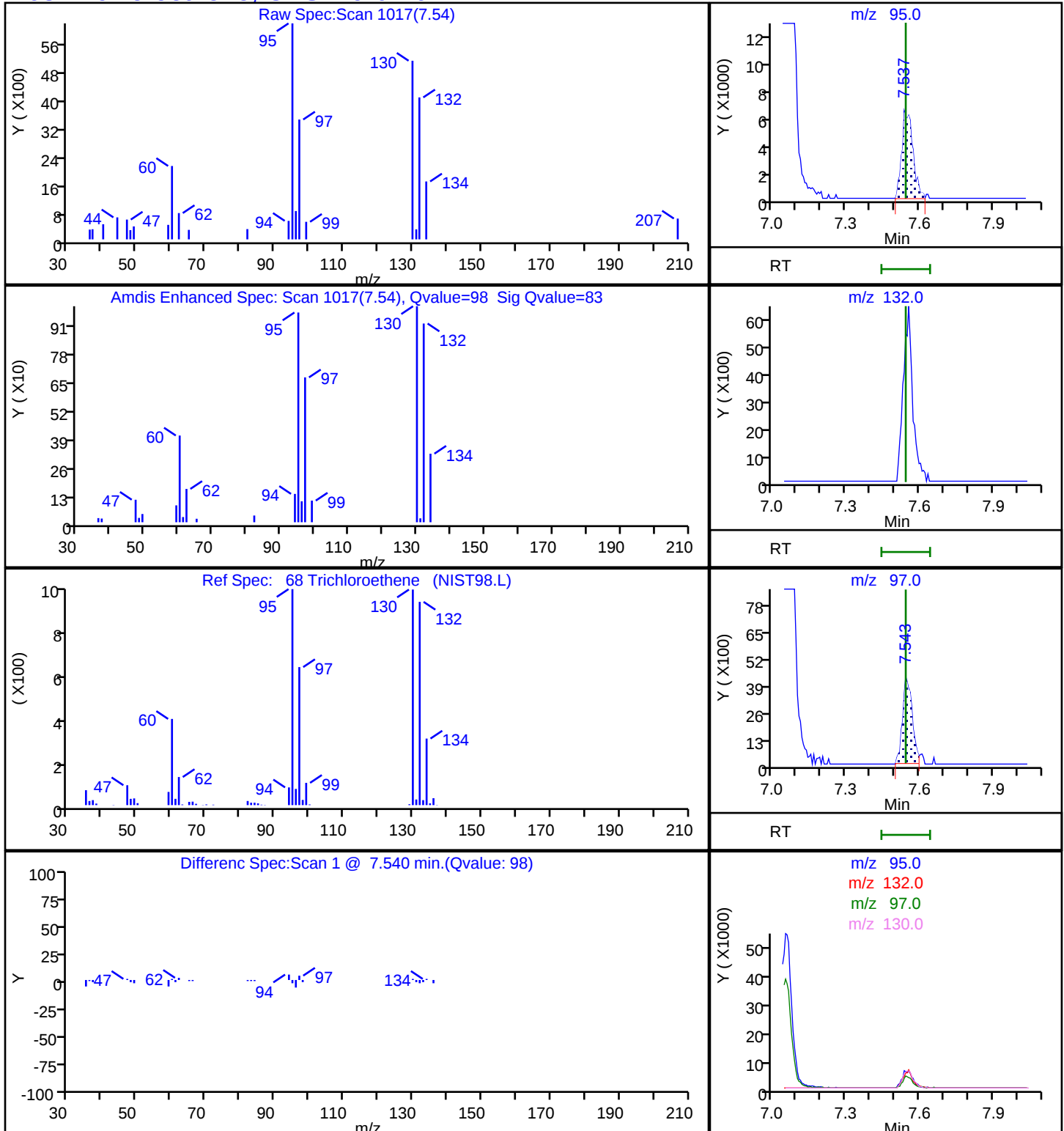
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

68 Trichloroethene, CAS: 79-01-6

Eurofins Lancaster Laboratories Environment Testing, LLC

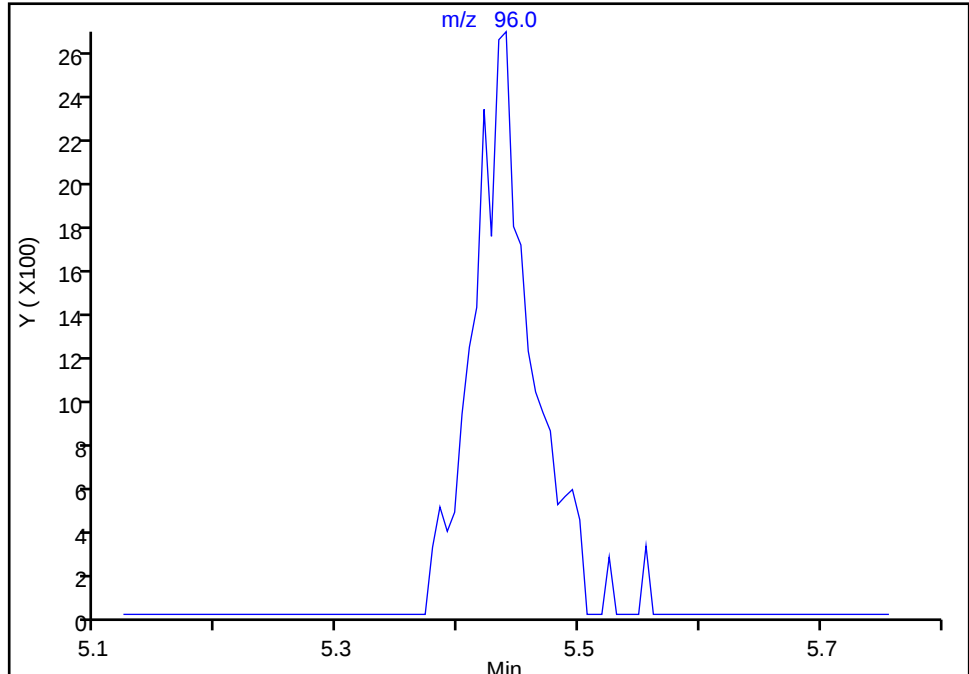
Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X12.D
Injection Date: 26-Dec-2024 13:31:30 Instrument ID: 16334
Lims ID: 410-201498-A-2 Lab Sample ID: 410-201498-2
Client ID: HD-COD-SW-7-0/1-0
Operator ID: ecr105096 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

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

Signal: 1

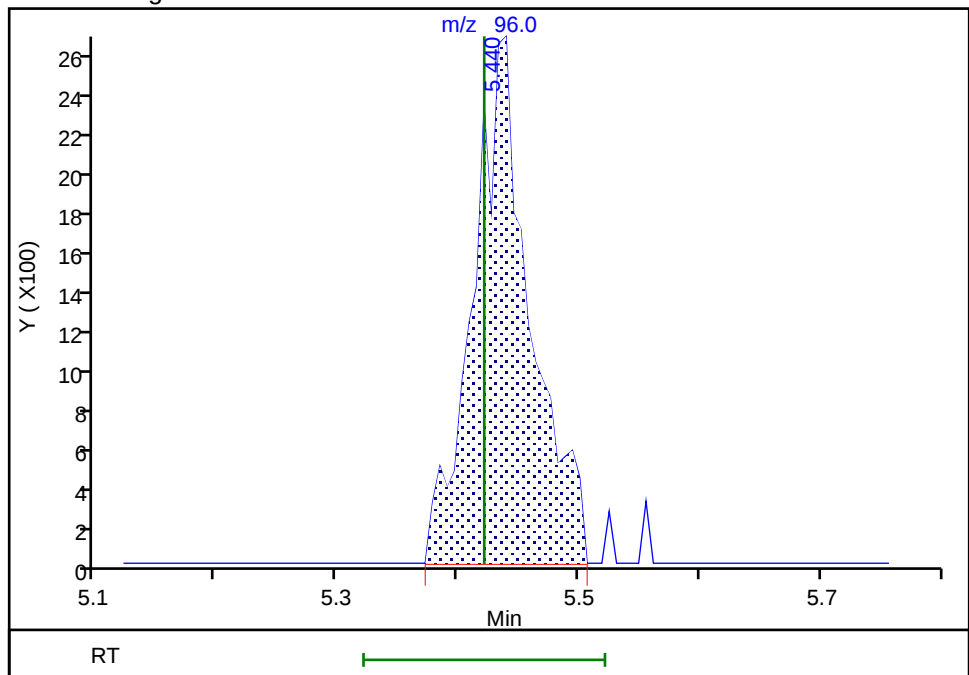
Not Detected
Expected RT: 5.42

Processing Integration Results



RT: 5.44
Area: 8833
Amount: 0.169580
Amount Units: ug/l

Manual Integration Results



Reviewer: FQ4L, 27-Dec-2024 09:39:57 07:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

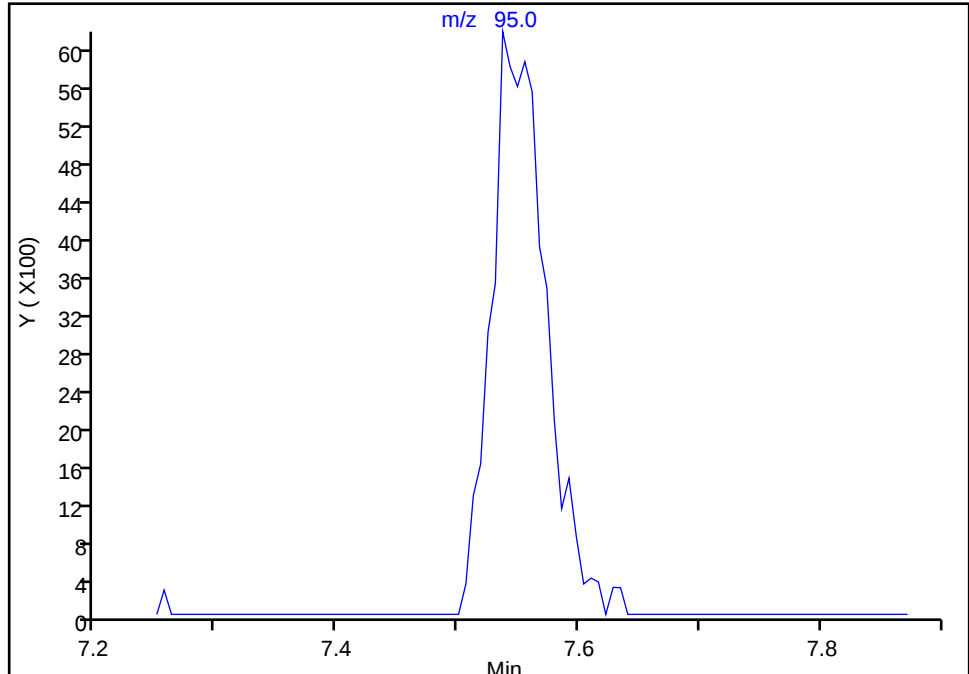
Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X12.D
Injection Date: 26-Dec-2024 13:31:30 Instrument ID: 16334
Lims ID: 410-201498-A-2 Lab Sample ID: 410-201498-2
Client ID: HD-COD-SW-7-0/1-0
Operator ID: ecr105096 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

68 Trichloroethene, CAS: 79-01-6

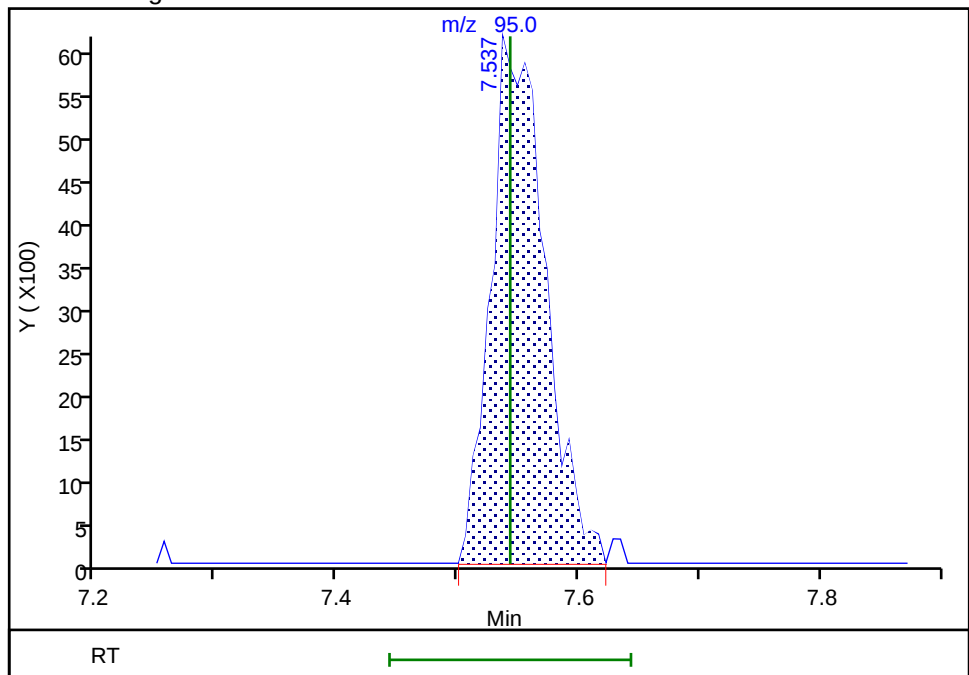
Signal: 1

Not Detected
Expected RT: 7.54

Processing Integration Results



Manual Integration Results



RT: 7.54
Area: 19188
Amount: 0.374426
Amount Units: ug/l

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-201498-1

SDG No.:

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

Lab Sample ID: 410-201498-3

Matrix: Water

Lab File ID: GD26X13.D

Analysis Method: 8260D

Date Collected: 12/18/2024 08:50

Sample wt/vol: 25 (mL)

Date Analyzed: 12/26/2024 13:53

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.: 589906

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	0.098	J	0.50	0.090
74-87-3	Chloromethane	0.13	J	0.50	0.10
156-59-2	cis-1,2-Dichloroethene	0.18	J	0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	1.4		0.50	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-201498-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: HD-COD-SW-8-0/1-0 Lab Sample ID: 410-201498-3

Matrix: Water Lab File ID: GD26X13.D

Analysis Method: 8260D Date Collected: 12/18/2024 08:50

Sample wt/vol: 25 (mL) Date Analyzed: 12/26/2024 13:53

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.: 589906 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	0.32	J	0.50	0.080
75-01-4	Vinyl chloride	ND		0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		80-120
460-00-4	4-Bromofluorobenzene (Surr)	91		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\16334\20241226-134250.b\GD26X13.D
 Lims ID: 410-201498-A-3
 Client ID: HD-COD-SW-8-0/1-0
 Sample Type: Client
 Inject. Date: 26-Dec-2024 13:53:30 ALS Bottle#: 13 Worklist Smp#: 14
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0134250-014
 Operator ID: ecr105096 Instrument ID: 16334
 Method: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\MSV_16334_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 27-Dec-2024 09:40:50 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: CTX1647

First Level Reviewer: FQ4L

Date: 27-Dec-2024 09:40:50

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50	1.880	1.886	-0.006	73	8497	0.1286	
6 Vinyl chloride	62		1.989				ND	7
9 Bromomethane	94		2.282				ND	
10 Chloroethane	64		2.312				ND	
18 1,1-Dichloroethene	96		3.026				ND	
19 Acetone	43		3.056				ND	U
24 Carbon disulfide	76		3.282				ND	7
29 Methylene Chloride	84		3.587				ND	
* 30 t-Butyl alcohol-d10 (IS)	65	3.611	3.617	-0.006	22	71692	50.0	
33 Methyl tert-butyl ether	73		3.934				ND	
34 trans-1,2-Dichloroethene	96		3.934				ND	
37 1,1-Dichloroethane	63		4.562				ND	
41 2-Butanone (MEK)	43		5.397				ND	
42 cis-1,2-Dichloroethene	96	5.428	5.422	0.006	74	8738	0.1750	
49 Chlorobromomethane	128		5.757				ND	
51 Chloroform	83	5.915	5.921	-0.006	89	7929	0.0977	
\$ 52 Dibromofluoromethane (Surr)	113	6.141	6.141	0.000	93	424453	10.4	
53 1,1,1-Trichloroethane	97		6.147				ND	U
55 Carbon tetrachloride	117		6.360				ND	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.604	6.598	0.006	66	80894	10.4	
60 Benzene	78		6.629				ND	7
61 1,2-Dichloroethane	62		6.702				ND	
* 64 Fluorobenzene (IS)	96	7.049	7.049	0.000	99	1721959	10.0	
68 Trichloroethene	95	7.543	7.543	0.000	95	15707	0.3198	
70 1,2-Dichloropropane	63		7.872				ND	
76 Dichlorobromomethane	83		8.232				ND	
81 cis-1,3-Dichloropropene	75		8.805				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.012				ND	
\$ 83 Toluene-d8 (Surr)	98	9.140	9.140	0.000	94	1737430	9.77	
84 Toluene	92	9.232	9.226	0.006	98	7476	0.0605	
85 trans-1,3-Dichloropropene	75		9.524				ND	
107 1,1,2-Trichloroethane	97		9.744				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
108 Tetrachloroethene	166	9.829	9.829	0.000	97	79734	1.43	
110 2-Hexanone	43		9.988				ND	
112 Chlorodibromomethane	129		10.140				ND	
113 Ethylene Dibromide	107		10.250				ND	
* 114 Chlorobenzene-d5 (IS)	117	10.707	10.707	0.000	86	1281816	10.0	
116 Chlorobenzene	112		10.738				ND	
117 1,1,1,2-Tetrachloroethane	131		10.823				ND	
118 Ethylbenzene	91		10.835				ND	7
120 m-Xylene & p-Xylene	106	10.963	10.951	0.012	97	4906	0.0529	
S 119 Xylenes, Total	106		11.245				ND	7
121 o-Xylene	106		11.292				ND	7
122 Styrene	104		11.311				ND	
123 Bromoform	173		11.463				ND	
\$ 127 4-Bromofluorobenzene (Surr)	95	11.743	11.743	0.000	89	556313	9.05	
128 1,1,2,2-Tetrachloroethane	83		11.859				ND	
* 142 1,4-Dichlorobenzene-d4	152	12.634	12.640	-0.006	96	652685	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSV_29_826ISS_00058

Amount Added: 1.20

Units: uL

Run Reagent

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X13.D

Injection Date: 26-Dec-2024 13:53:30

Instrument ID: 16334

Operator ID: ecr105096

Lims ID: 410-201498-A-3

Lab Sample ID: 410-201498-3

Worklist Smp#: 14

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

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

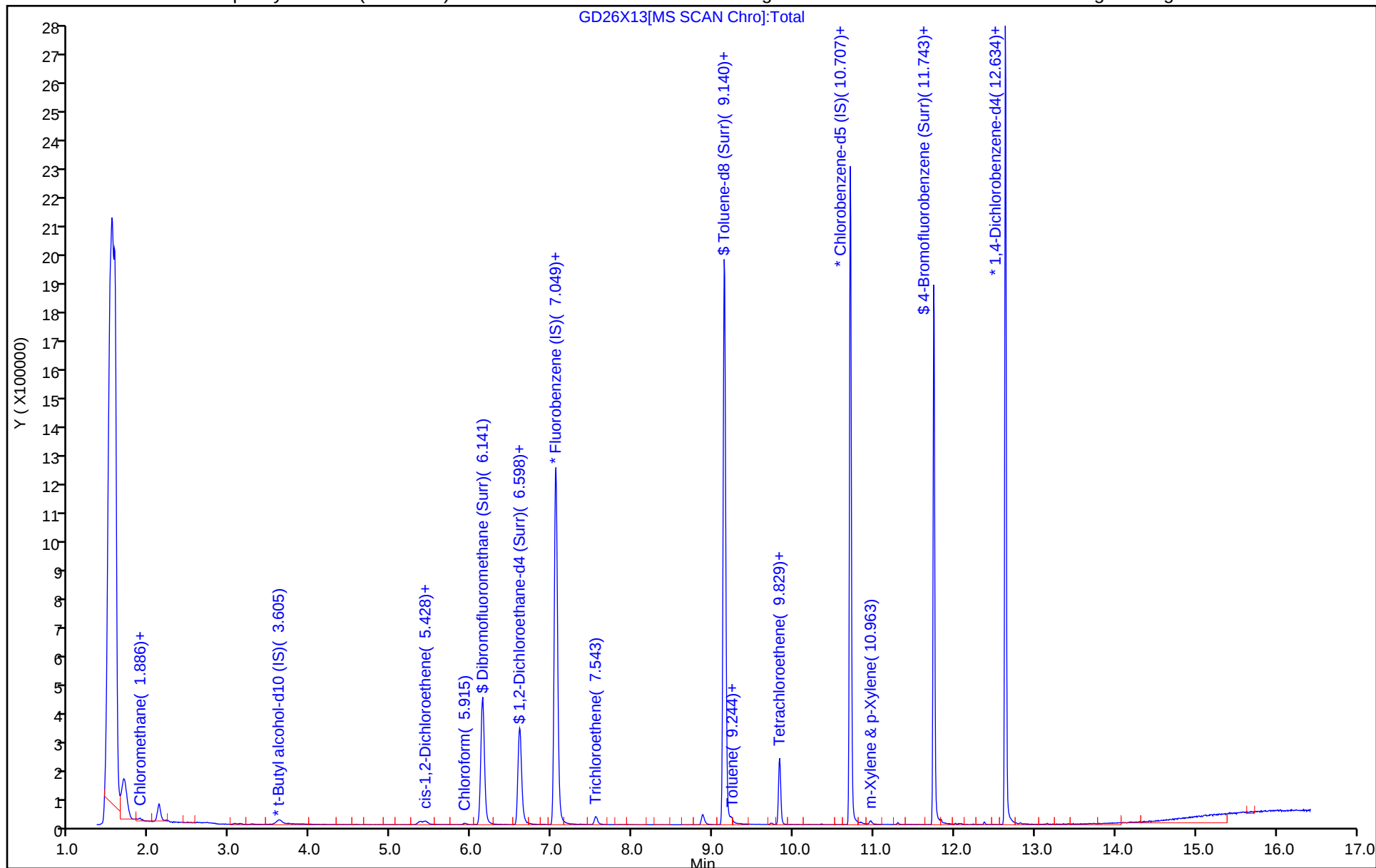
ALS Bottle#: 13

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

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



Eurofins Lancaster Laboratories Environment Testing, LLC
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X13.D
Lims ID: 410-201498-A-3
Client ID: HD-COD-SW-8-0/1-0
Sample Type: Client
Inject. Date: 26-Dec-2024 13:53:30 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0134250-014
Operator ID: ecr105096 Instrument ID: 16334
Method: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 27-Dec-2024 09:40:50 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: CTX1647

First Level Reviewer: FQ4L

Date: 27-Dec-2024 09:40:50

Compound	Amount Added	Amount Recovered	% Rec.
\$ 52 Dibromofluoromethane (Surr)	10.0	10.4	104.48
\$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.4	104.37
\$ 83 Toluene-d8 (Surr)	10.0	9.77	97.65
\$ 127 4-Bromofluorobenzene (Surr)	10.0	9.05	90.54

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X13.D

Injection Date: 26-Dec-2024 13:53:30

Instrument ID: 16334

Lims ID: 410-201498-A-3

Lab Sample ID: 410-201498-3

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

Operator ID: ecr105096

ALS Bottle#: 13

Worklist Smp#: 14

Purge Vol: 25.000 mL

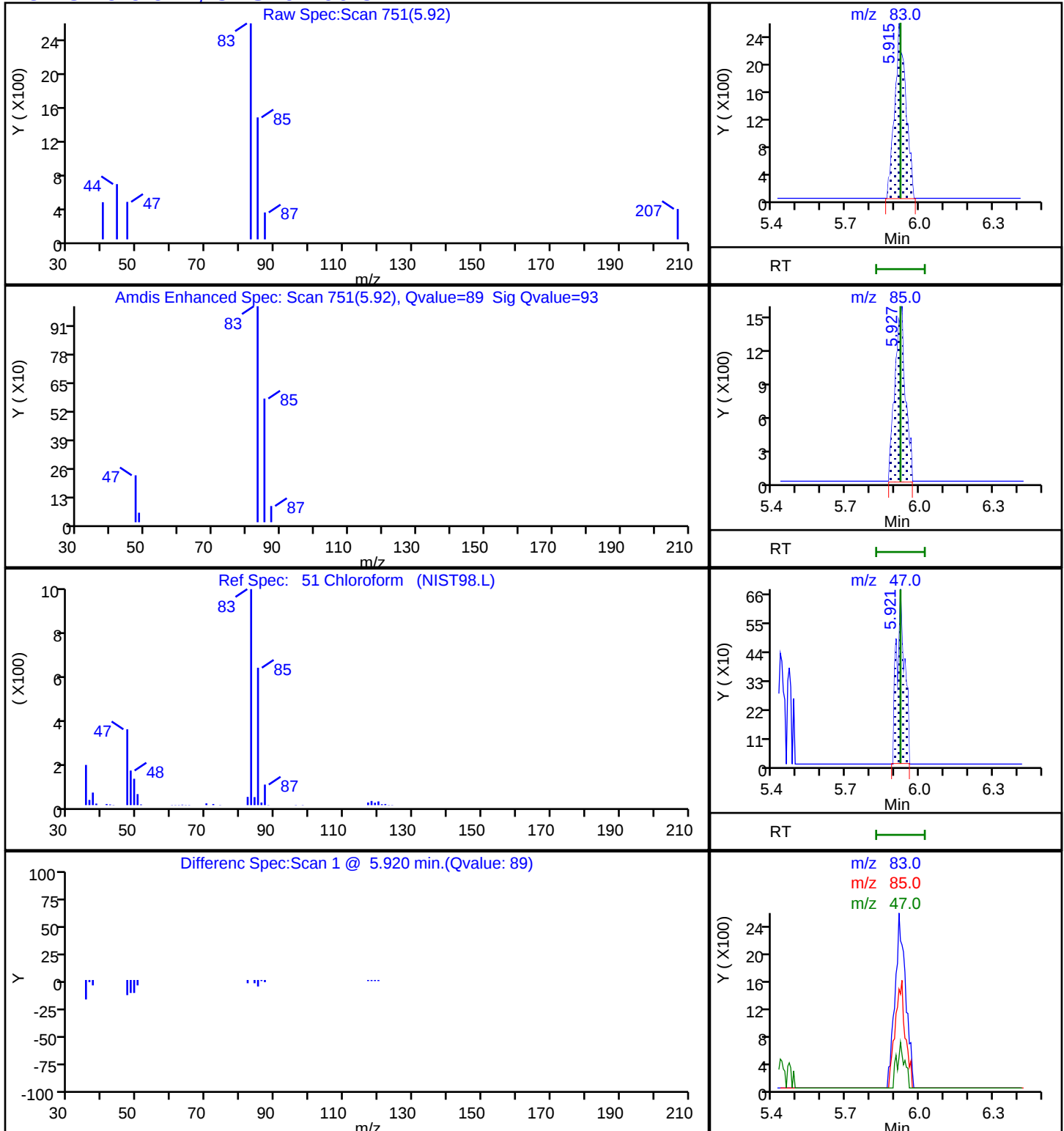
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

51 Chloroform, CAS: 67-66-3

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X13.D

Injection Date: 26-Dec-2024 13:53:30

Instrument ID: 16334

Lims ID: 410-201498-A-3

Lab Sample ID: 410-201498-3

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

Operator ID: ecr105096

ALS Bottle#: 13

Worklist Smp#: 14

Purge Vol: 25.000 mL

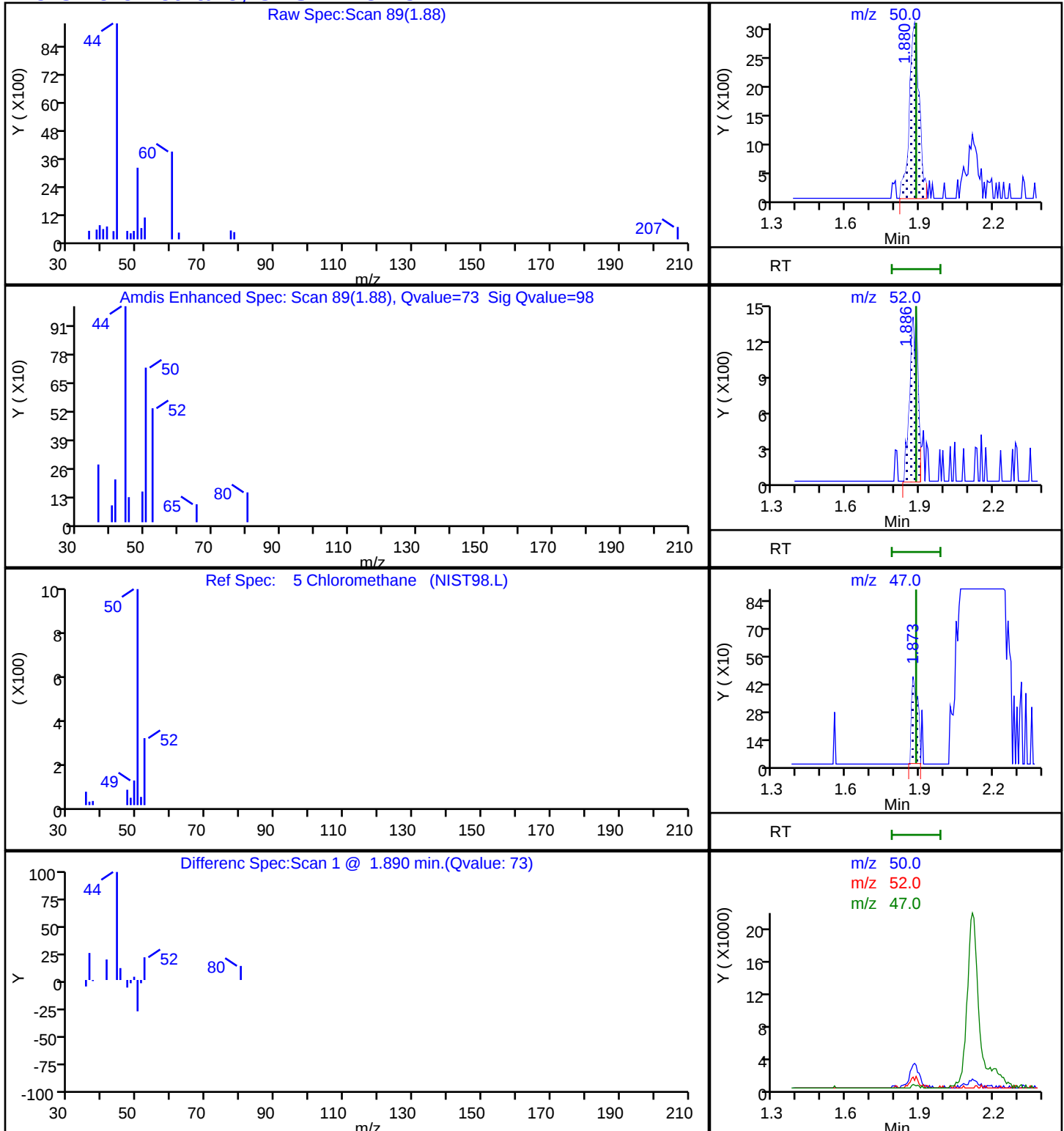
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

5 Chloromethane, CAS: 74-87-3

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X13.D

Injection Date: 26-Dec-2024 13:53:30

Instrument ID: 16334

Lims ID: 410-201498-A-3

Lab Sample ID: 410-201498-3

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

Operator ID: ecr105096

ALS Bottle#: 13

Worklist Smp#: 14

Purge Vol: 25.000 mL

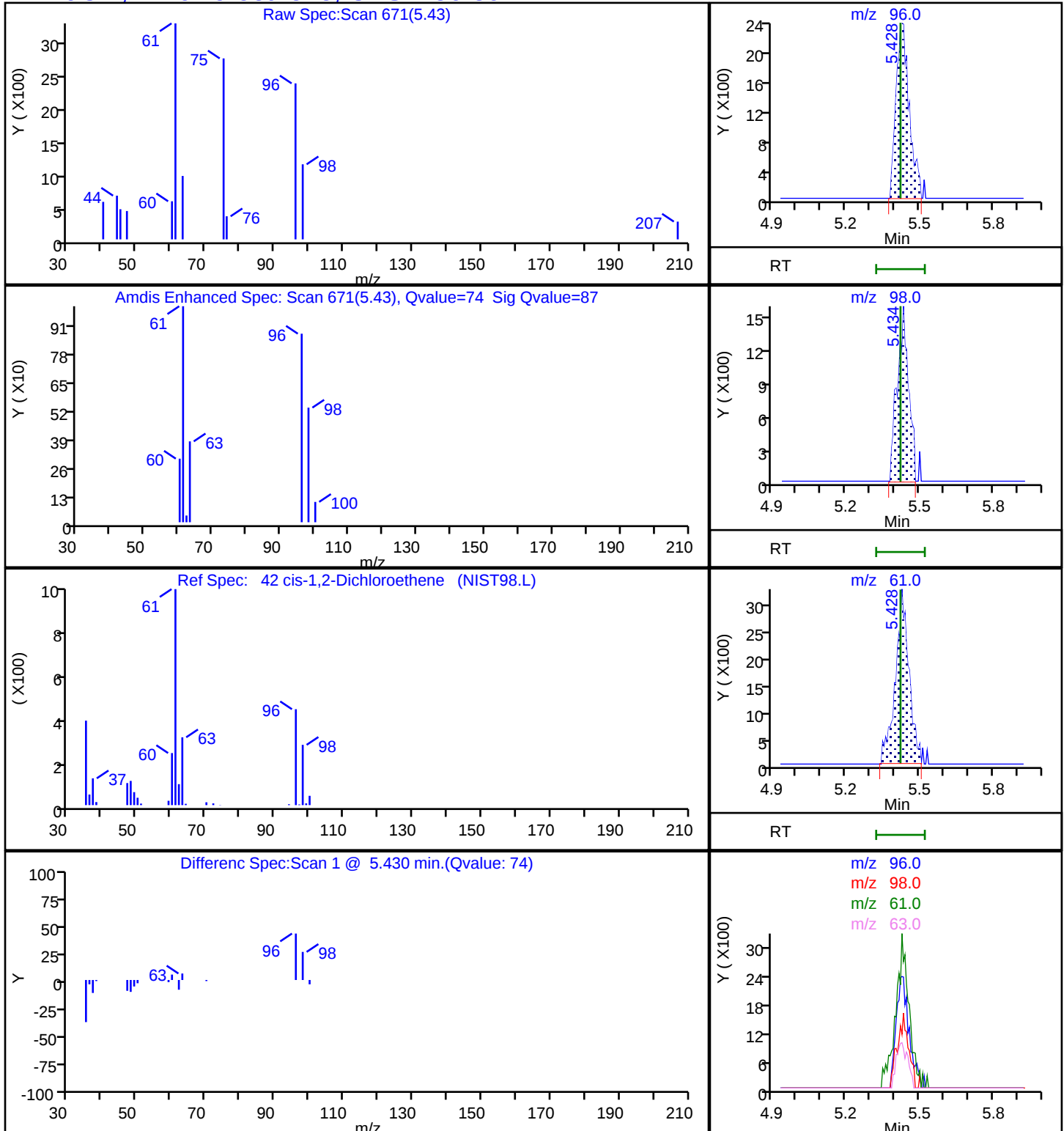
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

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

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X13.D

Injection Date: 26-Dec-2024 13:53:30

Instrument ID: 16334

Lims ID: 410-201498-A-3

Lab Sample ID: 410-201498-3

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

Operator ID: ecr105096

ALS Bottle#: 13

Worklist Smp#: 14

Purge Vol: 25.000 mL

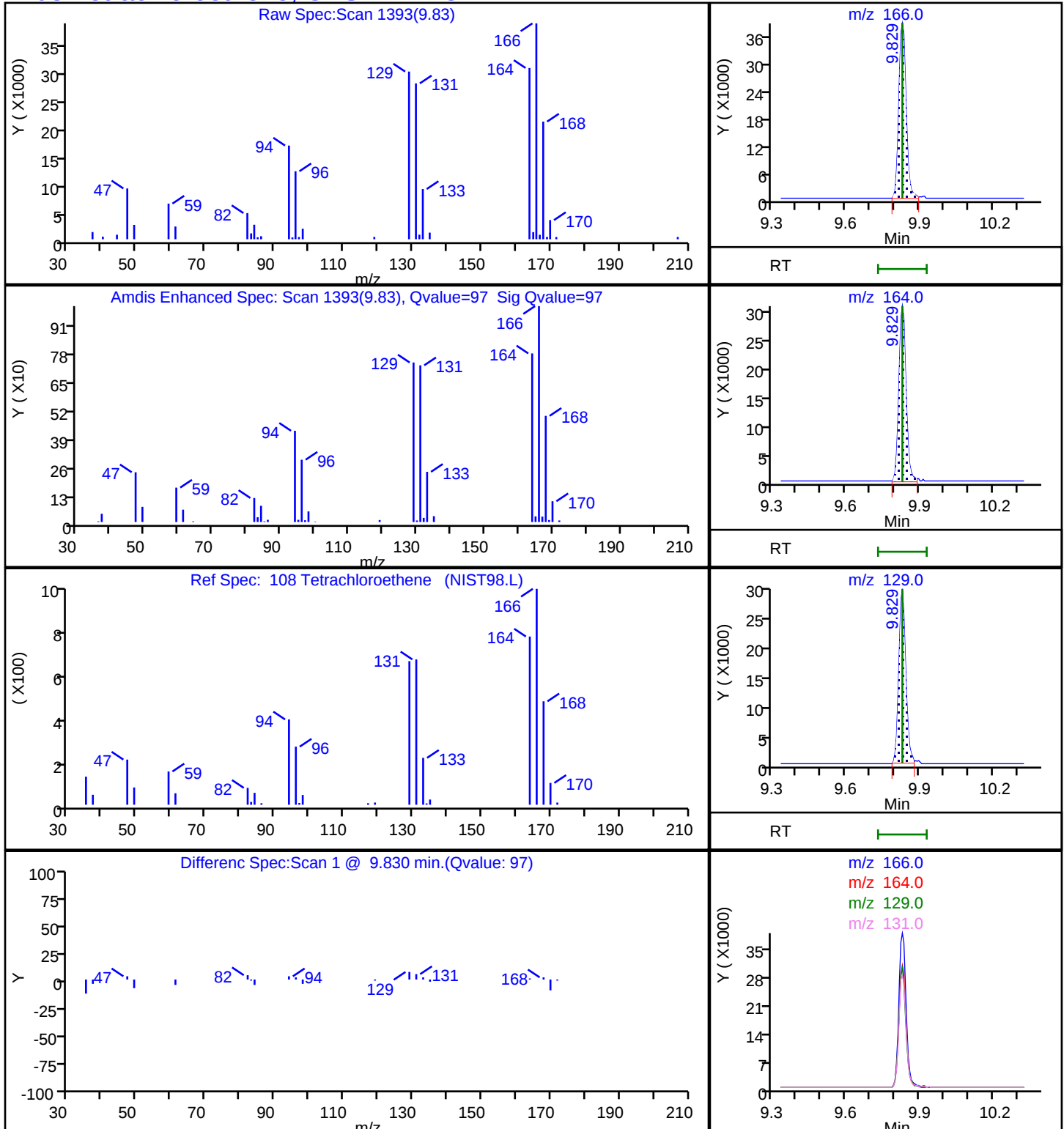
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

108 Tetrachloroethene, CAS: 127-18-4

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X13.D

Injection Date: 26-Dec-2024 13:53:30

Instrument ID: 16334

Lims ID: 410-201498-A-3

Lab Sample ID: 410-201498-3

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

Operator ID: ecr105096

ALS Bottle#: 13

Worklist Smp#: 14

Purge Vol: 25.000 mL

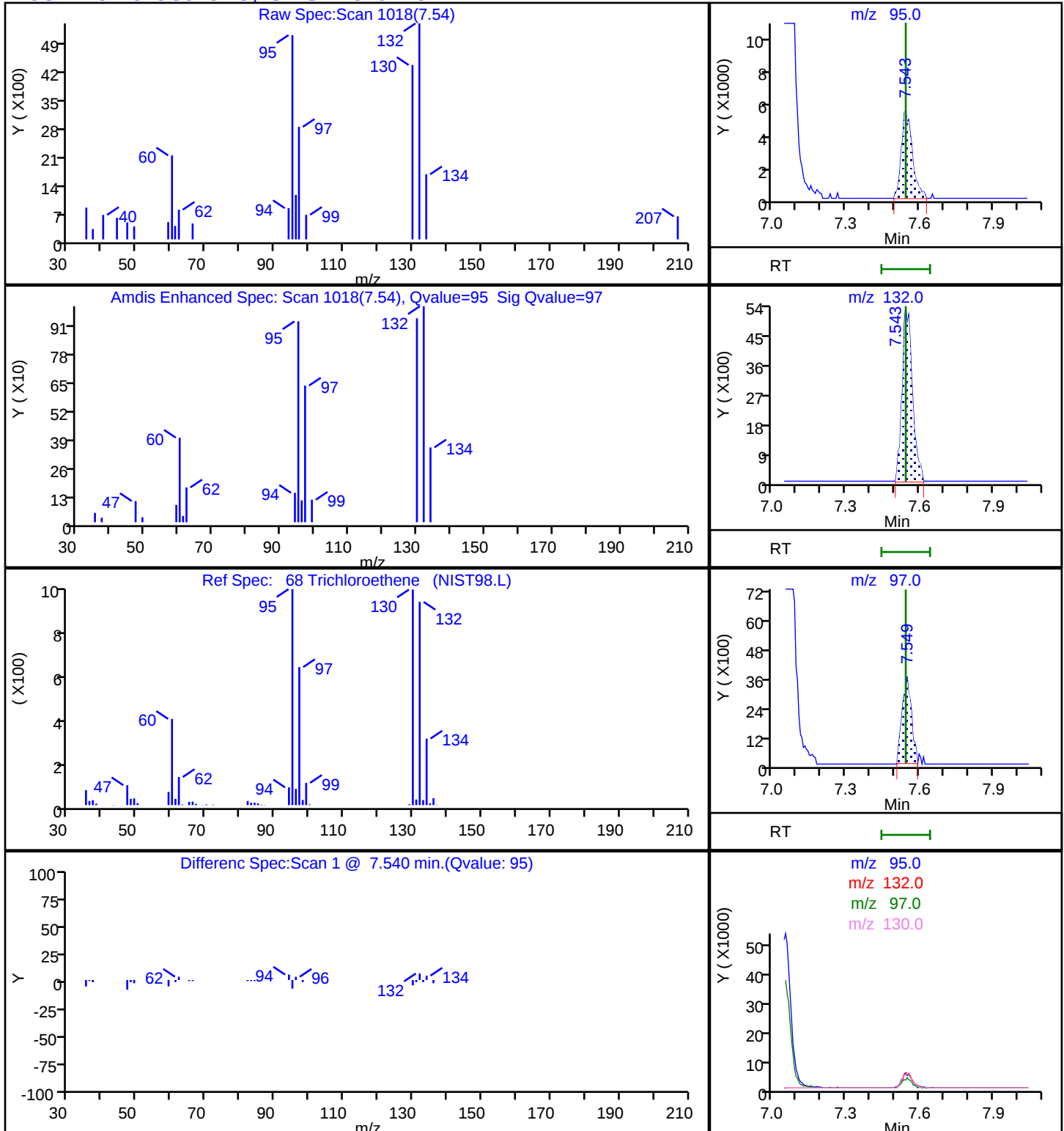
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

68 Trichloroethene, CAS: 79-01-6

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X13.D

Injection Date: 26-Dec-2024 13:53:30

Instrument ID: 16334

Lims ID: 410-201498-A-3

Lab Sample ID: 410-201498-3

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

Operator ID: ecr105096

ALS Bottle#: 13 Worklist Smp#: 14

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

Method: MSV_16334_25mL

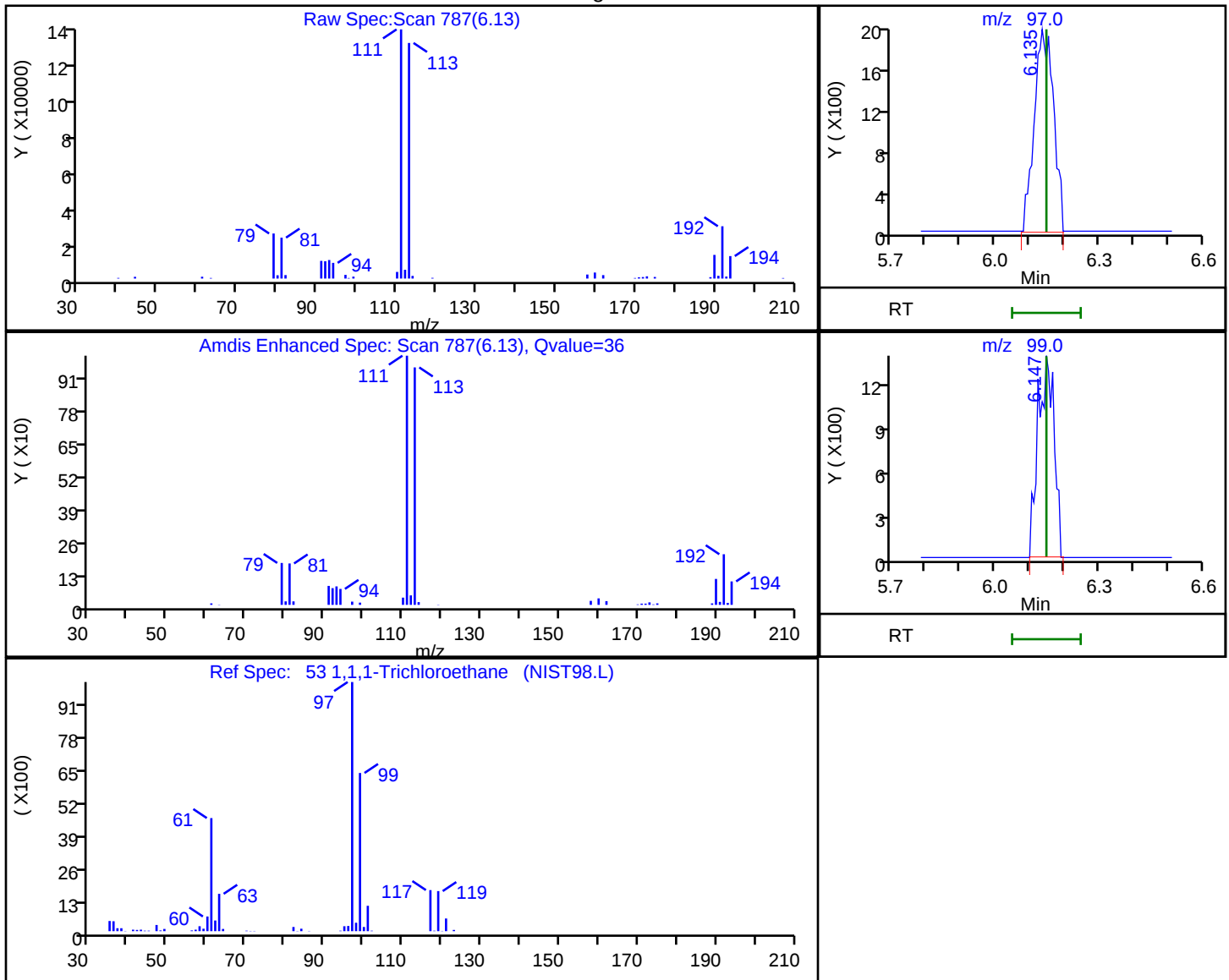
Limit Group: MSV - 8260C_D

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

MS Quad

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

Processing Results



RT	Mass	Response	Amount
6.13	97.00	7524	0.104761
6.15	99.00	4243	

Reviewer: FQ4L, 27-Dec-2024 09:40:37 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

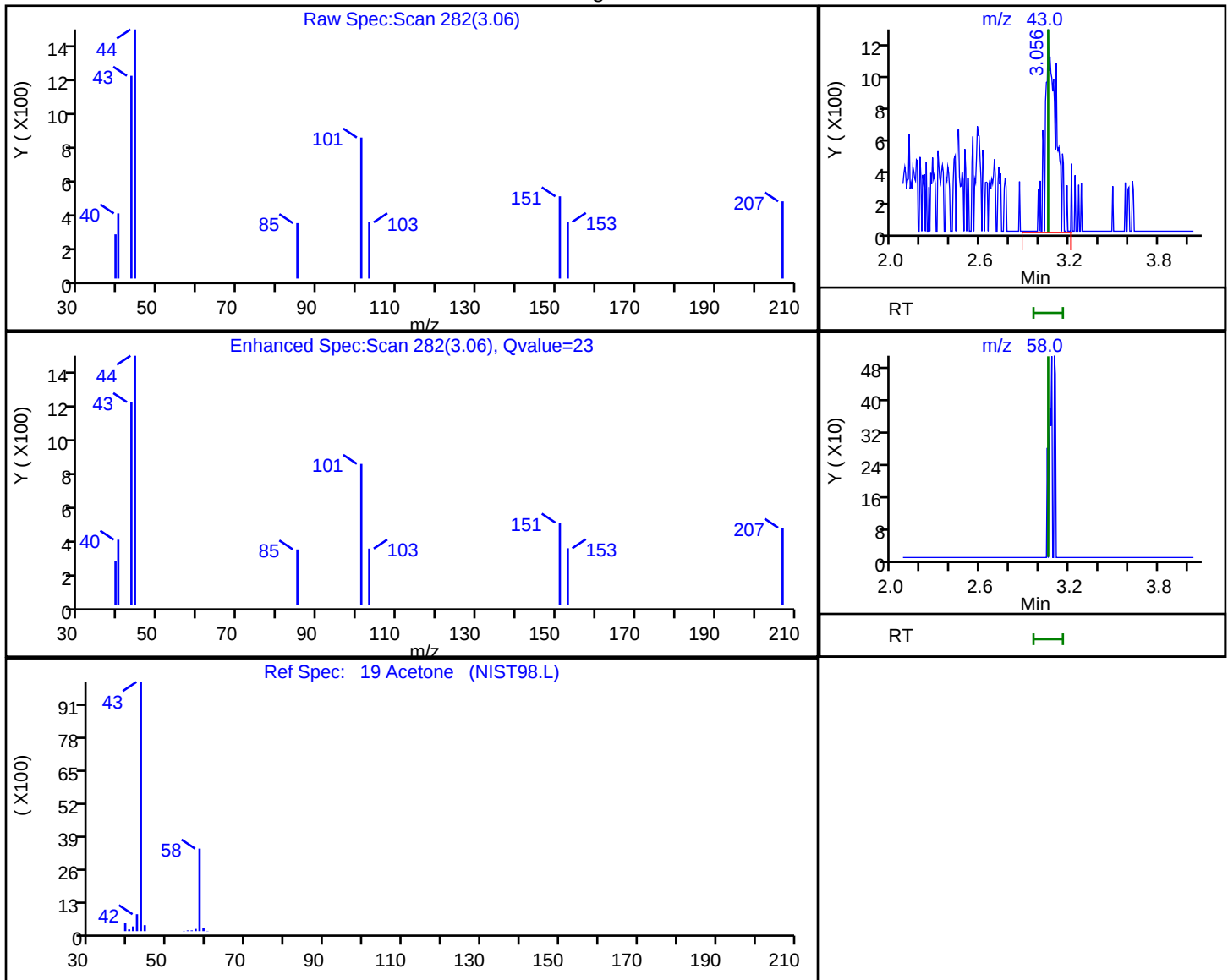
Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X13.D
Injection Date: 26-Dec-2024 13:53:30 Instrument ID: 16334
Lims ID: 410-201498-A-3 Lab Sample ID: 410-201498-3
Client ID: HD-COD-SW-8-0/1-0
Operator ID: ecr105096 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm i.d.) Detector: MS Quad

19 Acetone, CAS: 67-64-1

Processing Results



RT	Mass	Response	Amount
3.06	43.00	6146	1.494027
3.06	58.00	0	

Reviewer: FQ4L, 27-Dec-2024 09:40:31 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-201498-1

SDG No.:

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

Lab Sample ID: 410-201498-4

Matrix: Water

Lab File ID: GD26X14.D

Analysis Method: 8260D

Date Collected: 12/18/2024 12:15

Sample wt/vol: 25 (mL)

Date Analyzed: 12/26/2024 14:17

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 589906

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	2.4	J	5.0	1.5
71-43-2	Benzene	ND		0.50	0.10
74-97-5	Bromochloromethane	ND		0.50	0.080
75-27-4	Bromodichloromethane	ND		0.50	0.080
75-25-2	Bromoform	ND		1.0	0.30
74-83-9	Bromomethane	ND		0.50	0.10
75-15-0	Carbon disulfide	ND		1.0	0.10
56-23-5	Carbon tetrachloride	ND		0.50	0.10
108-90-7	Chlorobenzene	ND		0.50	0.070
75-00-3	Chloroethane	ND		0.50	0.10
67-66-3	Chloroform	0.17	J	0.50	0.090
74-87-3	Chloromethane	ND		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	0.13	J	0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	0.31	J	0.50	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-201498-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: HD-COD-SW-9-0/1-0 Lab Sample ID: 410-201498-4

Matrix: Water Lab File ID: GD26X14.D

Analysis Method: 8260D Date Collected: 12/18/2024 12:15

Sample wt/vol: 25 (mL) Date Analyzed: 12/26/2024 14:17

Soil Aliquot Vol: _____ Dilution Factor: 1

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

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

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

Analysis Batch No.: 589906 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	0.20	J	0.50	0.080
75-01-4	Vinyl chloride	ND		0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		80-120
460-00-4	4-Bromofluorobenzene (Surr)	91		80-120
1868-53-7	Dibromofluoromethane (Surr)	104		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\16334\20241226-134250.b\GD26X14.D
 Lims ID: 410-201498-A-4
 Client ID: HD-COD-SW-9-0/1-0
 Sample Type: Client
 Inject. Date: 26-Dec-2024 14:17:30 ALS Bottle#: 14 Worklist Smp#: 15
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0134250-015
 Operator ID: ecr105096 Instrument ID: 16334
 Method: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\MSV_16334_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 27-Dec-2024 09:40:50 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: CTX1647

First Level Reviewer: FQ4L

Date: 27-Dec-2024 09:41:16

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50		1.886				ND	
6 Vinyl chloride	62		1.989				ND	7
9 Bromomethane	94		2.282				ND	
10 Chloroethane	64		2.312				ND	
18 1,1-Dichloroethene	96		3.026				ND	
19 Acetone	43	3.080	3.056	0.024	97	9348	2.36	
24 Carbon disulfide	76		3.282				ND	7
29 Methylene Chloride	84		3.587				ND	
* 30 t-Butyl alcohol-d10 (IS)	65	3.629	3.617	0.012	21	69139	50.0	
33 Methyl tert-butyl ether	73		3.934				ND	
34 trans-1,2-Dichloroethene	96		3.934				ND	
37 1,1-Dichloroethane	63		4.562				ND	
41 2-Butanone (MEK)	43		5.397				ND	
42 cis-1,2-Dichloroethene	96	5.434	5.422	0.012	79	6428	0.1274	
49 Chlorobromomethane	128		5.757				ND	
51 Chloroform	83	5.927	5.921	0.006	91	14079	0.1717	
\$ 52 Dibromofluoromethane (Surr)	113	6.141	6.141	0.000	93	426693	10.4	
53 1,1,1-Trichloroethane	97		6.147				ND	
55 Carbon tetrachloride	117		6.360				ND	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.604	6.598	0.006	66	81575	10.4	
60 Benzene	78		6.629				ND	7
61 1,2-Dichloroethane	62		6.702				ND	
* 64 Fluorobenzene (IS)	96	7.049	7.049	0.000	99	1740269	10.0	
68 Trichloroethene	95	7.549	7.543	0.006	97	10012	0.2017	
70 1,2-Dichloropropane	63		7.872				ND	
76 Dichlorobromomethane	83		8.232				ND	7
81 cis-1,3-Dichloropropene	75		8.805				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.012				ND	
\$ 83 Toluene-d8 (Surr)	98	9.140	9.140	0.000	94	1728256	9.55	
84 Toluene	92	9.226	9.226	0.000	99	8744	0.0696	
85 trans-1,3-Dichloropropene	75		9.524				ND	
107 1,1,2-Trichloroethane	97		9.744				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
108 Tetrachloroethene	166	9.829	9.829	0.000	97	17373	0.3064	
110 2-Hexanone	43		9.988				ND	
112 Chlorodibromomethane	129		10.140				ND	
113 Ethylene Dibromide	107		10.250				ND	
* 114 Chlorobenzene-d5 (IS)	117	10.707	10.707	0.000	86	1303974	10.0	
116 Chlorobenzene	112		10.738				ND	
117 1,1,1,2-Tetrachloroethane	131		10.823				ND	
118 Ethylbenzene	91		10.835				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		11.311				ND	
123 Bromoform	173		11.463				ND	
\$ 127 4-Bromofluorobenzene (Surr)	95	11.743	11.743	0.000	90	568259	9.09	
128 1,1,2,2-Tetrachloroethane	83		11.859				ND	
* 142 1,4-Dichlorobenzene-d4	152	12.633	12.640	-0.007	95	667773	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

MSV_29_826ISS_00058

Amount Added: 1.20

Units: uL

Run Reagent

Report Date: 27-Dec-2024 09:41:17

Chrom Revision: 2.3 17-Dec-2024 12:44:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X14.D

Injection Date: 26-Dec-2024 14:17:30

Instrument ID: 16334

Operator ID: ecr105096

Lims ID: 410-201498-A-4

Lab Sample ID: 410-201498-4

Worklist Smp#: 15

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

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

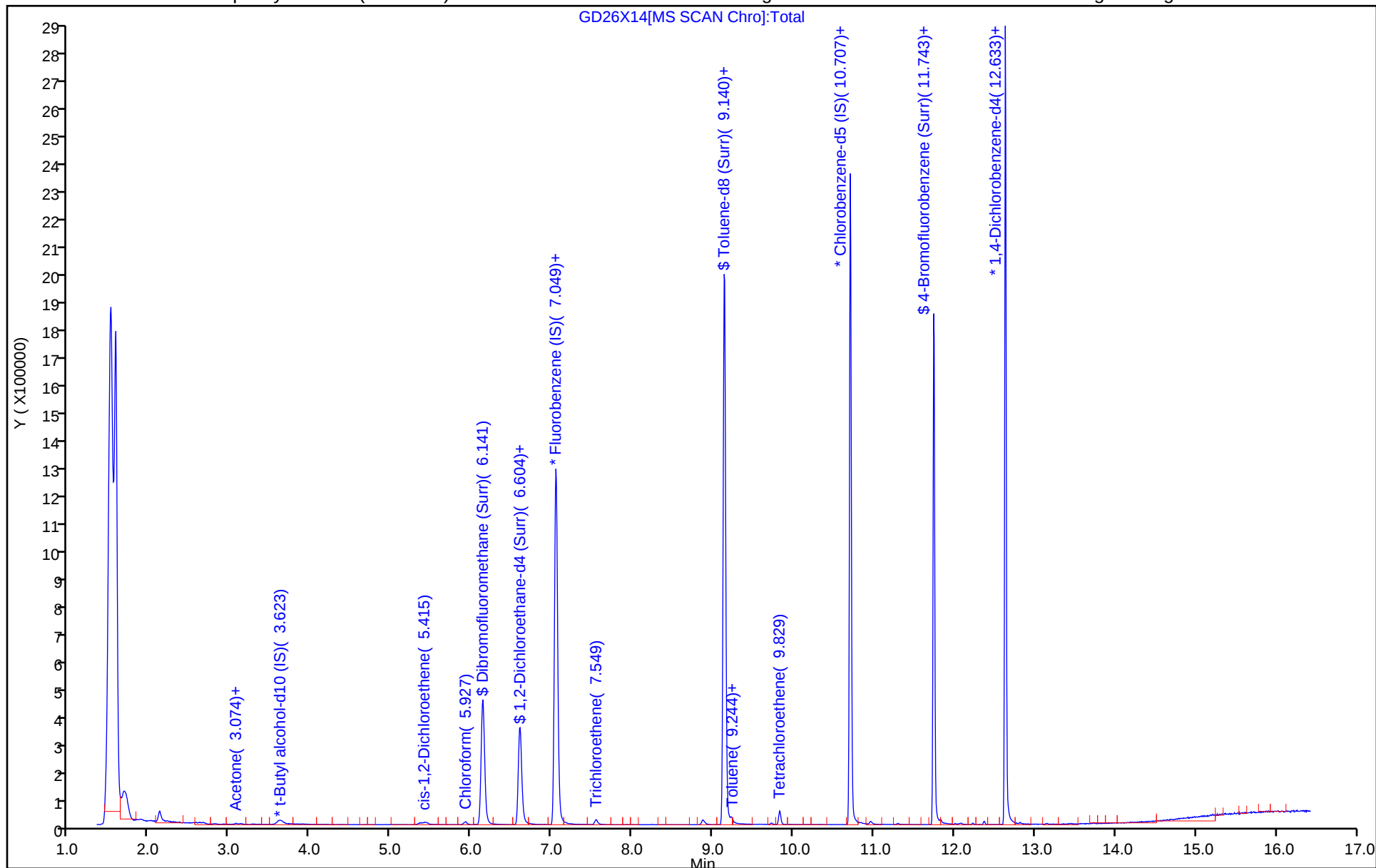
ALS Bottle#: 14

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\20241226-134250.b\GD26X14.D
Lims ID: 410-201498-A-4
Client ID: HD-COD-SW-9-0/1-0
Sample Type: Client
Inject. Date: 26-Dec-2024 14:17:30 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0134250-015
Operator ID: ecr105096 Instrument ID: 16334
Method: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 27-Dec-2024 09:40:50 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: CTX1647

First Level Reviewer: FQ4L

Date: 27-Dec-2024 09:41:16

Compound	Amount Added	Amount Recovered	% Rec.
\$ 52 Dibromofluoromethane (Surr)	10.0	10.4	103.92
\$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.4	104.14
\$ 83 Toluene-d8 (Surr)	10.0	9.55	95.49
\$ 127 4-Bromofluorobenzene (Surr)	10.0	9.09	90.92

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X14.D

Injection Date: 26-Dec-2024 14:17:30

Instrument ID: 16334

Lims ID: 410-201498-A-4

Lab Sample ID: 410-201498-4

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

Operator ID: ecr105096

ALS Bottle#: 14

Worklist Smp#: 15

Purge Vol: 25.000 mL

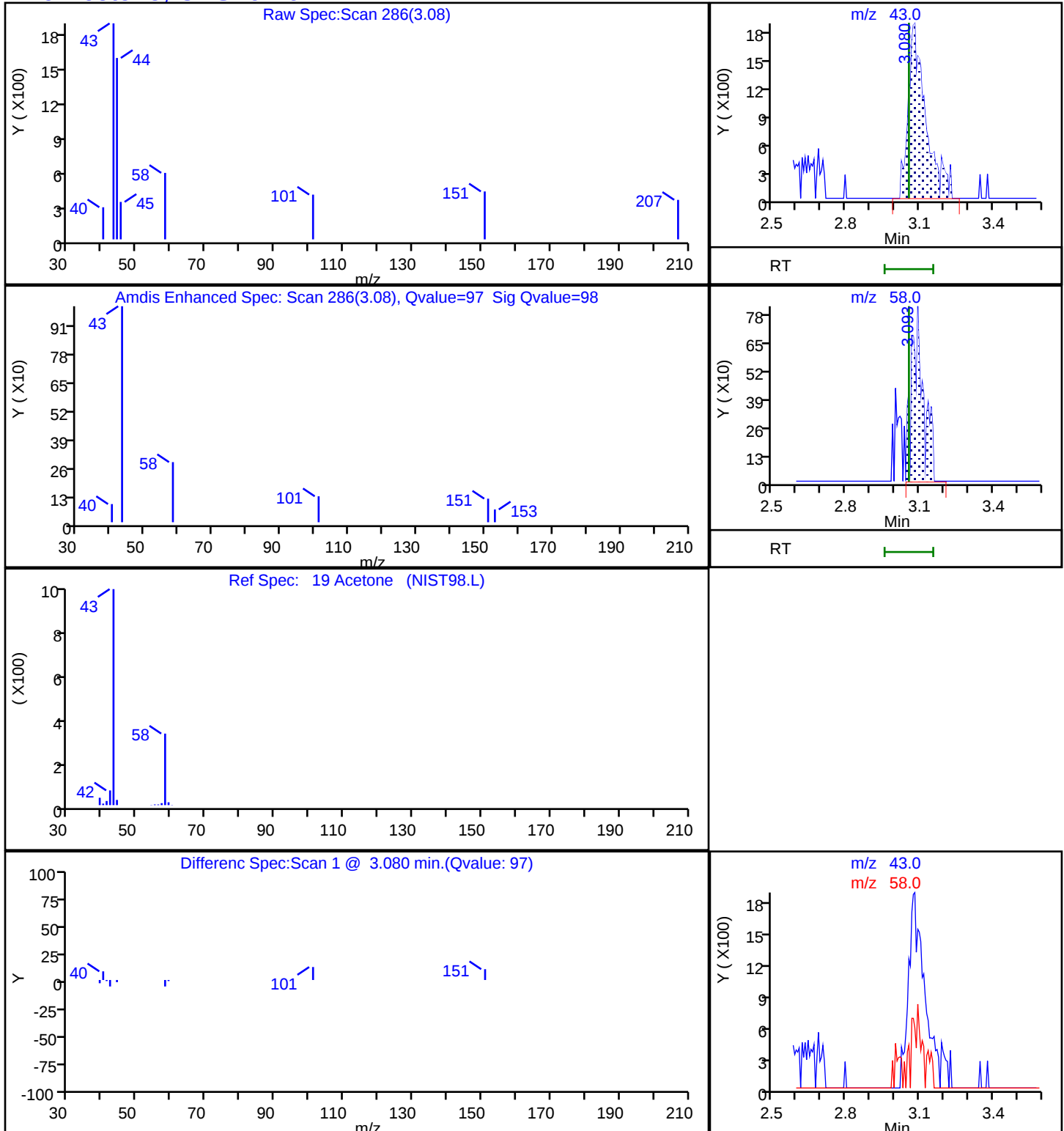
Dil. Factor: 1.0000

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

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X14.D

Injection Date: 26-Dec-2024 14:17:30

Instrument ID: 16334

Lims ID: 410-201498-A-4

Lab Sample ID: 410-201498-4

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

Operator ID: ecr105096

ALS Bottle#: 14

Worklist Smp#: 15

Purge Vol: 25.000 mL

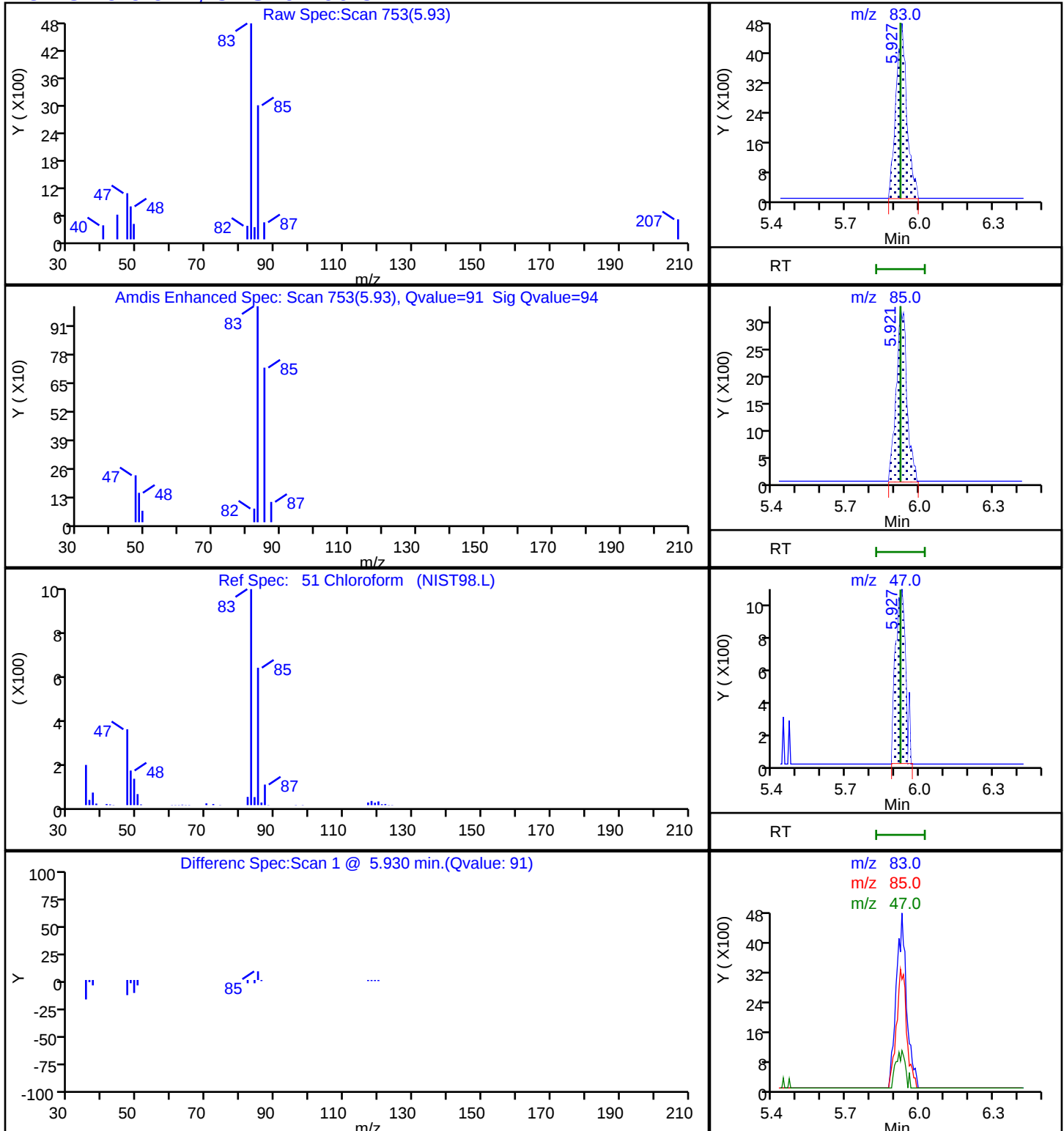
Dil. Factor: 1.0000

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\20241226-134250.b\GD26X14.D

Injection Date: 26-Dec-2024 14:17:30

Instrument ID: 16334

Lims ID: 410-201498-A-4

Lab Sample ID: 410-201498-4

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

Operator ID: ecr105096

ALS Bottle#: 14

Worklist Smp#: 15

Purge Vol: 25.000 mL

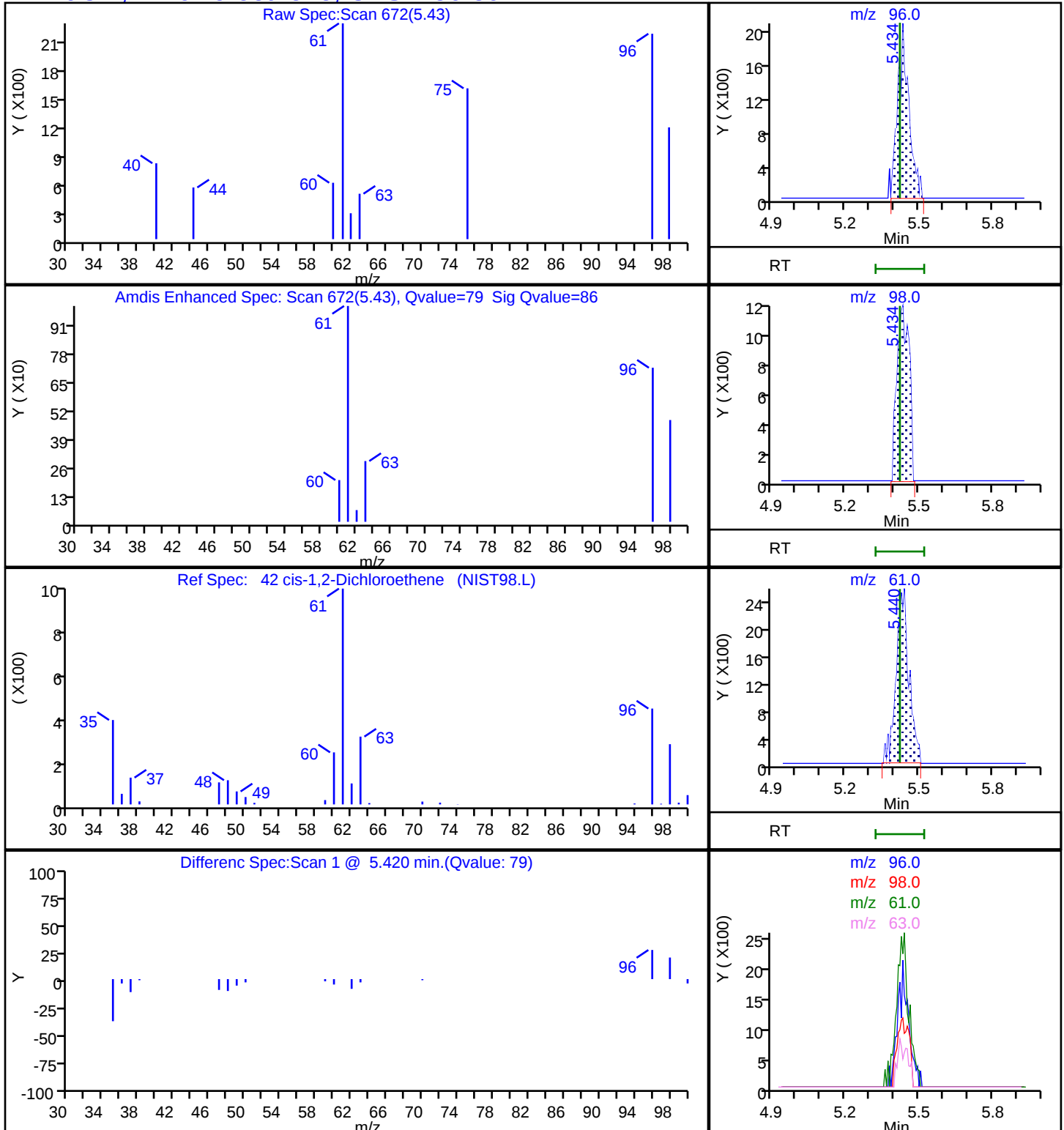
Dil. Factor: 1.0000

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\20241226-134250.b\GD26X14.D

Injection Date: 26-Dec-2024 14:17:30

Instrument ID: 16334

Lims ID: 410-201498-A-4

Lab Sample ID: 410-201498-4

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

Operator ID: ecr105096

ALS Bottle#: 14

Worklist Smp#: 15

Purge Vol: 25.000 mL

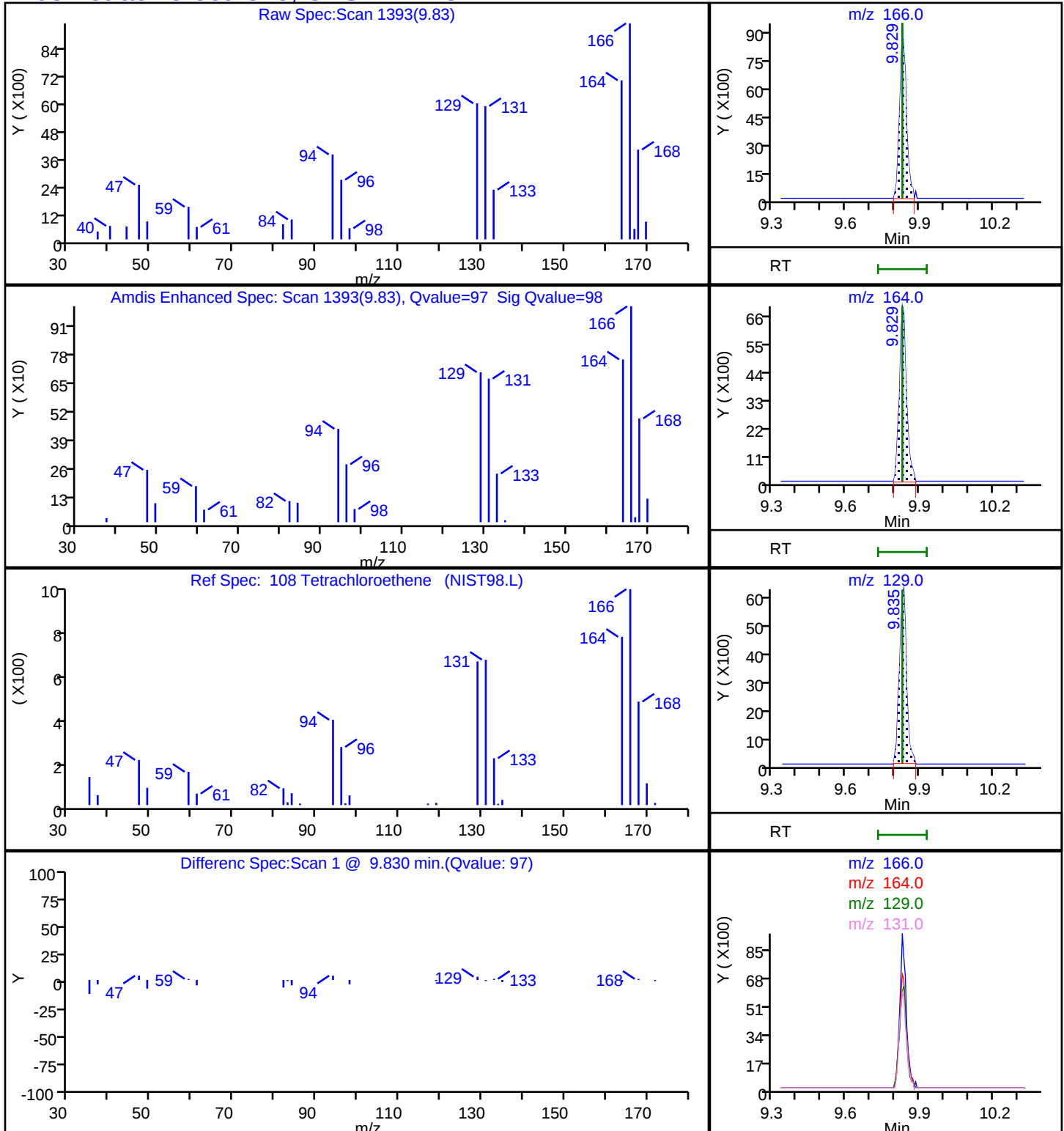
Dil. Factor: 1.0000

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\20241226-134250.b\GD26X14.D

Injection Date: 26-Dec-2024 14:17:30

Instrument ID: 16334

Lims ID: 410-201498-A-4

Lab Sample ID: 410-201498-4

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

Operator ID: ecr105096

ALS Bottle#: 14

Worklist Smp#: 15

Purge Vol: 25.000 mL

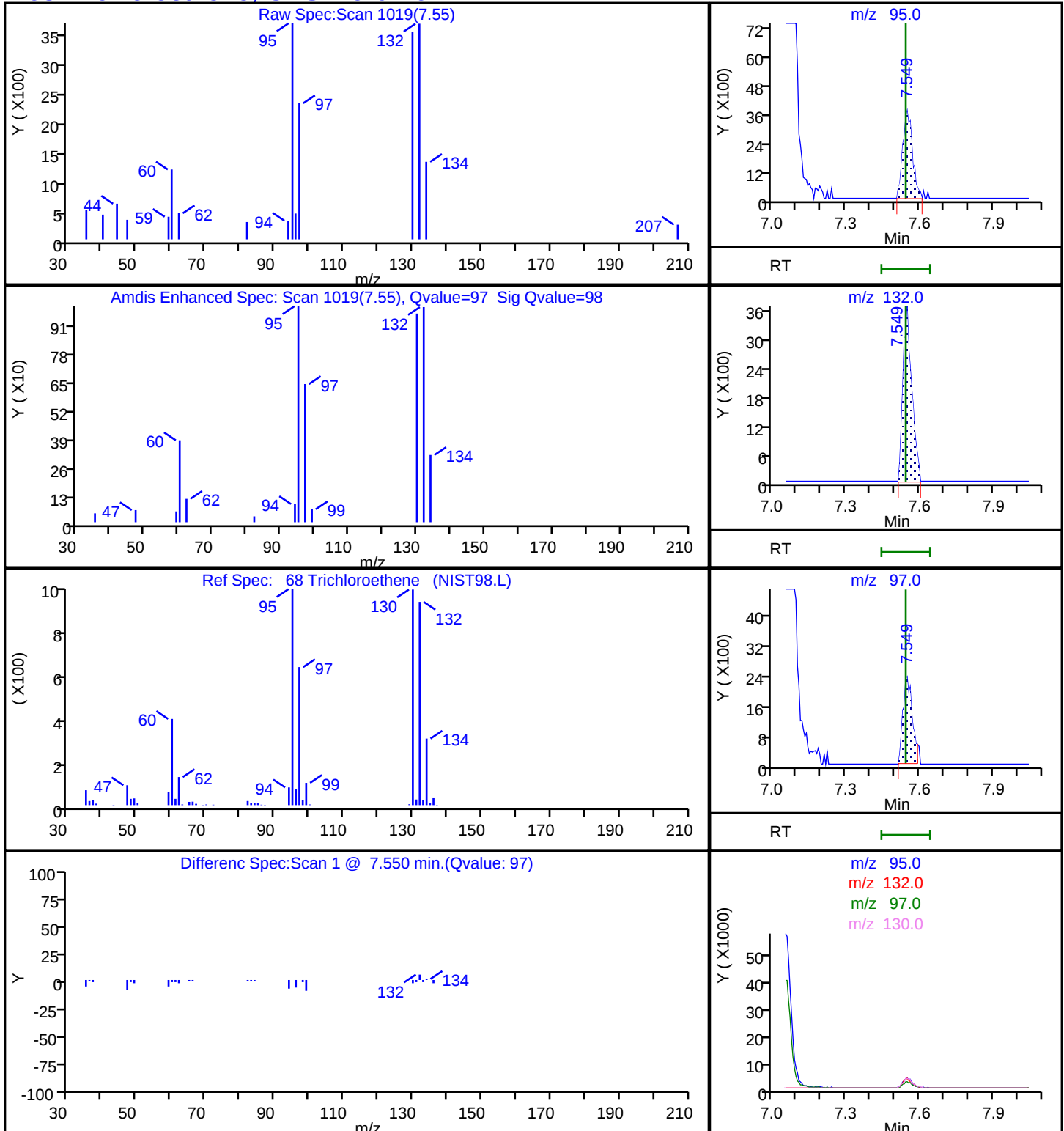
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

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.: 410-201498-1

SDG No.:

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

Lab Sample ID: 410-201498-5

Matrix: Water

Lab File ID: GD26X15.D

Analysis Method: 8260D

Date Collected: 12/18/2024 09:00

Sample wt/vol: 25 (mL)

Date Analyzed: 12/26/2024 14:39

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 589906

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	1.8	J	5.0	1.5
71-43-2	Benzene	ND		0.50	0.10
74-97-5	Bromochloromethane	ND		0.50	0.080
75-27-4	Bromodichloromethane	ND		0.50	0.080
75-25-2	Bromoform	ND		1.0	0.30
74-83-9	Bromomethane	ND		0.50	0.10
75-15-0	Carbon disulfide	ND		1.0	0.10
56-23-5	Carbon tetrachloride	ND		0.50	0.10
108-90-7	Chlorobenzene	ND		0.50	0.070
75-00-3	Chloroethane	ND		0.50	0.10
67-66-3	Chloroform	0.10	J	0.50	0.090
74-87-3	Chloromethane	0.17	J	0.50	0.10
156-59-2	cis-1,2-Dichloroethene	0.16	J	0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	1.7		0.50	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-201498-1

SDG No.:

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

Lab Sample ID: 410-201498-5

Matrix: Water

Lab File ID: GD26X15.D

Analysis Method: 8260D

Date Collected: 12/18/2024 09:00

Sample wt/vol: 25 (mL)

Date Analyzed: 12/26/2024 14:39

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 589906

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)	105		80-120
460-00-4	4-Bromofluorobenzene (Surr)	90		80-120
1868-53-7	Dibromofluoromethane (Surr)	105		80-120
2037-26-5	Toluene-d8 (Surr)	97		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X15.D
 Lims ID: 410-201498-A-5
 Client ID: HD-COD-SW-13-0/1-0
 Sample Type: Client
 Inject. Date: 26-Dec-2024 14:39:30 ALS Bottle#: 15 Worklist Smp#: 16
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0134250-016
 Operator ID: ecr105096 Instrument ID: 16334
 Method: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\MSV_16334_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 27-Dec-2024 09:41:47 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: CTX1647

First Level Reviewer: FQ4L

Date: 27-Dec-2024 09:41:47

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50	1.879	1.886	-0.007	98	11120	0.1737	
6 Vinyl chloride	62		1.989				ND	7
9 Bromomethane	94		2.282				ND	
10 Chloroethane	64		2.312				ND	
18 1,1-Dichloroethene	96		3.026				ND	7
19 Acetone	43	3.074	3.056	0.018	66	7114	1.82	
24 Carbon disulfide	76	3.275	3.282	-0.007	97	4702	0.0341	
29 Methylene Chloride	84		3.587				ND	
* 30 t-Butyl alcohol-d10 (IS)	65	3.605	3.617	-0.012	22	68063	50.0	
33 Methyl tert-butyl ether	73		3.934				ND	
34 trans-1,2-Dichloroethene	96		3.934				ND	
37 1,1-Dichloroethane	63		4.562				ND	
41 2-Butanone (MEK)	43		5.397				ND	
42 cis-1,2-Dichloroethene	96	5.427	5.422	0.005	83	7924	0.1638	
49 Chlorobromomethane	128		5.757				ND	
51 Chloroform	83	5.927	5.921	0.006	90	8001	0.1018	
\$ 52 Dibromofluoromethane (Surr)	113	6.135	6.141	-0.006	93	414295	10.5	
53 1,1,1-Trichloroethane	97		6.147				ND	U
55 Carbon tetrachloride	117		6.360				ND	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.598	6.598	0.000	66	78535	10.5	
60 Benzene	78		6.629				ND	7
61 1,2-Dichloroethane	62		6.702				ND	
* 64 Fluorobenzene (IS)	96	7.049	7.049	0.000	99	1668183	10.0	
68 Trichloroethene	95	7.549	7.543	0.006	96	15779	0.3316	
70 1,2-Dichloropropane	63		7.872				ND	
76 Dichlorobromomethane	83		8.232				ND	
81 cis-1,3-Dichloropropene	75		8.805				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.012				ND	
\$ 83 Toluene-d8 (Surr)	98	9.140	9.140	0.000	94	1671412	9.72	
84 Toluene	92	9.232	9.226	0.006	97	8561	0.0717	
85 trans-1,3-Dichloropropene	75		9.524				ND	
107 1,1,2-Trichloroethane	97		9.744				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
108 Tetrachloroethene	166	9.829	9.829	0.000	97	92996	1.73	
110 2-Hexanone	43		9.988				ND	
112 Chlorodibromomethane	129		10.140				ND	
113 Ethylene Dibromide	107		10.250				ND	
* 114 Chlorobenzene-d5 (IS)	117	10.707	10.707	0.000	86	1238654	10.0	
116 Chlorobenzene	112		10.738				ND	
117 1,1,1,2-Tetrachloroethane	131		10.823				ND	
118 Ethylbenzene	91		10.835				ND	7
120 m-Xylene & p-Xylene	106	10.957	10.951	0.006	95	4184	0.0467	
S 119 Xylenes, Total	106		11.245				ND	7
121 o-Xylene	106		11.292				ND	7
122 Styrene	104		11.311				ND	
123 Bromoform	173		11.463				ND	
\$ 127 4-Bromofluorobenzene (Surr)	95	11.749	11.743	0.006	97	531639	8.95	
128 1,1,2,2-Tetrachloroethane	83		11.859				ND	
* 142 1,4-Dichlorobenzene-d4	152	12.633	12.640	-0.007	95	634161	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSV_29_826ISS_00058

Amount Added: 1.20

Units: uL

Run Reagent

Report Date: 27-Dec-2024 09:41:48

Chrom Revision: 2.3 17-Dec-2024 12:44:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X15.D

Injection Date: 26-Dec-2024 14:39:30

Instrument ID: 16334

Operator ID: ecr105096

Lims ID: 410-201498-A-5

Lab Sample ID: 410-201498-5

Worklist Smp#: 16

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

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

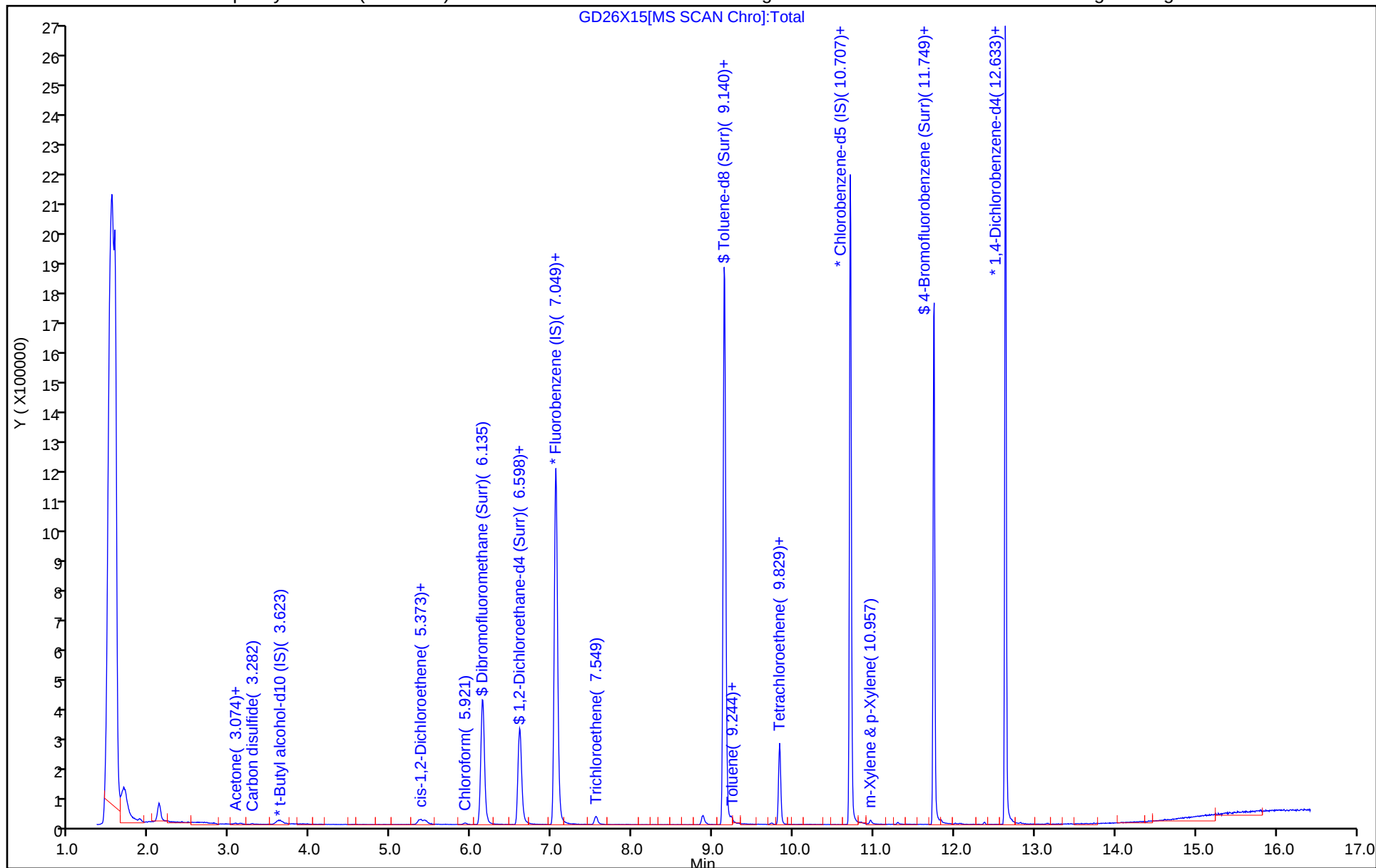
ALS Bottle#: 15

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\20241226-134250.b\GD26X15.D
Lims ID: 410-201498-A-5
Client ID: HD-COD-SW-13-0/1-0
Sample Type: Client
Inject. Date: 26-Dec-2024 14:39:30 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0134250-016
Operator ID: ecr105096 Instrument ID: 16334
Method: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 27-Dec-2024 09:41:47 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: CTX1647

First Level Reviewer: FQ4L

Date: 27-Dec-2024 09:41:47

Compound	Amount Added	Amount Recovered	% Rec.
\$ 52 Dibromofluoromethane (Surr)	10.0	10.5	105.26
\$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.5	104.59
\$ 83 Toluene-d8 (Surr)	10.0	9.72	97.22
\$ 127 4-Bromofluorobenzene (Surr)	10.0	8.95	89.54

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X15.D

Injection Date: 26-Dec-2024 14:39:30

Instrument ID: 16334

Lims ID: 410-201498-A-5

Lab Sample ID: 410-201498-5

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

Operator ID: ecr105096

ALS Bottle#: 15

Worklist Smp#: 16

Purge Vol: 25.000 mL

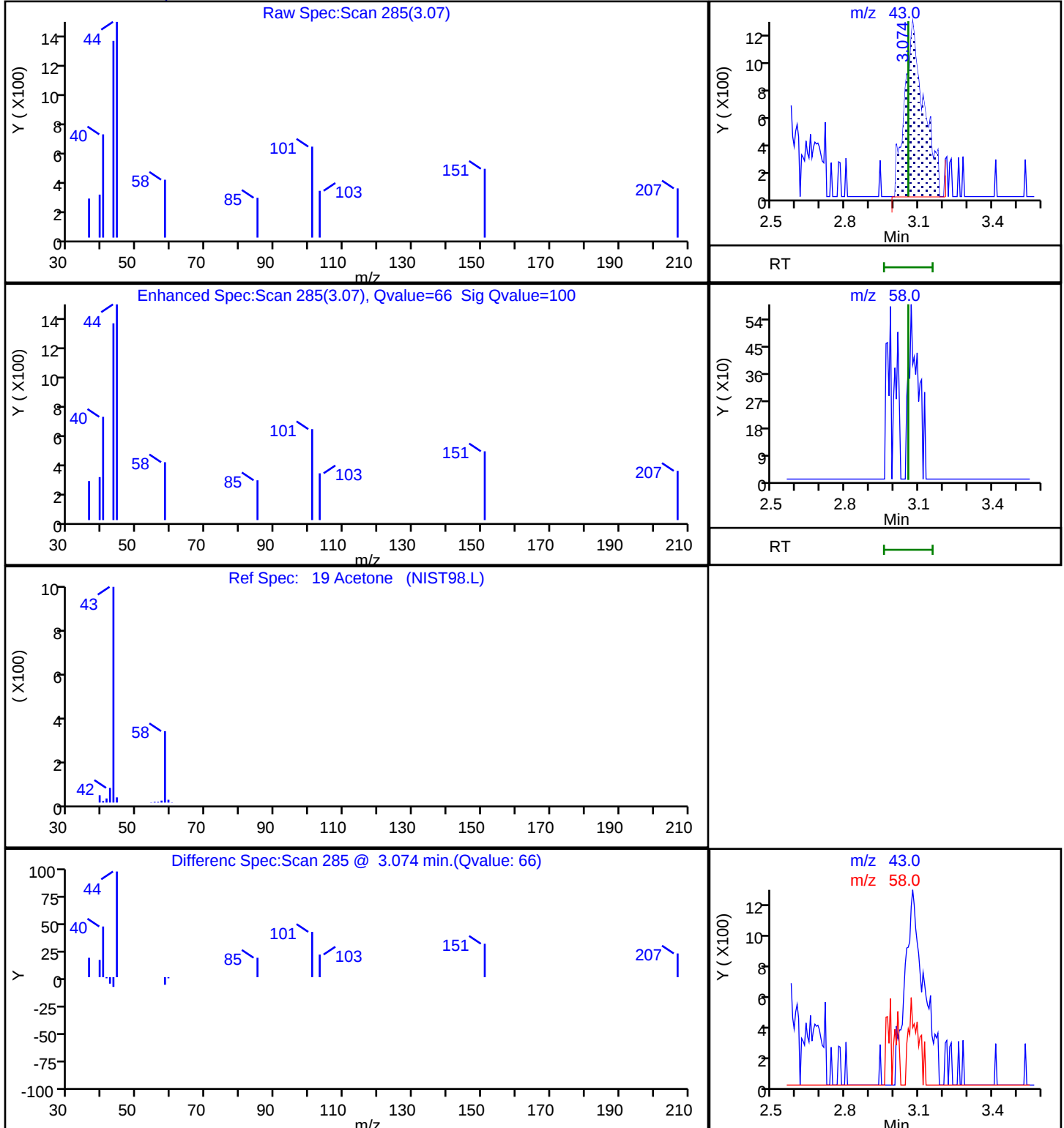
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

19 Acetone, CAS: 67-64-1

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X15.D

Injection Date: 26-Dec-2024 14:39:30

Instrument ID: 16334

Lims ID: 410-201498-A-5

Lab Sample ID: 410-201498-5

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

Operator ID: ecr105096

ALS Bottle#: 15

Worklist Smp#: 16

Purge Vol: 25.000 mL

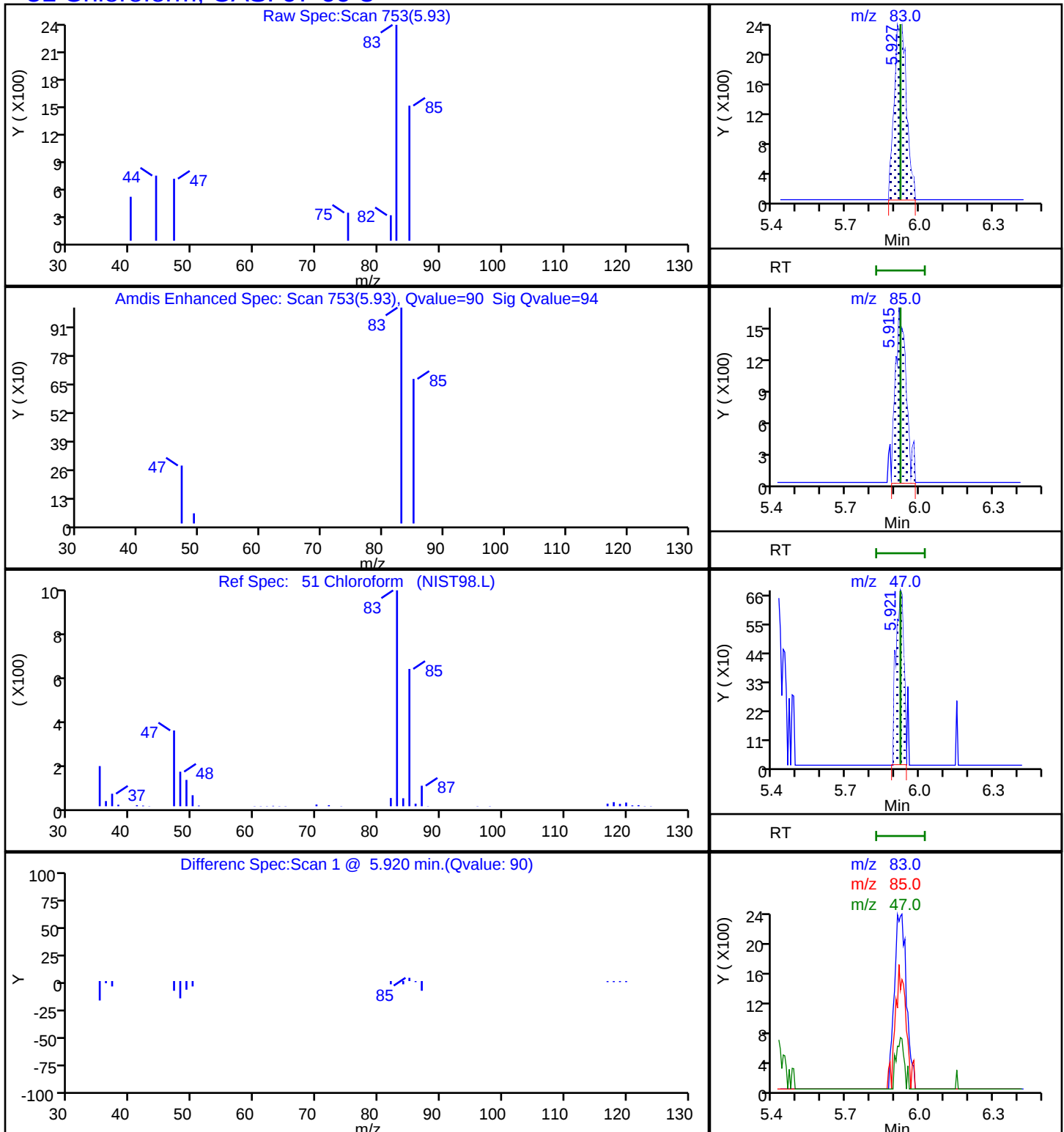
Dil. Factor: 1.0000

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\20241226-134250.b\GD26X15.D

Injection Date: 26-Dec-2024 14:39:30

Instrument ID: 16334

Lims ID: 410-201498-A-5

Lab Sample ID: 410-201498-5

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

Operator ID: ecr105096

ALS Bottle#: 15

Worklist Smp#: 16

Purge Vol: 25.000 mL

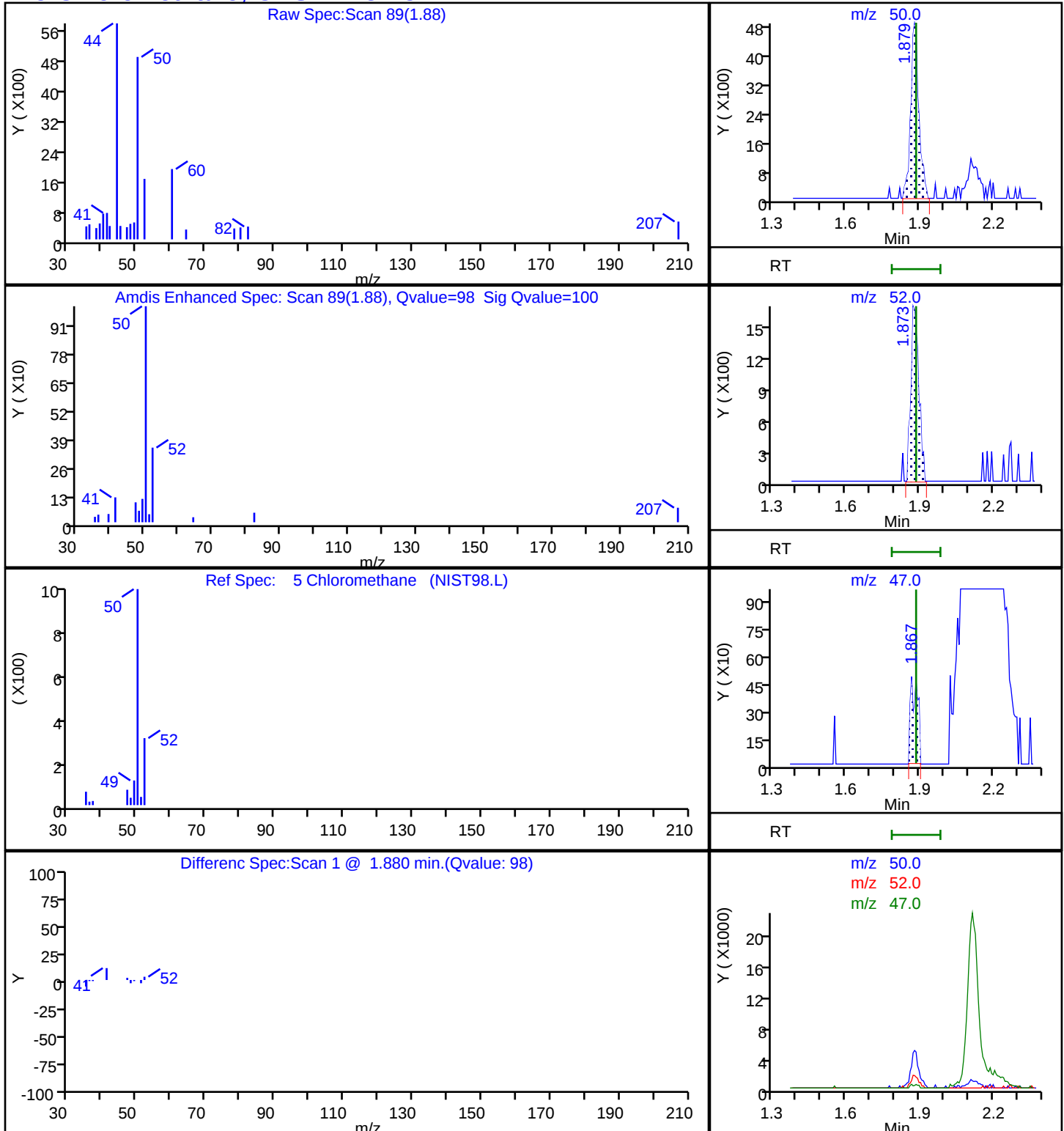
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

5 Chloromethane, CAS: 74-87-3

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X15.D

Injection Date: 26-Dec-2024 14:39:30

Instrument ID: 16334

Lims ID: 410-201498-A-5

Lab Sample ID: 410-201498-5

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

Operator ID: ecr105096

ALS Bottle#: 15

Worklist Smp#: 16

Purge Vol: 25.000 mL

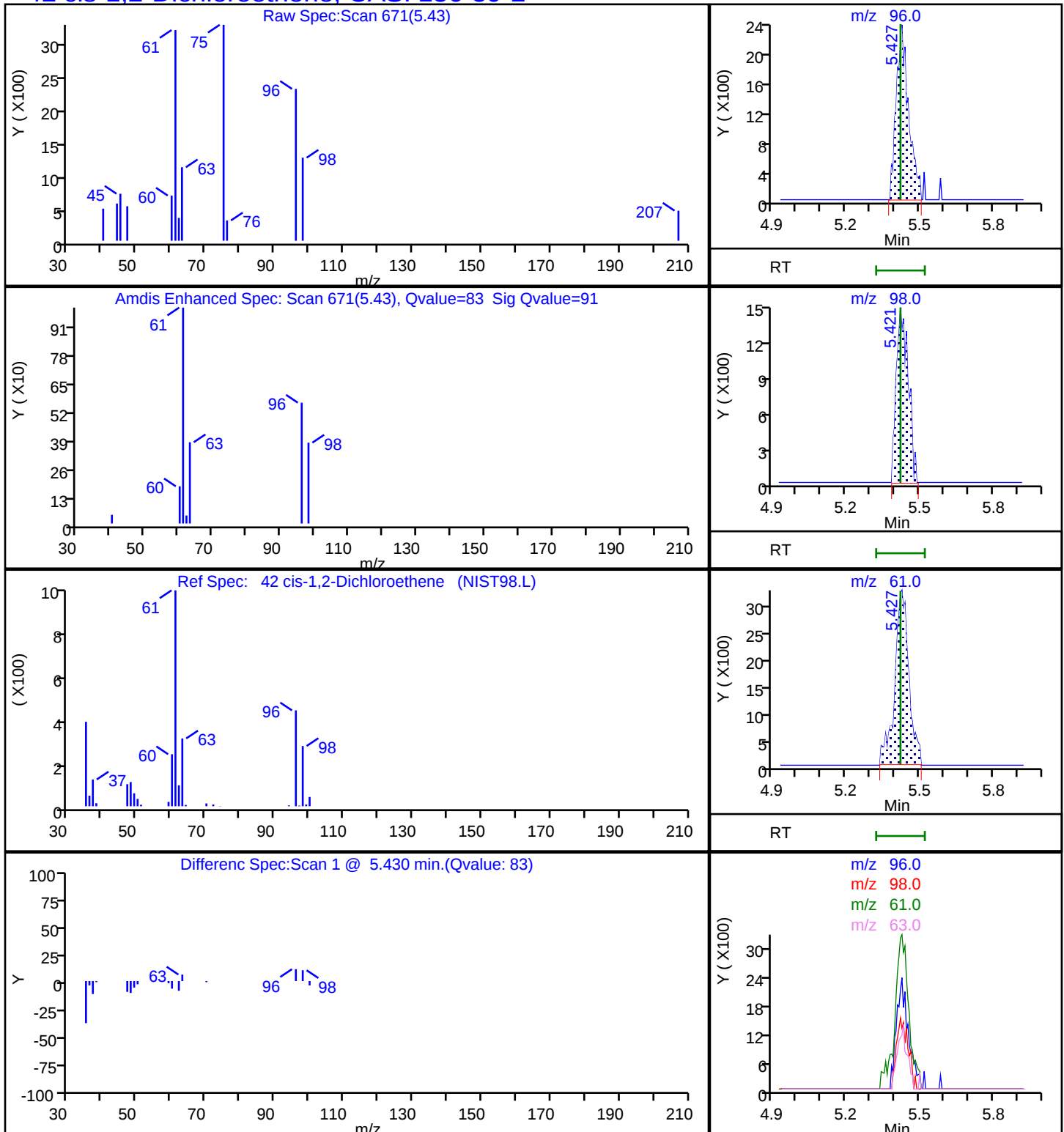
Dil. Factor: 1.0000

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\20241226-134250.b\GD26X15.D

Injection Date: 26-Dec-2024 14:39:30

Instrument ID: 16334

Lims ID: 410-201498-A-5

Lab Sample ID: 410-201498-5

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

Operator ID: ecr105096

ALS Bottle#: 15

Worklist Smp#: 16

Purge Vol: 25.000 mL

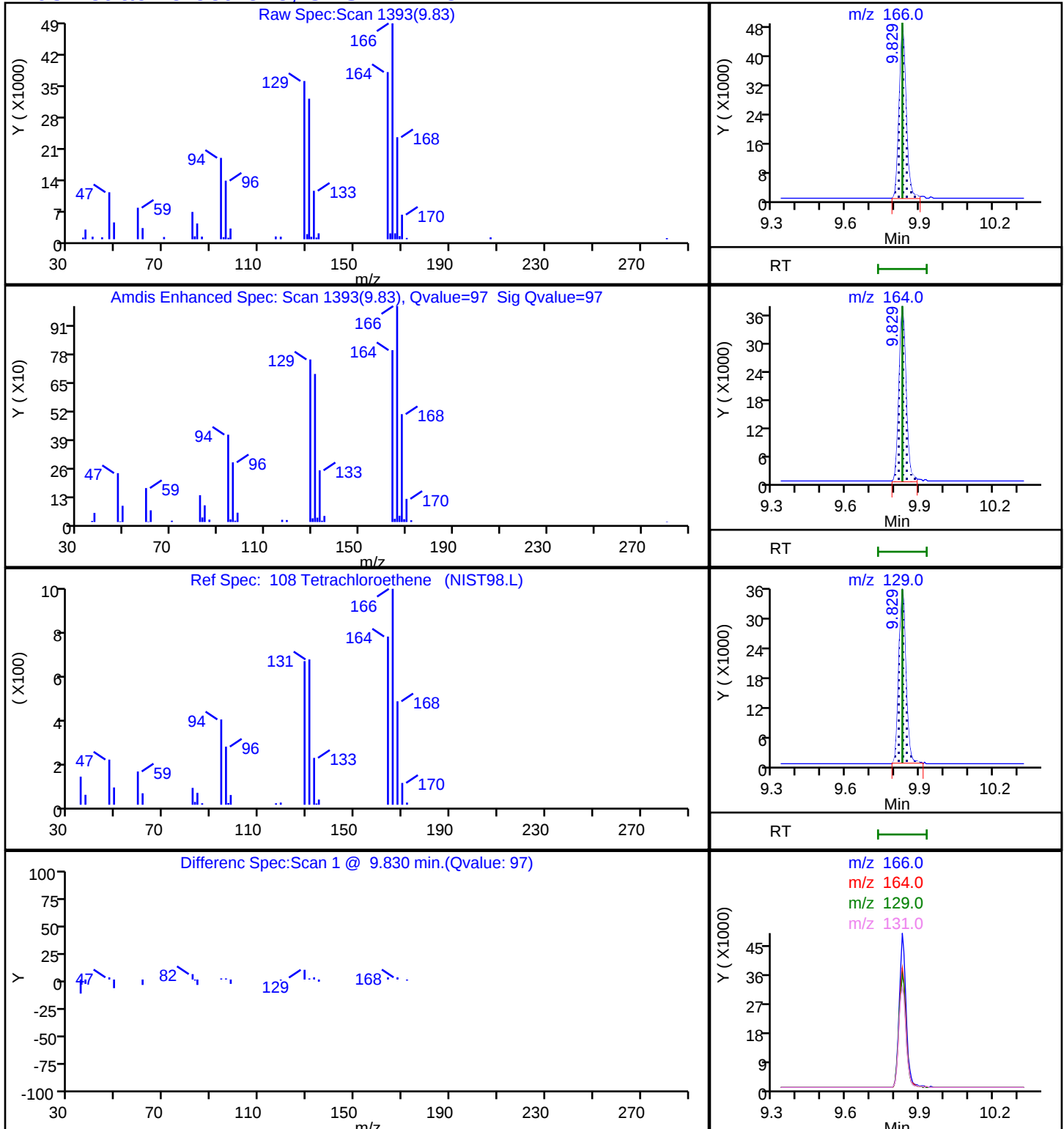
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

108 Tetrachloroethene, CAS: 127-18-4

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X15.D

Injection Date: 26-Dec-2024 14:39:30

Instrument ID: 16334

Lims ID: 410-201498-A-5

Lab Sample ID: 410-201498-5

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

Operator ID: ecr105096

ALS Bottle#: 15

Worklist Smp#: 16

Purge Vol: 25.000 mL

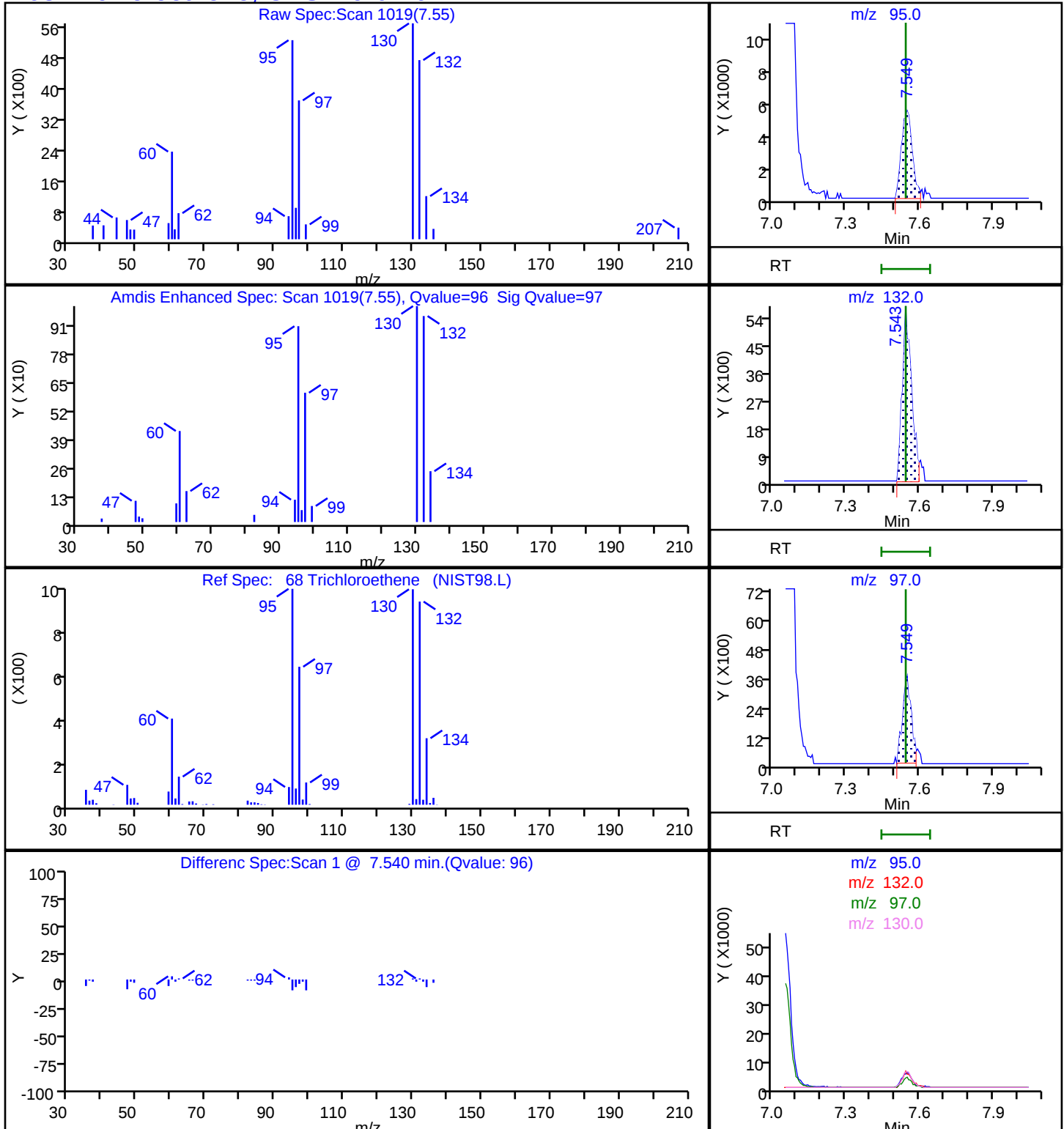
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

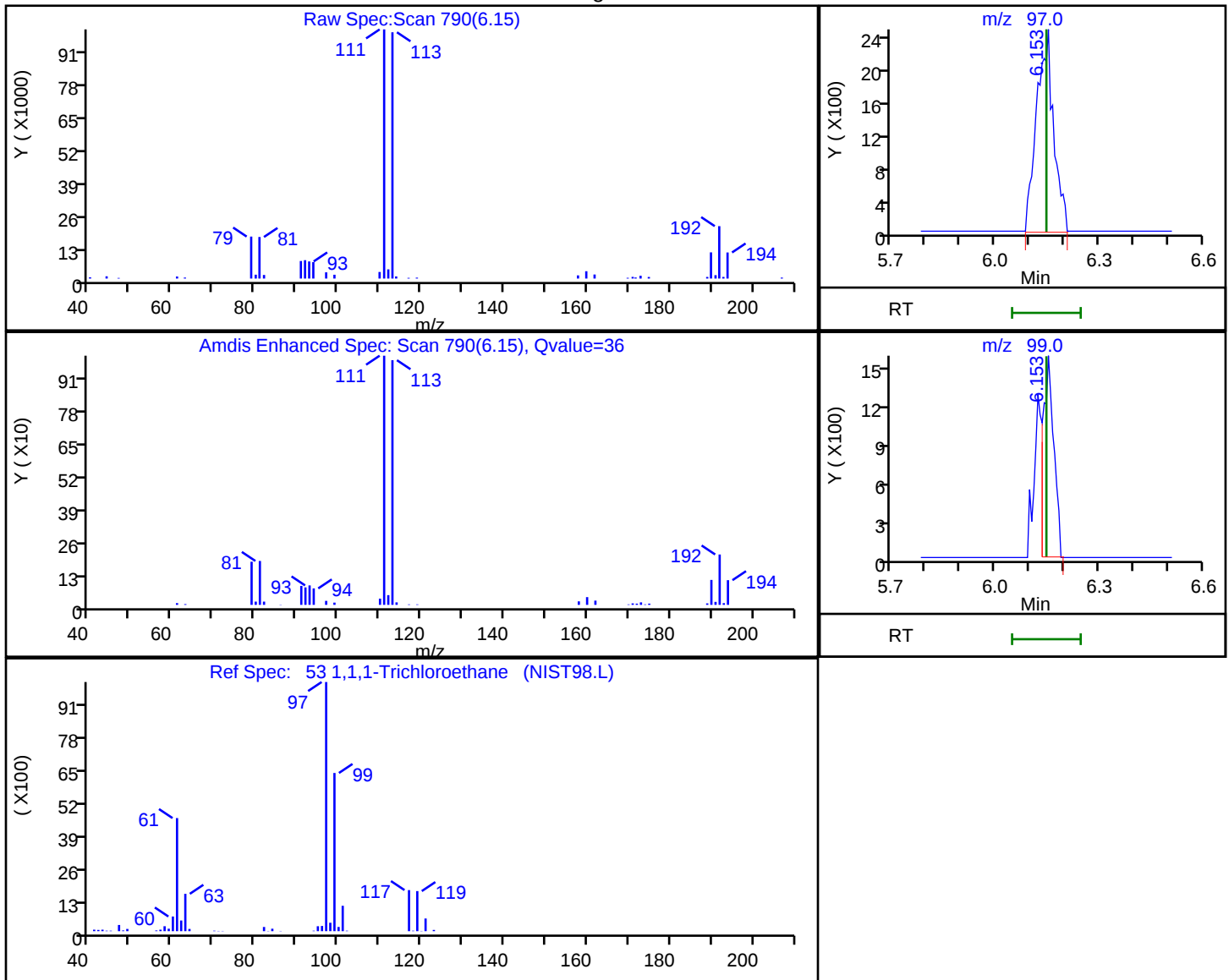
68 Trichloroethene, CAS: 79-01-6

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X15.D
Injection Date: 26-Dec-2024 14:39:30 Instrument ID: 16334
Lims ID: 410-201498-A-5 Lab Sample ID: 410-201498-5
Client ID: HD-COD-SW-13-0/1-0
Operator ID: ecr105096 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

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

Processing Results



RT	Mass	Response	Amount
6.15	97.00	8481	0.121893
6.15	99.00	3189	

Reviewer: FQ4L, 27-Dec-2024 09:41:34 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.: 410-201498-1

SDG No.:

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

Lab Sample ID: 410-201498-6

Matrix: Water

Lab File ID: GD26X16.D

Analysis Method: 8260D

Date Collected: 12/18/2024 11:30

Sample wt/vol: 25 (mL)

Date Analyzed: 12/26/2024 15:01

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.: 589906

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	0.45	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	0.15	J FH	0.50	0.10
75-35-4	1,1-Dichloroethene	0.22	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	FH	0.50	0.10
78-93-3	2-Butanone (MEK)	ND		5.0	1.0
591-78-6	2-Hexanone	ND		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	ND		5.0	1.5
71-43-2	Benzene	ND		0.50	0.10
74-97-5	Bromochloromethane	ND		0.50	0.080
75-27-4	Bromodichloromethane	ND	FH	0.50	0.080
75-25-2	Bromoform	ND		1.0	0.30
74-83-9	Bromomethane	ND		0.50	0.10
75-15-0	Carbon disulfide	ND		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	FH	0.50	0.10
67-66-3	Chloroform	0.19	J FH	0.50	0.090
74-87-3	Chloromethane	0.20	J	0.50	0.10
156-59-2	cis-1,2-Dichloroethene	2.0		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND	FH	0.50	0.070
127-18-4	Tetrachloroethene	6.8		0.50	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-201498-1

SDG No.:

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

Lab Sample ID: 410-201498-6

Matrix: Water

Lab File ID: GD26X16.D

Analysis Method: 8260D

Date Collected: 12/18/2024 11:30

Sample wt/vol: 25 (mL)

Date Analyzed: 12/26/2024 15:01

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.: 589906

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	FH	0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.080
79-01-6	Trichloroethene	1.6		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)	103		80-120
460-00-4	4-Bromofluorobenzene (Surr)	89		80-120
1868-53-7	Dibromofluoromethane (Surr)	105		80-120
2037-26-5	Toluene-d8 (Surr)	95		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X16.D
 Lims ID: 410-201498-A-6
 Client ID: HD-COD-SW-15-0/1-0
 Sample Type: Client
 Inject. Date: 26-Dec-2024 15:01:30 ALS Bottle#: 16 Worklist Smp#: 17
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0134250-017
 Operator ID: ecr105096 Instrument ID: 16334
 Method: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\MSV_16334_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 27-Dec-2024 09:42:45 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: CTX1647

First Level Reviewer: FQ4L

Date: 27-Dec-2024 09:42:45

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116		1.678				ND	
2 Dichlorodifluoromethane	85		1.715				ND	
3 Chlorodifluoromethane	51		1.727				ND	7
4 Dimethyl ether	45	1.873	1.885	-0.012	13	709	NC	
5 Chloromethane	50	1.885	1.886	-0.001	98	13261	0.2031	
7 Butadiene	39		1.971				ND	7
6 Vinyl chloride	62		1.989				ND	
8 2-Chloro-1,1,1-Trifluoroethane	118		2.032				ND	
9 Bromomethane	94		2.282				ND	
10 Chloroethane	64		2.312				ND	
11 Dichlorofluoromethane	67		2.514				ND	7
12 Trichlorofluoromethane	101		2.605				ND	
13 Ethyl ether	59		2.770				ND	
16 1,2-Dichloro-1,1,2-trifluoroethane	67		2.849				ND	
17 Acrolein	56		2.916				ND	
18 1,1-Dichloroethene	96	3.032	3.026	0.006	96	8431	0.2197	
19 Acetone	43		3.056				ND	U
20 1,1,2-Trichloro-1,2,2-trifluoroethane	101		3.068				ND	
14 Ethanol	45		3.184				ND	
21 Isopropyl alcohol	45		3.190				ND	
22 Iodomethane	142		3.190				ND	
T 15 Ethanol TIC	45		3.190				ND	7
23 Ethyl bromide	108		3.215				ND	
24 Carbon disulfide	76		3.282				ND	7
25 Methyl acetate	43		3.416				ND	
26 Acetonitrile	41		3.422				ND	
27 3-Chloro-1-propene	41		3.428				ND	
29 Methylene Chloride	84		3.587				ND	
* 30 t-Butyl alcohol-d10 (IS)	65	3.617	3.617	0.000	25	65203	50.0	
31 2-Methyl-2-propanol	59		3.708				ND	
32 Acrylonitrile	53		3.885				ND	
33 Methyl tert-butyl ether	73	3.940	3.934	0.006	5	2826	0.0330	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
34 trans-1,2-Dichloroethene	96		3.934				ND	
T 28 Acetonitrile TIC	41	3.958	3.961	-0.003	18	200	0.001175	
35 Hexane	57		4.330				ND	
37 1,1-Dichloroethane	63	4.574	4.562	0.012	94	12179	0.1491	a
36 Vinyl acetate	43		4.580				ND	
38 Isopropyl ether	45		4.629				ND	
39 2-Chloro-1,3-butadiene	53		4.678				ND	
40 Tert-butyl ethyl ether	59		5.190				ND	7
41 2-Butanone (MEK)	43		5.397				ND	
42 cis-1,2-Dichloroethene	96	5.427	5.422	0.005	80	101001	2.05	
43 2,2-Dichloropropane	77		5.434				ND	7
45 Propionitrile	54		5.482				ND	
44 Ethyl acetate	43		5.488				ND	U
48 Methacrylonitrile	67		5.702				ND	
49 Chlorobromomethane	128		5.757				ND	
50 Tetrahydrofuran	71		5.781				ND	
51 Chloroform	83	5.921	5.921	0.000	93	15080	0.1881	
46 Methyl acrylate	55		6.141				ND	
\$ 52 Dibromofluoromethane (Surr)	113	6.141	6.141	0.000	93	422208	10.5	
53 1,1,1-Trichloroethane	97	6.147	6.147	0.000	39	31636	0.4458	
S 47 1,2-Dichloroethene, Total	100				0		2.05	
54 Cyclohexane	56		6.245				ND	
55 Carbon tetrachloride	117		6.360				ND	7
56 1,1-Dichloropropene	75		6.366				ND	
58 Isobutyl alcohol	41		6.574				ND	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.598	6.598	0.000	66	79171	10.3	
60 Benzene	78		6.629				ND	
61 1,2-Dichloroethane	62		6.702				ND	
62 Isopropyl acetate	43		6.756				ND	
63 Tert-amyl methyl ether	73		6.842				ND	
* 64 Fluorobenzene (IS)	96	7.049	7.049	0.000	99	1701423	10.0	
57 1-Chlorobutane	56	7.086	7.067	0.019	1	1201	NC	
65 n-Heptane	43		7.080				ND	7
67 n-Butanol	56		7.482				ND	
68 Trichloroethene	95	7.549	7.543	0.006	99	77875	1.60	
69 Methylcyclohexane	83		7.848				ND	
70 1,2-Dichloropropane	63		7.872				ND	
66 t-Amyl alcohol	73		7.903				ND	
71 2-ethoxy-2-methyl butane	87		7.909				ND	
73 1,4-Dioxane	88		7.982				ND	
74 Dibromomethane	93		7.988				ND	
72 Methyl methacrylate	69		7.994				ND	
75 n-Propyl acetate	61		8.085				ND	
76 Dichlorobromomethane	83		8.232				ND	
77 2-Nitropropane	41		8.518				ND	
78 2-Chloroethyl vinyl ether	63		8.622				ND	
79 1-Bromo-2-chloroethane	63		8.628				ND	
81 cis-1,3-Dichloropropene	75		8.805				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.012				ND	
\$ 83 Toluene-d8 (Surr)	98	9.146	9.140	0.006	94	1681756	9.54	
80 Chloroacetonitrile	75	9.134	9.158	-0.024	18	200	NC	
84 Toluene	92	9.219	9.226	-0.007	95	4960	0.0405	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
85 trans-1,3-Dichloropropene	75		9.524				ND	
86 Ethyl methacrylate	69		9.610				ND	
107 1,1,2-Trichloroethane	97		9.744				ND	
108 Tetrachloroethene	166	9.829	9.829	0.000	97	376488	6.82	
109 1,3-Dichloropropane	76		9.915				ND	
110 2-Hexanone	43		9.988				ND	
T 98 Epibromohydrin TIC	57		10.000				ND	
T 90 Nitrobenzene TIC	77	10.341	10.000	0.341	1	106	0.000623	
T 101 2-Chloroethanol TIC	44	10.487	10.000	0.487	1	527	0.003097	
T 97 2-Bromo-3-chloropropene TIC	75	10.707	10.000	0.707	4	20943	0.1231	
T 87 Chloroacetaldehyde TIC	50		10.000				ND	
T 92 2-Bromoethanol TIC	45	9.140	10.000	-0.860	6	1902	0.0112	
T 103 Decamethylcyclopentasiloxane TIC	73	10.707	10.000	0.707	1	5448	0.0320	
T 104 Ethylene oxide TIC	43		10.000				ND	
T 95 2,3-Dibromo-1-propanol TIC	57		10.000				ND	
T 99 2,3-Dibromopropene TIC	119	9.829	10.000	-0.171	1	3058	0.0180	
T 94 Isopropyl alcohol TIC	45	9.140	10.000	-0.860	15	1902	0.0112	
T 89 Vinyl bromide TIC	106	10.841	10.000	0.841	1	229	0.001346	
T 105 Vinyl acetate (TIC)	43		10.000				ND	
T 96 Methyl acrylate TIC	55	10.707	10.000	0.707	22	11932	0.0701	
T 100 Octamethylcyclotetrasiloxane TIC	74	11.835	10.000	1.835	74	5566	0.0327	
T 91 Epichlorohydrin TIC	57		10.000				ND	
T 93 Monochloroacetic acid TIC	50		10.000				ND	
T 88 Hexachloroethane TIC	117	9.829	10.000	-0.171	12	3657	0.0215	
T 102 3-Chloro-1,2-propanediol TIC	43		10.000				ND	
S 106 1,3-Dichloropropene, Total	100		10.060				ND	7
111 n-Butyl acetate	43		10.134				ND	
112 Chlorodibromomethane	129		10.140				ND	
113 Ethylene Dibromide	107		10.250				ND	
* 114 Chlorobenzene-d5 (IS)	117	10.707	10.707	0.000	86	1269568	10.0	
115 1-Chlorohexane	91		10.731				ND	7
116 Chlorobenzene	112		10.738				ND	
117 1,1,1,2-Tetrachloroethane	131		10.823				ND	
118 Ethylbenzene	91		10.835				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		11.311				ND	
123 Bromoform	173		11.463				ND	
124 Isopropylbenzene	105		11.603				ND	
125 cis-1,4-Dichloro-2-butene	88		11.658				ND	
126 Cyclohexanone	55		11.682				ND	U
\$ 127 4-Bromofluorobenzene (Surr)	95	11.743	11.743	0.000	90	539308	8.86	
128 1,1,2,2-Tetrachloroethane	83		11.859				ND	
129 Bromobenzene	156		11.859				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	7
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		12.347				ND	
138 1,2,4-Trimethylbenzene	105		12.365				ND	7
139 sec-Butylbenzene	105		12.487				ND	
140 1,3-Dichlorobenzene	146		12.579				ND	7
141 4-Isopropyltoluene	119		12.597				ND	
* 142 1,4-Dichlorobenzene-d4	152	12.633	12.640	-0.007	95	648532	10.0	
143 1,4-Dichlorobenzene	146		12.652				ND	7
144 1,2,3-Trimethylbenzene	120		12.670				ND	7
145 Benzyl chloride	126		12.737				ND	
146 p-Diethylbenzene	119		12.871				ND	
147 n-Butylbenzene	92		12.890				ND	
148 1,2-Dichlorobenzene	146		12.914				ND	
150 1,2-Dibromo-3-Chloropropane	155		13.457				ND	
149 Hexachloroethane	201		13.499				ND	
151 1,3,5-Trichlorobenzene	180		13.585				ND	
152 1,2,4-Trichlorobenzene	180		14.005				ND	
153 Hexachlorobutadiene	225		14.091				ND	
154 Naphthalene	128		14.182				ND	
155 1,2,3-Trichlorobenzene	180		14.322				ND	
156 2-Methylnaphthalene	142		14.901				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	2.721	2.770	-0.049	1	798	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

NC - Not Calibrated

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

a - User Assigned ID

Reagents:

MSV_29_826ISS_00058

Amount Added: 1.20

Units: uL

Run Reagent

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X16.D

Injection Date: 26-Dec-2024 15:01:30

Instrument ID: 16334

Operator ID: ecr105096

Lims ID: 410-201498-A-6

Lab Sample ID: 410-201498-6

Worklist Smp#: 17

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

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

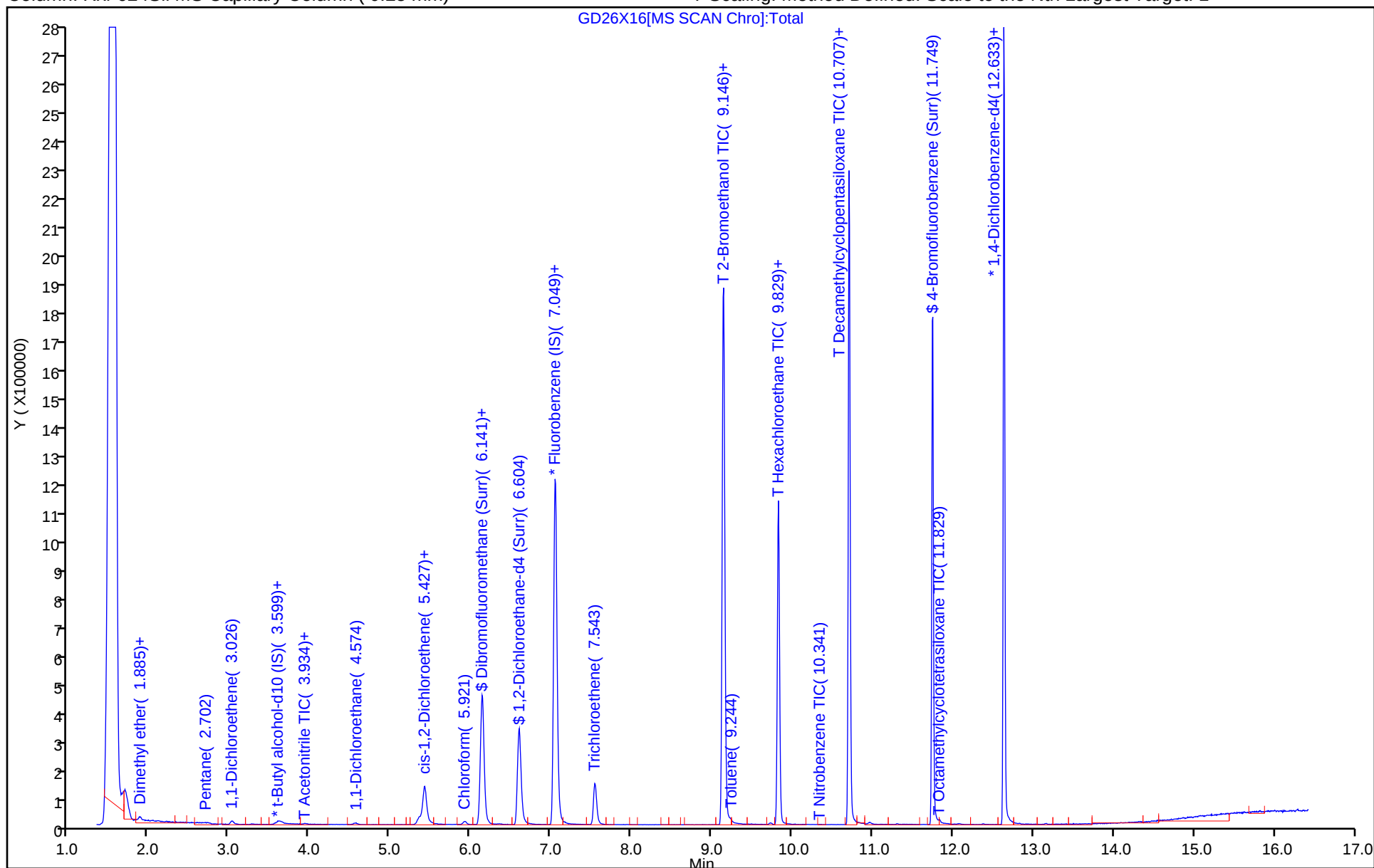
ALS Bottle#: 16

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\20241226-134250.b\GD26X16.D
Lims ID: 410-201498-A-6
Client ID: HD-COD-SW-15-0/1-0
Sample Type: Client
Inject. Date: 26-Dec-2024 15:01:30 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0134250-017
Operator ID: ecr105096 Instrument ID: 16334
Method: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 27-Dec-2024 09:42:45 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: CTX1647

First Level Reviewer: FQ4L

Date: 27-Dec-2024 09:42:45

Compound	Amount Added	Amount Recovered	% Rec.
\$ 52 Dibromofluoromethane (Surr)	10.0	10.5	105.18
\$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.3	103.38
\$ 83 Toluene-d8 (Surr)	10.0	9.54	95.44
\$ 127 4-Bromofluorobenzene (Surr)	10.0	8.86	88.62

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X16.D

Injection Date: 26-Dec-2024 15:01:30

Instrument ID: 16334

Lims ID: 410-201498-A-6

Lab Sample ID: 410-201498-6

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

Operator ID: ecr105096

ALS Bottle#: 16

Worklist Smp#: 17

Purge Vol: 25.000 mL

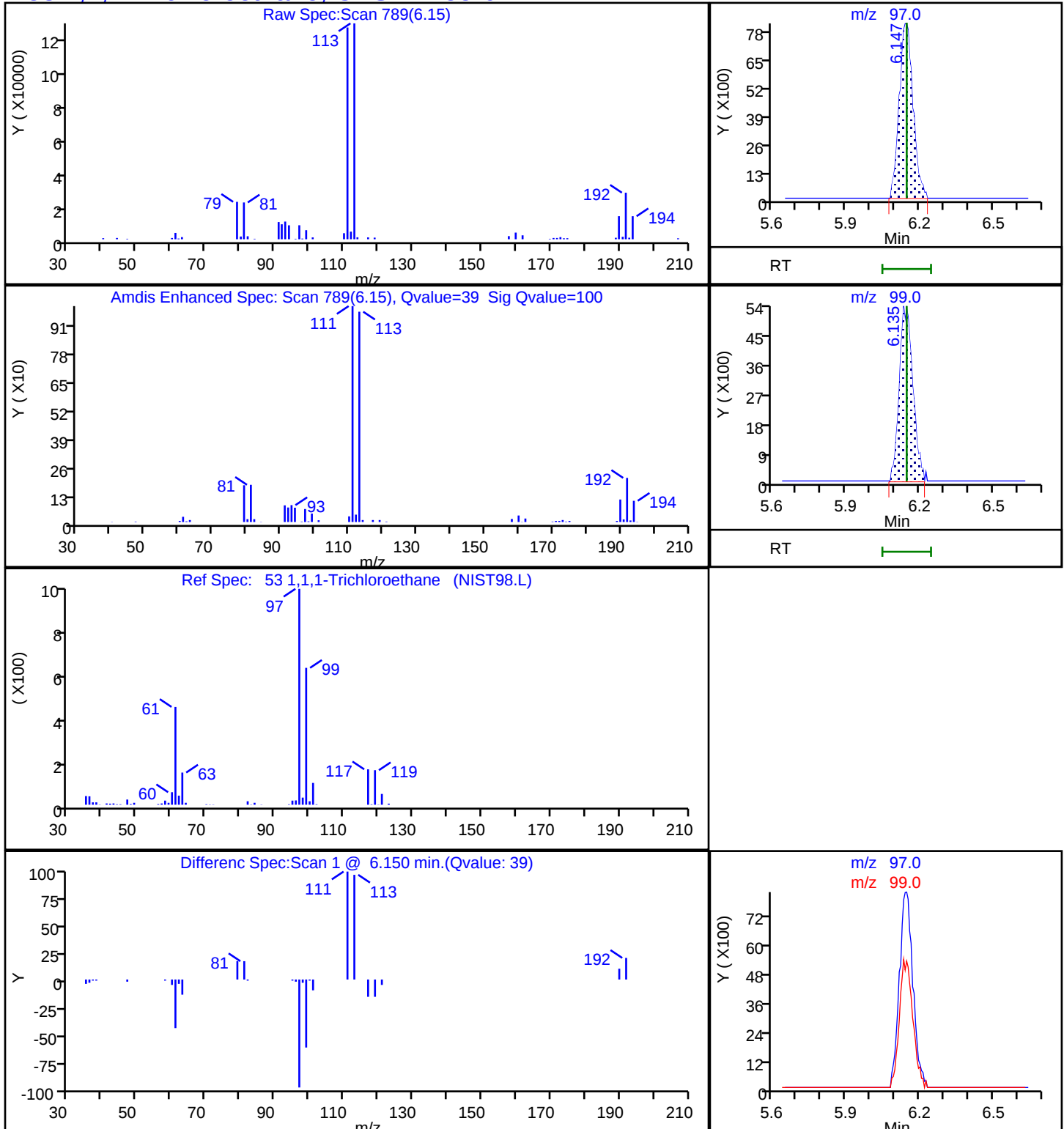
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

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

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X16.D

Injection Date: 26-Dec-2024 15:01:30

Instrument ID: 16334

Lims ID: 410-201498-A-6

Lab Sample ID: 410-201498-6

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

Operator ID: ecr105096

ALS Bottle#: 16

Worklist Smp#: 17

Purge Vol: 25.000 mL

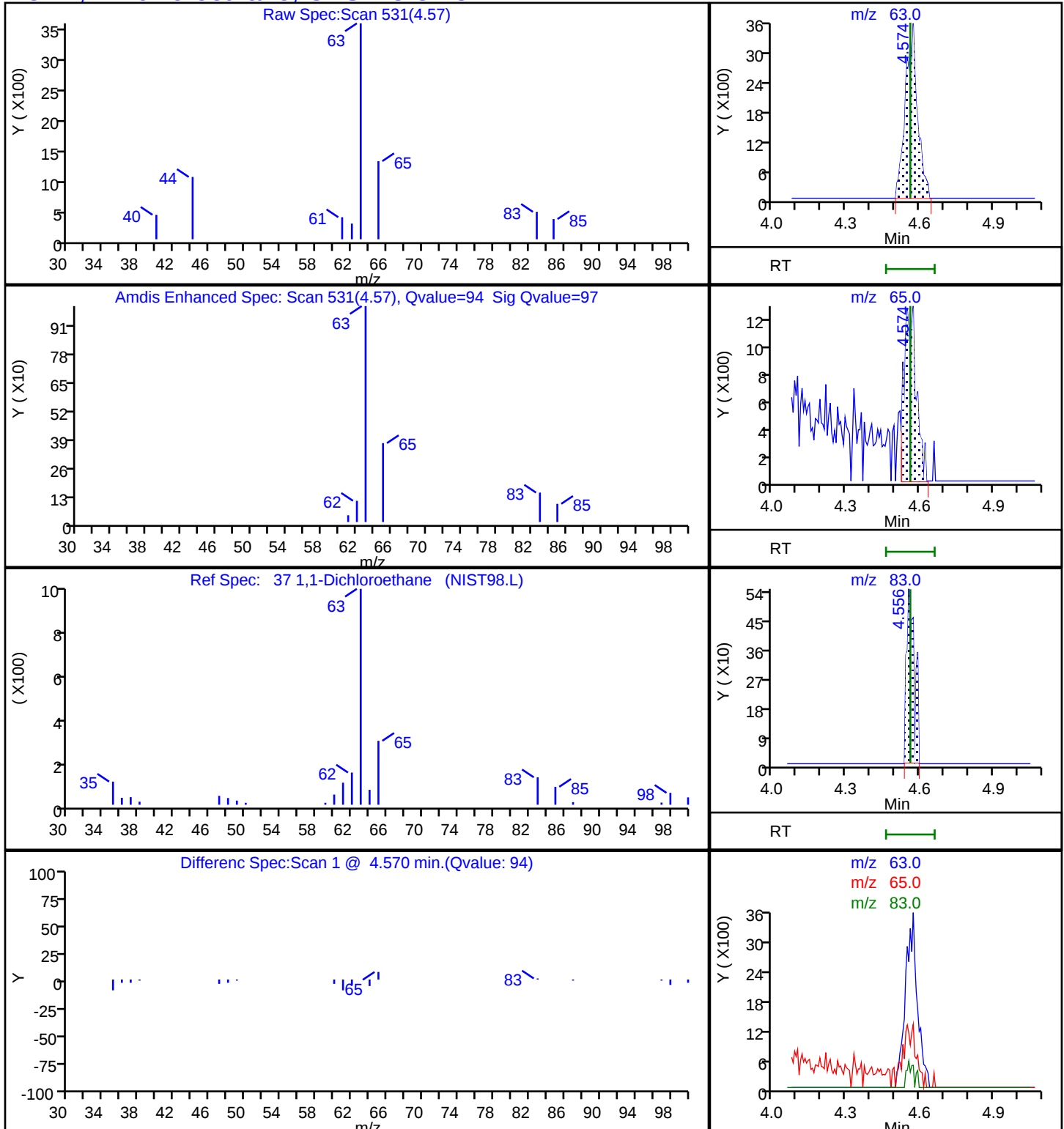
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

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

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X16.D

Injection Date: 26-Dec-2024 15:01:30

Instrument ID: 16334

Lims ID: 410-201498-A-6

Lab Sample ID: 410-201498-6

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

Operator ID: ecr105096

ALS Bottle#: 16

Worklist Smp#: 17

Purge Vol: 25.000 mL

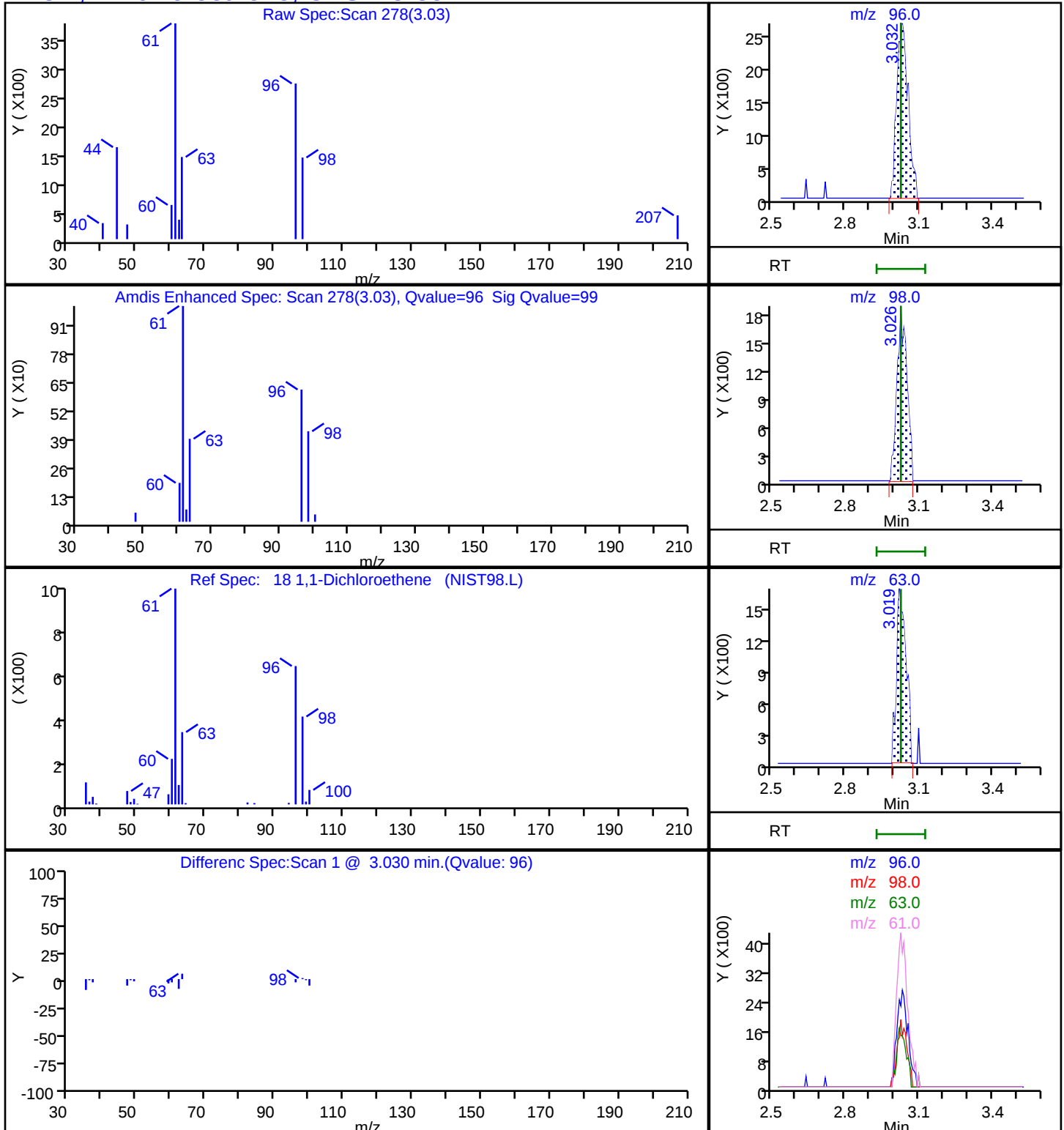
Dil. Factor: 1.0000

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

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X16.D

Injection Date: 26-Dec-2024 15:01:30

Instrument ID: 16334

Lims ID: 410-201498-A-6

Lab Sample ID: 410-201498-6

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

Operator ID: ecr105096

ALS Bottle#: 16

Worklist Smp#: 17

Purge Vol: 25.000 mL

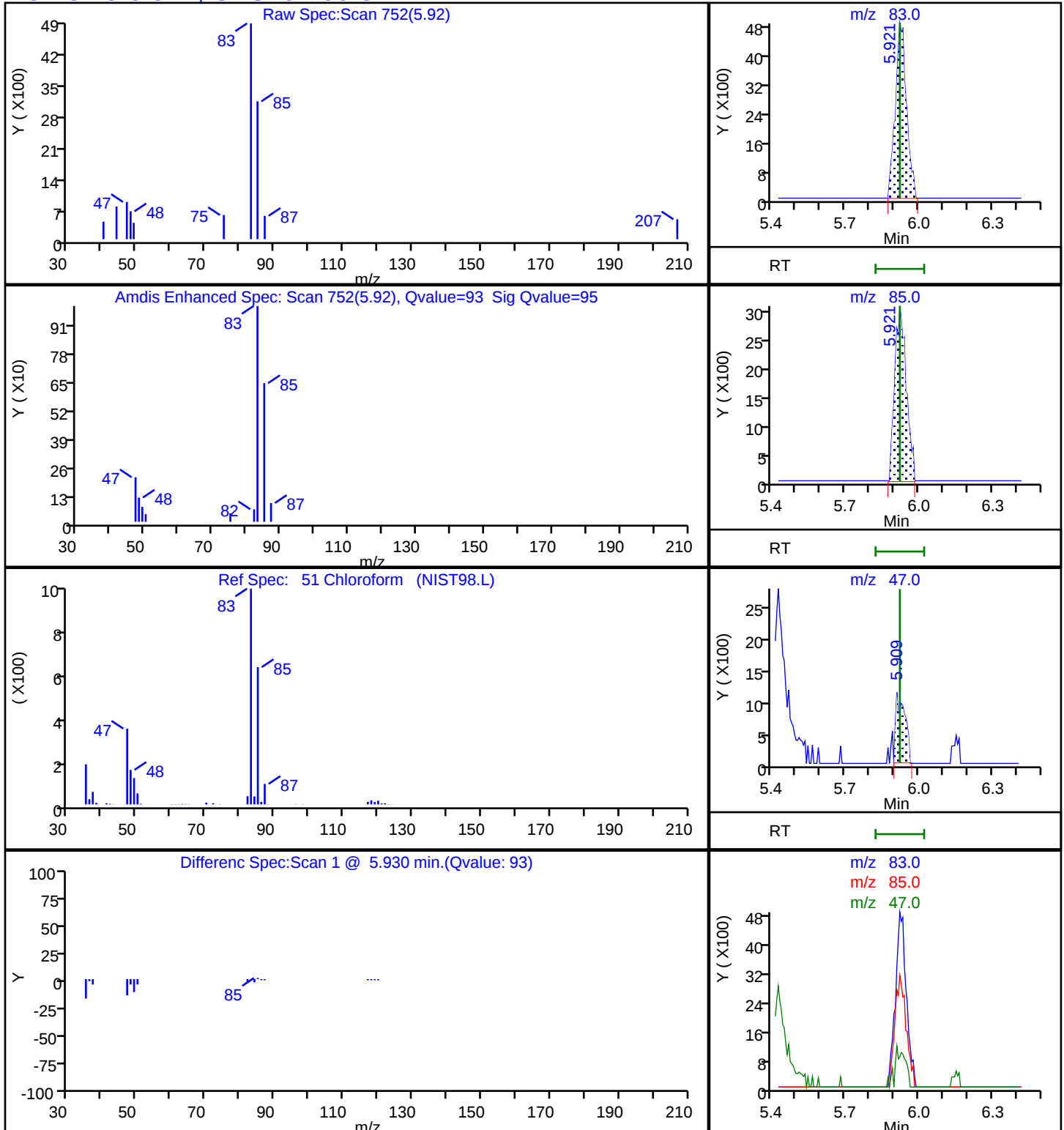
Dil. Factor: 1.0000

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\20241226-134250.b\GD26X16.D

Injection Date: 26-Dec-2024 15:01:30

Instrument ID: 16334

Lims ID: 410-201498-A-6

Lab Sample ID: 410-201498-6

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

Operator ID: ecr105096

ALS Bottle#: 16

Worklist Smp#: 17

Purge Vol: 25.000 mL

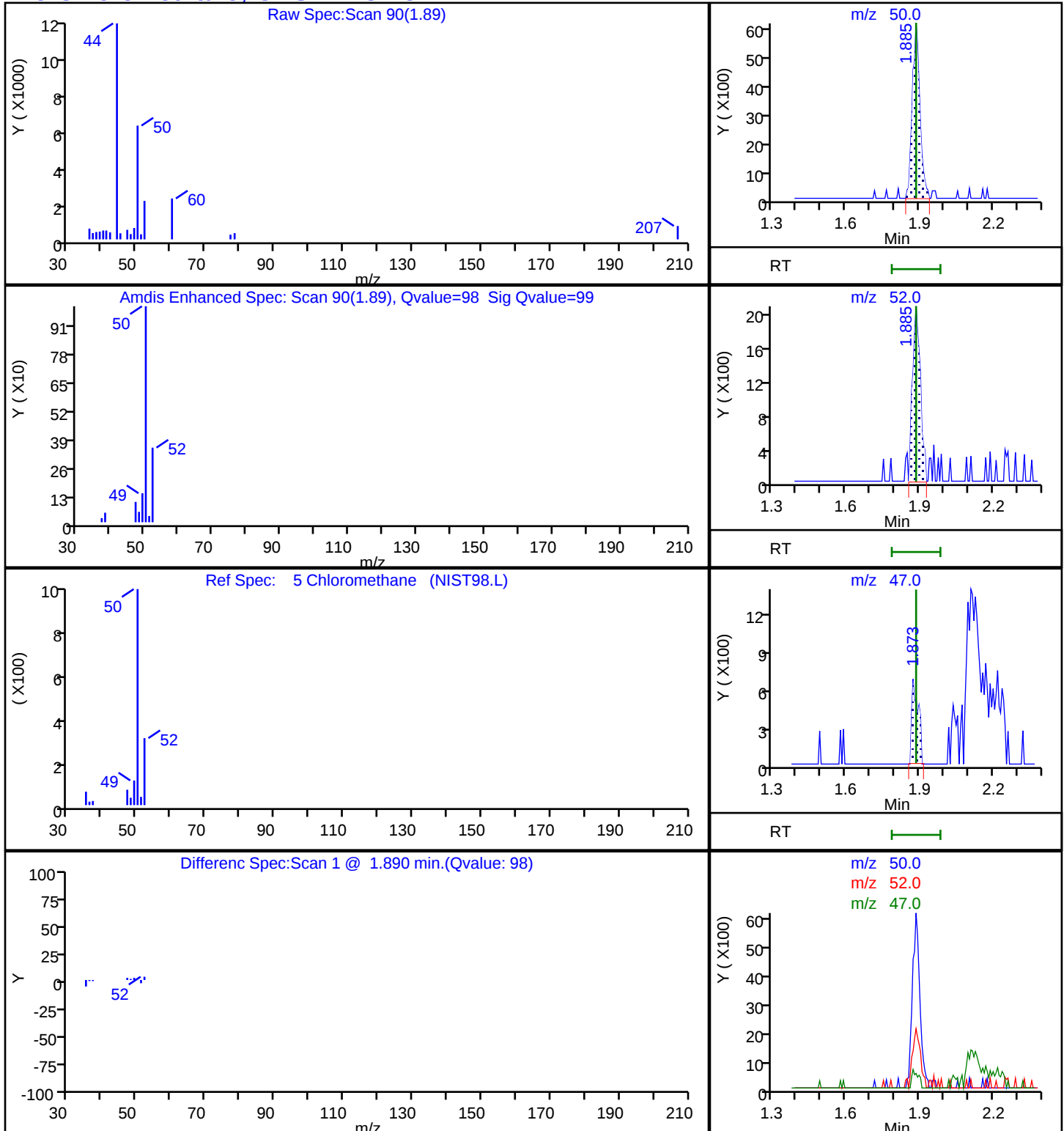
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

5 Chloromethane, CAS: 74-87-3

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X16.D

Injection Date: 26-Dec-2024 15:01:30

Instrument ID: 16334

Lims ID: 410-201498-A-6

Lab Sample ID: 410-201498-6

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

Operator ID: ecr105096

ALS Bottle#: 16

Worklist Smp#: 17

Purge Vol: 25.000 mL

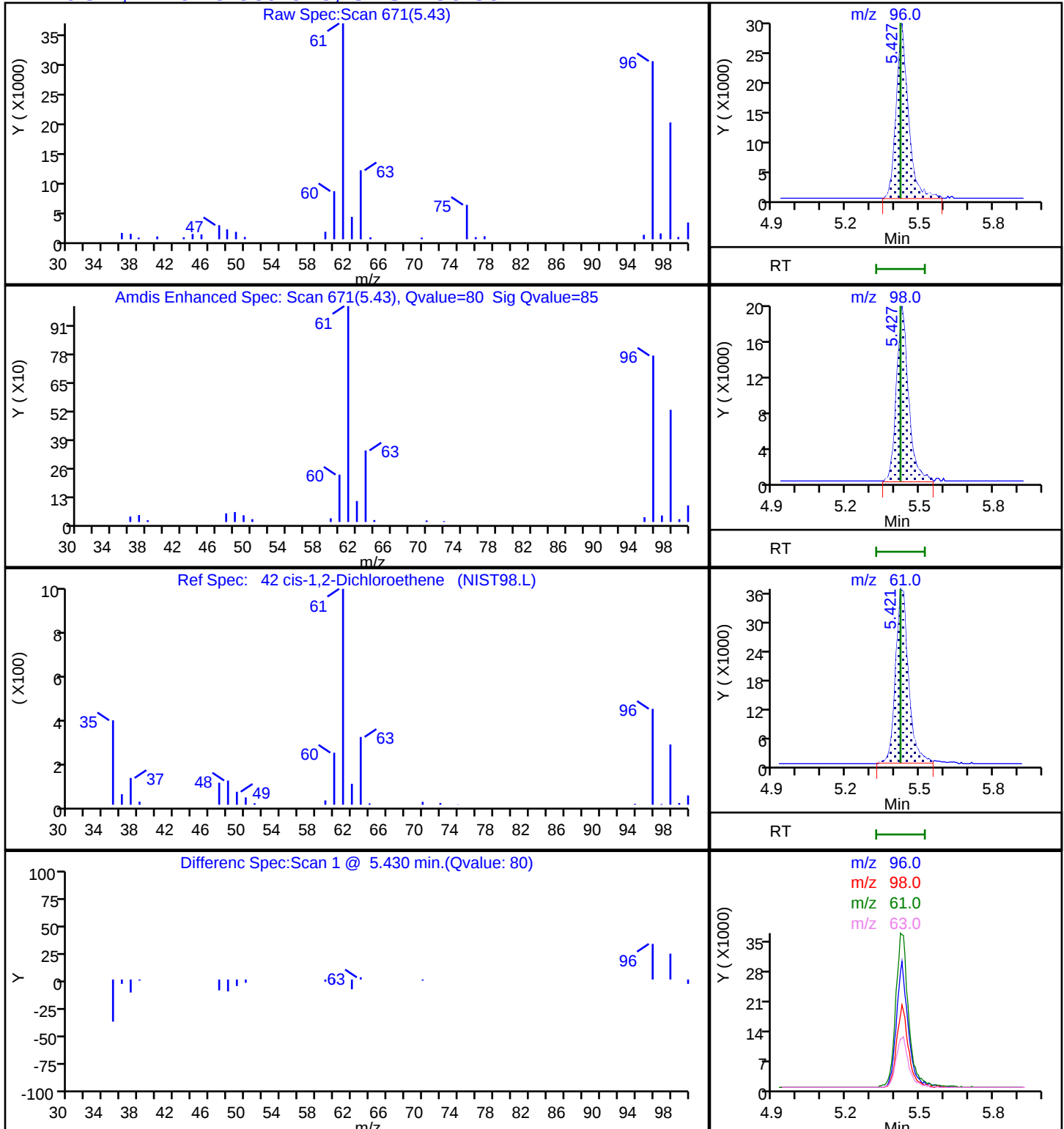
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

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

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X16.D

Injection Date: 26-Dec-2024 15:01:30

Instrument ID: 16334

Lims ID: 410-201498-A-6

Lab Sample ID: 410-201498-6

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

Operator ID: ecr105096

ALS Bottle#: 16

Worklist Smp#: 17

Purge Vol: 25.000 mL

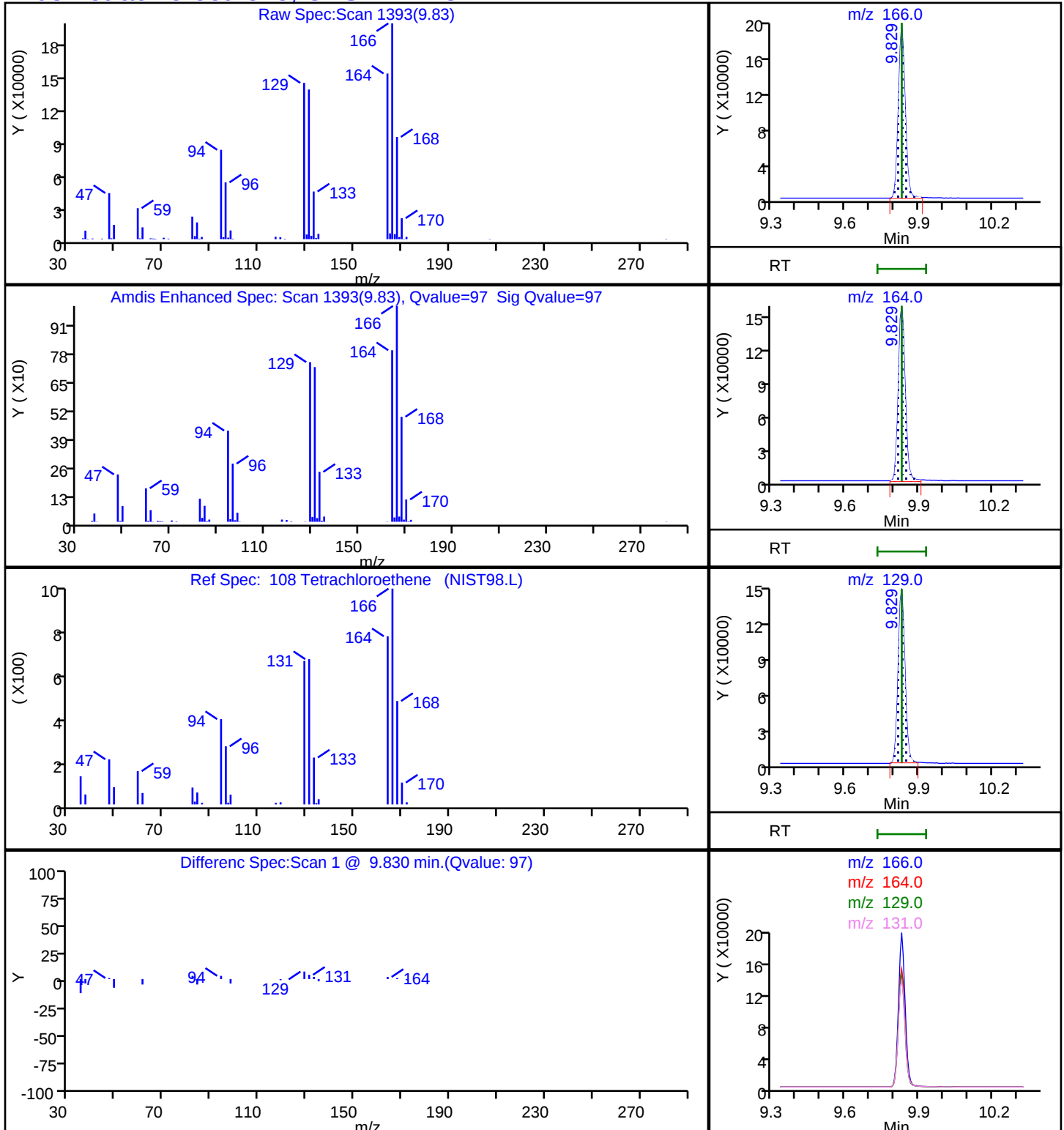
Dil. Factor: 1.0000

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

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X16.D

Injection Date: 26-Dec-2024 15:01:30

Instrument ID: 16334

Lims ID: 410-201498-A-6

Lab Sample ID: 410-201498-6

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

Operator ID: ecr105096

ALS Bottle#: 16

Worklist Smp#: 17

Purge Vol: 25.000 mL

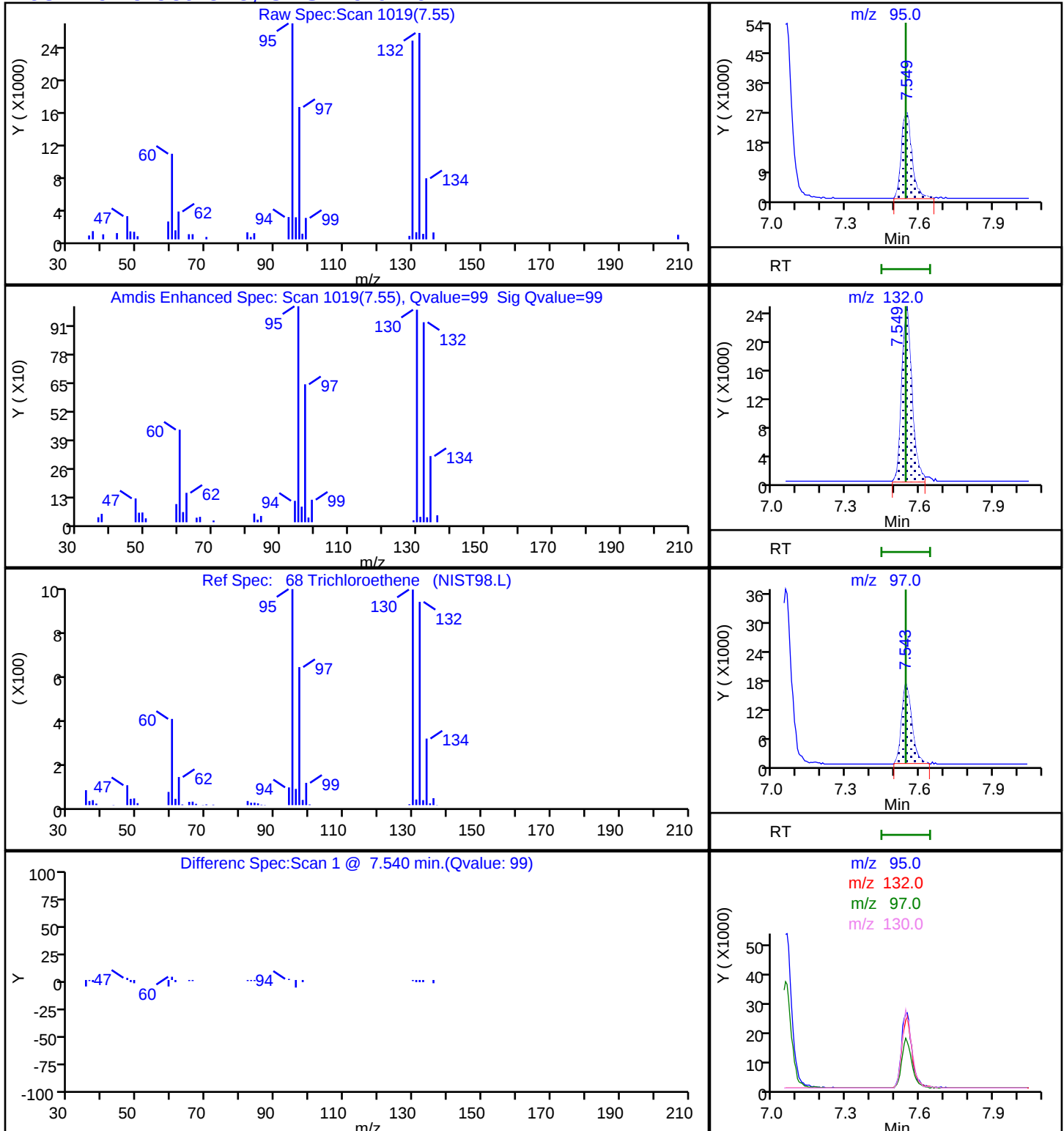
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

68 Trichloroethene, CAS: 79-01-6

Eurofins Lancaster Laboratories Environment Testing, LLC

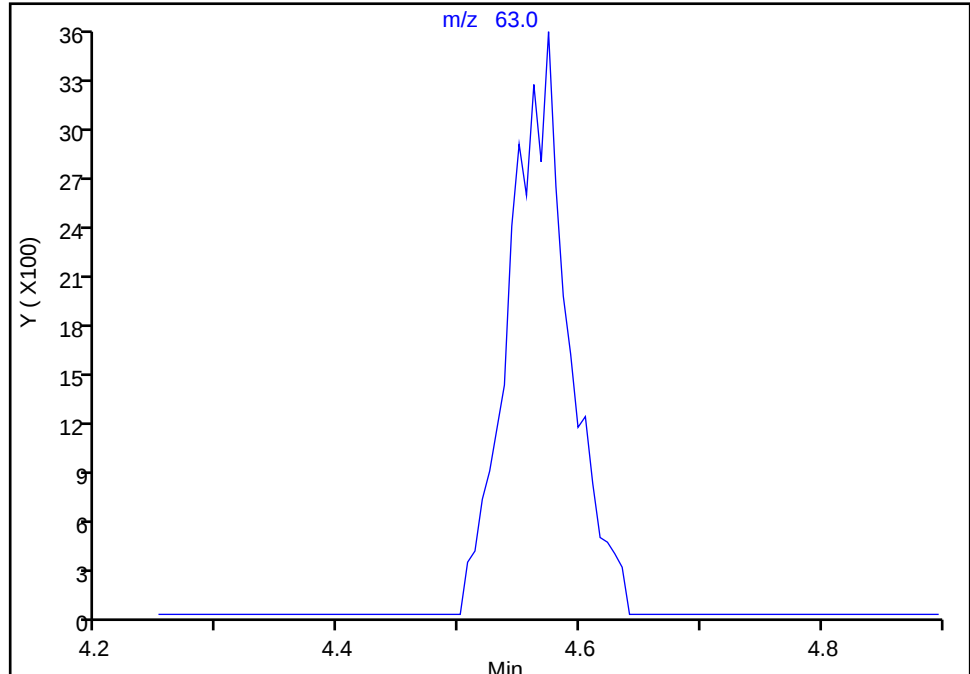
Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X16.D
Injection Date: 26-Dec-2024 15:01:30 Instrument ID: 16334
Lims ID: 410-201498-A-6 Lab Sample ID: 410-201498-6
Client ID: HD-COD-SW-15-0/1-0
Operator ID: ecr105096 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

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

Signal: 1

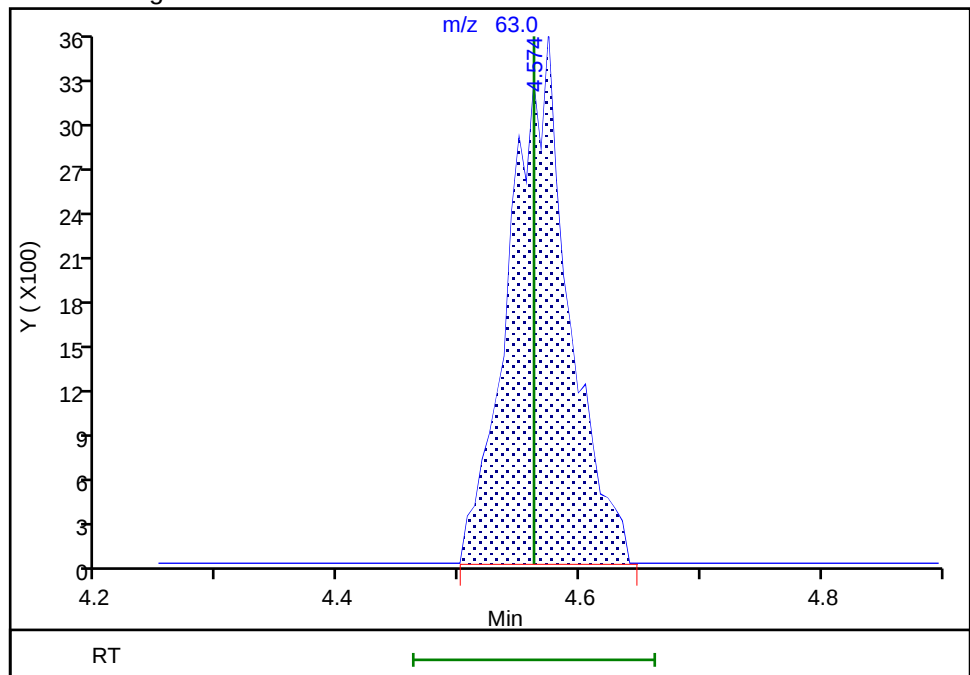
Not Detected
Expected RT: 4.56

Processing Integration Results



RT: 4.57
Area: 12179
Amount: 0.149062
Amount Units: ug/l

Manual Integration Results



Reviewer: FQ4L, 27-Dec-2024 09:42:10 07:00:00 (UTC)

Audit Action: Assigned Compound ID

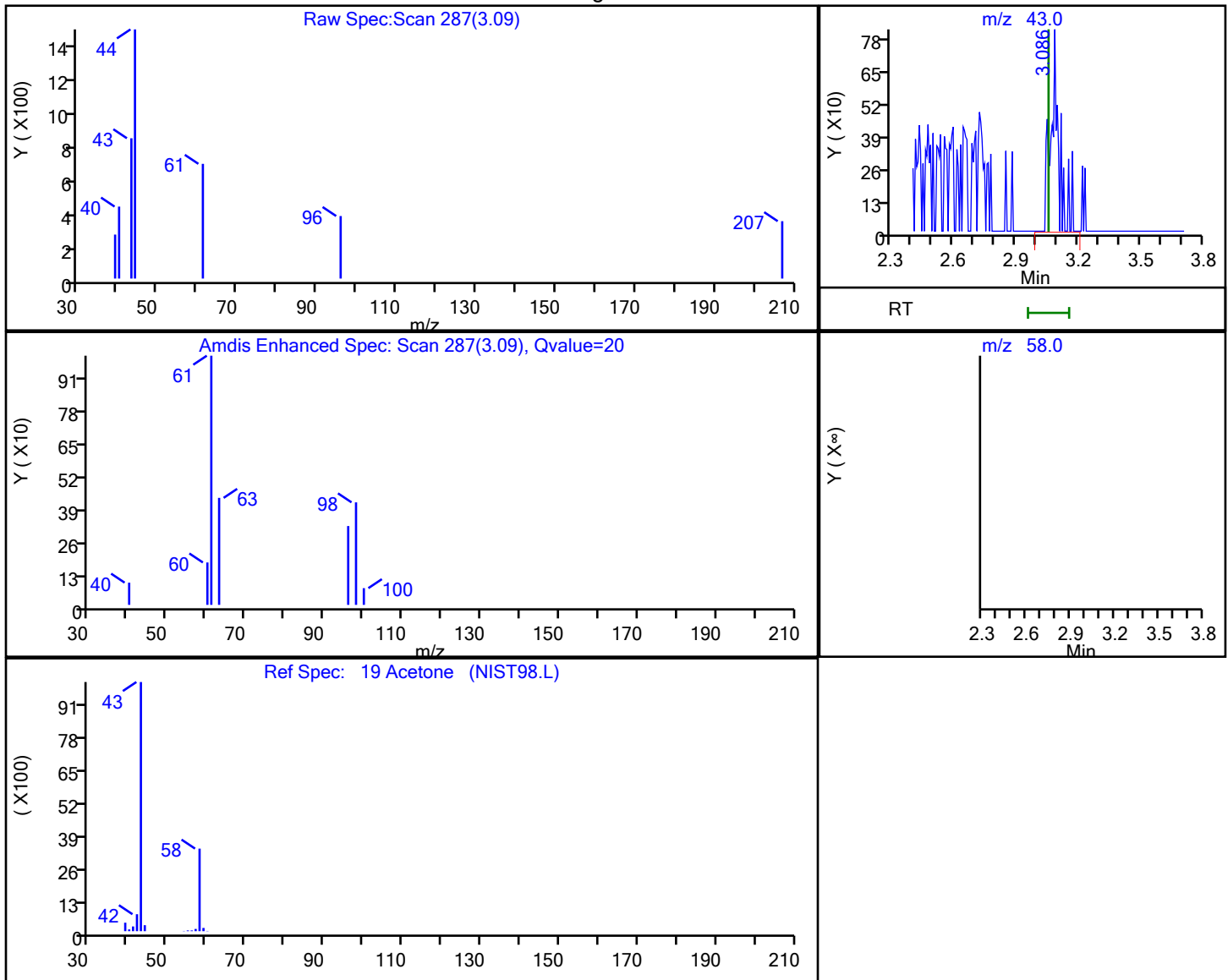
Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X16.D
Injection Date: 26-Dec-2024 15:01:30 Instrument ID: 16334
Lims ID: 410-201498-A-6 Lab Sample ID: 410-201498-6
Client ID: HD-COD-SW-15-0/1-0
Operator ID: ecr105096 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 i.d.) Detector: MS Quad

19 Acetone, CAS: 67-64-1

Processing Results



RT	Mass	Response	Amount
3.09	43.00	2184	0.583743
3.06	58.00	0	

Reviewer: FQ4L, 27-Dec-2024 09:42:00 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.: 410-201498-1

SDG No.:

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

Lab Sample ID: 410-201498-7

Matrix: Water

Lab File ID: GD26X19.D

Analysis Method: 8260D

Date Collected: 12/18/2024 09:20

Sample wt/vol: 25 (mL)

Date Analyzed: 12/26/2024 16:07

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 589906

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	2.1	J	5.0	1.5
71-43-2	Benzene	ND		0.50	0.10
74-97-5	Bromochloromethane	ND		0.50	0.080
75-27-4	Bromodichloromethane	ND		0.50	0.080
75-25-2	Bromoform	ND		1.0	0.30
74-83-9	Bromomethane	ND		0.50	0.10
75-15-0	Carbon disulfide	ND		1.0	0.10
56-23-5	Carbon tetrachloride	ND		0.50	0.10
108-90-7	Chlorobenzene	ND		0.50	0.070
75-00-3	Chloroethane	ND		0.50	0.10
67-66-3	Chloroform	0.10	J	0.50	0.090
74-87-3	Chloromethane	0.20	J	0.50	0.10
156-59-2	cis-1,2-Dichloroethene	0.18	J	0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	1.1		0.50	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC	Job No.: 410-201498-1
SDG No.:	
Client Sample ID: HD-COD-SW-16-0/1-0	Lab Sample ID: 410-201498-7
Matrix: Water	Lab File ID: GD26X19.D
Analysis Method: 8260D	Date Collected: 12/18/2024 09:20
Sample wt/vol: 25 (mL)	Date Analyzed: 12/26/2024 16:07
Soil Aliquot Vol:	Dilution Factor: 1
Soil Extract Vol.:	GC Column: R-624SilMS 30m ID: 0.25 (mm)
Purge Volume: 25.0 (mL)	Heated Purge: (Y/N) N pH:
% Moisture: % Solids:	Level: (low/med) Low
Analysis Batch No.: 589906	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	0.35	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)	91		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\16334\20241226-134250.b\GD26X19.D
 Lims ID: 410-201498-A-7
 Client ID: HD-COD-SW-16-0/1-0
 Sample Type: Client
 Inject. Date: 26-Dec-2024 16:07:30 ALS Bottle#: 19 Worklist Smp#: 20
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0134250-020
 Operator ID: ecr105096 Instrument ID: 16334
 Method: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\MSV_16334_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 27-Dec-2024 09:45:42 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: CTX1647

First Level Reviewer: FQ4L

Date: 27-Dec-2024 09:45:42

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50	1.879	1.886	-0.007	98	13119	0.2002	
6 Vinyl chloride	62		1.989				ND	7
9 Bromomethane	94		2.282				ND	7
10 Chloroethane	64		2.312				ND	
18 1,1-Dichloroethene	96		3.026				ND	
19 Acetone	43	3.068	3.056	0.012	66	8357	2.09	
24 Carbon disulfide	76	3.263	3.282	-0.019	98	5449	0.0386	
29 Methylene Chloride	84		3.587				ND	
* 30 t-Butyl alcohol-d10 (IS)	65	3.617	3.617	0.000	21	69848	50.0	
33 Methyl tert-butyl ether	73		3.934				ND	
34 trans-1,2-Dichloroethene	96		3.934				ND	
37 1,1-Dichloroethane	63		4.562				ND	
41 2-Butanone (MEK)	43		5.397				ND	
42 cis-1,2-Dichloroethene	96	5.427	5.422	0.005	78	9026	0.1823	
49 Chlorobromomethane	128		5.757				ND	
51 Chloroform	83	5.921	5.921	0.000	92	8038	0.0999	
\$ 52 Dibromofluoromethane (Surr)	113	6.135	6.141	-0.006	93	424395	10.5	
53 1,1,1-Trichloroethane	97		6.147				ND	U
55 Carbon tetrachloride	117		6.360				ND	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.598	6.598	0.000	66	78069	10.2	
60 Benzene	78	6.628	6.629	-0.001	41	5361	0.0283	
61 1,2-Dichloroethane	62		6.702				ND	
* 64 Fluorobenzene (IS)	96	7.049	7.049	0.000	99	1707811	10.0	
68 Trichloroethene	95	7.537	7.543	-0.006	96	16880	0.3465	a
70 1,2-Dichloropropane	63		7.872				ND	
76 Dichlorobromomethane	83		8.232				ND	7
81 cis-1,3-Dichloropropene	75		8.805				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.012				ND	7
\$ 83 Toluene-d8 (Surr)	98	9.140	9.140	0.000	94	1712439	9.74	
84 Toluene	92	9.225	9.226	-0.001	97	9360	0.0767	
85 trans-1,3-Dichloropropene	75		9.524				ND	
107 1,1,2-Trichloroethane	97		9.744				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
108 Tetrachloroethene	166	9.829	9.829	0.000	96	62593	1.14	
110 2-Hexanone	43		9.988				ND	
112 Chlorodibromomethane	129		10.140				ND	
113 Ethylene Dibromide	107		10.250				ND	
* 114 Chlorobenzene-d5 (IS)	117	10.707	10.707	0.000	86	1266058	10.0	
116 Chlorobenzene	112		10.738				ND	
117 1,1,1,2-Tetrachloroethane	131		10.823				ND	
118 Ethylbenzene	91		10.835				ND	7
120 m-Xylene & p-Xylene	106	10.951	10.951	0.000	95	5739	0.0627	
S 119 Xylenes, Total	106		11.245				ND	7
121 o-Xylene	106		11.292				ND	7
122 Styrene	104		11.311				ND	
123 Bromoform	173		11.463				ND	
\$ 127 4-Bromofluorobenzene (Surr)	95	11.743	11.743	0.000	89	555007	9.15	
128 1,1,2,2-Tetrachloroethane	83		11.859				ND	
* 142 1,4-Dichlorobenzene-d4	152	12.633	12.640	-0.007	95	651906	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_00058

Amount Added: 1.20

Units: uL

Run Reagent

Report Date: 27-Dec-2024 09:45:43

Chrom Revision: 2.3 17-Dec-2024 12:44:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X19.D

Injection Date: 26-Dec-2024 16:07:30

Instrument ID: 16334

Operator ID: ecr105096

Lims ID: 410-201498-A-7

Lab Sample ID: 410-201498-7

Worklist Smp#: 20

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

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

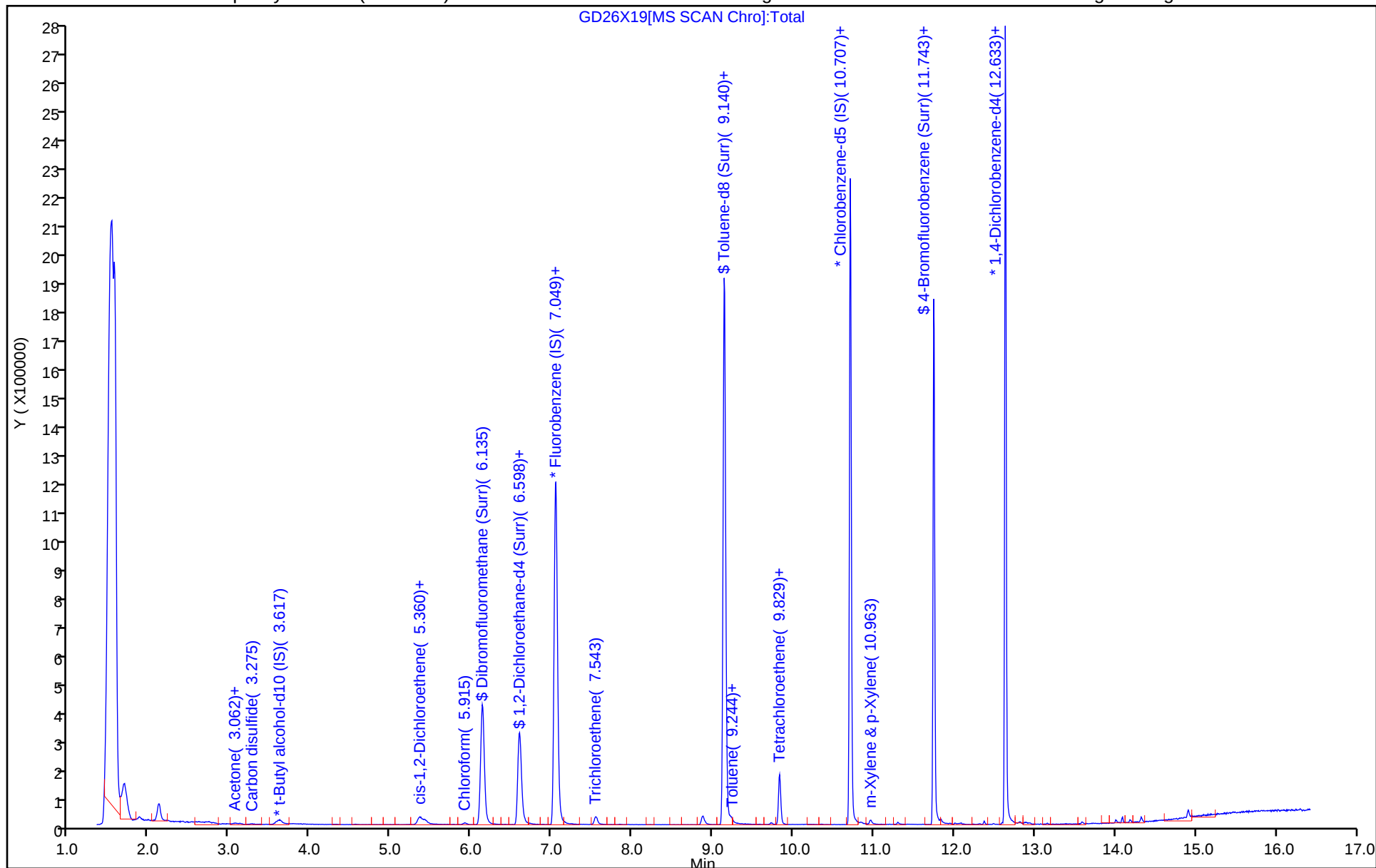
ALS Bottle#: 19

Method: MSV_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\20241226-134250.b\GD26X19.D
Lims ID: 410-201498-A-7
Client ID: HD-COD-SW-16-0/1-0
Sample Type: Client
Inject. Date: 26-Dec-2024 16:07:30 ALS Bottle#: 19 Worklist Smp#: 20
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0134250-020
Operator ID: ecr105096 Instrument ID: 16334
Method: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 27-Dec-2024 09:45:42 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: CTX1647

First Level Reviewer: FQ4L

Date: 27-Dec-2024 09:45:42

Compound	Amount Added	Amount Recovered	% Rec.
\$ 52 Dibromofluoromethane (Surr)	10.0	10.5	105.33
\$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.2	101.56
\$ 83 Toluene-d8 (Surr)	10.0	9.74	97.45
\$ 127 4-Bromofluorobenzene (Surr)	10.0	9.15	91.46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X19.D

Injection Date: 26-Dec-2024 16:07:30

Instrument ID: 16334

Lims ID: 410-201498-A-7

Lab Sample ID: 410-201498-7

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

Operator ID: ecr105096

ALS Bottle#: 19

Worklist Smp#: 20

Purge Vol: 25.000 mL

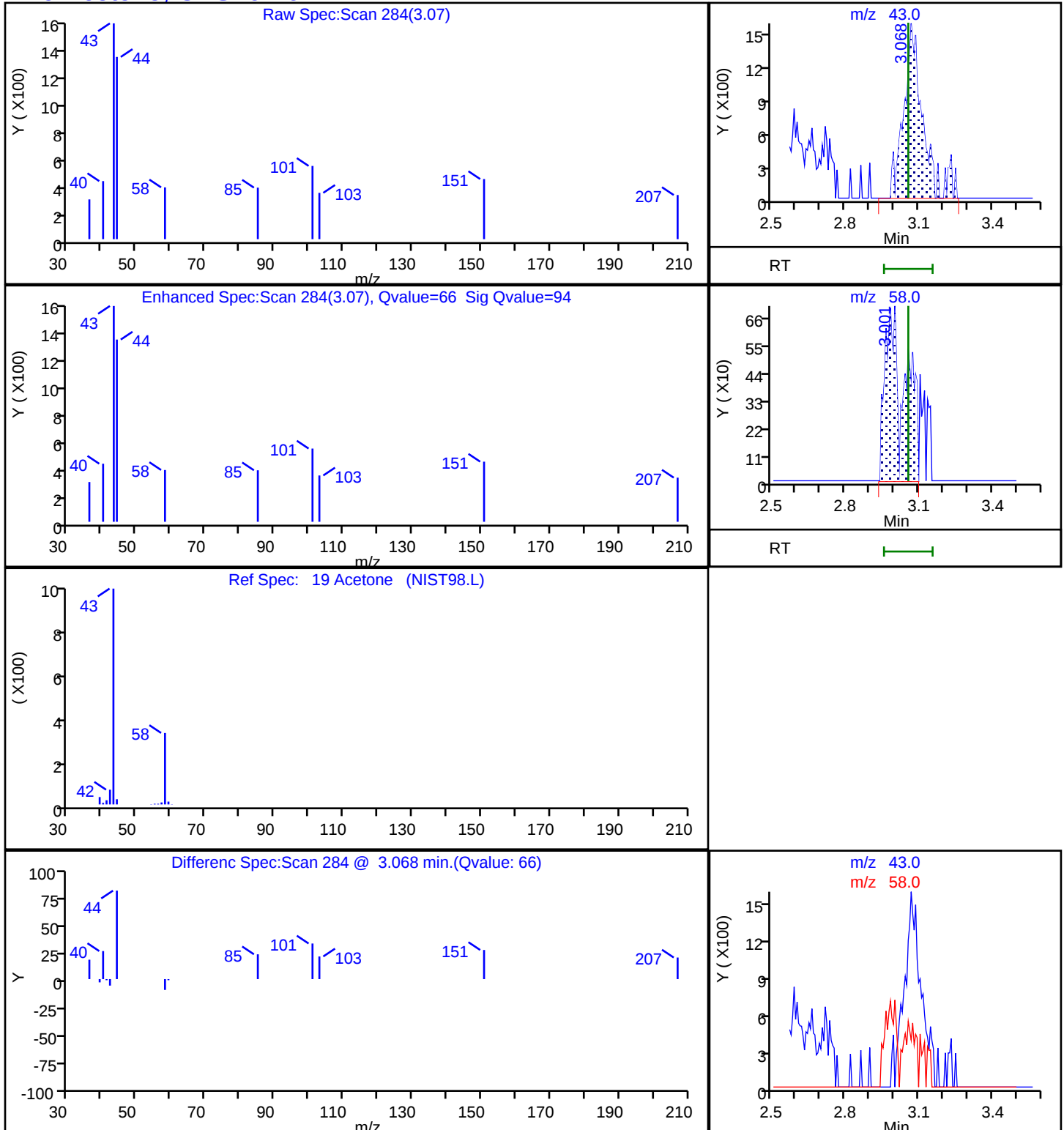
Dil. Factor: 1.0000

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

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X19.D

Injection Date: 26-Dec-2024 16:07:30

Instrument ID: 16334

Lims ID: 410-201498-A-7

Lab Sample ID: 410-201498-7

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

Operator ID: ecr105096

ALS Bottle#: 19

Worklist Smp#: 20

Purge Vol: 25.000 mL

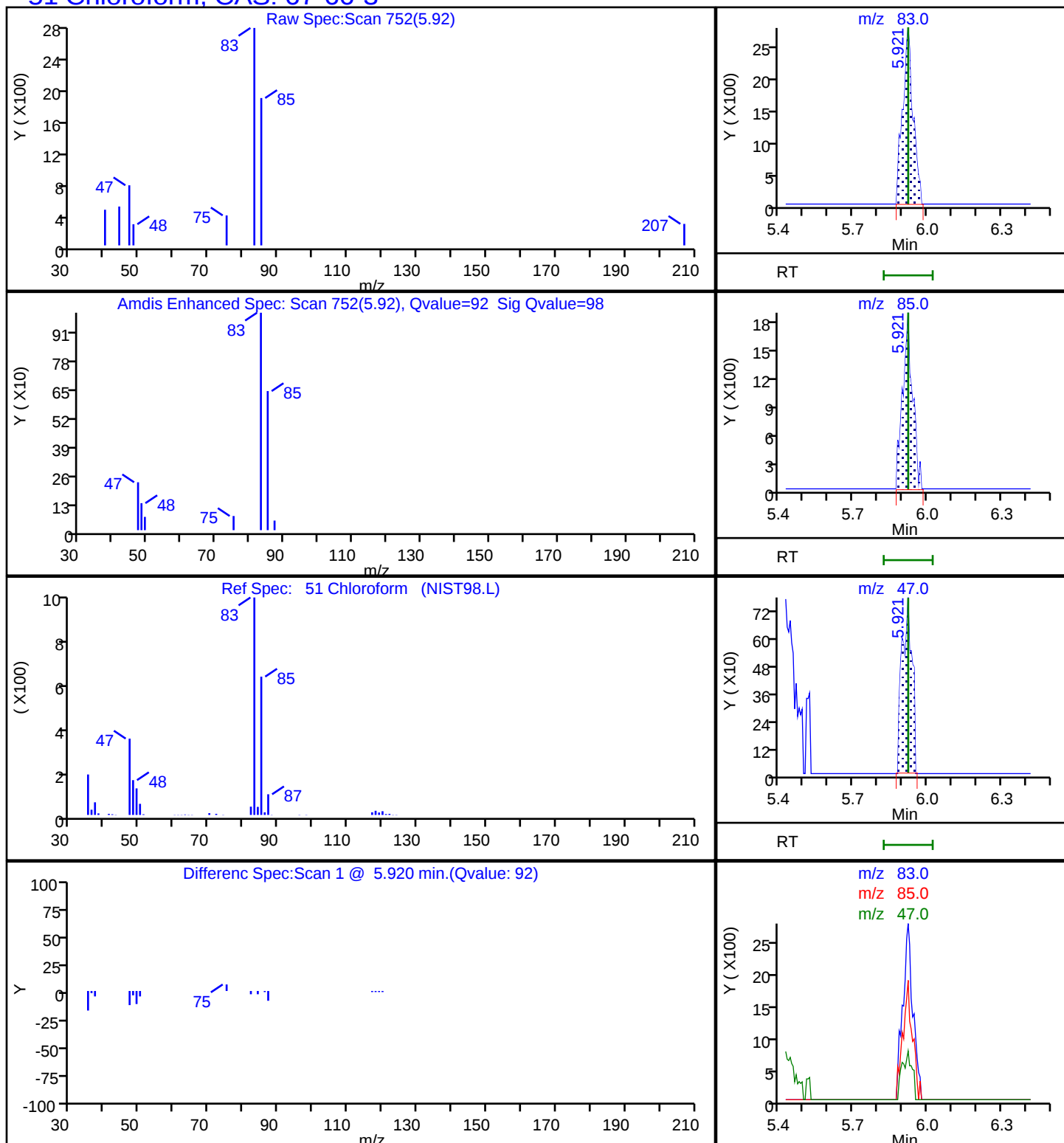
Dil. Factor: 1.0000

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

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X19.D

Injection Date: 26-Dec-2024 16:07:30

Instrument ID: 16334

Lims ID: 410-201498-A-7

Lab Sample ID: 410-201498-7

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

Operator ID: ecr105096

ALS Bottle#: 19

Worklist Smp#: 20

Purge Vol: 25.000 mL

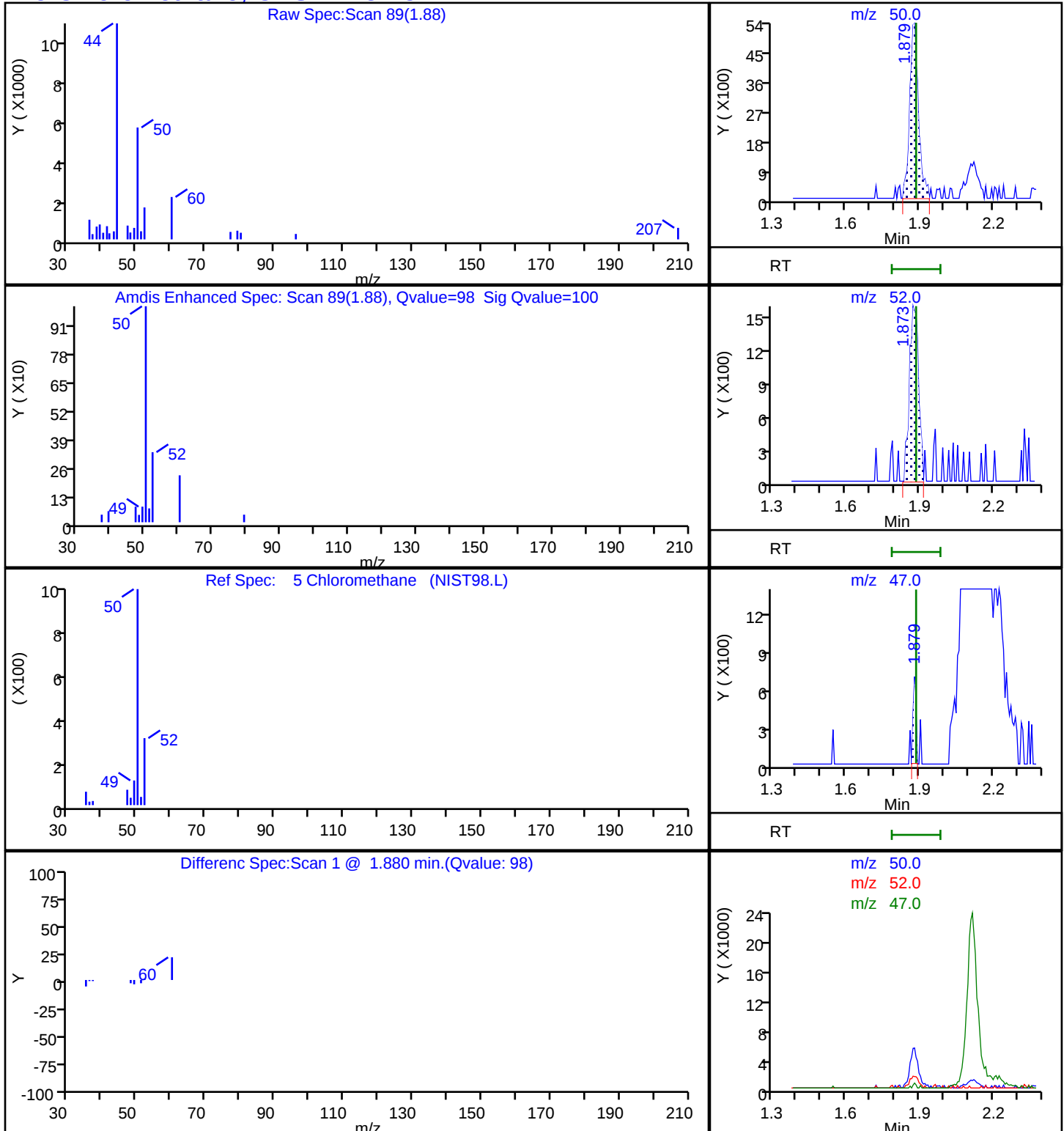
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

5 Chloromethane, CAS: 74-87-3

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X19.D

Injection Date: 26-Dec-2024 16:07:30

Instrument ID: 16334

Lims ID: 410-201498-A-7

Lab Sample ID: 410-201498-7

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

Operator ID: ecr105096

ALS Bottle#: 19

Worklist Smp#: 20

Purge Vol: 25.000 mL

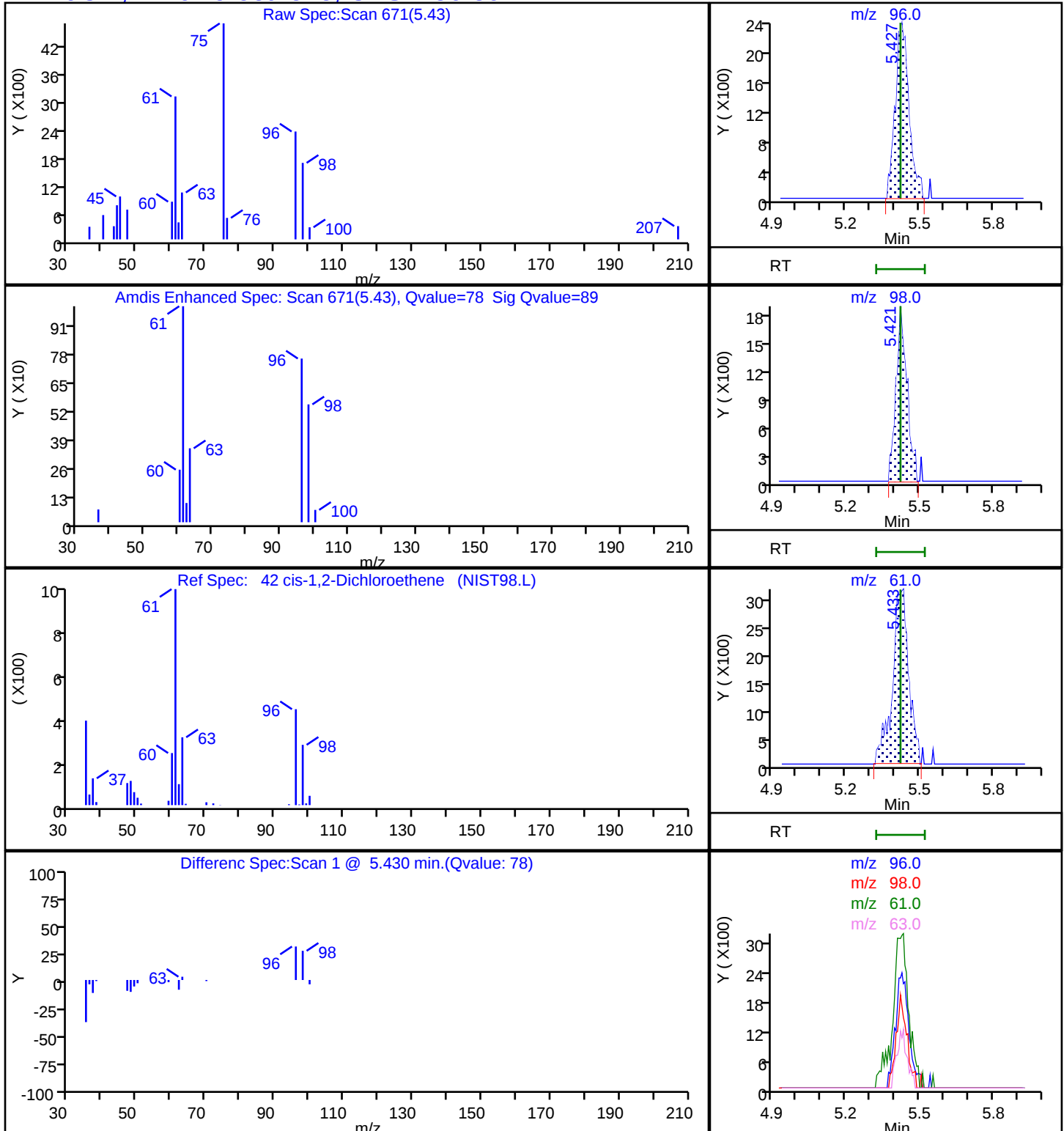
Dil. Factor: 1.0000

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

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X19.D

Injection Date: 26-Dec-2024 16:07:30

Instrument ID: 16334

Lims ID: 410-201498-A-7

Lab Sample ID: 410-201498-7

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

Operator ID: ecr105096

ALS Bottle#: 19

Worklist Smp#: 20

Purge Vol: 25.000 mL

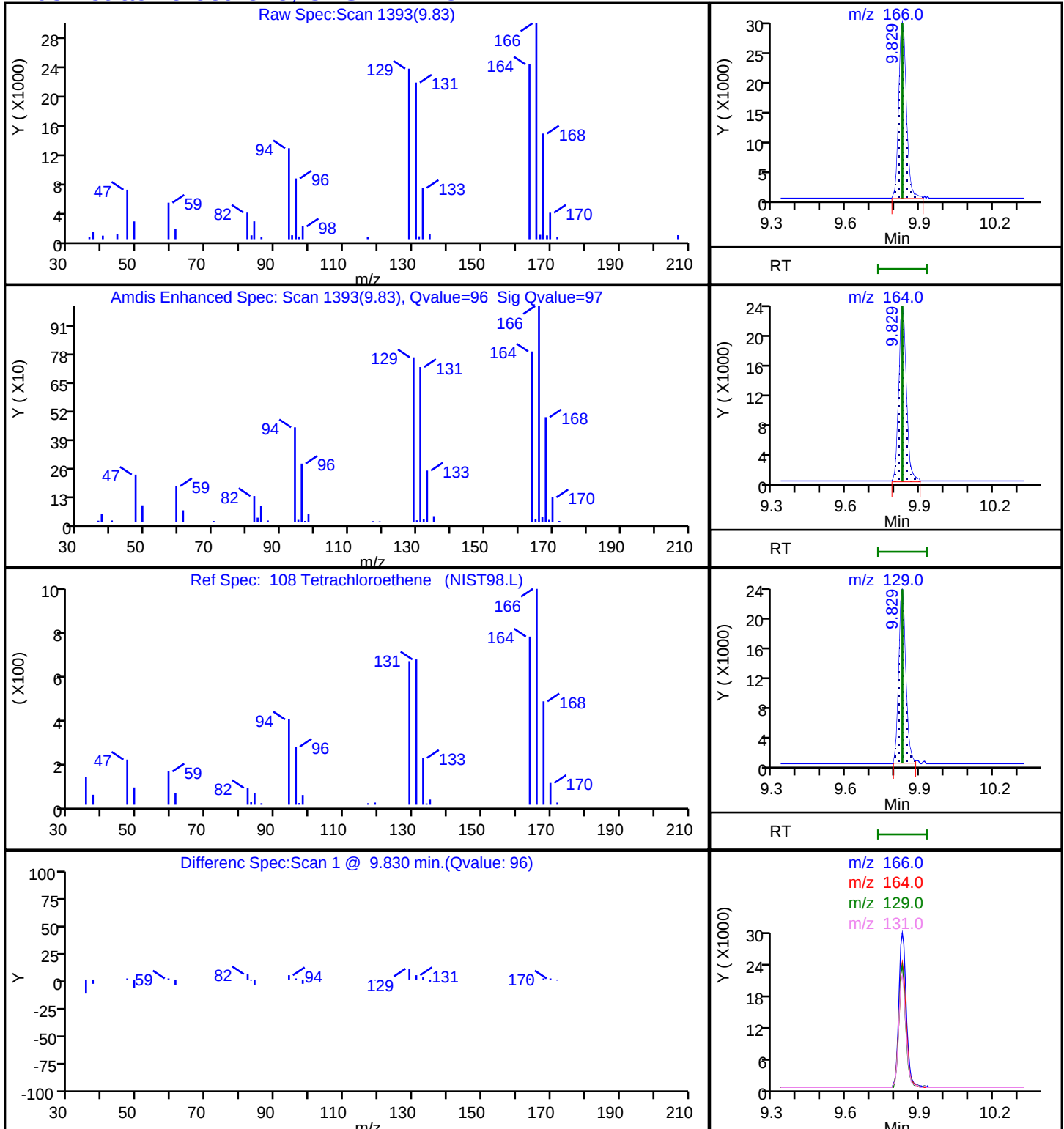
Dil. Factor: 1.0000

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\20241226-134250.b\GD26X19.D

Injection Date: 26-Dec-2024 16:07:30

Instrument ID: 16334

Lims ID: 410-201498-A-7

Lab Sample ID: 410-201498-7

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

Operator ID: ecr105096

ALS Bottle#: 19

Worklist Smp#: 20

Purge Vol: 25.000 mL

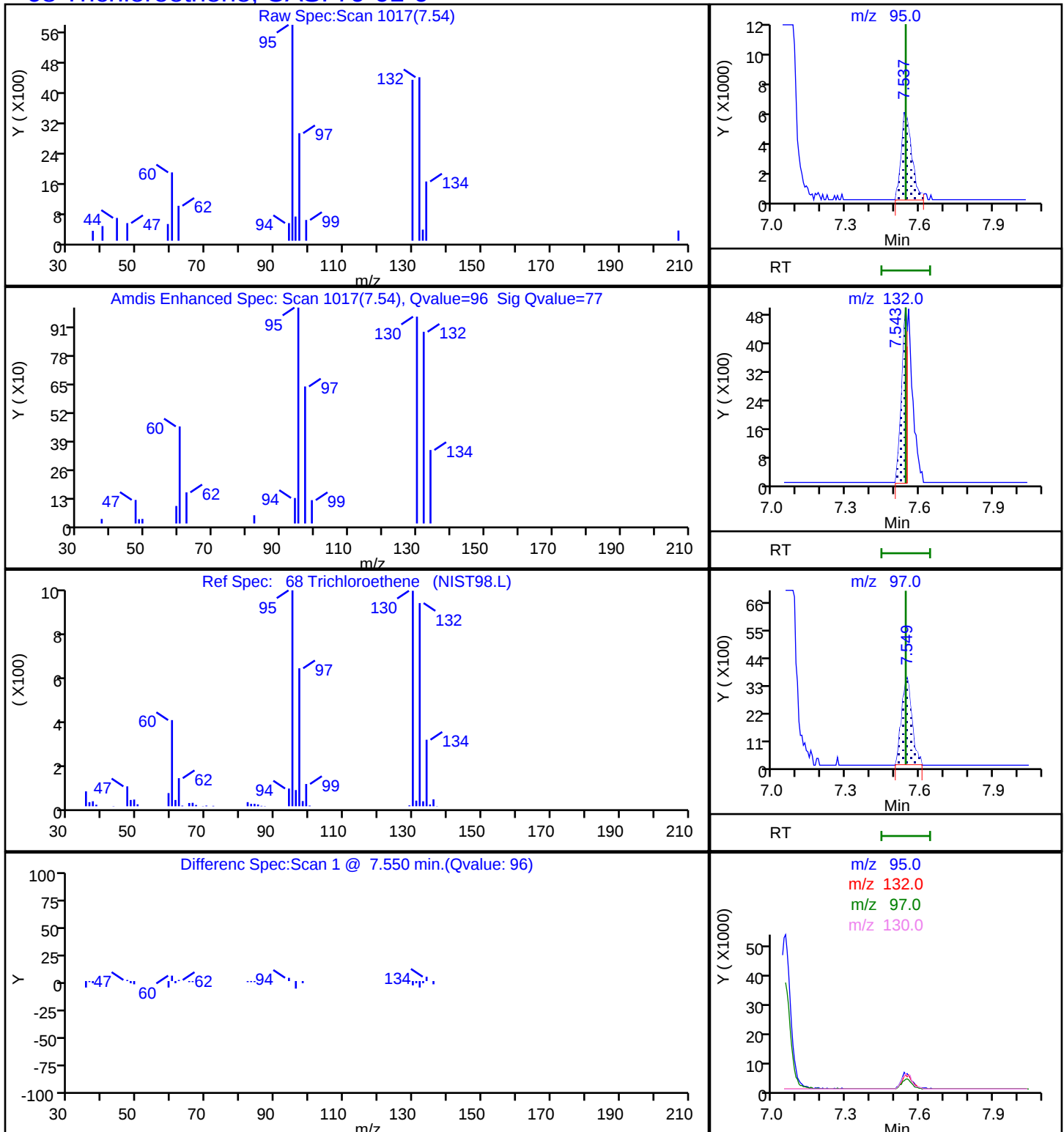
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

68 Trichloroethene, CAS: 79-01-6

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X19.D

Injection Date: 26-Dec-2024 16:07:30

Instrument ID: 16334

Lims ID: 410-201498-A-7

Lab Sample ID: 410-201498-7

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

Operator ID: ecr105096

ALS Bottle#: 19 Worklist Smp#: 20

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

Method: MSV_16334_25mL

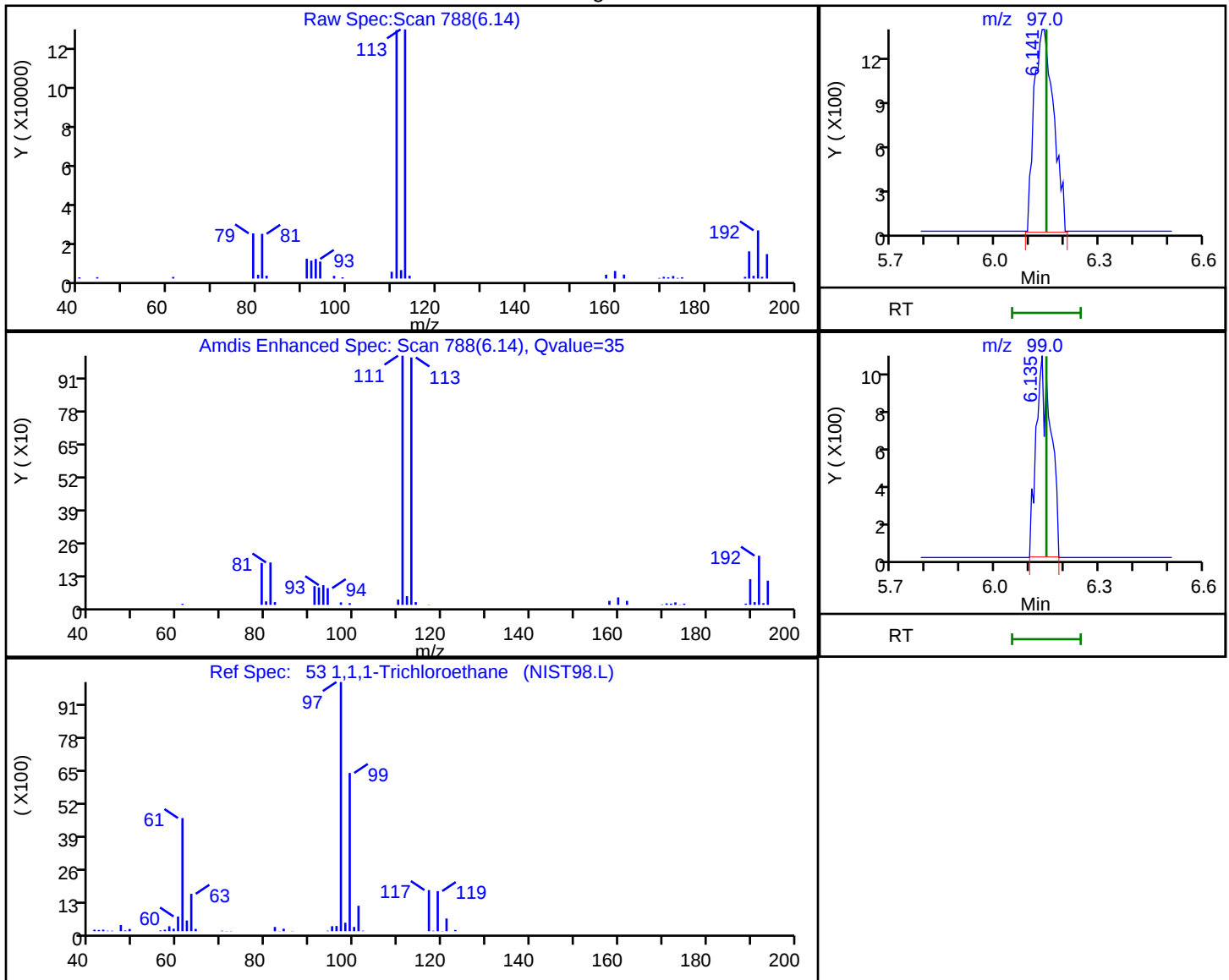
Limit Group: MSV - 8260C_D

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
6.14	97.00	5254	0.073761
6.13	99.00	3005	

Reviewer: FQ4L, 27-Dec-2024 09:45:22 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

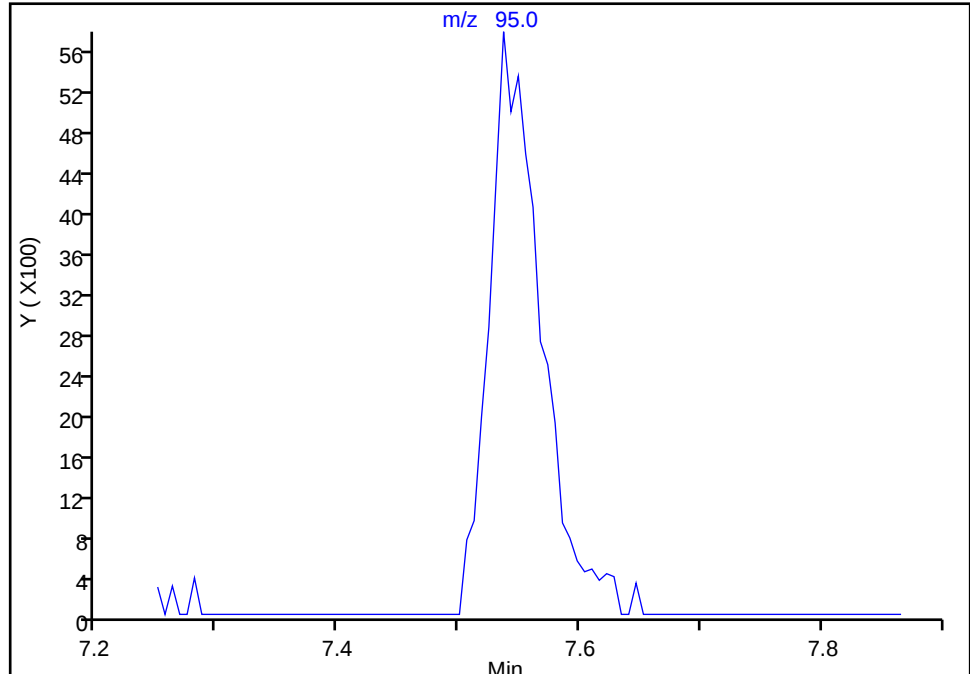
Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X19.D
Injection Date: 26-Dec-2024 16:07:30 Instrument ID: 16334
Lims ID: 410-201498-A-7 Lab Sample ID: 410-201498-7
Client ID: HD-COD-SW-16-0/1-0
Operator ID: ecr105096 ALS Bottle#: 19 Worklist Smp#: 20
Purge Vol: 25.000 mL Dil. Factor: 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

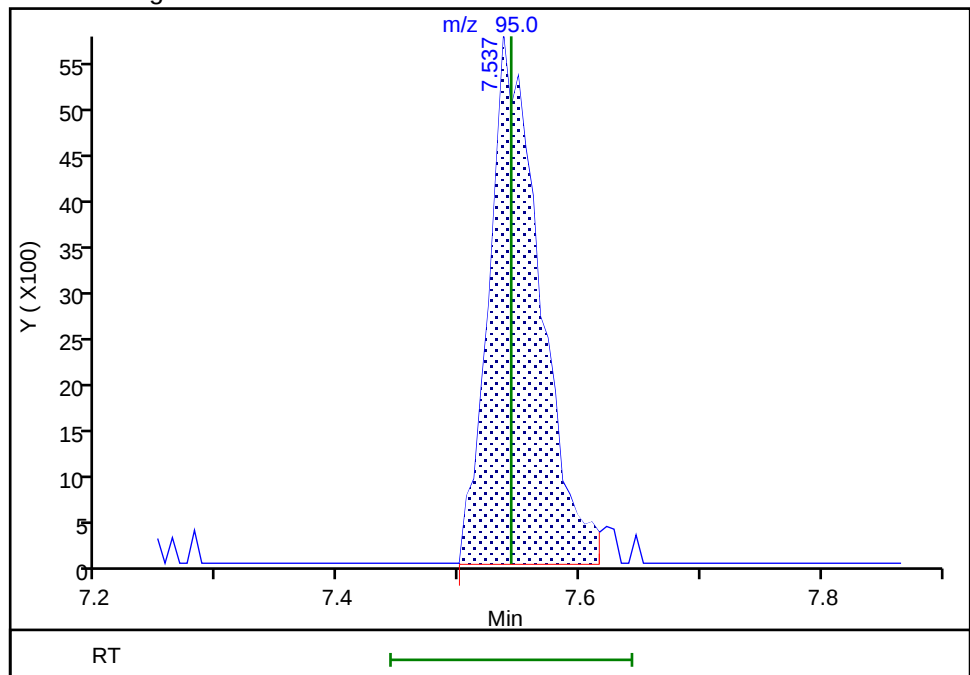
Signal: 1

Not Detected
Expected RT: 7.54

Processing Integration Results



Manual Integration Results



Reviewer: FQ4L, 27-Dec-2024 09:45:28 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.: 410-201498-1

SDG No.:

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

Lab Sample ID: 410-201498-8

Matrix: Water

Lab File ID: GD26X24.D

Analysis Method: 8260D

Date Collected: 12/18/2024 09:35

Sample wt/vol: 25 (mL)

Date Analyzed: 12/26/2024 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.: 589906

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	15		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	2.6		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	3.8		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 Job No.: 410-201498-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: HD-COD-SW-17-0/1-0 Lab Sample ID: 410-201498-8

Matrix: Water Lab File ID: GD26X24.D

Analysis Method: 8260D Date Collected: 12/18/2024 09:35

Sample wt/vol: 25 (mL) Date Analyzed: 12/26/2024 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.: 589906 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	7.2		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)	106		80-120
460-00-4	4-Bromofluorobenzene (Surr)	90		80-120
1868-53-7	Dibromofluoromethane (Surr)	107		80-120
2037-26-5	Toluene-d8 (Surr)	95		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X24.D
 Lims ID: 410-201498-A-8
 Client ID: HD-COD-SW-17-0/1-0
 Sample Type: Client
 Inject. Date: 26-Dec-2024 17:57:30 ALS Bottle#: 24 Worklist Smp#: 25
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0134250-025
 Operator ID: ecr105096 Instrument ID: 16334
 Method: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\MSV_16334_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 27-Dec-2024 09:48:34 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: CTX1647

First Level Reviewer: FQ4L

Date: 27-Dec-2024 09:48:34

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50	1.880	1.886	-0.006	96	6389	0.0881	
6 Vinyl chloride	62		1.989				ND	7
9 Bromomethane	94		2.282				ND	
10 Chloroethane	64		2.312				ND	
18 1,1-Dichloroethene	96	3.026	3.026	0.000	98	47975	1.13	
19 Acetone	43		3.056				ND	7
24 Carbon disulfide	76		3.282				ND	7
29 Methylene Chloride	84		3.587				ND	
* 30 t-Butyl alcohol-d10 (IS)	65	3.623	3.617	0.006	27	80900	50.0	
33 Methyl tert-butyl ether	73		3.934				ND	7
34 trans-1,2-Dichloroethene	96	3.934	3.934	0.000	87	2708	0.0541	M
37 1,1-Dichloroethane	63	4.562	4.562	0.000	97	232128	2.56	
41 2-Butanone (MEK)	43		5.397				ND	
42 cis-1,2-Dichloroethene	96	5.422	5.422	0.000	80	208624	3.81	
49 Chlorobromomethane	128		5.757				ND	
51 Chloroform	83	5.921	5.921	0.000	92	15704	0.1765	
\$ 52 Dibromofluoromethane (Surr)	113	6.135	6.141	-0.006	93	475750	10.7	
53 1,1,1-Trichloroethane	97	6.141	6.147	-0.006	98	1193072	15.1	
55 Carbon tetrachloride	117		6.360				ND	7
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.598	6.598	0.000	66	90205	10.6	
60 Benzene	78		6.629				ND	7
61 1,2-Dichloroethane	62		6.702				ND	
* 64 Fluorobenzene (IS)	96	7.049	7.049	0.000	99	1888990	10.0	
68 Trichloroethene	95	7.543	7.543	0.000	98	385661	7.16	
70 1,2-Dichloropropane	63		7.872				ND	
76 Dichlorobromomethane	83		8.232				ND	
81 cis-1,3-Dichloropropene	75		8.805				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.012				ND	
\$ 83 Toluene-d8 (Surr)	98	9.146	9.140	0.006	94	1876893	9.48	
84 Toluene	92	9.232	9.226	0.006	95	4060	0.0295	
85 trans-1,3-Dichloropropene	75		9.524				ND	
107 1,1,2-Trichloroethane	97		9.744				ND	U

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
108 Tetrachloroethene	166	9.829	9.829	0.000	96	13609116	219.5	E
110 2-Hexanone	43		9.988				ND	
112 Chlorodibromomethane	129		10.140				ND	
113 Ethylene Dibromide	107		10.250				ND	
* 114 Chlorobenzene-d5 (IS)	117	10.707	10.707	0.000	86	1425998	10.0	
116 Chlorobenzene	112		10.738				ND	
117 1,1,1,2-Tetrachloroethane	131		10.823				ND	
118 Ethylbenzene	91		10.835				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		11.311				ND	
123 Bromoform	173		11.463				ND	
\$ 127 4-Bromofluorobenzene (Surr)	95	11.743	11.743	0.000	90	617338	9.03	
128 1,1,2,2-Tetrachloroethane	83		11.859				ND	
* 142 1,4-Dichlorobenzene-d4	152	12.634	12.640	-0.006	95	721370	10.0	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

U - Marked Undetected

Reagents:

MSV_29_826ISS_00058

Amount Added: 1.20

Units: uL

Run Reagent

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X24.D

Injection Date: 26-Dec-2024 17:57:30

Instrument ID: 16334

Operator ID: ecr105096

Lims ID: 410-201498-A-8

Lab Sample ID: 410-201498-8

Worklist Smp#: 25

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

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

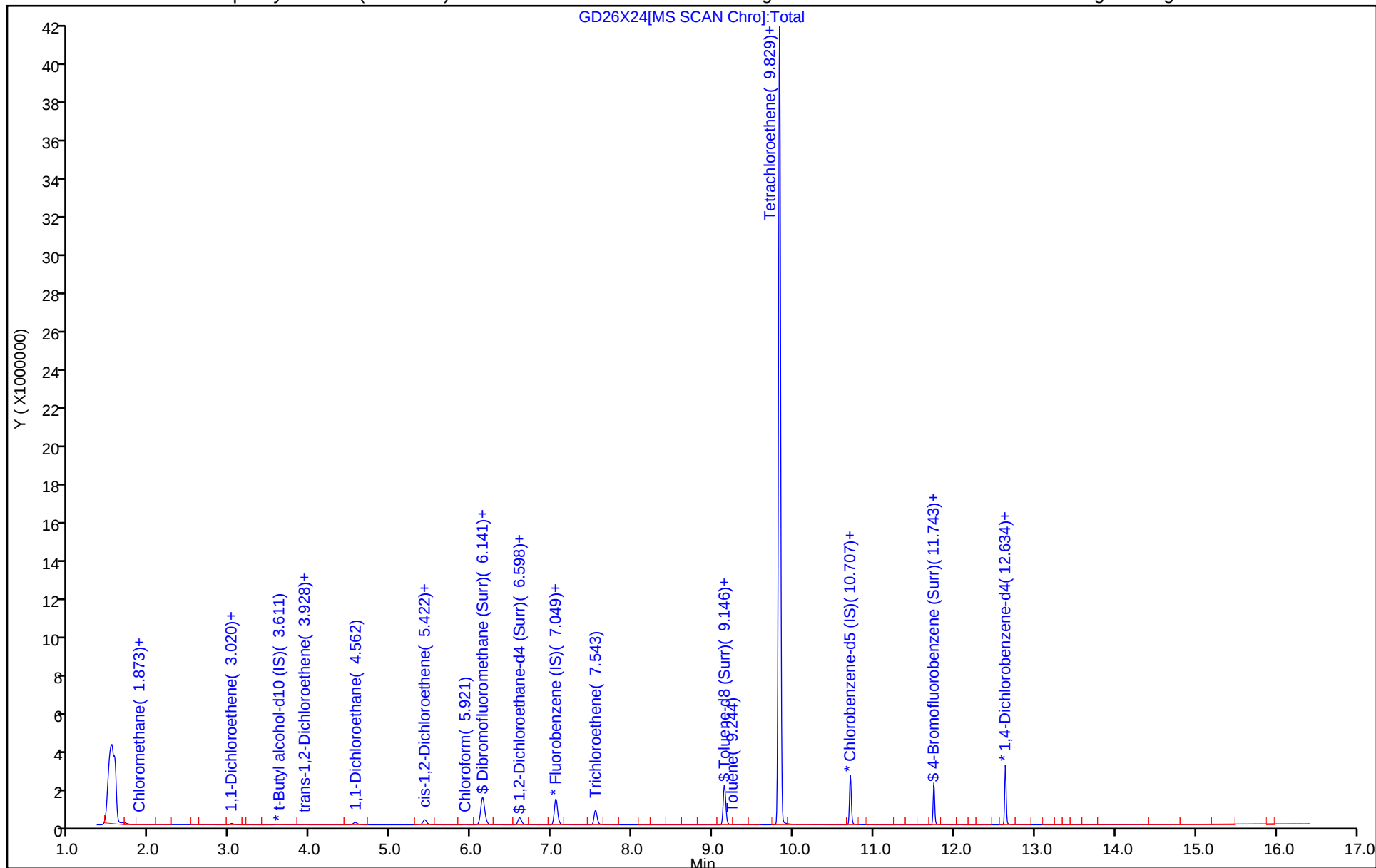
ALS Bottle#: 24

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\20241226-134250.b\GD26X24.D
Lims ID: 410-201498-A-8
Client ID: HD-COD-SW-17-0/1-0
Sample Type: Client
Inject. Date: 26-Dec-2024 17:57:30 ALS Bottle#: 24 Worklist Smp#: 25
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0134250-025
Operator ID: ecr105096 Instrument ID: 16334
Method: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 27-Dec-2024 09:48:34 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: CTX1647

First Level Reviewer: FQ4L

Date: 27-Dec-2024 09:48:34

Compound	Amount Added	Amount Recovered	% Rec.
\$ 52 Dibromofluoromethane (Surr)	10.0	10.7	106.75
\$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.6	106.09
\$ 83 Toluene-d8 (Surr)	10.0	9.48	94.83
\$ 127 4-Bromofluorobenzene (Surr)	10.0	9.03	90.32

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X24.D

Injection Date: 26-Dec-2024 17:57:30

Instrument ID: 16334

Lims ID: 410-201498-A-8

Lab Sample ID: 410-201498-8

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

Operator ID: ecr105096

ALS Bottle#: 24

Worklist Smp#: 25

Purge Vol: 25.000 mL

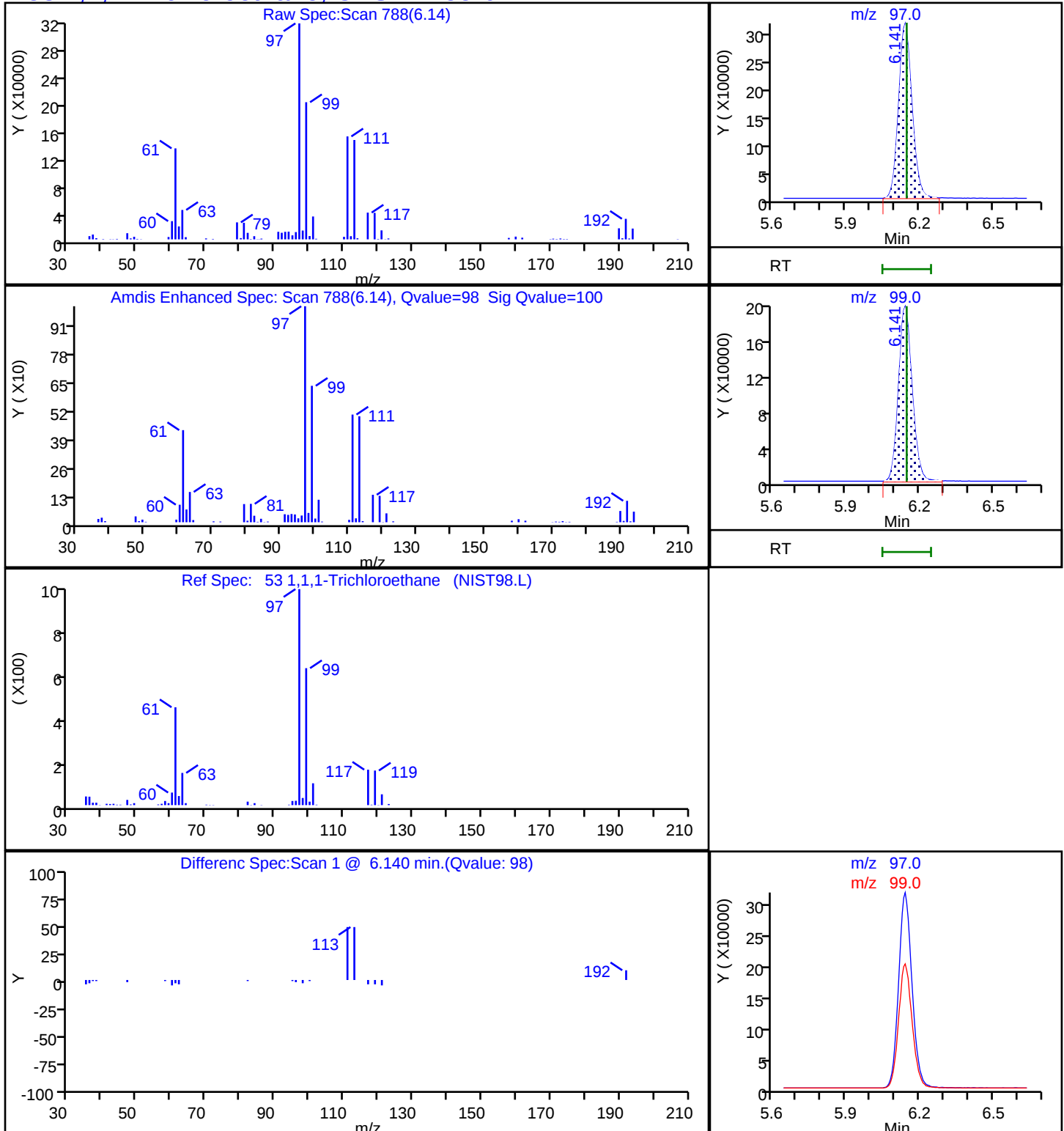
Dil. Factor: 1.0000

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\20241226-134250.b\GD26X24.D

Injection Date: 26-Dec-2024 17:57:30

Instrument ID: 16334

Lims ID: 410-201498-A-8

Lab Sample ID: 410-201498-8

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

Operator ID: ecr105096

ALS Bottle#: 24

Worklist Smp#: 25

Purge Vol: 25.000 mL

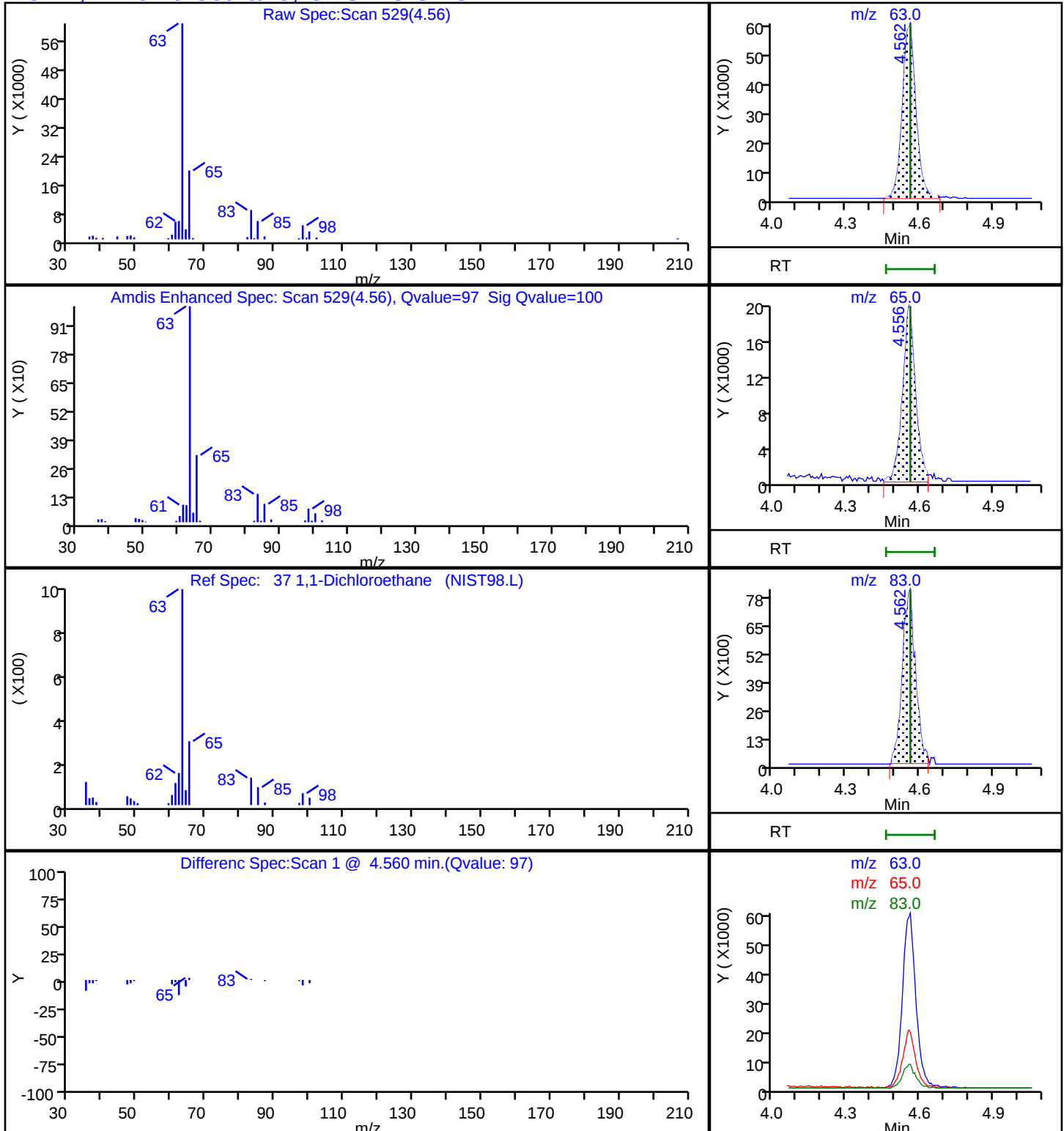
Dil. Factor: 1.0000

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\20241226-134250.b\GD26X24.D

Injection Date: 26-Dec-2024 17:57:30

Instrument ID: 16334

Lims ID: 410-201498-A-8

Lab Sample ID: 410-201498-8

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

Operator ID: ecr105096

ALS Bottle#: 24

Worklist Smp#: 25

Purge Vol: 25.000 mL

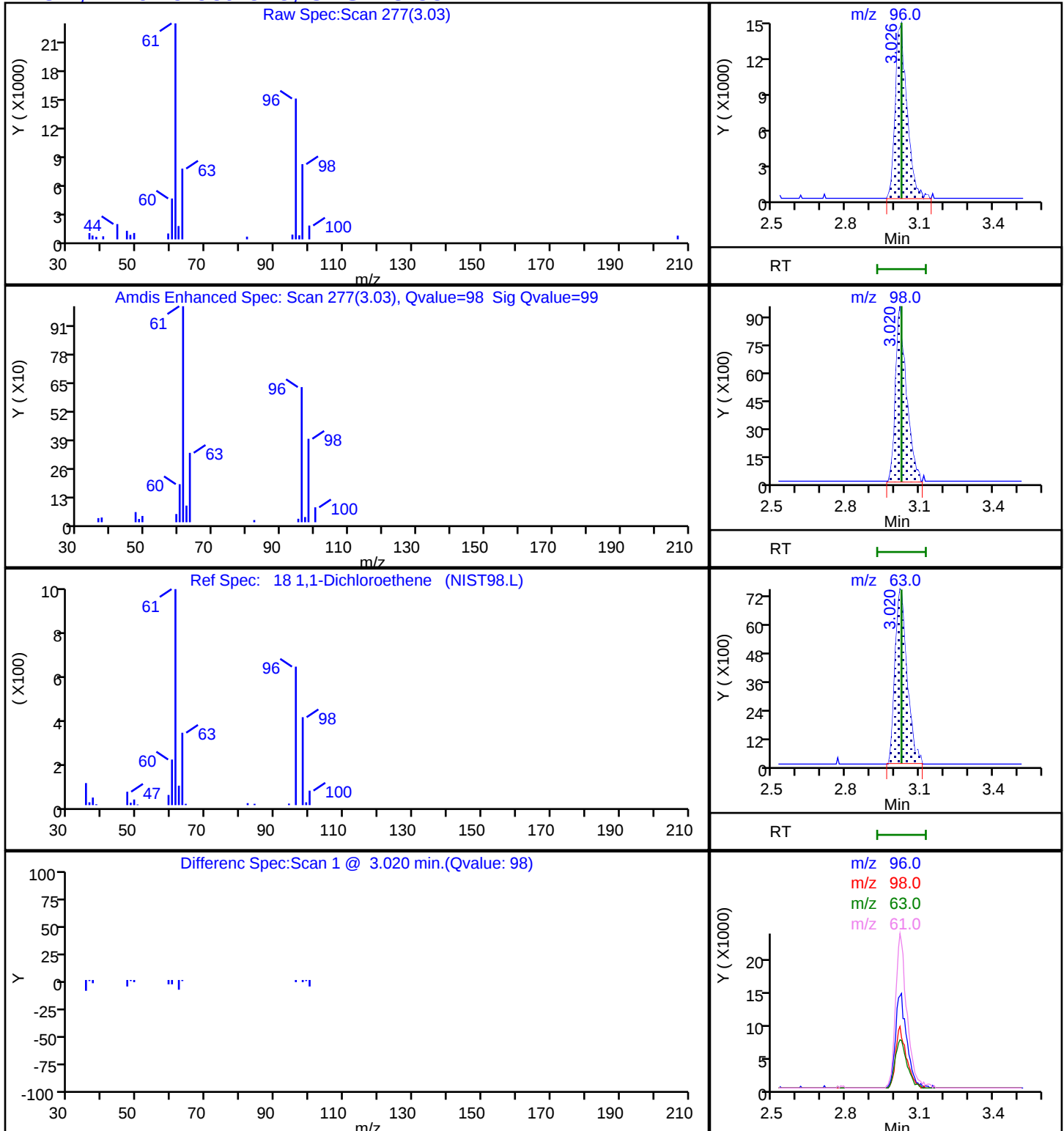
Dil. Factor: 1.0000

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\20241226-134250.b\GD26X24.D

Injection Date: 26-Dec-2024 17:57:30

Instrument ID: 16334

Lims ID: 410-201498-A-8

Lab Sample ID: 410-201498-8

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

Operator ID: ecr105096

ALS Bottle#: 24

Worklist Smp#: 25

Purge Vol: 25.000 mL

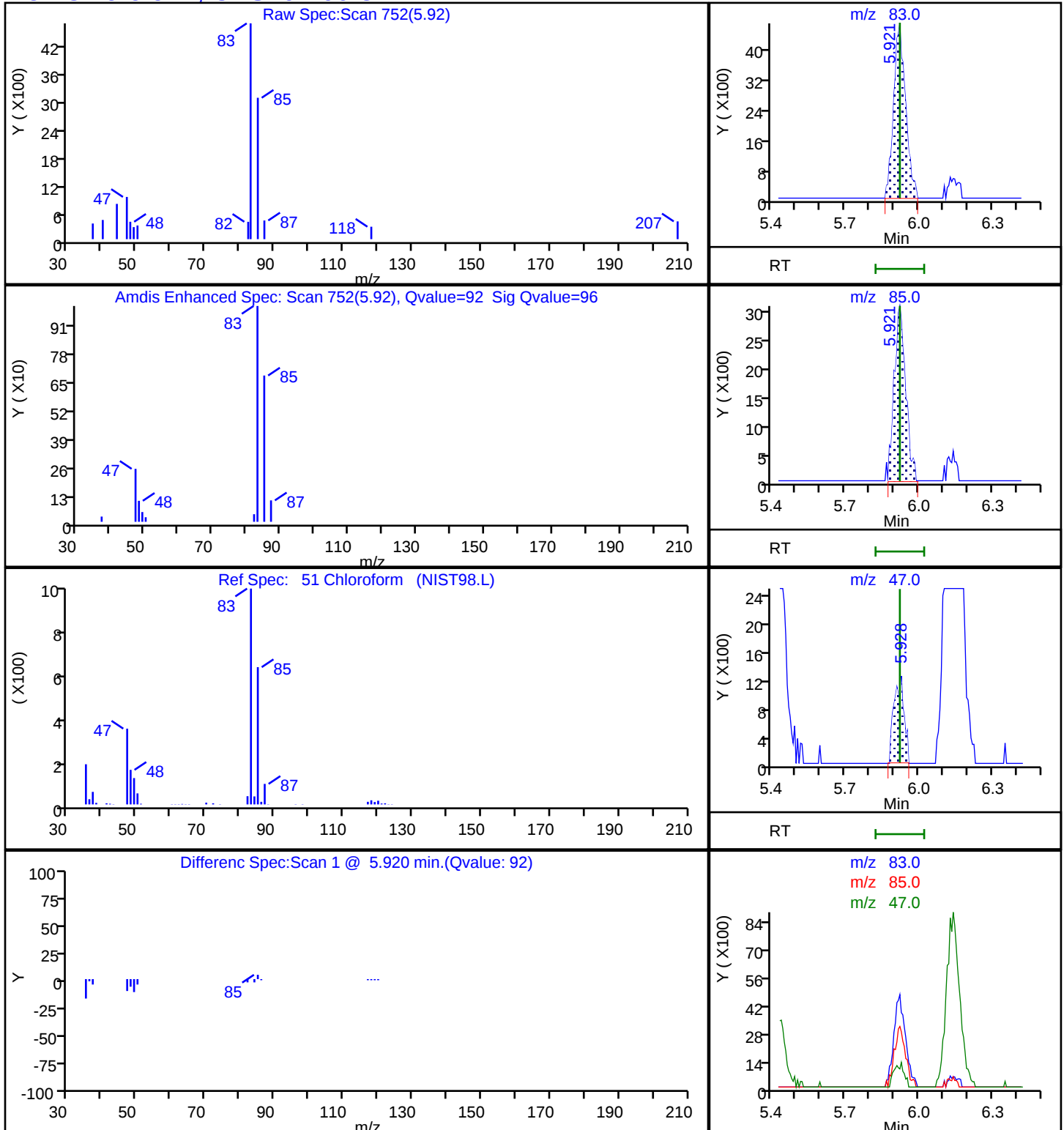
Dil. Factor: 1.0000

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\20241226-134250.b\GD26X24.D

Injection Date: 26-Dec-2024 17:57:30

Instrument ID: 16334

Lims ID: 410-201498-A-8

Lab Sample ID: 410-201498-8

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

Operator ID: ecr105096

ALS Bottle#: 24

Worklist Smp#: 25

Purge Vol: 25.000 mL

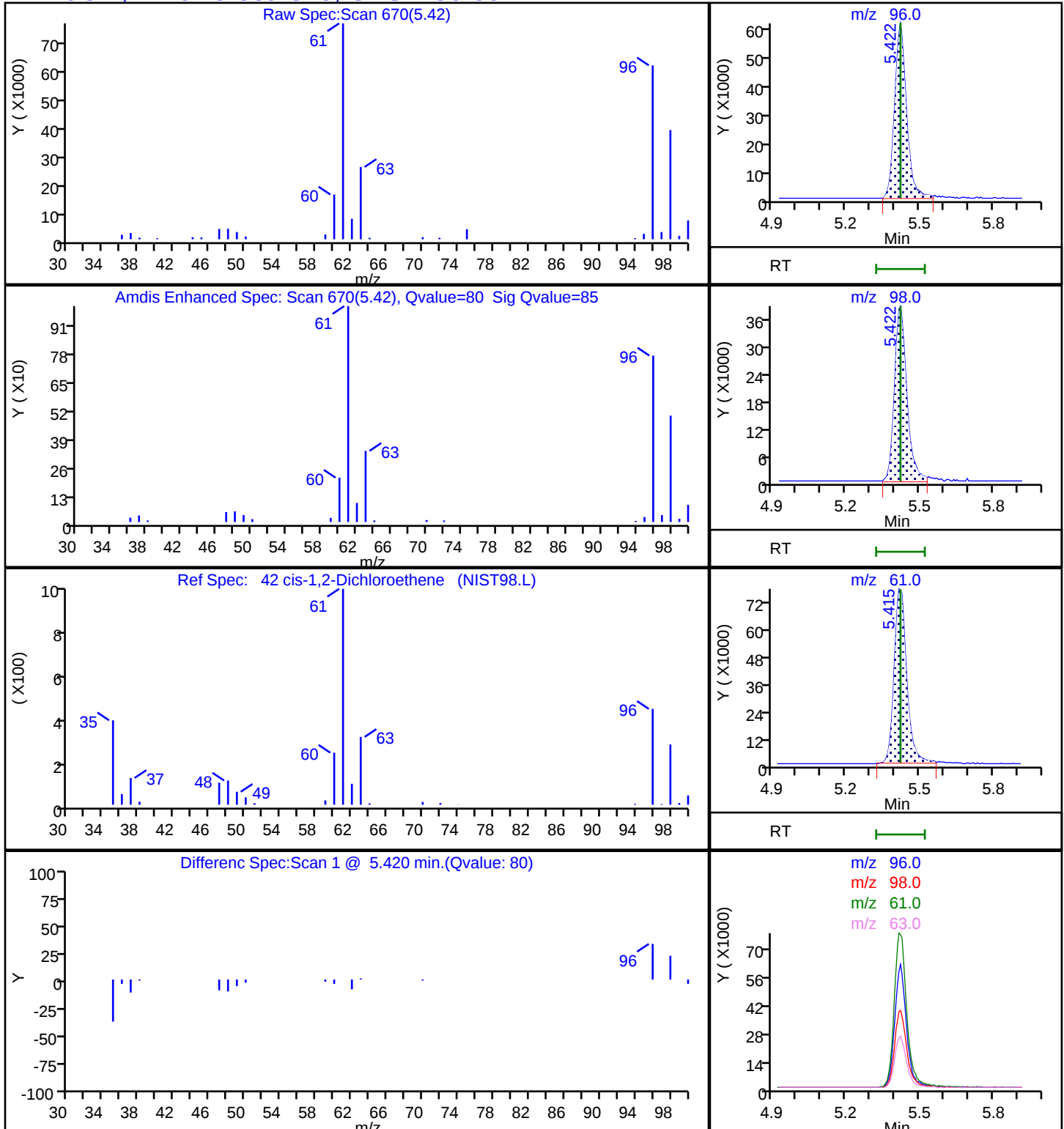
Dil. Factor: 1.0000

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\20241226-134250.b\GD26X24.D

Injection Date: 26-Dec-2024 17:57:30

Instrument ID: 16334

Lims ID: 410-201498-A-8

Lab Sample ID: 410-201498-8

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

Operator ID: ecr105096

ALS Bottle#: 24

Worklist Smp#: 25

Purge Vol: 25.000 mL

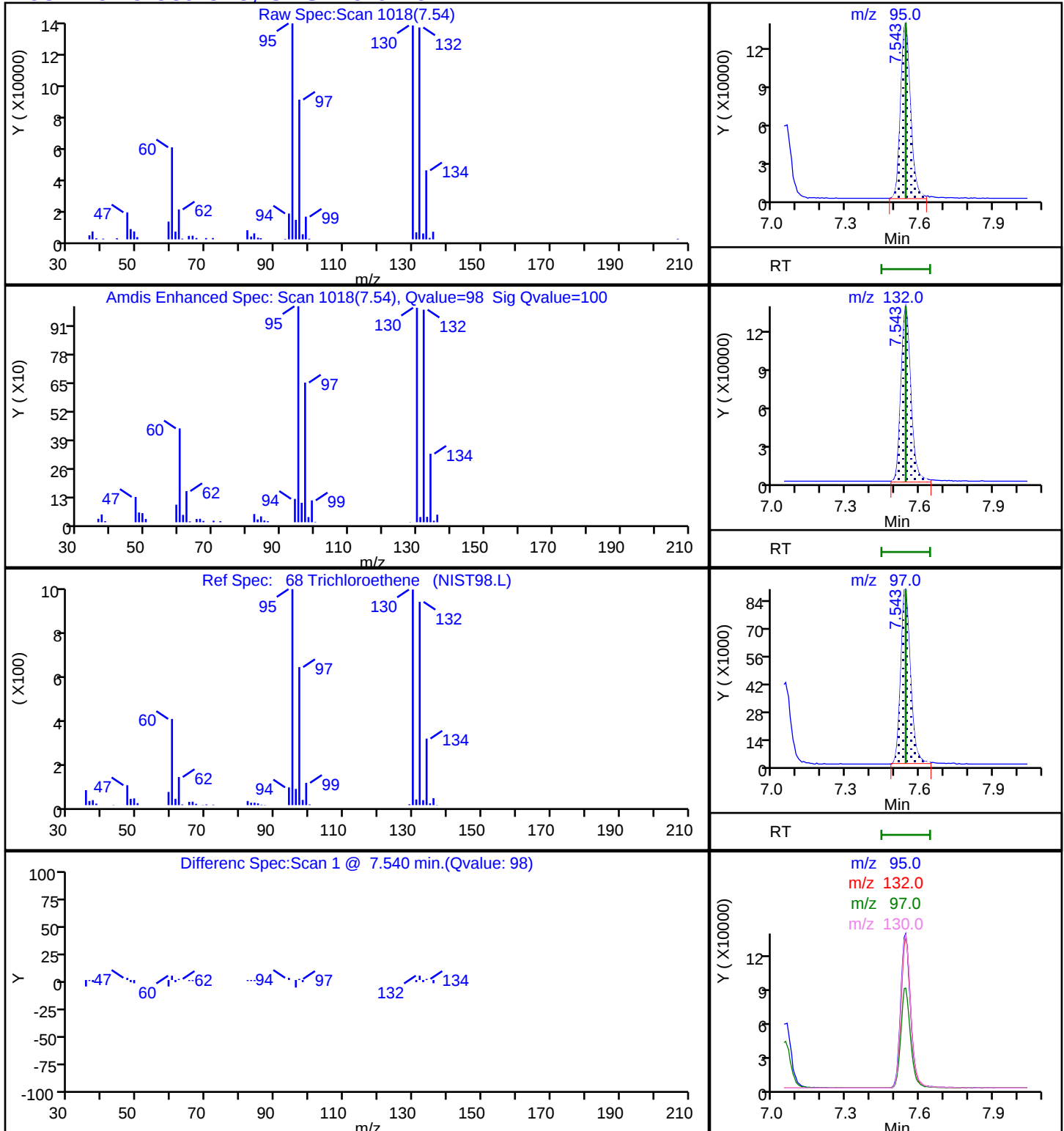
Dil. Factor: 1.0000

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\20241226-134250.b\GD26X24.D

Injection Date: 26-Dec-2024 17:57:30

Instrument ID: 16334

Lims ID: 410-201498-A-8

Lab Sample ID: 410-201498-8

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

Operator ID: ecr105096

ALS Bottle#:

24

Worklist Smp#: 25

Purge Vol: 25.000 mL

Dil. Factor:

1.0000

Method: MSV_16334_25mL

Limit Group:

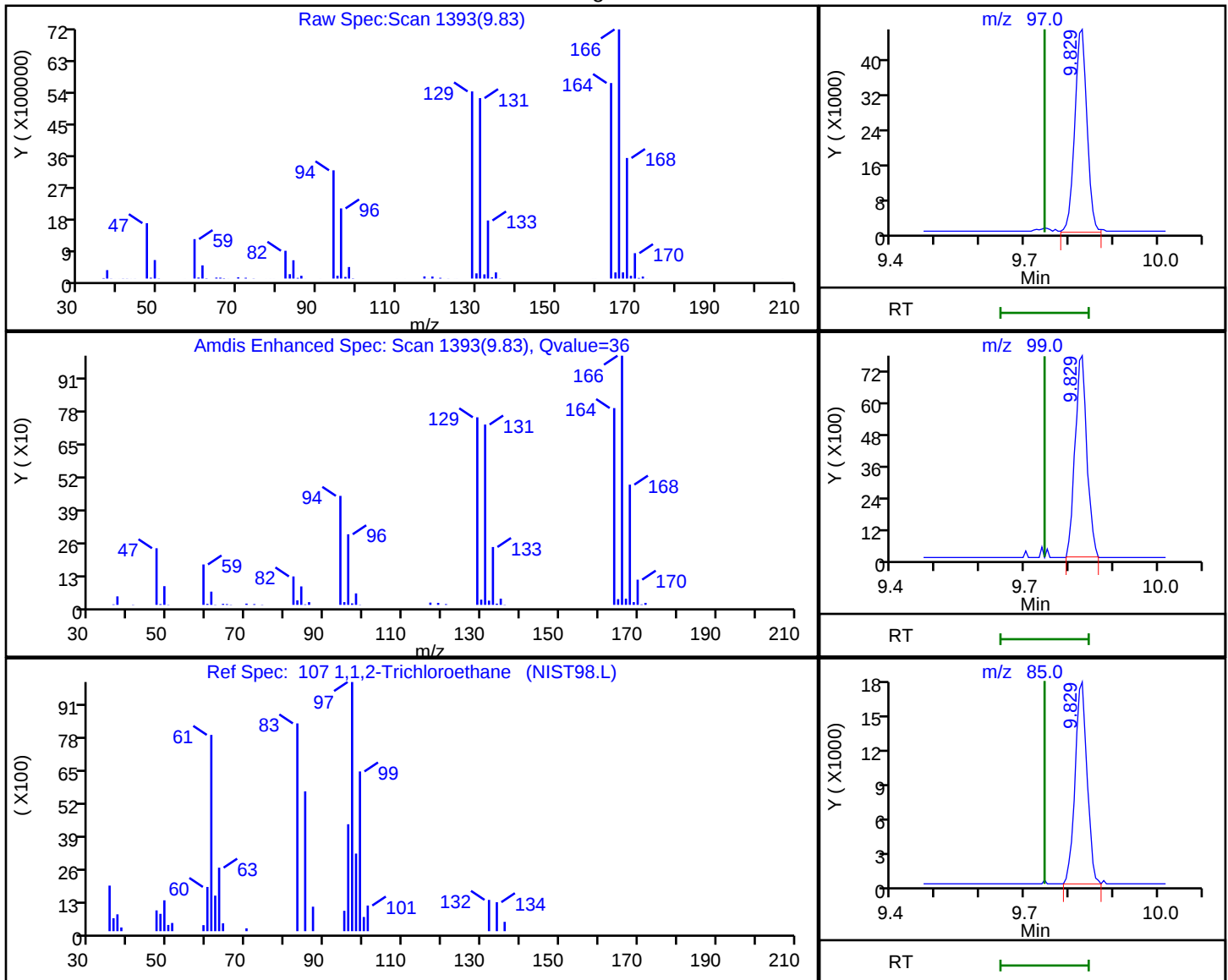
MSV - 8260C_D

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
9.83	97.00	88428	2.786187
9.83	99.00	14519	
9.83	85.00	33567	
9.83	83.00	243598	

Reviewer: FQ4L, 27-Dec-2024 09:48:25 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

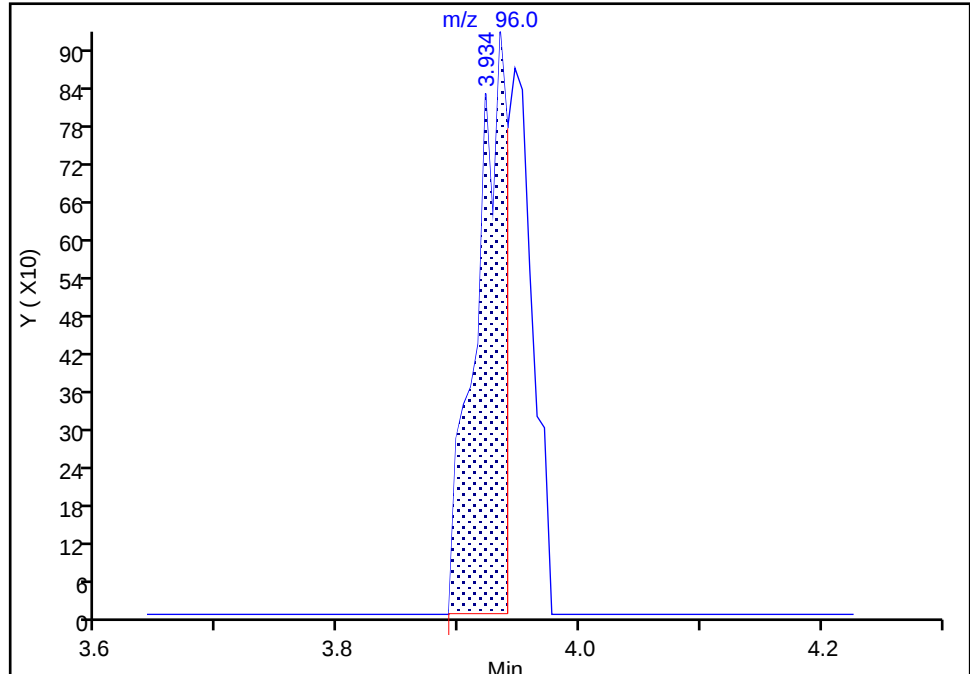
Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X24.D
Injection Date: 26-Dec-2024 17:57:30 Instrument ID: 16334
Lims ID: 410-201498-A-8 Lab Sample ID: 410-201498-8
Client ID: HD-COD-SW-17-0/1-0
Operator ID: ecr105096 ALS Bottle#: 24 Worklist Smp#: 25
Purge Vol: 25.000 mL Dil. Factor: 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

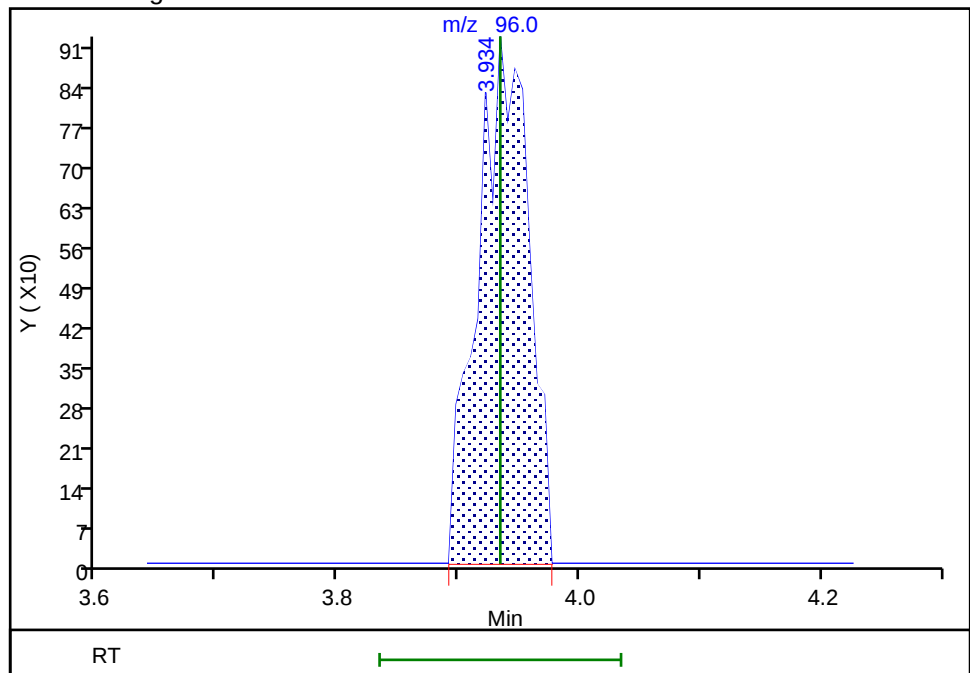
RT: 3.93
Area: 1663
Amount: 0.033222
Amount Units: ug/l

Processing Integration Results



RT: 3.93
Area: 2708
Amount: 0.054098
Amount Units: ug/l

Manual Integration Results



Reviewer: FQ4L, 27-Dec-2024 09:48:11 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.: 410-201498-1

SDG No. :

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

Lab Sample ID: 410-201498-8 DL

Matrix: Water

Lab File ID: GD26X25.D

Analysis Method: 8260D

Date Collected: 12/18/2024 09:35

Sample wt/vol: 25 (mL)

Date Analyzed: 12/26/2024 18:19

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.: 589906

Units: ug/L

Preparation Batch No.:

Instrument ID: 16334

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
127-18-4	Tetrachloroethene	200		5.0	2.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		80-120
460-00-4	4-Bromofluorobenzene (Surr)	90		80-120
1868-53-7	Dibromofluoromethane (Surr)	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\16334\20241226-134250.b\GD26X25.D
 Lims ID: 410-201498-B-8 DL
 Client ID: HD-COD-SW-17-0/1-0
 Sample Type: Client
 Inject. Date: 26-Dec-2024 18:19:30 ALS Bottle#: 25 Worklist Smp#: 26
 Purge Vol: 25.000 mL Dil. Factor: 10.0000
 Sample Info: 410-0134250-026
 Operator ID: ecr105096 Instrument ID: 16334
 Method: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\MSV_16334_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 27-Dec-2024 09:48:59 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: CTX1647

First Level Reviewer: FQ4L

Date: 27-Dec-2024 09:48:59

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50		1.886				ND	
6 Vinyl chloride	62		1.989				ND	
9 Bromomethane	94		2.282				ND	
10 Chloroethane	64		2.312				ND	
18 1,1-Dichloroethene	96	3.019	3.026	-0.007	94	3725	0.0964	
19 Acetone	43		3.056				ND	
24 Carbon disulfide	76		3.282				ND	7
29 Methylene Chloride	84		3.587				ND	
* 30 t-Butyl alcohol-d10 (IS)	65	3.611	3.617	-0.006	24	70709	50.0	
33 Methyl tert-butyl ether	73		3.934				ND	
34 trans-1,2-Dichloroethene	96		3.934				ND	
37 1,1-Dichloroethane	63	4.562	4.562	0.000	96	20842	0.2533	
41 2-Butanone (MEK)	43		5.397				ND	
42 cis-1,2-Dichloroethene	96	5.421	5.422	-0.001	78	18593	0.3742	
49 Chlorobromomethane	128		5.757				ND	
51 Chloroform	83		5.921				ND	
\$ 52 Dibromofluoromethane (Surr)	113	6.141	6.141	0.000	93	429996	10.6	
53 1,1,1-Trichloroethane	97	6.141	6.147	-0.006	84	101564	1.42	
55 Carbon tetrachloride	117		6.360				ND	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.598	6.598	0.000	66	80689	10.5	
60 Benzene	78		6.629				ND	
61 1,2-Dichloroethane	62		6.702				ND	
* 64 Fluorobenzene (IS)	96	7.049	7.049	0.000	99	1713667	10.0	
68 Trichloroethene	95	7.549	7.543	0.006	98	33146	0.6781	
70 1,2-Dichloropropane	63		7.872				ND	
76 Dichlorobromomethane	83		8.232				ND	
81 cis-1,3-Dichloropropene	75		8.805				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.012				ND	
\$ 83 Toluene-d8 (Surr)	98	9.146	9.140	0.006	94	1699065	9.43	
84 Toluene	92		9.226				ND	
85 trans-1,3-Dichloropropene	75		9.524				ND	
107 1,1,2-Trichloroethane	97		9.744				ND	U

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
108 Tetrachloroethene	166	9.829	9.829	0.000	97	1101235	19.5	
110 2-Hexanone	43		9.988				ND	
112 Chlorodibromomethane	129		10.140				ND	
113 Ethylene Dibromide	107		10.250				ND	
* 114 Chlorobenzene-d5 (IS)	117	10.707	10.707	0.000	86	1297465	10.0	
116 Chlorobenzene	112		10.738				ND	
117 1,1,1,2-Tetrachloroethane	131		10.823				ND	
118 Ethylbenzene	91		10.835				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		11.311				ND	
123 Bromoform	173		11.463				ND	
\$ 127 4-Bromofluorobenzene (Surr)	95	11.743	11.743	0.000	89	562601	9.05	
128 1,1,2,2-Tetrachloroethane	83		11.859				ND	
* 142 1,4-Dichlorobenzene-d4	152	12.633	12.640	-0.007	95	655408	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSV_29_826ISS_00058

Amount Added: 1.20

Units: uL

Run Reagent

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X25.D

Injection Date: 26-Dec-2024 18:19:30

Instrument ID: 16334

Operator ID: ecr105096

Lims ID: 410-201498-B-8 DL

Lab Sample ID: 410-201498-8

Worklist Smp#: 26

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

Purge Vol: 25.000 mL

Dil. Factor: 10.0000

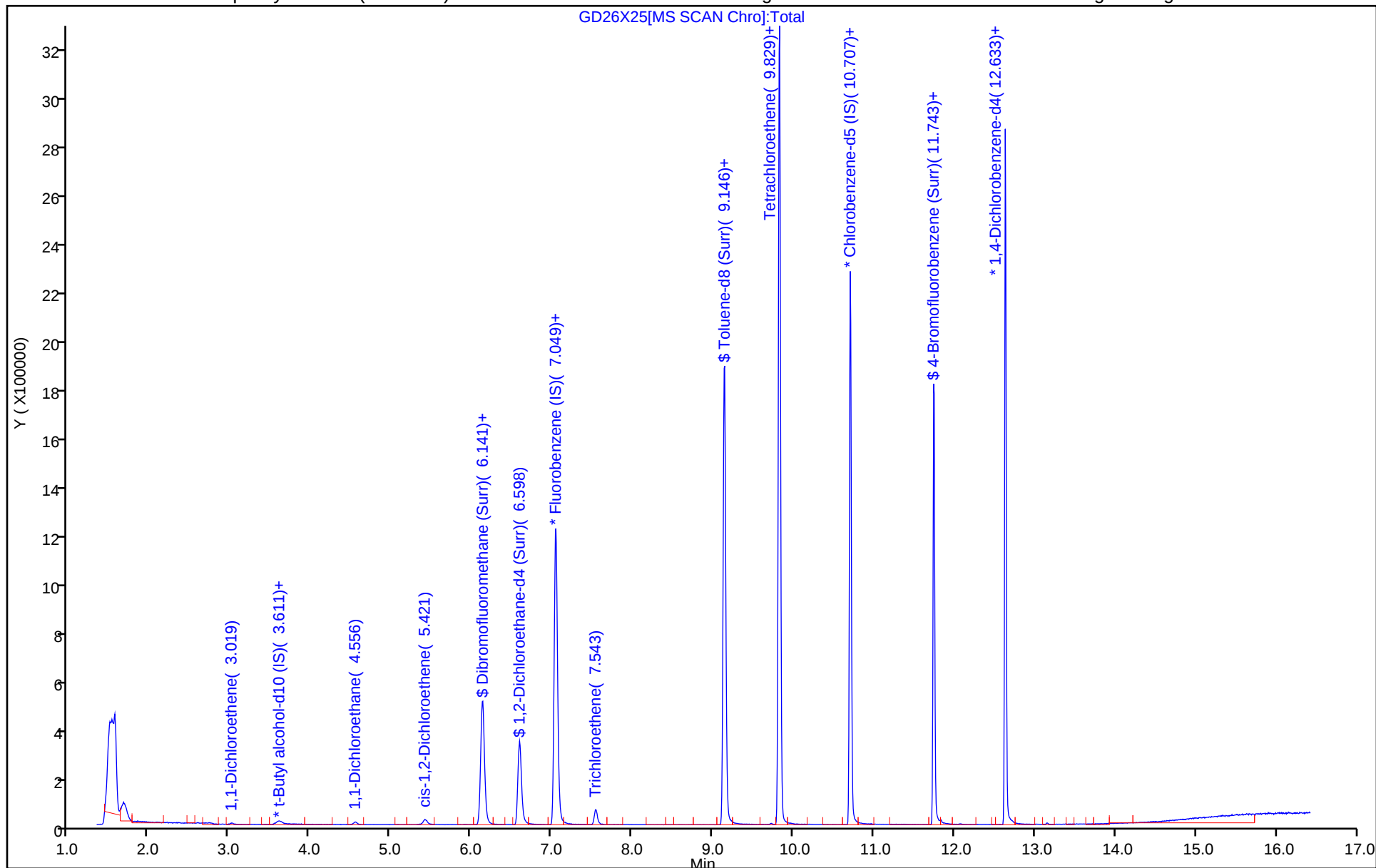
ALS Bottle#: 25

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\20241226-134250.b\GD26X25.D
Lims ID: 410-201498-B-8 DL
Client ID: HD-COD-SW-17-0/1-0
Sample Type: Client
Inject. Date: 26-Dec-2024 18:19:30 ALS Bottle#: 25 Worklist Smp#: 26
Purge Vol: 25.000 mL Dil. Factor: 10.0000
Sample Info: 410-0134250-026
Operator ID: ecr105096 Instrument ID: 16334
Method: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 27-Dec-2024 09:48:59 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: CTX1647

First Level Reviewer: FQ4L

Date: 27-Dec-2024 09:48:59

Compound	Amount Added	Amount Recovered	% Rec.
\$ 52 Dibromofluoromethane (Surr)	10.0	10.6	106.35
\$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.5	104.61
\$ 83 Toluene-d8 (Surr)	10.0	9.43	94.35
\$ 127 4-Bromofluorobenzene (Surr)	10.0	9.05	90.46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X25.D

Injection Date: 26-Dec-2024 18:19:30

Instrument ID: 16334

Lims ID: 410-201498-B-8 DL

Lab Sample ID: 410-201498-8

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

Operator ID: ecr105096

ALS Bottle#: 25

Worklist Smp#: 26

Purge Vol: 25.000 mL

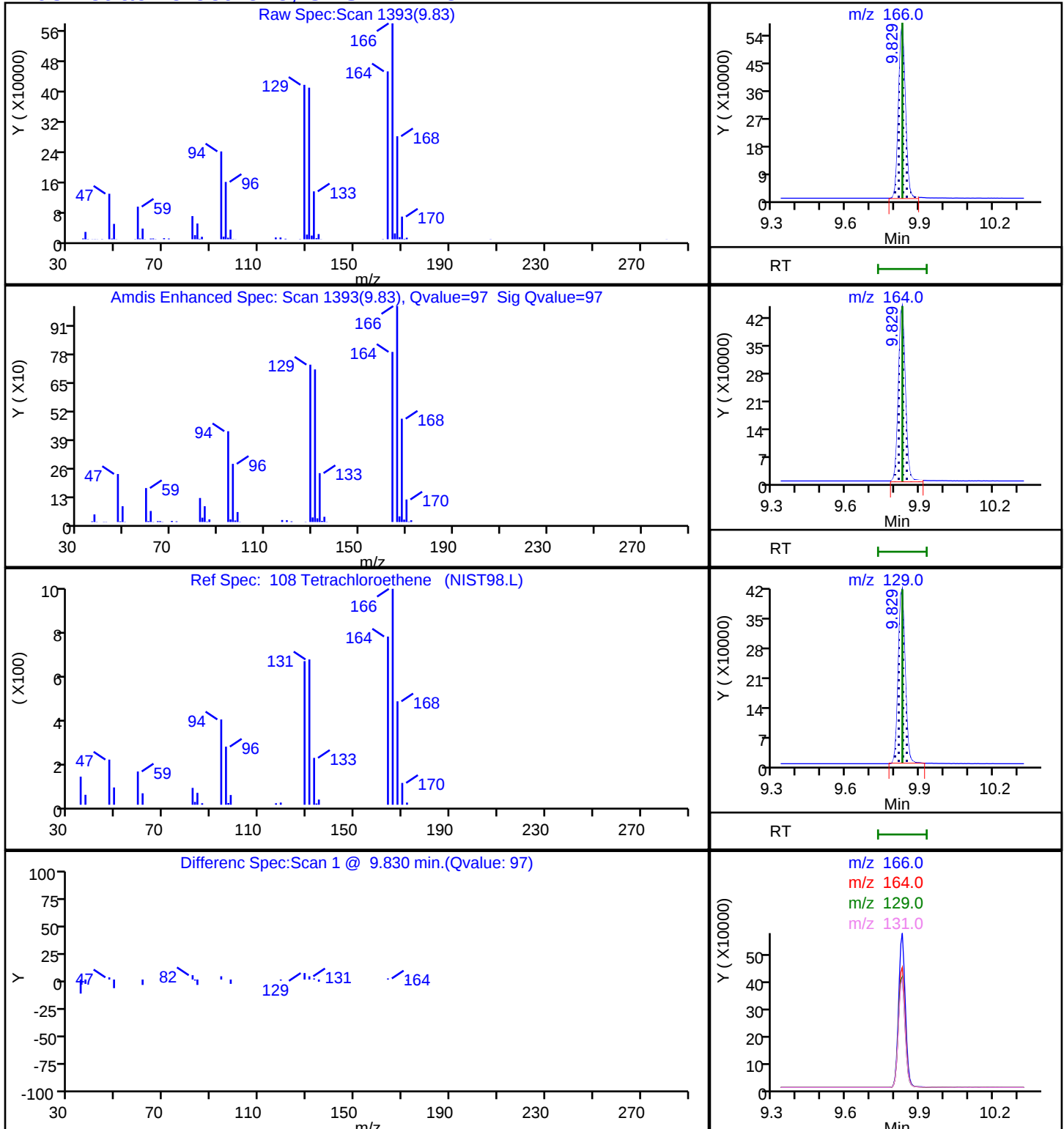
Dil. Factor: 10.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

108 Tetrachloroethene, CAS: 127-18-4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-201498-1

SDG No.:

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

Lab Sample ID: 410-201498-9

Matrix: Water

Lab File ID: GD26X20.D

Analysis Method: 8260D

Date Collected: 12/18/2024 10:55

Sample wt/vol: 25 (mL)

Date Analyzed: 12/26/2024 16:29

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 589906

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	0.13	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	0.82		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	3.8		0.50	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-201498-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: HD-COD-SW-26-0/1-0 Lab Sample ID: 410-201498-9

Matrix: Water Lab File ID: GD26X20.D

Analysis Method: 8260D Date Collected: 12/18/2024 10:55

Sample wt/vol: 25 (mL) Date Analyzed: 12/26/2024 16:29

Soil Aliquot Vol: _____ Dilution Factor: 1

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

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

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

Analysis Batch No.: 589906 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	0.17	J	0.50	0.080
75-01-4	Vinyl chloride	ND		0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		80-120
460-00-4	4-Bromofluorobenzene (Surr)	91		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\16334\20241226-134250.b\GD26X20.D
 Lims ID: 410-201498-A-9
 Client ID: HD-COD-SW-26-0/1-0
 Sample Type: Client
 Inject. Date: 26-Dec-2024 16:29:30 ALS Bottle#: 20 Worklist Smp#: 21
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0134250-021
 Operator ID: ecr105096 Instrument ID: 16334
 Method: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\MSV_16334_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 27-Dec-2024 09:45:42 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: CTX1647

First Level Reviewer: FQ4L

Date: 27-Dec-2024 09:46:08

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50	1.886	1.886	0.000	90	2813	0.0430	
6 Vinyl chloride	62		1.989				ND	
9 Bromomethane	94		2.282				ND	
10 Chloroethane	64		2.312				ND	
18 1,1-Dichloroethene	96	3.020	3.026	-0.006	96	4842	0.1261	
19 Acetone	43		3.056				ND	
24 Carbon disulfide	76		3.282				ND	7
29 Methylene Chloride	84		3.587				ND	
* 30 t-Butyl alcohol-d10 (IS)	65	3.611	3.617	-0.006	22	72443	50.0	
33 Methyl tert-butyl ether	73		3.934				ND	
34 trans-1,2-Dichloroethene	96		3.934				ND	
37 1,1-Dichloroethane	63		4.562				ND	
41 2-Butanone (MEK)	43		5.397				ND	
42 cis-1,2-Dichloroethene	96		5.422				ND	
49 Chlorobromomethane	128		5.757				ND	
51 Chloroform	83	5.915	5.921	-0.006	93	66005	0.8226	
\$ 52 Dibromofluoromethane (Surr)	113	6.135	6.141	-0.006	93	421295	10.5	
53 1,1,1-Trichloroethane	97		6.147				ND	7
55 Carbon tetrachloride	117		6.360				ND	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.598	6.598	0.000	66	77017	10.0	
60 Benzene	78		6.629				ND	
61 1,2-Dichloroethane	62		6.702				ND	
* 64 Fluorobenzene (IS)	96	7.043	7.049	-0.006	99	1703156	10.0	
68 Trichloroethene	95	7.549	7.543	0.006	97	8382	0.1725	
70 1,2-Dichloropropane	63		7.872				ND	
76 Dichlorobromomethane	83		8.232				ND	7
81 cis-1,3-Dichloropropene	75		8.805				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.012				ND	
\$ 83 Toluene-d8 (Surr)	98	9.140	9.140	0.000	94	1689111	9.65	
84 Toluene	92	9.232	9.226	0.006	97	5160	0.0425	
85 trans-1,3-Dichloropropene	75		9.524				ND	
107 1,1,2-Trichloroethane	97		9.744				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
108 Tetrachloroethene	166	9.829	9.829	0.000	97	210072	3.83	
110 2-Hexanone	43		9.988				ND	
112 Chlorodibromomethane	129		10.140				ND	
113 Ethylene Dibromide	107		10.250				ND	
* 114 Chlorobenzene-d5 (IS)	117	10.707	10.707	0.000	86	1260860	10.0	
116 Chlorobenzene	112		10.738				ND	
117 1,1,1,2-Tetrachloroethane	131		10.823				ND	
118 Ethylbenzene	91		10.835				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		11.311				ND	
123 Bromoform	173		11.463				ND	
\$ 127 4-Bromofluorobenzene (Surr)	95	11.743	11.743	0.000	90	548926	9.08	
128 1,1,2,2-Tetrachloroethane	83		11.859				ND	
* 142 1,4-Dichlorobenzene-d4	152	12.633	12.640	-0.007	95	649658	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

MSV_29_826ISS_00058

Amount Added: 1.20

Units: uL

Run Reagent

Report Date: 27-Dec-2024 09:46:08

Chrom Revision: 2.3 17-Dec-2024 12:44:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X20.D

Injection Date: 26-Dec-2024 16:29:30

Instrument ID: 16334

Operator ID: ecr105096

Lims ID: 410-201498-A-9

Lab Sample ID: 410-201498-9

Worklist Smp#: 21

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

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

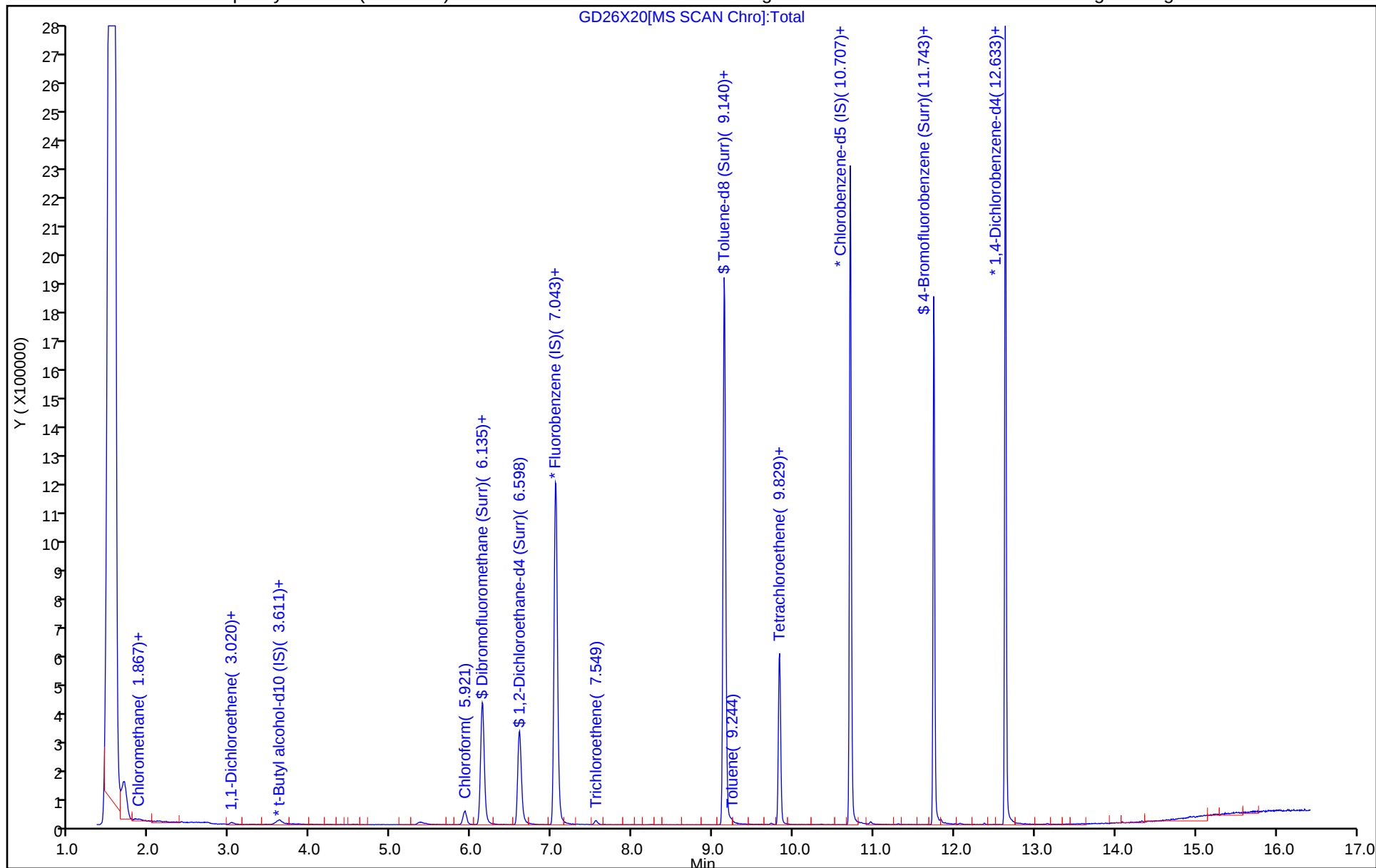
ALS Bottle#: 20

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

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



Eurofins Lancaster Laboratories Environment Testing, LLC
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X20.D
Lims ID: 410-201498-A-9
Client ID: HD-COD-SW-26-0/1-0
Sample Type: Client
Inject. Date: 26-Dec-2024 16:29:30 ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0134250-021
Operator ID: ecr105096 Instrument ID: 16334
Method: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 27-Dec-2024 09:45:42 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: CTX1647

First Level Reviewer: FQ4L

Date: 27-Dec-2024 09:46:08

Compound	Amount Added	Amount Recovered	% Rec.
\$ 52 Dibromofluoromethane (Surr)	10.0	10.5	104.84
\$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.0	100.46
\$ 83 Toluene-d8 (Surr)	10.0	9.65	96.52
\$ 127 4-Bromofluorobenzene (Surr)	10.0	9.08	90.83

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X20.D

Injection Date: 26-Dec-2024 16:29:30

Instrument ID: 16334

Lims ID: 410-201498-A-9

Lab Sample ID: 410-201498-9

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

Operator ID: ecr105096

ALS Bottle#: 20

Worklist Smp#: 21

Purge Vol: 25.000 mL

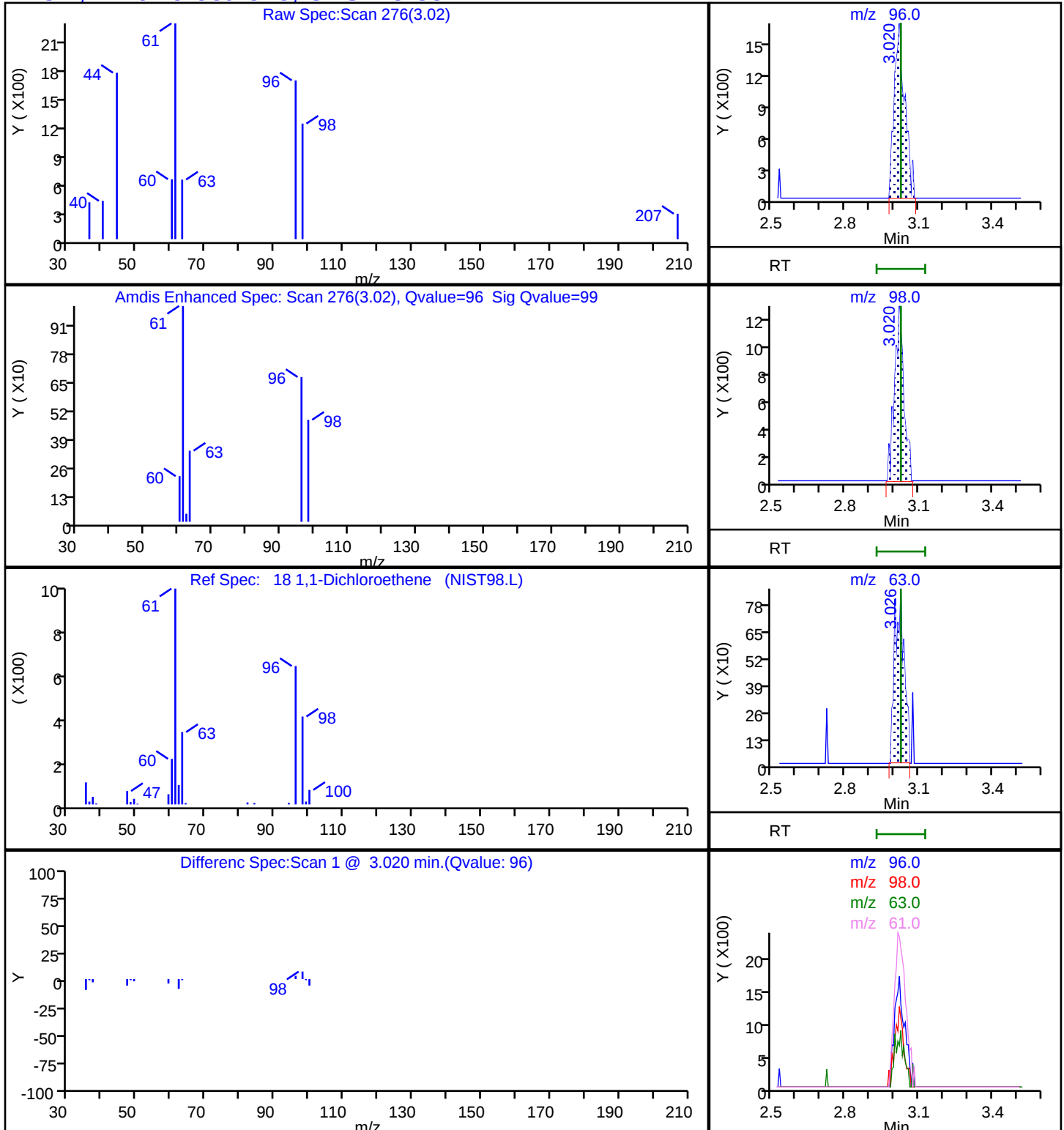
Dil. Factor: 1.0000

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\20241226-134250.b\GD26X20.D

Injection Date: 26-Dec-2024 16:29:30

Instrument ID: 16334

Lims ID: 410-201498-A-9

Lab Sample ID: 410-201498-9

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

Operator ID: ecr105096

ALS Bottle#: 20

Worklist Smp#: 21

Purge Vol: 25.000 mL

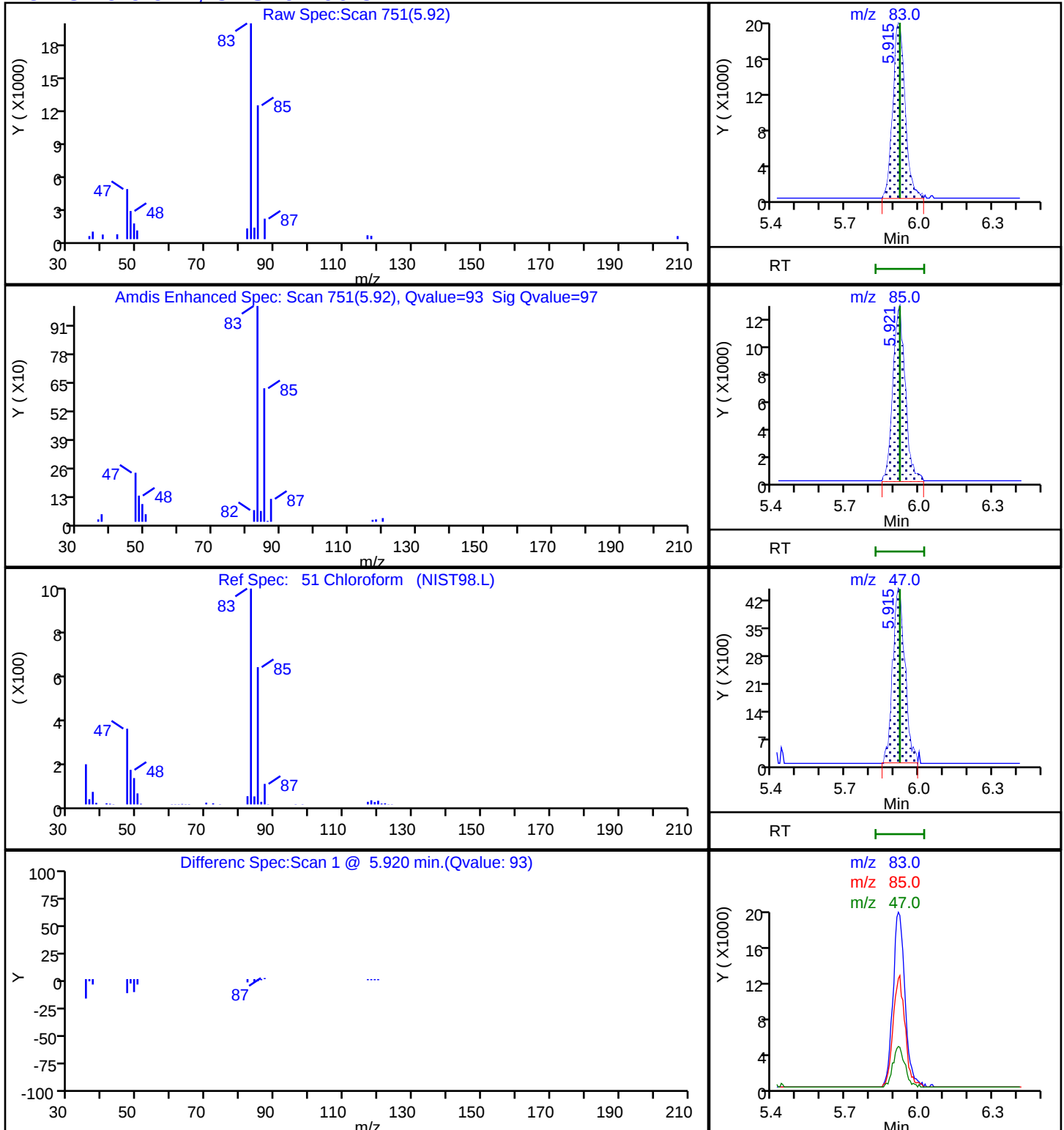
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

51 Chloroform, CAS: 67-66-3

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X20.D

Injection Date: 26-Dec-2024 16:29:30

Instrument ID: 16334

Lims ID: 410-201498-A-9

Lab Sample ID: 410-201498-9

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

Operator ID: ecr105096

ALS Bottle#: 20

Worklist Smp#: 21

Purge Vol: 25.000 mL

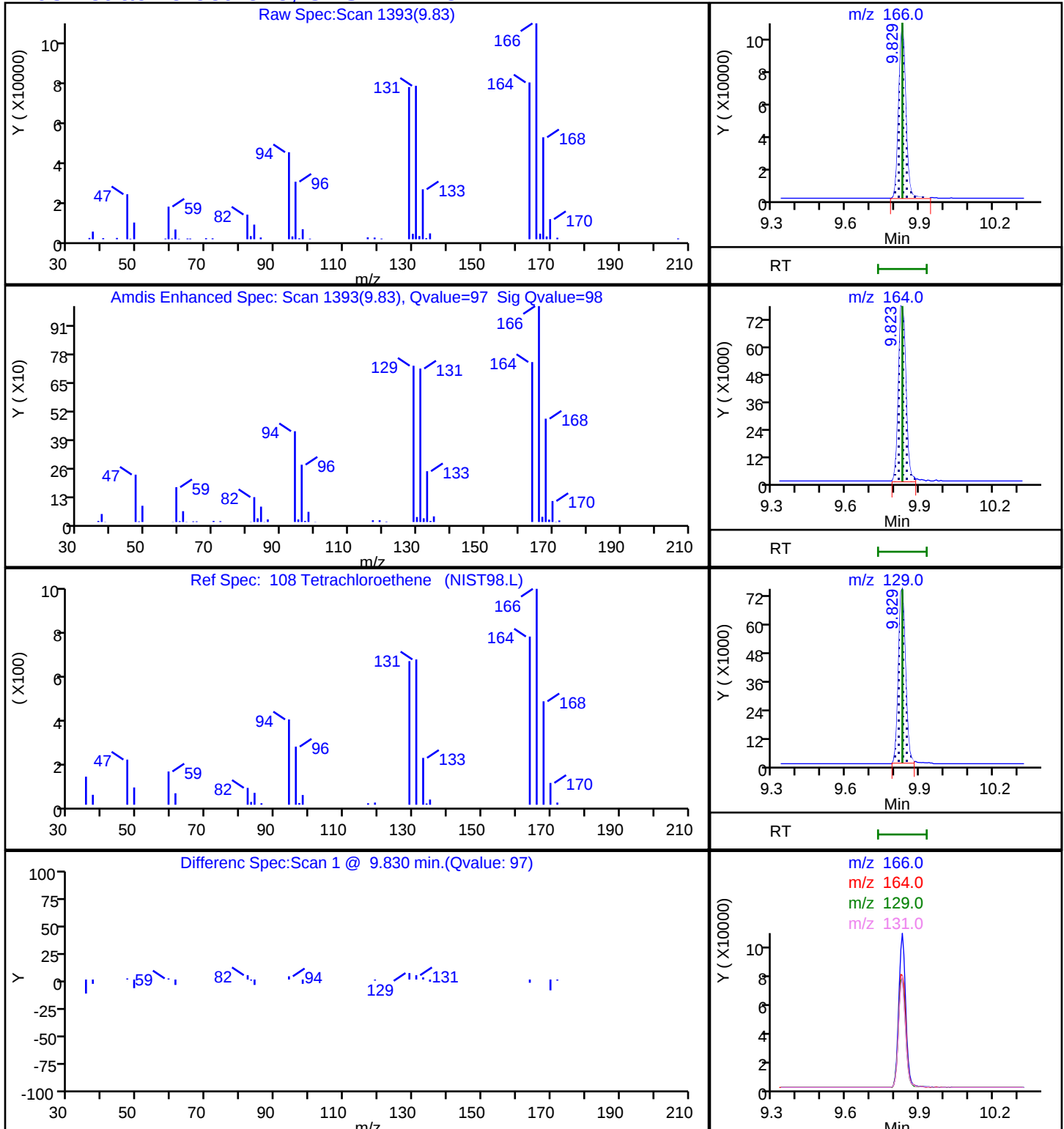
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

108 Tetrachloroethene, CAS: 127-18-4

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X20.D

Injection Date: 26-Dec-2024 16:29:30

Instrument ID: 16334

Lims ID: 410-201498-A-9

Lab Sample ID: 410-201498-9

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

Operator ID: ecr105096

ALS Bottle#: 20

Worklist Smp#: 21

Purge Vol: 25.000 mL

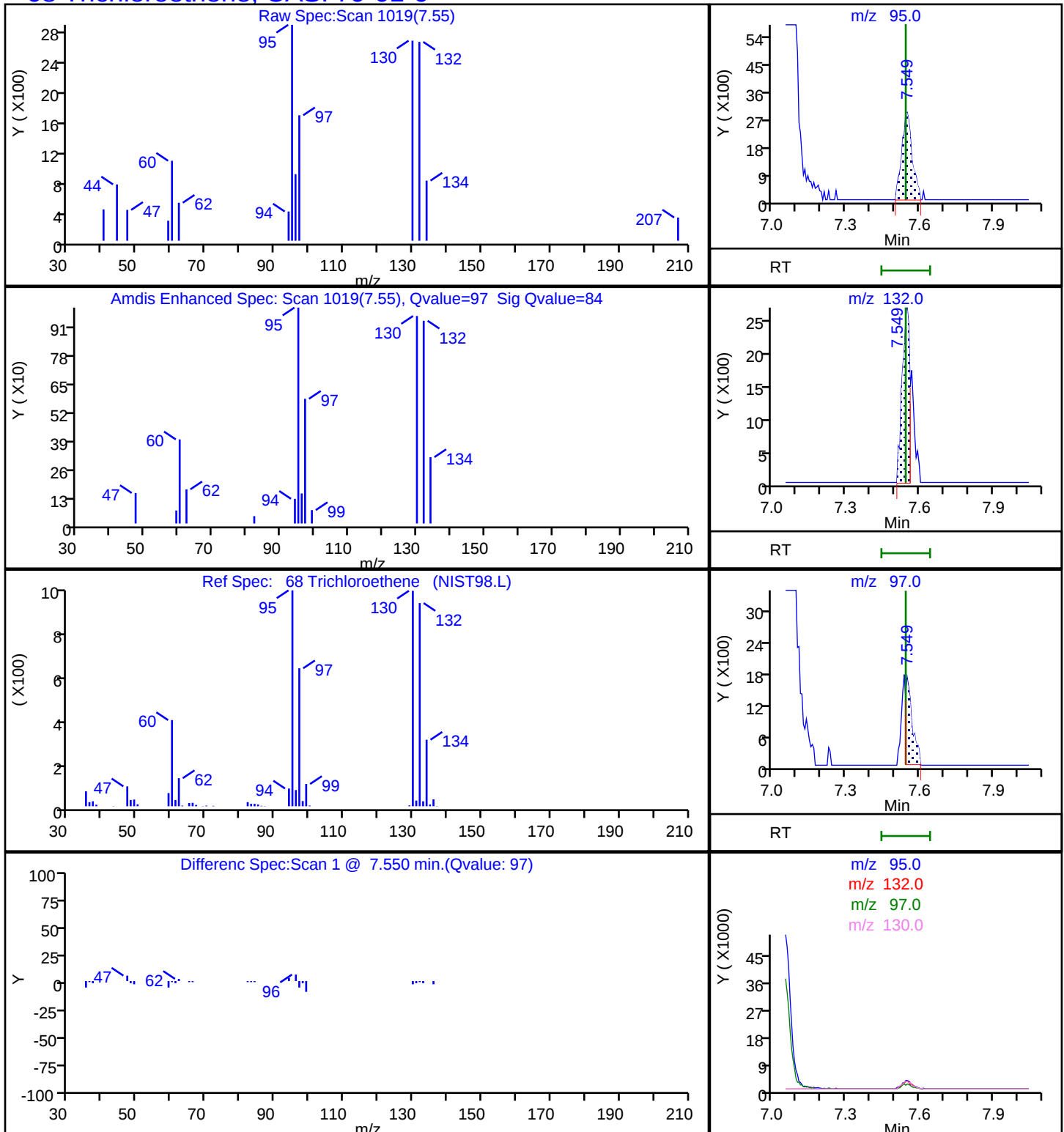
Dil. Factor: 1.0000

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-201498-1

SDG No.:

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

Lab Sample ID: 410-201498-10

Matrix: Water

Lab File ID: GD26X21.D

Analysis Method: 8260D

Date Collected: 12/18/2024 11:25

Sample wt/vol: 25 (mL)

Date Analyzed: 12/26/2024 16:51

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.: 589906

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	2.8	J	5.0	1.5
71-43-2	Benzene	ND		0.50	0.10
74-97-5	Bromochloromethane	ND		0.50	0.080
75-27-4	Bromodichloromethane	ND		0.50	0.080
75-25-2	Bromoform	ND		1.0	0.30
74-83-9	Bromomethane	ND		0.50	0.10
75-15-0	Carbon disulfide	ND		1.0	0.10
56-23-5	Carbon tetrachloride	ND		0.50	0.10
108-90-7	Chlorobenzene	ND		0.50	0.070
75-00-3	Chloroethane	ND		0.50	0.10
67-66-3	Chloroform	0.24	J	0.50	0.090
74-87-3	Chloromethane	0.15	J	0.50	0.10
156-59-2	cis-1,2-Dichloroethene	0.13	J	0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	ND		0.50	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-201498-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: HD-COD-SW-27-0/1-0 Lab Sample ID: 410-201498-10

Matrix: Water Lab File ID: GD26X21.D

Analysis Method: 8260D Date Collected: 12/18/2024 11:25

Sample wt/vol: 25 (mL) Date Analyzed: 12/26/2024 16:51

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.: 589906 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	0.27	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)	92		80-120
1868-53-7	Dibromofluoromethane (Surr)	106		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\20241226-134250.b\GD26X21.D
 Lims ID: 410-201498-A-10
 Client ID: HD-COD-SW-27-0/1-0
 Sample Type: Client
 Inject. Date: 26-Dec-2024 16:51:30 ALS Bottle#: 21 Worklist Smp#: 22
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0134250-022
 Operator ID: ecr105096 Instrument ID: 16334
 Method: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\MSV_16334_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 27-Dec-2024 09:46:49 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: CTX1647

First Level Reviewer: FQ4L

Date: 27-Dec-2024 09:46:49

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50	1.886	1.886	0.000	96	10465	0.1535	
6 Vinyl chloride	62		1.989				ND	7
9 Bromomethane	94		2.282				ND	
10 Chloroethane	64		2.312				ND	
18 1,1-Dichloroethene	96		3.026				ND	
19 Acetone	43	3.074	3.056	0.018	96	11165	2.80	
24 Carbon disulfide	76	3.276	3.282	-0.006	95	12317	0.0839	
29 Methylene Chloride	84		3.587				ND	
* 30 t-Butyl alcohol-d10 (IS)	65	3.629	3.617	0.012	22	69562	50.0	
33 Methyl tert-butyl ether	73		3.934				ND	
34 trans-1,2-Dichloroethene	96		3.934				ND	
37 1,1-Dichloroethane	63		4.562				ND	
41 2-Butanone (MEK)	43		5.397				ND	
42 cis-1,2-Dichloroethene	96	5.428	5.422	0.006	77	6852	0.1330	
49 Chlorobromomethane	128		5.757				ND	
51 Chloroform	83	5.921	5.921	0.000	92	19936	0.2382	
\$ 52 Dibromofluoromethane (Surr)	113	6.141	6.141	0.000	93	442879	10.6	
53 1,1,1-Trichloroethane	97		6.147				ND	
55 Carbon tetrachloride	117		6.360				ND	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.598	6.598	0.000	66	82405	10.3	
60 Benzene	78		6.629				ND	7
61 1,2-Dichloroethane	62		6.702				ND	
* 64 Fluorobenzene (IS)	96	7.049	7.049	0.000	99	1776382	10.0	
68 Trichloroethene	95	7.537	7.543	-0.006	96	13777	0.2719	
70 1,2-Dichloropropane	63		7.872				ND	
76 Dichlorobromomethane	83	8.238	8.232	0.006	1	1921	0.0351	M
81 cis-1,3-Dichloropropene	75		8.805				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.012				ND	
\$ 83 Toluene-d8 (Surr)	98	9.146	9.140	0.006	94	1783575	9.79	
84 Toluene	92	9.226	9.226	0.000	97	8362	0.0661	
85 trans-1,3-Dichloropropene	75		9.524				ND	
107 1,1,2-Trichloroethane	97		9.744				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
108 Tetrachloroethene	166	9.835	9.829	0.006	98	10442	0.1829	
110 2-Hexanone	43		9.988				ND	
112 Chlorodibromomethane	129		10.140				ND	
113 Ethylene Dibromide	107		10.250				ND	
* 114 Chlorobenzene-d5 (IS)	117	10.707	10.707	0.000	86	1312596	10.0	
116 Chlorobenzene	112		10.738				ND	
117 1,1,1,2-Tetrachloroethane	131		10.823				ND	
118 Ethylbenzene	91		10.835				ND	7
120 m-Xylene & p-Xylene	106	10.963	10.951	0.012	98	3803	0.0401	
S 119 Xylenes, Total	106		11.245				ND	7
121 o-Xylene	106		11.292				ND	7
122 Styrene	104		11.311				ND	
123 Bromoform	173		11.463				ND	
\$ 127 4-Bromofluorobenzene (Surr)	95	11.743	11.743	0.000	90	576208	9.16	
128 1,1,2,2-Tetrachloroethane	83		11.859				ND	
* 142 1,4-Dichlorobenzene-d4	152	12.633	12.640	-0.007	95	682581	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

Reagents:

MSV_29_826ISS_00058

Amount Added: 1.20

Units: uL

Run Reagent

Report Date: 27-Dec-2024 09:46:50

Chrom Revision: 2.3 17-Dec-2024 12:44:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X21.D

Injection Date: 26-Dec-2024 16:51:30

Instrument ID: 16334

Operator ID: ecr105096

Lims ID: 410-201498-A-10

Lab Sample ID: 410-201498-10

Worklist Smp#: 22

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

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

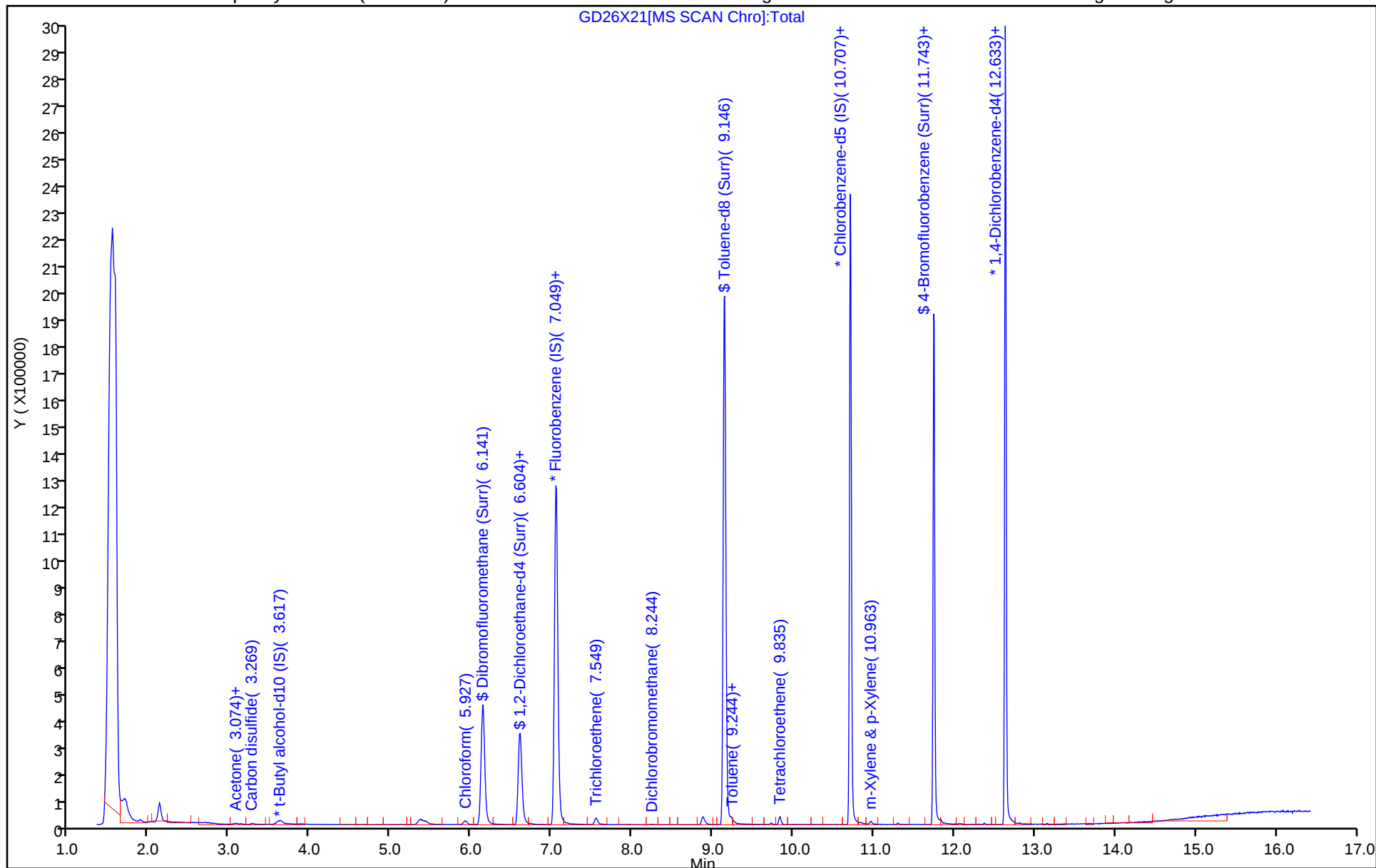
ALS Bottle#: 21

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\20241226-134250.b\GD26X21.D
Lims ID: 410-201498-A-10
Client ID: HD-COD-SW-27-0/1-0
Sample Type: Client
Inject. Date: 26-Dec-2024 16:51:30 ALS Bottle#: 21 Worklist Smp#: 22
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0134250-022
Operator ID: ecr105096 Instrument ID: 16334
Method: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 27-Dec-2024 09:46:49 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: CTX1647

First Level Reviewer: FQ4L

Date: 27-Dec-2024 09:46:49

Compound	Amount Added	Amount Recovered	% Rec.
\$ 52 Dibromofluoromethane (Surr)	10.0	10.6	105.67
\$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.3	103.06
\$ 83 Toluene-d8 (Surr)	10.0	9.79	97.90
\$ 127 4-Bromofluorobenzene (Surr)	10.0	9.16	91.58

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X21.D

Injection Date: 26-Dec-2024 16:51:30

Instrument ID: 16334

Lims ID: 410-201498-A-10

Lab Sample ID: 410-201498-10

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

Operator ID: ecr105096

ALS Bottle#: 21

Worklist Smp#: 22

Purge Vol: 25.000 mL

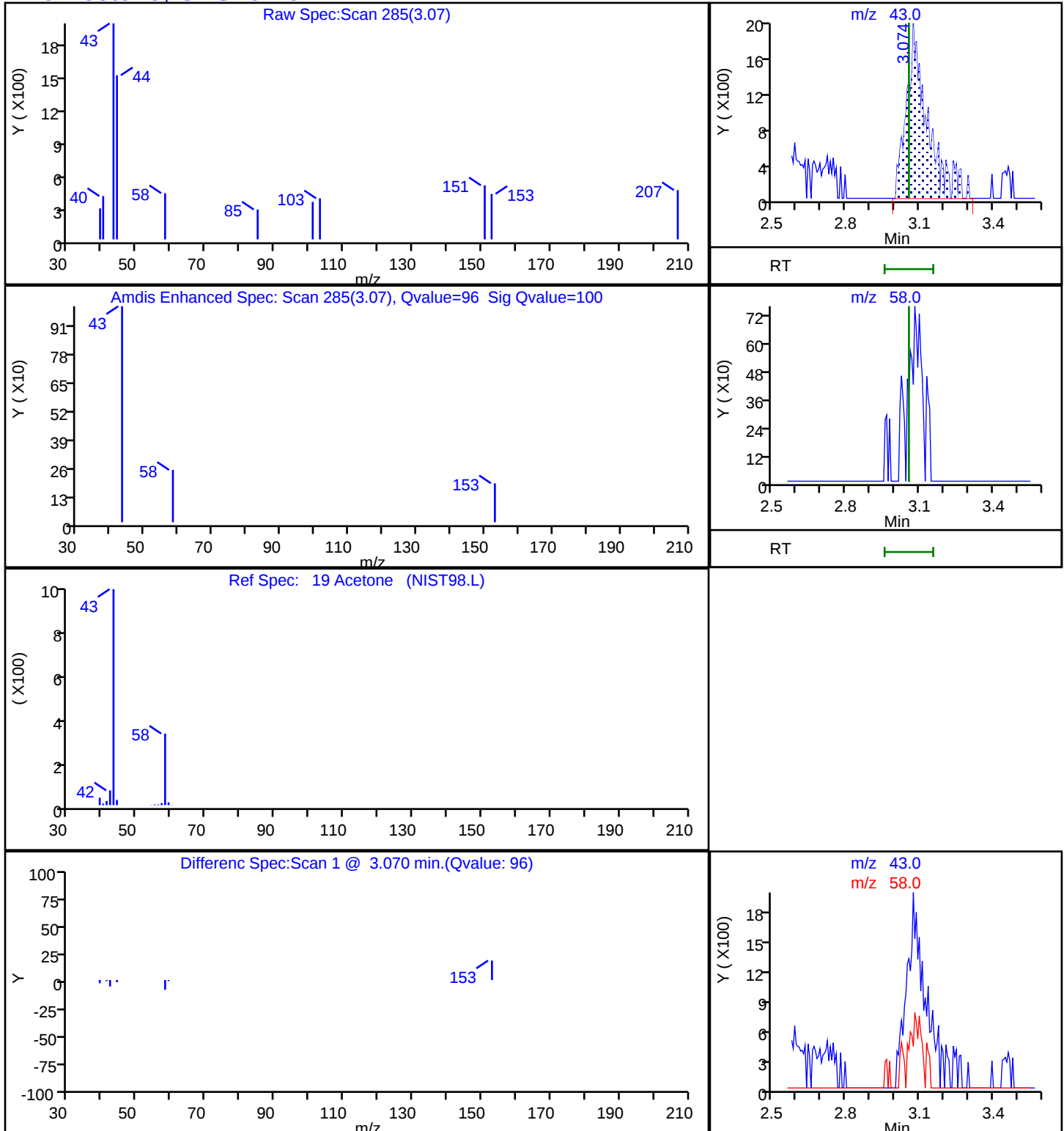
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

19 Acetone, CAS: 67-64-1

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X21.D

Injection Date: 26-Dec-2024 16:51:30

Instrument ID: 16334

Lims ID: 410-201498-A-10

Lab Sample ID: 410-201498-10

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

Operator ID: ecr105096

ALS Bottle#: 21

Worklist Smp#: 22

Purge Vol: 25.000 mL

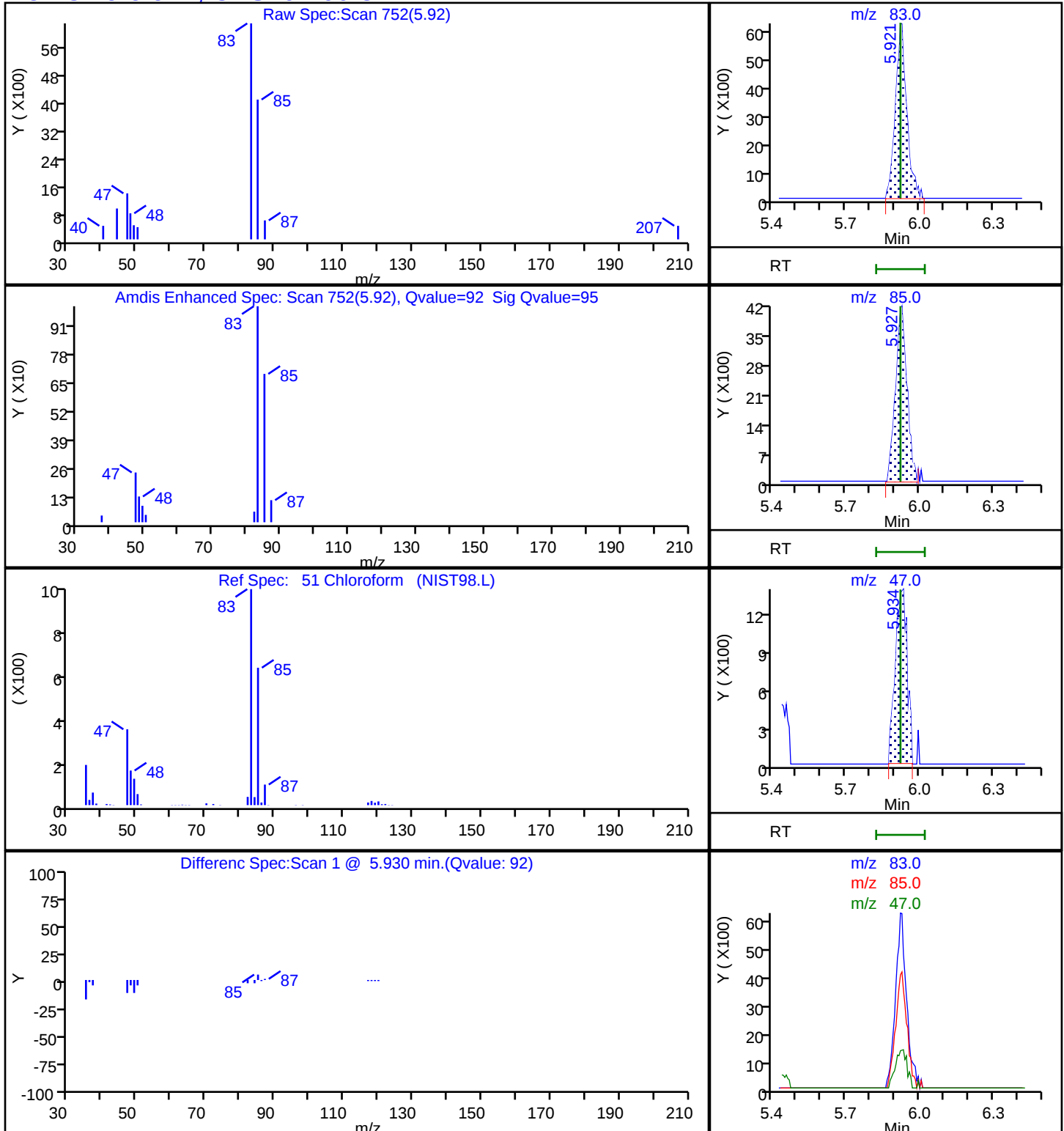
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

51 Chloroform, CAS: 67-66-3

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X21.D

Injection Date: 26-Dec-2024 16:51:30

Instrument ID: 16334

Lims ID: 410-201498-A-10

Lab Sample ID: 410-201498-10

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

Operator ID: ecr105096

ALS Bottle#: 21

Worklist Smp#: 22

Purge Vol: 25.000 mL

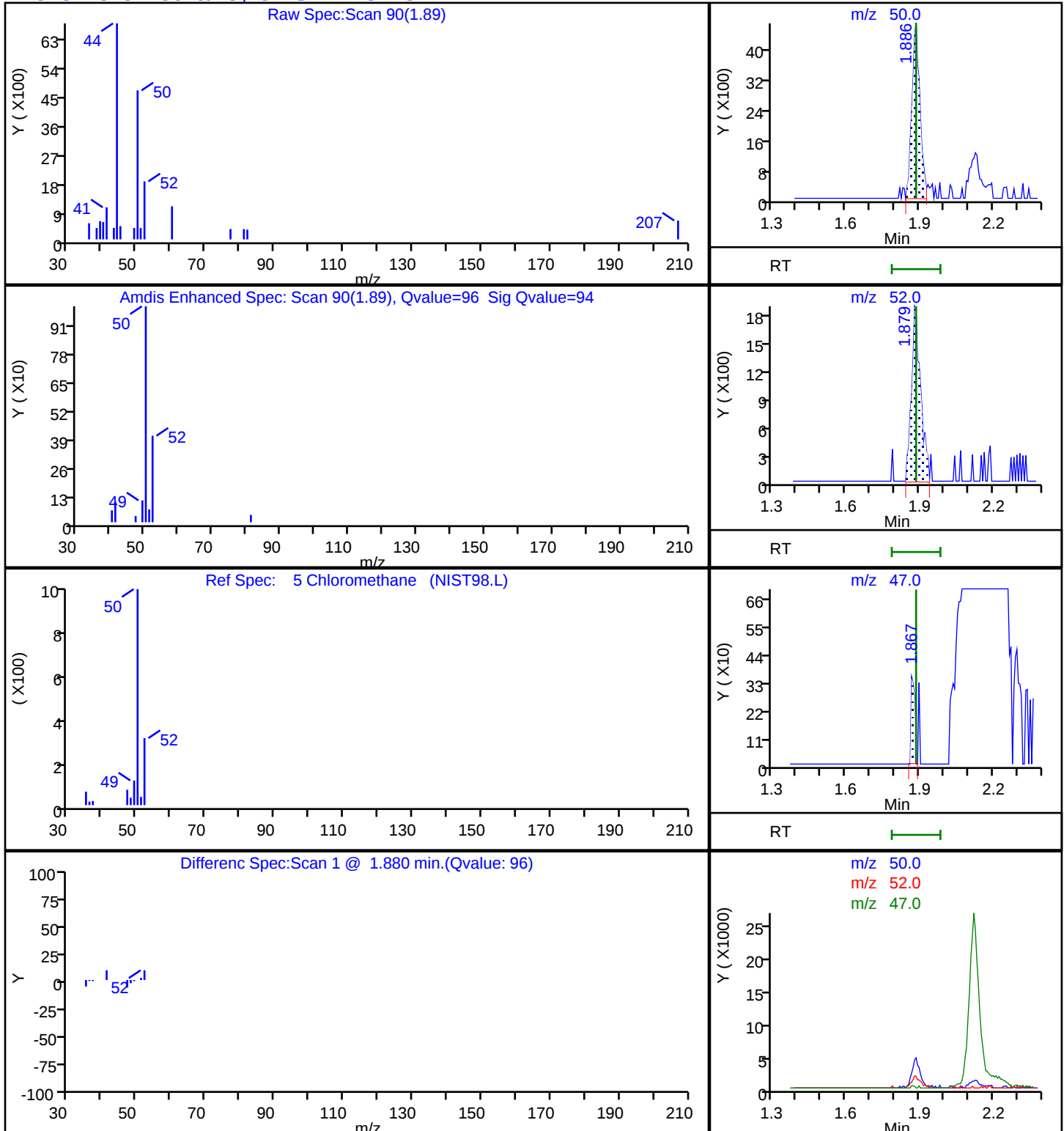
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

5 Chloromethane, CAS: 74-87-3

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X21.D

Injection Date: 26-Dec-2024 16:51:30

Instrument ID: 16334

Lims ID: 410-201498-A-10

Lab Sample ID: 410-201498-10

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

Operator ID: ecr105096

ALS Bottle#: 21

Worklist Smp#: 22

Purge Vol: 25.000 mL

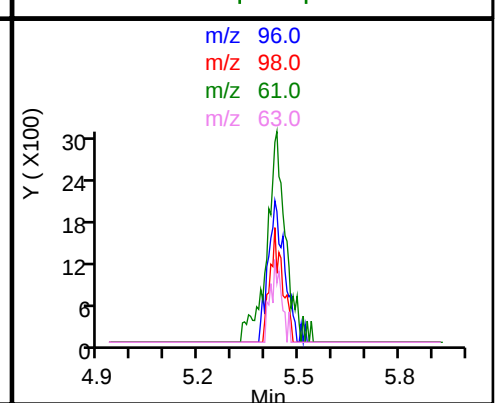
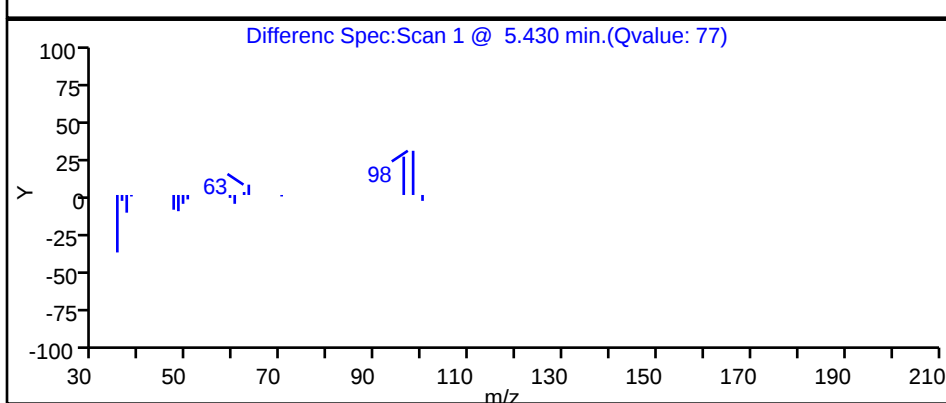
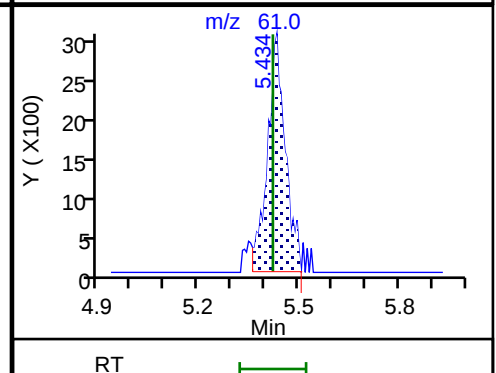
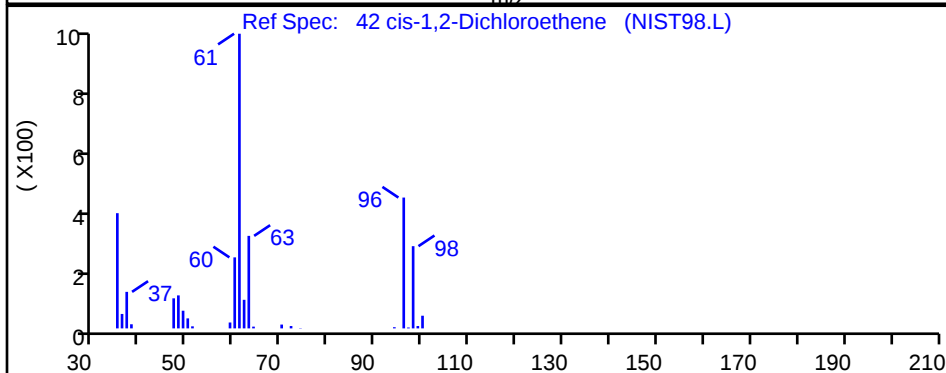
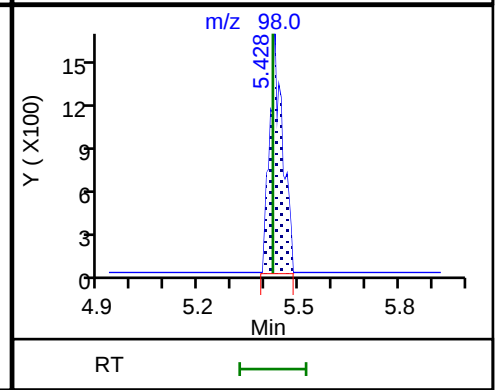
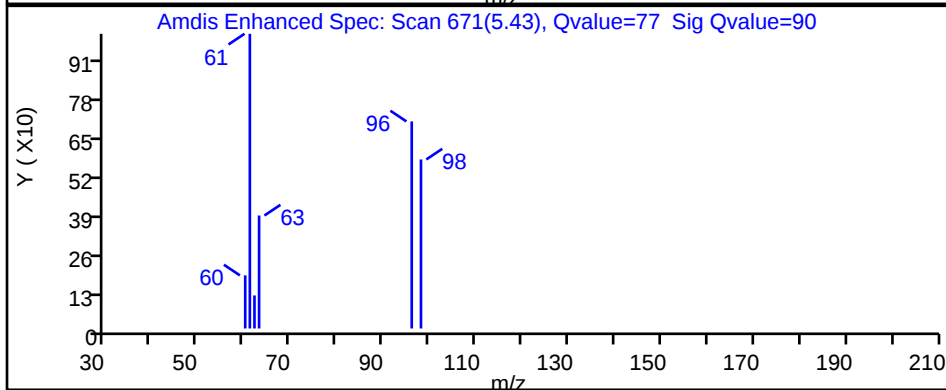
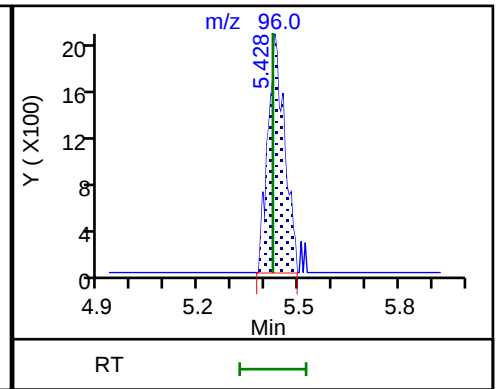
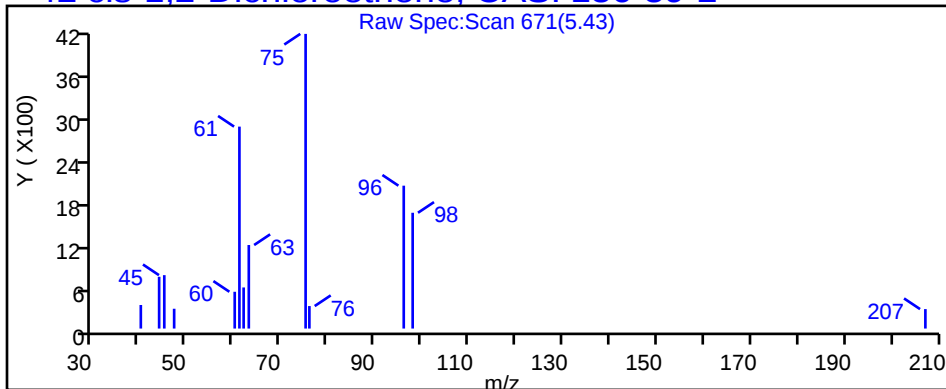
Dil. Factor: 1.0000

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\20241226-134250.b\GD26X21.D

Injection Date: 26-Dec-2024 16:51:30

Instrument ID: 16334

Lims ID: 410-201498-A-10

Lab Sample ID: 410-201498-10

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

Operator ID: ecr105096

ALS Bottle#: 21

Worklist Smp#: 22

Purge Vol: 25.000 mL

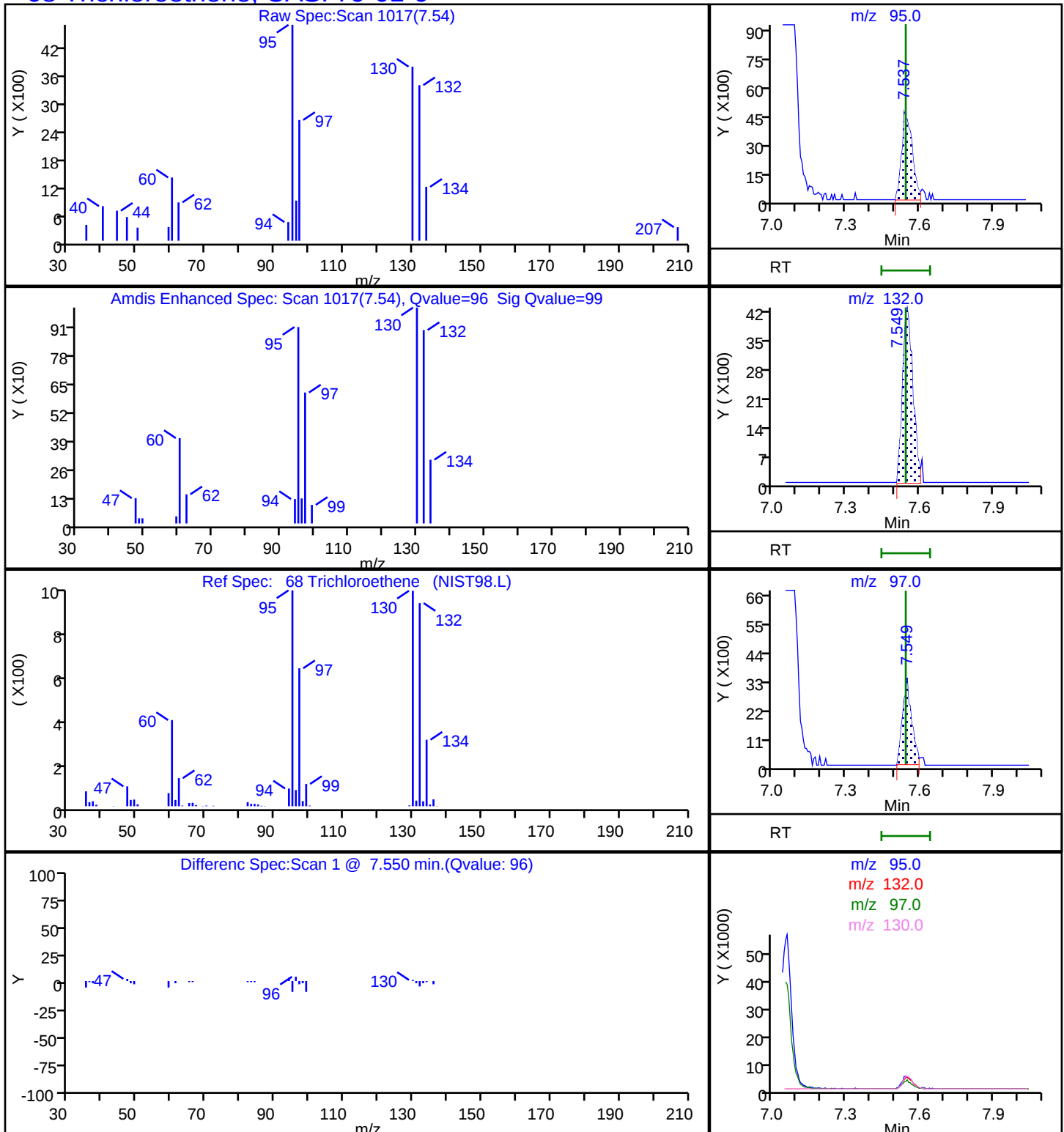
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

68 Trichloroethene, CAS: 79-01-6

Eurofins Lancaster Laboratories Environment Testing, LLC

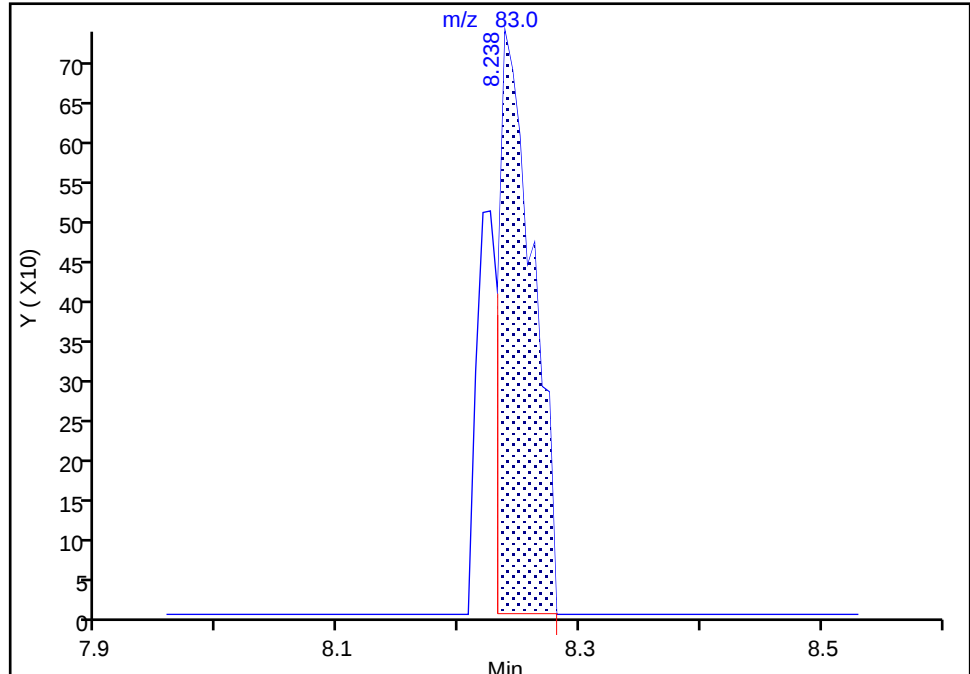
Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X21.D
Injection Date: 26-Dec-2024 16:51:30 Instrument ID: 16334
Lims ID: 410-201498-A-10 Lab Sample ID: 410-201498-10
Client ID: HD-COD-SW-27-0/1-0
Operator ID: ecr105096 ALS Bottle#: 21 Worklist Smp#: 22
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

76 Dichlorobromomethane, CAS: 75-27-4

Signal: 1

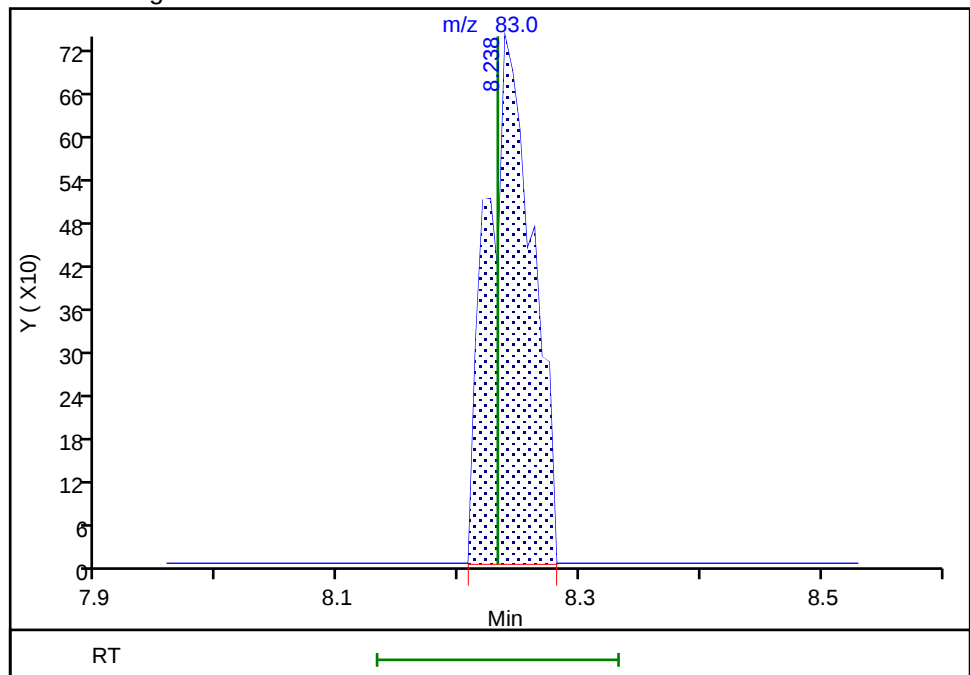
RT: 8.24
Area: 1435
Amount: 0.026236
Amount Units: ug/l

Processing Integration Results



RT: 8.24
Area: 1921
Amount: 0.035122
Amount Units: ug/l

Manual Integration Results



Reviewer: FQ4L, 27-Dec-2024 09:46:37 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.: 410-201498-1

SDG No.:

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

Lab Sample ID: 410-201498-11

Matrix: Water

Lab File ID: GD26X22.D

Analysis Method: 8260D

Date Collected: 12/18/2024 12:30

Sample wt/vol: 25 (mL)

Date Analyzed: 12/26/2024 17:13

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.: 589906

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	2.3	J	5.0	1.5
71-43-2	Benzene	ND		0.50	0.10
74-97-5	Bromochloromethane	ND		0.50	0.080
75-27-4	Bromodichloromethane	ND		0.50	0.080
75-25-2	Bromoform	ND		1.0	0.30
74-83-9	Bromomethane	ND		0.50	0.10
75-15-0	Carbon disulfide	ND		1.0	0.10
56-23-5	Carbon tetrachloride	ND		0.50	0.10
108-90-7	Chlorobenzene	ND		0.50	0.070
75-00-3	Chloroethane	ND		0.50	0.10
67-66-3	Chloroform	0.16	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	0.32	J	0.50	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-201498-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: HD-COD-SW-28-0/1-0 Lab Sample ID: 410-201498-11

Matrix: Water Lab File ID: GD26X22.D

Analysis Method: 8260D Date Collected: 12/18/2024 12:30

Sample wt/vol: 25 (mL) Date Analyzed: 12/26/2024 17:13

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.: 589906 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	0.23	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)	106		80-120
460-00-4	4-Bromofluorobenzene (Surr)	90		80-120
1868-53-7	Dibromofluoromethane (Surr)	107		80-120
2037-26-5	Toluene-d8 (Surr)	96		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X22.D
 Lims ID: 410-201498-A-11
 Client ID: HD-COD-SW-28-0/1-0
 Sample Type: Client
 Inject. Date: 26-Dec-2024 17:13:30 ALS Bottle#: 22 Worklist Smp#: 23
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0134250-023
 Operator ID: ecr105096 Instrument ID: 16334
 Method: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\MSV_16334_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 27-Dec-2024 09:47:23 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: CTX1647

First Level Reviewer: FQ4L

Date: 27-Dec-2024 09:47:23

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50	1.885	1.886	-0.001	92	5336	0.0838	
6 Vinyl chloride	62		1.989				ND	
9 Bromomethane	94		2.282				ND	7
10 Chloroethane	64		2.312				ND	
18 1,1-Dichloroethene	96		3.026				ND	
19 Acetone	43	3.092	3.056	0.036	66	8874	2.31	
24 Carbon disulfide	76		3.282				ND	7
29 Methylene Chloride	84		3.587				ND	
* 30 t-Butyl alcohol-d10 (IS)	65	3.611	3.617	-0.006	22	67081	50.0	
33 Methyl tert-butyl ether	73		3.934				ND	
34 trans-1,2-Dichloroethene	96		3.934				ND	
37 1,1-Dichloroethane	63		4.562				ND	
41 2-Butanone (MEK)	43		5.397				ND	
42 cis-1,2-Dichloroethene	96	5.415	5.422	-0.007	82	7245	0.1505	a
49 Chlorobromomethane	128		5.757				ND	
51 Chloroform	83	5.921	5.921	0.000	90	12563	0.1606	
\$ 52 Dibromofluoromethane (Surr)	113	6.141	6.141	0.000	93	417191	10.7	
53 1,1,1-Trichloroethane	97		6.147				ND	
55 Carbon tetrachloride	117		6.360				ND	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.598	6.598	0.000	66	78975	10.6	
60 Benzene	78		6.629				ND	7
61 1,2-Dichloroethane	62		6.702				ND	
* 64 Fluorobenzene (IS)	96	7.049	7.049	0.000	99	1660019	10.0	
68 Trichloroethene	95	7.549	7.543	0.006	97	10938	0.2310	
70 1,2-Dichloropropane	63		7.872				ND	
76 Dichlorobromomethane	83		8.232				ND	7
81 cis-1,3-Dichloropropene	75		8.805				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.012				ND	
\$ 83 Toluene-d8 (Surr)	98	9.140	9.140	0.000	94	1666314	9.64	
84 Toluene	92	9.232	9.226	0.006	96	8043	0.0670	
85 trans-1,3-Dichloropropene	75		9.524				ND	
107 1,1,2-Trichloroethane	97		9.744				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
108 Tetrachloroethene	166	9.835	9.829	0.006	94	17111	0.3160	
110 2-Hexanone	43		9.988				ND	
112 Chlorodibromomethane	129		10.140				ND	
113 Ethylene Dibromide	107		10.250				ND	
* 114 Chlorobenzene-d5 (IS)	117	10.707	10.707	0.000	86	1245211	10.0	
116 Chlorobenzene	112		10.738				ND	
117 1,1,1,2-Tetrachloroethane	131		10.823				ND	
118 Ethylbenzene	91		10.835				ND	7
120 m-Xylene & p-Xylene	106	10.957	10.951	0.006	96	4015	0.0446	
S 119 Xylenes, Total	106		11.245				ND	7
121 o-Xylene	106		11.292				ND	7
122 Styrene	104		11.311				ND	
123 Bromoform	173		11.463				ND	
\$ 127 4-Bromofluorobenzene (Surr)	95	11.743	11.743	0.000	90	539083	9.03	
128 1,1,2,2-Tetrachloroethane	83		11.859				ND	
* 142 1,4-Dichlorobenzene-d4	152	12.633	12.640	-0.007	95	636999	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

a - User Assigned ID

Reagents:

MSV_29_826ISS_00058

Amount Added: 1.20

Units: uL

Run Reagent

Report Date: 27-Dec-2024 09:47:23

Chrom Revision: 2.3 17-Dec-2024 12:44:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X22.D

Injection Date: 26-Dec-2024 17:13:30

Instrument ID: 16334

Operator ID: ecr105096

Lims ID: 410-201498-A-11

Lab Sample ID: 410-201498-11

Worklist Smp#: 23

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

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

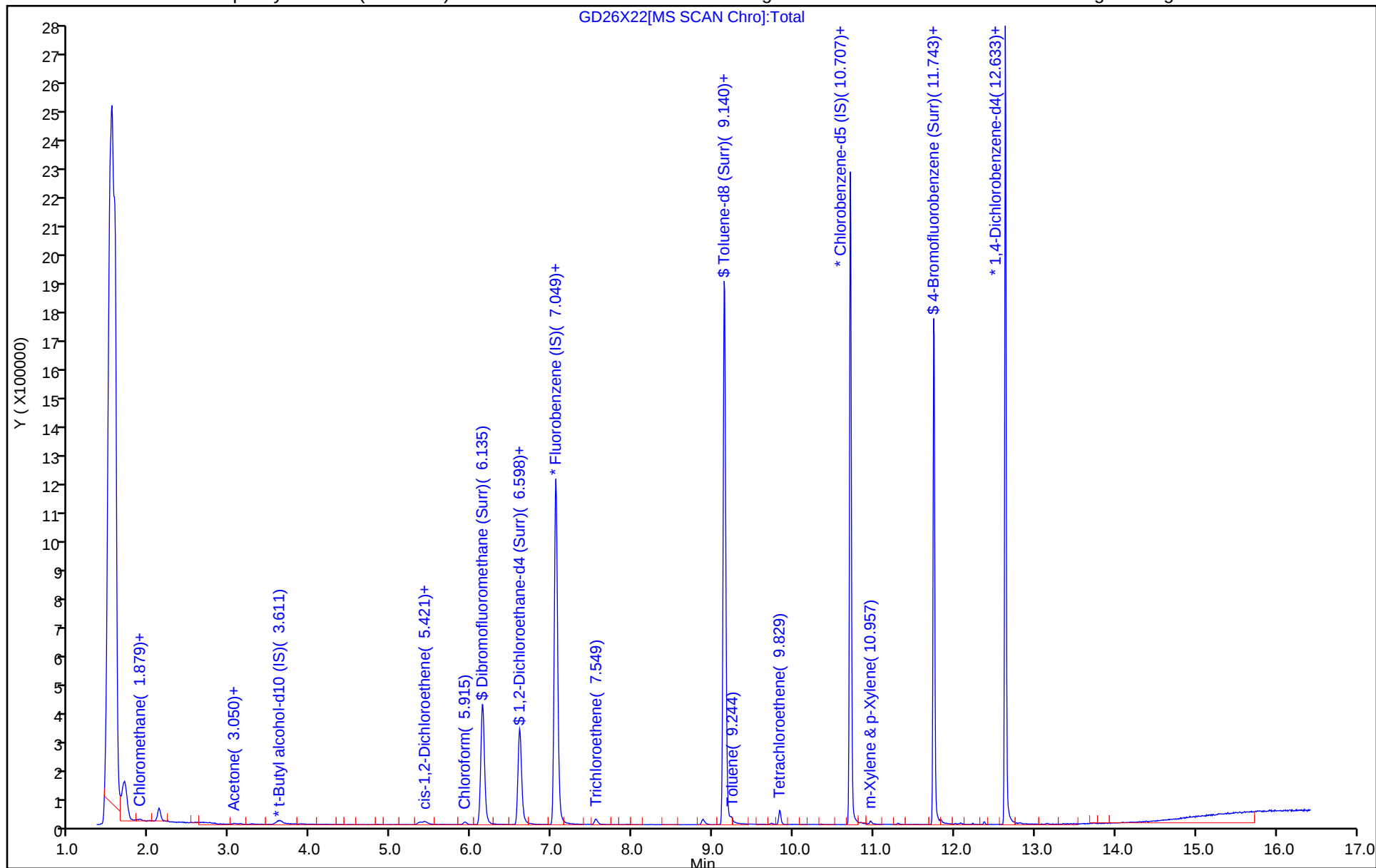
ALS Bottle#: 22

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

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



Eurofins Lancaster Laboratories Environment Testing, LLC
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X22.D
Lims ID: 410-201498-A-11
Client ID: HD-COD-SW-28-0/1-0
Sample Type: Client
Inject. Date: 26-Dec-2024 17:13:30 ALS Bottle#: 22 Worklist Smp#: 23
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0134250-023
Operator ID: ecr105096 Instrument ID: 16334
Method: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 27-Dec-2024 09:47:23 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: CTX1647

First Level Reviewer: FQ4L

Date: 27-Dec-2024 09:47:23

Compound	Amount Added	Amount Recovered	% Rec.
\$ 52 Dibromofluoromethane (Surr)	10.0	10.7	106.52
\$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.6	105.70
\$ 83 Toluene-d8 (Surr)	10.0	9.64	96.41
\$ 127 4-Bromofluorobenzene (Surr)	10.0	9.03	90.32

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X22.D

Injection Date: 26-Dec-2024 17:13:30

Instrument ID: 16334

Lims ID: 410-201498-A-11

Lab Sample ID: 410-201498-11

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

Operator ID: ecr105096

ALS Bottle#: 22

Worklist Smp#: 23

Purge Vol: 25.000 mL

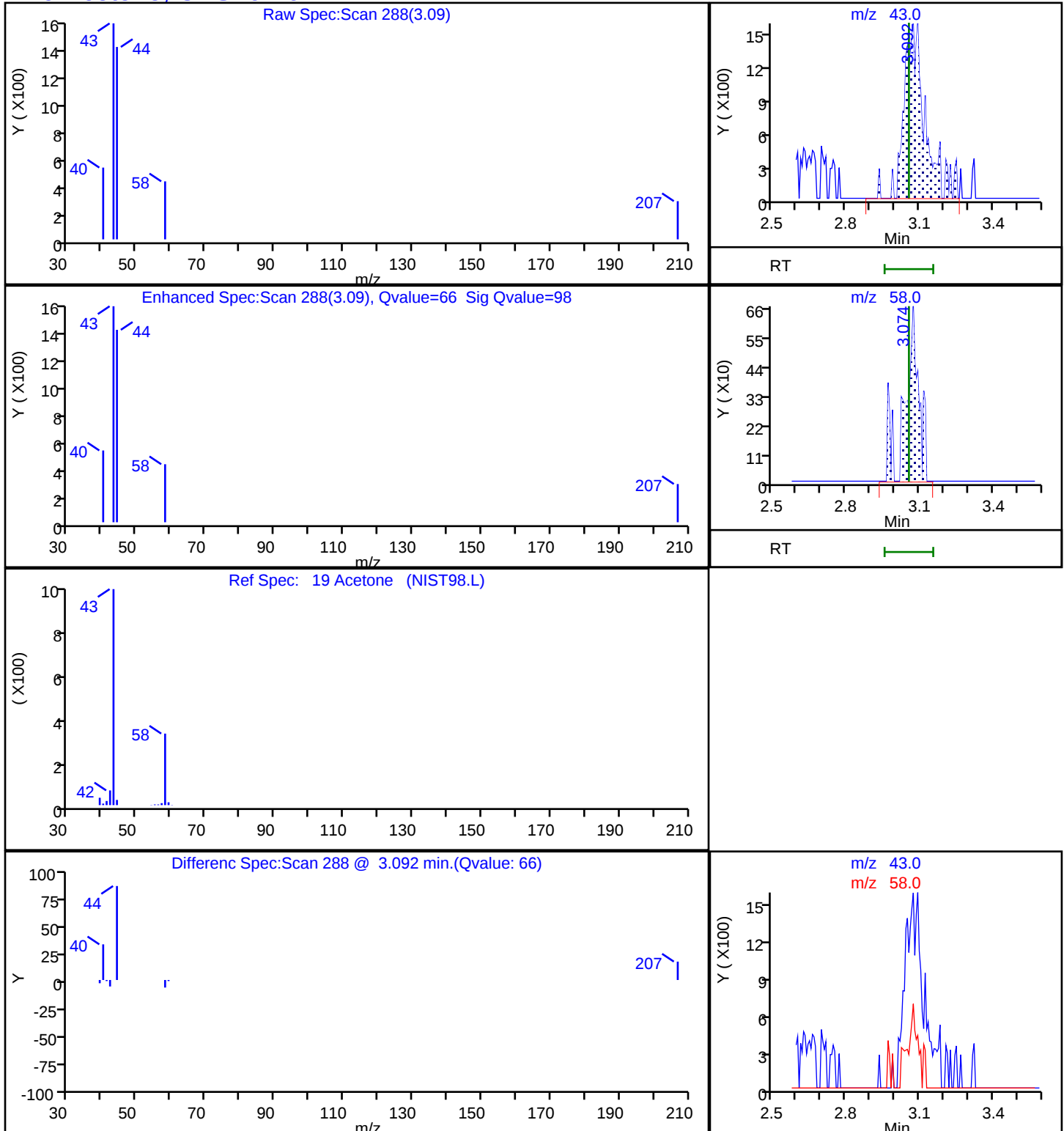
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

19 Acetone, CAS: 67-64-1

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X22.D

Injection Date: 26-Dec-2024 17:13:30

Instrument ID: 16334

Lims ID: 410-201498-A-11

Lab Sample ID: 410-201498-11

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

Operator ID: ecr105096

ALS Bottle#: 22

Worklist Smp#: 23

Purge Vol: 25.000 mL

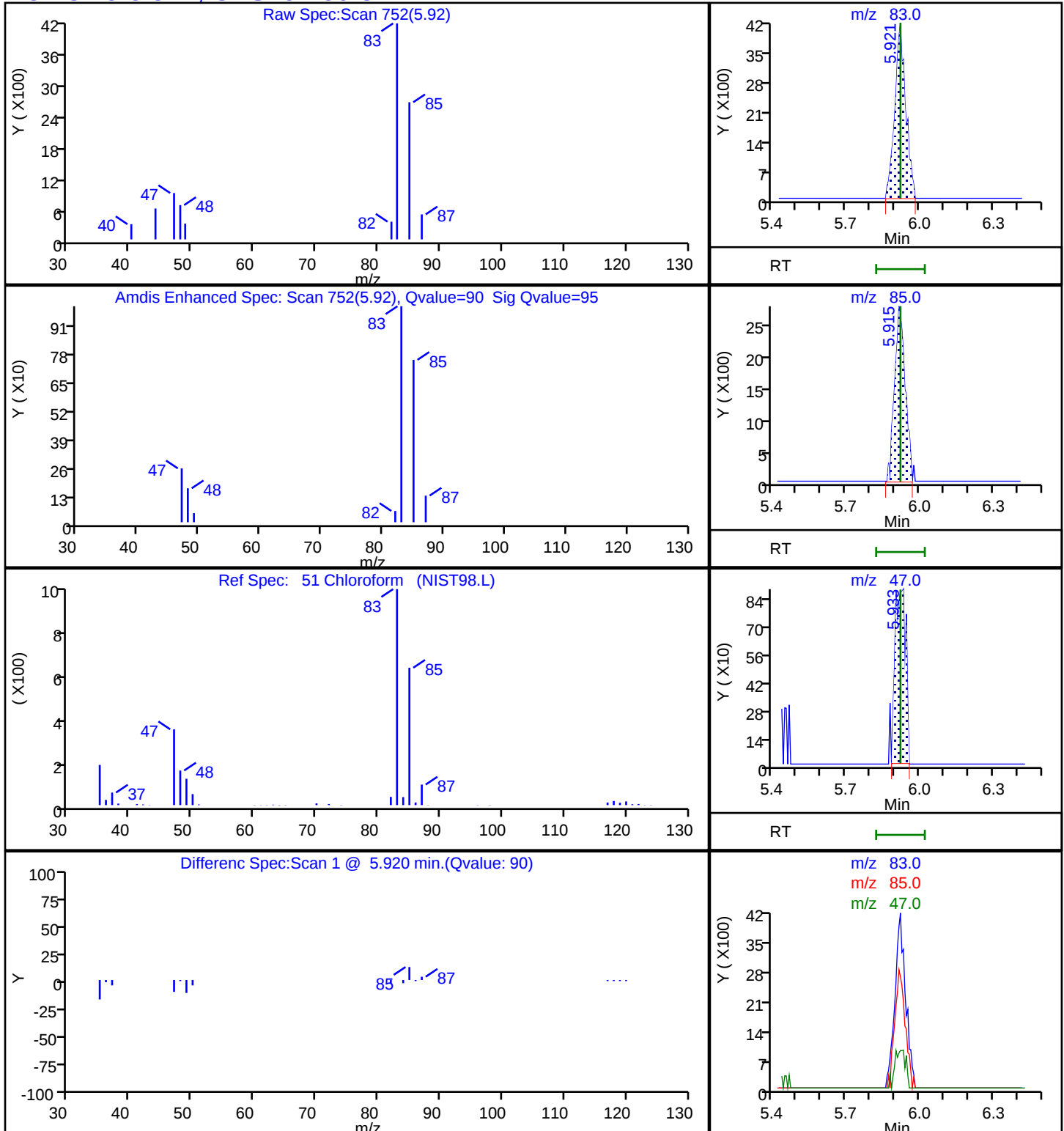
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

51 Chloroform, CAS: 67-66-3

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X22.D

Injection Date: 26-Dec-2024 17:13:30

Instrument ID: 16334

Lims ID: 410-201498-A-11

Lab Sample ID: 410-201498-11

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

Operator ID: ecr105096

ALS Bottle#: 22

Worklist Smp#: 23

Purge Vol: 25.000 mL

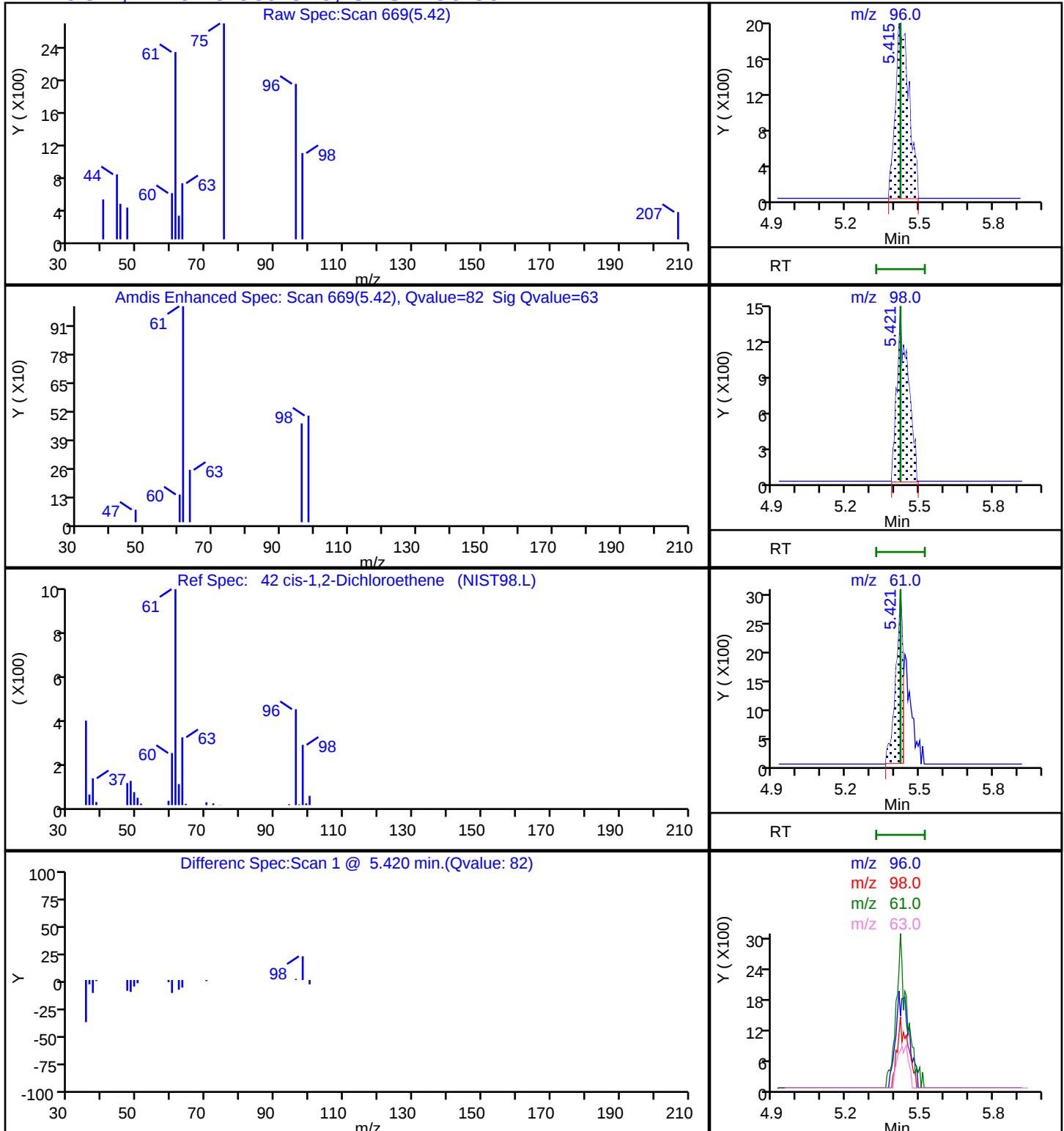
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

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

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X22.D

Injection Date: 26-Dec-2024 17:13:30

Instrument ID: 16334

Lims ID: 410-201498-A-11

Lab Sample ID: 410-201498-11

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

Operator ID: ecr105096

ALS Bottle#: 22

Worklist Smp#: 23

Purge Vol: 25.000 mL

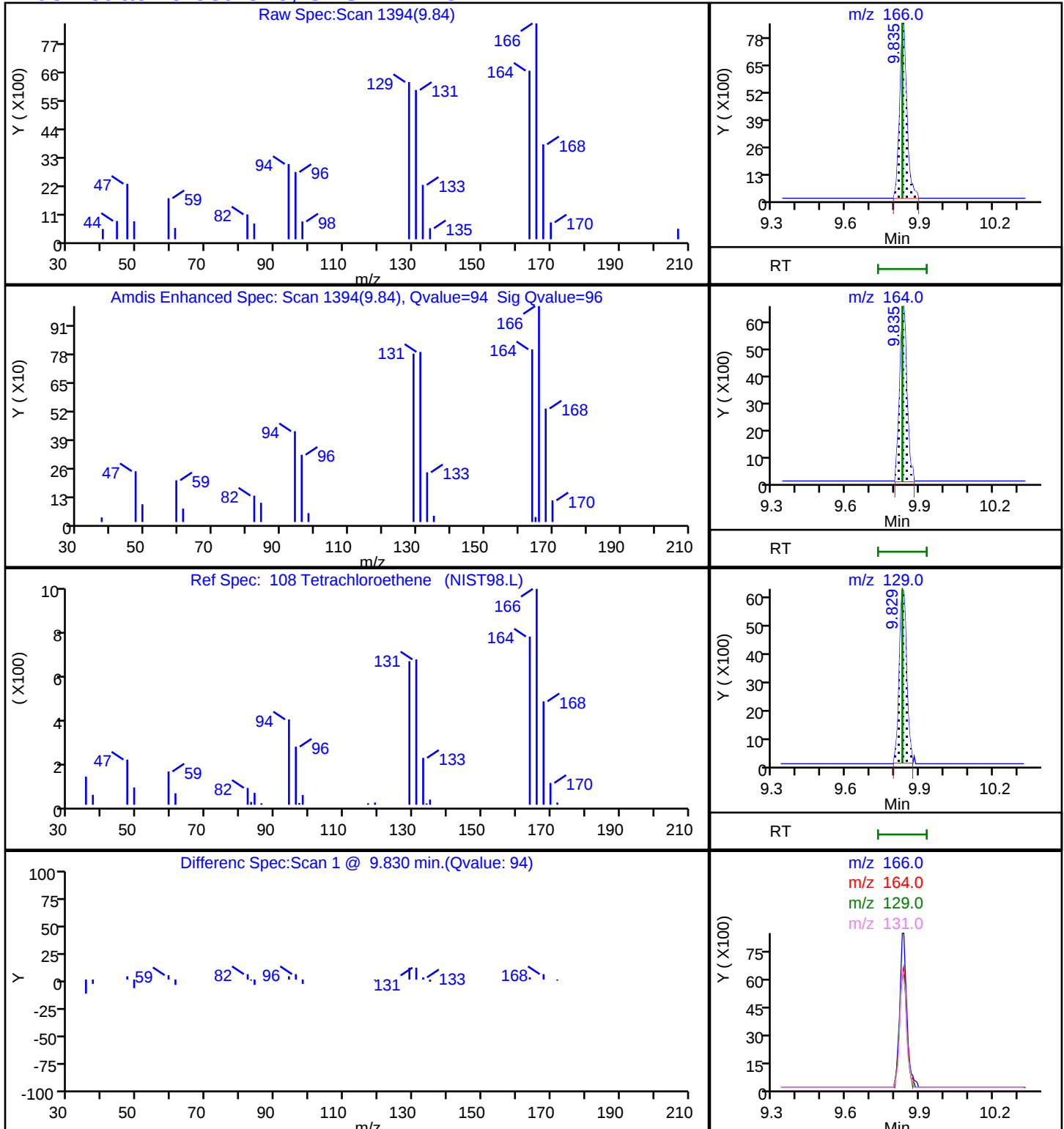
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

108 Tetrachloroethene, CAS: 127-18-4

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X22.D

Injection Date: 26-Dec-2024 17:13:30

Instrument ID: 16334

Lims ID: 410-201498-A-11

Lab Sample ID: 410-201498-11

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

Operator ID: ecr105096

ALS Bottle#: 22

Worklist Smp#: 23

Purge Vol: 25.000 mL

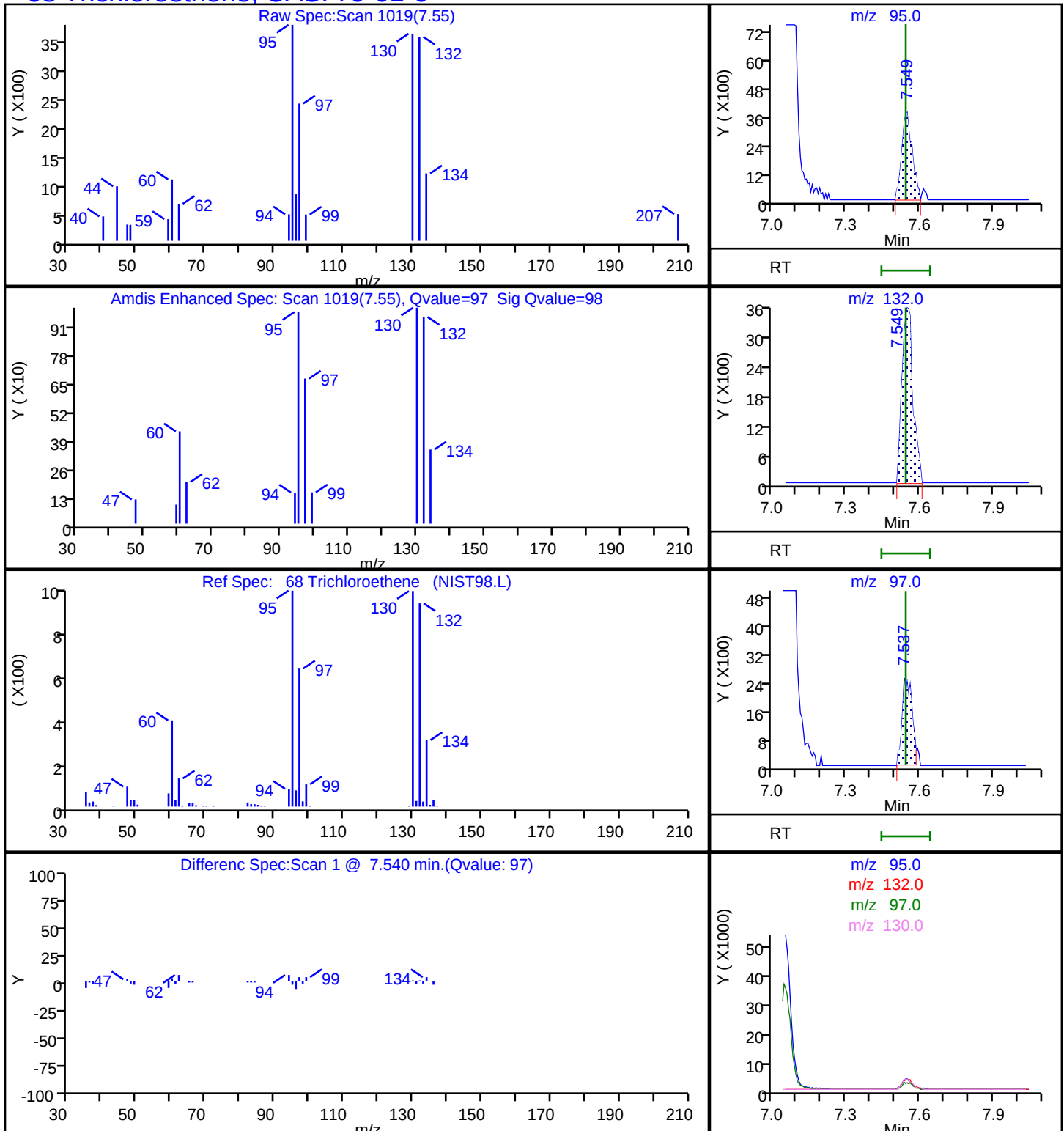
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

68 Trichloroethene, CAS: 79-01-6

Eurofins Lancaster Laboratories Environment Testing, LLC

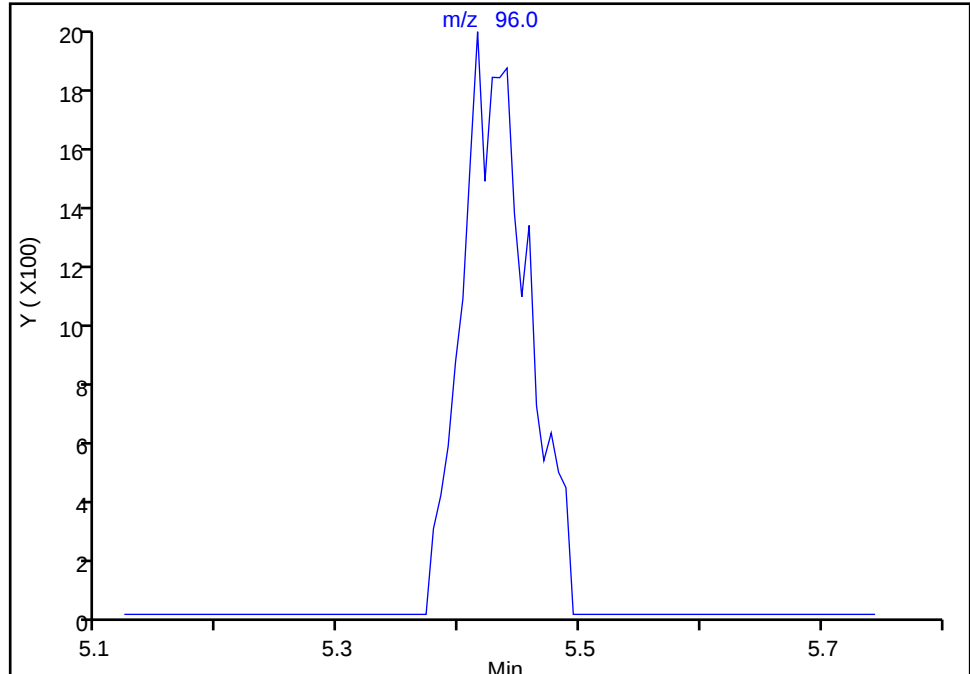
Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X22.D
Injection Date: 26-Dec-2024 17:13:30 Instrument ID: 16334
Lims ID: 410-201498-A-11 Lab Sample ID: 410-201498-11
Client ID: HD-COD-SW-28-0/1-0
Operator ID: ecr105096 ALS Bottle#: 22 Worklist Smp#: 23
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) MS Quad

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

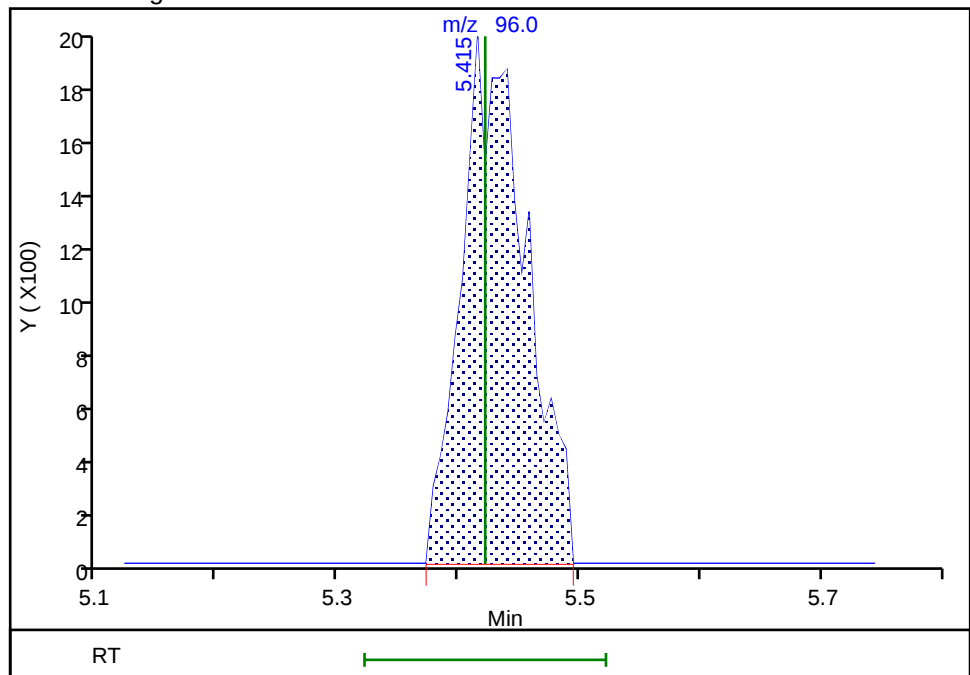
Signal: 1

Not Detected
Expected RT: 5.42

Processing Integration Results



Manual Integration Results



RT: 5.42
Area: 7245
Amount: 0.150528
Amount Units: ug/l

Reviewer: FQ4L, 27-Dec-2024 09:47:06 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.: 410-201498-1

SDG No.:

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

Lab Sample ID: 410-201498-12

Matrix: Water

Lab File ID: GD26X23.D

Analysis Method: 8260D

Date Collected: 12/18/2024 08:40

Sample wt/vol: 25 (mL)

Date Analyzed: 12/26/2024 17:35

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 589906

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	1.7	J	5.0	1.5
71-43-2	Benzene	ND		0.50	0.10
74-97-5	Bromochloromethane	ND		0.50	0.080
75-27-4	Bromodichloromethane	ND		0.50	0.080
75-25-2	Bromoform	ND		1.0	0.30
74-83-9	Bromomethane	ND		0.50	0.10
75-15-0	Carbon disulfide	ND		1.0	0.10
56-23-5	Carbon tetrachloride	ND		0.50	0.10
108-90-7	Chlorobenzene	ND		0.50	0.070
75-00-3	Chloroethane	ND		0.50	0.10
67-66-3	Chloroform	0.094	J	0.50	0.090
74-87-3	Chloromethane	0.15	J	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	0.81		0.50	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-201498-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: HD-COD-SW-29-0/1-0 Lab Sample ID: 410-201498-12

Matrix: Water Lab File ID: GD26X23.D

Analysis Method: 8260D Date Collected: 12/18/2024 08:40

Sample wt/vol: 25 (mL) Date Analyzed: 12/26/2024 17:35

Soil Aliquot Vol: _____ Dilution Factor: 1

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

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

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

Analysis Batch No.: 589906 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	0.27	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)	92		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\16334\20241226-134250.b\GD26X23.D
 Lims ID: 410-201498-A-12
 Client ID: HD-COD-SW-29-0/1-0
 Sample Type: Client
 Inject. Date: 26-Dec-2024 17:35:30 ALS Bottle#: 23 Worklist Smp#: 24
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0134250-024
 Operator ID: ecr105096 Instrument ID: 16334
 Method: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\MSV_16334_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 27-Dec-2024 09:47:50 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: CTX1647

First Level Reviewer: FQ4L

Date: 27-Dec-2024 09:47:50

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50	1.886	1.886	0.000	99	10050	0.1455	
6 Vinyl chloride	62		1.989				ND	7
9 Bromomethane	94		2.282				ND	
10 Chloroethane	64		2.312				ND	
18 1,1-Dichloroethene	96		3.026				ND	7
19 Acetone	43	3.081	3.056	0.025	90	6903	1.74	
24 Carbon disulfide	76		3.282				ND	7
29 Methylene Chloride	84		3.587				ND	
* 30 t-Butyl alcohol-d10 (IS)	65	3.635	3.617	0.018	21	69236	50.0	
33 Methyl tert-butyl ether	73		3.934				ND	
34 trans-1,2-Dichloroethene	96		3.934				ND	
37 1,1-Dichloroethane	63		4.562				ND	
41 2-Butanone (MEK)	43		5.397				ND	
42 cis-1,2-Dichloroethene	96	5.434	5.422	0.012	80	7797	0.1494	
49 Chlorobromomethane	128		5.757				ND	
51 Chloroform	83	5.928	5.921	0.007	93	7962	0.0939	
\$ 52 Dibromofluoromethane (Surr)	113	6.141	6.141	0.000	93	444283	10.5	
53 1,1,1-Trichloroethane	97		6.147				ND	U
55 Carbon tetrachloride	117		6.360				ND	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.598	6.598	0.000	66	82289	10.2	
60 Benzene	78		6.629				ND	7
61 1,2-Dichloroethane	62		6.702				ND	
* 64 Fluorobenzene (IS)	96	7.049	7.049	0.000	99	1799859	10.0	
68 Trichloroethene	95	7.549	7.543	0.006	95	14100	0.2746	
70 1,2-Dichloropropane	63		7.872				ND	
76 Dichlorobromomethane	83		8.232				ND	7
81 cis-1,3-Dichloropropene	75		8.805				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.012				ND	
\$ 83 Toluene-d8 (Surr)	98	9.146	9.140	0.006	94	1788015	9.77	
84 Toluene	92	9.226	9.226	0.000	87	6959	0.0548	
85 trans-1,3-Dichloropropene	75		9.524				ND	
107 1,1,2-Trichloroethane	97		9.744				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
108 Tetrachloroethene	166	9.829	9.829	0.000	96	46365	0.8087	
110 2-Hexanone	43		9.988				ND	
112 Chlorodibromomethane	129		10.140				ND	
113 Ethylene Dibromide	107		10.250				ND	
* 114 Chlorobenzene-d5 (IS)	117	10.707	10.707	0.000	86	1318490	10.0	
116 Chlorobenzene	112		10.738				ND	
117 1,1,1,2-Tetrachloroethane	131		10.823				ND	
118 Ethylbenzene	91		10.835				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		11.311				ND	
123 Bromoform	173		11.463				ND	
\$ 127 4-Bromofluorobenzene (Surr)	95	11.743	11.743	0.000	90	579644	9.17	
128 1,1,2,2-Tetrachloroethane	83		11.859				ND	
* 142 1,4-Dichlorobenzene-d4	152	12.634	12.640	-0.006	95	679529	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSV_29_826ISS_00058

Amount Added: 1.20

Units: uL

Run Reagent

Report Date: 27-Dec-2024 09:47:50

Chrom Revision: 2.3 17-Dec-2024 12:44:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X23.D

Injection Date: 26-Dec-2024 17:35:30

Instrument ID: 16334

Operator ID: ecr105096

Lims ID: 410-201498-A-12

Lab Sample ID: 410-201498-12

Worklist Smp#: 24

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

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

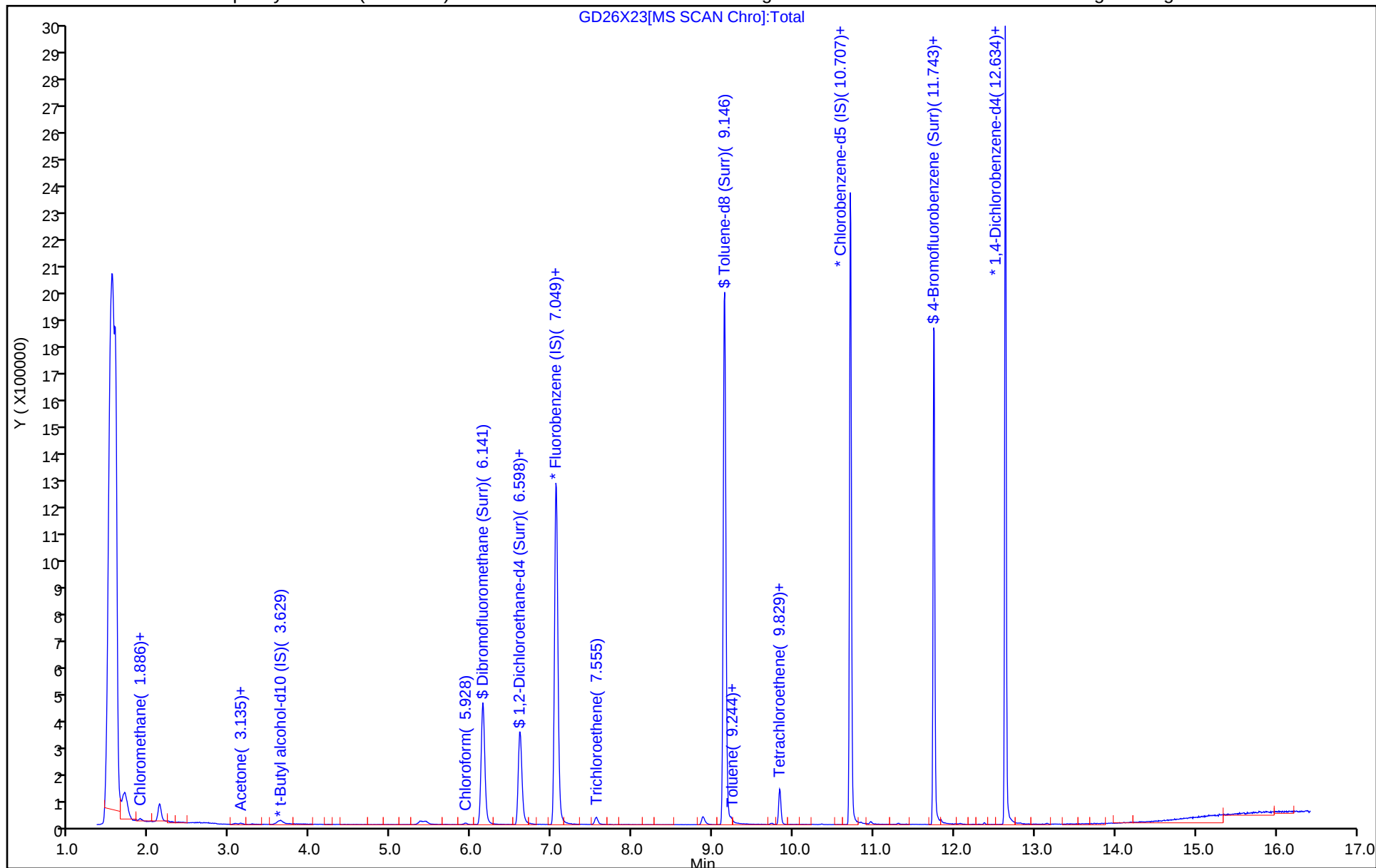
ALS Bottle#: 23

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\20241226-134250.b\GD26X23.D
Lims ID: 410-201498-A-12
Client ID: HD-COD-SW-29-0/1-0
Sample Type: Client
Inject. Date: 26-Dec-2024 17:35:30 ALS Bottle#: 23 Worklist Smp#: 24
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0134250-024
Operator ID: ecr105096 Instrument ID: 16334
Method: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 27-Dec-2024 09:47:50 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: CTX1647

First Level Reviewer: FQ4L

Date: 27-Dec-2024 09:47:50

Compound	Amount Added	Amount Recovered	% Rec.
\$ 52 Dibromofluoromethane (Surr)	10.0	10.5	104.62
\$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.2	101.57
\$ 83 Toluene-d8 (Surr)	10.0	9.77	97.70
\$ 127 4-Bromofluorobenzene (Surr)	10.0	9.17	91.72

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X23.D

Injection Date: 26-Dec-2024 17:35:30

Instrument ID: 16334

Lims ID: 410-201498-A-12

Lab Sample ID: 410-201498-12

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

Operator ID: ecr105096

ALS Bottle#: 23

Worklist Smp#: 24

Purge Vol: 25.000 mL

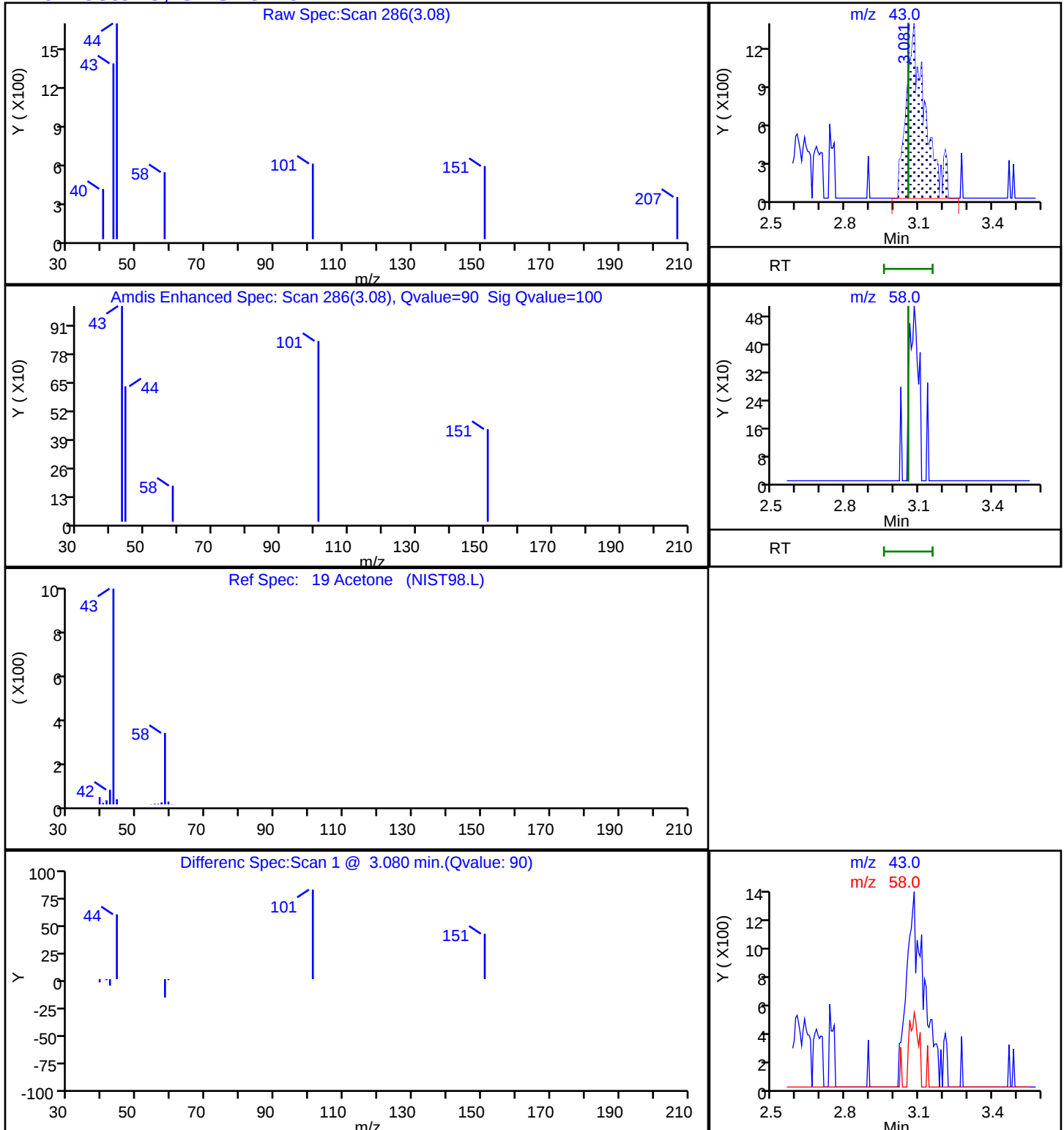
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

19 Acetone, CAS: 67-64-1

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X23.D

Injection Date: 26-Dec-2024 17:35:30

Instrument ID: 16334

Lims ID: 410-201498-A-12

Lab Sample ID: 410-201498-12

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

Operator ID: ecr105096

ALS Bottle#: 23

Worklist Smp#: 24

Purge Vol: 25.000 mL

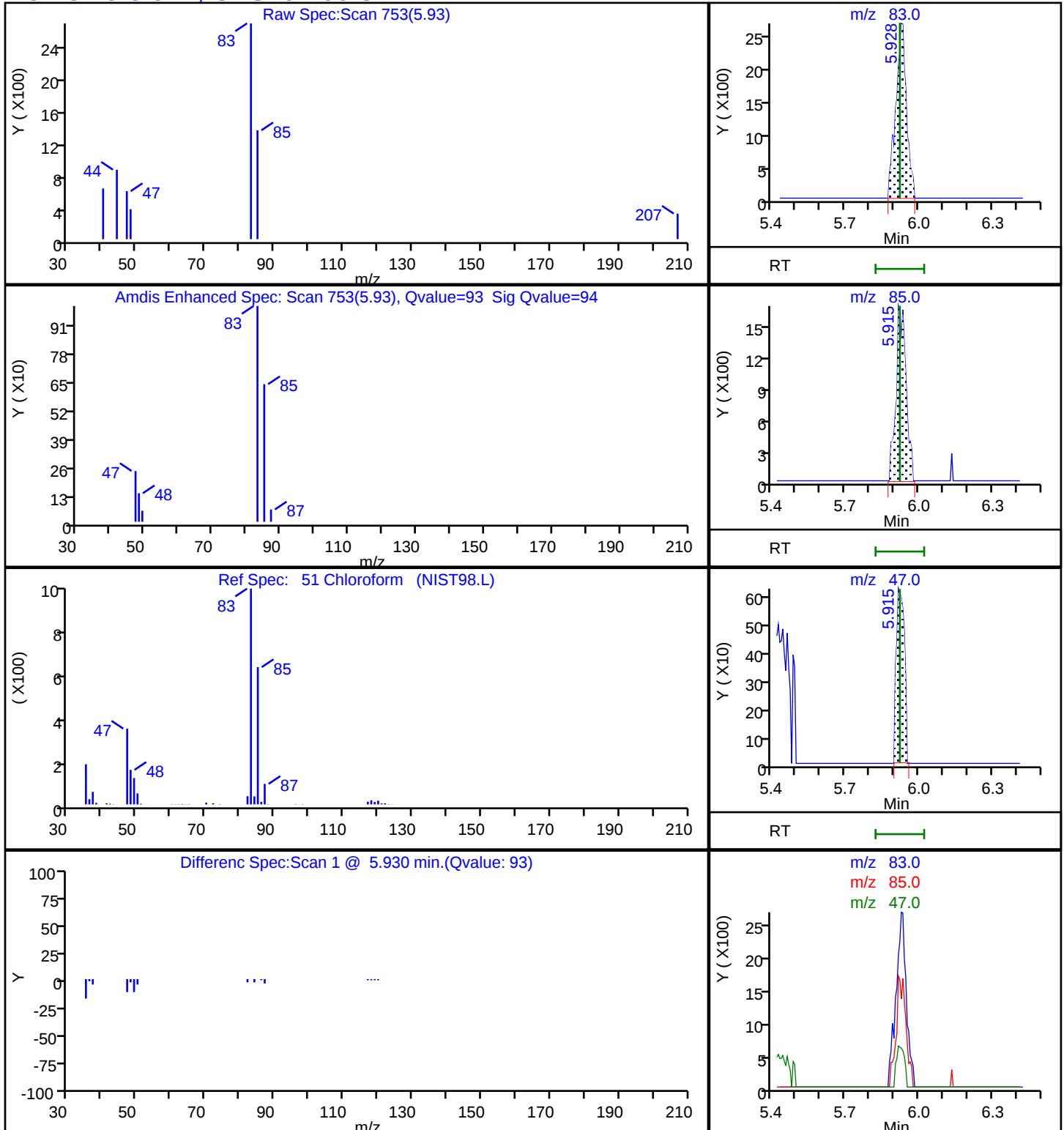
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

51 Chloroform, CAS: 67-66-3

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X23.D

Injection Date: 26-Dec-2024 17:35:30

Instrument ID: 16334

Lims ID: 410-201498-A-12

Lab Sample ID: 410-201498-12

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

Operator ID: ecr105096

ALS Bottle#: 23

Worklist Smp#: 24

Purge Vol: 25.000 mL

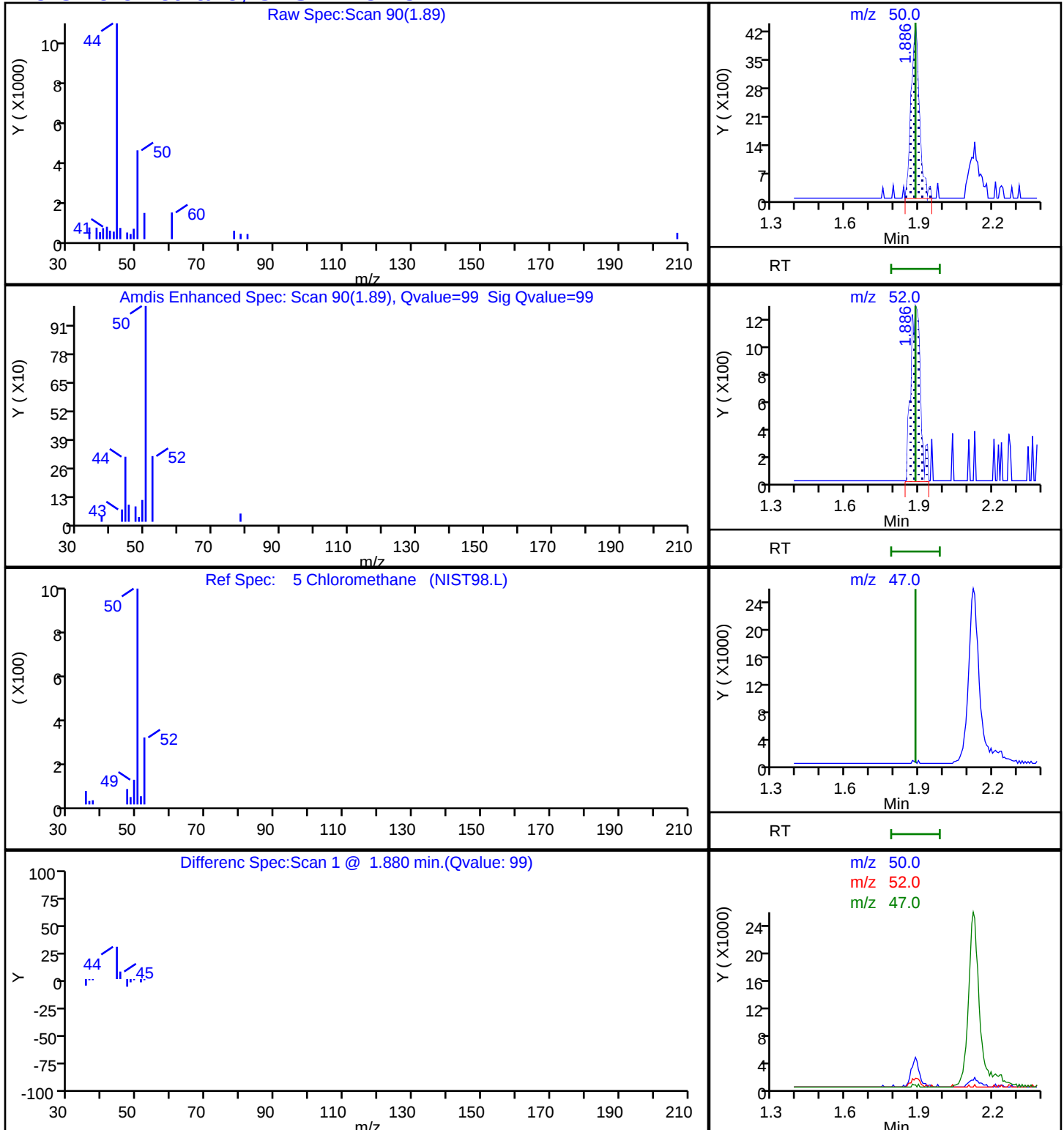
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

5 Chloromethane, CAS: 74-87-3

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X23.D

Injection Date: 26-Dec-2024 17:35:30

Instrument ID: 16334

Lims ID: 410-201498-A-12

Lab Sample ID: 410-201498-12

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

Operator ID: ecr105096

ALS Bottle#: 23

Worklist Smp#: 24

Purge Vol: 25.000 mL

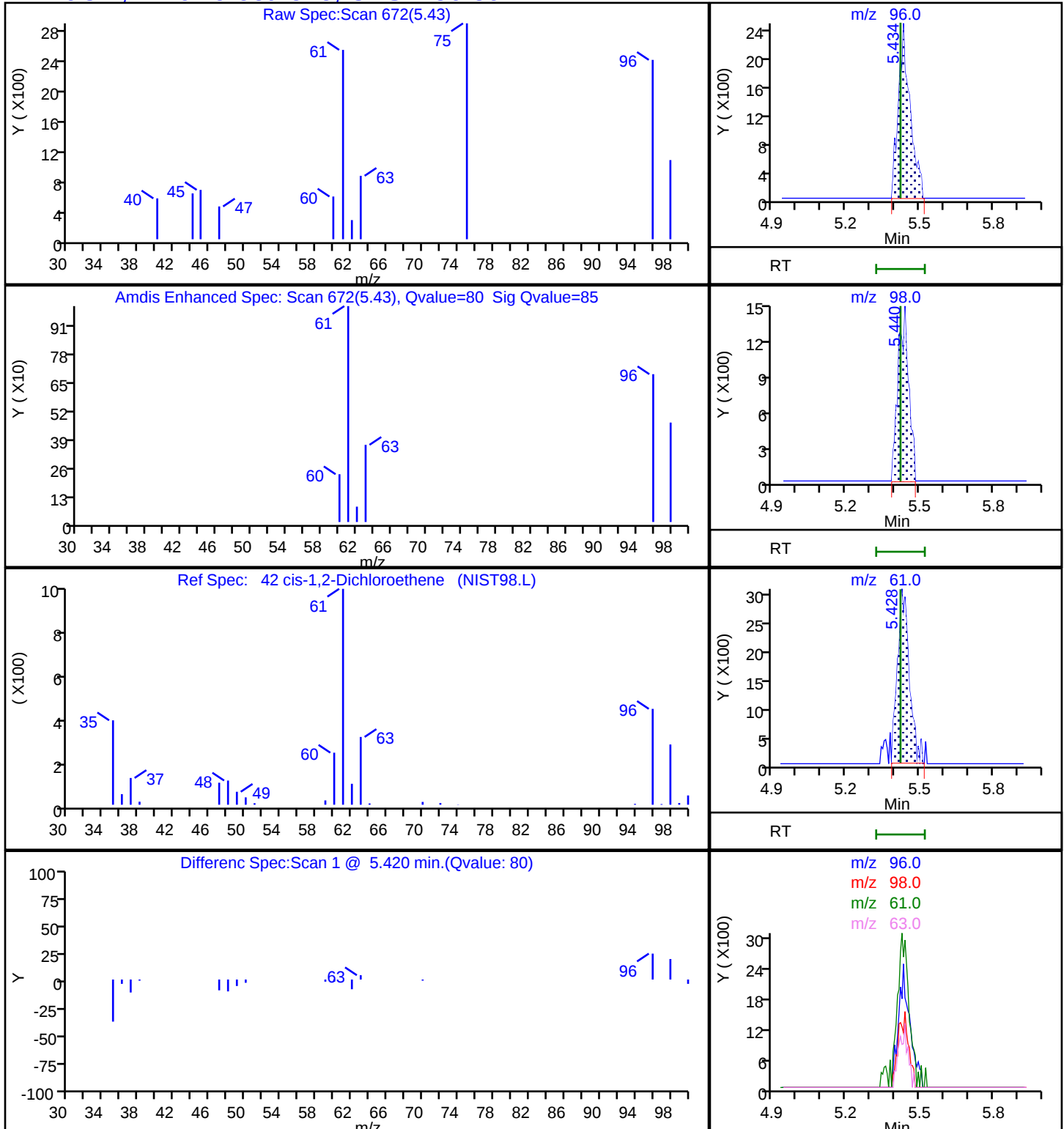
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

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

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X23.D

Injection Date: 26-Dec-2024 17:35:30

Instrument ID: 16334

Lims ID: 410-201498-A-12

Lab Sample ID: 410-201498-12

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

Operator ID: ecr105096

ALS Bottle#: 23

Worklist Smp#: 24

Purge Vol: 25.000 mL

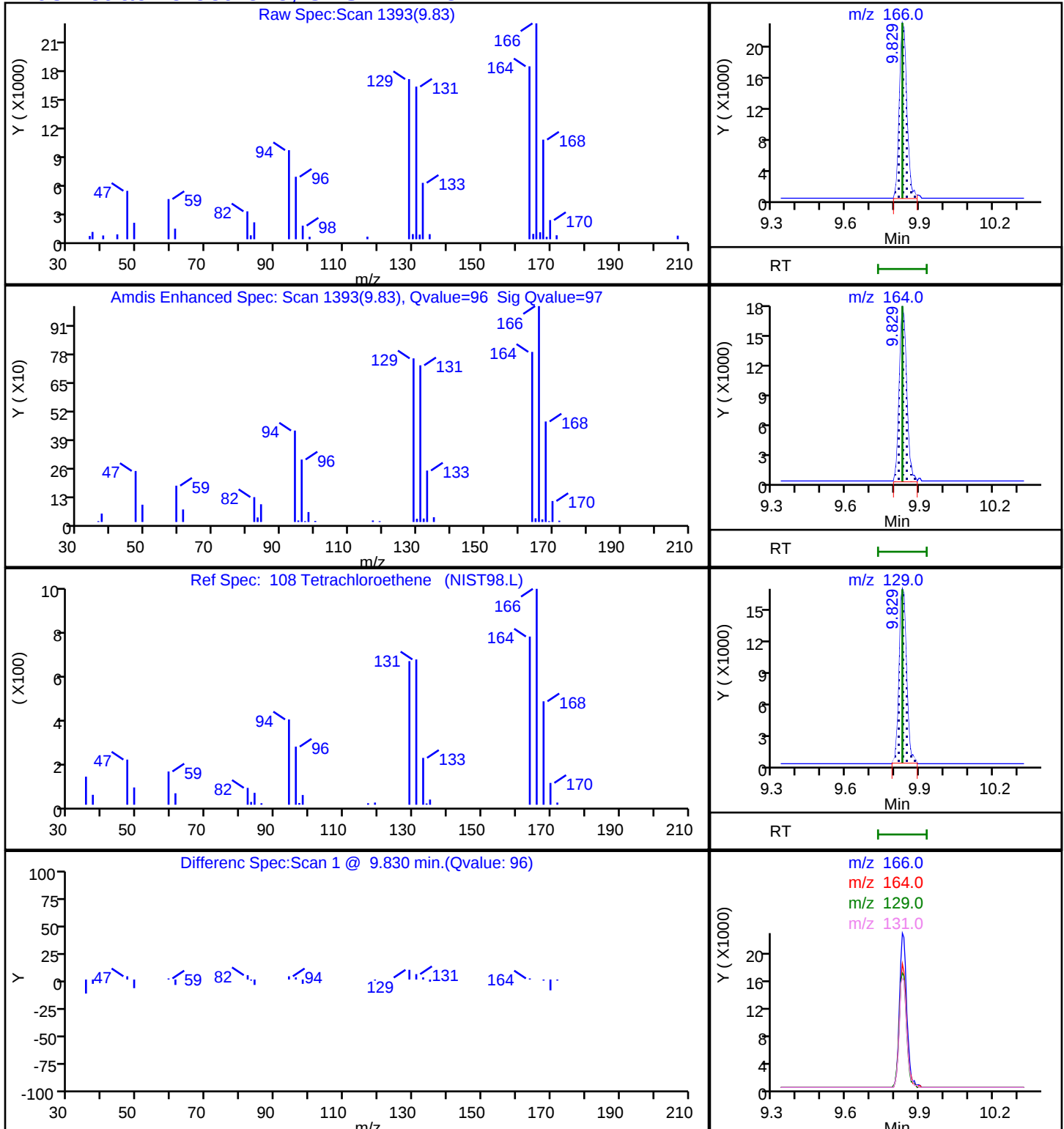
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

108 Tetrachloroethene, CAS: 127-18-4

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X23.D

Injection Date: 26-Dec-2024 17:35:30

Instrument ID: 16334

Lims ID: 410-201498-A-12

Lab Sample ID: 410-201498-12

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

Operator ID: ecr105096

ALS Bottle#: 23

Worklist Smp#: 24

Purge Vol: 25.000 mL

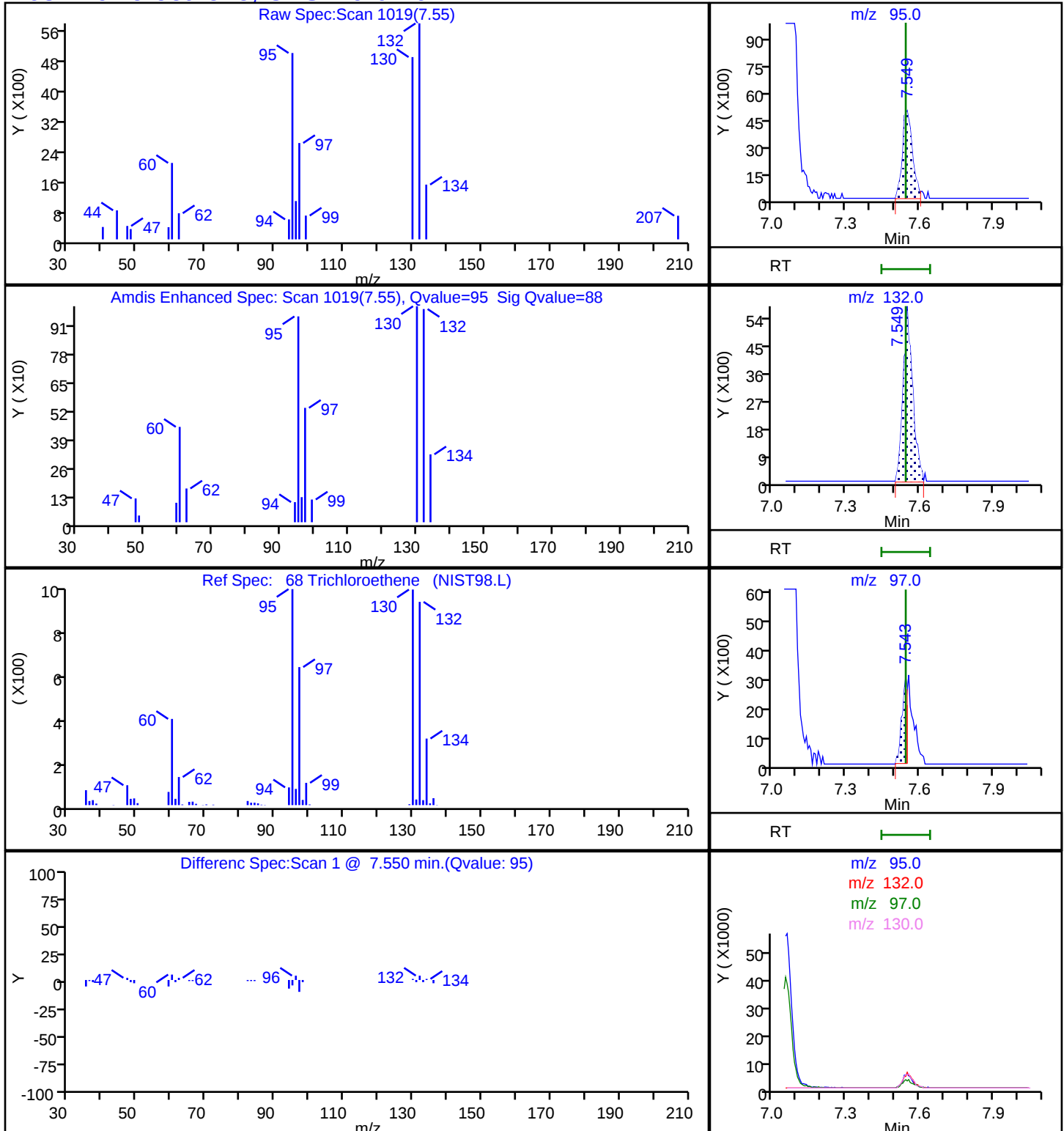
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

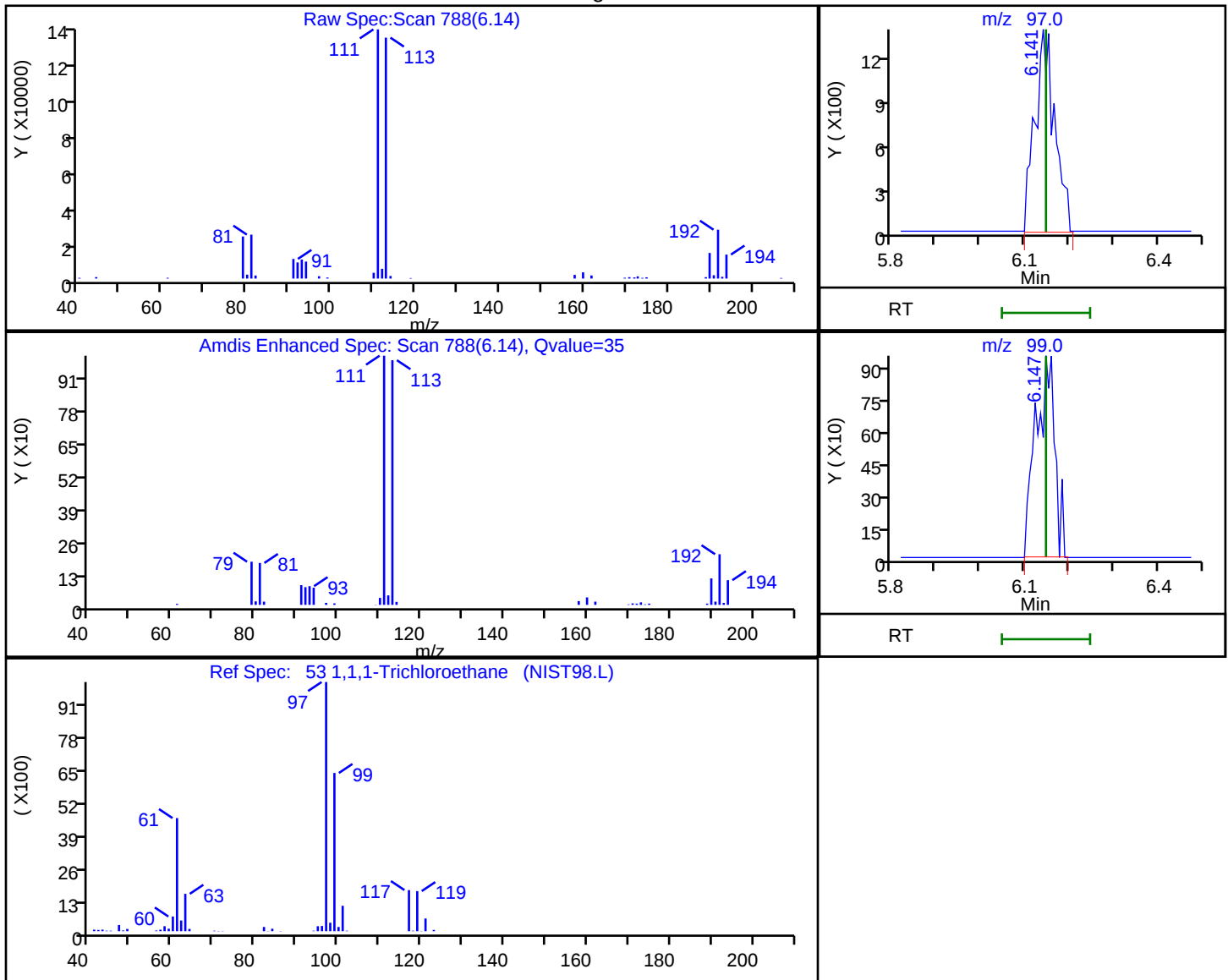
68 Trichloroethene, CAS: 79-01-6

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X23.D
Injection Date: 26-Dec-2024 17:35:30 Instrument ID: 16334
Lims ID: 410-201498-A-12 Lab Sample ID: 410-201498-12
Client ID: HD-COD-SW-29-0/1-0
Operator ID: ecr105096 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 i.d.) Detector: MS Quad

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

Processing Results



RT	Mass	Response	Amount
6.14	97.00	4055	0.054017
6.15	99.00	2862	

Reviewer: FQ4L, 27-Dec-2024 09:47:39 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.: 410-201498-1

SDG No.:

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

Lab Sample ID: 410-201498-13

Matrix: Water

Lab File ID: GD26X26.D

Analysis Method: 8260D

Date Collected: 12/18/2024 08:00

Sample wt/vol: 25 (mL)

Date Analyzed: 12/26/2024 18:41

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 589906

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	16		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	2.7		0.50	0.10
75-35-4	1,1-Dichloroethene	1.2		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	4.1		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.: 410-201498-1

SDG No. :

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

Lab Sample ID: 410-201498-13

Matrix: Water

Lab File ID: GD26X26.D

Analysis Method: 8260D

Date Collected: 12/18/2024 08:00

Sample wt/vol: 25 (mL)

Date Analyzed: 12/26/2024 18:41

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 589906

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	7.6		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)	104		80-120
460-00-4	4-Bromofluorobenzene (Surr)	91		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\16334\20241226-134250.b\GD26X26.D
 Lims ID: 410-201498-A-13
 Client ID: HD-QC1-0/1-1
 Sample Type: Client
 Inject. Date: 26-Dec-2024 18:41:30 ALS Bottle#: 26 Worklist Smp#: 27
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0134250-027
 Operator ID: ecr105096 Instrument ID: 16334
 Method: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\MSV_16334_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 27-Dec-2024 09:49:55 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: CTX1647

First Level Reviewer: FQ4L

Date: 27-Dec-2024 09:49:55

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50	1.886	1.886	0.000	98	4809	0.0716	
6 Vinyl chloride	62		1.989				ND	7
9 Bromomethane	94		2.282				ND	7
10 Chloroethane	64		2.312				ND	
18 1,1-Dichloroethene	96	3.026	3.026	0.000	97	46224	1.17	
19 Acetone	43		3.056				ND	
24 Carbon disulfide	76		3.282				ND	7
29 Methylene Chloride	84		3.587				ND	
* 30 t-Butyl alcohol-d10 (IS)	65	3.611	3.617	-0.006	27	75841	50.0	
33 Methyl tert-butyl ether	73	3.910	3.934	-0.024	47	2383	0.0271	
34 trans-1,2-Dichloroethene	96	3.934	3.934	0.000	95	2733	0.0589	M
37 1,1-Dichloroethane	63	4.562	4.562	0.000	96	228007	2.71	
41 2-Butanone (MEK)	43		5.397				ND	
42 cis-1,2-Dichloroethene	96	5.421	5.422	-0.001	79	205588	4.05	
49 Chlorobromomethane	128		5.757				ND	
51 Chloroform	83	5.921	5.921	0.000	92	15132	0.1835	
\$ 52 Dibromofluoromethane (Surr)	113	6.141	6.141	0.000	93	438599	10.6	
53 1,1,1-Trichloroethane	97	6.141	6.147	-0.006	98	1173185	16.1	
55 Carbon tetrachloride	117		6.360				ND	7
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.598	6.598	0.000	66	82091	10.4	
60 Benzene	78		6.629				ND	7
61 1,2-Dichloroethane	62		6.702				ND	
* 64 Fluorobenzene (IS)	96	7.049	7.049	0.000	99	1750489	10.0	
68 Trichloroethene	95	7.543	7.543	0.000	99	378553	7.58	
70 1,2-Dichloropropane	63		7.872				ND	
76 Dichlorobromomethane	83		8.232				ND	
81 cis-1,3-Dichloropropene	75		8.805				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.012				ND	
\$ 83 Toluene-d8 (Surr)	98	9.146	9.140	0.006	94	1740936	9.50	
84 Toluene	92	9.232	9.226	0.006	99	5045	0.0397	
85 trans-1,3-Dichloropropene	75		9.524				ND	
107 1,1,2-Trichloroethane	97	9.750	9.744	0.006	33	1018	0.0346	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
108 Tetrachloroethene	166	9.829	9.829	0.000	96	13225148	230.3	E
110 2-Hexanone	43		9.988				ND	
112 Chlorodibromomethane	129		10.140				ND	
113 Ethylene Dibromide	107		10.250				ND	
* 114 Chlorobenzene-d5 (IS)	117	10.707	10.707	0.000	86	1320297	10.0	
116 Chlorobenzene	112		10.738				ND	
117 1,1,1,2-Tetrachloroethane	131		10.823				ND	
118 Ethylbenzene	91		10.835				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		11.311				ND	
123 Bromoform	173		11.463				ND	
\$ 127 4-Bromofluorobenzene (Surr)	95	11.743	11.743	0.000	90	573496	9.06	
128 1,1,2,2-Tetrachloroethane	83		11.859				ND	
* 142 1,4-Dichlorobenzene-d4	152	12.633	12.640	-0.007	96	662307	10.0	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

Reagents:

MSV_29_826ISS_00058

Amount Added: 1.20

Units: uL

Run Reagent

Report Date: 27-Dec-2024 09:49:56

Chrom Revision: 2.3 17-Dec-2024 12:44:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X26.D

Injection Date: 26-Dec-2024 18:41:30

Instrument ID: 16334

Operator ID: ecr105096

Lims ID: 410-201498-A-13

Lab Sample ID: 410-201498-13

Worklist Smp#: 27

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

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

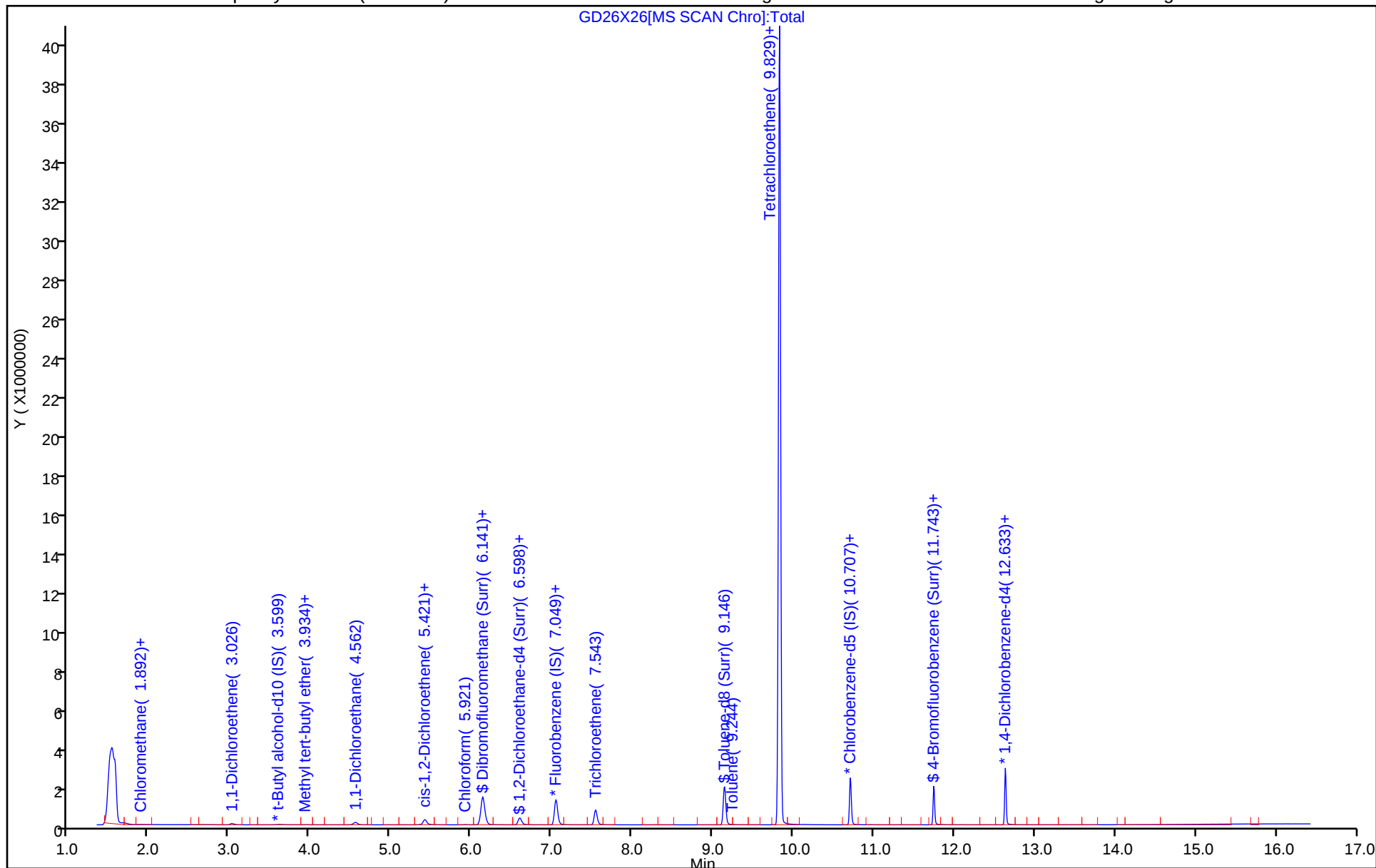
ALS Bottle#: 26

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\20241226-134250.b\GD26X26.D
Lims ID: 410-201498-A-13
Client ID: HD-QC1-0/1-1
Sample Type: Client
Inject. Date: 26-Dec-2024 18:41:30 ALS Bottle#: 26 Worklist Smp#: 27
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0134250-027
Operator ID: ecr105096 Instrument ID: 16334
Method: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 27-Dec-2024 09:49:55 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: CTX1647

First Level Reviewer: FQ4L

Date: 27-Dec-2024 09:49:55

Compound	Amount Added	Amount Recovered	% Rec.
\$ 52 Dibromofluoromethane (Surr)	10.0	10.6	106.20
\$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.4	104.19
\$ 83 Toluene-d8 (Surr)	10.0	9.50	95.00
\$ 127 4-Bromofluorobenzene (Surr)	10.0	9.06	90.62

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X26.D

Injection Date: 26-Dec-2024 18:41:30

Instrument ID: 16334

Lims ID: 410-201498-A-13

Lab Sample ID: 410-201498-13

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

Operator ID: ecr105096

ALS Bottle#: 26

Worklist Smp#: 27

Purge Vol: 25.000 mL

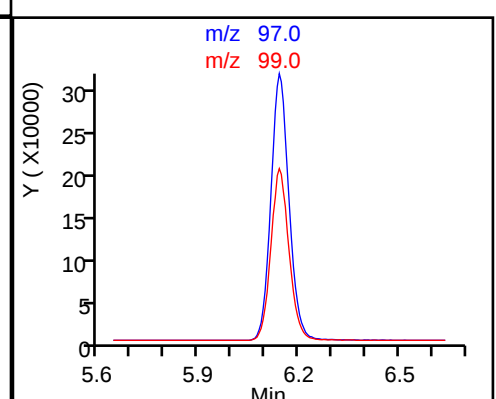
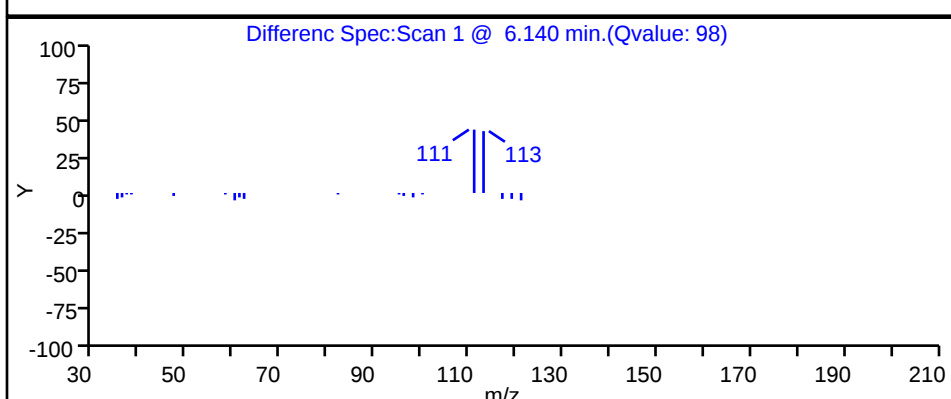
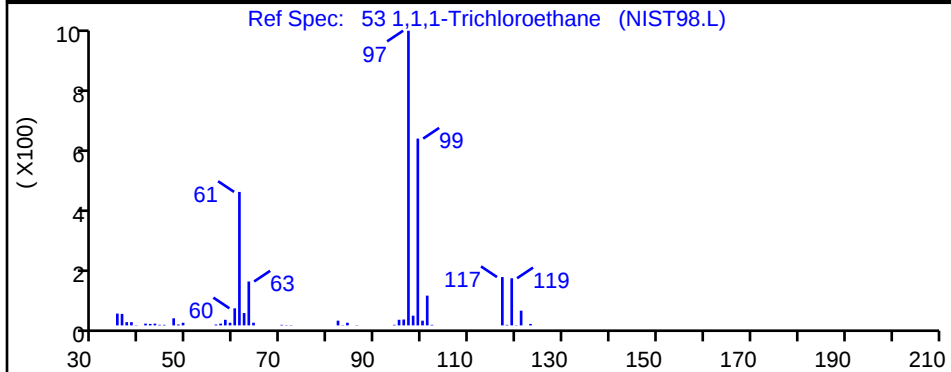
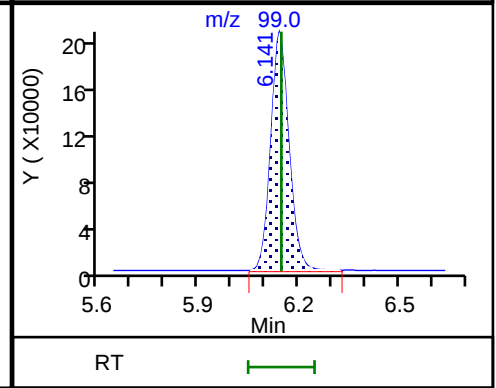
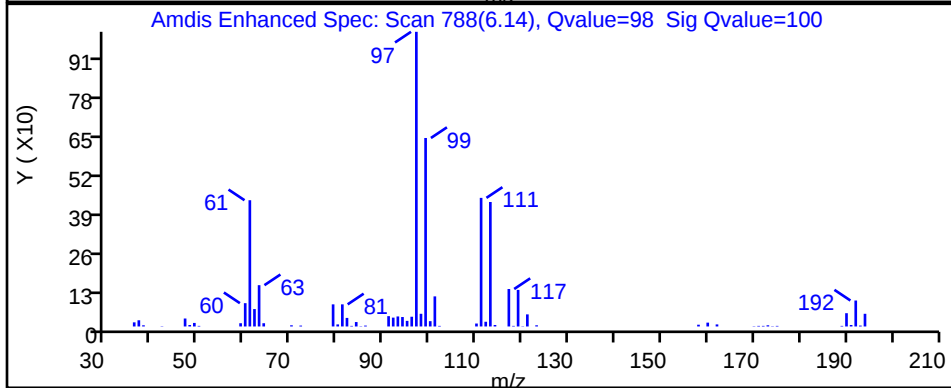
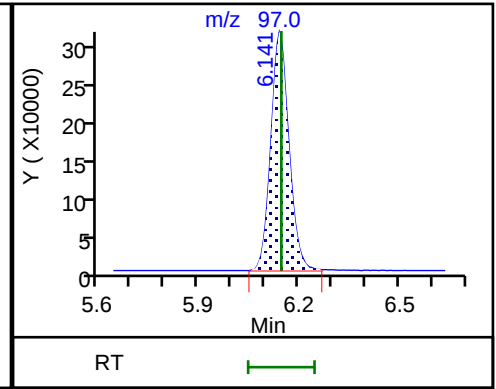
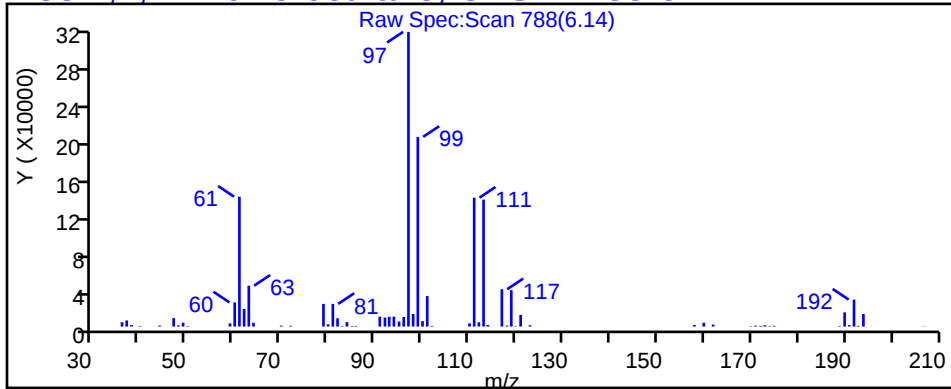
Dil. Factor: 1.0000

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\20241226-134250.b\GD26X26.D

Injection Date: 26-Dec-2024 18:41:30

Instrument ID: 16334

Lims ID: 410-201498-A-13

Lab Sample ID: 410-201498-13

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

Operator ID: ecr105096

ALS Bottle#: 26

Worklist Smp#: 27

Purge Vol: 25.000 mL

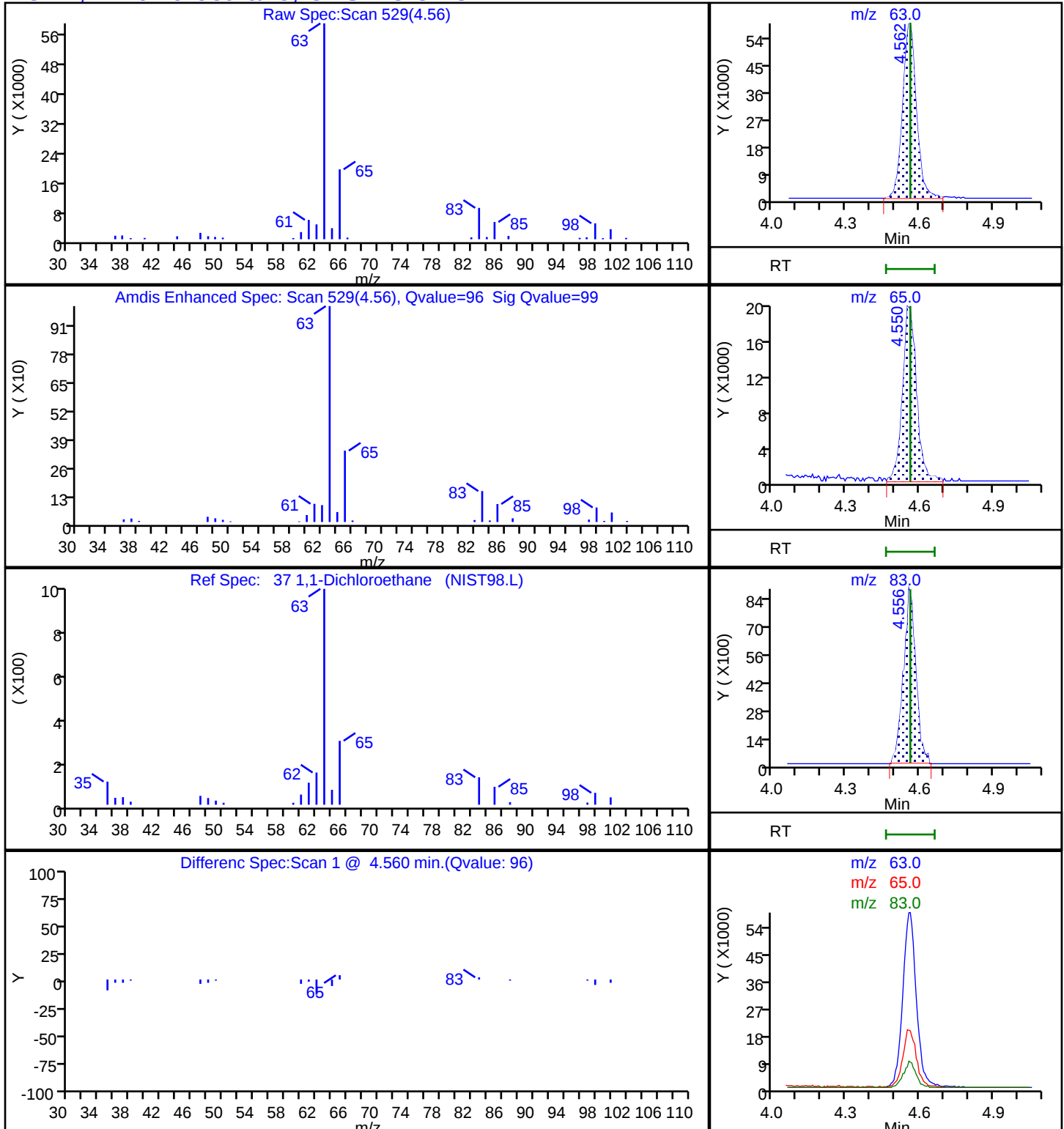
Dil. Factor: 1.0000

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\20241226-134250.b\GD26X26.D

Injection Date: 26-Dec-2024 18:41:30

Instrument ID: 16334

Lims ID: 410-201498-A-13

Lab Sample ID: 410-201498-13

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

Operator ID: ecr105096

ALS Bottle#: 26

Worklist Smp#: 27

Purge Vol: 25.000 mL

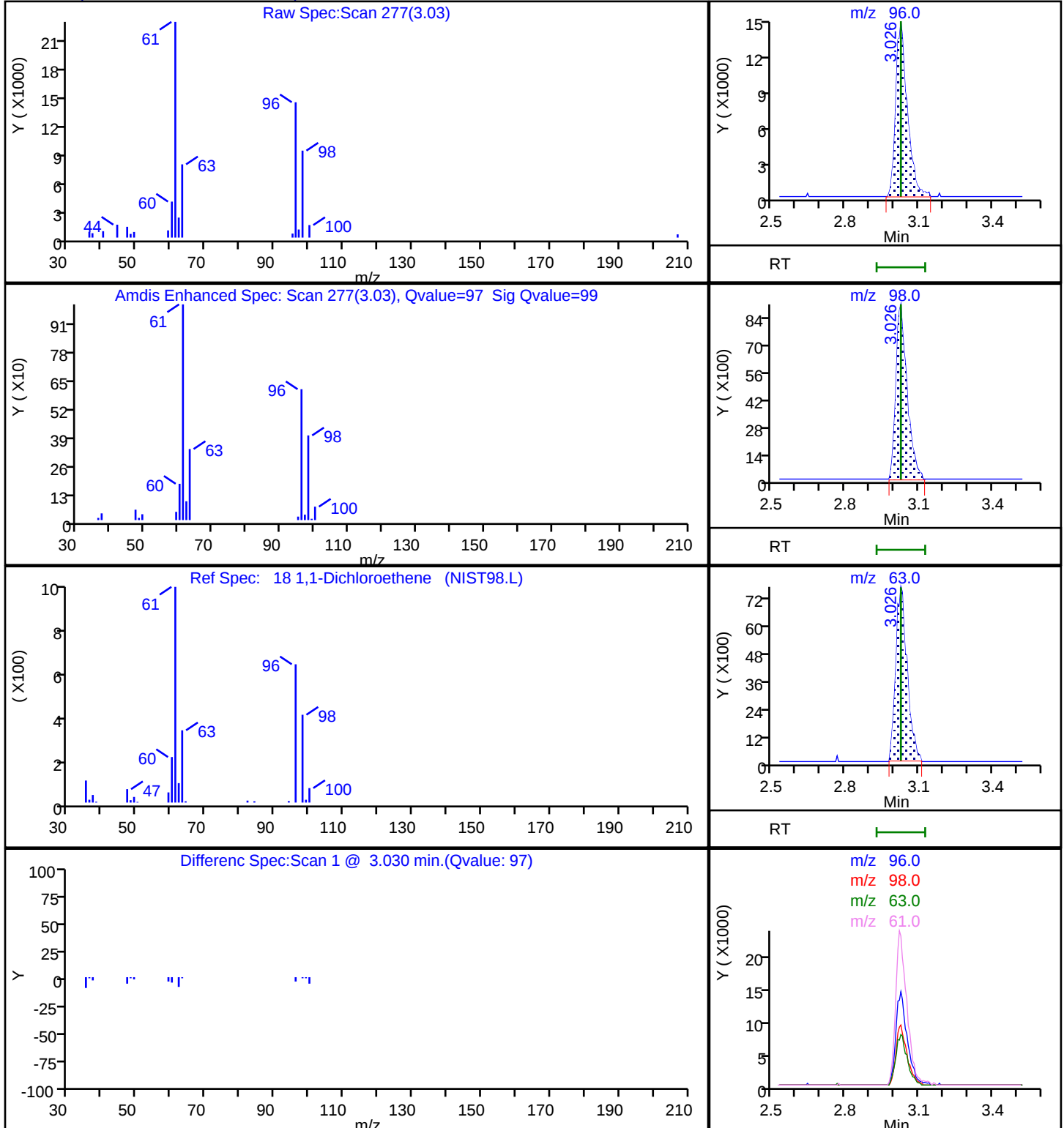
Dil. Factor: 1.0000

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\20241226-134250.b\GD26X26.D

Injection Date: 26-Dec-2024 18:41:30

Instrument ID: 16334

Lims ID: 410-201498-A-13

Lab Sample ID: 410-201498-13

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

Operator ID: ecr105096

ALS Bottle#: 26

Worklist Smp#: 27

Purge Vol: 25.000 mL

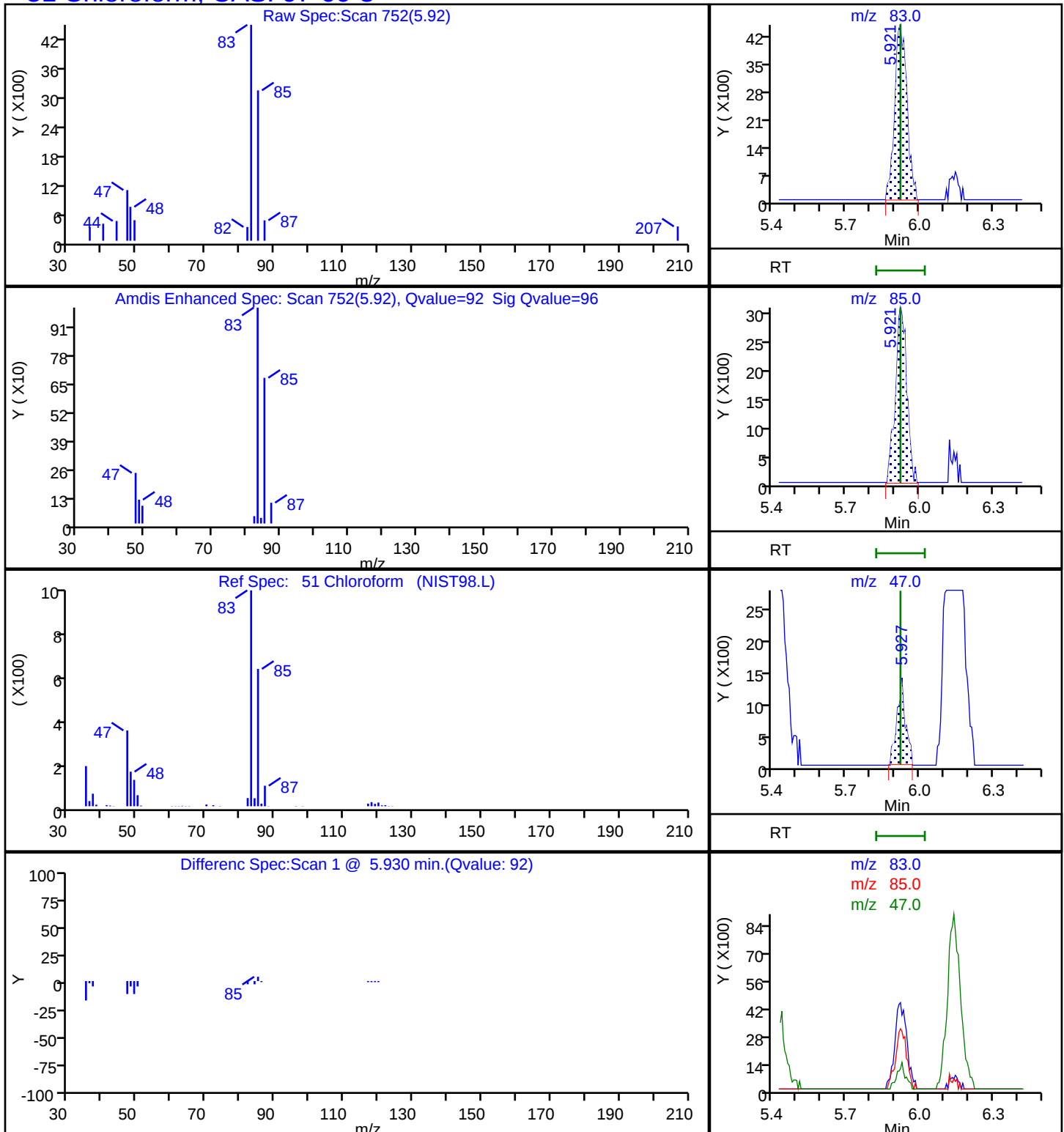
Dil. Factor: 1.0000

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\20241226-134250.b\GD26X26.D

Injection Date: 26-Dec-2024 18:41:30

Instrument ID: 16334

Lims ID: 410-201498-A-13

Lab Sample ID: 410-201498-13

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

Operator ID: ecr105096

ALS Bottle#: 26

Worklist Smp#: 27

Purge Vol: 25.000 mL

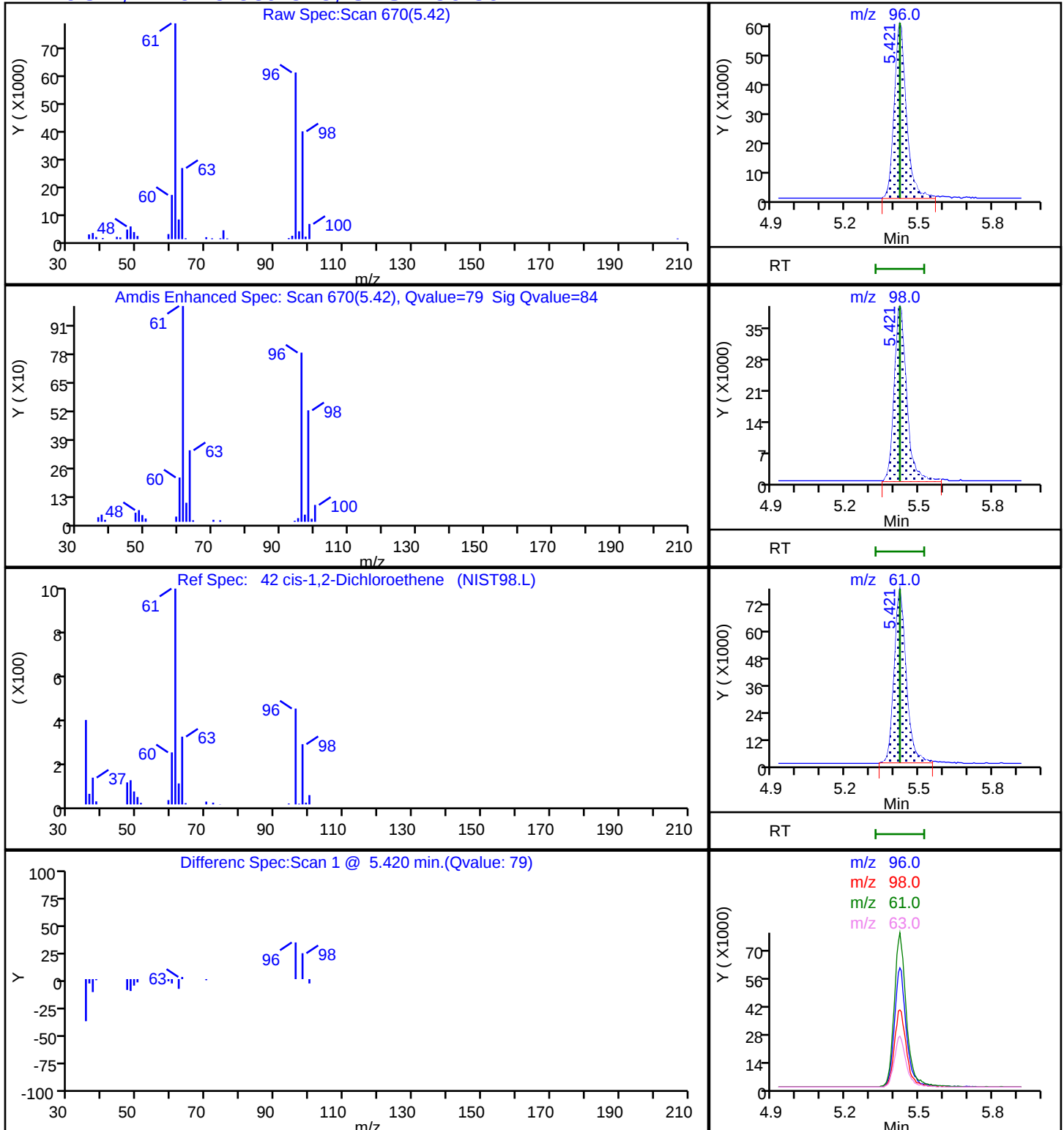
Dil. Factor: 1.0000

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\20241226-134250.b\GD26X26.D

Injection Date: 26-Dec-2024 18:41:30

Instrument ID: 16334

Lims ID: 410-201498-A-13

Lab Sample ID: 410-201498-13

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

Operator ID: ecr105096

ALS Bottle#: 26

Worklist Smp#: 27

Purge Vol: 25.000 mL

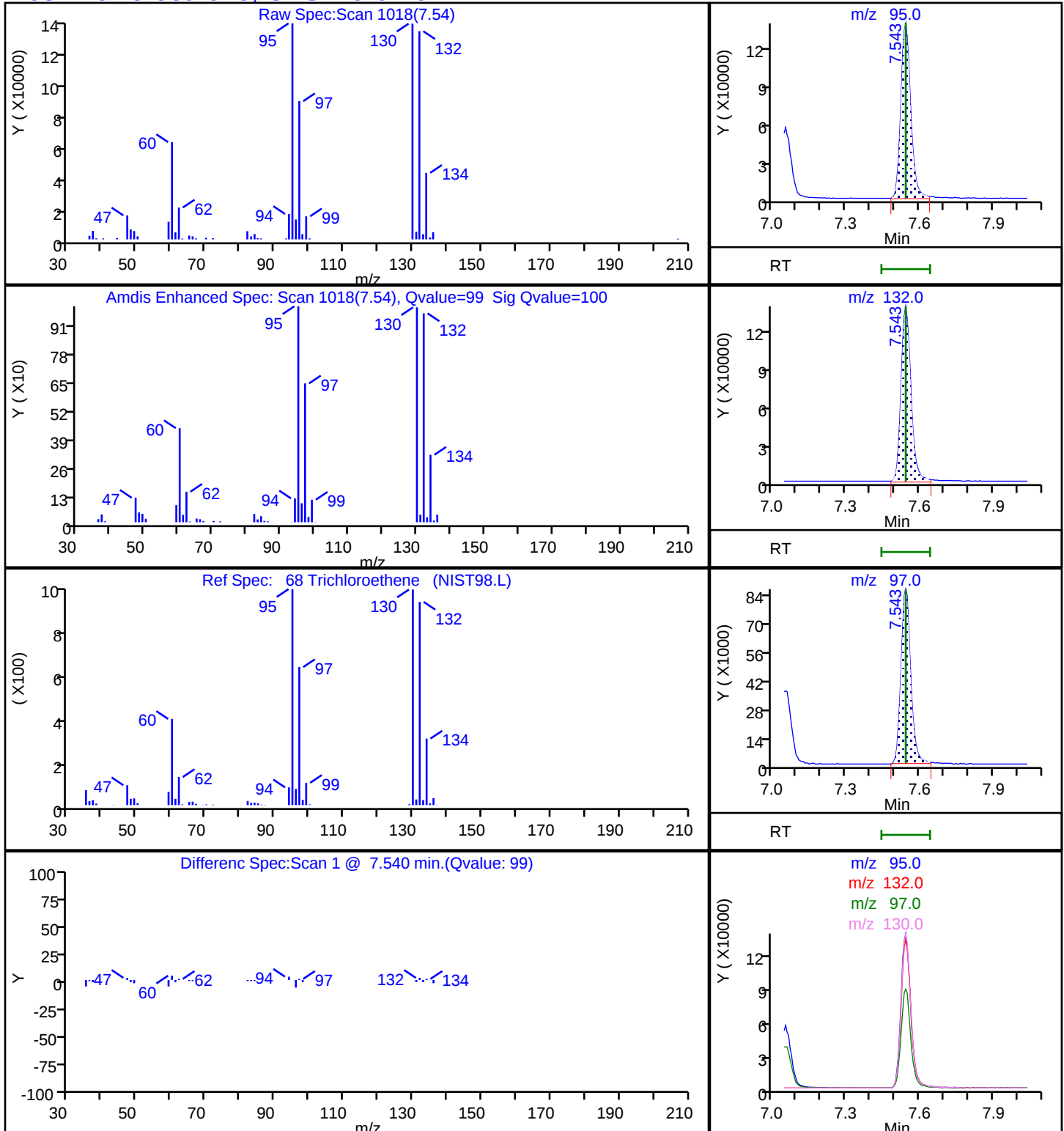
Dil. Factor: 1.0000

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

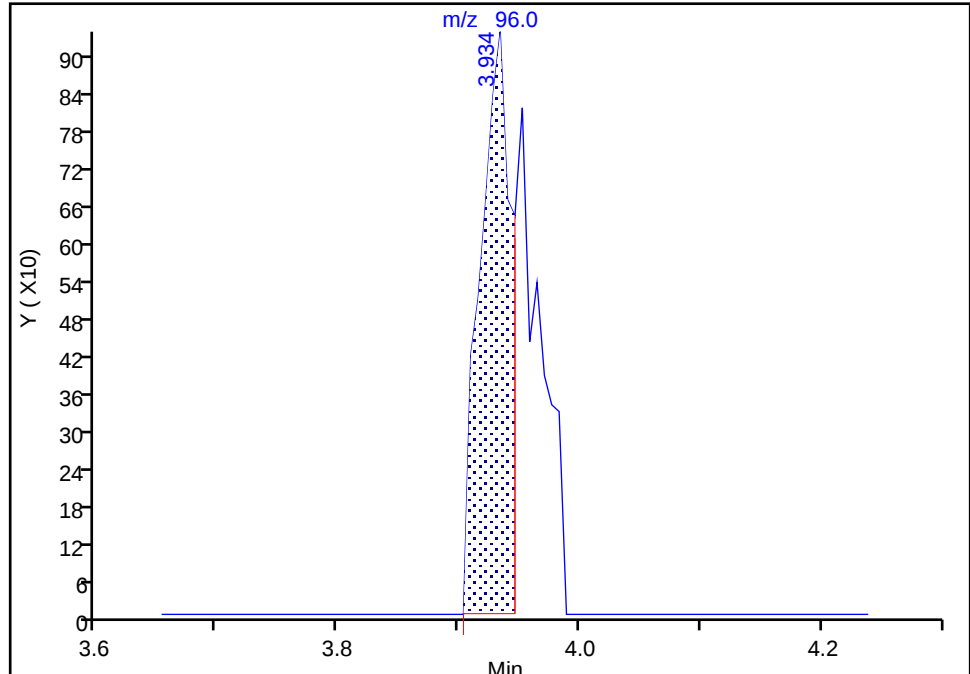
Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X26.D
Injection Date: 26-Dec-2024 18:41:30 Instrument ID: 16334
Lims ID: 410-201498-A-13 Lab Sample ID: 410-201498-13
Client ID: HD-QC1-0/1-1
Operator ID: ecr105096 ALS Bottle#: 26 Worklist Smp#: 27
Purge Vol: 25.000 mL Dil. Factor: 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

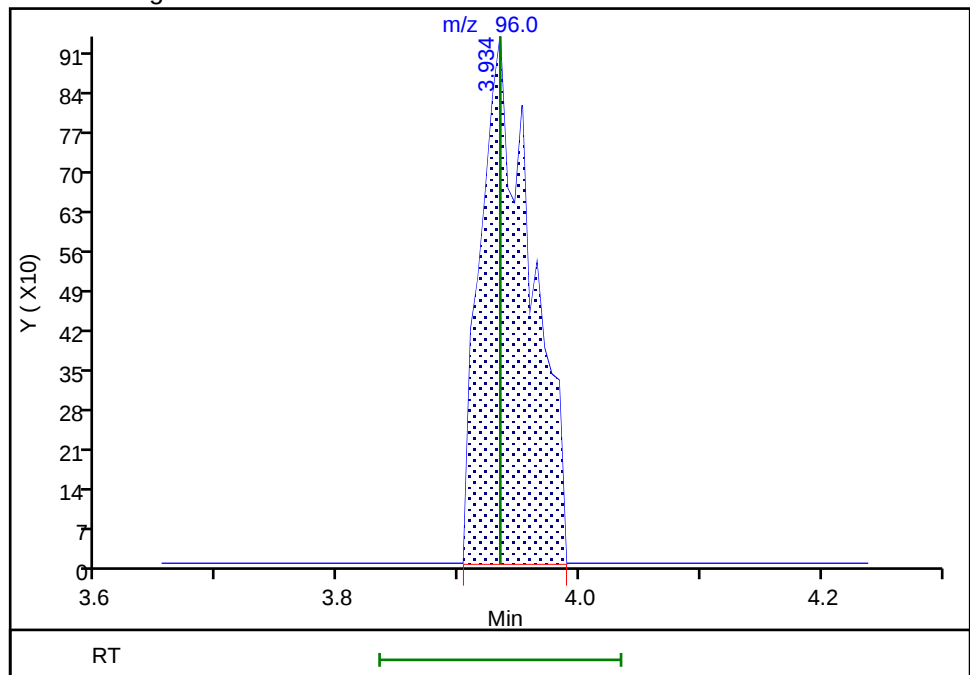
RT: 3.93
Area: 1700
Amount: 0.036648
Amount Units: ug/l

Processing Integration Results



RT: 3.93
Area: 2733
Amount: 0.058917
Amount Units: ug/l

Manual Integration Results



Reviewer: FQ4L, 27-Dec-2024 09:49:34 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.: 410-201498-1

SDG No.:

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

Lab Sample ID: 410-201498-13 DL

Matrix: Water

Lab File ID: GD26X27.D

Analysis Method: 8260D

Date Collected: 12/18/2024 08:00

Sample wt/vol: 25 (mL)

Date Analyzed: 12/26/2024 19:04

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.: 589906

Units: ug/L

Preparation Batch No.:

Instrument ID: 16334

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
127-18-4	Tetrachloroethene	200		5.0	2.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		80-120
460-00-4	4-Bromofluorobenzene (Surr)	89		80-120
1868-53-7	Dibromofluoromethane (Surr)	107		80-120
2037-26-5	Toluene-d8 (Surr)	96		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X27.D
 Lims ID: 410-201498-B-13 DL
 Client ID: HD-QC1-0/1-1
 Sample Type: Client
 Inject. Date: 26-Dec-2024 19:04:30 ALS Bottle#: 27 Worklist Smp#: 28
 Purge Vol: 25.000 mL Dil. Factor: 10.0000
 Sample Info: 410-0134250-028
 Operator ID: ecr105096 Instrument ID: 16334
 Method: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\MSV_16334_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 27-Dec-2024 09:50:43 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: CTX1647

First Level Reviewer: FQ4L

Date: 27-Dec-2024 09:50:43

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50		1.886				ND	7
6 Vinyl chloride	62		1.989				ND	
9 Bromomethane	94		2.282				ND	
10 Chloroethane	64		2.312				ND	
18 1,1-Dichloroethene	96	3.019	3.026	-0.007	91	3706	0.0959	
19 Acetone	43		3.056				ND	
24 Carbon disulfide	76		3.282				ND	7
29 Methylene Chloride	84		3.587				ND	
* 30 t-Butyl alcohol-d10 (IS)	65	3.635	3.617	0.018	21	73125	50.0	
33 Methyl tert-butyl ether	73		3.934				ND	
34 trans-1,2-Dichloroethene	96		3.934				ND	
37 1,1-Dichloroethane	63	4.574	4.562	0.012	96	19832	0.2411	a
41 2-Butanone (MEK)	43		5.397				ND	
42 cis-1,2-Dichloroethene	96	5.434	5.422	0.012	84	17185	0.3460	
49 Chlorobromomethane	128		5.757				ND	
51 Chloroform	83		5.921				ND	
\$ 52 Dibromofluoromethane (Surr)	113	6.141	6.141	0.000	93	432490	10.7	
53 1,1,1-Trichloroethane	97	6.153	6.147	0.006	81	102589	1.44	
55 Carbon tetrachloride	117		6.360				ND	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.604	6.598	0.006	66	79920	10.4	
60 Benzene	78		6.629				ND	
61 1,2-Dichloroethane	62		6.702				ND	
* 64 Fluorobenzene (IS)	96	7.055	7.049	0.006	99	1713156	10.0	
68 Trichloroethene	95	7.549	7.543	0.006	98	32216	0.6592	
70 1,2-Dichloropropane	63		7.872				ND	
76 Dichlorobromomethane	83		8.232				ND	
81 cis-1,3-Dichloropropene	75		8.805				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.012				ND	
\$ 83 Toluene-d8 (Surr)	98	9.146	9.140	0.006	94	1692619	9.57	
84 Toluene	92		9.226				ND	
85 trans-1,3-Dichloropropene	75		9.524				ND	
107 1,1,2-Trichloroethane	97		9.744				ND	U

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
108 Tetrachloroethene	166	9.829	9.829	0.000	97	1092050	19.7	
110 2-Hexanone	43		9.988				ND	
112 Chlorodibromomethane	129		10.140				ND	
113 Ethylene Dibromide	107		10.250				ND	
* 114 Chlorobenzene-d5 (IS)	117	10.707	10.707	0.000	86	1273885	10.0	
116 Chlorobenzene	112		10.738				ND	
117 1,1,1,2-Tetrachloroethane	131		10.823				ND	
118 Ethylbenzene	91		10.835				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		11.311				ND	
123 Bromoform	173		11.463				ND	
\$ 127 4-Bromofluorobenzene (Surr)	95	11.743	11.743	0.000	90	544720	8.92	
128 1,1,2,2-Tetrachloroethane	83		11.859				ND	
* 142 1,4-Dichlorobenzene-d4	152	12.633	12.640	-0.007	95	650751	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_00058

Amount Added: 1.20

Units: uL

Run Reagent

Report Date: 27-Dec-2024 09:50:43

Chrom Revision: 2.3 17-Dec-2024 12:44:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X27.D

Injection Date: 26-Dec-2024 19:04:30

Instrument ID: 16334

Operator ID: ecr105096

Lims ID: 410-201498-B-13 DL

Lab Sample ID: 410-201498-13

Worklist Smp#: 28

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

Purge Vol: 25.000 mL

Dil. Factor: 10.0000

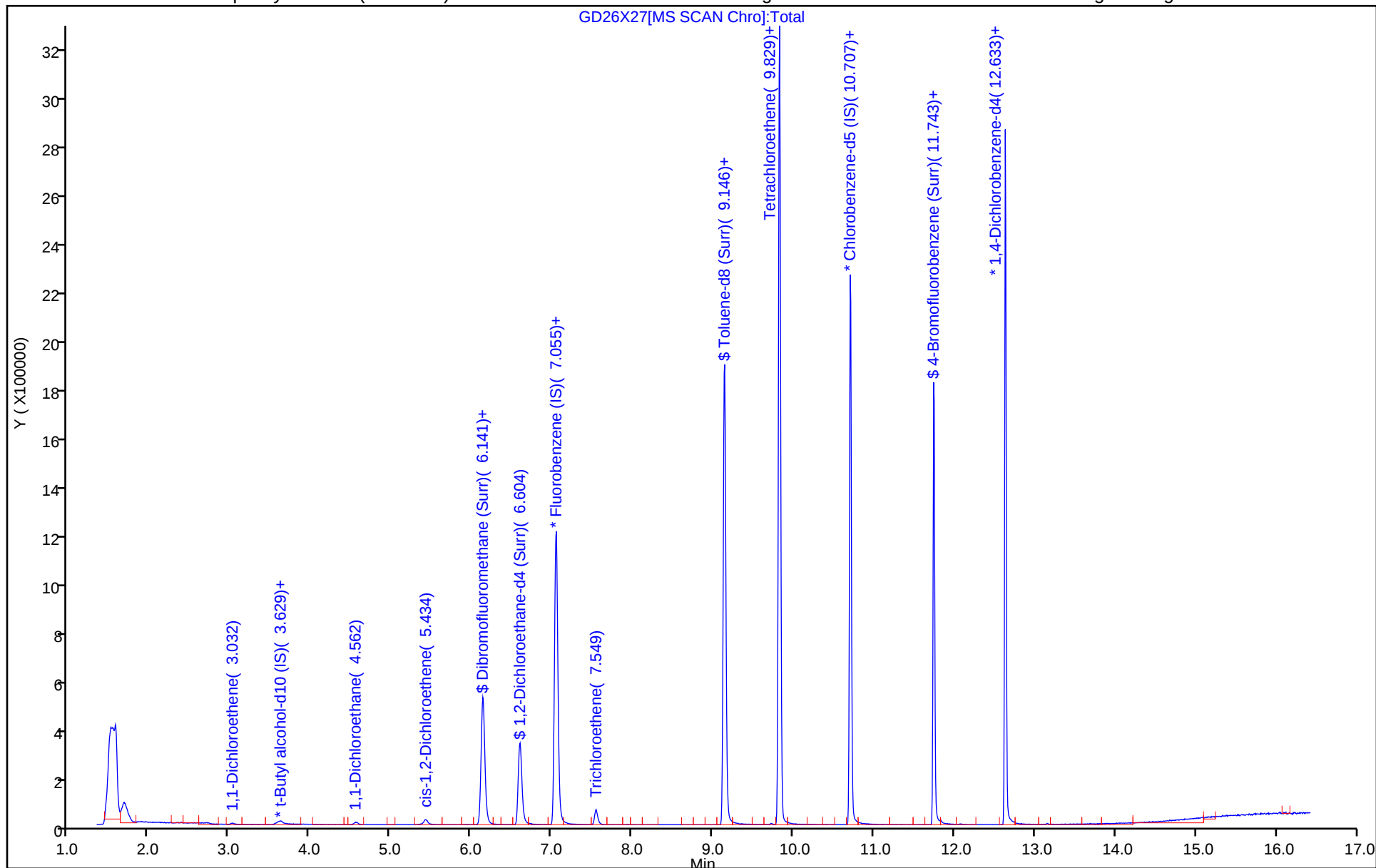
ALS Bottle#: 27

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

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



Eurofins Lancaster Laboratories Environment Testing, LLC
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X27.D
Lims ID: 410-201498-B-13 DL
Client ID: HD-QC1-0/1-1
Sample Type: Client
Inject. Date: 26-Dec-2024 19:04:30 ALS Bottle#: 27 Worklist Smp#: 28
Purge Vol: 25.000 mL Dil. Factor: 10.0000
Sample Info: 410-0134250-028
Operator ID: ecr105096 Instrument ID: 16334
Method: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 27-Dec-2024 09:50:43 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: CTX1647

First Level Reviewer: FQ4L

Date: 27-Dec-2024 09:50:43

Compound	Amount Added	Amount Recovered	% Rec.
\$ 52 Dibromofluoromethane (Surr)	10.0	10.7	107.00
\$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.4	103.64
\$ 83 Toluene-d8 (Surr)	10.0	9.57	95.73
\$ 127 4-Bromofluorobenzene (Surr)	10.0	8.92	89.21

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X27.D

Injection Date: 26-Dec-2024 19:04:30

Instrument ID: 16334

Lims ID: 410-201498-B-13 DL

Lab Sample ID: 410-201498-13

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

Operator ID: ecr105096

ALS Bottle#: 27

Worklist Smp#: 28

Purge Vol: 25.000 mL

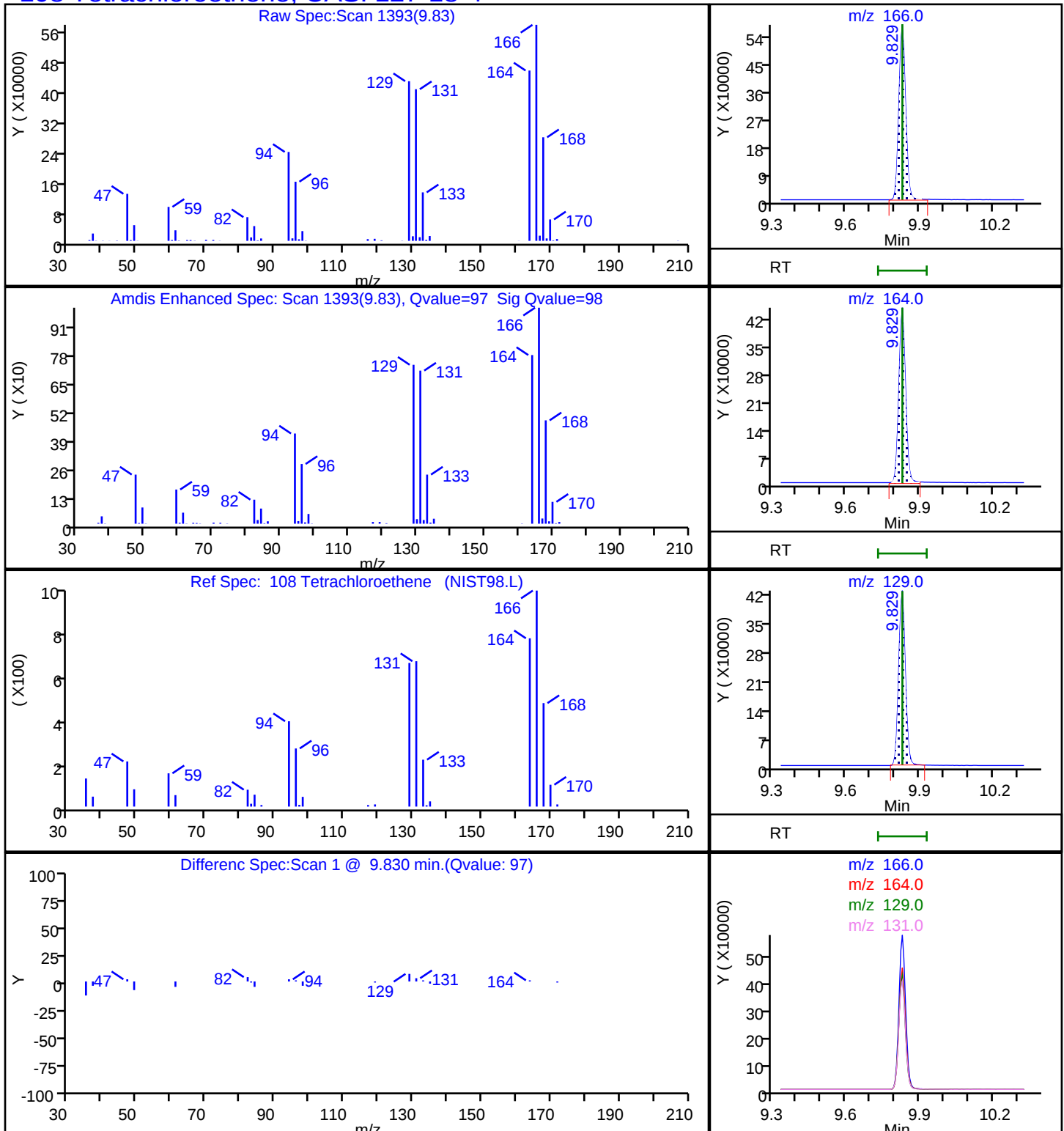
Dil. Factor: 10.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

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

MS Quad

108 Tetrachloroethene, CAS: 127-18-4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-201498-1

SDG No.:

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

Lab Sample ID: 410-201498-14

Matrix: Water

Lab File ID: GD26X07.D

Analysis Method: 8260D

Date Collected: 12/17/2024 00:00

Sample wt/vol: 25 (mL)

Date Analyzed: 12/26/2024 11:40

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 589906

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.: 410-201498-1

SDG No.:

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

Lab Sample ID: 410-201498-14

Matrix: Water

Lab File ID: GD26X07.D

Analysis Method: 8260D

Date Collected: 12/17/2024 00:00

Sample wt/vol: 25 (mL)

Date Analyzed: 12/26/2024 11:40

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 589906

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)	104		80-120
460-00-4	4-Bromofluorobenzene (Surr)	92		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\16334\20241226-134250.b\GD26X07.D
 Lims ID: 410-201498-A-14
 Client ID: HD-QC1-0/1-2
 Sample Type: Client
 Inject. Date: 26-Dec-2024 11:40:30 ALS Bottle#: 7 Worklist Smp#: 8
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0134250-008
 Operator ID: ecr105096 Instrument ID: 16334
 Method: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\MSV_16334_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 26-Dec-2024 17:26:18 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: CTX1647

First Level Reviewer: FQ4L

Date: 27-Dec-2024 09:37:38

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50		1.886				ND	
6 Vinyl chloride	62		1.989				ND	7
9 Bromomethane	94		2.282				ND	
10 Chloroethane	64		2.312				ND	
18 1,1-Dichloroethene	96		3.026				ND	
19 Acetone	43		3.056				ND	
24 Carbon disulfide	76	3.275	3.282	-0.007	98	11344	0.0705	
29 Methylene Chloride	84	3.574	3.587	-0.012	46	3916	0.0807	
* 30 t-Butyl alcohol-d10 (IS)	65	3.605	3.617	-0.012	41	85019	50.0	
33 Methyl tert-butyl ether	73		3.934				ND	
34 trans-1,2-Dichloroethene	96		3.934				ND	
37 1,1-Dichloroethane	63		4.562				ND	
41 2-Butanone (MEK)	43		5.397				ND	
42 cis-1,2-Dichloroethene	96		5.422				ND	
49 Chlorobromomethane	128		5.757				ND	
51 Chloroform	83		5.921				ND	
\$ 52 Dibromofluoromethane (Surr)	113	6.135	6.141	-0.006	93	480097	10.5	
53 1,1,1-Trichloroethane	97		6.147				ND	
55 Carbon tetrachloride	117		6.360				ND	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.598	6.598	0.000	66	90767	10.4	
60 Benzene	78		6.629				ND	
61 1,2-Dichloroethane	62		6.702				ND	
* 64 Fluorobenzene (IS)	96	7.049	7.049	0.000	99	1946329	10.0	
68 Trichloroethene	95		7.543				ND	
70 1,2-Dichloropropane	63		7.872				ND	
76 Dichlorobromomethane	83		8.232				ND	
81 cis-1,3-Dichloropropene	75		8.805				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.012				ND	
\$ 83 Toluene-d8 (Surr)	98	9.140	9.140	0.000	94	1937689	9.68	
84 Toluene	92		9.226				ND	7
85 trans-1,3-Dichloropropene	75		9.524				ND	
107 1,1,2-Trichloroethane	97		9.744				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
108 Tetrachloroethene	166		9.829				ND	
110 2-Hexanone	43		9.988				ND	
112 Chlorodibromomethane	129		10.140				ND	
113 Ethylene Dibromide	107		10.250				ND	
* 114 Chlorobenzene-d5 (IS)	117	10.707	10.707	0.000	86	1442831	10.0	
116 Chlorobenzene	112		10.738				ND	
117 1,1,1,2-Tetrachloroethane	131		10.823				ND	
118 Ethylbenzene	91		10.835				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		11.311				ND	
123 Bromoform	173		11.463				ND	
\$ 127 4-Bromofluorobenzene (Surr)	95	11.743	11.743	0.000	90	636436	9.20	
128 1,1,2,2-Tetrachloroethane	83		11.859				ND	
* 142 1,4-Dichlorobenzene-d4	152	12.639	12.640	-0.001	95	740176	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

MSV_29_826ISS_00058

Amount Added: 1.20

Units: uL

Run Reagent

Report Date: 27-Dec-2024 09:37:38

Chrom Revision: 2.3 17-Dec-2024 12:44:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X07.D

Injection Date: 26-Dec-2024 11:40:30

Instrument ID: 16334

Operator ID: ecr105096

Lims ID: 410-201498-A-14

Lab Sample ID: 410-201498-14

Worklist Smp#: 8

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

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

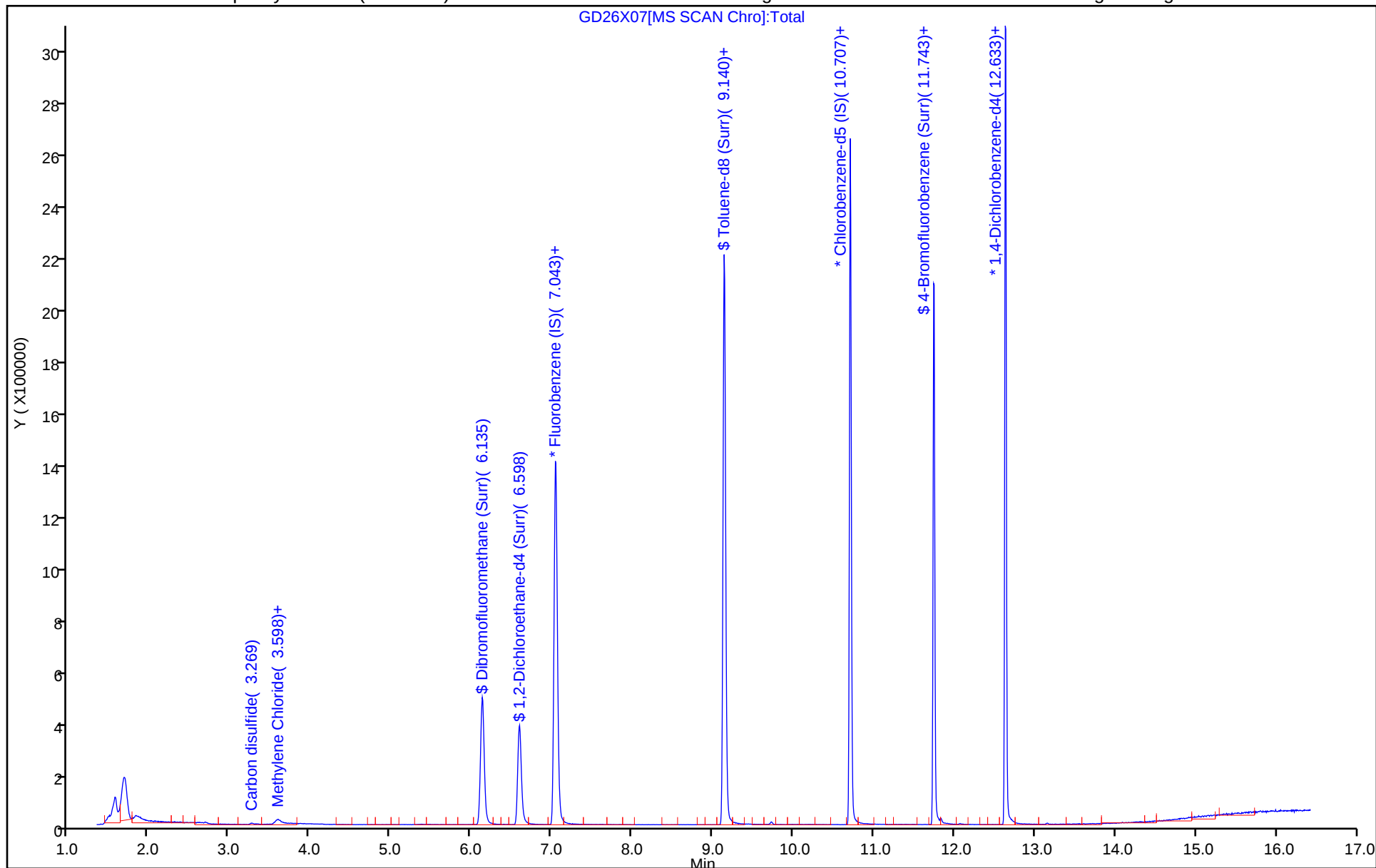
ALS Bottle#: 7

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\20241226-134250.b\GD26X07.D
Lims ID: 410-201498-A-14
Client ID: HD-QC1-0/1-2
Sample Type: Client
Inject. Date: 26-Dec-2024 11:40:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0134250-008
Operator ID: ecr105096 Instrument ID: 16334
Method: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 26-Dec-2024 17:26:18 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: CTX1647

First Level Reviewer: FQ4L

Date: 27-Dec-2024 09:37:38

Compound	Amount Added	Amount Recovered	% Rec.
\$ 52 Dibromofluoromethane (Surr)	10.0	10.5	104.55
\$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.4	103.61
\$ 83 Toluene-d8 (Surr)	10.0	9.68	96.76
\$ 127 4-Bromofluorobenzene (Surr)	10.0	9.20	92.02

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-201498-1 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.: 410-201498-1 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.: 410-201498-1 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.: 410-201498-1 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.: 410-201498-1 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.: 410-201498-1 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.: 410-201498-1 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.: 410-201498-1 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

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-201498-1

Analy Batch No.: 581544

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
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

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-201498-1 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

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	Qua	3506	14274	32020	69444	227843	4.00	10.0	20.0	40.0	100
			459203	1253591				200	500			
Methacrylonitrile	TBAd10	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	TBAd10	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	TBAd10	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

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-201498-1 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

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
			220005	585345				10.0	25.0			
1,4-Dioxane	TBA01	Ave	++++	++++	3051	10948	28481	++++	++++	50.0	100	250
			54833	135780				500	1250			
Methyl methacrylate	TBA01	Ave	++++	6469	14655	26752	83871	++++	0.500	1.00	2.00	5.00
			174082	483923				10.0	25.0			
Bromodichloromethane	FB	Ave	12252	29324	61960	115539	331371	0.200	0.500	1.00	2.00	5.00
			625244	1679274				10.0	25.0			
2-Nitropropane	TBA01	Ave	5212	12747	21818	40397	117113	1.00	2.50	5.00	10.0	25.0
			243849	638287				50.0	125			
1-Bromo-2-chloroethane	FB	Ave	9008	21205	46498	95842	228348	0.200	0.500	1.00	2.00	5.00
			490806	1262277				10.0	25.0			
cis-1,3-Dichloropropene	FB	Ave	14235	33579	77165	141369	417413	0.200	0.500	1.00	2.00	5.00
			784476	2147298				10.0	25.0			
4-Methyl-2-pentanone (MIBK)	TBA01	Ave	30907	83982	189139	375790	1116416	2.00	5.00	10.0	20.0	50.0
			2194385	6077883				100	250			
Toluene	CBZd5	Ave	28904	66999	147967	263681	746443	0.200	0.500	1.00	2.00	5.00
			1387859	3673140				10.0	25.0			
trans-1,3-Dichloropropene	CBZd5	Ave	10848	26993	57396	110405	325432	0.200	0.500	1.00	2.00	5.00
			617479	1707057				10.0	25.0			
Ethyl methacrylate	CBZd5	Ave	++++	13550	32170	61823	201339	++++	0.500	1.00	2.00	5.00
			398554	1123805				10.0	25.0			
1,1,2-Trichloroethane	CBZd5	Ave	6910	15734	33186	60075	170031	0.200	0.500	1.00	2.00	5.00
			323678	846260				10.0	25.0			
Tetrachloroethene	CBZd5	Ave	13301	31355	65358	118374	336165	0.200	0.500	1.00	2.00	5.00
			623584	1624189				10.0	25.0			
1,3-Dichloropropane	CBZd5	Ave	10571	27194	57306	106667	305206	0.200	0.500	1.00	2.00	5.00
			571245	1516964				10.0	25.0			
2-Hexanone	TBA01	Ave	21158	61580	124705	254724	795187	2.00	5.00	10.0	20.0	50.0
			1545408	4197920				100	250			
Dibromochloromethane	CBZd5	Ave	7317	17725	40257	74298	217986	0.200	0.500	1.00	2.00	5.00
			412795	1143819				10.0	25.0			
1,2-Dibromoethane (EDB)	CBZd5	Ave	5058	13173	29644	54379	164058	0.200	0.500	1.00	2.00	5.00
			303700	811627				10.0	25.0			
1-Chlorohexane	CBZd5	Ave	16714	36668	76521	137137	399476	0.200	0.500	1.00	2.00	5.00
			743300	1967644				10.0	25.0			
Chlorobenzene	CBZd5	Ave	32409	76639	165351	295221	839645	0.200	0.500	1.00	2.00	5.00

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-201498-1

Analy Batch No.: 581544

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
			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

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-201498-1 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

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,3-Dichlorobenzene	DCBd4	Ave	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.: 410-201498-1 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.: 410-201498-1 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.: 410-201498-1 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.: 410-201498-1 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.: 410-201498-1 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.: 410-201498-1 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

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

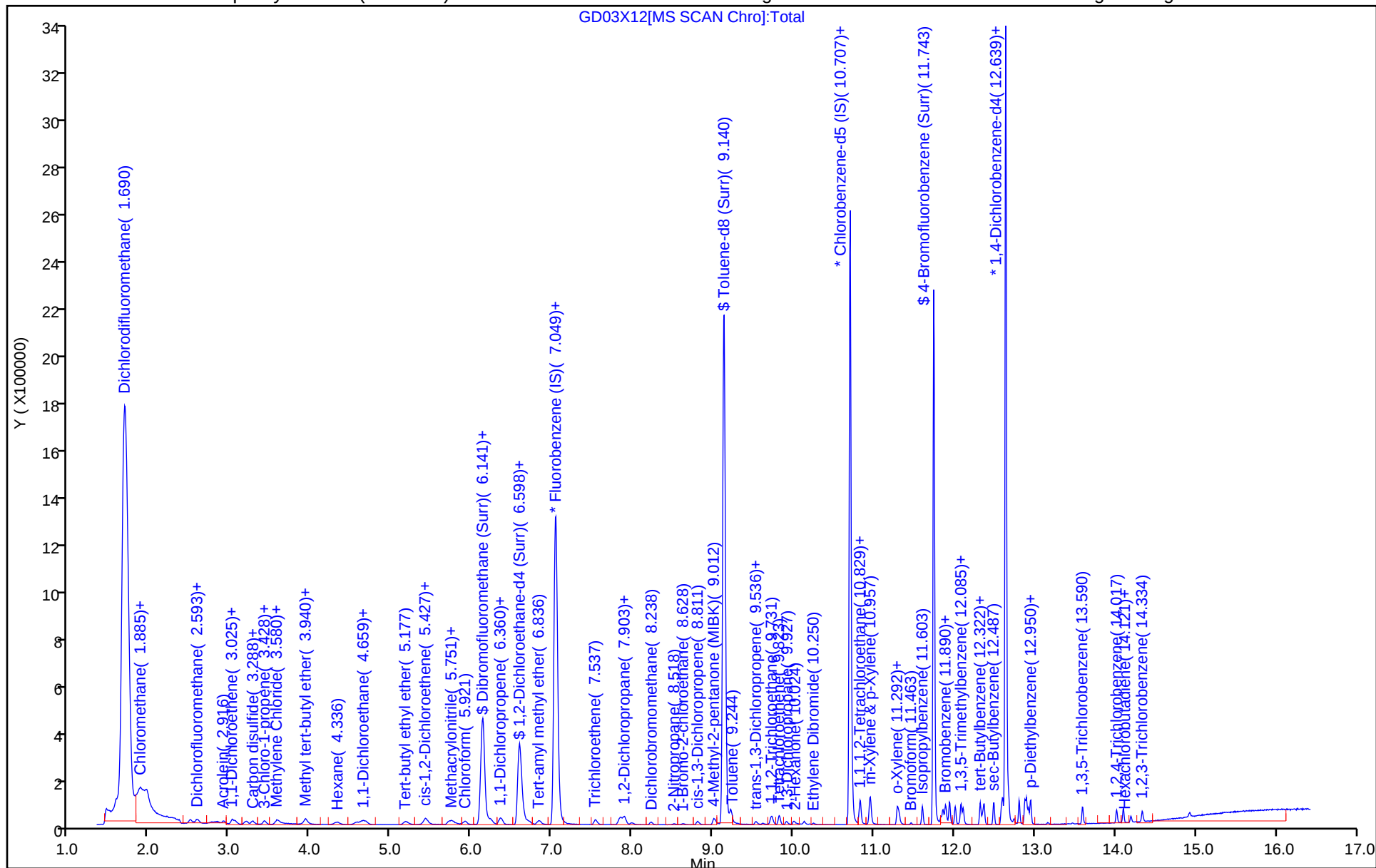
ALS Bottle#: 2

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

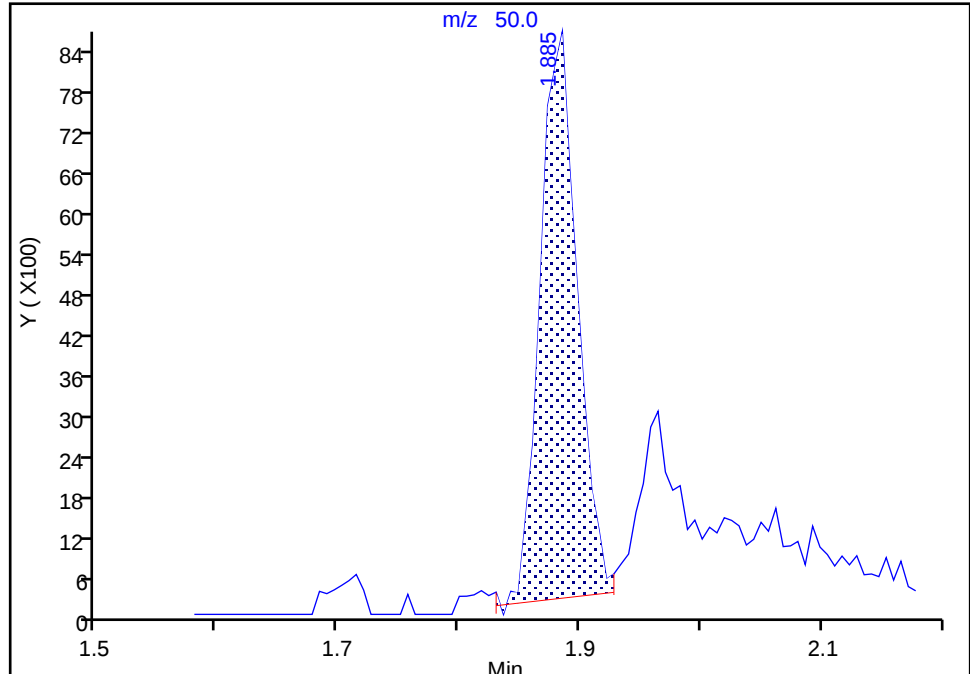
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Injection Date: 03-Dec-2024 16:05:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm i.d.) Detector: MS Quad

5 Chloromethane, CAS: 74-87-3

Signal: 1

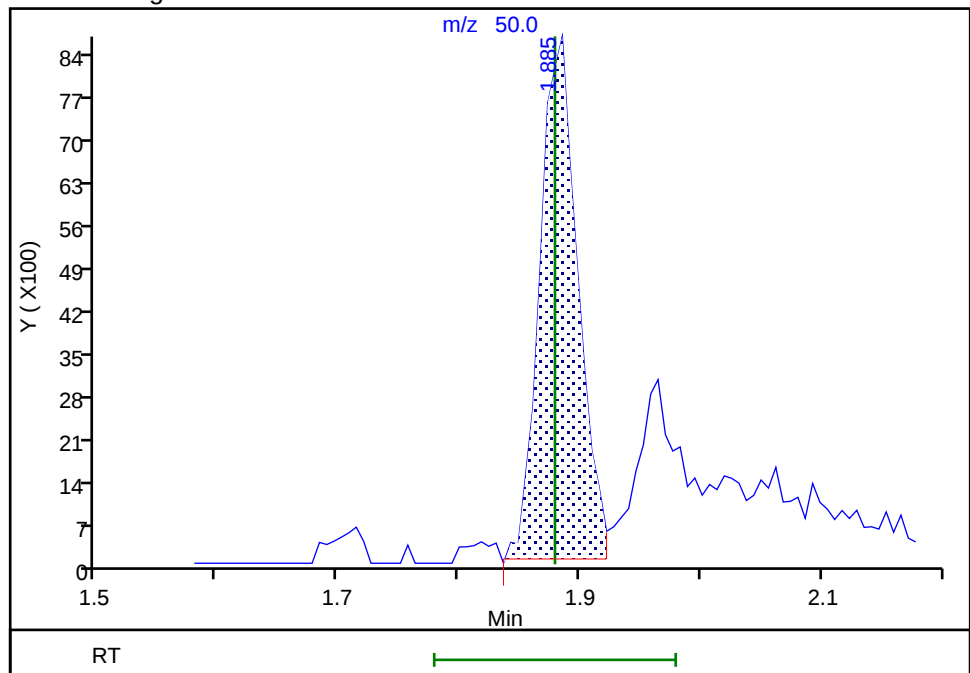
RT: 1.89
Area: 18080
Amount: 0.233386
Amount Units: ug/l

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

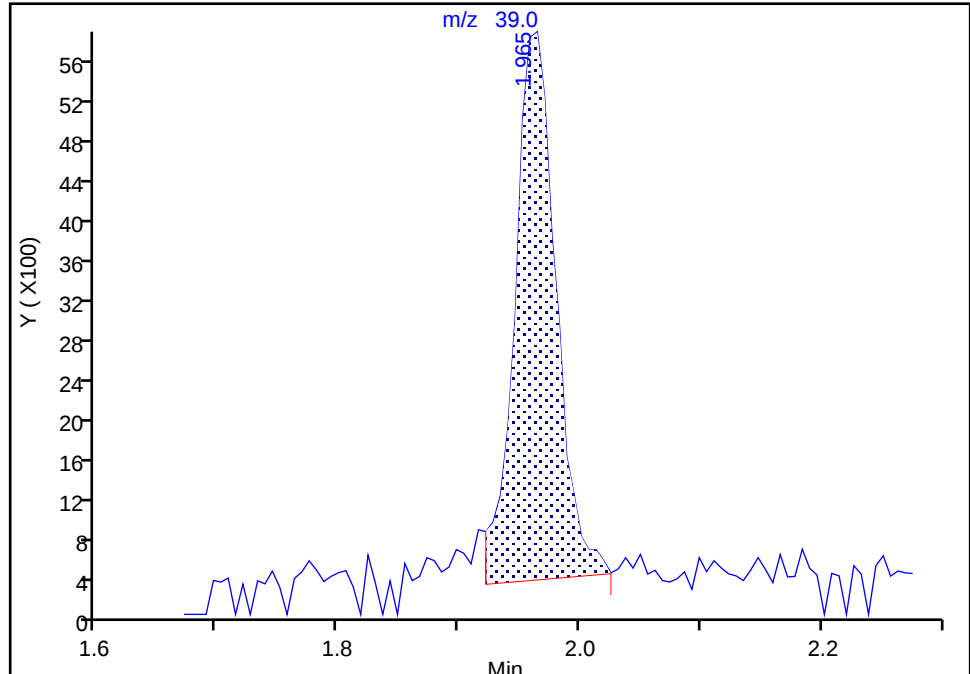
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Injection Date: 03-Dec-2024 16:05:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

7 Butadiene, CAS: 106-99-0

Signal: 1

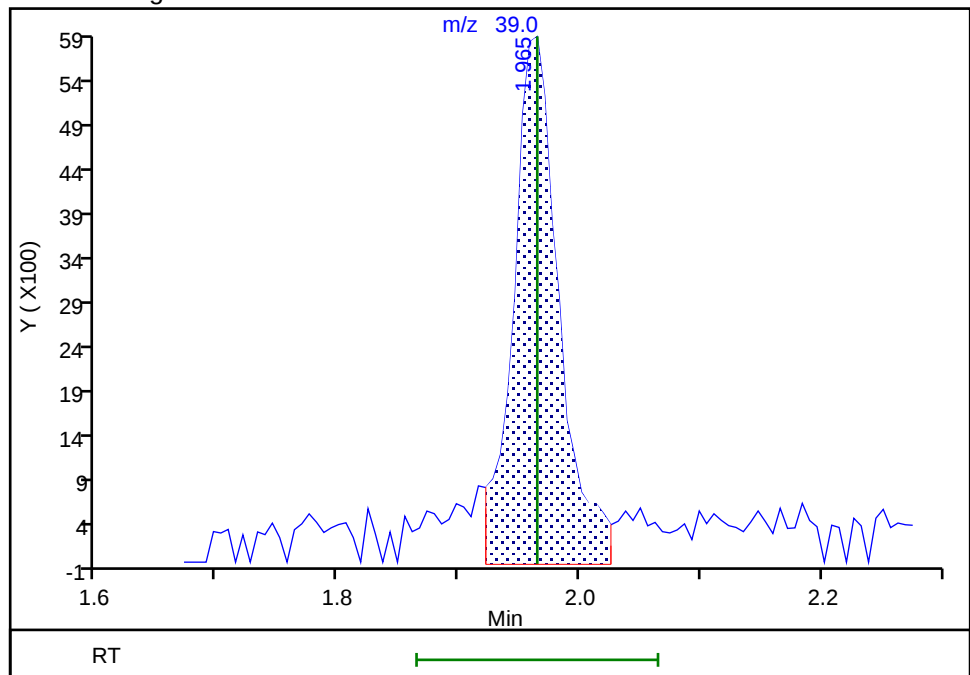
RT: 1.96
Area: 13031
Amount: 0.186111
Amount Units: ug/l

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

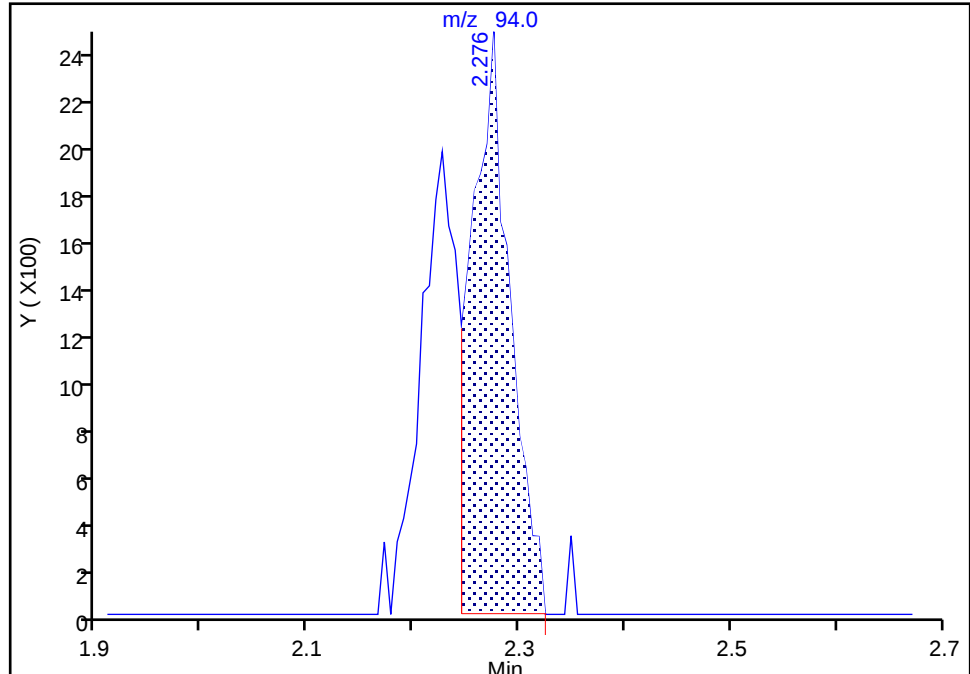
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Injection Date: 03-Dec-2024 16:05:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

9 Bromomethane, CAS: 74-83-9

Signal: 1

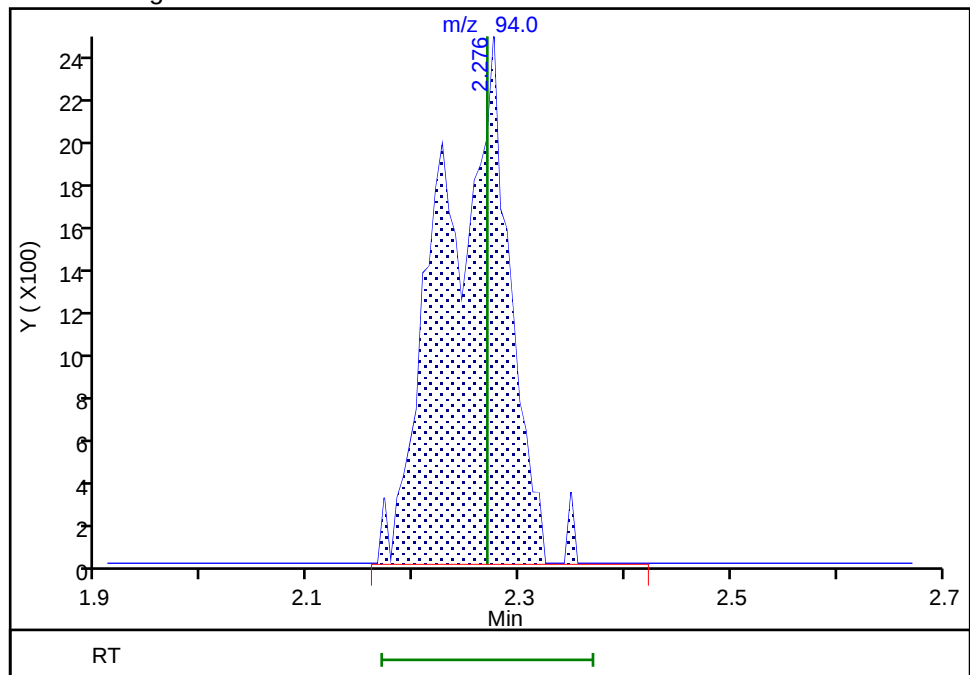
RT: 2.28
Area: 6275
Amount: 0.153973
Amount Units: ug/l

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

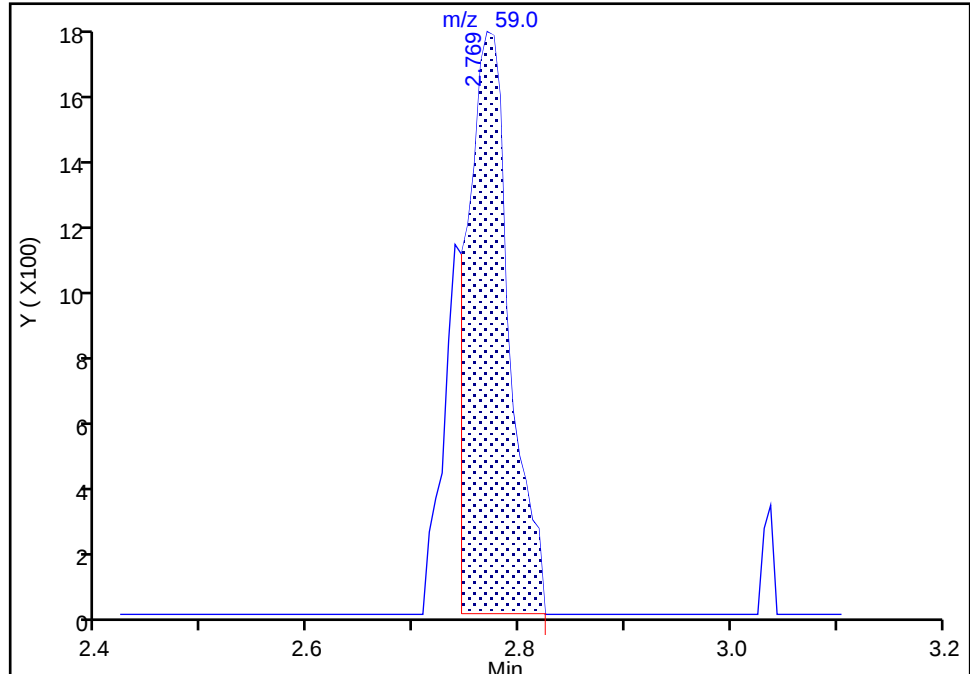
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Injection Date: 03-Dec-2024 16:05:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

13 Ethyl ether, CAS: 60-29-7

Signal: 1

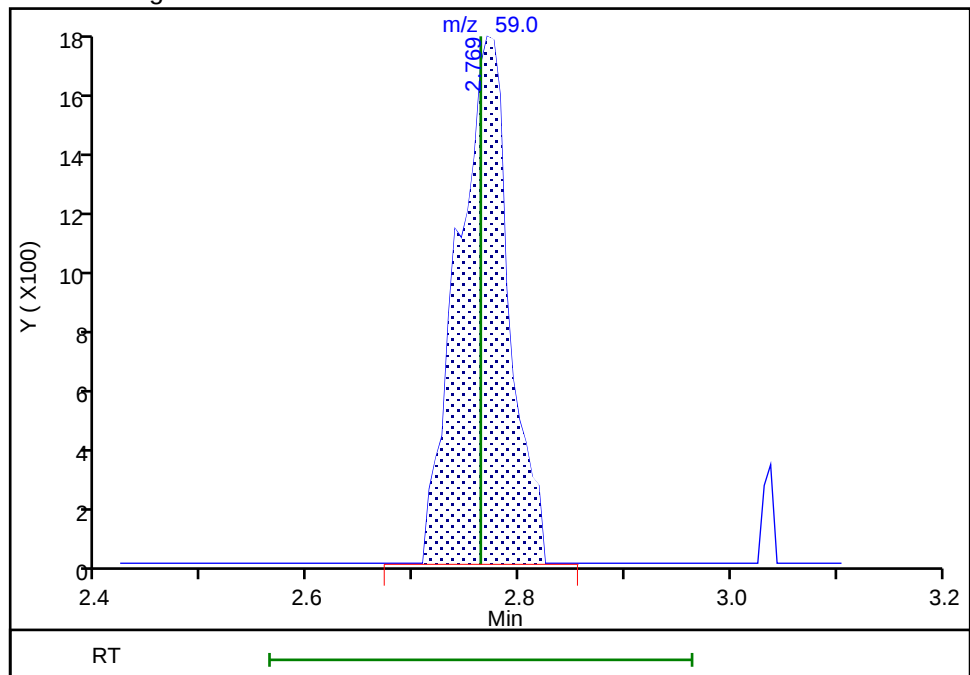
RT: 2.77
Area: 4951
Amount: 0.178670
Amount Units: ug/l

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

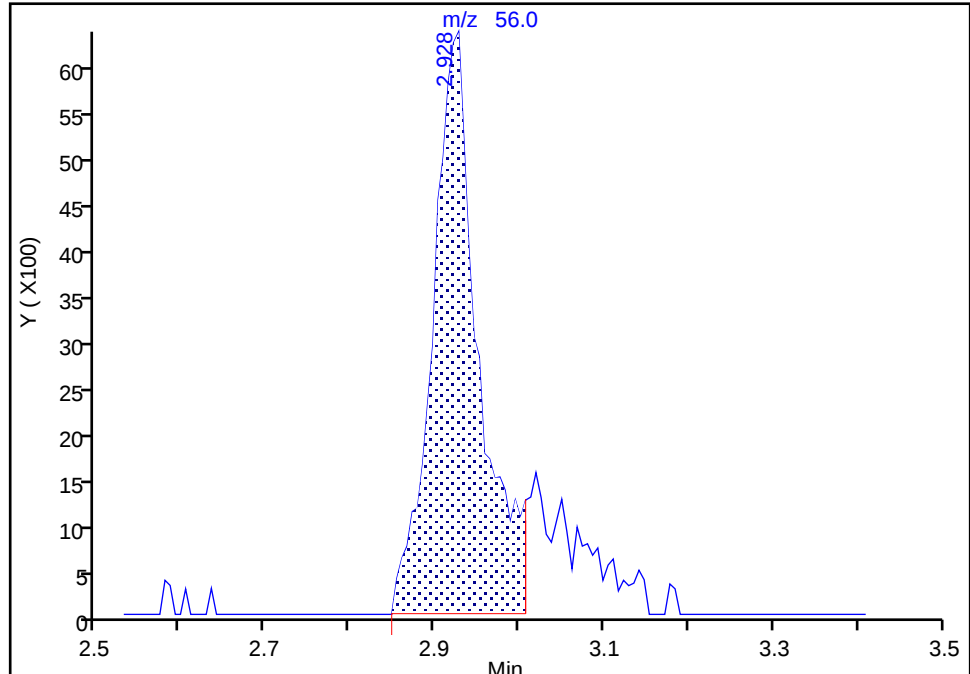
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Injection Date: 03-Dec-2024 16:05:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm i.d.) Detector: MS Quad

17 Acrolein, CAS: 107-02-8

Signal: 1

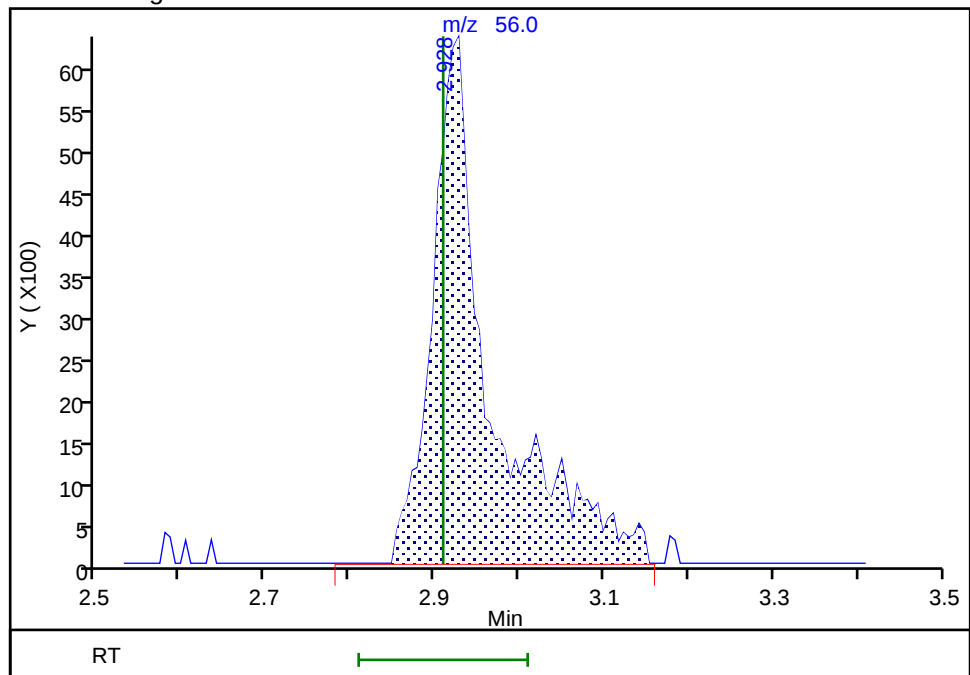
RT: 2.93
Area: 24096
Amount: 8.172303
Amount Units: ug/l

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

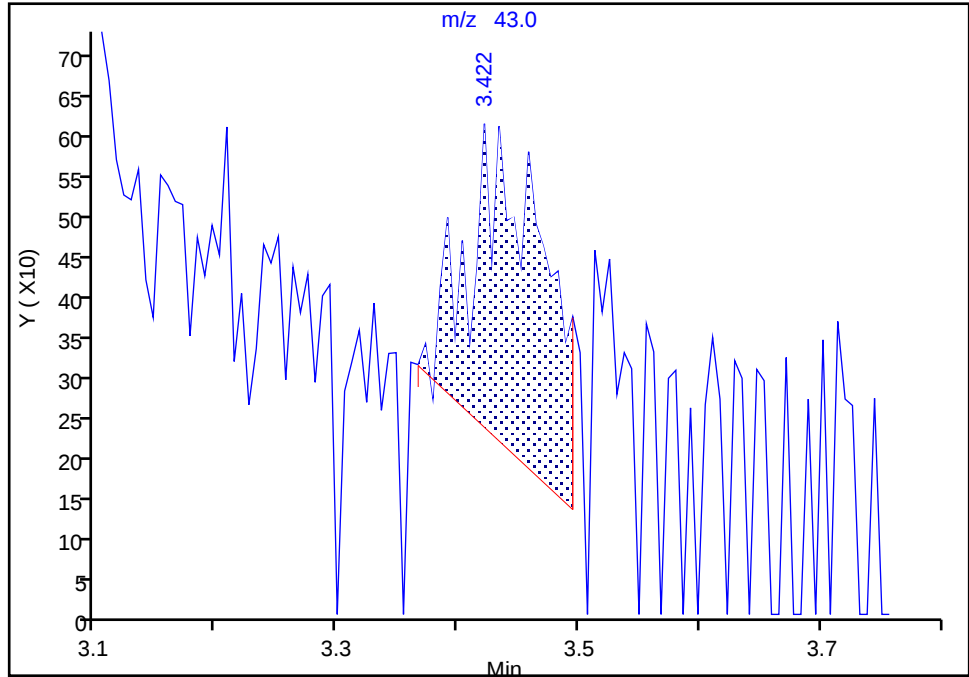
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Injection Date: 03-Dec-2024 16:05:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

25 Methyl acetate, CAS: 79-20-9

Signal: 1

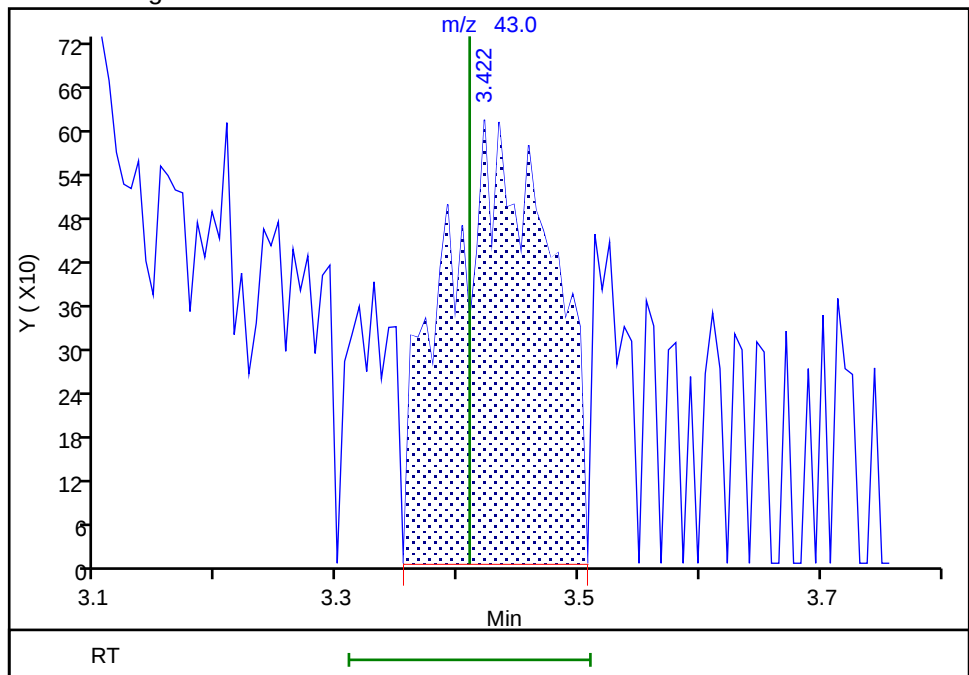
RT: 3.42
Area: 1713
Amount: 0.157749
Amount Units: ug/l

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

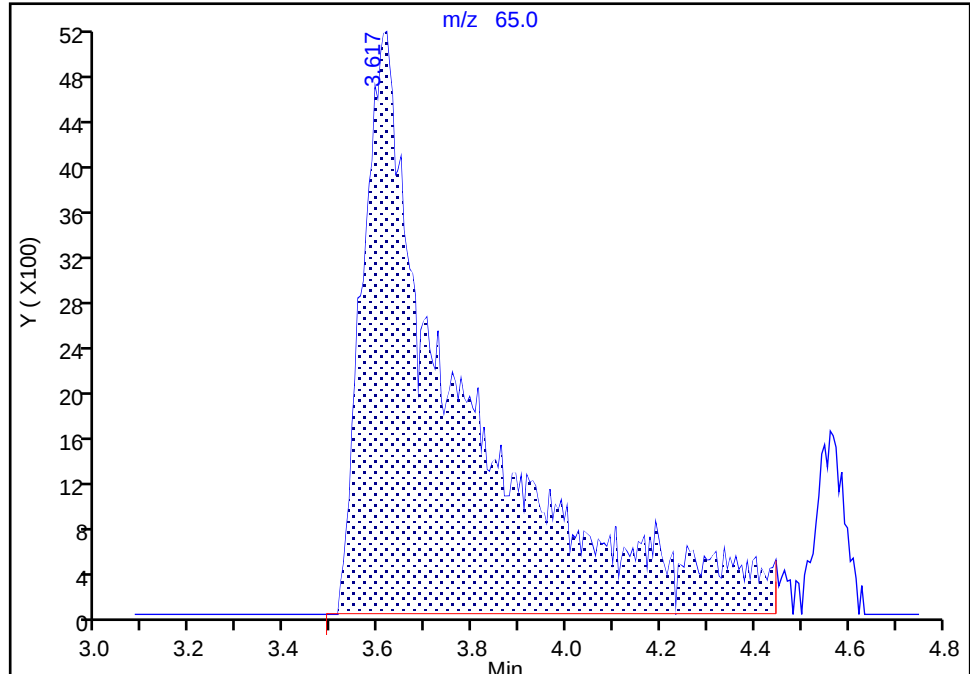
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Injection Date: 03-Dec-2024 16:05:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm i.d.) Detector: MS Quad

* 30 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

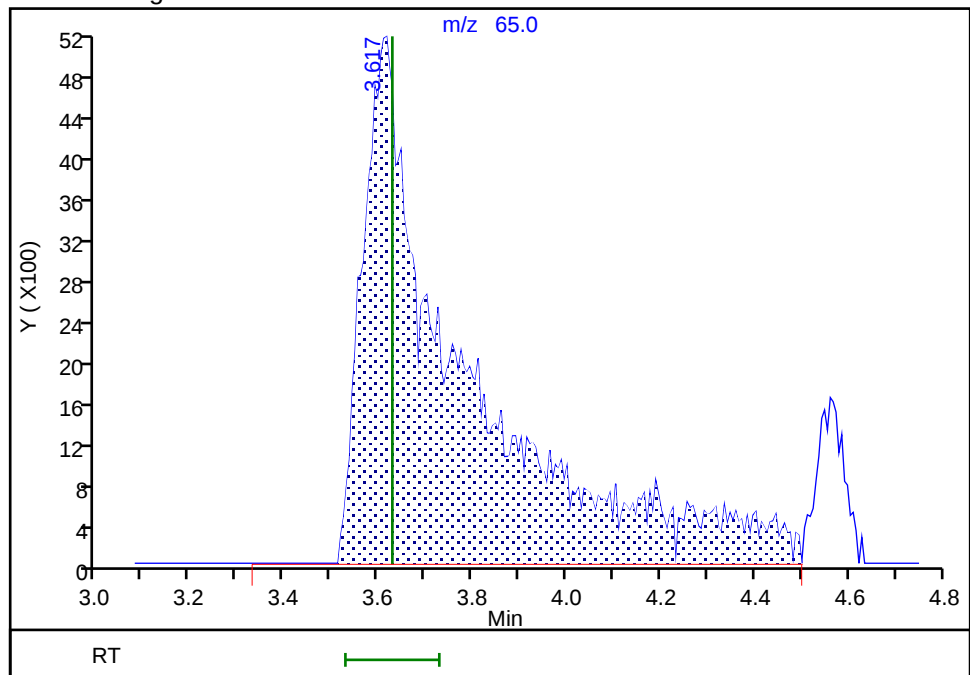
RT: 3.62
Area: 74378
Amount: 49.998300
Amount Units: ug/l

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

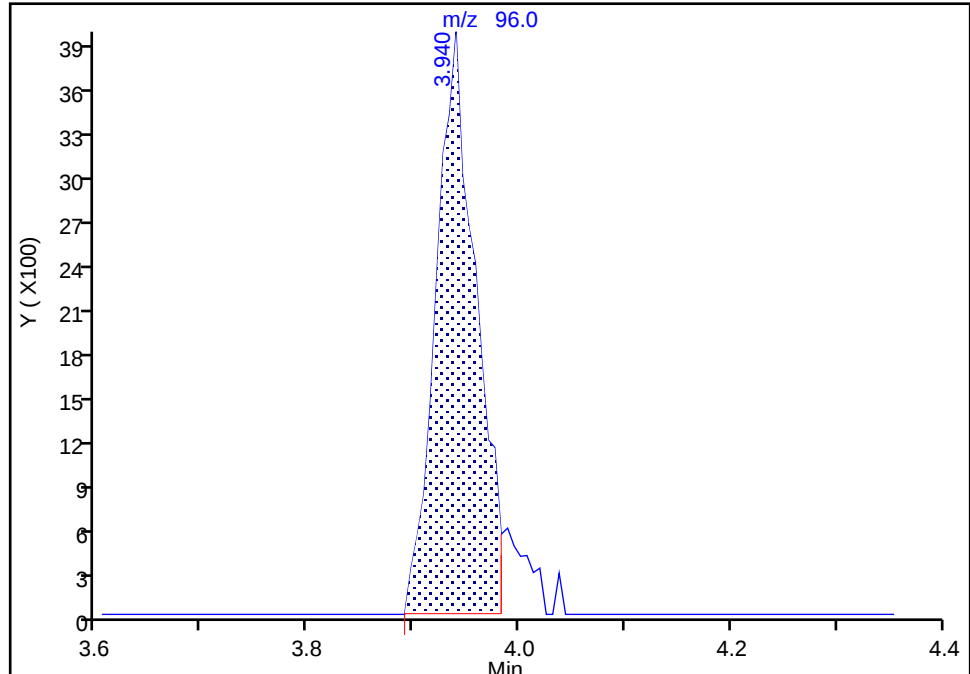
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Injection Date: 03-Dec-2024 16:05:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

34 trans-1,2-Dichloroethene, CAS: 156-60-5

Signal: 1

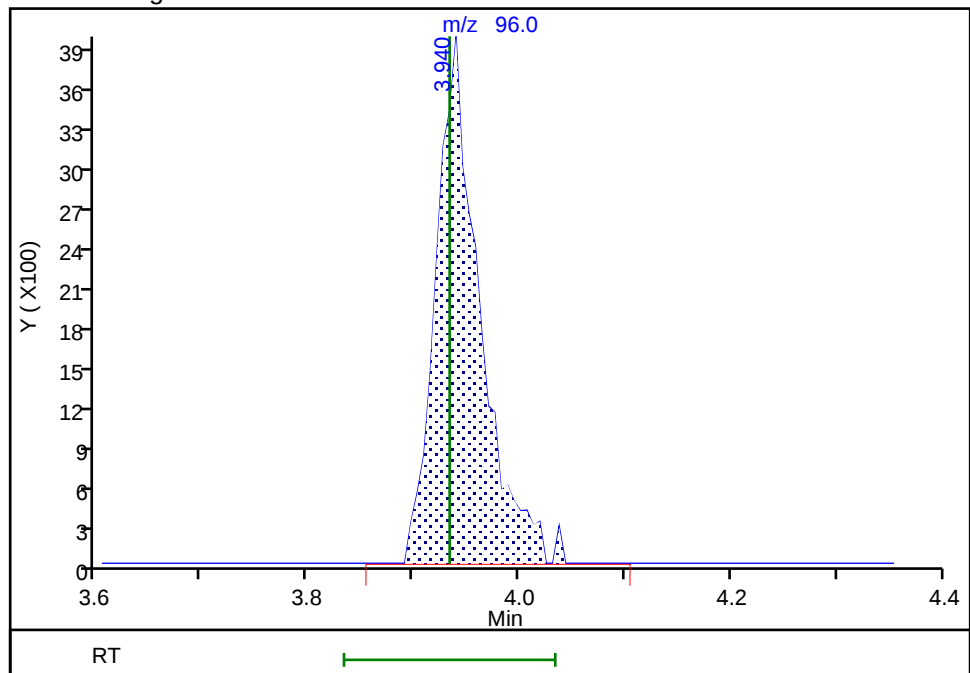
RT: 3.94
Area: 10348
Amount: 0.196298
Amount Units: ug/l

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

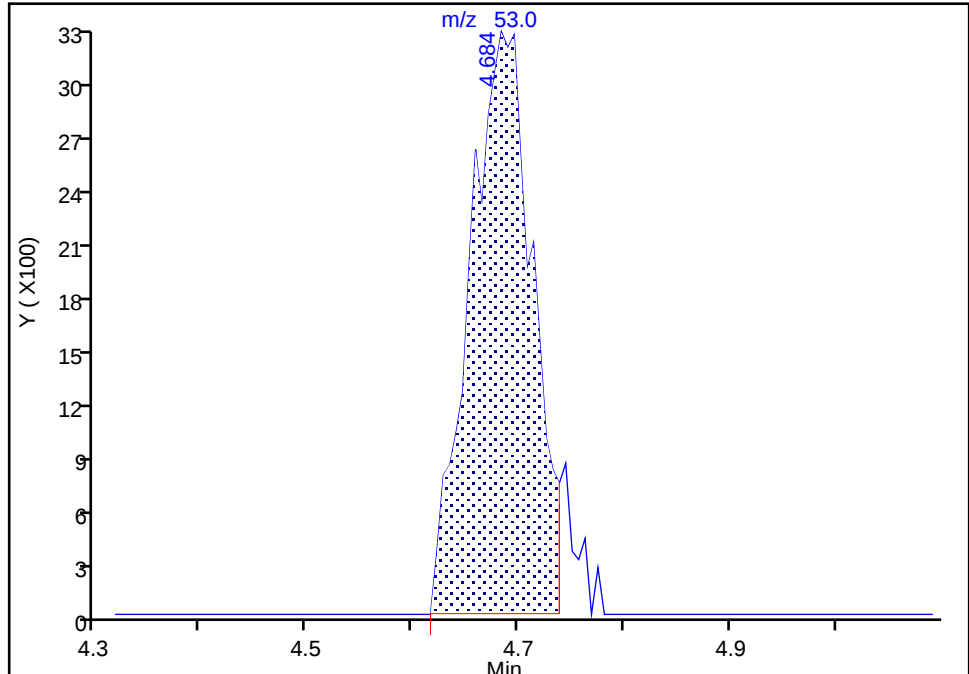
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Injection Date: 03-Dec-2024 16:05:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

39 2-Chloro-1,3-butadiene, CAS: 126-99-8

Signal: 1

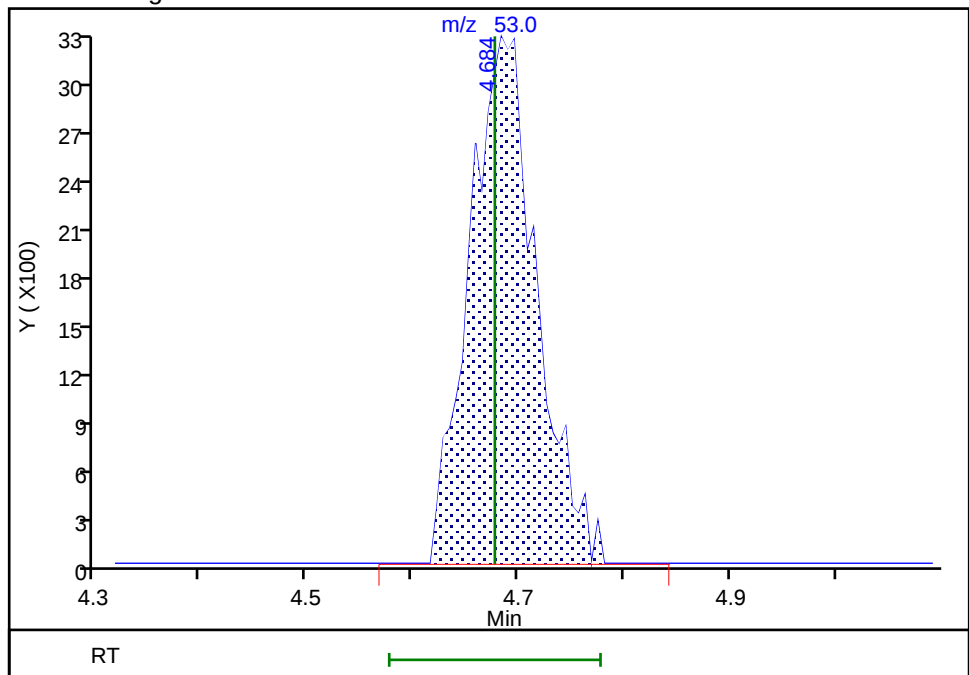
RT: 4.68
Area: 13457
Amount: 0.181601
Amount Units: ug/l

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

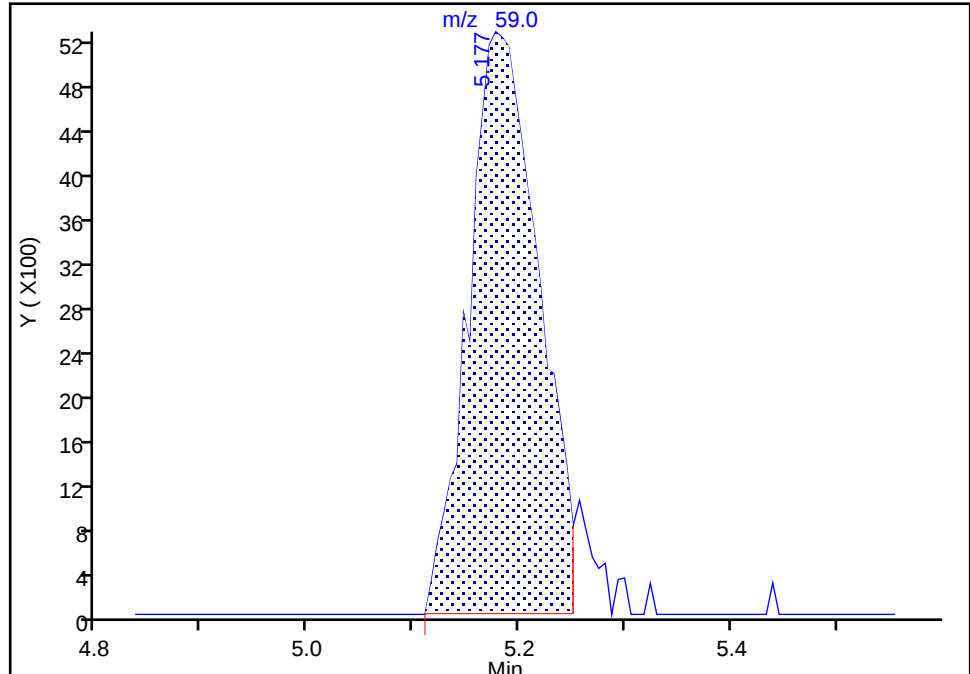
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Injection Date: 03-Dec-2024 16:05:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

40 Tert-butyl ethyl ether, CAS: 637-92-3

Signal: 1

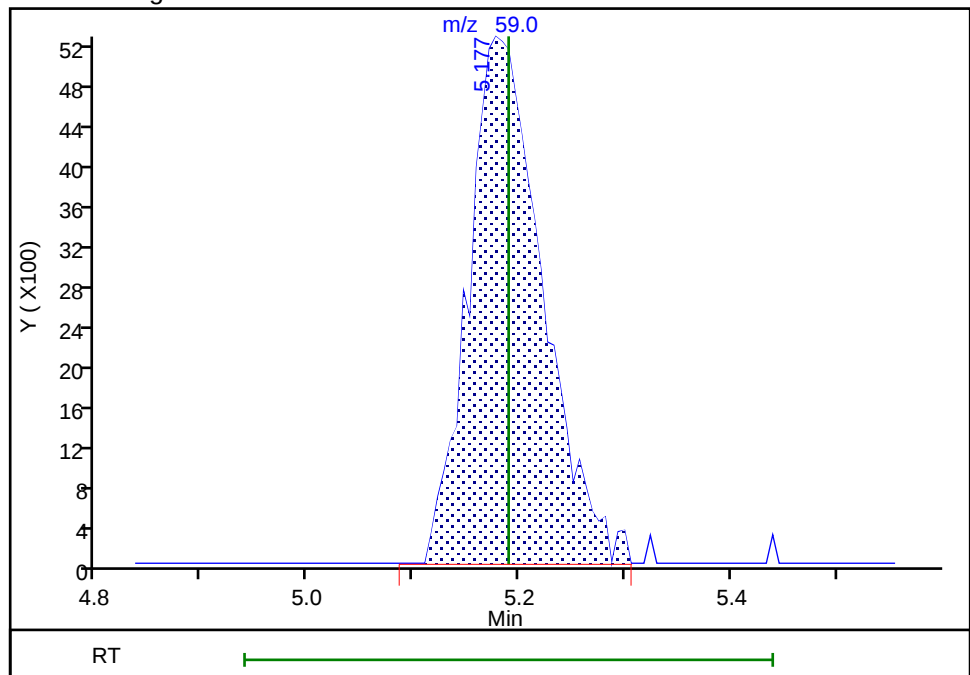
RT: 5.18
Area: 24239
Amount: 0.180785
Amount Units: ug/l

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

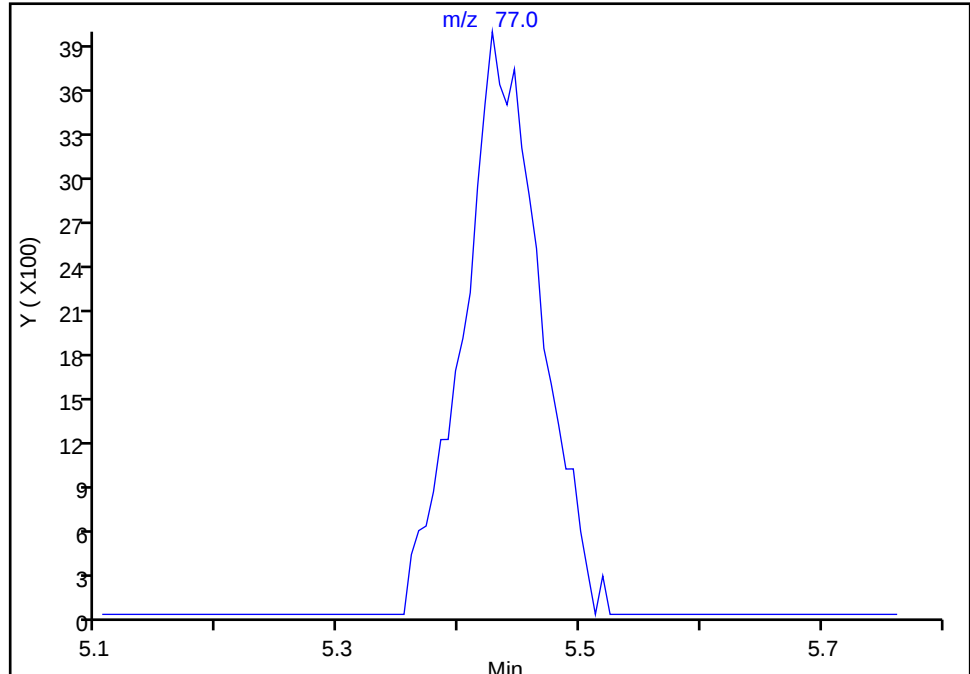
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Injection Date: 03-Dec-2024 16:05:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

43 2,2-Dichloropropane, CAS: 594-20-7

Signal: 1

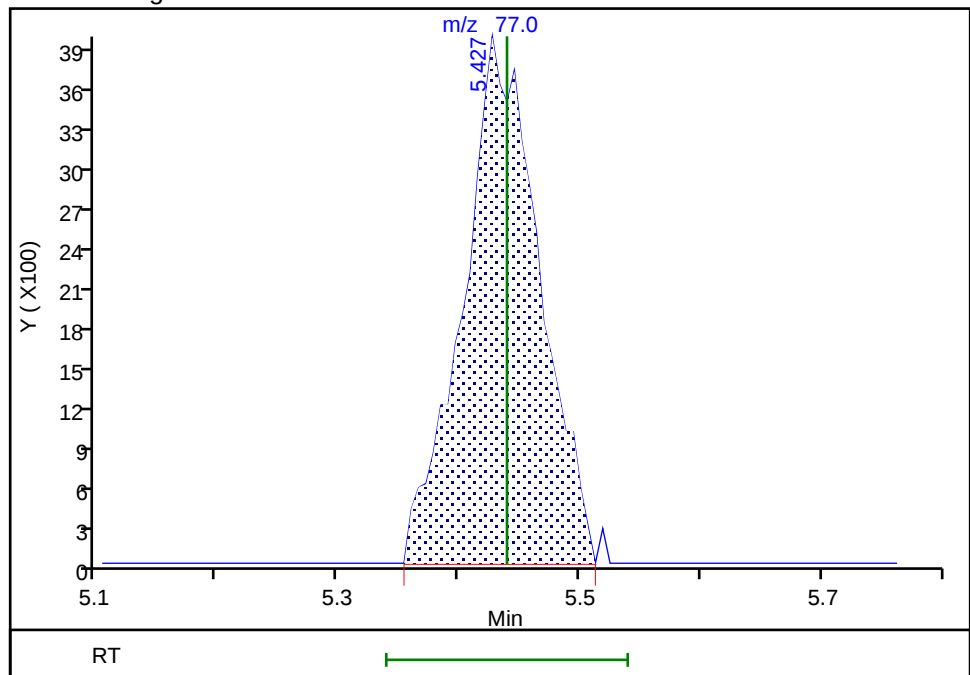
Not Detected
Expected RT: 5.44

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

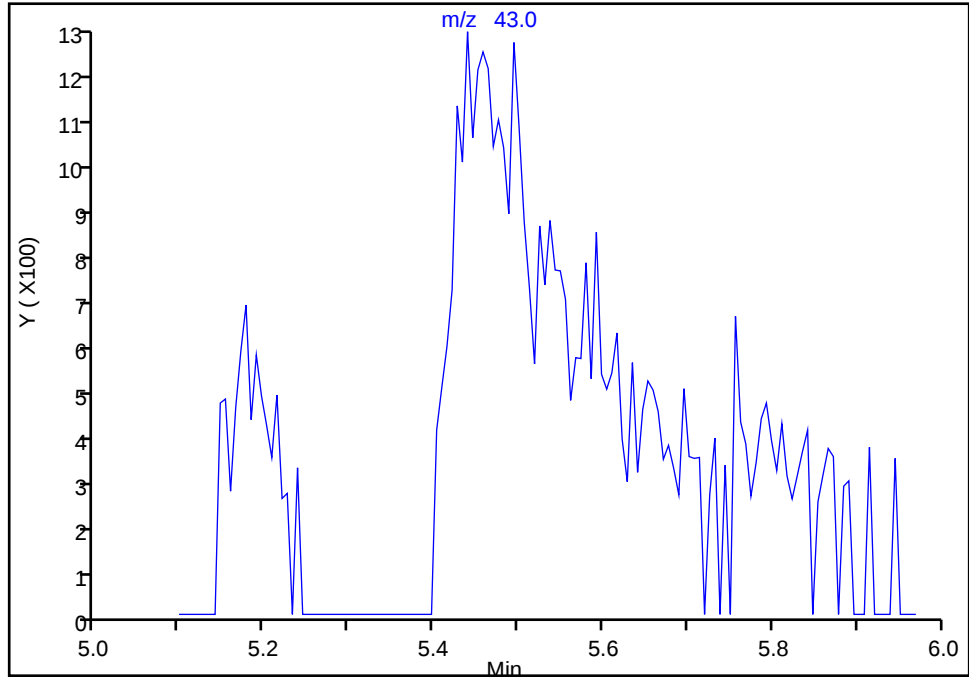
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Injection Date: 03-Dec-2024 16:05:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) MS Quad

41 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

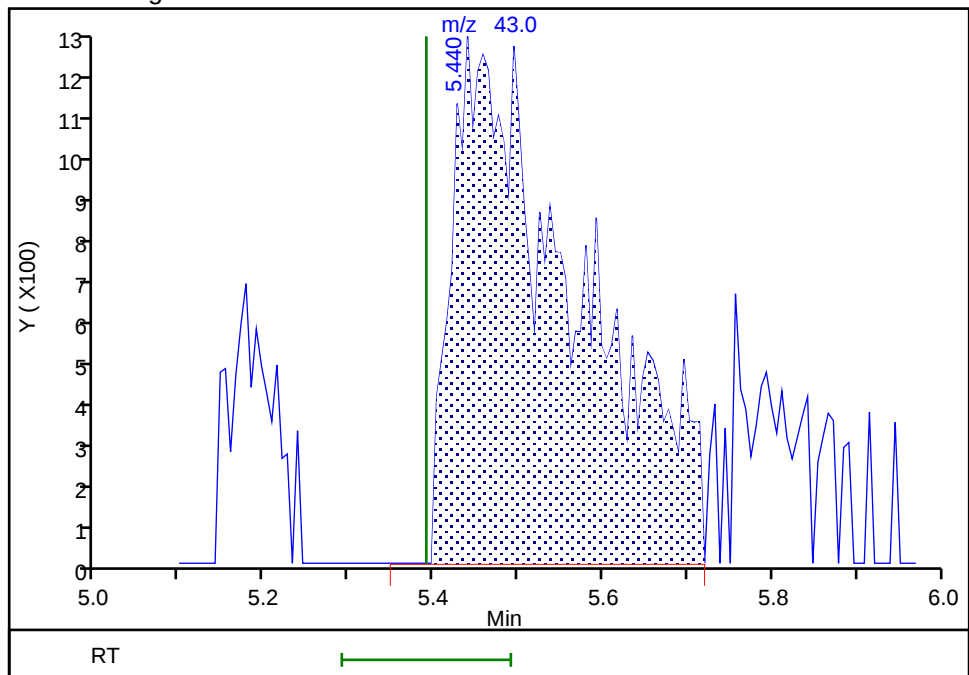
Not Detected
Expected RT: 5.39

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

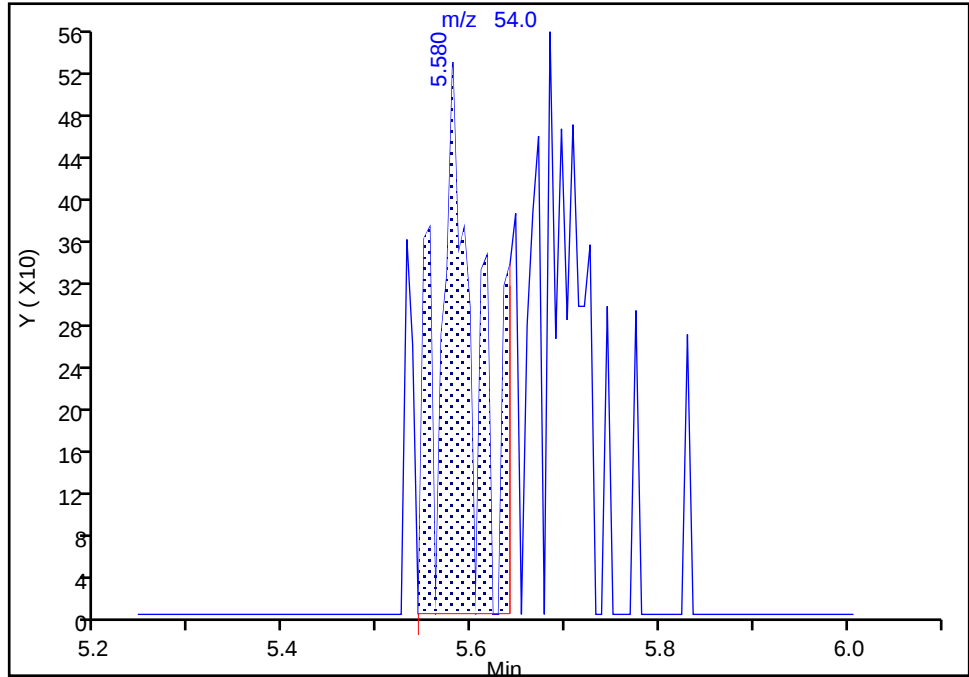
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Injection Date: 03-Dec-2024 16:05:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

45 Propionitrile, CAS: 107-12-0

Signal: 1

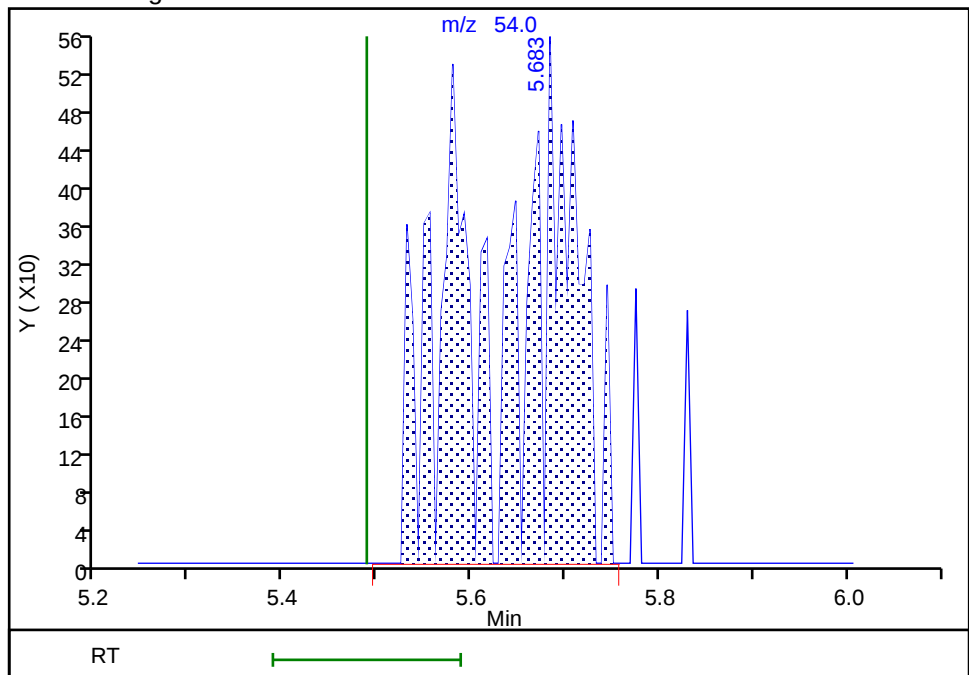
RT: 5.58
Area: 1532
Amount: 4.930111
Amount Units: ug/l

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

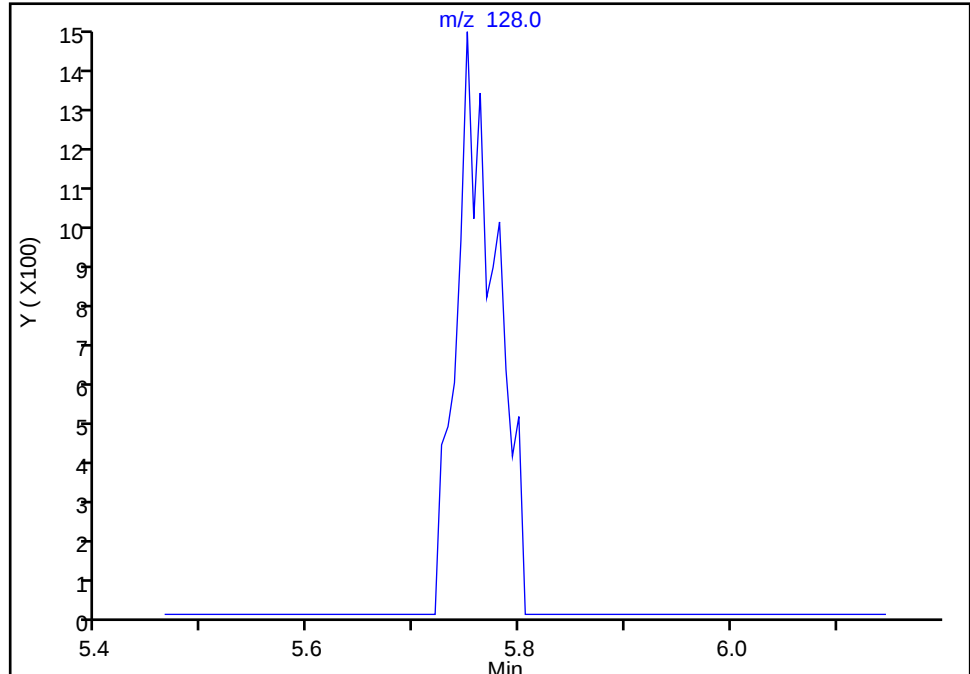
Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X12.D
Injection Date: 03-Dec-2024 16:05:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

49 Chlorobromomethane, CAS: 74-97-5

Signal: 1

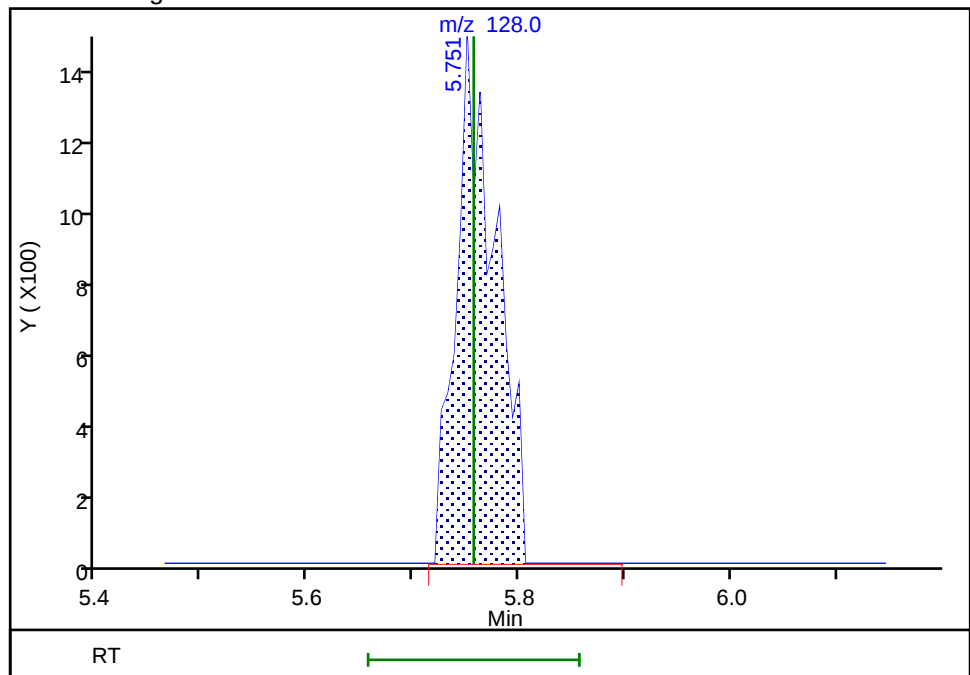
Not Detected
Expected RT: 5.76

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

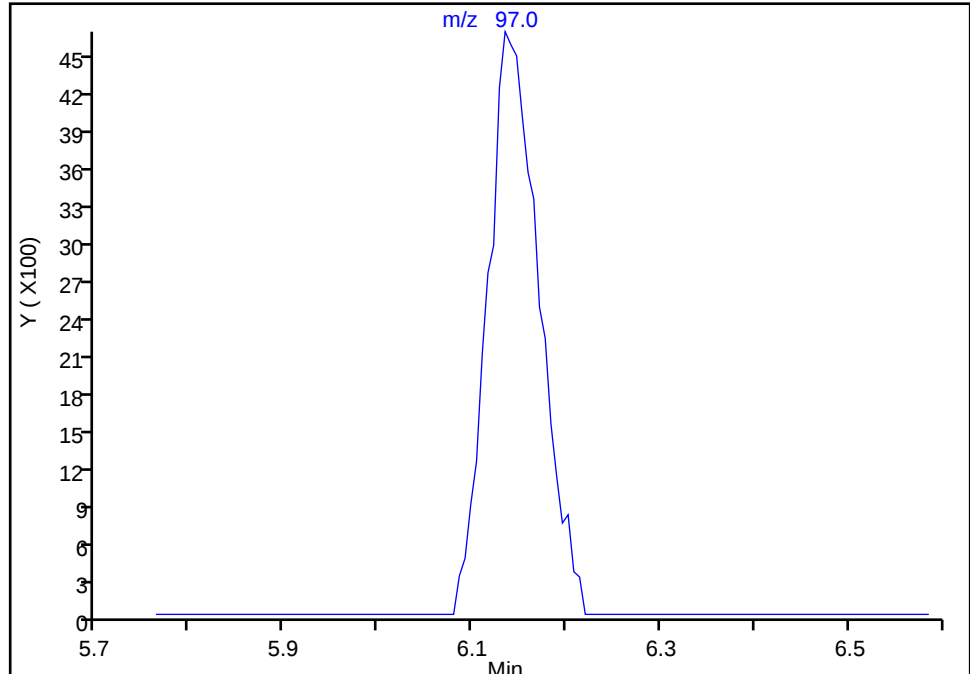
Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X12.D
Injection Date: 03-Dec-2024 16:05:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

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

Signal: 1

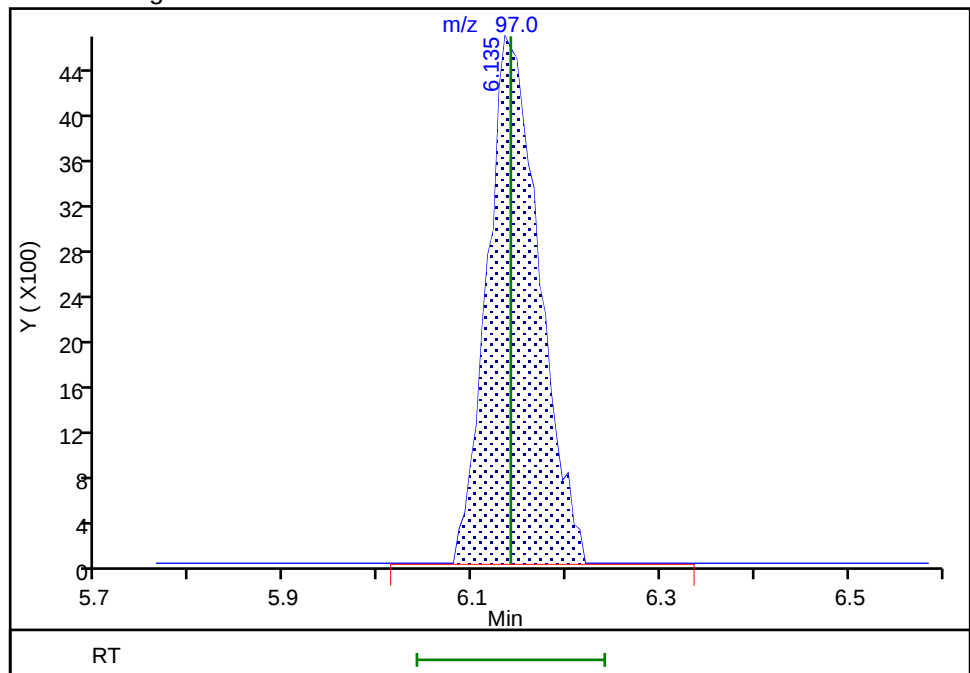
Not Detected
Expected RT: 6.14

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

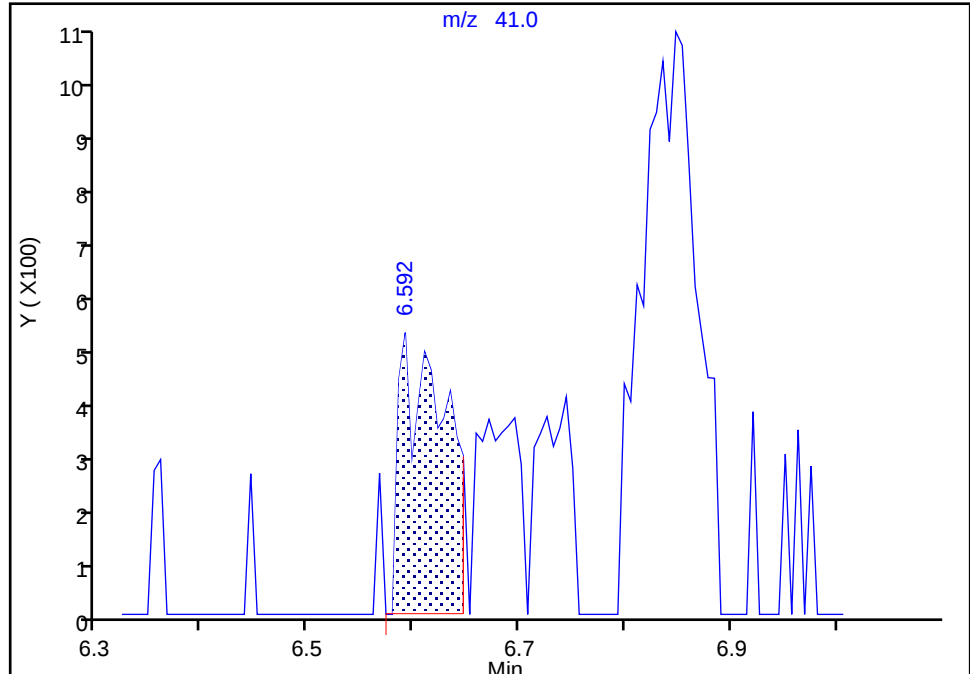
Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X12.D
Injection Date: 03-Dec-2024 16:05:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

58 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

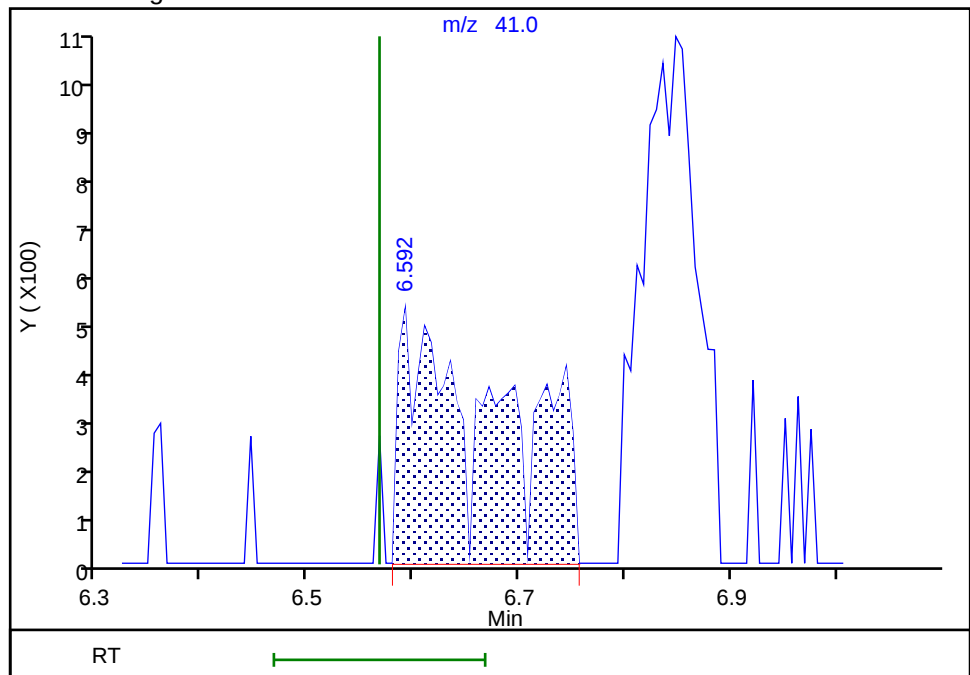
RT: 6.59
Area: 1547
Amount: 5.338186
Amount Units: ug/l

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

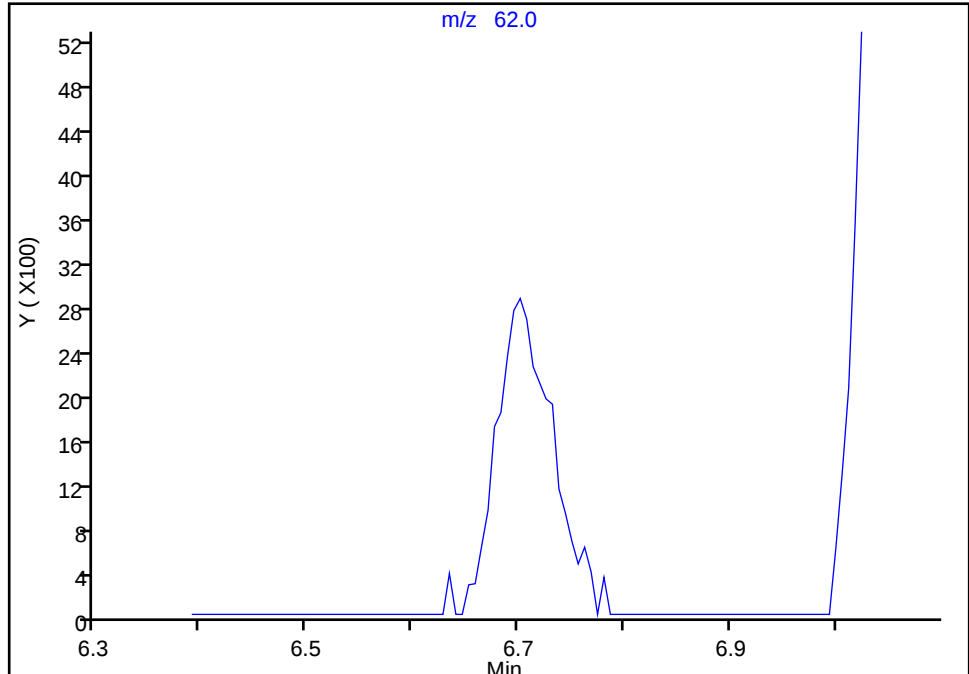
Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X12.D
Injection Date: 03-Dec-2024 16:05:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

61 1,2-Dichloroethane, CAS: 107-06-2

Signal: 1

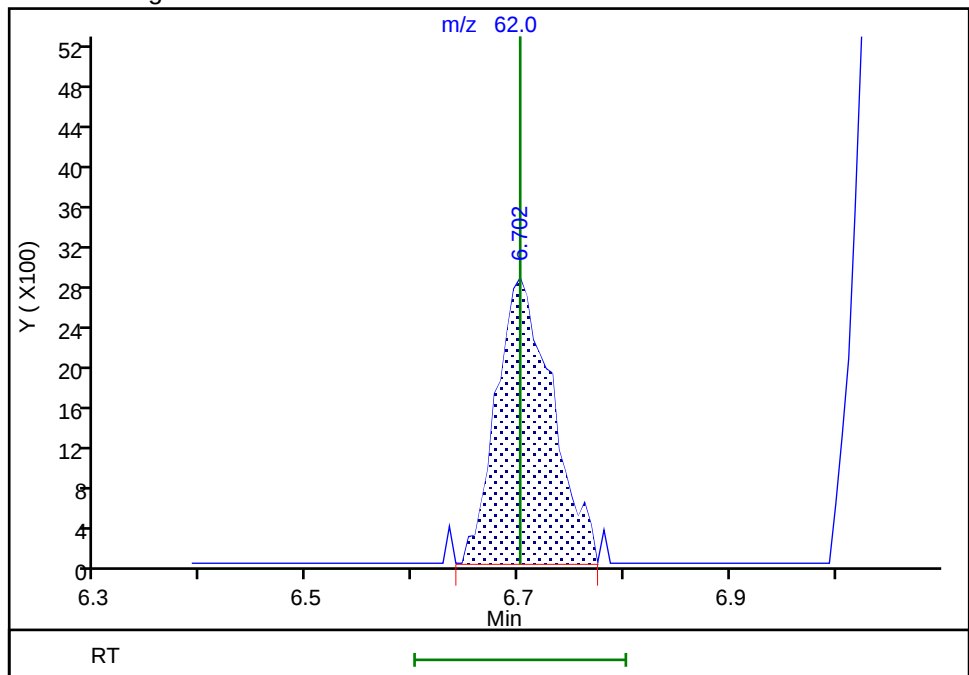
Not Detected
Expected RT: 6.70

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

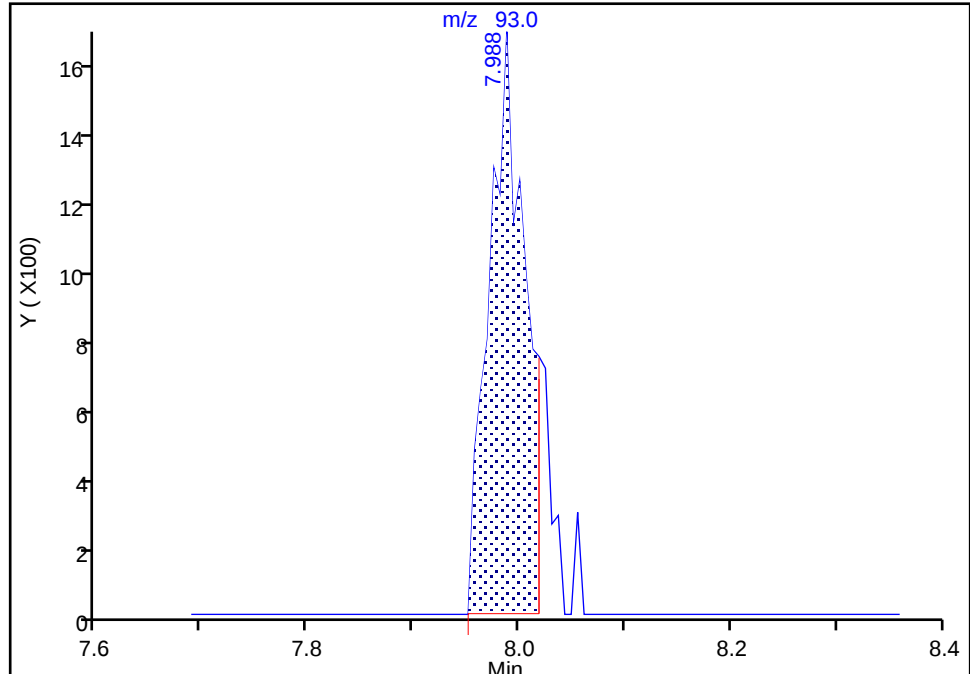
Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X12.D
Injection Date: 03-Dec-2024 16:05:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm i.d.) Detector: MS Quad

74 Dibromomethane, CAS: 74-95-3

Signal: 1

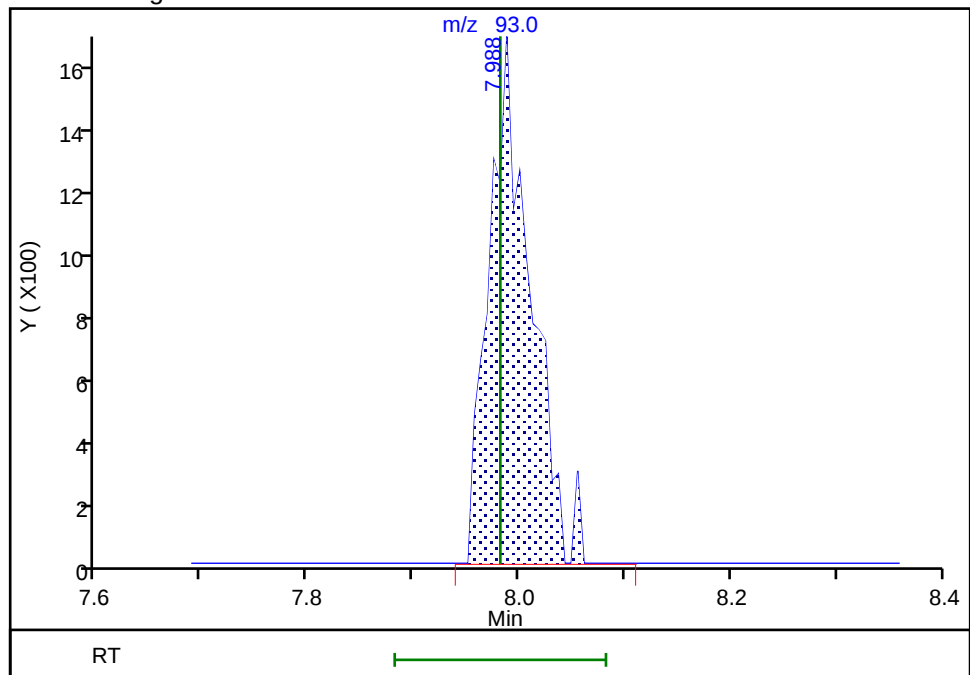
RT: 7.99
Area: 3885
Amount: 0.176599
Amount Units: ug/l

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

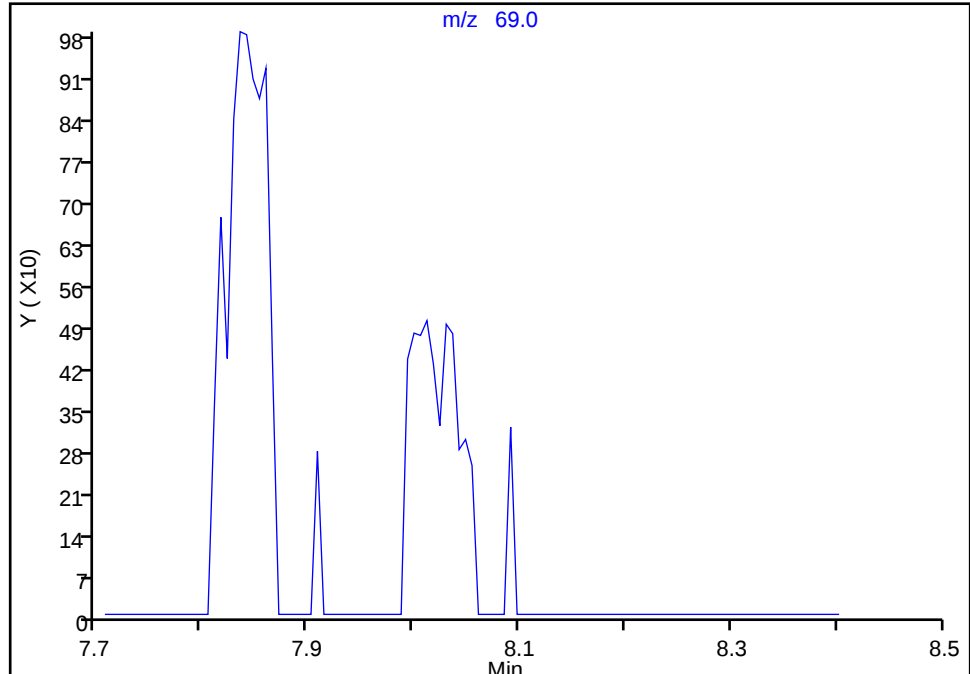
Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X12.D
Injection Date: 03-Dec-2024 16:05:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

72 Methyl methacrylate, CAS: 80-62-6

Signal: 1

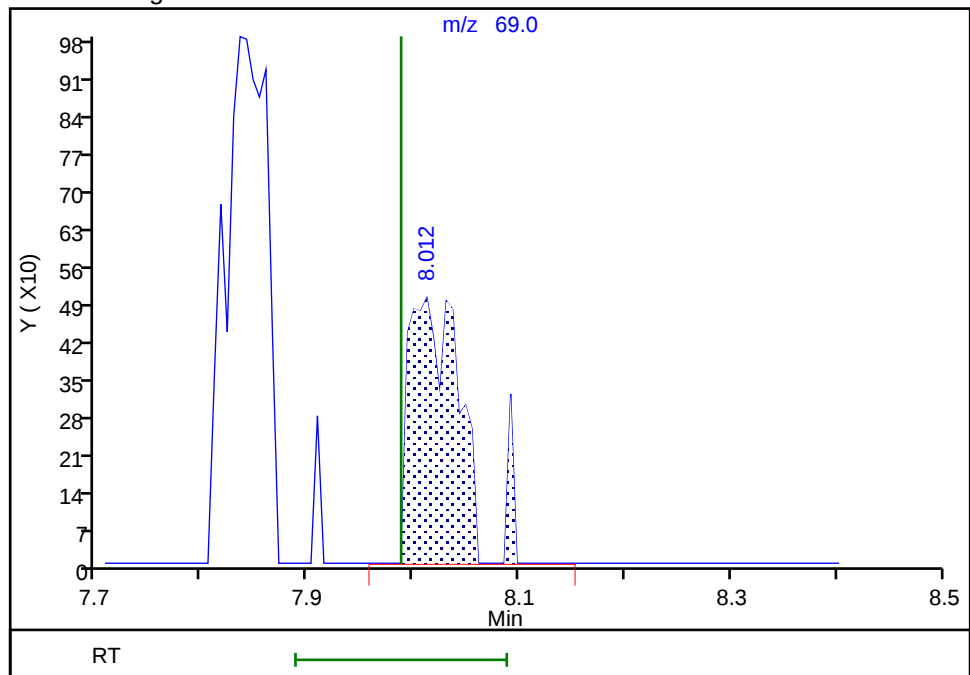
Not Detected
Expected RT: 7.99

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

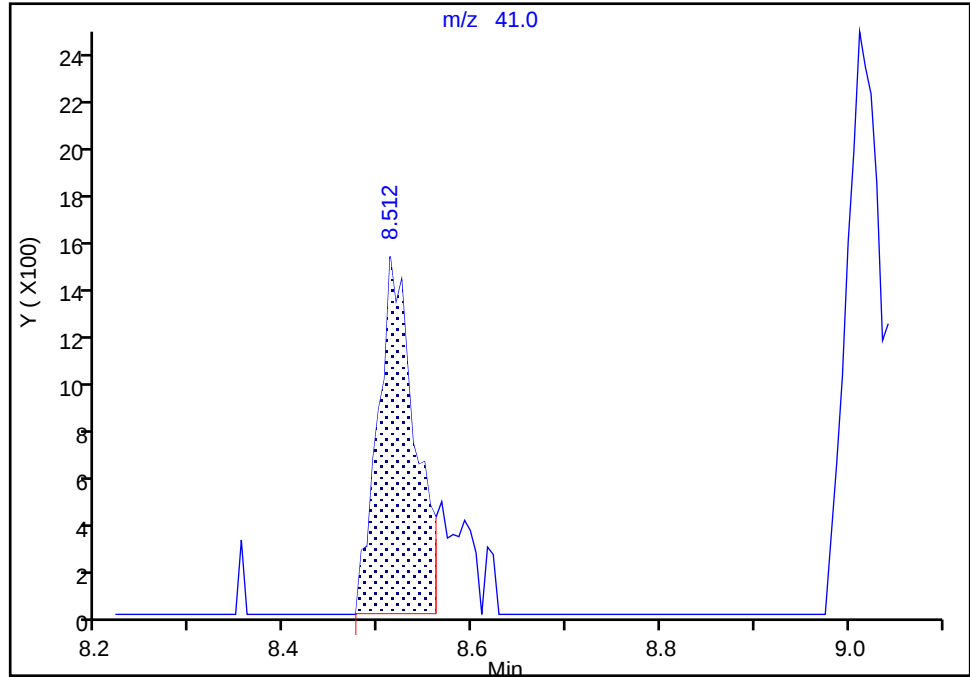
Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X12.D
Injection Date: 03-Dec-2024 16:05:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

77 2-Nitropropane, CAS: 79-46-9

Signal: 1

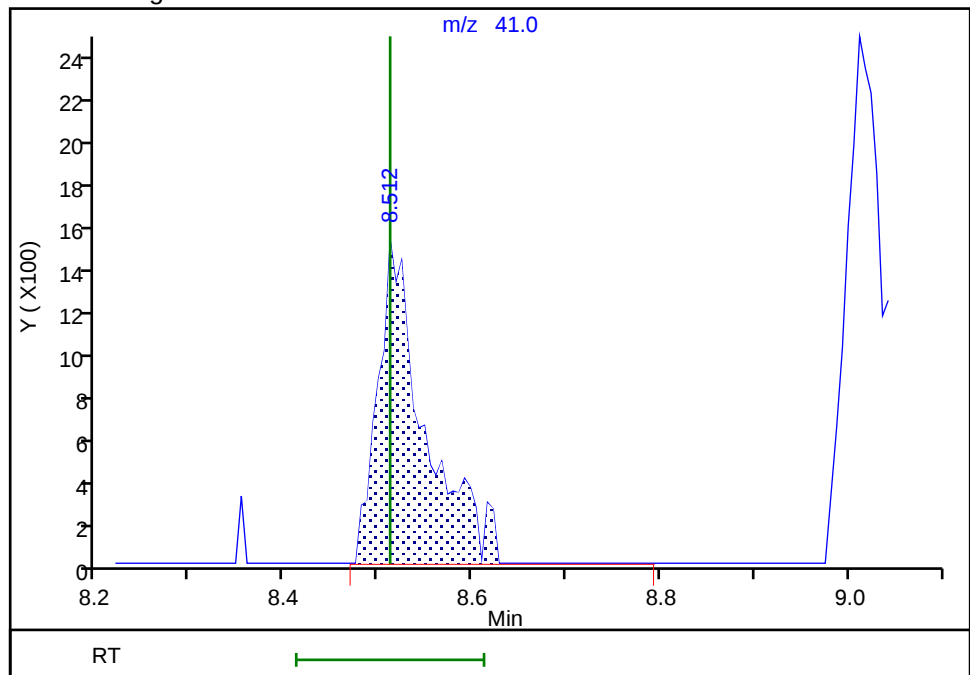
RT: 8.51
Area: 4110
Amount: 0.921454
Amount Units: ug/l

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

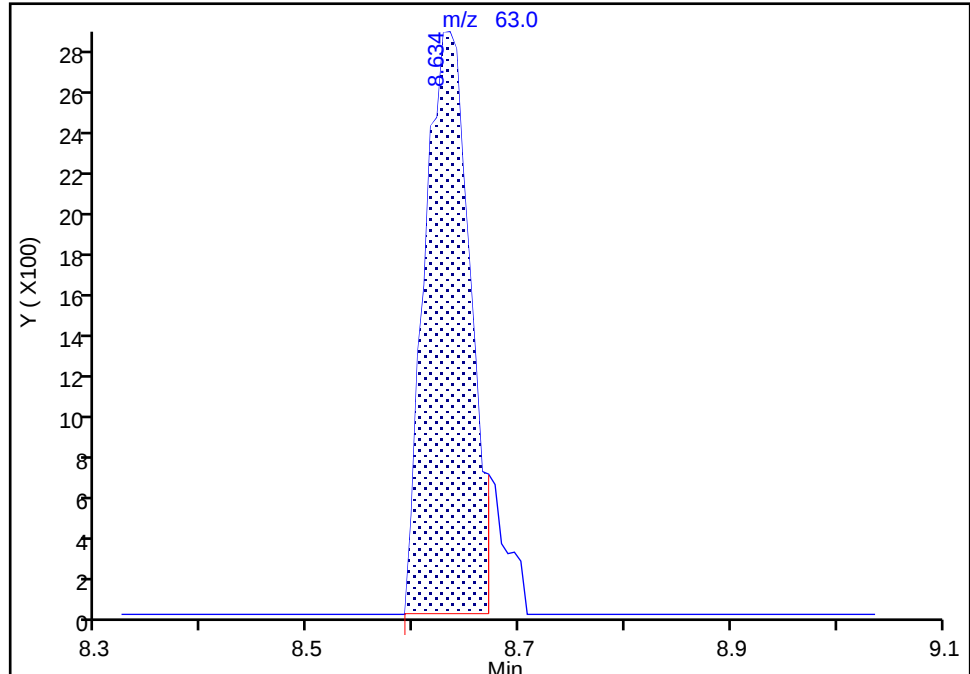
Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X12.D
Injection Date: 03-Dec-2024 16:05:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

79 1-Bromo-2-chloroethane, CAS: 107-04-0

Signal: 1

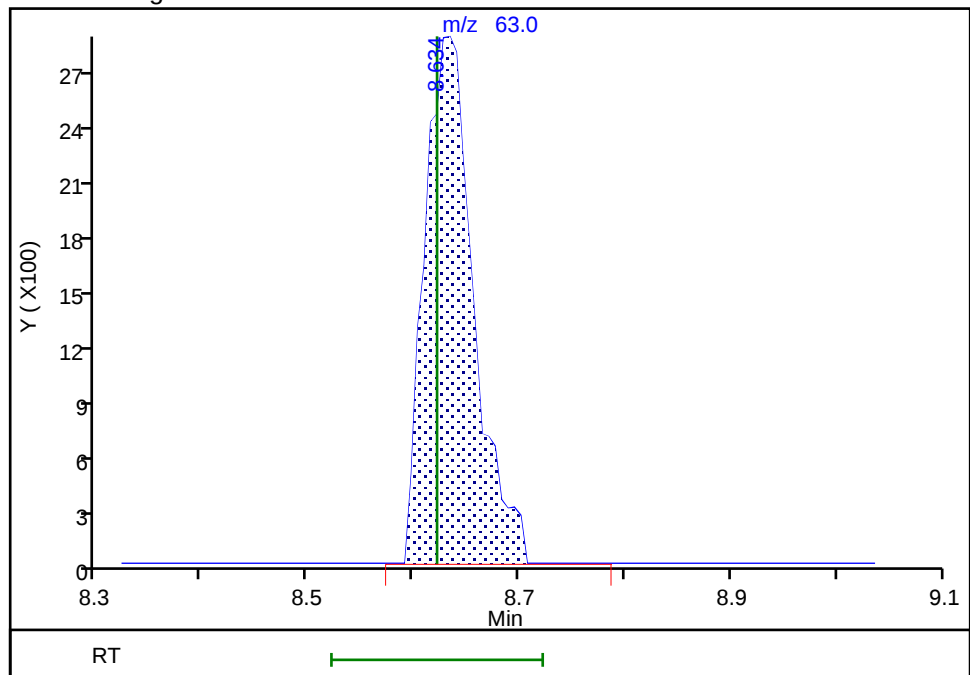
RT: 8.63
Area: 8345
Amount: 0.179647
Amount Units: ug/l

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

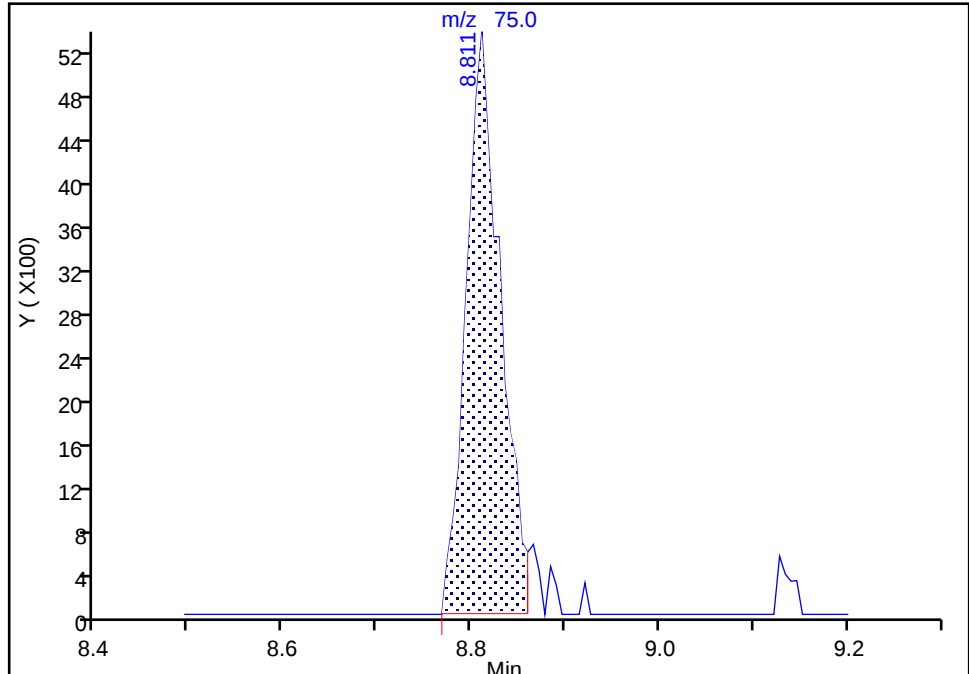
Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X12.D
Injection Date: 03-Dec-2024 16:05:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm i.d.) Detector: MS Quad

81 cis-1,3-Dichloropropene, CAS: 10061-01-5

Signal: 1

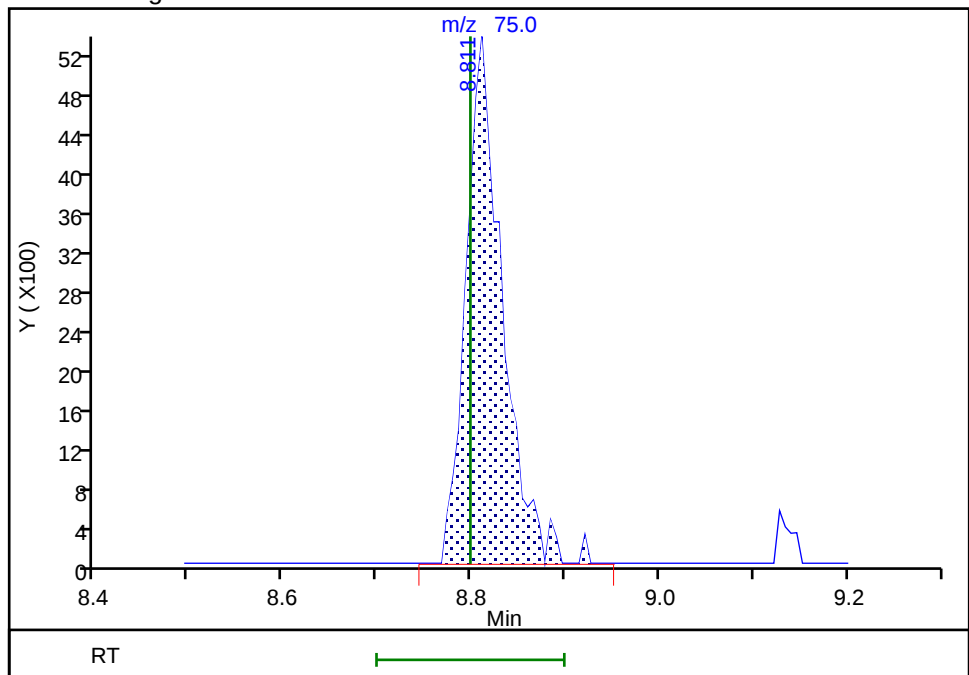
RT: 8.81
Area: 13491
Amount: 0.177092
Amount Units: ug/l

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

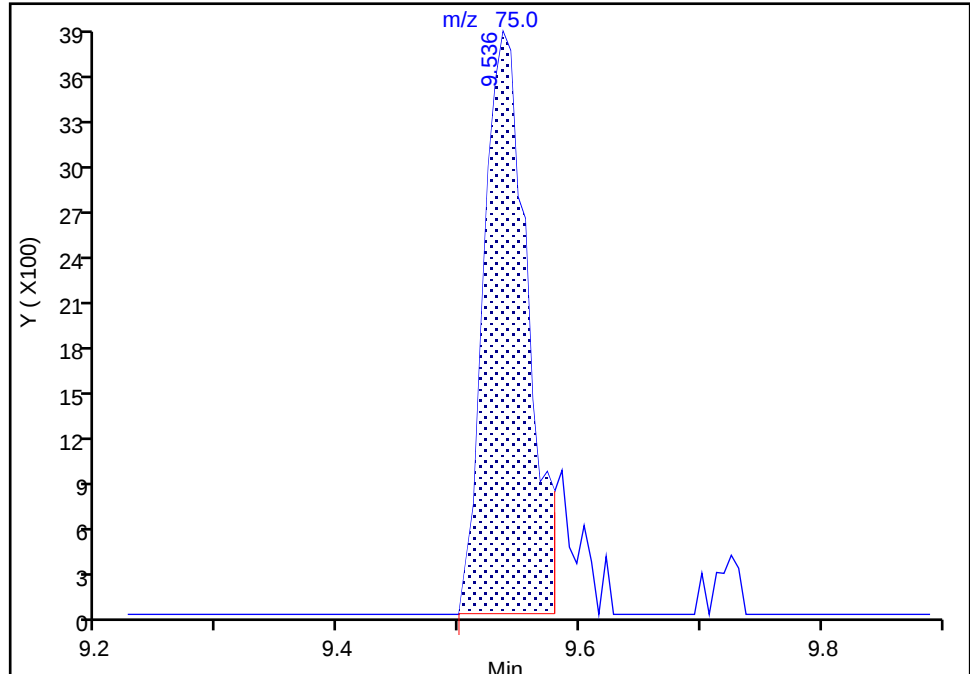
Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X12.D
Injection Date: 03-Dec-2024 16:05:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

85 trans-1,3-Dichloropropene, CAS: 10061-02-6

Signal: 1

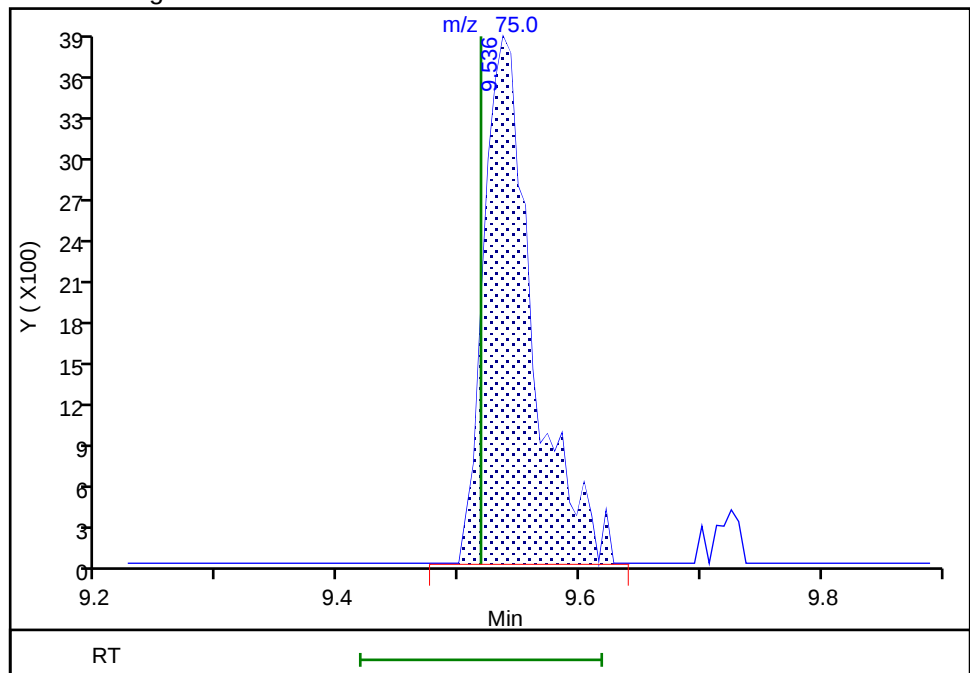
RT: 9.54
Area: 9729
Amount: 0.166815
Amount Units: ug/l

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

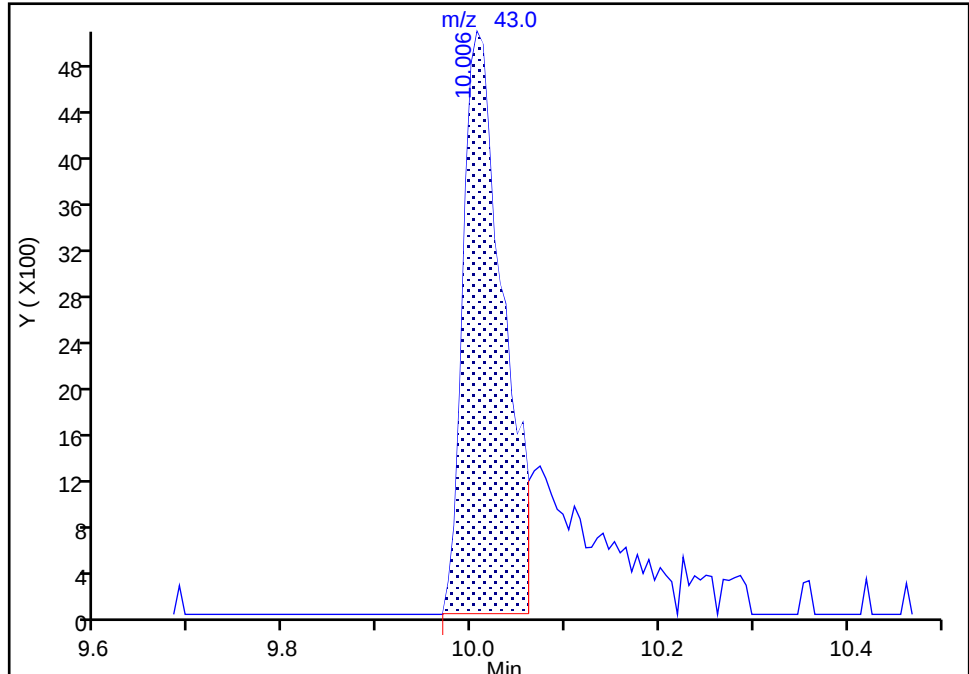
Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X12.D
Injection Date: 03-Dec-2024 16:05:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm i.d.) Detector: MS Quad

110 2-Hexanone, CAS: 591-78-6

Signal: 1

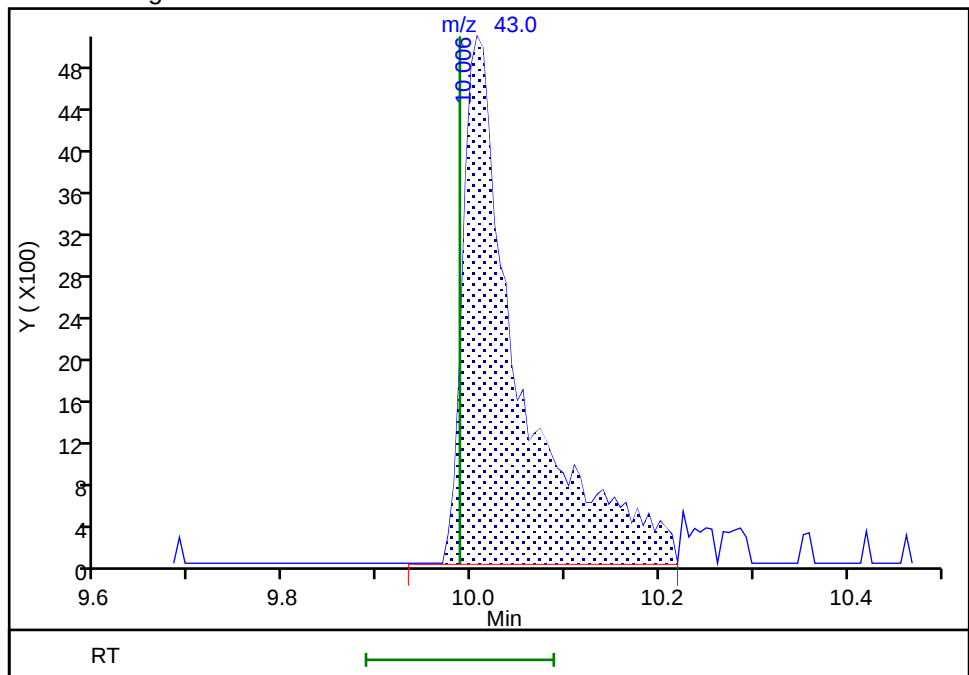
RT: 10.01
Area: 14958
Amount: 1.993668
Amount Units: ug/l

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

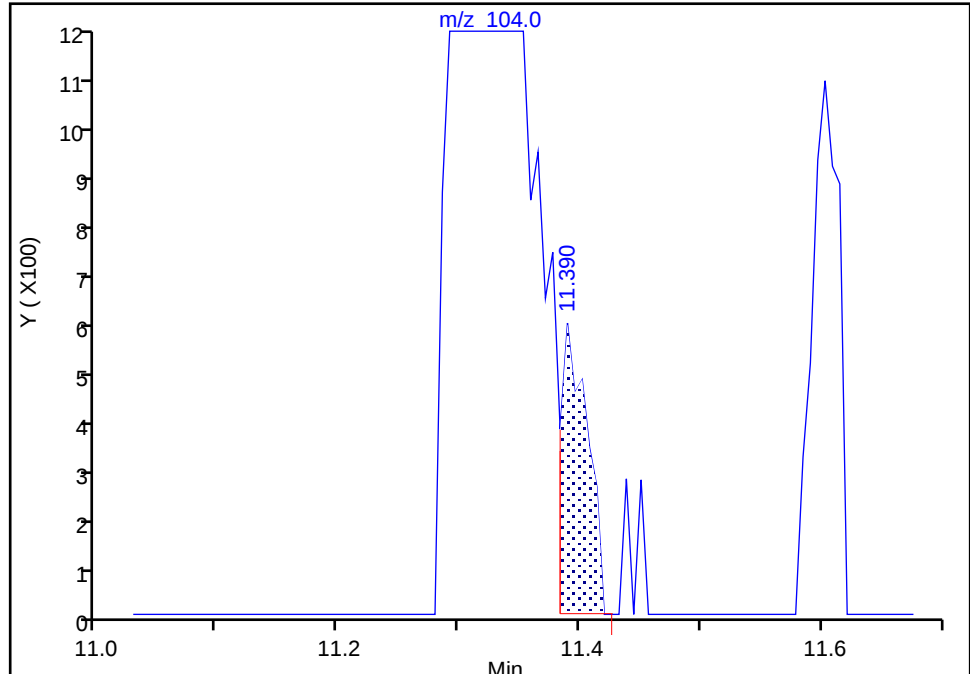
Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X12.D
Injection Date: 03-Dec-2024 16:05:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

122 Styrene, CAS: 100-42-5

Signal: 1

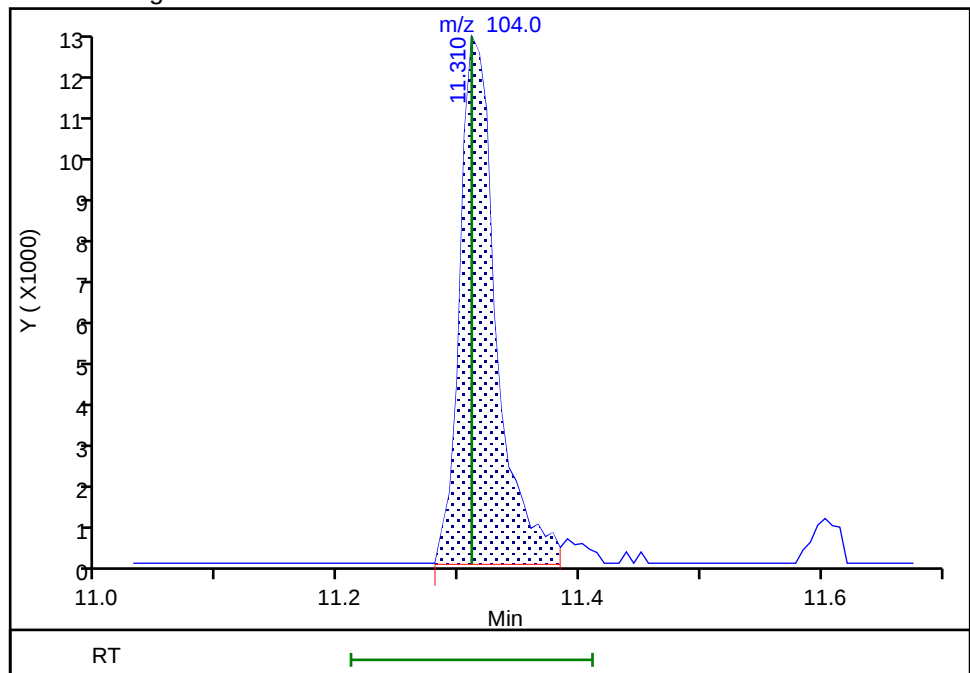
RT: 11.39
Area: 888
Amount: 0.230153
Amount Units: ug/l

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

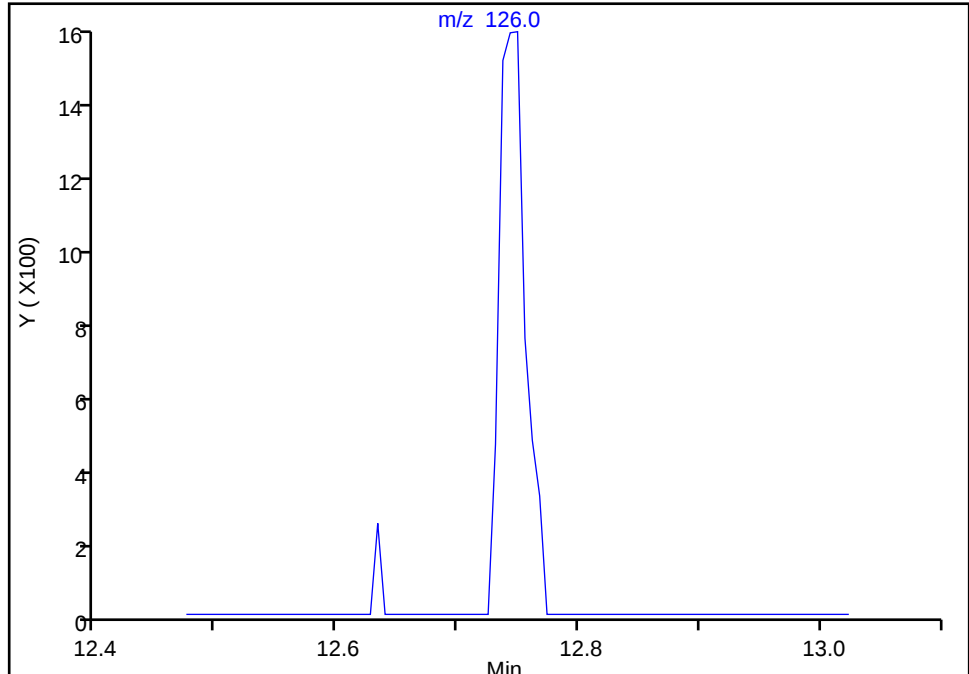
Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X12.D
Injection Date: 03-Dec-2024 16:05:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

145 Benzyl chloride, CAS: 100-44-7

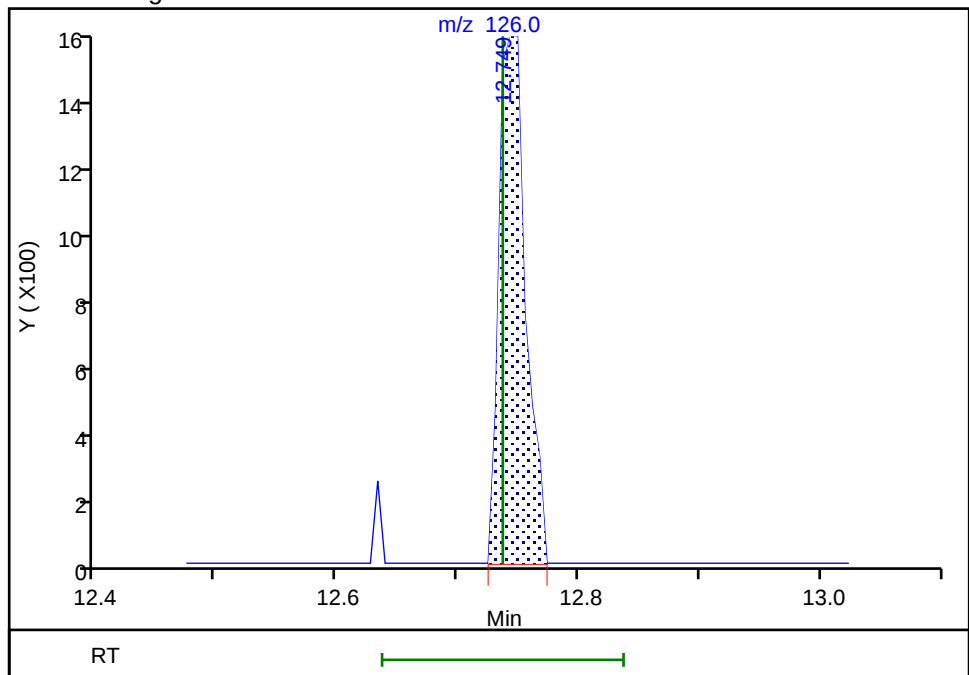
Signal: 1

Not Detected
Expected RT: 12.74

Processing Integration Results



Manual Integration Results



RT: 12.75
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

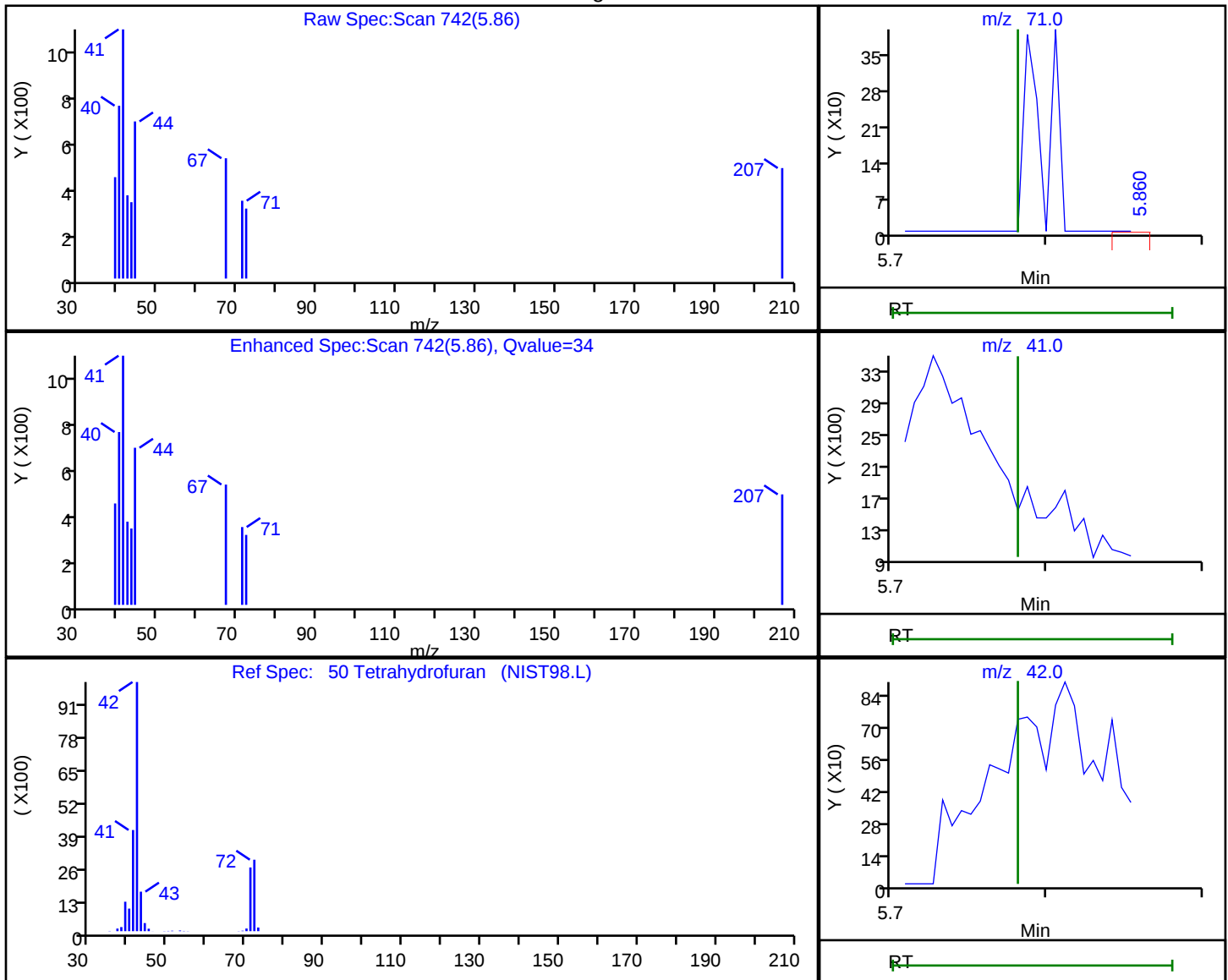
Audit Reason: Incomplete Integration

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 i.d.) 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

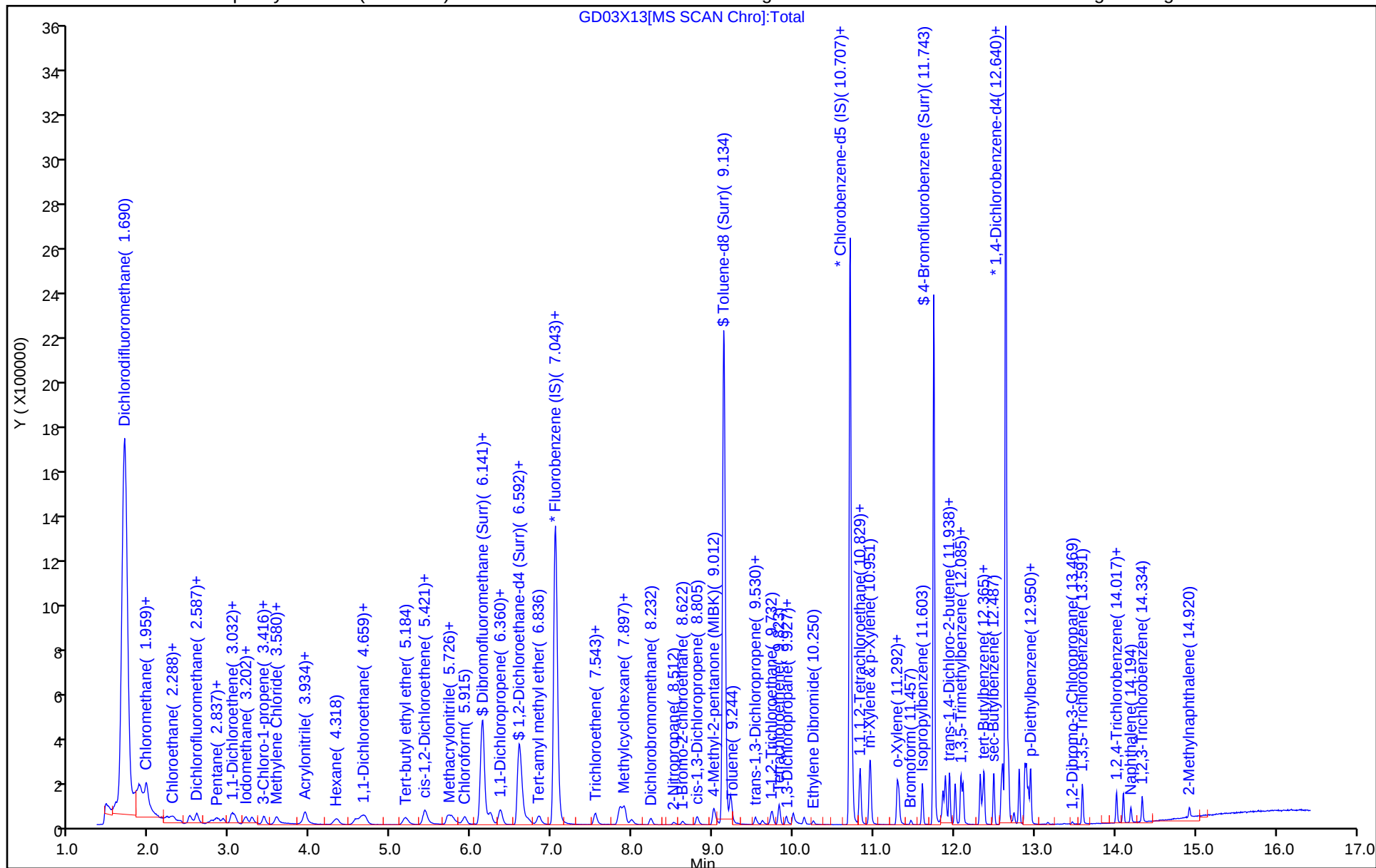
ALS Bottle#: 3

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

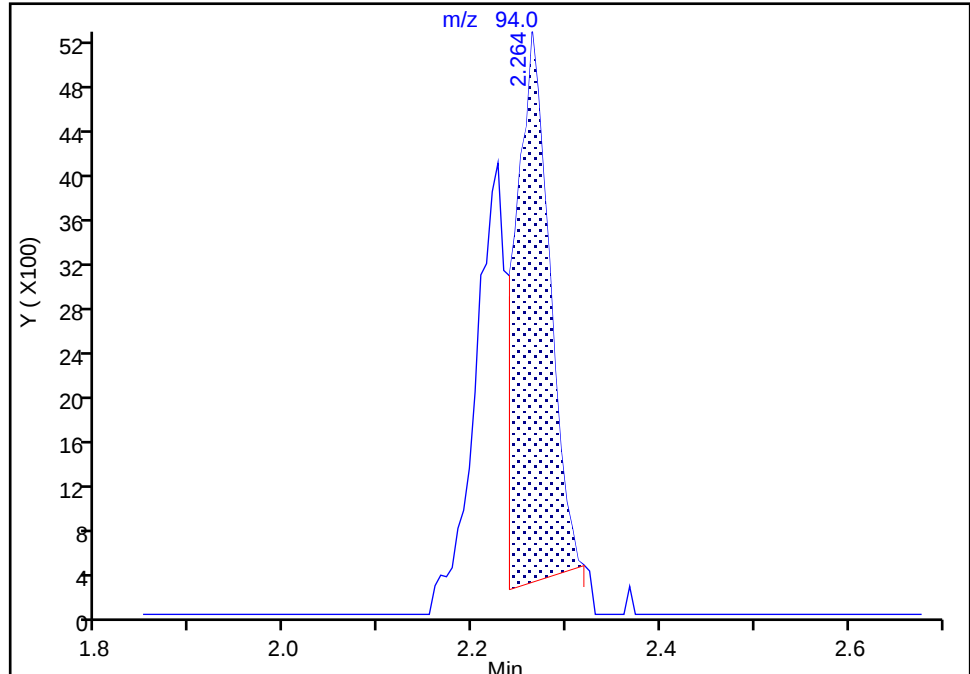
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Injection Date: 03-Dec-2024 16:27:30 Instrument ID: 16334
Lims ID: IC std2
Client ID:
Operator ID: knk41612 ALS Bottle#: 3 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm i.d.) Detector: MS Quad

9 Bromomethane, CAS: 74-83-9

Signal: 1

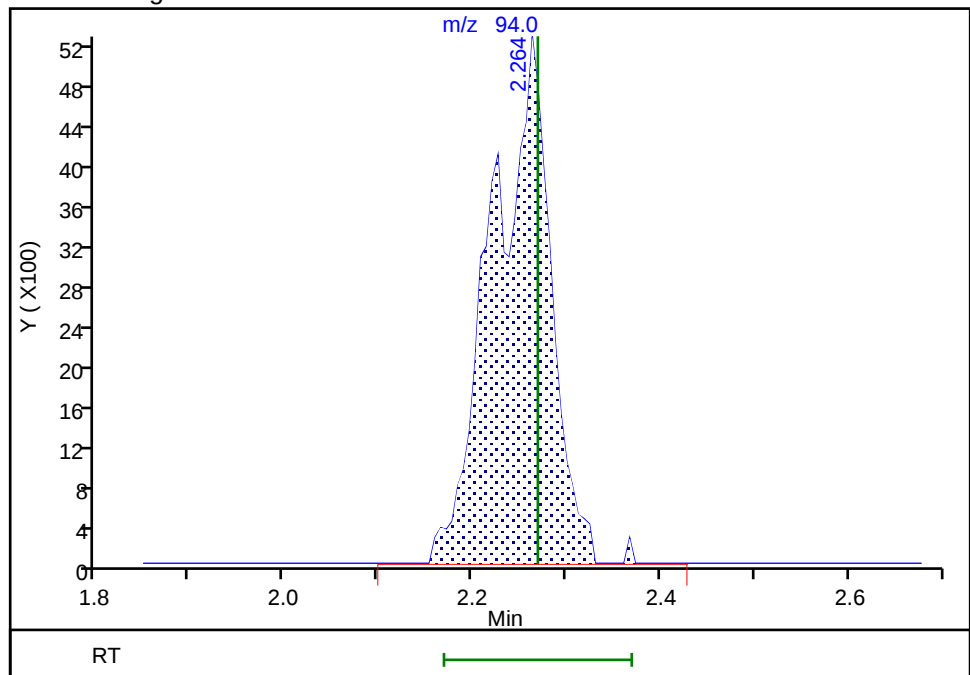
RT: 2.26
Area: 12470
Amount: 0.321188
Amount Units: ug/l

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

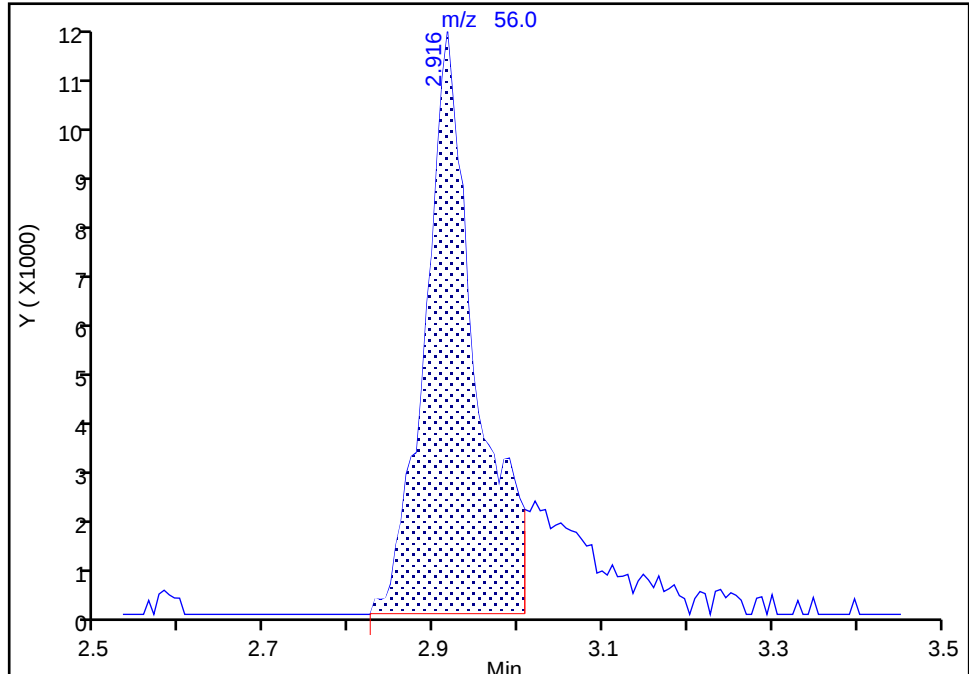
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Injection Date: 03-Dec-2024 16:27:30 Instrument ID: 16334
Lims ID: IC std2
Client ID:
Operator ID: knk41612 ALS Bottle#: 3 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm i.d.) Detector: MS Quad

17 Acrolein, CAS: 107-02-8

Signal: 1

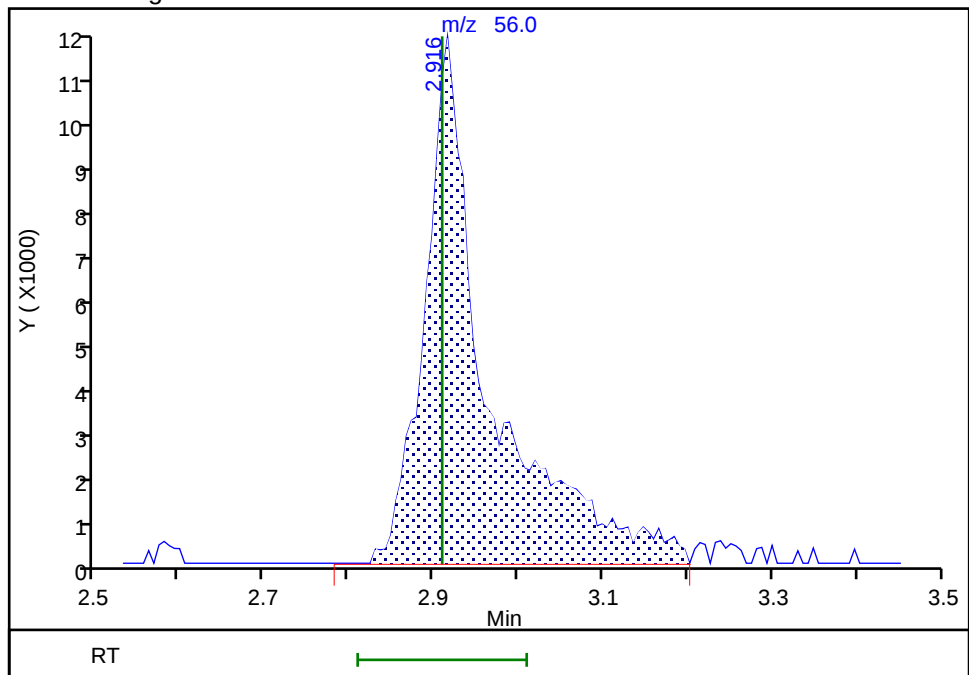
RT: 2.92
Area: 47029
Amount: 20.415447
Amount Units: ug/l

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

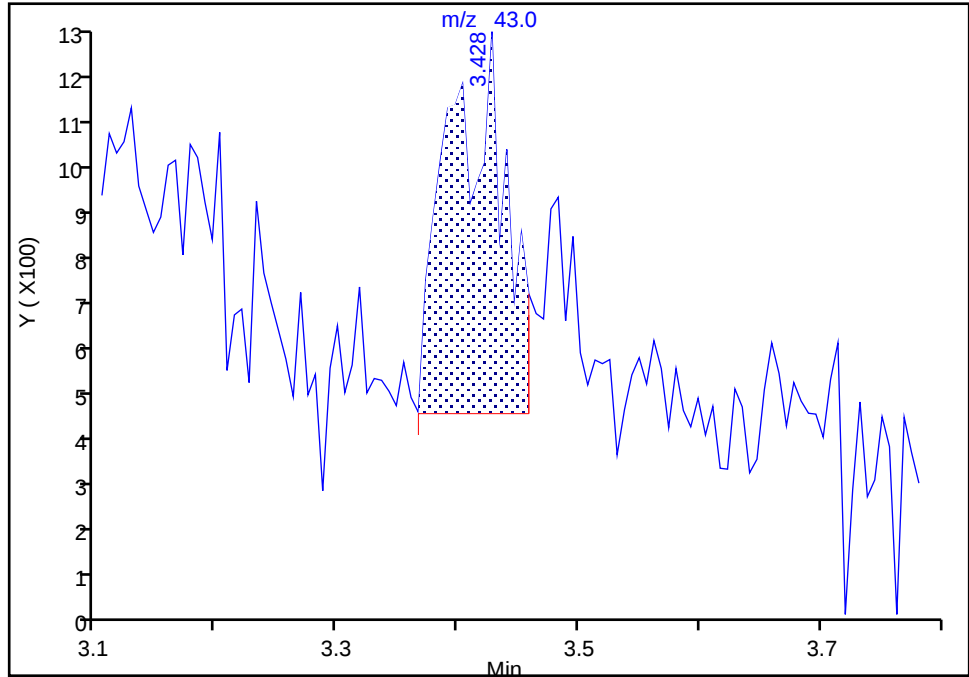
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Injection Date: 03-Dec-2024 16:27:30 Instrument ID: 16334
Lims ID: IC std2
Client ID:
Operator ID: knk41612 ALS Bottle#: 3 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

25 Methyl acetate, CAS: 79-20-9

Signal: 1

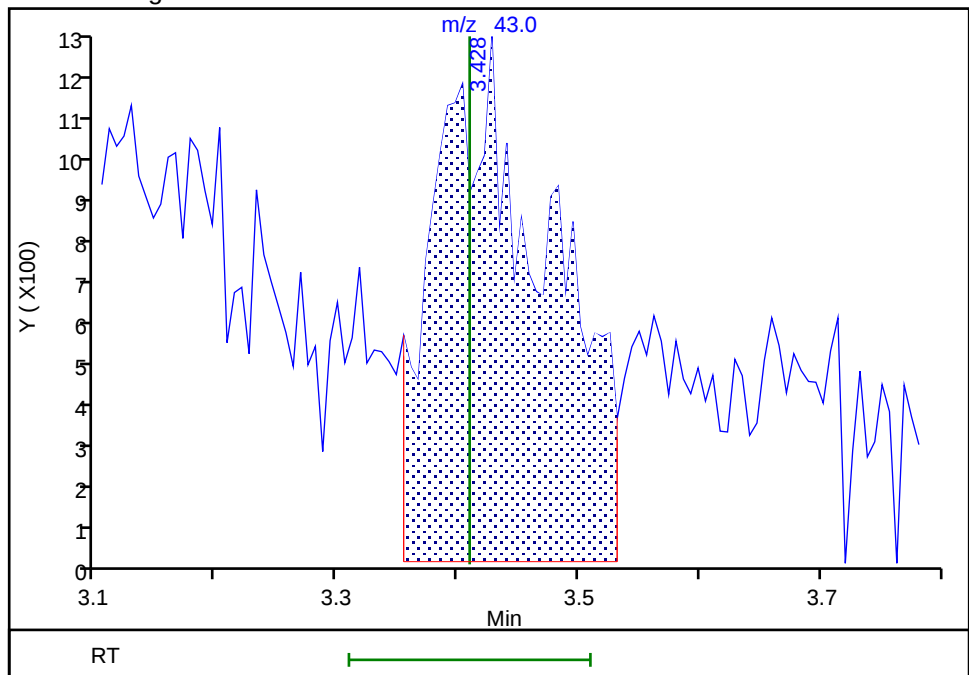
RT: 3.43
Area: 2776
Amount: 0.271710
Amount Units: ug/l

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

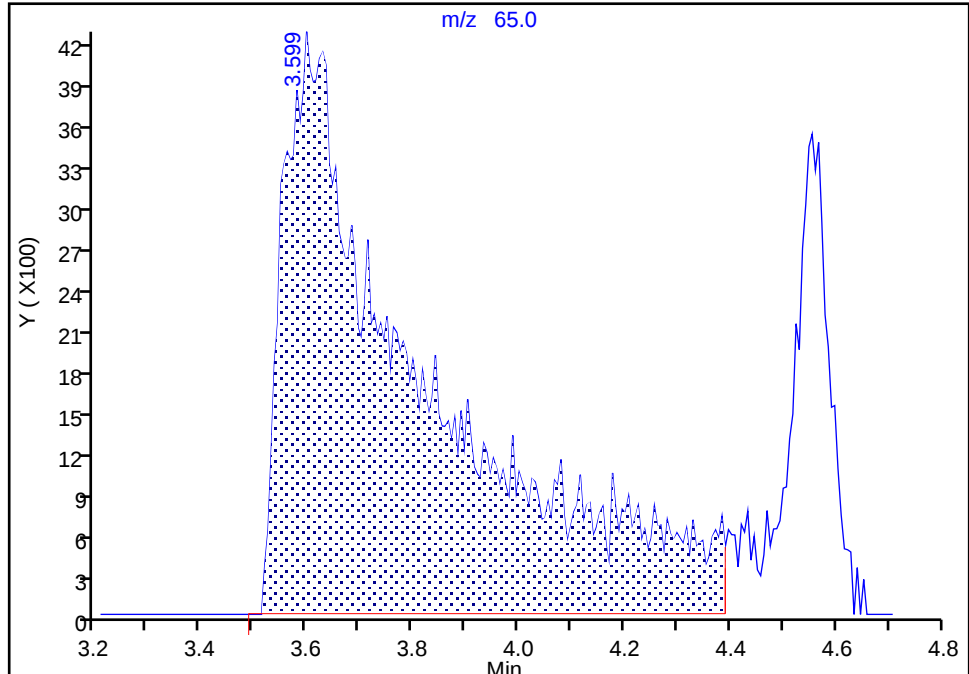
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Injection Date: 03-Dec-2024 16:27:30 Instrument ID: 16334
Lims ID: IC std2
Client ID:
Operator ID: knk41612 ALS Bottle#: 3 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

* 30 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

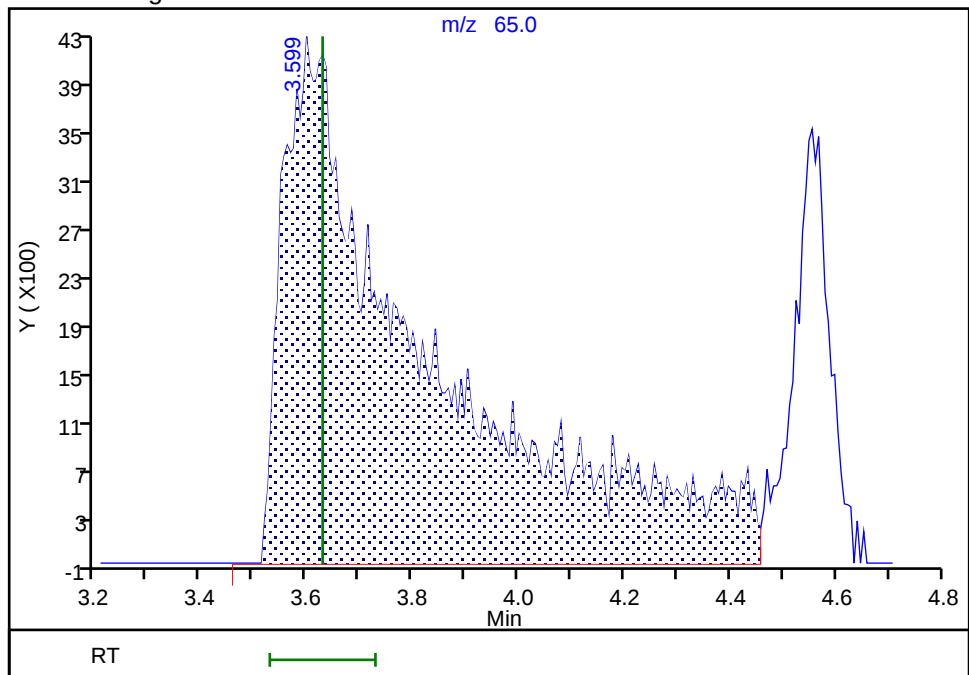
RT: 3.60
Area: 76110
Amount: 49.998300
Amount Units: ug/l

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

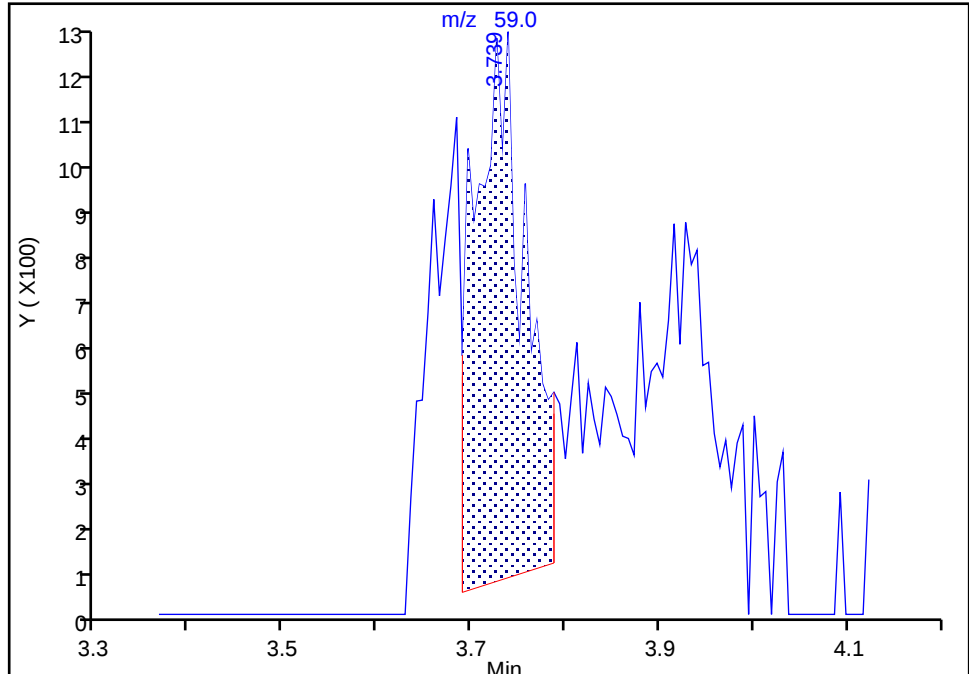
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Injection Date: 03-Dec-2024 16:27:30 Instrument ID: 16334
Lims ID: IC std2
Client ID:
Operator ID: knk41612 ALS Bottle#: 3 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm i.d.) Detector: MS Quad

31 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

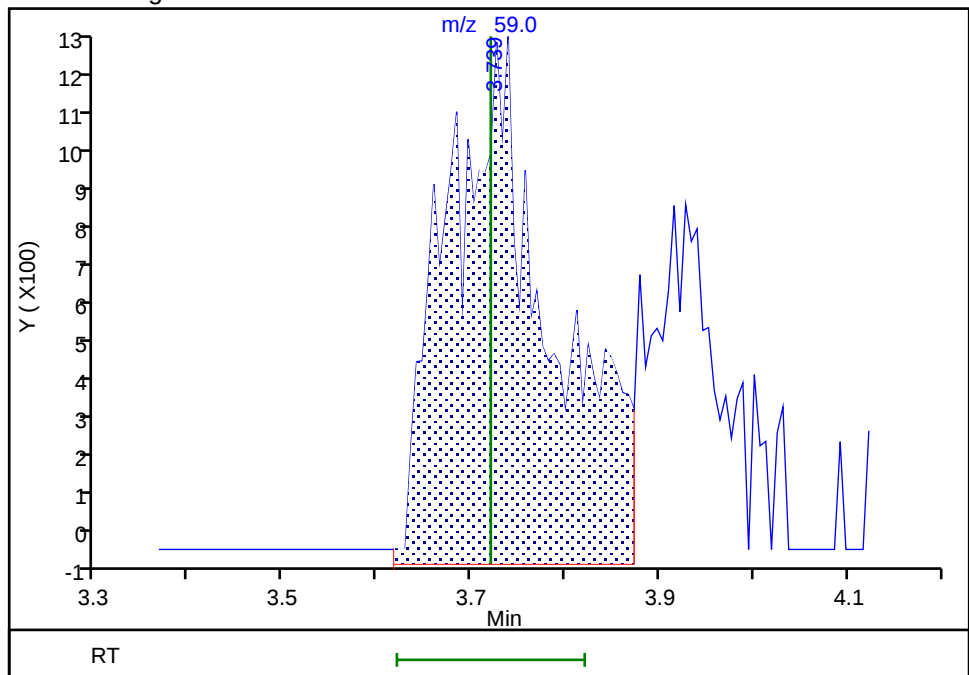
RT: 3.74
Area: 4508
Amount: 5.353406
Amount Units: ug/l

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

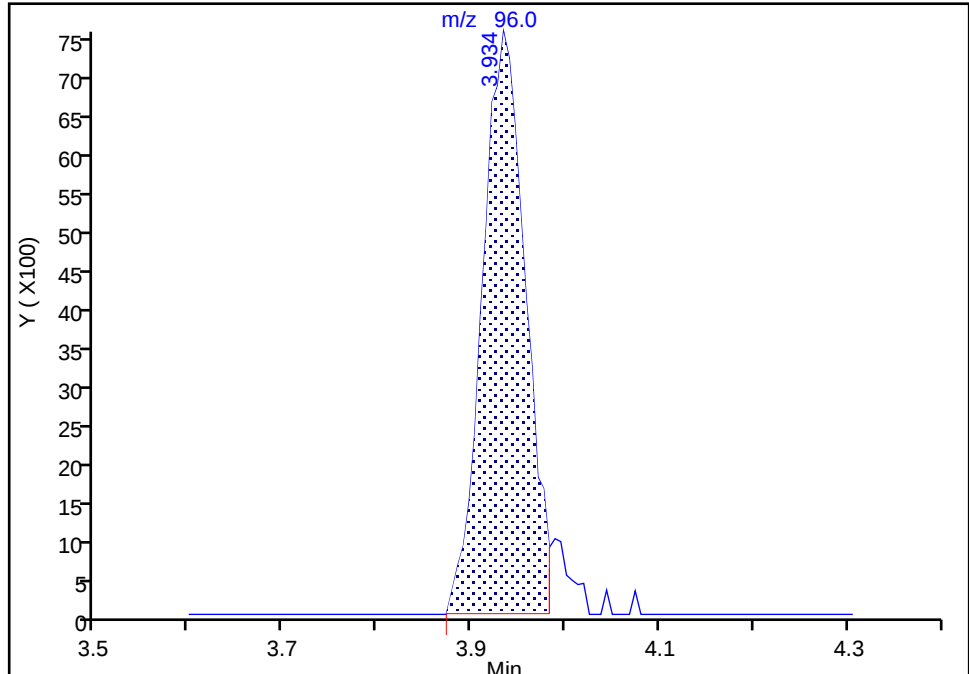
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Injection Date: 03-Dec-2024 16:27:30 Instrument ID: 16334
Lims ID: IC std2
Client ID:
Operator ID: knk41612 ALS Bottle#: 3 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm i.d.) MS Quad

34 trans-1,2-Dichloroethene, CAS: 156-60-5

Signal: 1

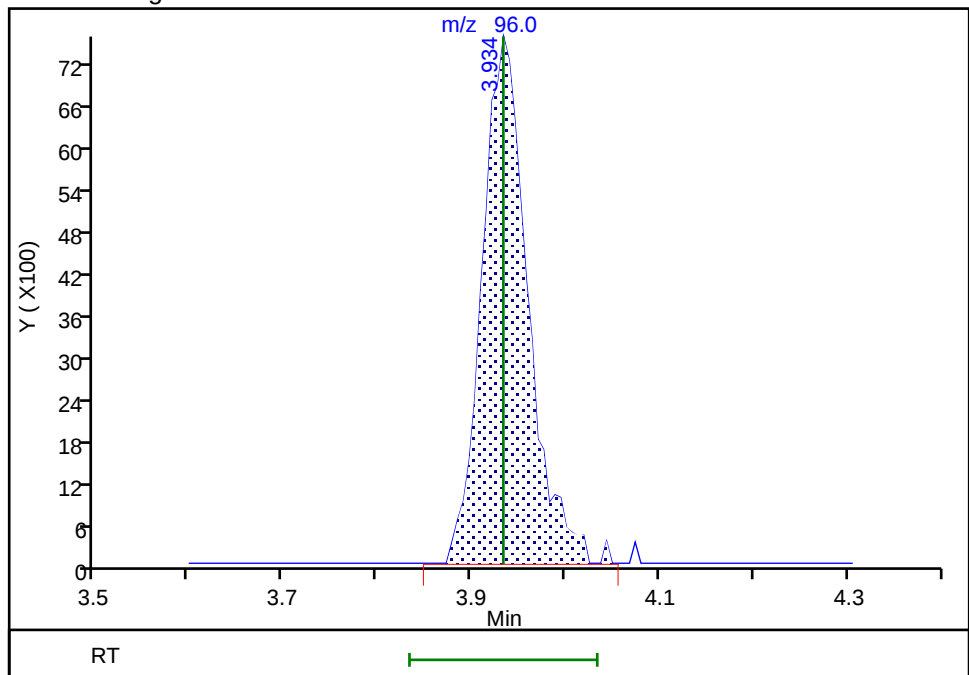
RT: 3.93
Area: 24194
Amount: 0.440721
Amount Units: ug/l

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

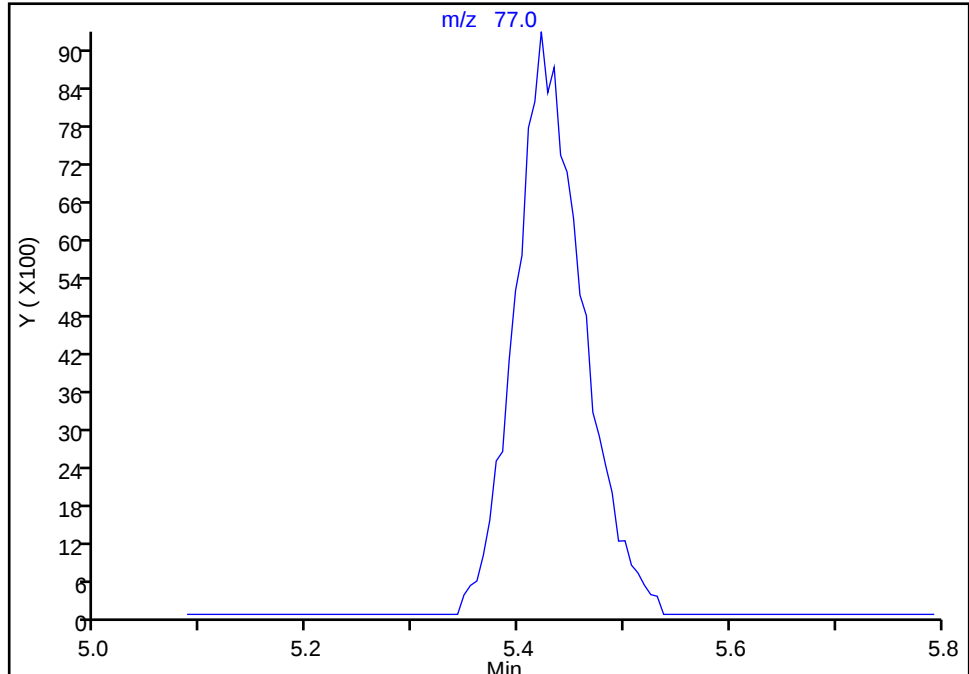
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Injection Date: 03-Dec-2024 16:27:30 Instrument ID: 16334
Lims ID: IC std2
Client ID:
Operator ID: knk41612 ALS Bottle#: 3 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

43 2,2-Dichloropropane, CAS: 594-20-7

Signal: 1

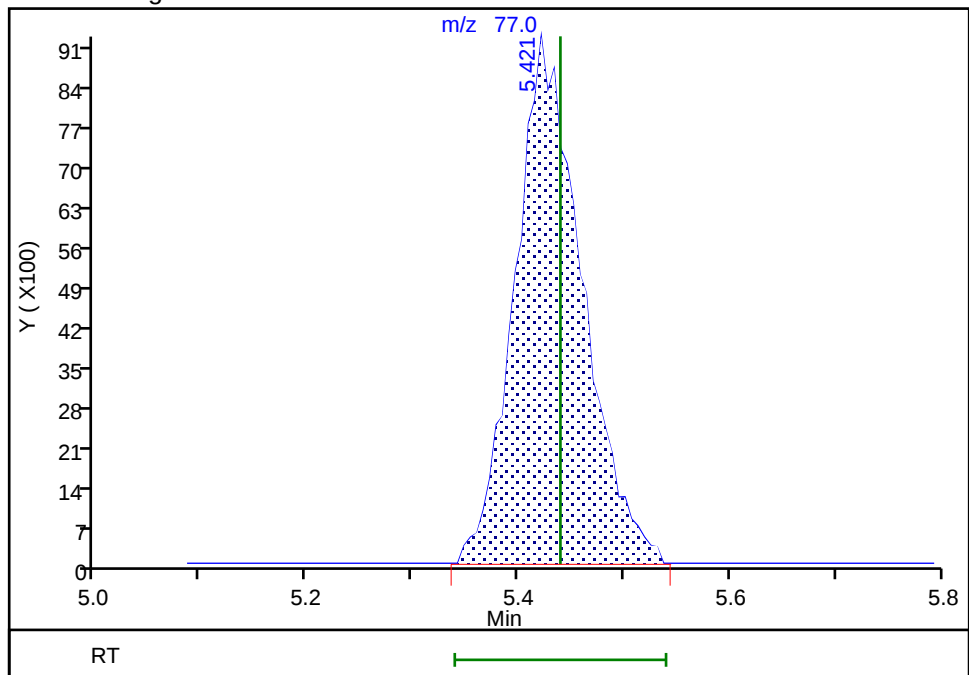
Not Detected
Expected RT: 5.44

Processing Integration Results



Manual Integration Results

RT: 5.42
Area: 40782
Amount: 0.477904
Amount Units: ug/l



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

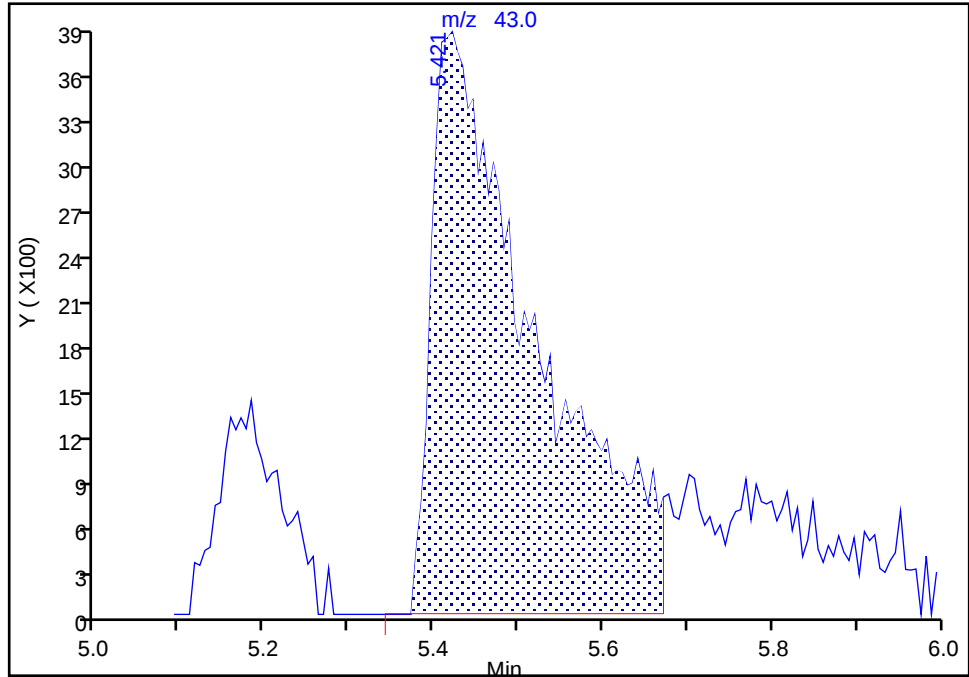
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Injection Date: 03-Dec-2024 16:27:30 Instrument ID: 16334
Lims ID: IC std2
Client ID:
Operator ID: knk41612 ALS Bottle#: 3 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

41 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

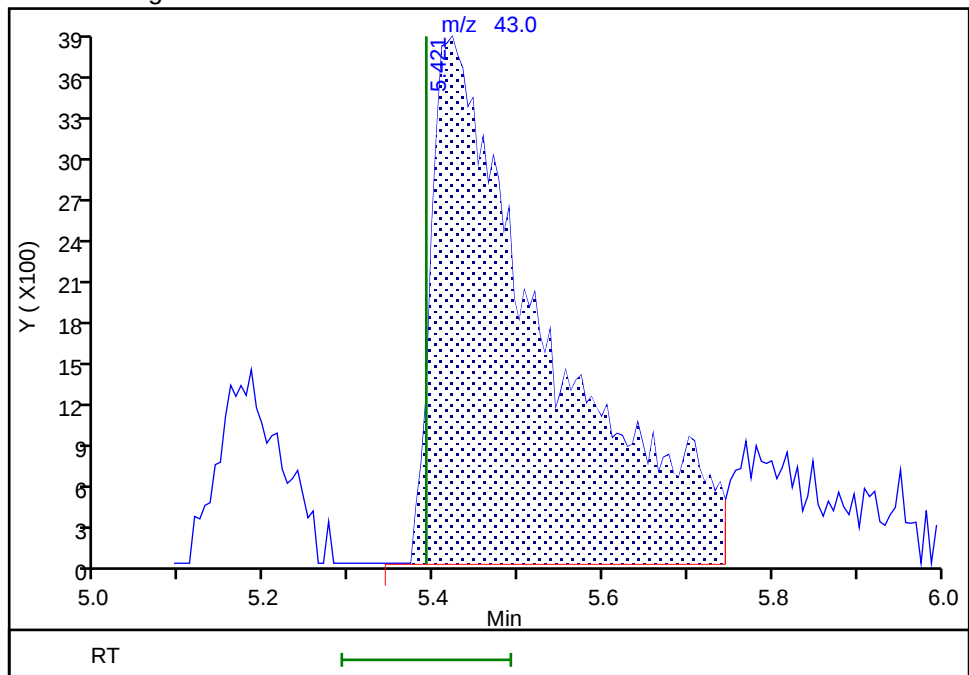
RT: 5.42
Area: 32792
Amount: 4.310305
Amount Units: ug/l

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

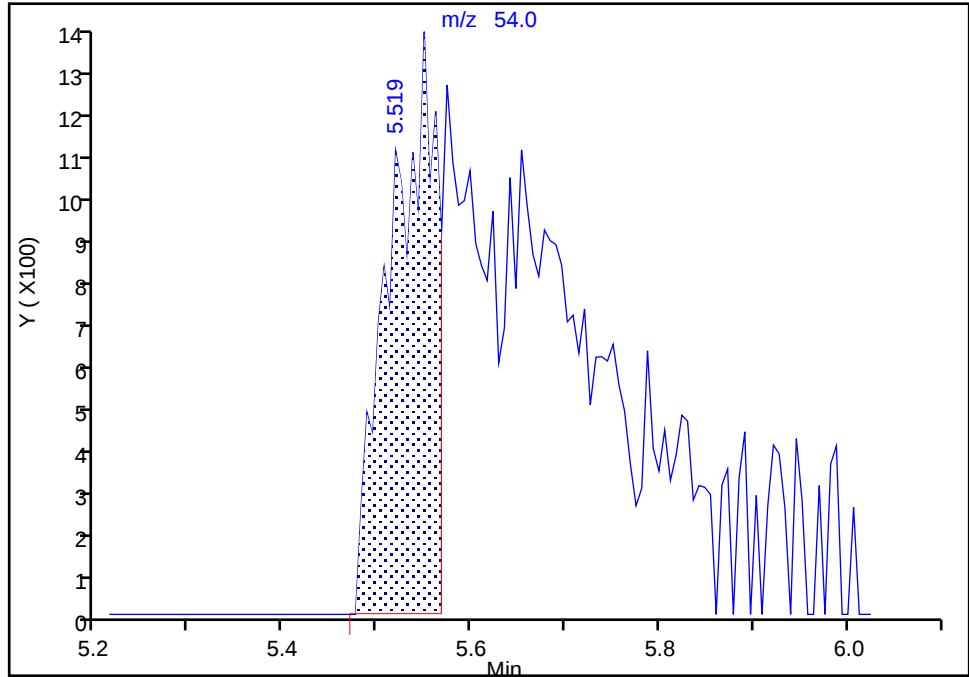
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Injection Date: 03-Dec-2024 16:27:30 Instrument ID: 16334
Lims ID: IC std2
Client ID:
Operator ID: knk41612 ALS Bottle#: 3 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm i.d.) Detector: MS Quad

45 Propionitrile, CAS: 107-12-0

Signal: 1

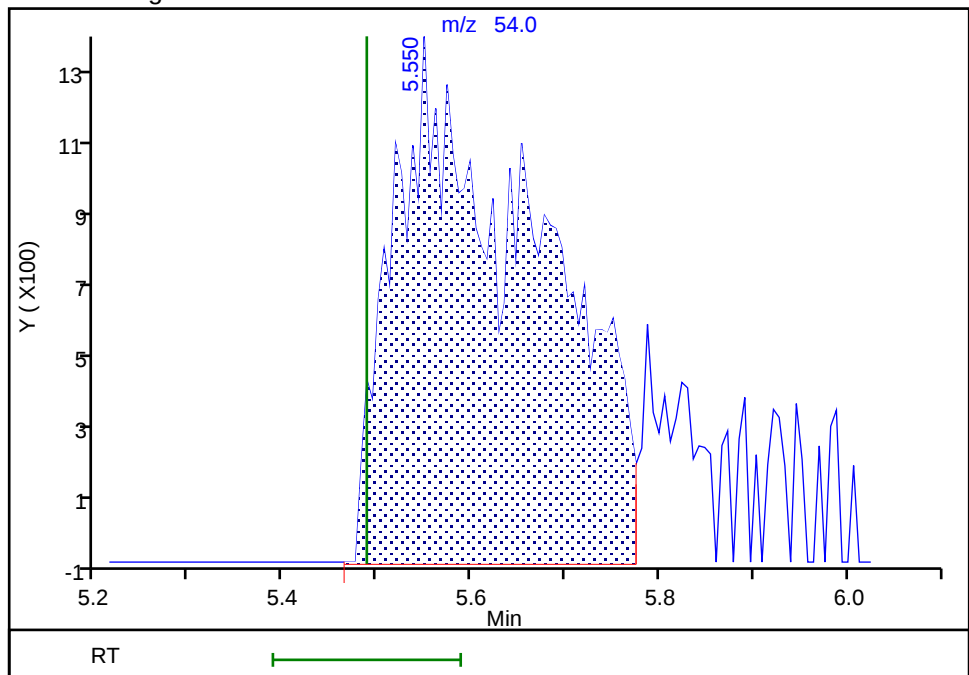
RT: 5.52
Area: 4656
Amount: 7.132745
Amount Units: ug/l

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

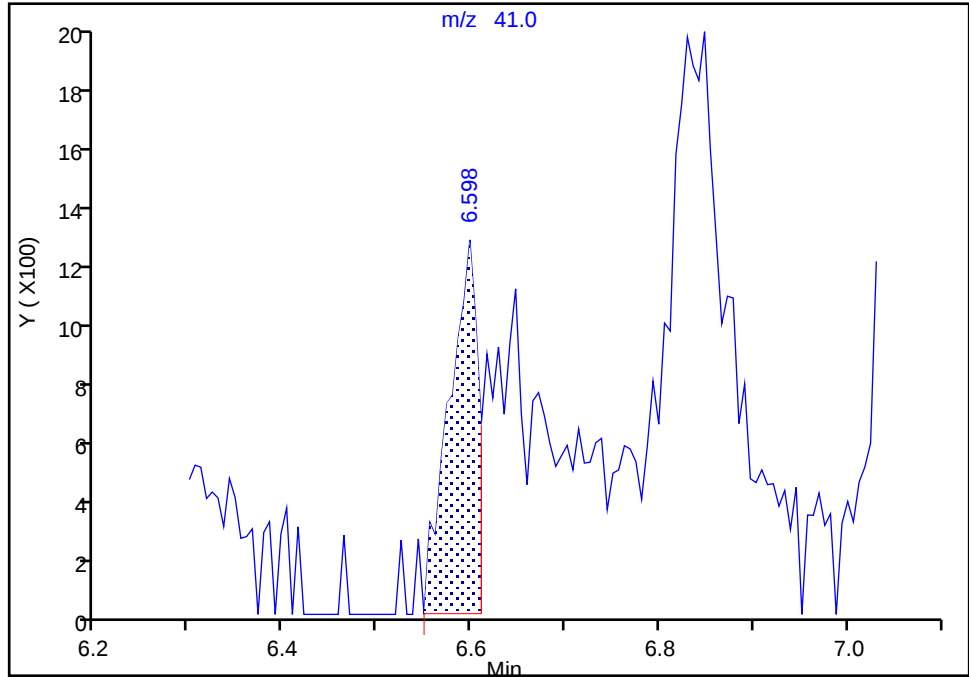
Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X13.D
Injection Date: 03-Dec-2024 16:27:30 Instrument ID: 16334
Lims ID: IC std2
Client ID:
Operator ID: knk41612 ALS Bottle#: 3 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

58 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

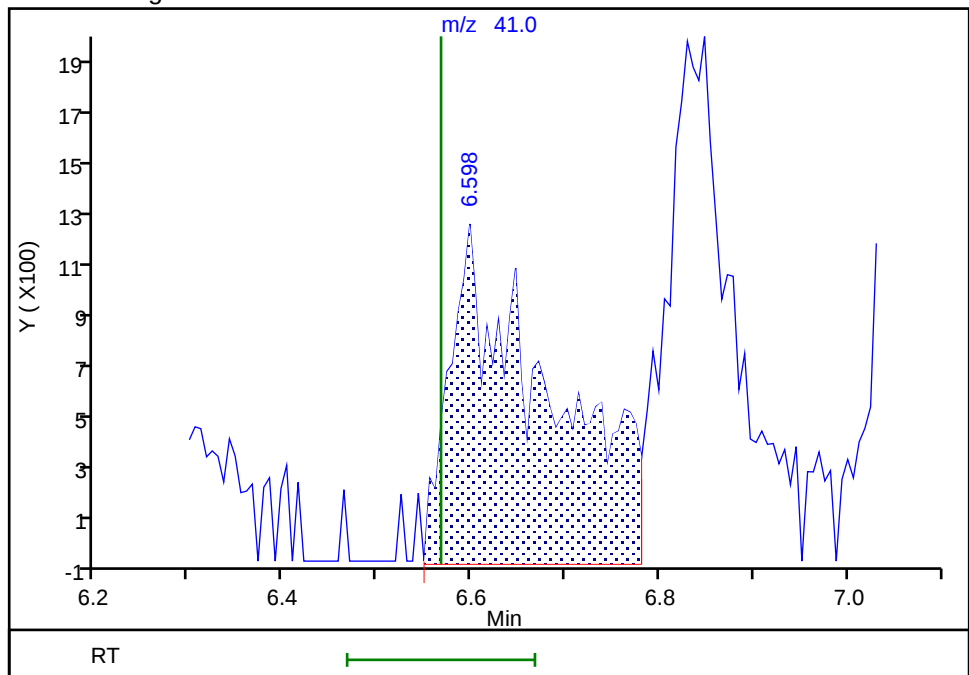
RT: 6.60
Area: 2742
Amount: 10.513182
Amount Units: ug/l

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

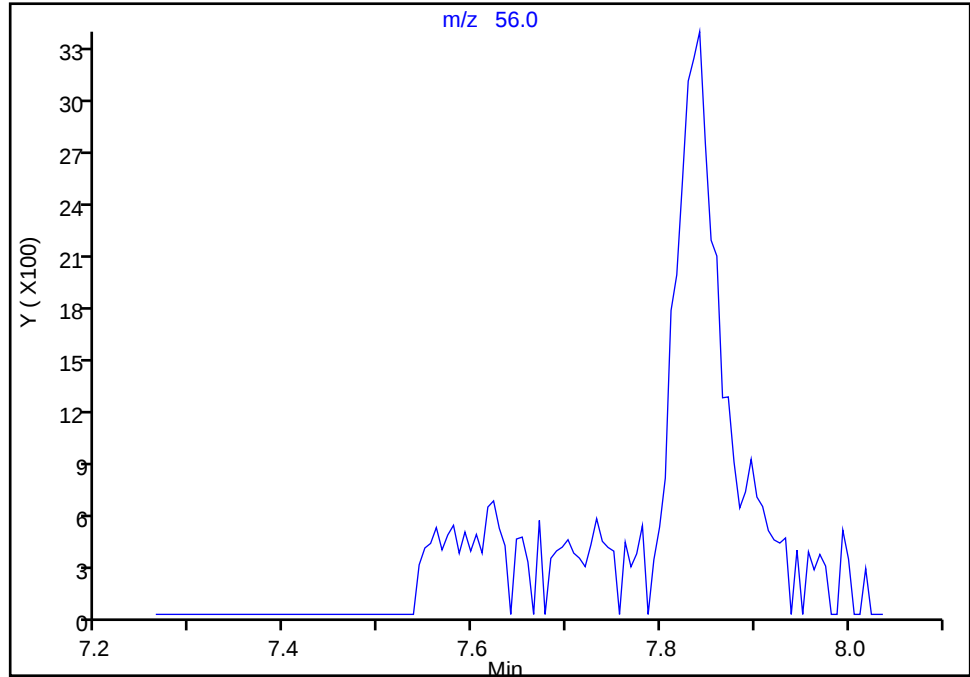
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Injection Date: 03-Dec-2024 16:27:30 Instrument ID: 16334
Lims ID: IC std2
Client ID:
Operator ID: knk41612 ALS Bottle#: 3 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

67 n-Butanol, CAS: 71-36-3

Signal: 1

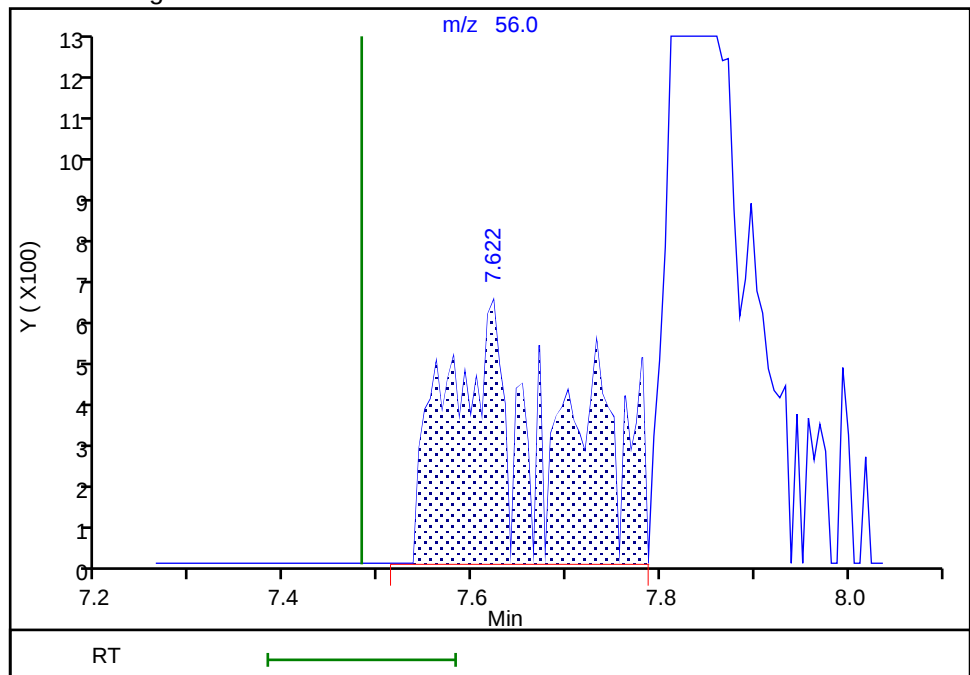
Not Detected
Expected RT: 7.48

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

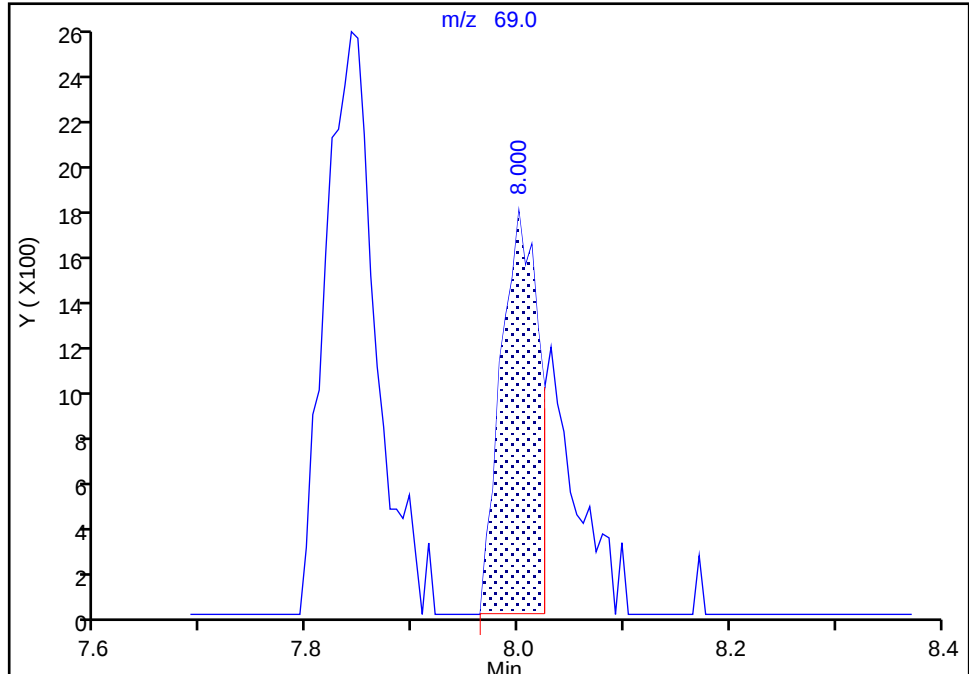
Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X13.D
Injection Date: 03-Dec-2024 16:27:30 Instrument ID: 16334
Lims ID: IC std2
Client ID:
Operator ID: knk41612 ALS Bottle#: 3 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

72 Methyl methacrylate, CAS: 80-62-6

Signal: 1

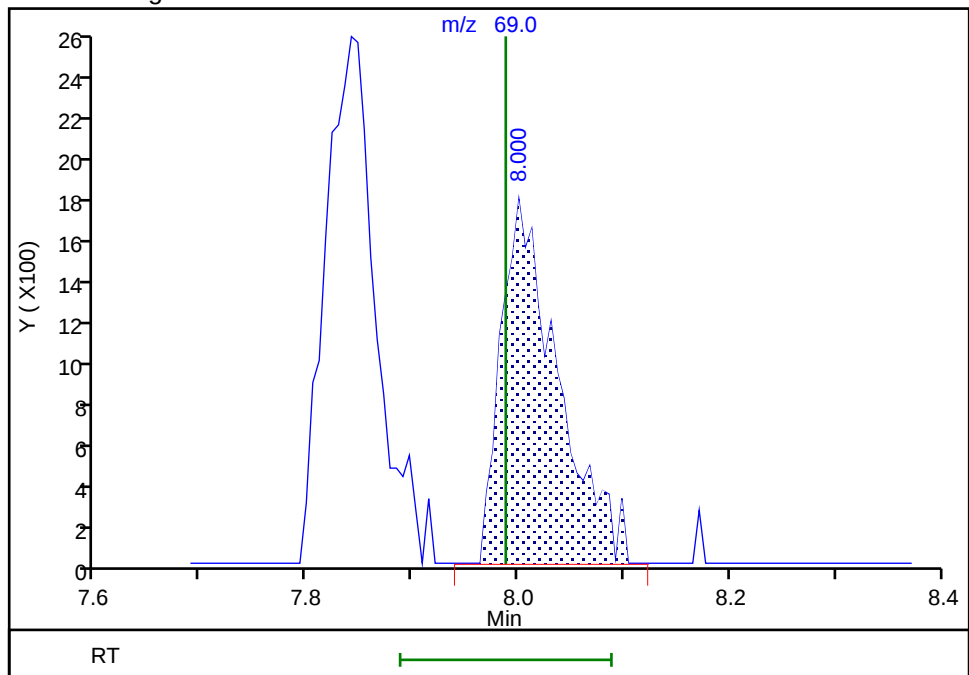
RT: 8.00
Area: 4303
Amount: 0.517728
Amount Units: ug/l

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

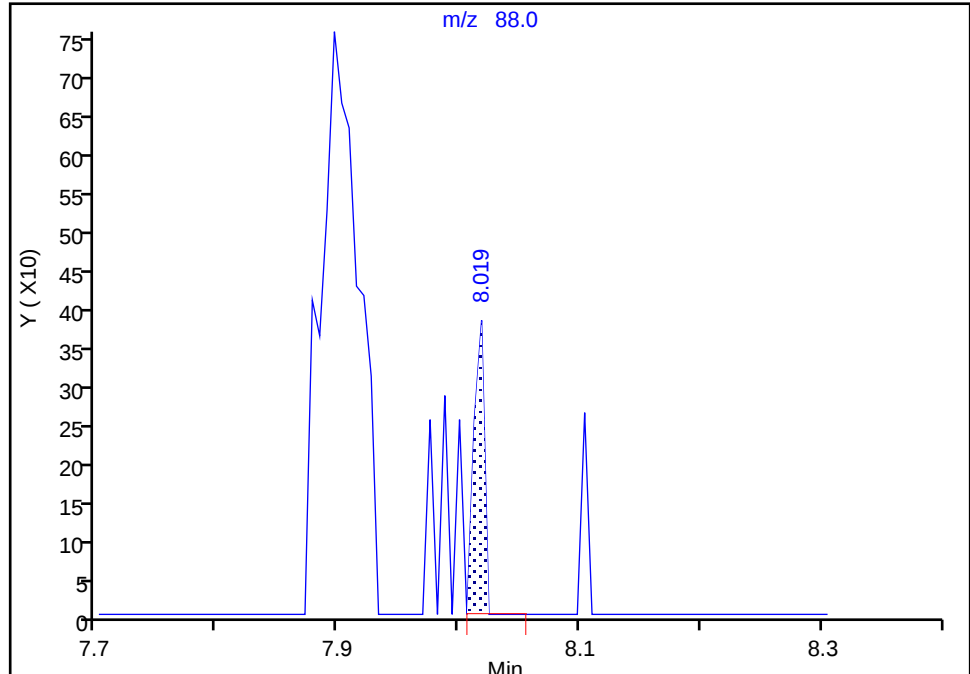
Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X13.D
Injection Date: 03-Dec-2024 16:27:30 Instrument ID: 16334
Lims ID: IC std2
Client ID:
Operator ID: knk41612 ALS Bottle#: 3 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

73 1,4-Dioxane, CAS: 123-91-1

Signal: 1

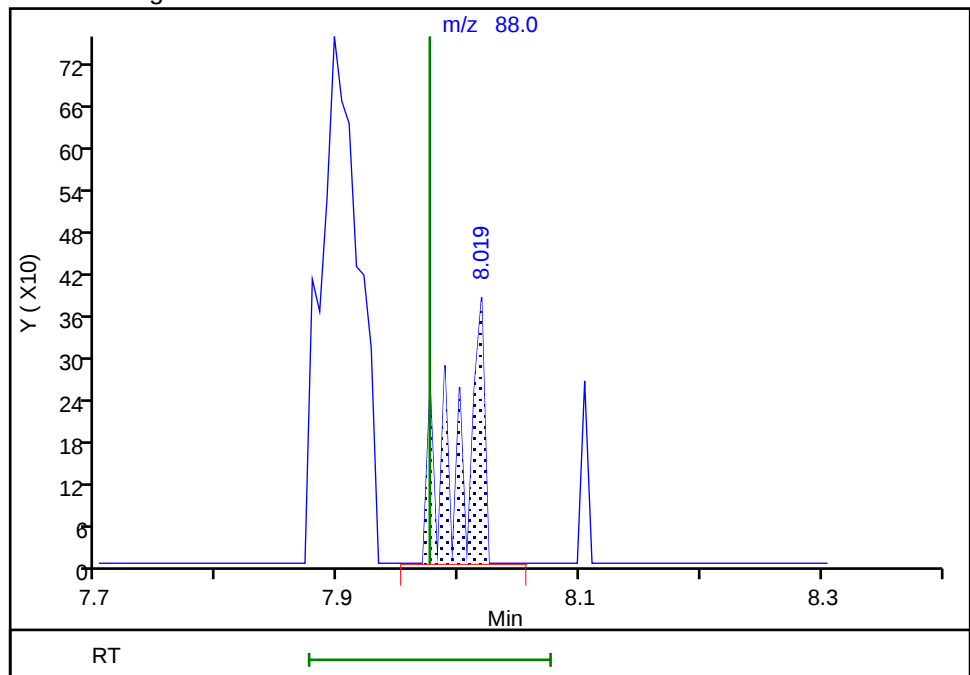
RT: 8.02
Area: 230
Amount: 18.315036
Amount Units: ug/l

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

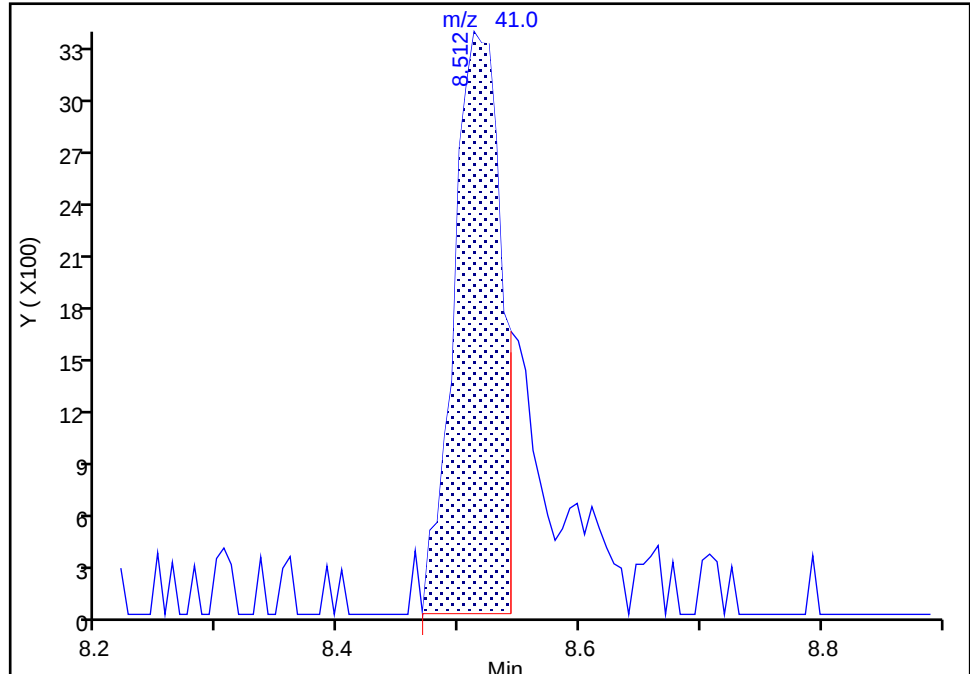
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Injection Date: 03-Dec-2024 16:27:30 Instrument ID: 16334
Lims ID: IC std2
Client ID:
Operator ID: knk41612 ALS Bottle#: 3 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

77 2-Nitropropane, CAS: 79-46-9

Signal: 1

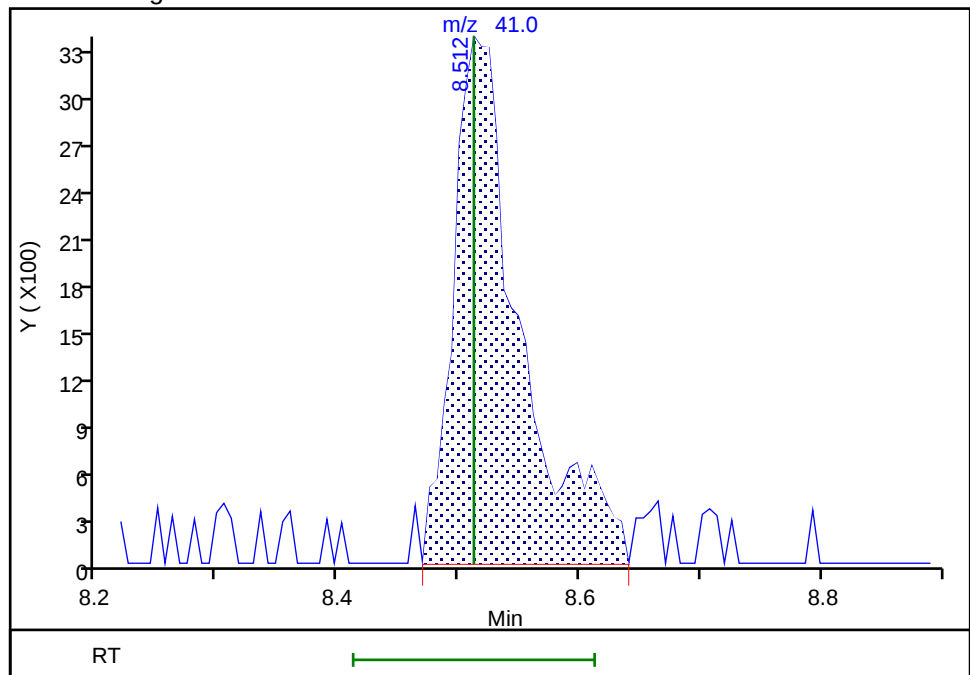
RT: 8.51
Area: 9141
Amount: 2.057232
Amount Units: ug/l

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

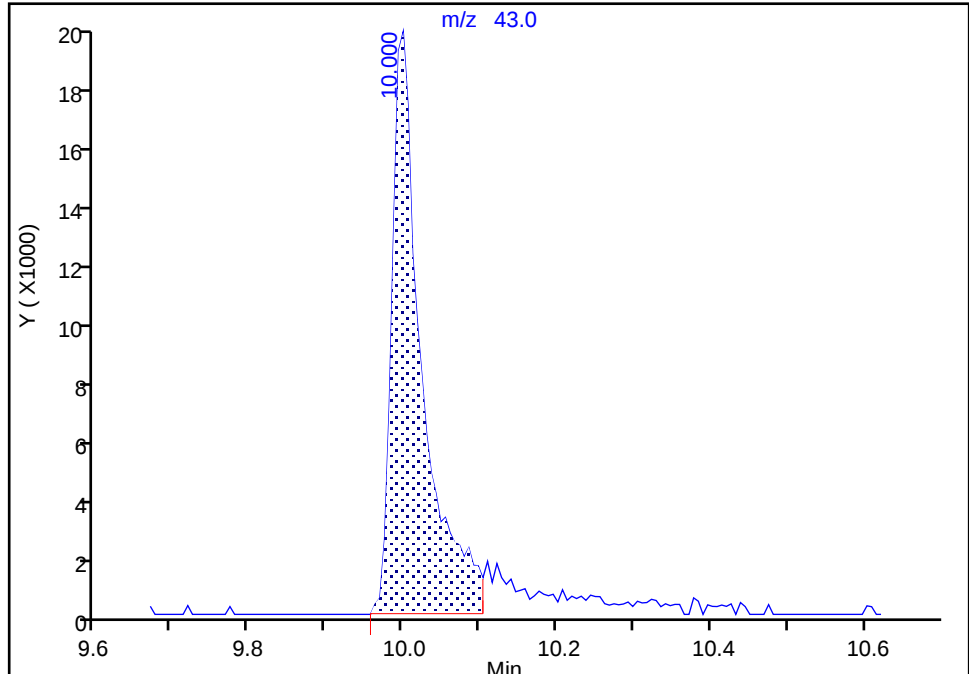
Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X13.D
Injection Date: 03-Dec-2024 16:27:30 Instrument ID: 16334
Lims ID: IC std2
Client ID:
Operator ID: knk41612 ALS Bottle#: 3 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

110 2-Hexanone, CAS: 591-78-6

Signal: 1

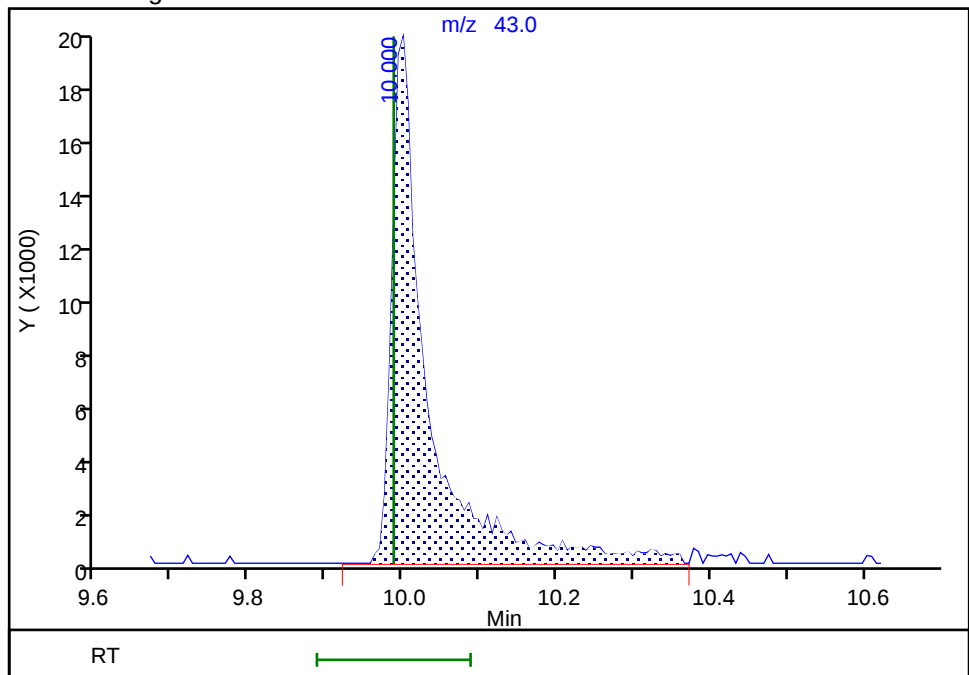
RT: 10.00
Area: 52227
Amount: 3.853867
Amount Units: ug/l

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

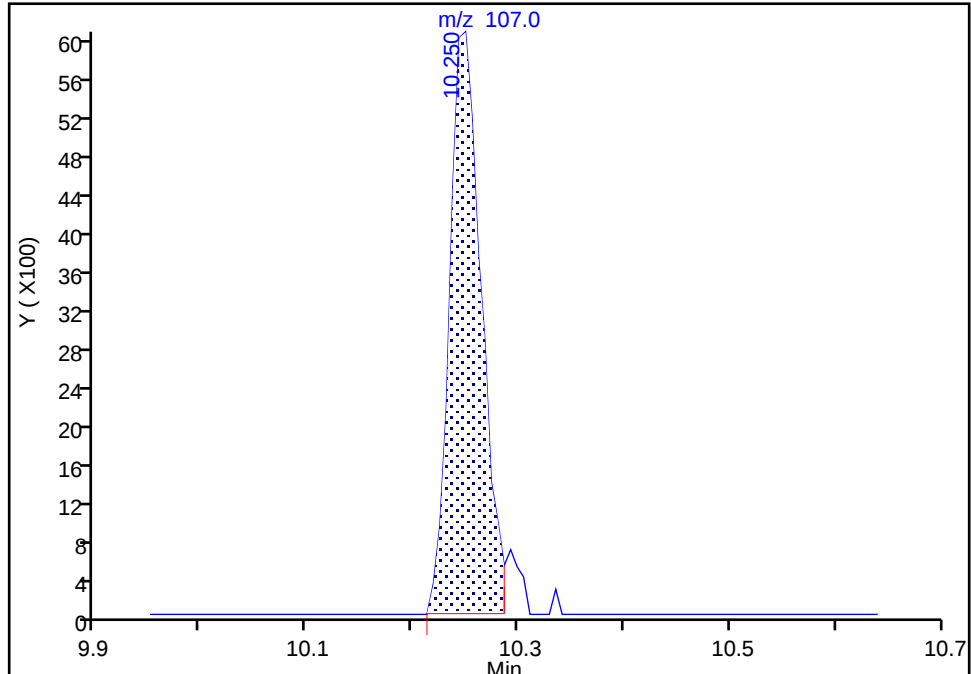
Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X13.D
Injection Date: 03-Dec-2024 16:27:30 Instrument ID: 16334
Lims ID: IC std2
Client ID:
Operator ID: knk41612 ALS Bottle#: 3 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

113 Ethylene Dibromide, CAS: 106-93-4

Signal: 1

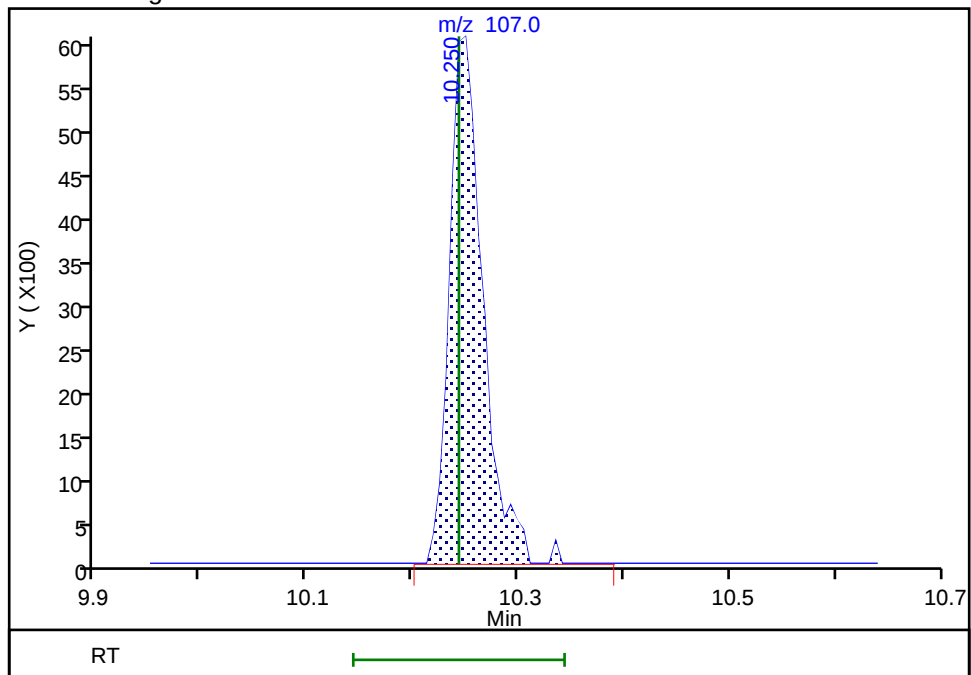
RT: 10.25
Area: 12511
Amount: 0.422256
Amount Units: ug/l

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

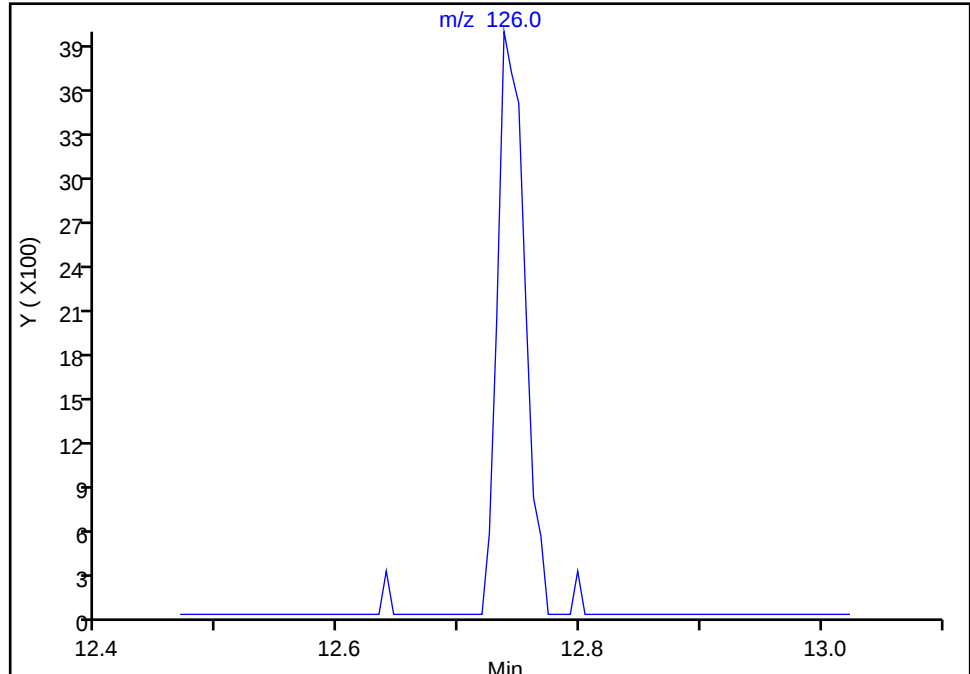
Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X13.D
Injection Date: 03-Dec-2024 16:27:30 Instrument ID: 16334
Lims ID: IC std2
Client ID:
Operator ID: knk41612 ALS Bottle#: 3 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) MS Quad

145 Benzyl chloride, CAS: 100-44-7

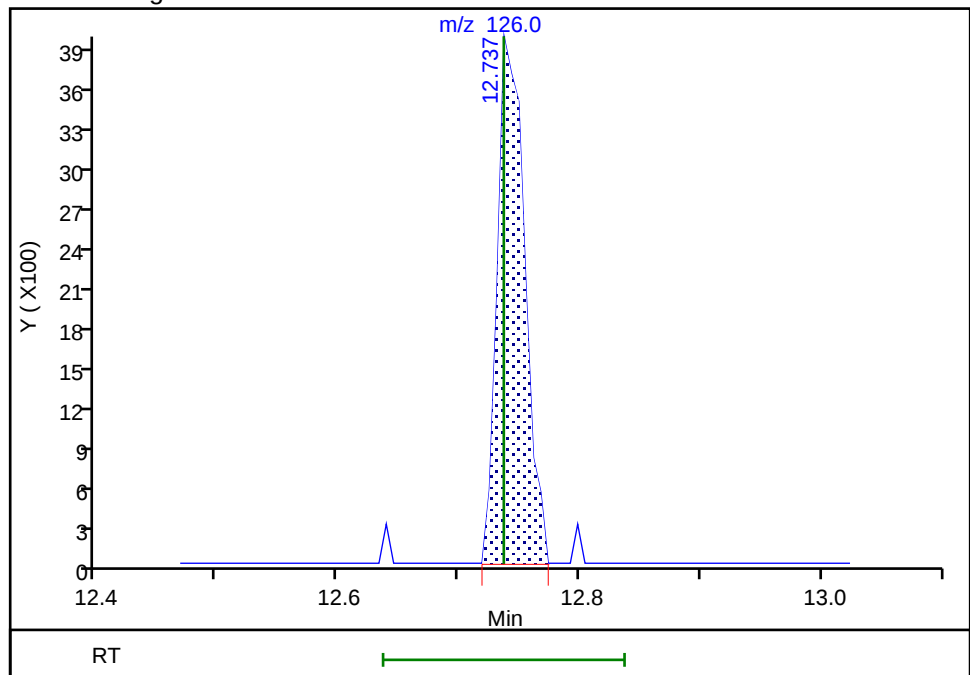
Signal: 1

Not Detected
Expected RT: 12.74

Processing Integration Results



Manual Integration Results



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

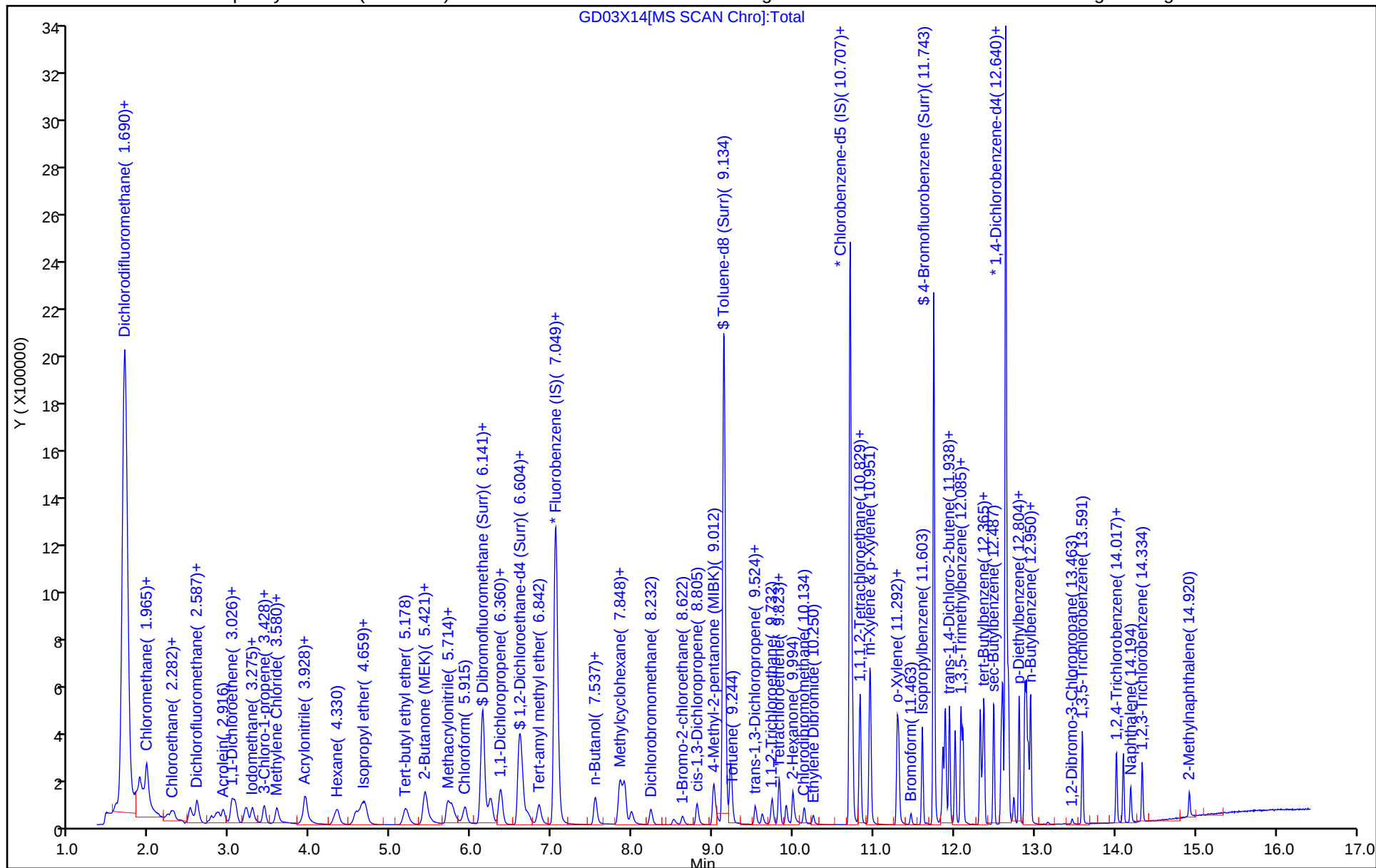
ALS Bottle#: 4

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

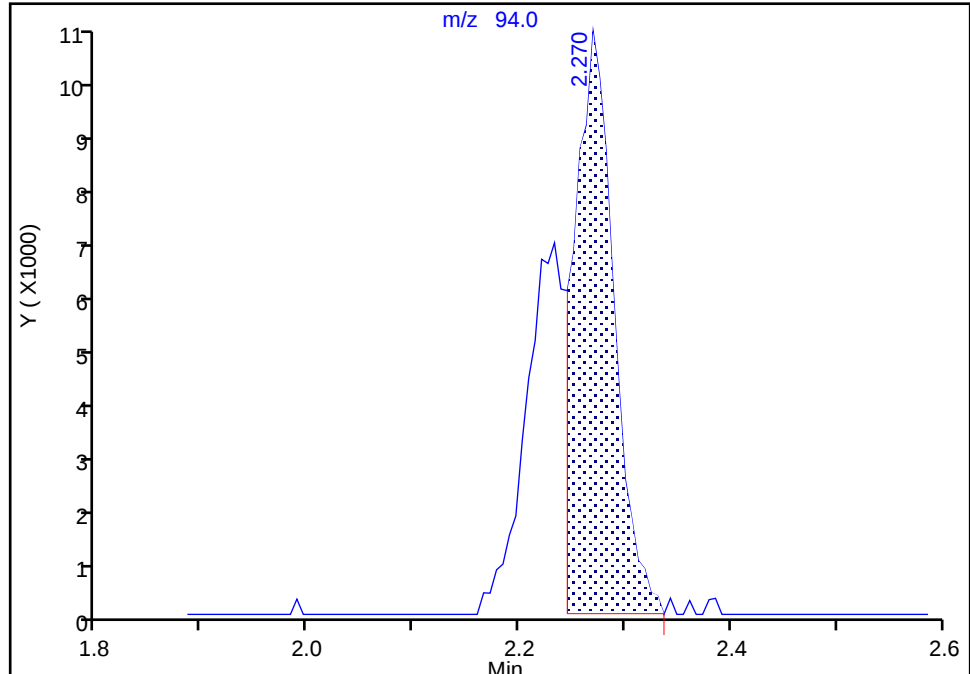
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Injection Date: 03-Dec-2024 16:50:30 Instrument ID: 16334
Lims ID: IC std3
Client ID:
Operator ID: knk41612 ALS Bottle#: 4 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm i.d.) Detector: MS Quad

9 Bromomethane, CAS: 74-83-9

Signal: 1

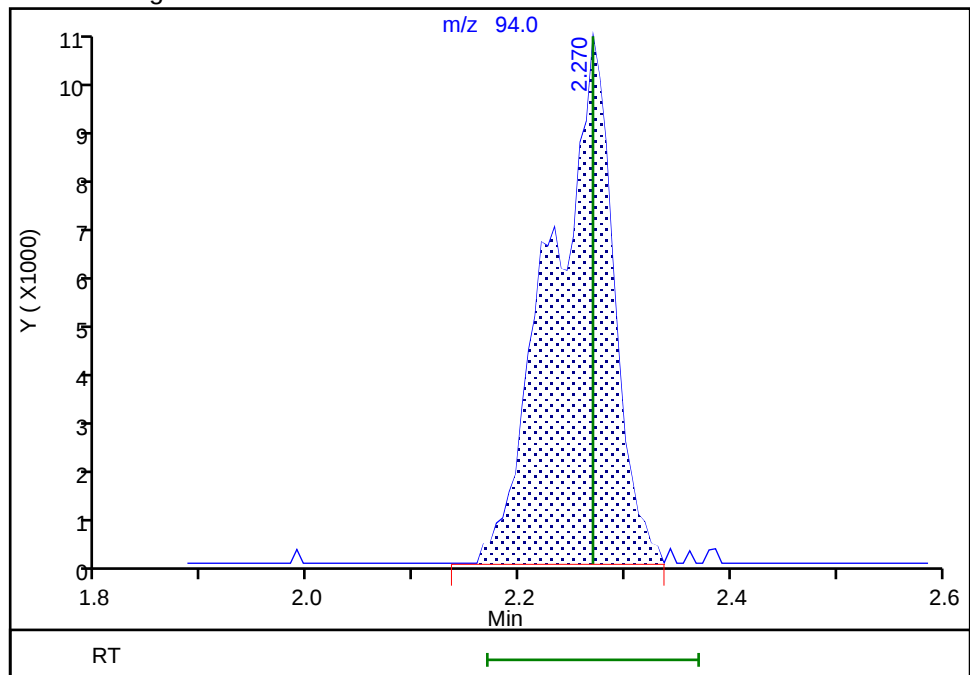
RT: 2.27
Area: 28397
Amount: 0.847332
Amount Units: ug/l

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

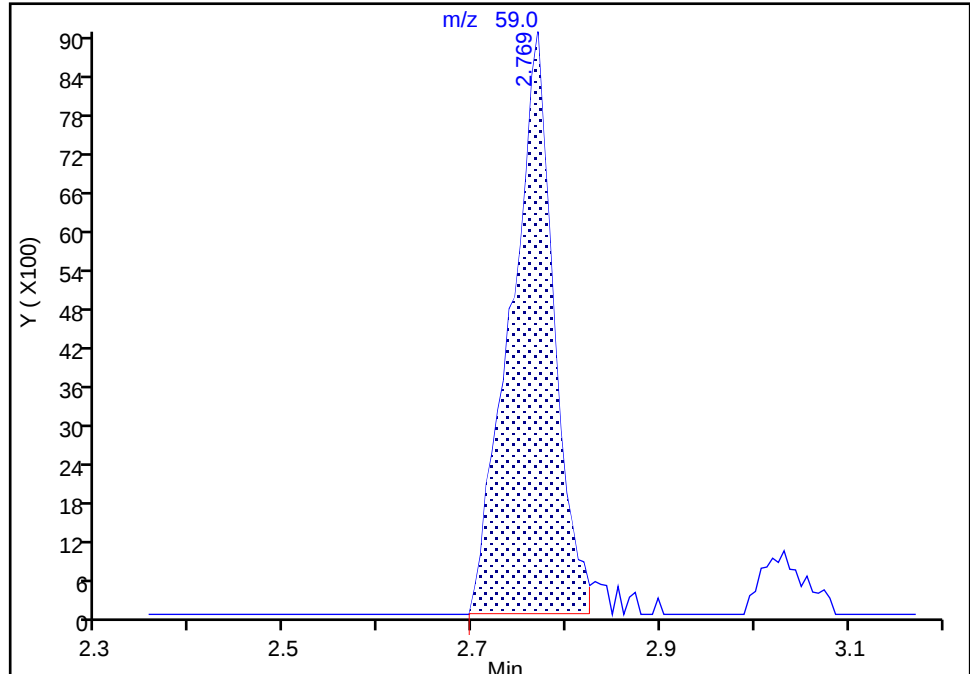
Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X14.D
Injection Date: 03-Dec-2024 16:50:30 Instrument ID: 16334
Lims ID: IC std3
Client ID:
Operator ID: knk41612 ALS Bottle#: 4 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

13 Ethyl ether, CAS: 60-29-7

Signal: 1

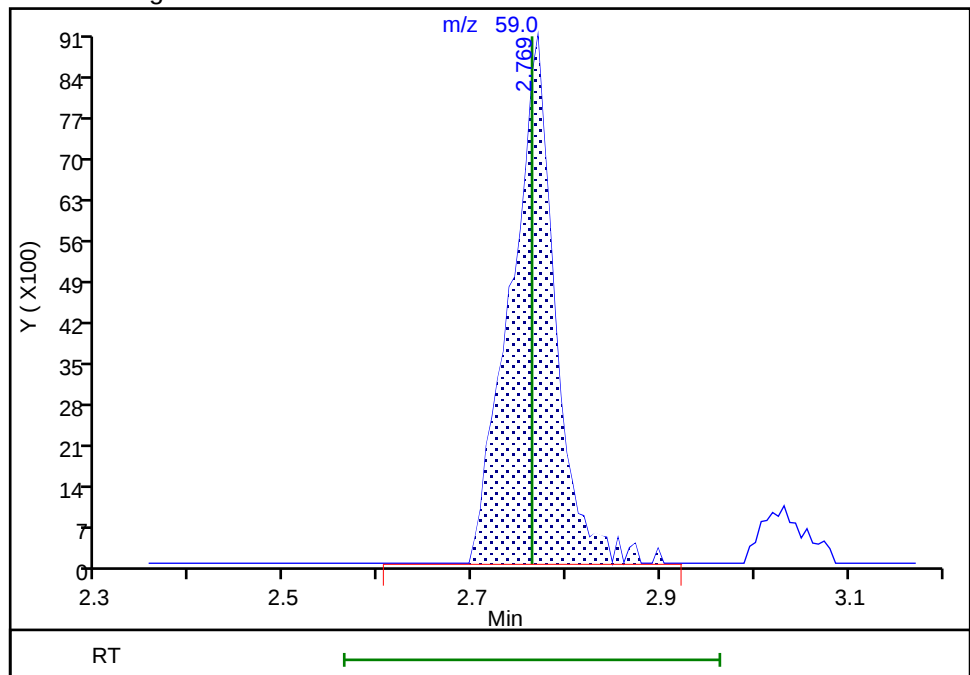
RT: 2.77
Area: 28571
Amount: 1.056503
Amount Units: ug/l

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)

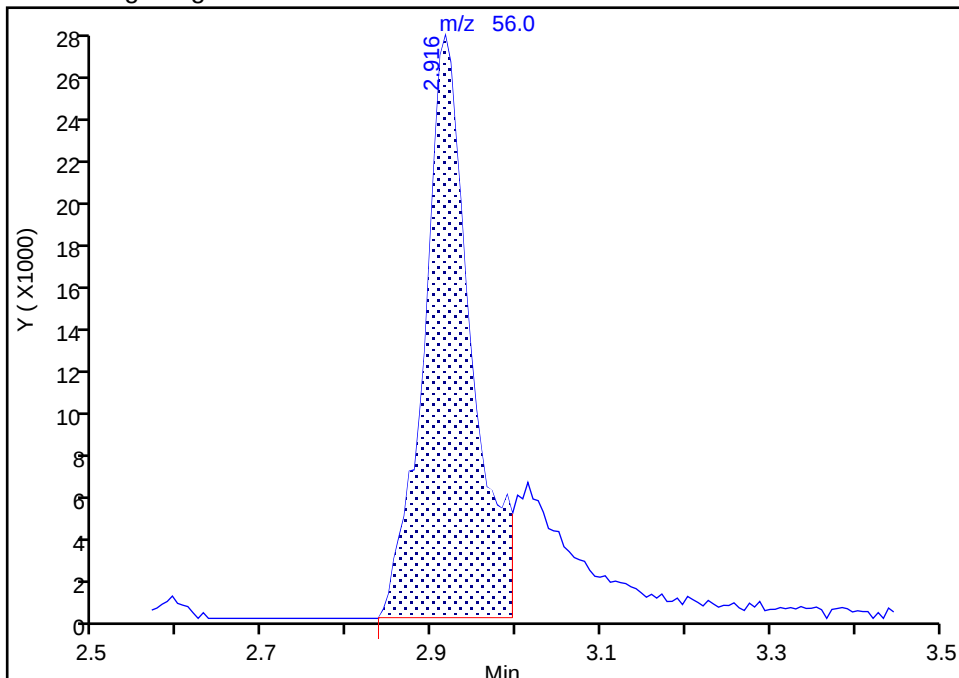
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

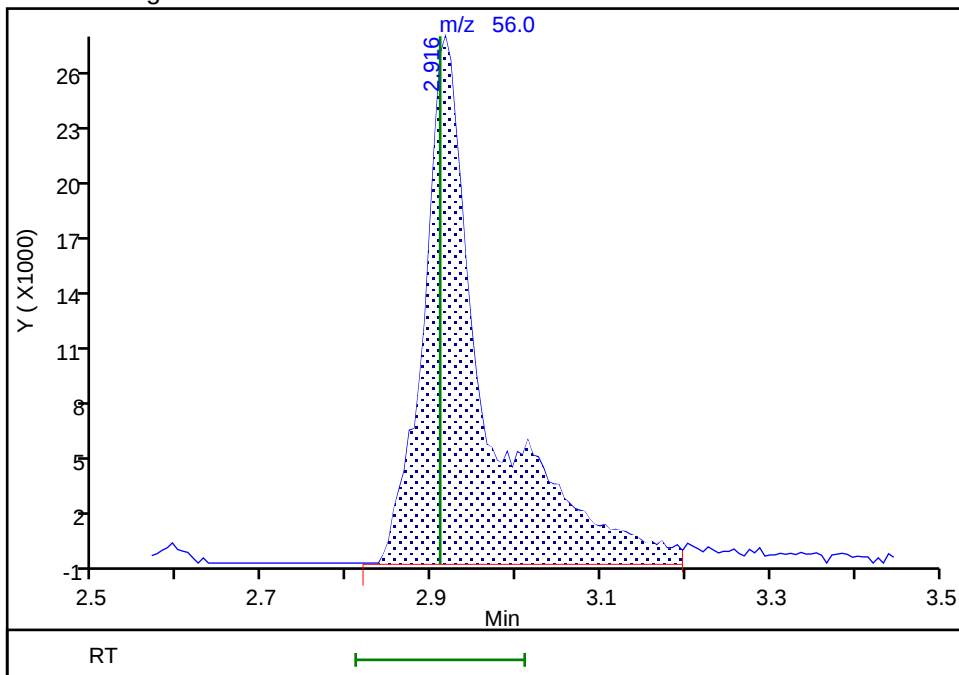
Data File:	\\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X14.D				
Injection Date:	03-Dec-2024 16:50:30	Instrument ID:	16334		
Lims ID:	IC std3				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	4	Worklist Smp#:	15
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm i.d.)	Detector:	MS Quad		

Signal: 1

Processing Integration Results



Manual Integration Results



Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

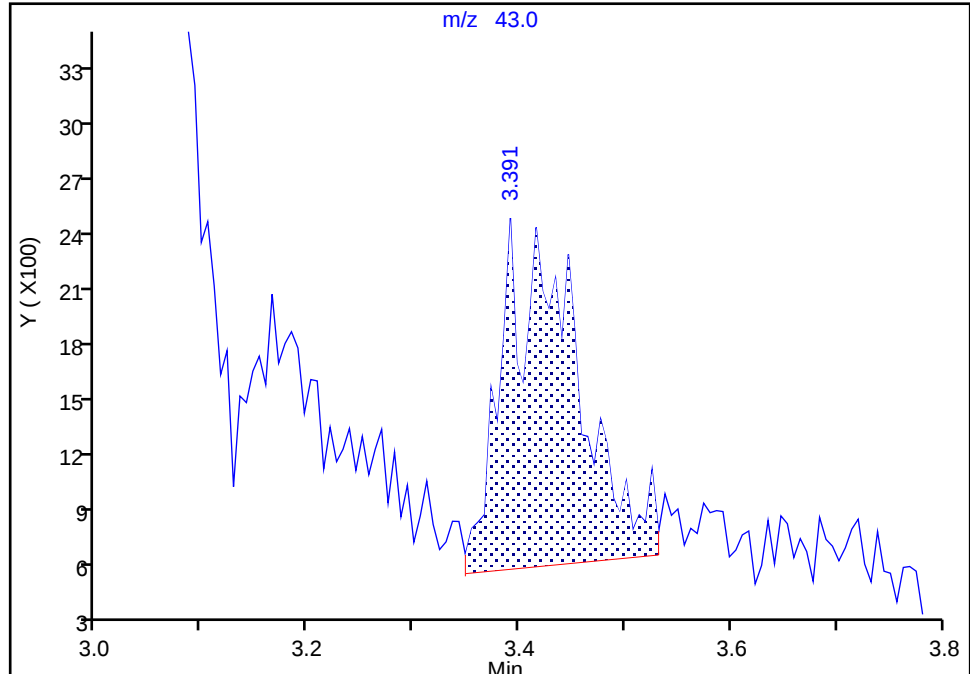
Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X14.D
Injection Date: 03-Dec-2024 16:50:30 Instrument ID: 16334
Lims ID: IC std3
Client ID:
Operator ID: knk41612 ALS Bottle#: 4 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

25 Methyl acetate, CAS: 79-20-9

Signal: 1

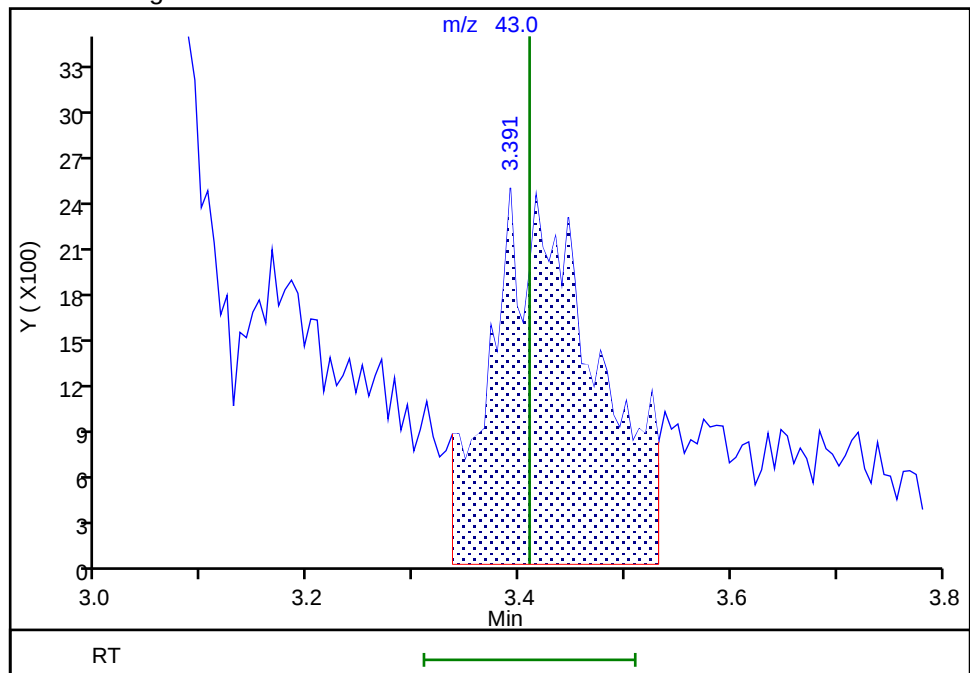
RT: 3.39
Area: 9066
Amount: 0.891993
Amount Units: ug/l

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

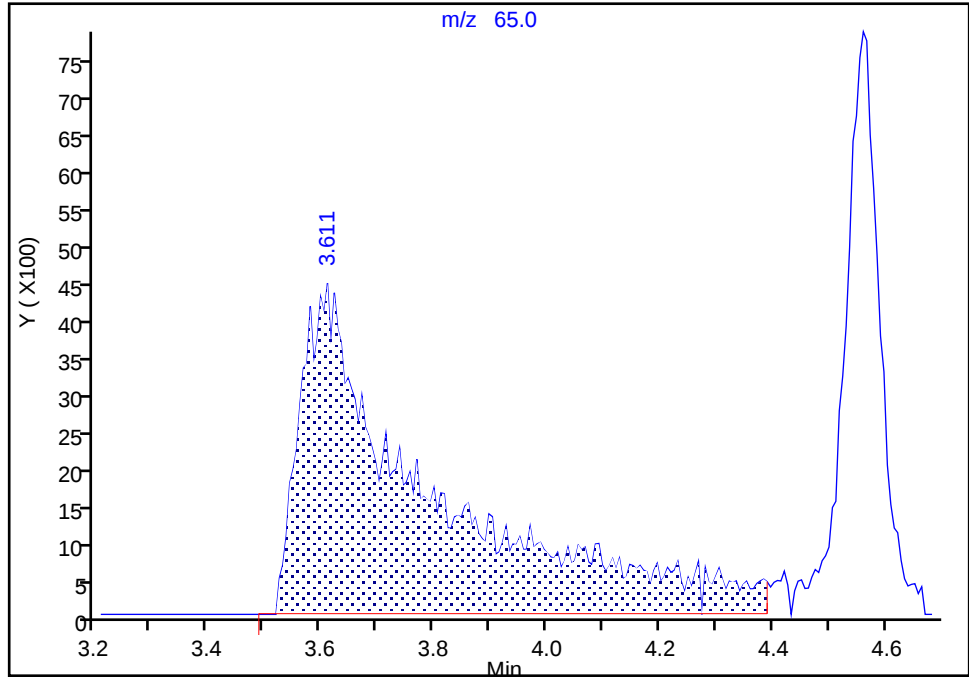
Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X14.D
Injection Date: 03-Dec-2024 16:50:30 Instrument ID: 16334
Lims ID: IC std3
Client ID:
Operator ID: knk41612 ALS Bottle#: 4 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

* 30 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

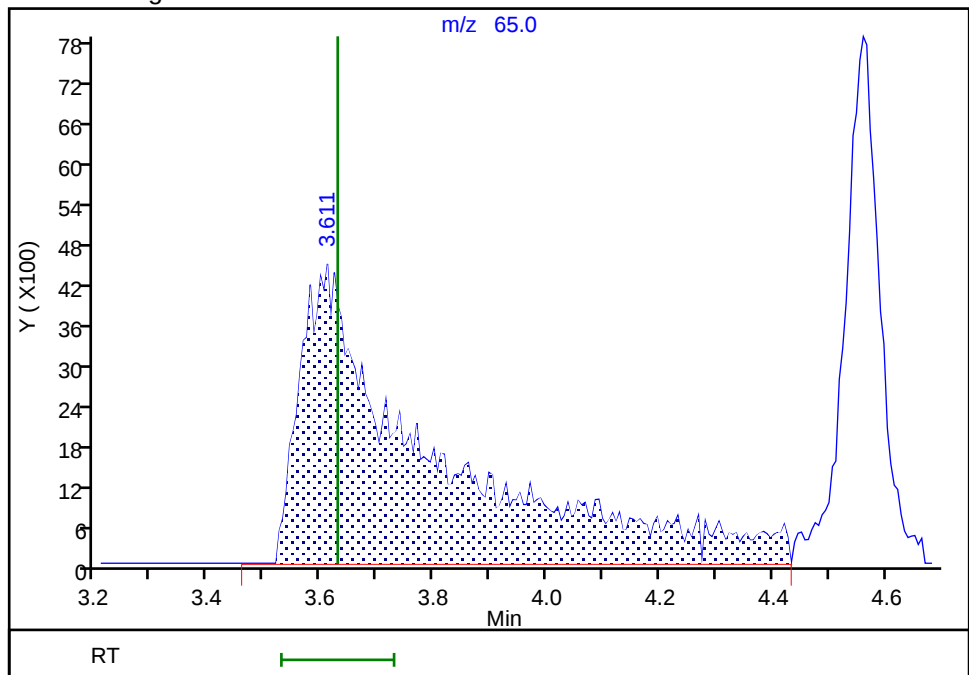
RT: 3.61
Area: 69551
Amount: 49.998300
Amount Units: ug/l

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

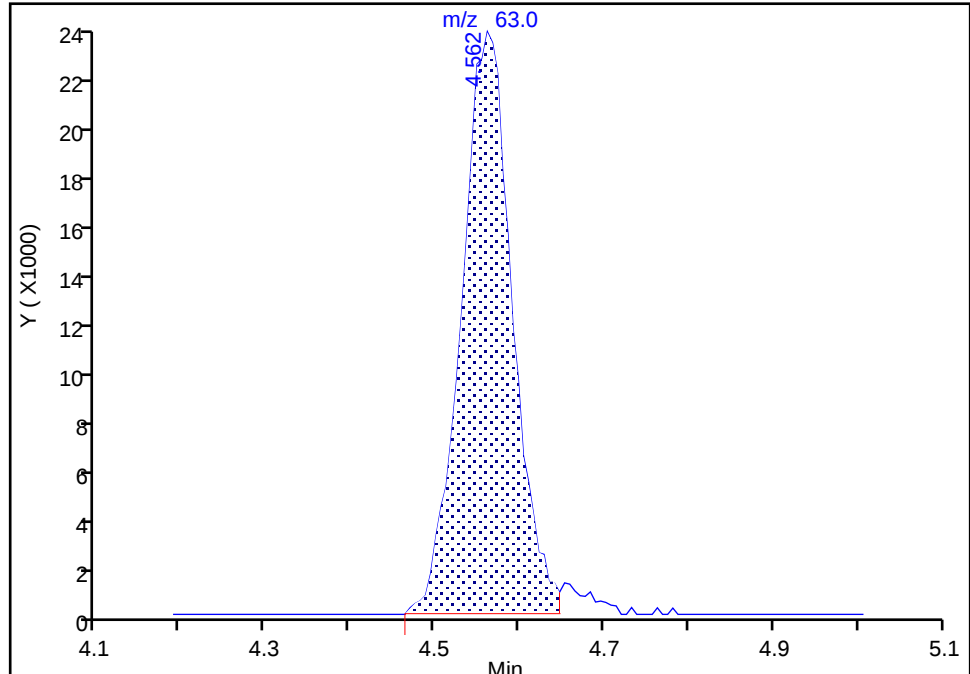
Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X14.D
Injection Date: 03-Dec-2024 16:50:30 Instrument ID: 16334
Lims ID: IC std3
Client ID:
Operator ID: knk41612 ALS Bottle#: 4 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm i.d.) Detector: MS Quad

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

Signal: 1

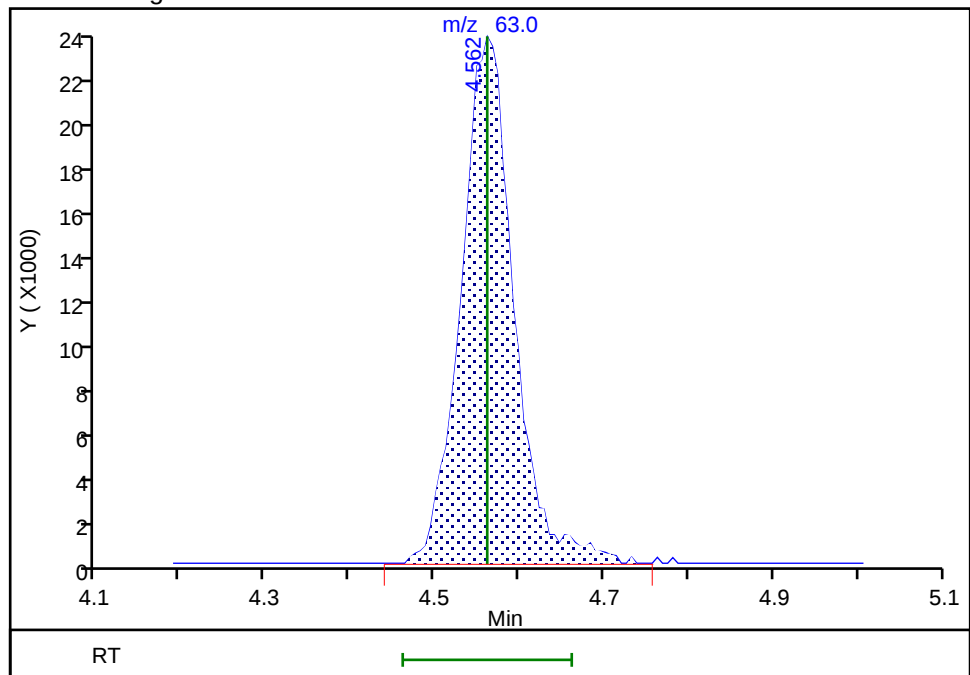
RT: 4.56
Area: 97478
Amount: 1.058013
Amount Units: ug/l

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

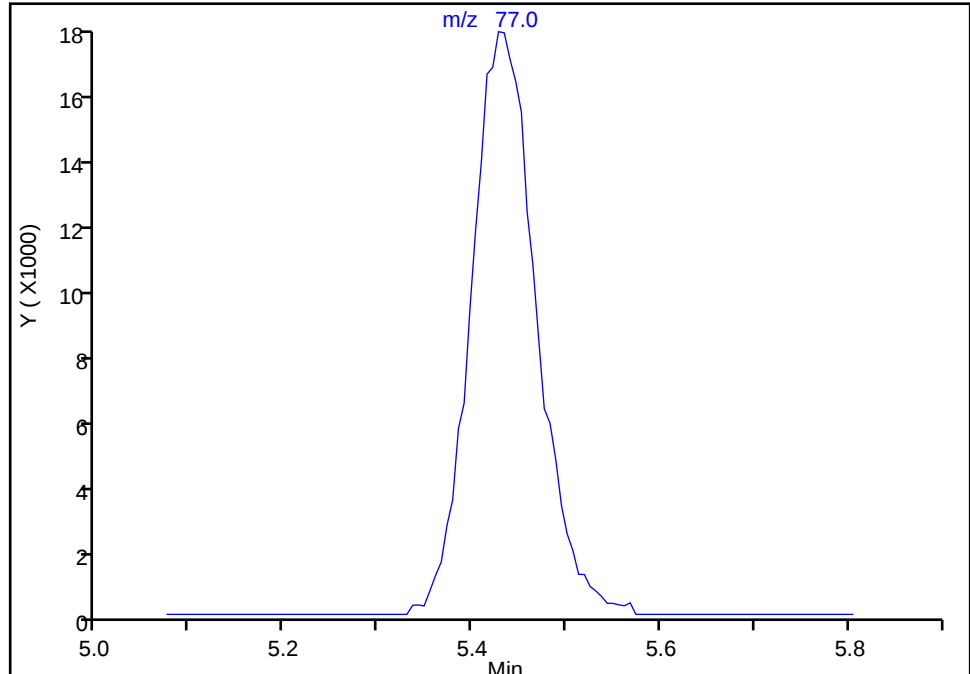
Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X14.D
Injection Date: 03-Dec-2024 16:50:30 Instrument ID: 16334
Lims ID: IC std3
Client ID:
Operator ID: knk41612 ALS Bottle#: 4 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

43 2,2-Dichloropropane, CAS: 594-20-7

Signal: 1

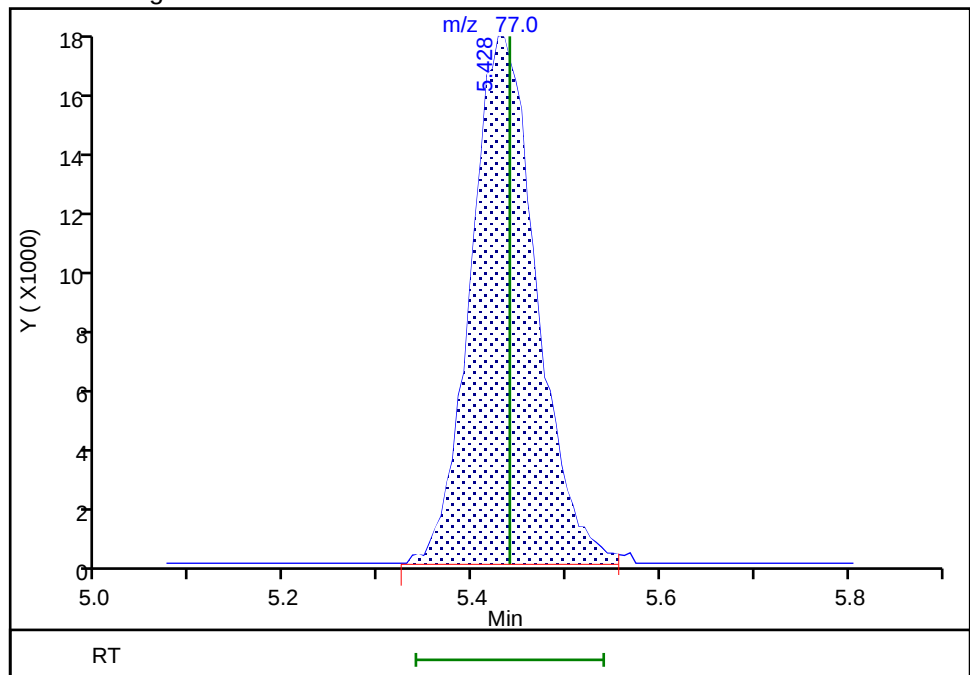
Not Detected
Expected RT: 5.44

Processing Integration Results



RT: 5.43
Area: 84869
Amount: 1.076993
Amount Units: ug/l

Manual Integration Results



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

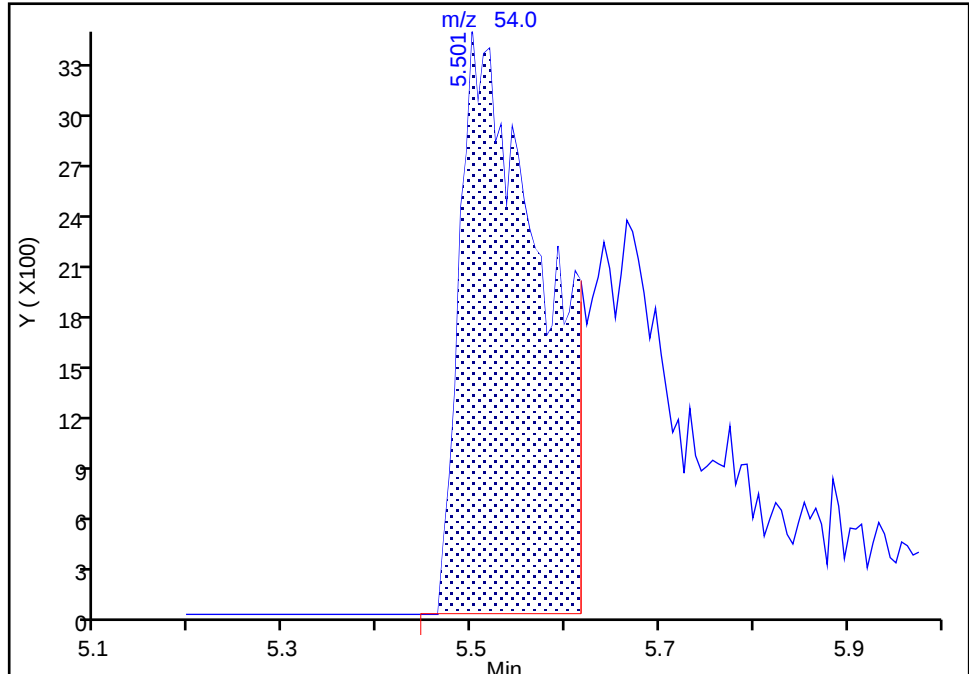
Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X14.D
Injection Date: 03-Dec-2024 16:50:30 Instrument ID: 16334
Lims ID: IC std3
Client ID:
Operator ID: knk41612 ALS Bottle#: 4 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm i.d.) Detector: MS Quad

45 Propionitrile, CAS: 107-12-0

Signal: 1

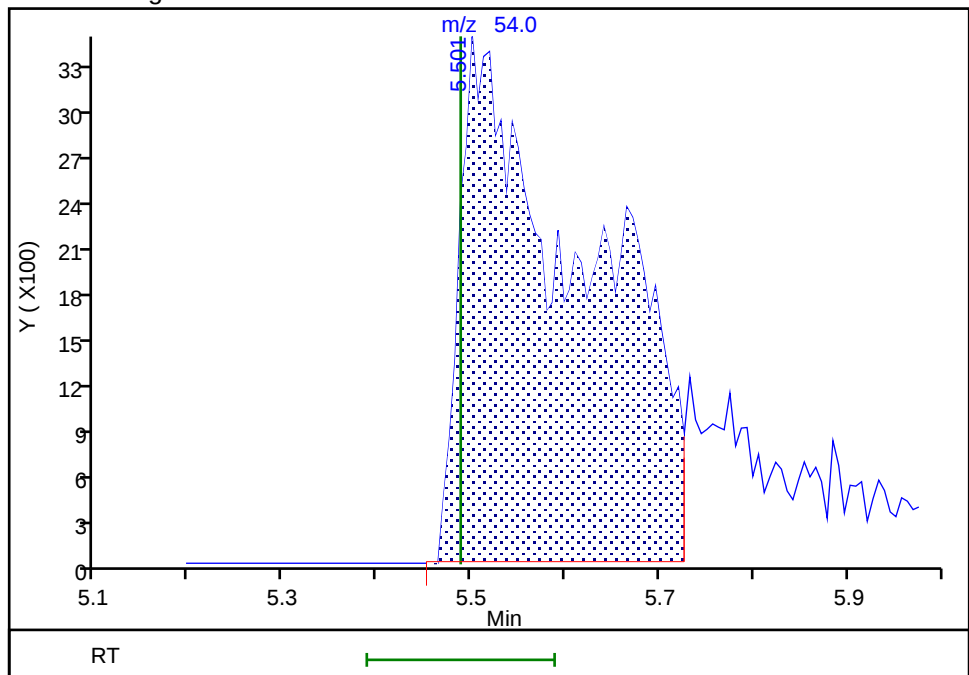
RT: 5.50
Area: 20631
Amount: 15.041442
Amount Units: ug/l

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

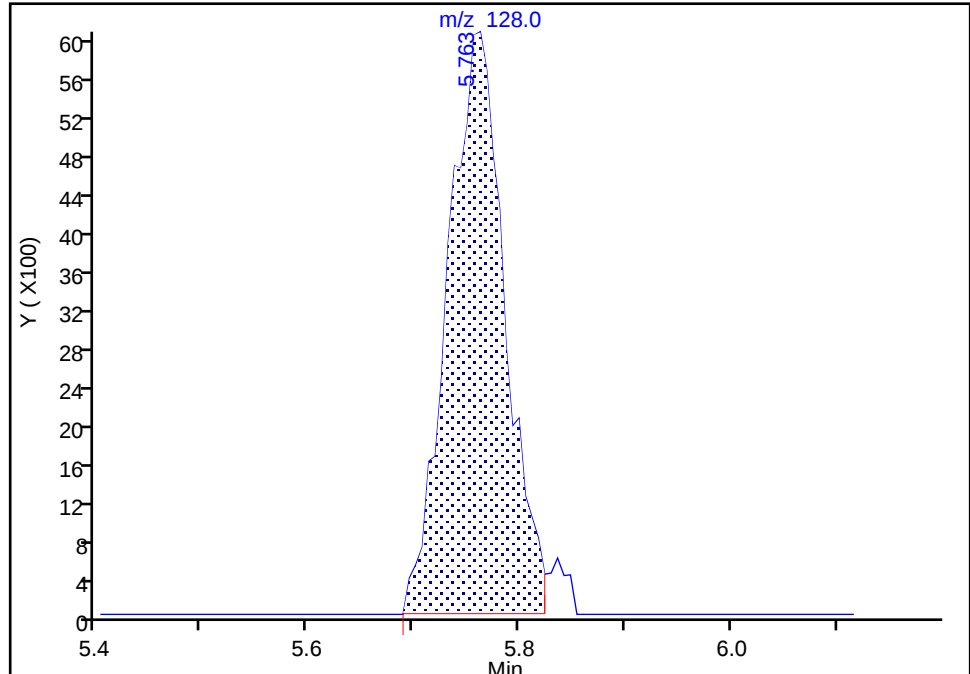
Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X14.D
Injection Date: 03-Dec-2024 16:50:30 Instrument ID: 16334
Lims ID: IC std3
Client ID:
Operator ID: knk41612 ALS Bottle#: 4 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

49 Chlorobromomethane, CAS: 74-97-5

Signal: 1

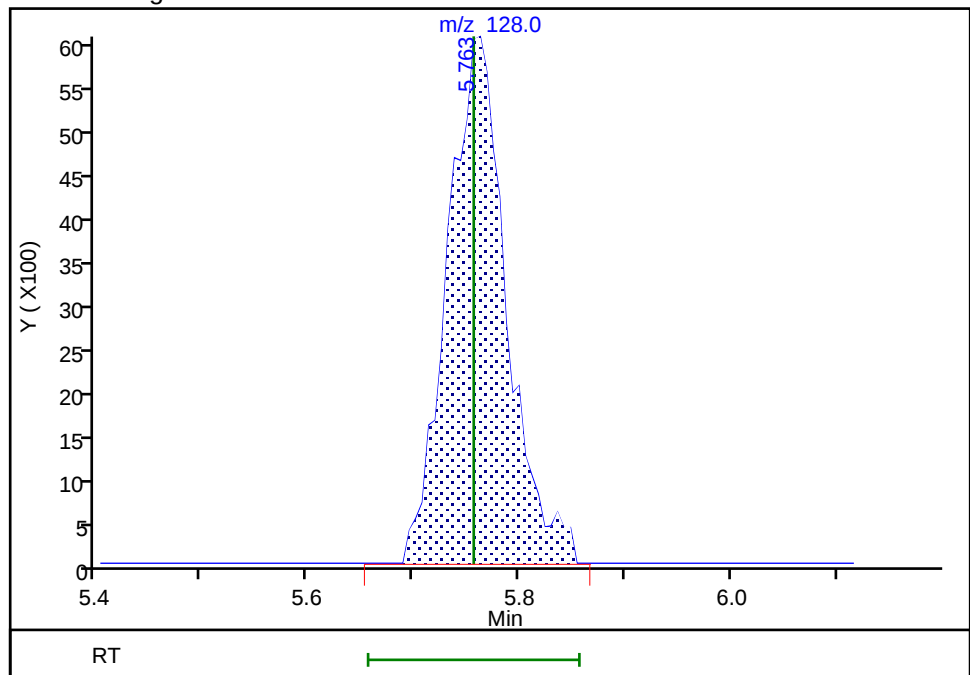
RT: 5.76
Area: 22830
Amount: 1.093836
Amount Units: ug/l

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

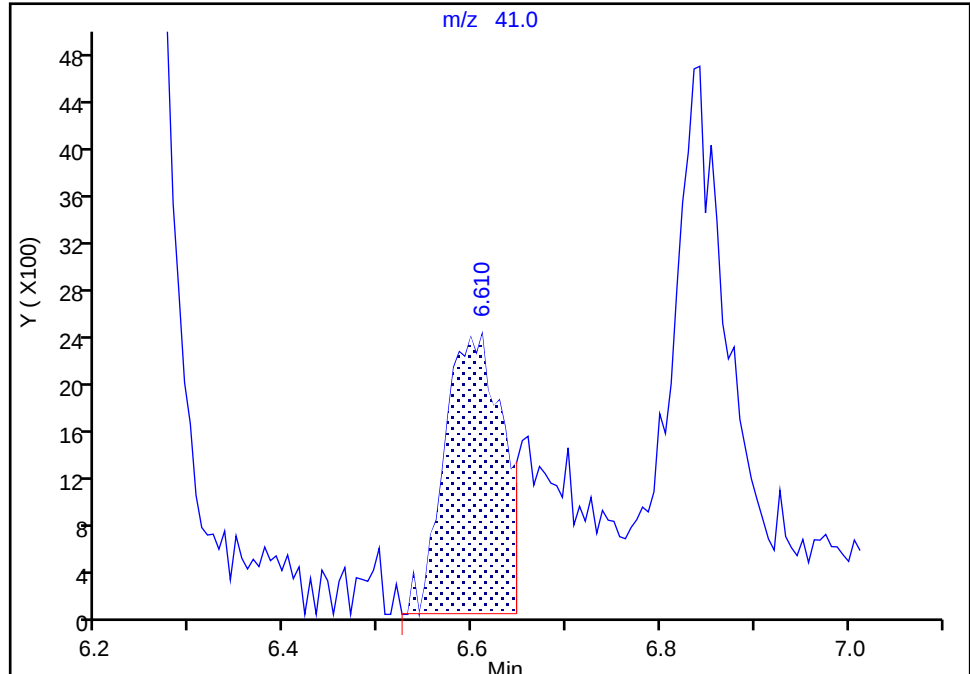
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Injection Date: 03-Dec-2024 16:50:30 Instrument ID: 16334
Lims ID: IC std3
Client ID:
Operator ID: knk41612 ALS Bottle#: 4 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

58 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

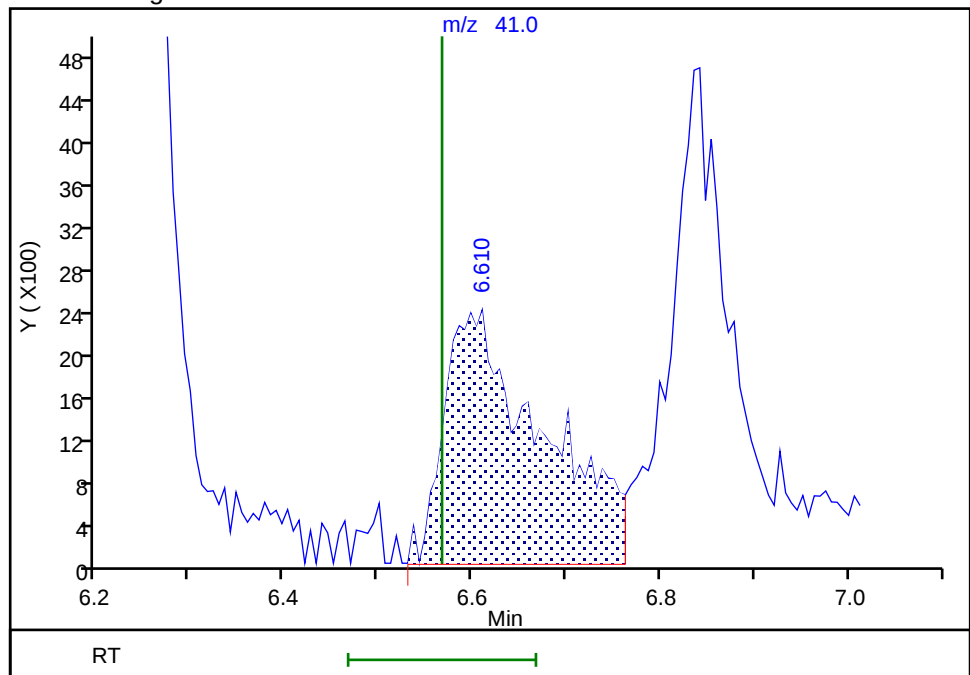
RT: 6.61
Area: 10343
Amount: 31.344592
Amount Units: ug/l

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

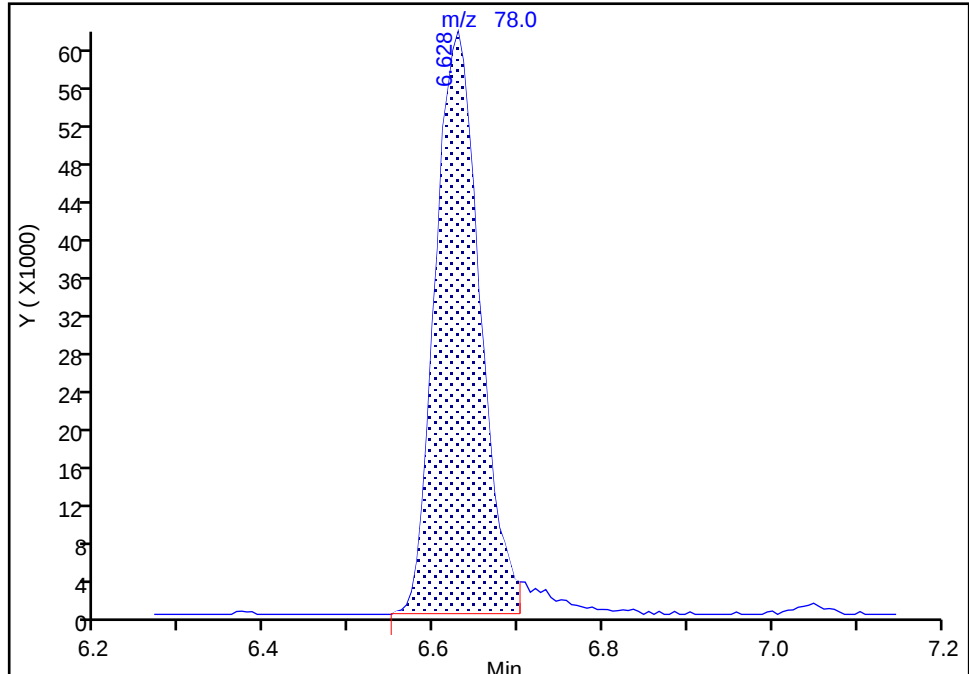
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Injection Date: 03-Dec-2024 16:50:30 Instrument ID: 16334
Lims ID: IC std3
Client ID:
Operator ID: knk41612 ALS Bottle#: 4 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

60 Benzene, CAS: 71-43-2

Signal: 1

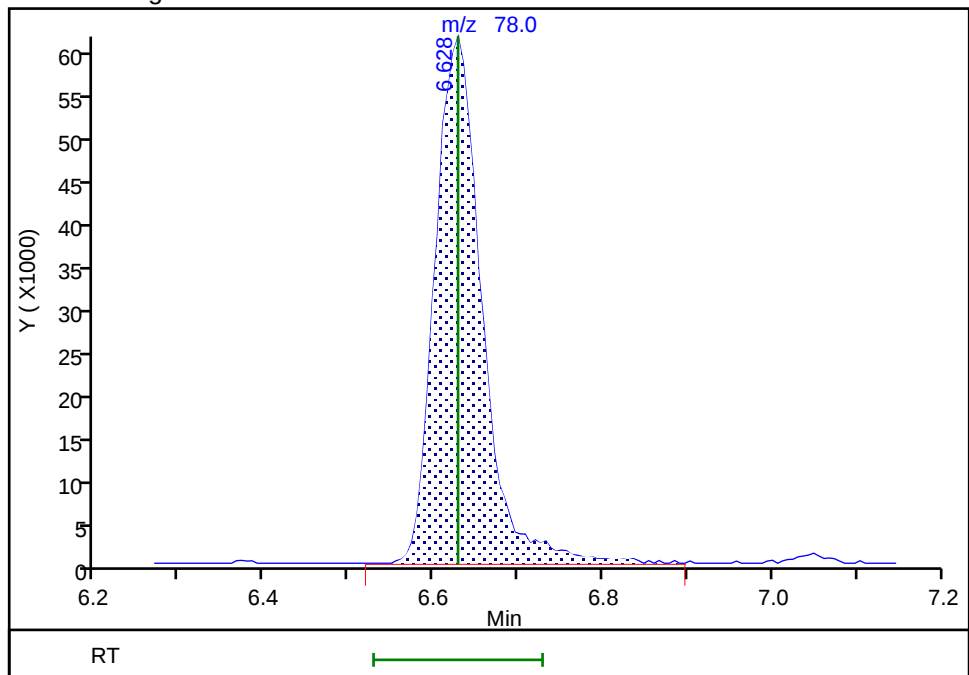
RT: 6.63
Area: 227284
Amount: 1.069740
Amount Units: ug/l

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

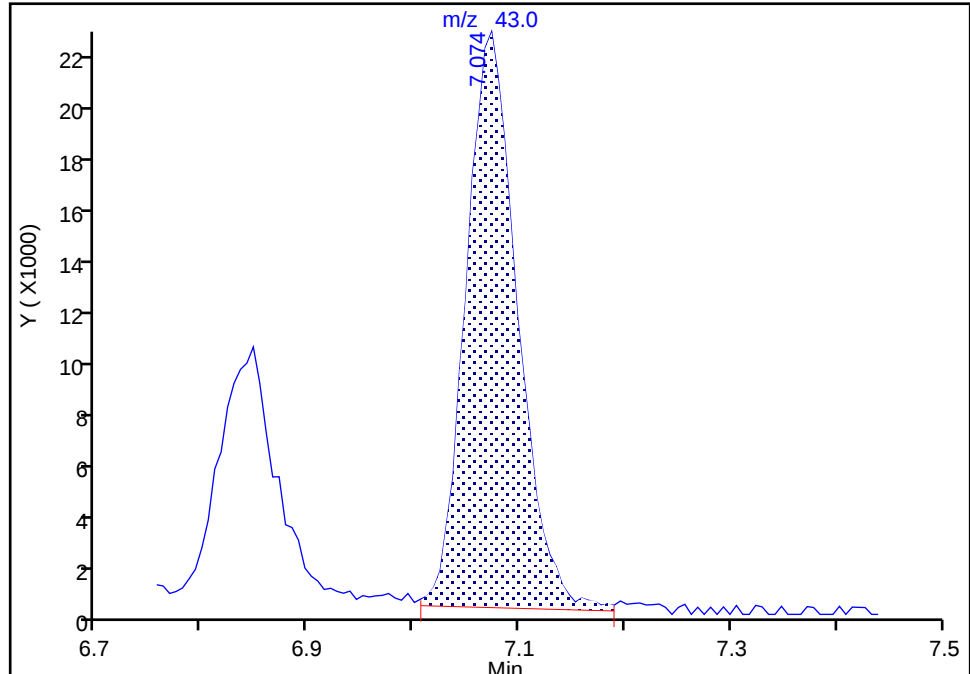
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Injection Date: 03-Dec-2024 16:50:30 Instrument ID: 16334
Lims ID: IC std3
Client ID:
Operator ID: knk41612 ALS Bottle#: 4 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

65 n-Heptane, CAS: 142-82-5

Signal: 1

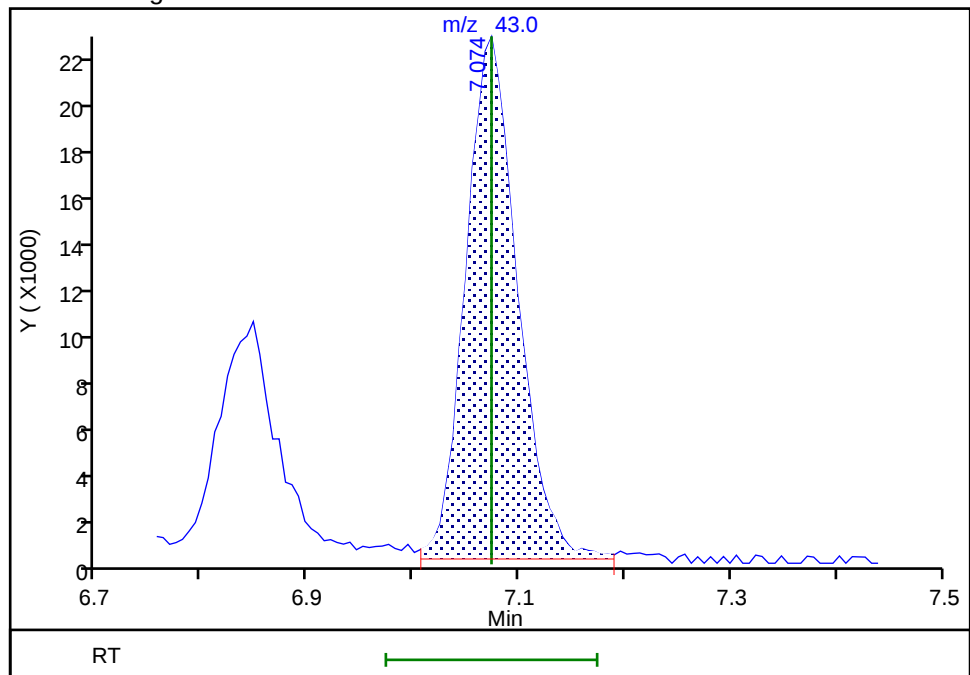
RT: 7.07
Area: 75441
Amount: 1.151686
Amount Units: ug/l

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

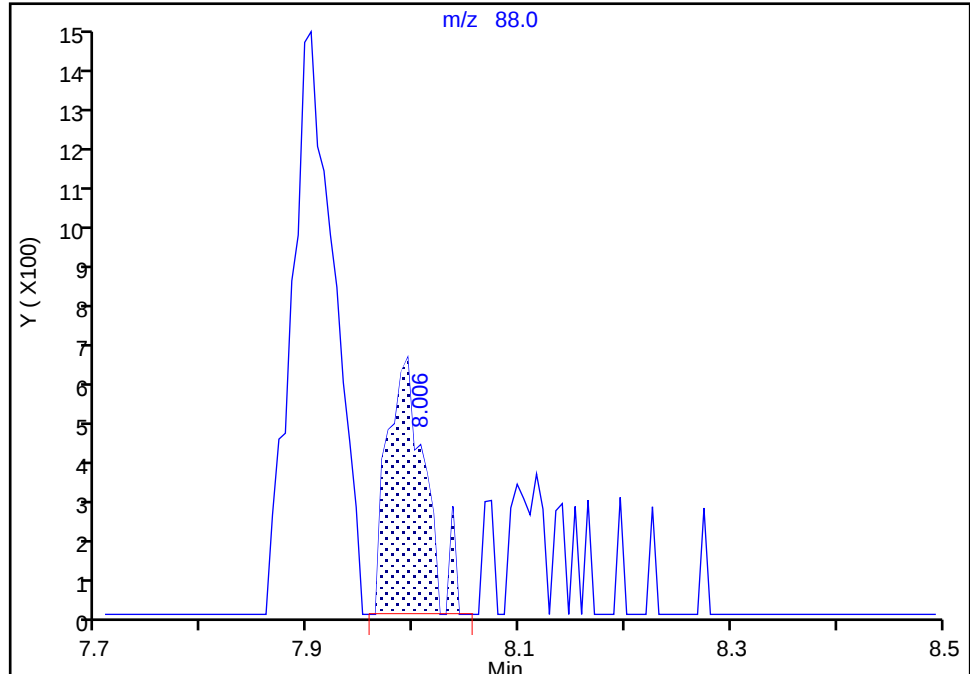
Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X14.D
Injection Date: 03-Dec-2024 16:50:30 Instrument ID: 16334
Lims ID: IC std3
Client ID:
Operator ID: knk41612 ALS Bottle#: 4 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

73 1,4-Dioxane, CAS: 123-91-1

Signal: 1

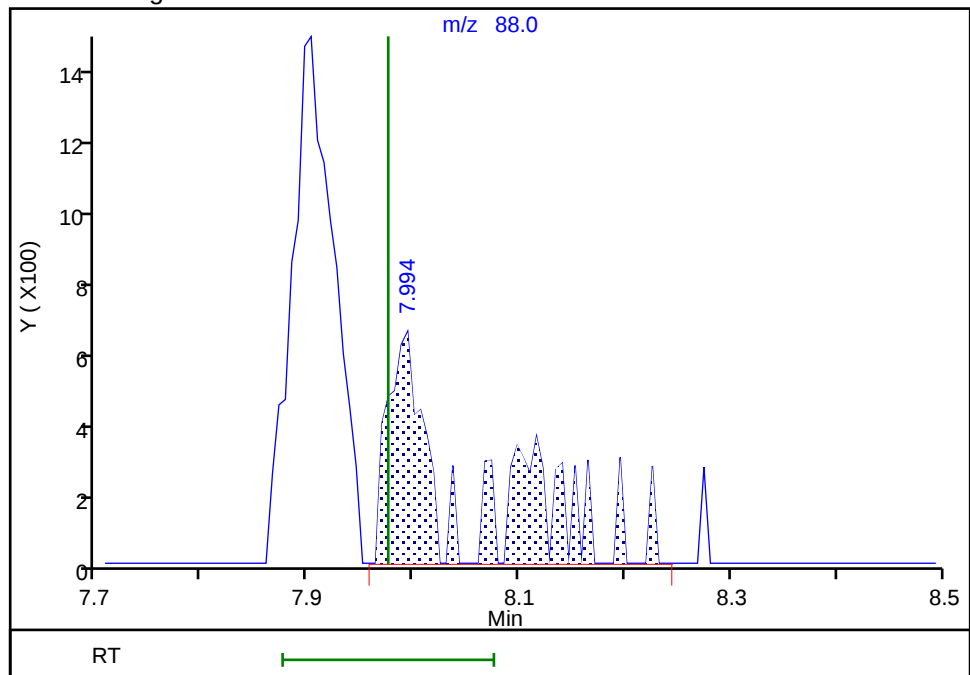
RT: 8.01
Area: 1584
Amount: 35.446021
Amount Units: ug/l

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

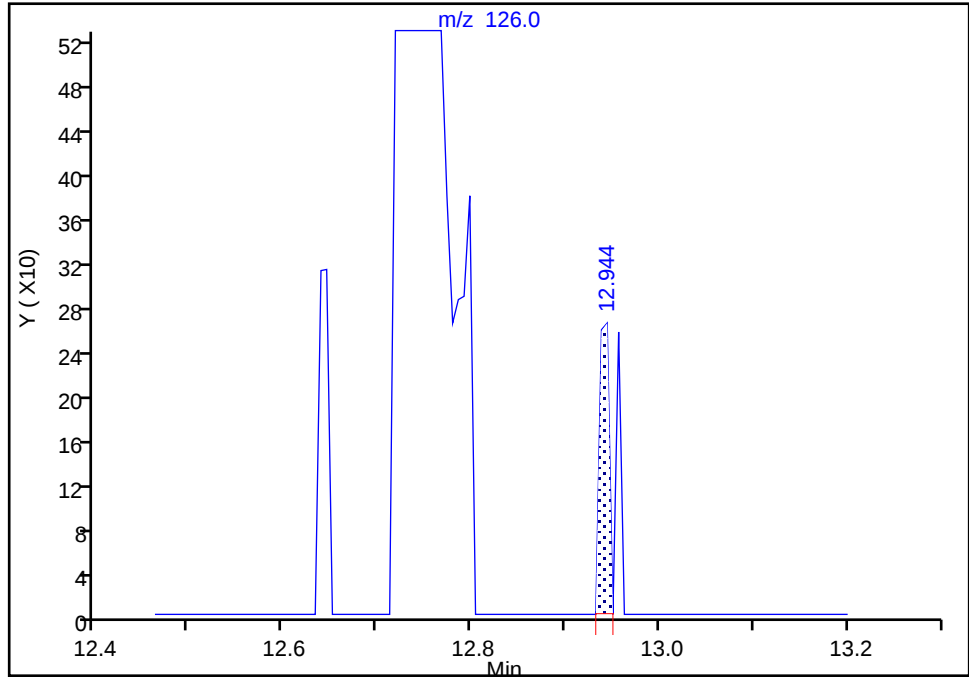
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Injection Date: 03-Dec-2024 16:50:30 Instrument ID: 16334
Lims ID: IC std3
Client ID:
Operator ID: knk41612 ALS Bottle#: 4 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm i.d.) Detector: MS Quad

145 Benzyl chloride, CAS: 100-44-7

Signal: 1

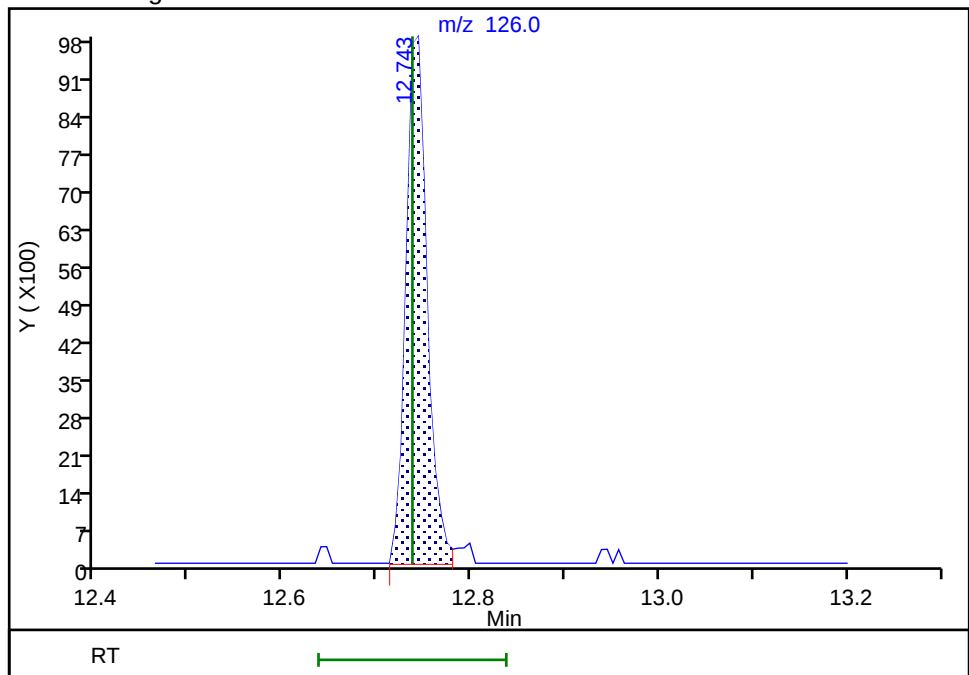
RT: 12.94
Area: 189
Amount: 0.713118
Amount Units: ug/l

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

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

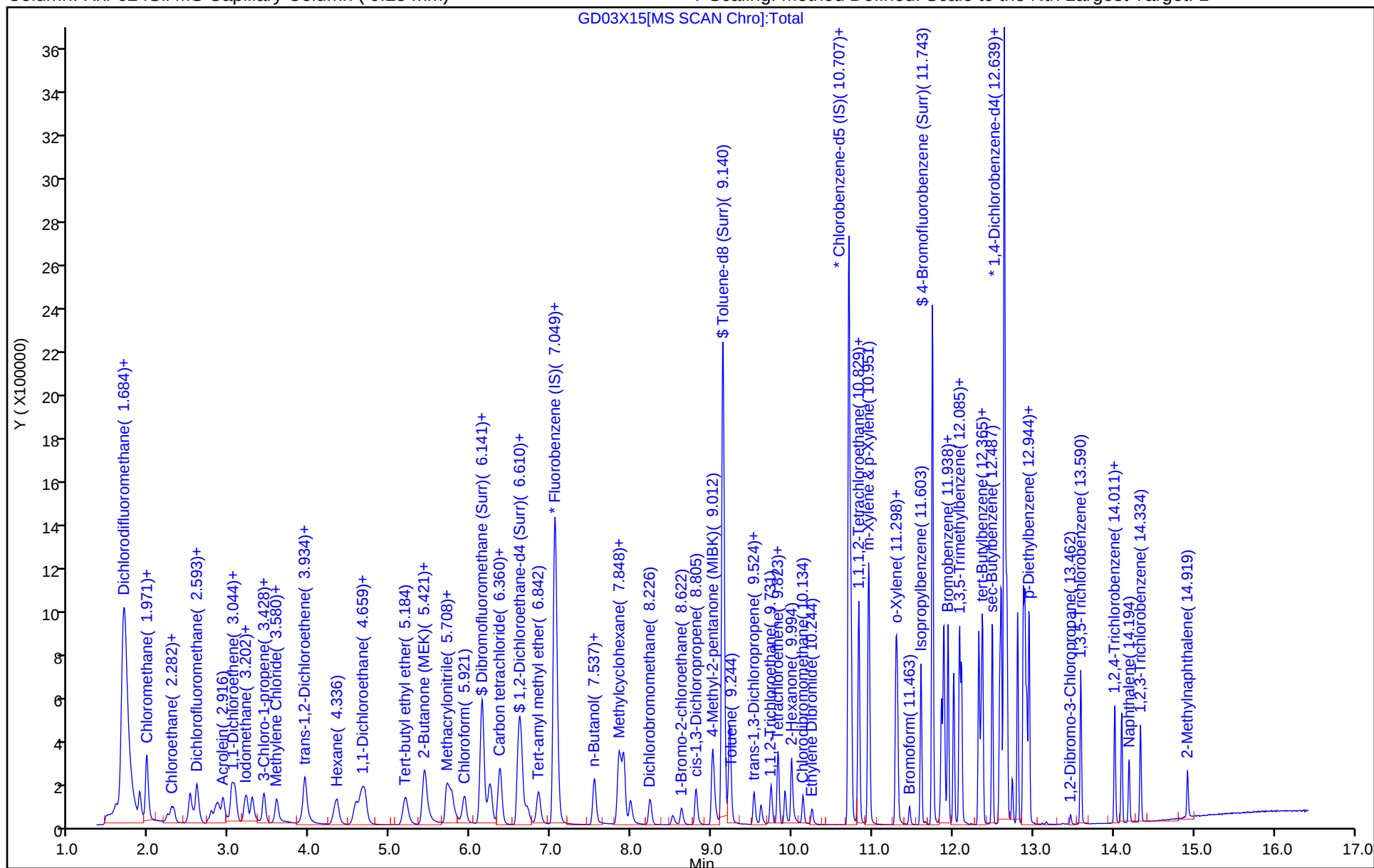
ALS Bottle#: 5

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



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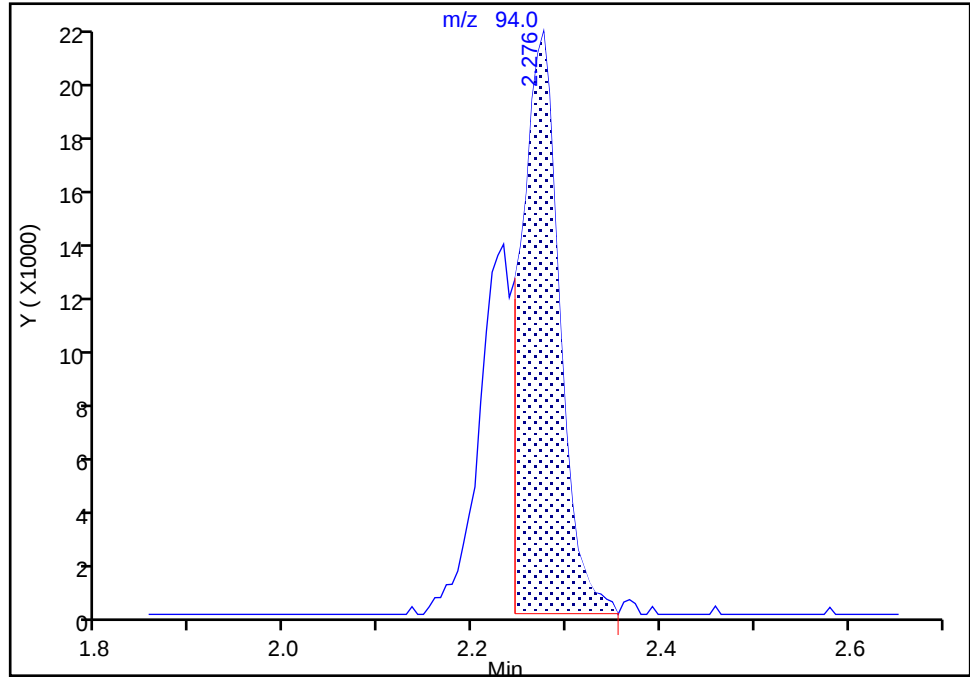
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Injection Date: 03-Dec-2024 17:12:30 Instrument ID: 16334
Lims ID: IC std4
Client ID:
Operator ID: knk41612 ALS Bottle#: 5 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm i.d.) Detector: MS Quad

9 Bromomethane, CAS: 74-83-9

Signal: 1

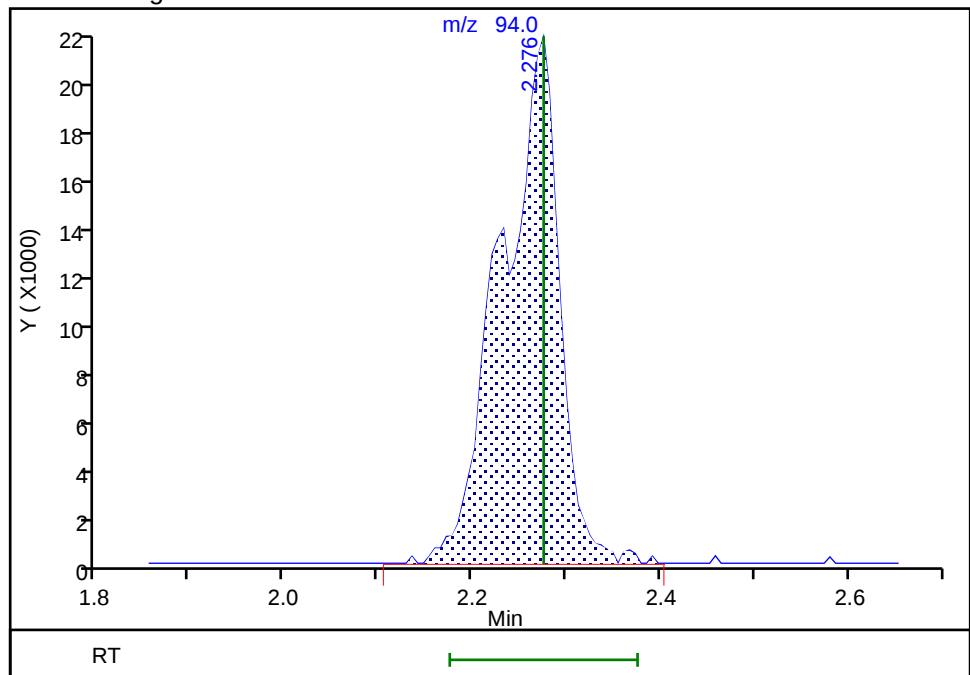
RT: 2.28
Area: 59606
Amount: 1.735074
Amount Units: ug/l

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

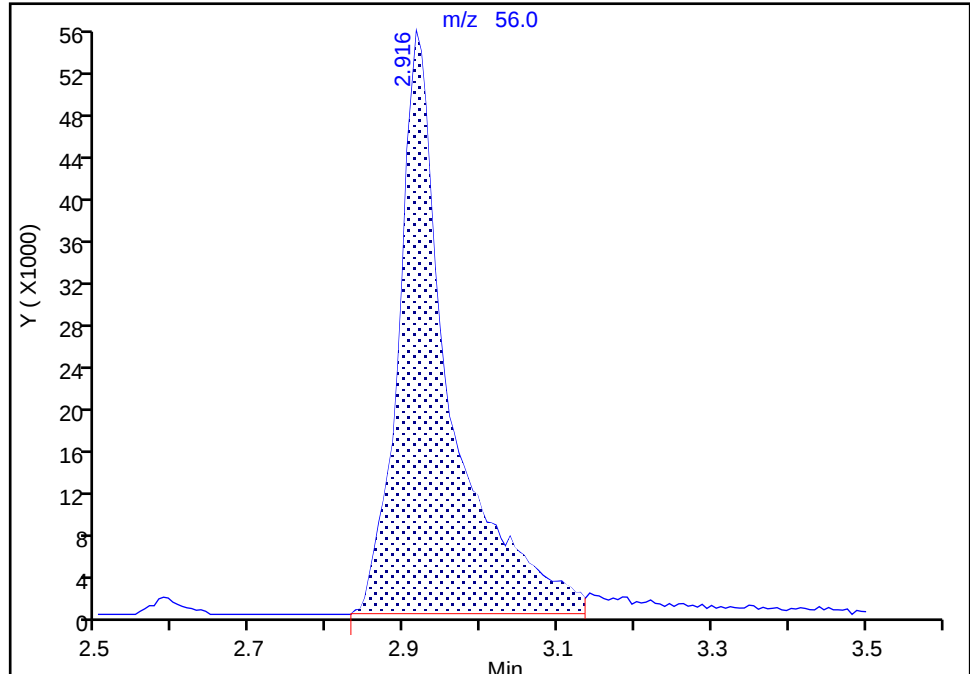
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Injection Date: 03-Dec-2024 17:12:30 Instrument ID: 16334
Lims ID: IC std4
Client ID:
Operator ID: knk41612 ALS Bottle#: 5 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

17 Acrolein, CAS: 107-02-8

Signal: 1

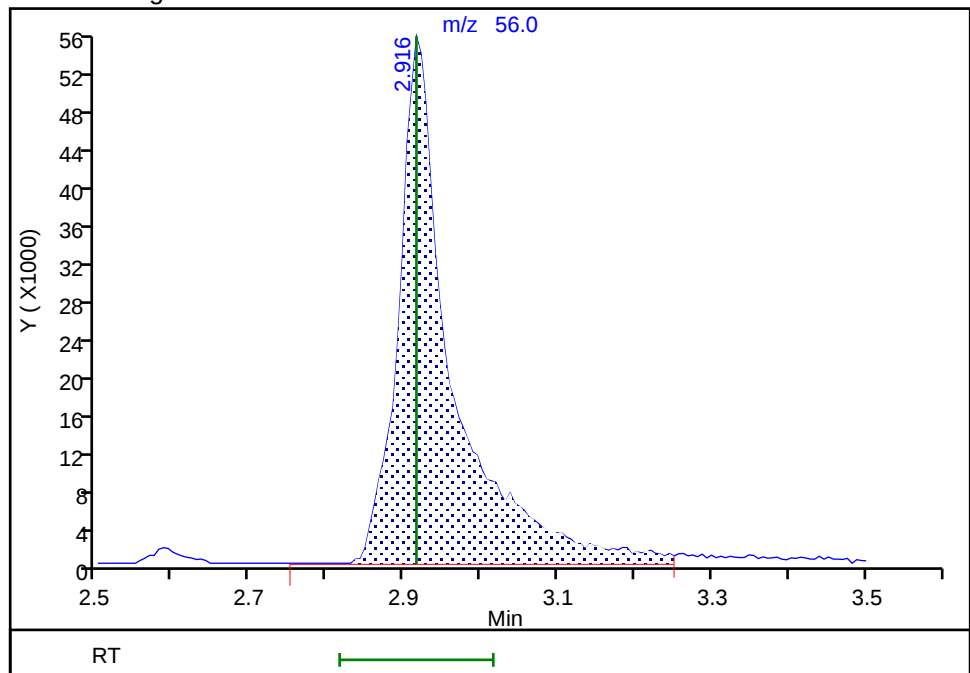
RT: 2.92
Area: 258704
Amount: 85.339852
Amount Units: ug/l

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

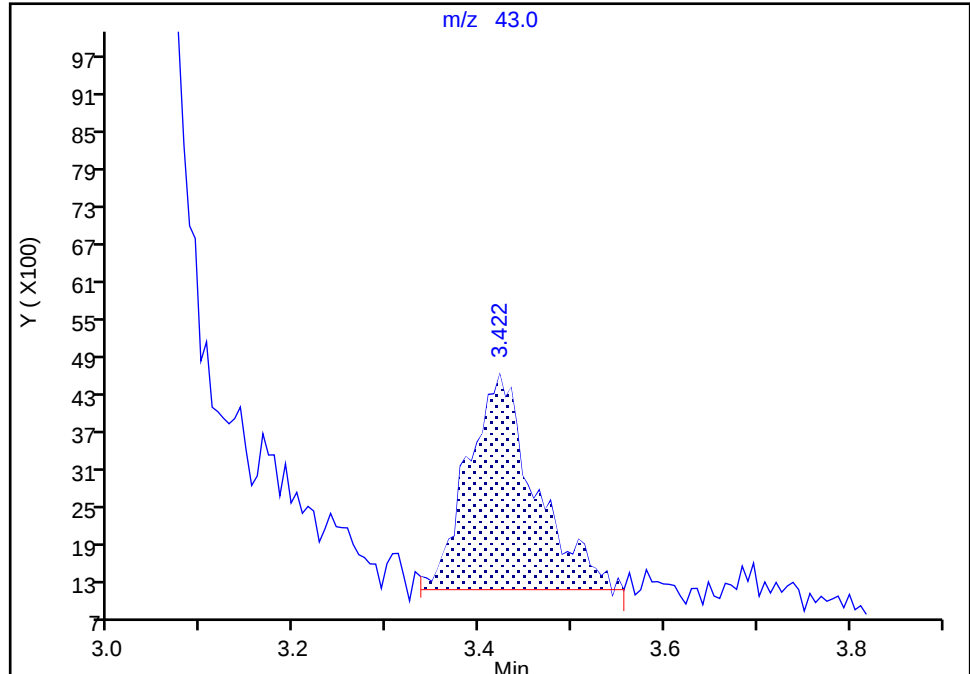
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Injection Date: 03-Dec-2024 17:12:30 Instrument ID: 16334
Lims ID: IC std4
Client ID:
Operator ID: knk41612 ALS Bottle#: 5 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm i.d.) Detector: MS Quad

25 Methyl acetate, CAS: 79-20-9

Signal: 1

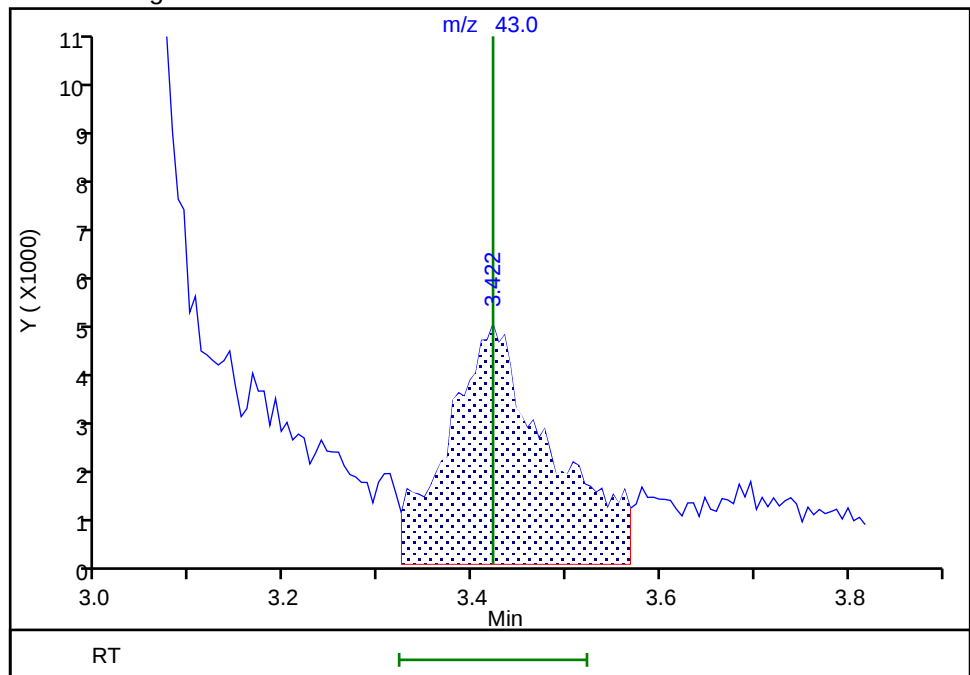
RT: 3.42
Area: 17412
Amount: 1.079086
Amount Units: ug/l

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

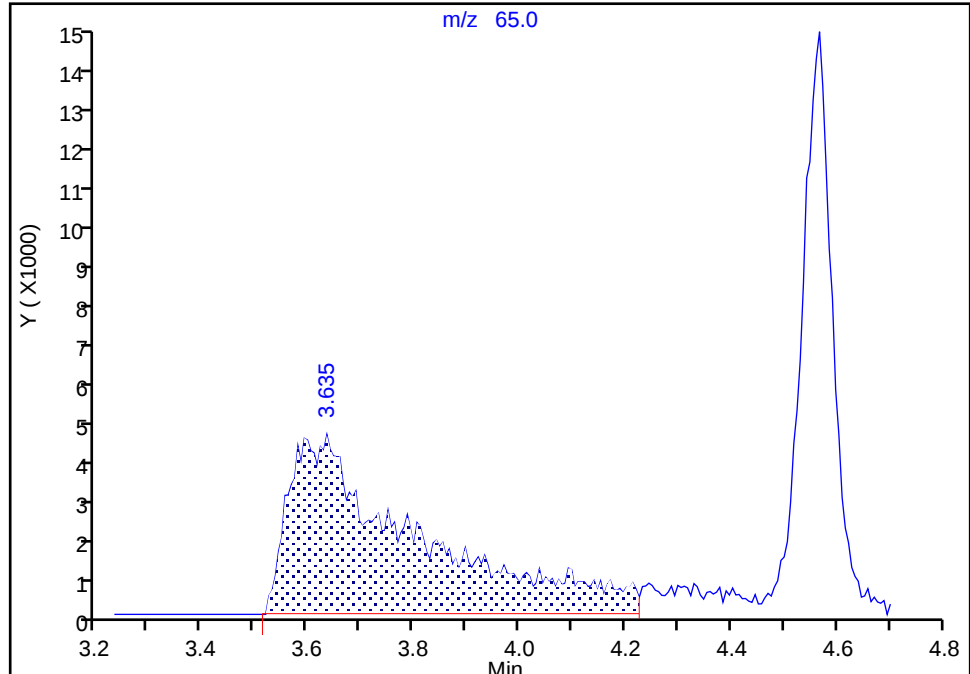
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Injection Date: 03-Dec-2024 17:12:30 Instrument ID: 16334
Lims ID: IC std4
Client ID:
Operator ID: knk41612 ALS Bottle#: 5 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

* 30 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

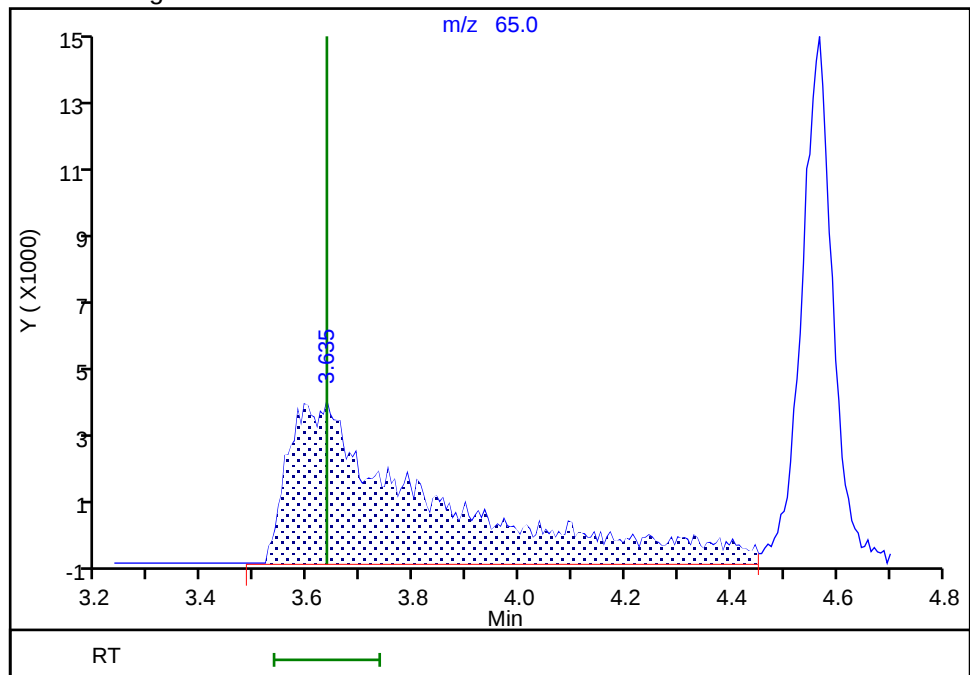
RT: 3.64
Area: 74666
Amount: 49.998300
Amount Units: ug/l

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

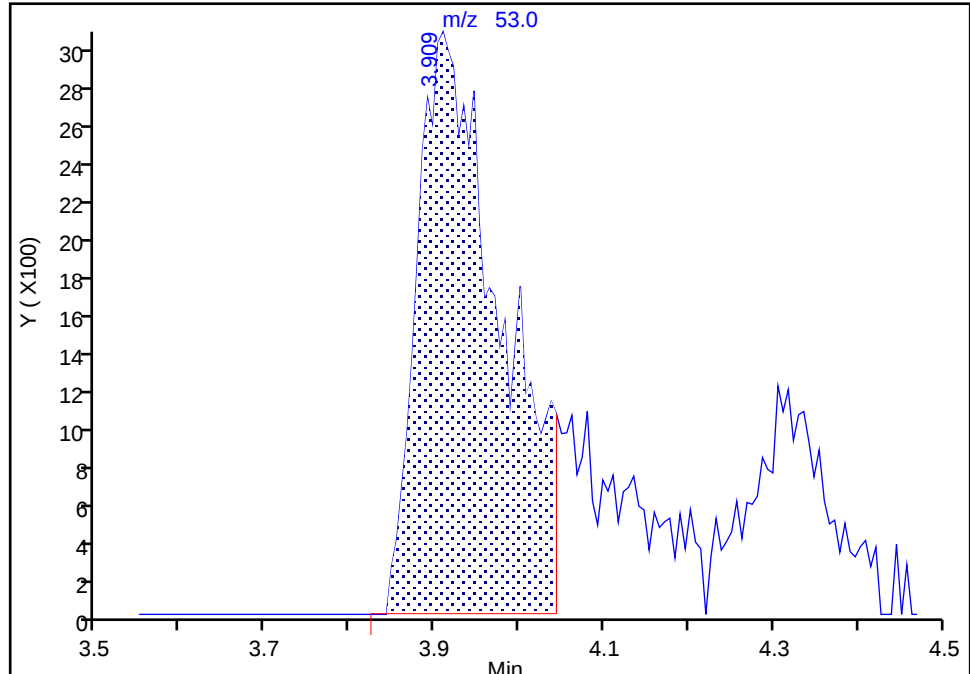
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Injection Date: 03-Dec-2024 17:12:30 Instrument ID: 16334
Lims ID: IC std4
Client ID:
Operator ID: knk41612 ALS Bottle#: 5 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm i.d.) Detector: MS Quad

32 Acrylonitrile, CAS: 107-13-1

Signal: 1

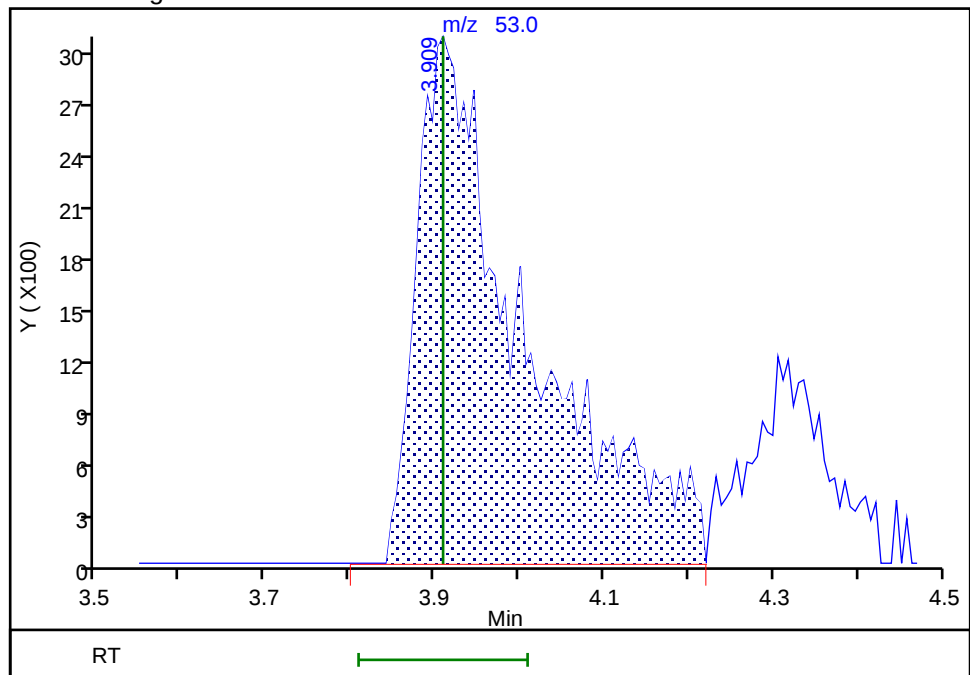
RT: 3.91
Area: 20959
Amount: 3.799702
Amount Units: ug/l

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

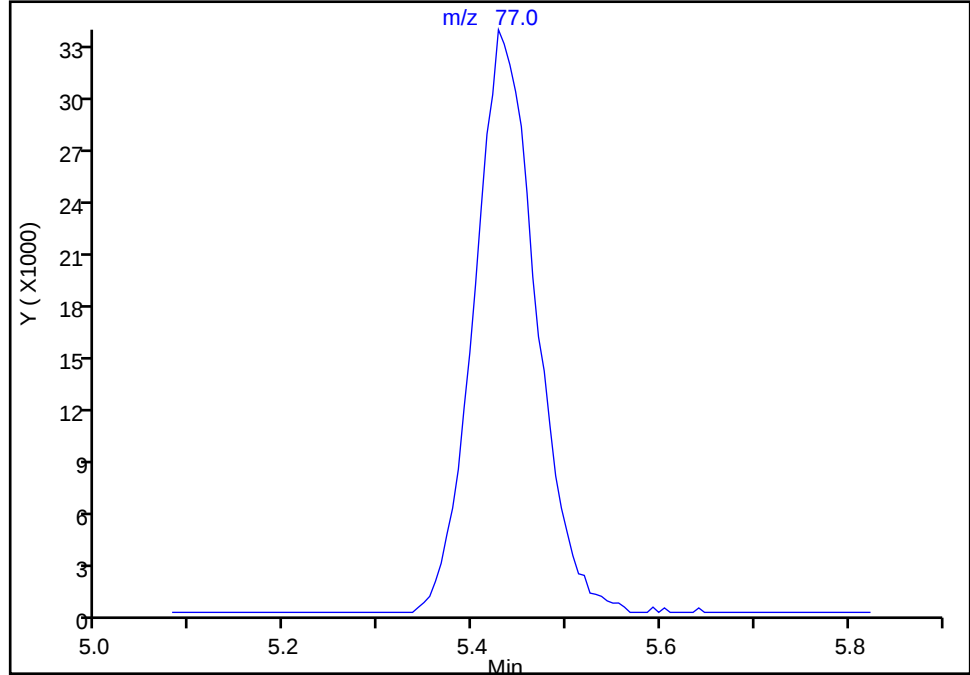
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Injection Date: 03-Dec-2024 17:12:30 Instrument ID: 16334
Lims ID: IC std4
Client ID:
Operator ID: knk41612 ALS Bottle#: 5 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

43 2,2-Dichloropropane, CAS: 594-20-7

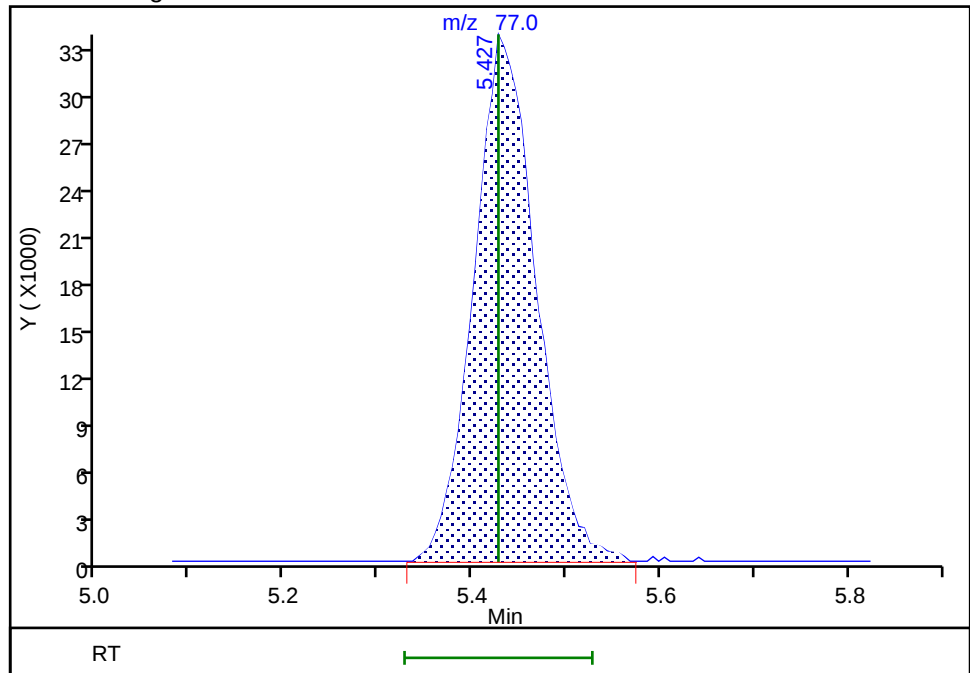
Signal: 1

Not Detected
Expected RT: 5.43

Processing Integration Results



Manual Integration Results



RT: 5.43
Area: 153705
Amount: 1.785666
Amount Units: ug/l

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

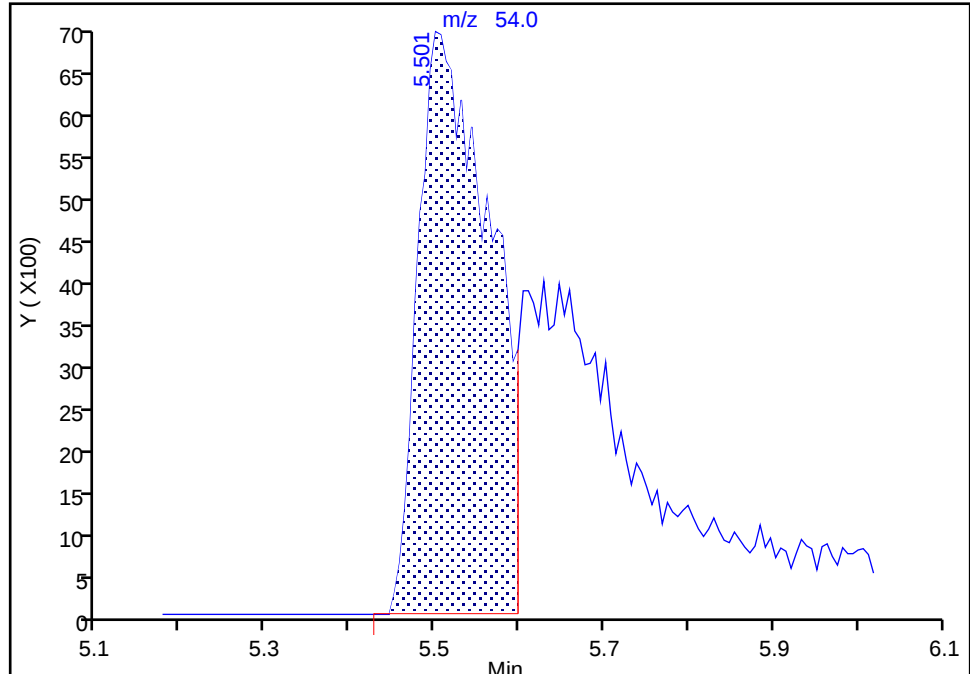
Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X15.D
Injection Date: 03-Dec-2024 17:12:30 Instrument ID: 16334
Lims ID: IC std4
Client ID:
Operator ID: knk41612 ALS Bottle#: 5 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

45 Propionitrile, CAS: 107-12-0

Signal: 1

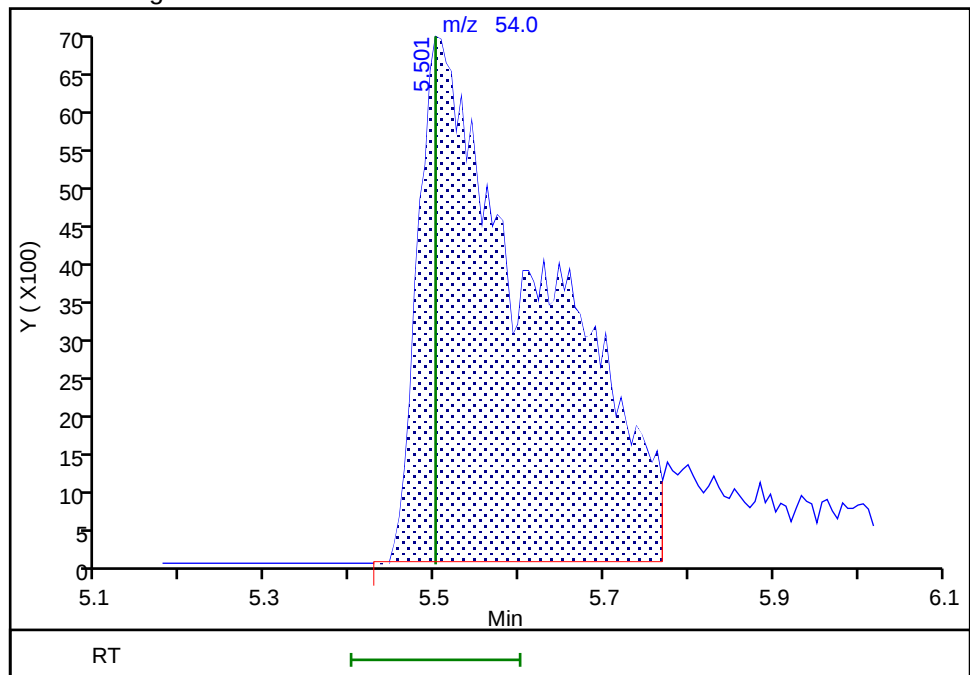
RT: 5.50
Area: 41238
Amount: 27.446350
Amount Units: ug/l

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

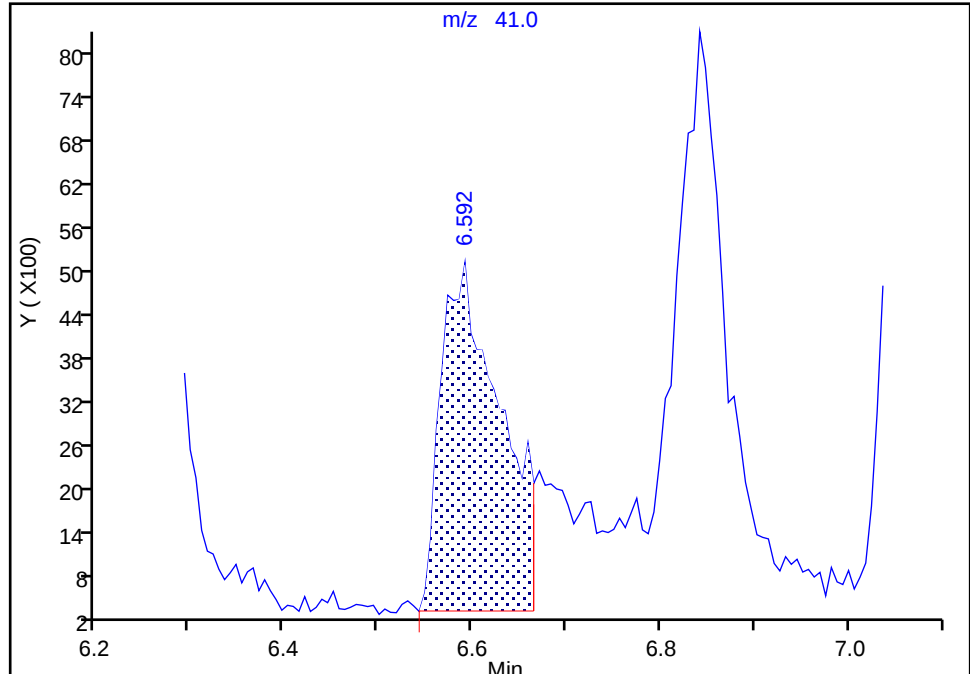
Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X15.D
Injection Date: 03-Dec-2024 17:12:30 Instrument ID: 16334
Lims ID: IC std4
Client ID:
Operator ID: knk41612 ALS Bottle#: 5 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

58 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

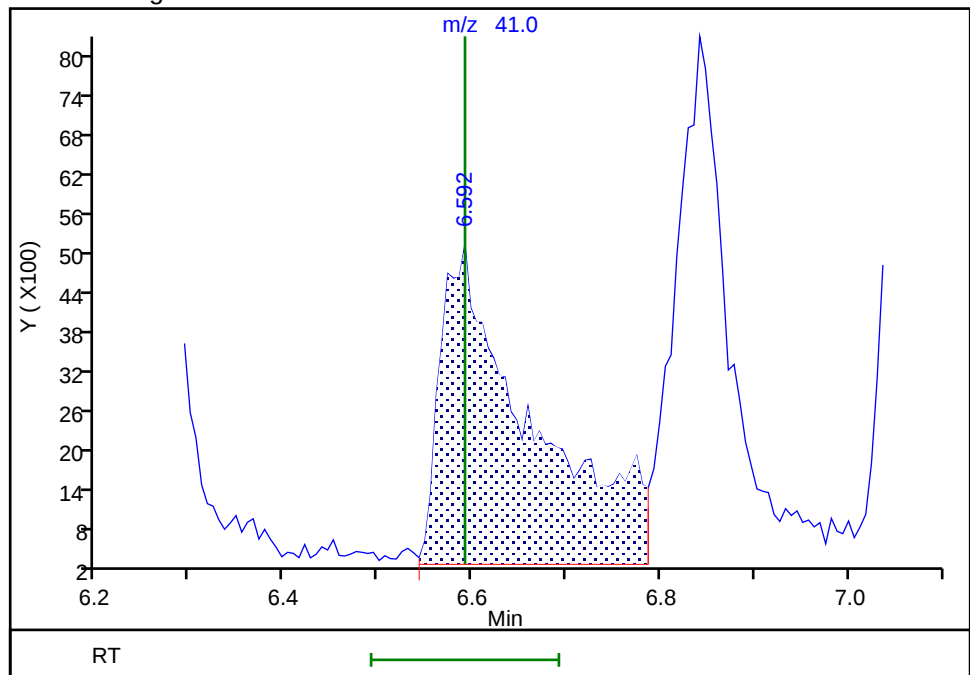
RT: 6.59
Area: 21074
Amount: 61.215291
Amount Units: ug/l

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

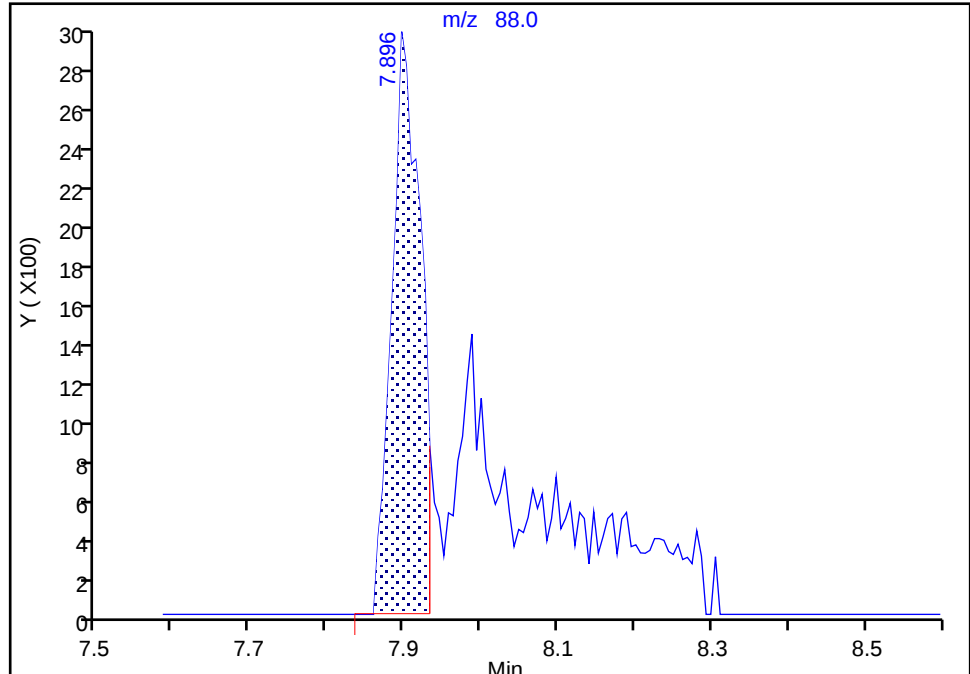
Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X15.D
Injection Date: 03-Dec-2024 17:12:30 Instrument ID: 16334
Lims ID: IC std4
Client ID:
Operator ID: knk41612 ALS Bottle#: 5 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

73 1,4-Dioxane, CAS: 123-91-1

Signal: 1

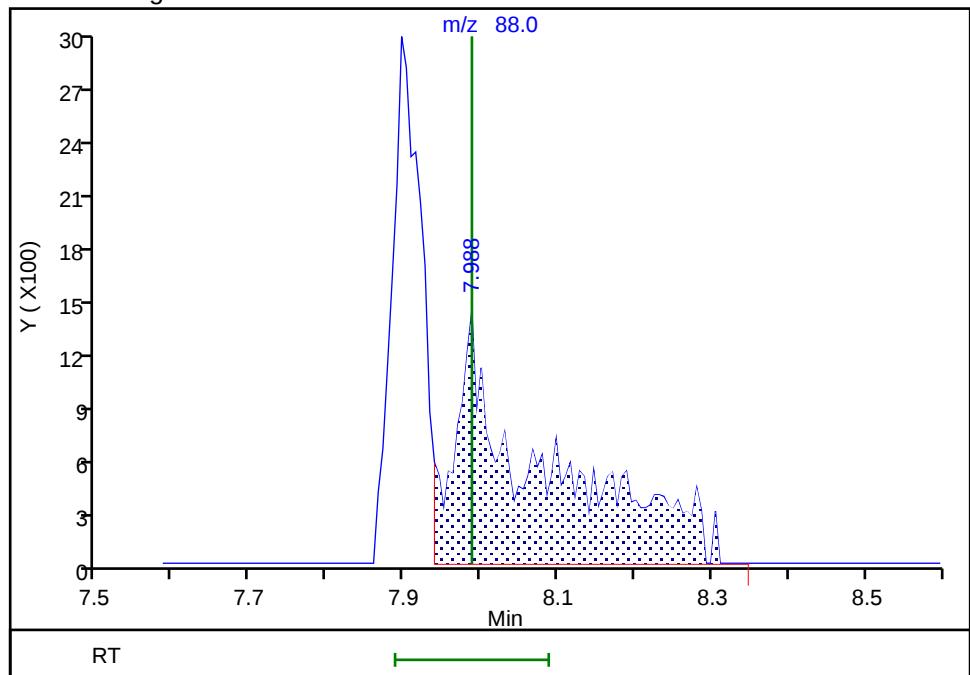
RT: 7.90
Area: 7670
Amount: 86.613091
Amount Units: ug/l

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

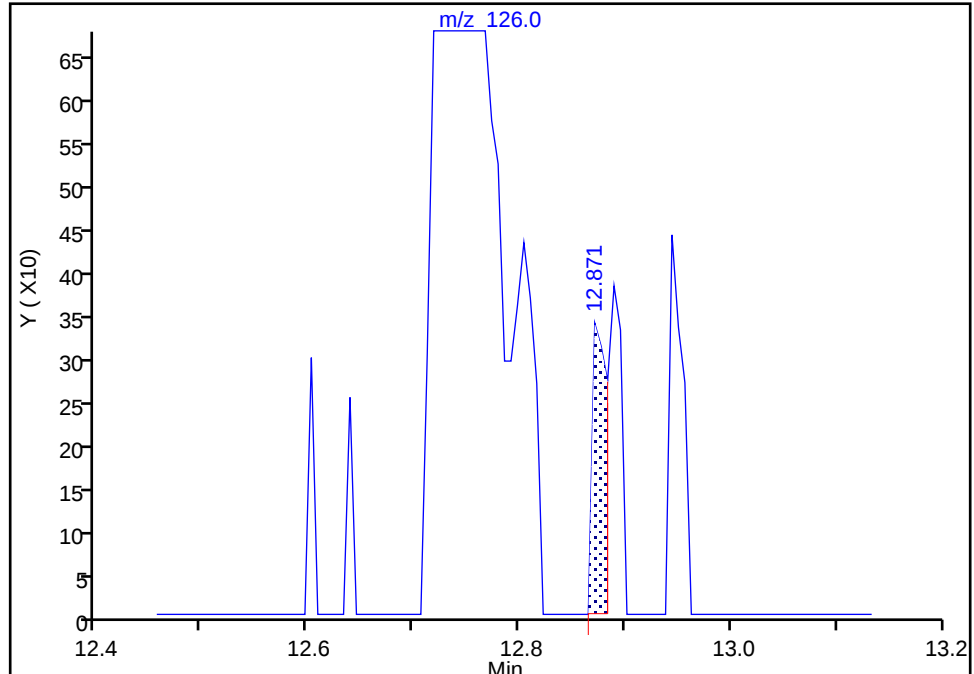
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Injection Date: 03-Dec-2024 17:12:30 Instrument ID: 16334
Lims ID: IC std4
Client ID:
Operator ID: knk41612 ALS Bottle#: 5 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm i.d.) Detector: MS Quad

145 Benzyl chloride, CAS: 100-44-7

Signal: 1

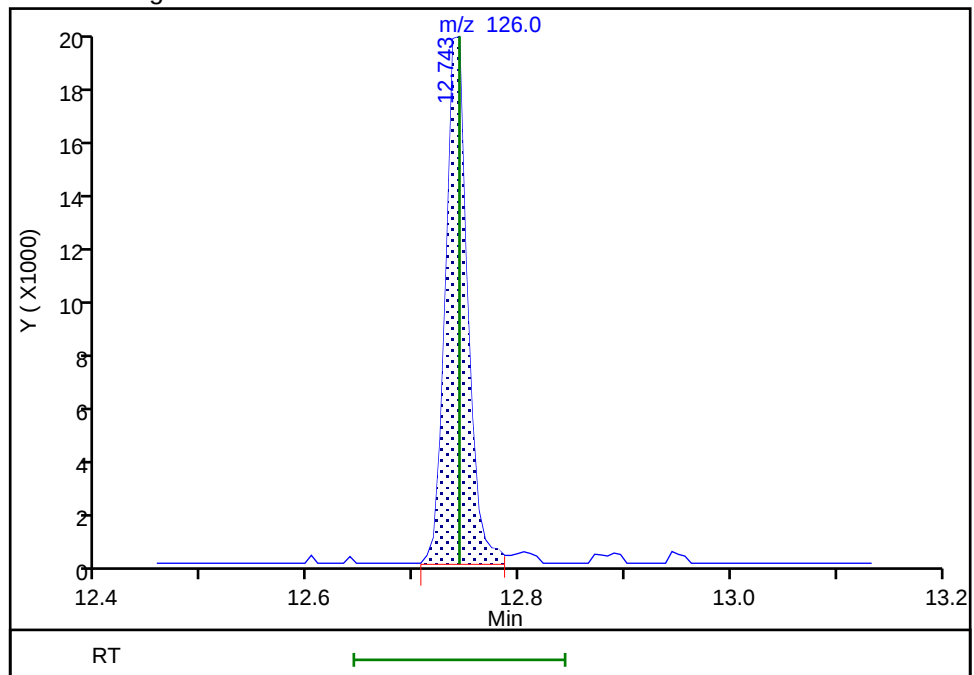
RT: 12.87
Area: 335
Amount: 0.032267
Amount Units: ug/l

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

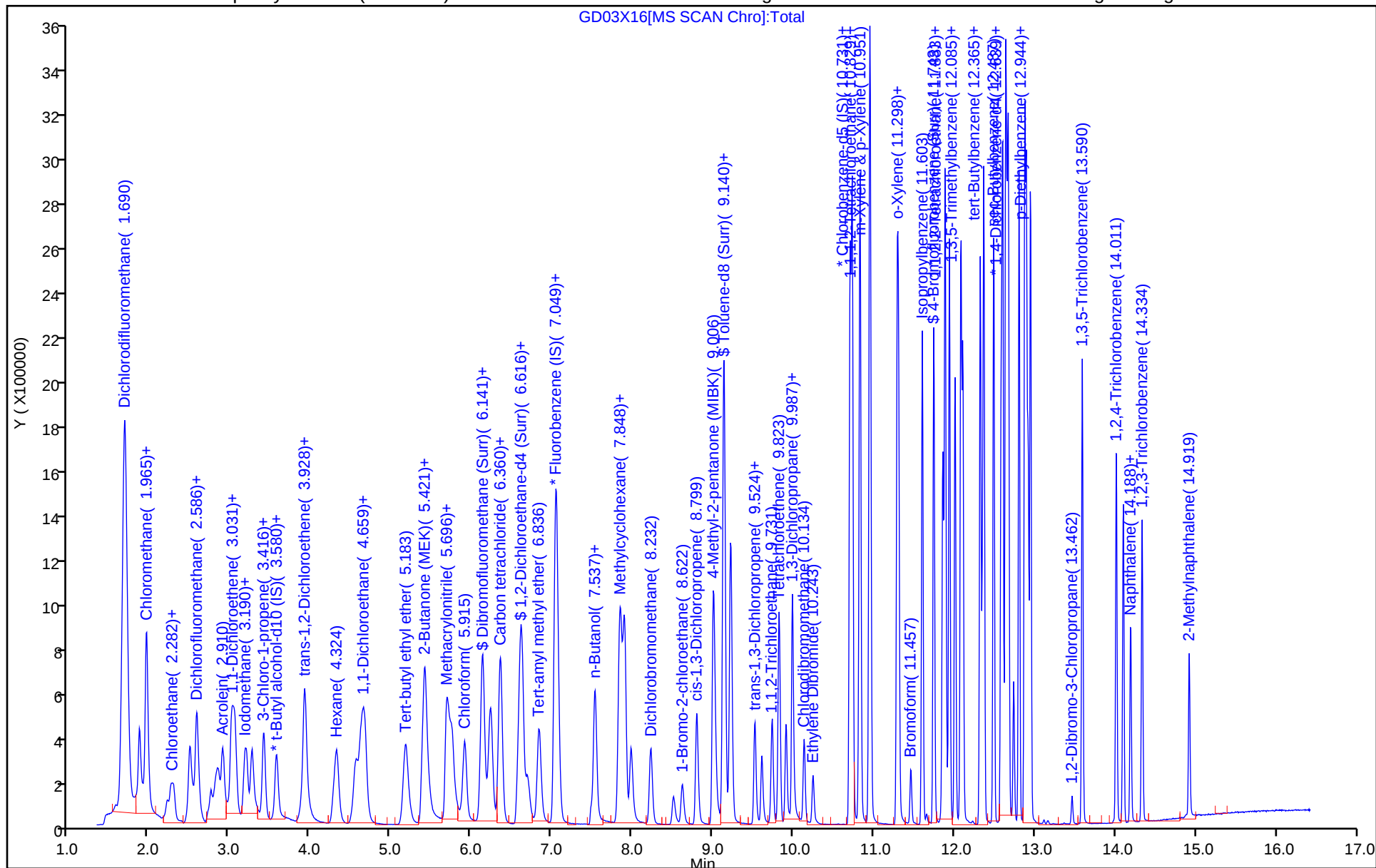
ALS Bottle#: 6

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

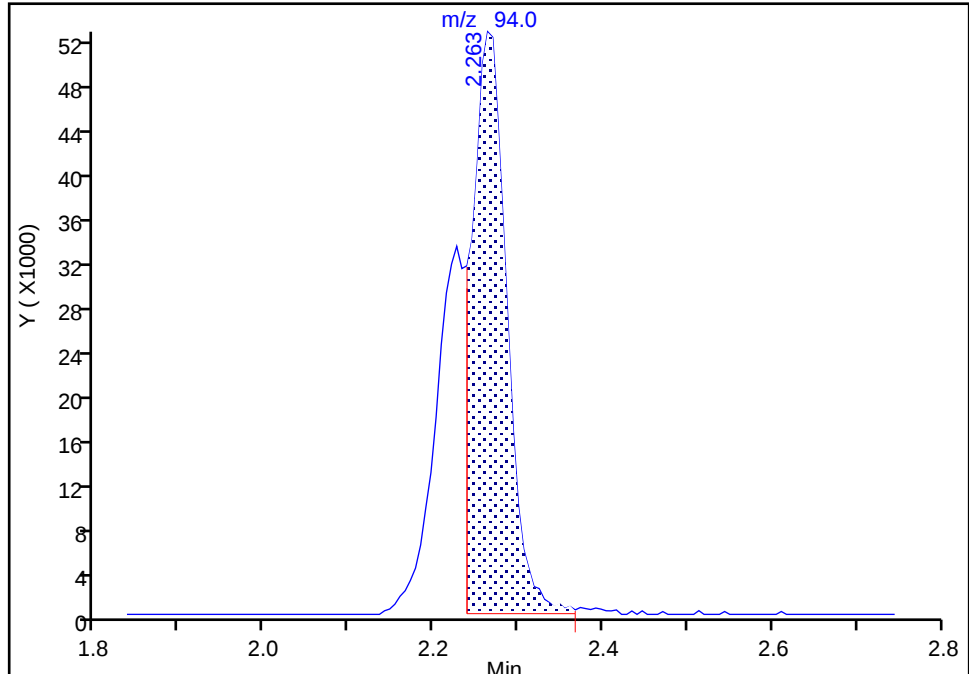
Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X16.D
Injection Date: 03-Dec-2024 17:34:30 Instrument ID: 16334
Lims ID: IC std5
Client ID:
Operator ID: knk41612 ALS Bottle#: 6 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm i.d.) Detector: MS Quad

9 Bromomethane, CAS: 74-83-9

Signal: 1

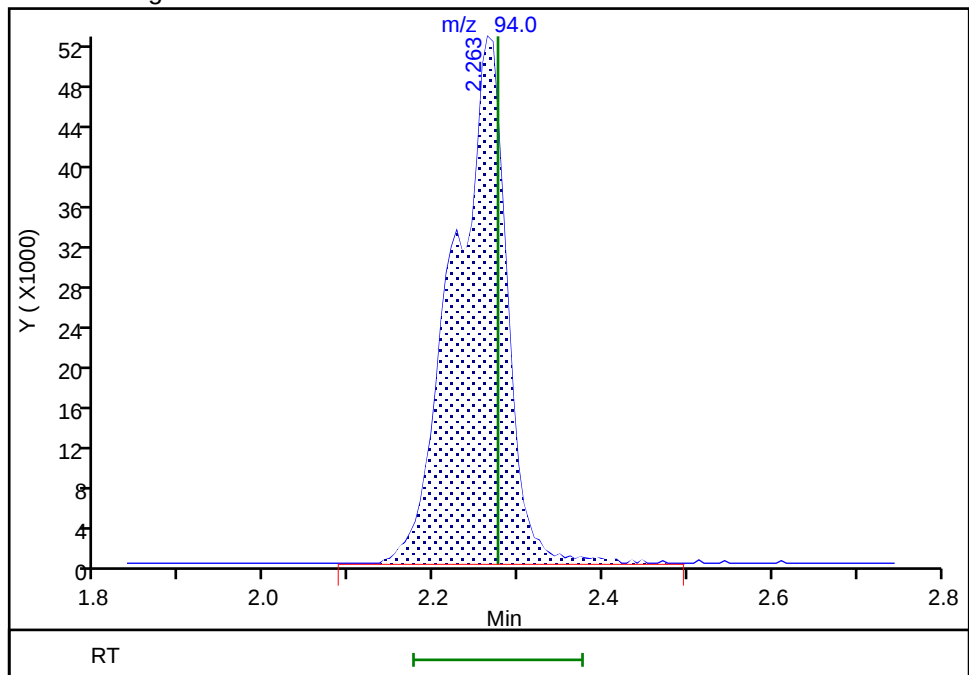
RT: 2.26
Area: 150593
Amount: 5.086096
Amount Units: ug/l

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

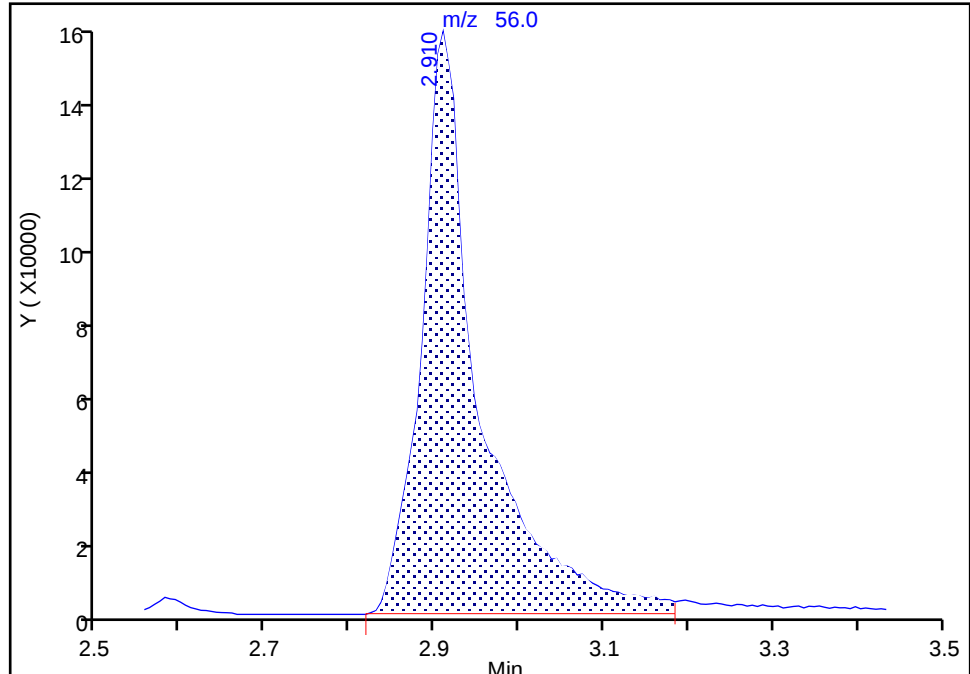
Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X16.D
Injection Date: 03-Dec-2024 17:34:30 Instrument ID: 16334
Lims ID: IC std5
Client ID:
Operator ID: knk41612 ALS Bottle#: 6 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm i.d.) Detector: MS Quad

17 Acrolein, CAS: 107-02-8

Signal: 1

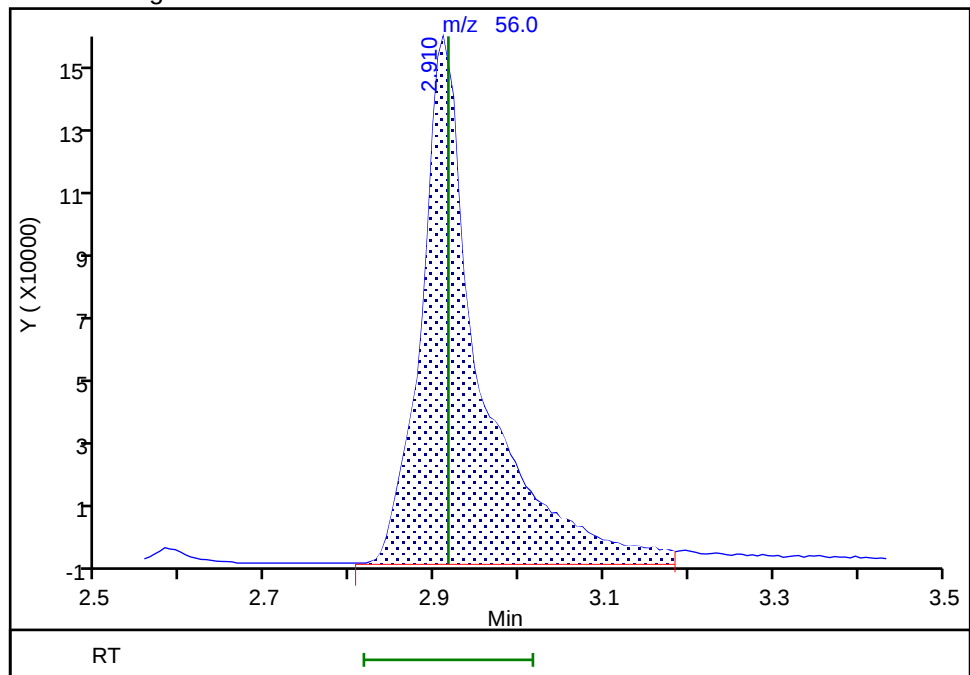
RT: 2.91
Area: 743514
Amount: 294.2413
Amount Units: ug/l

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

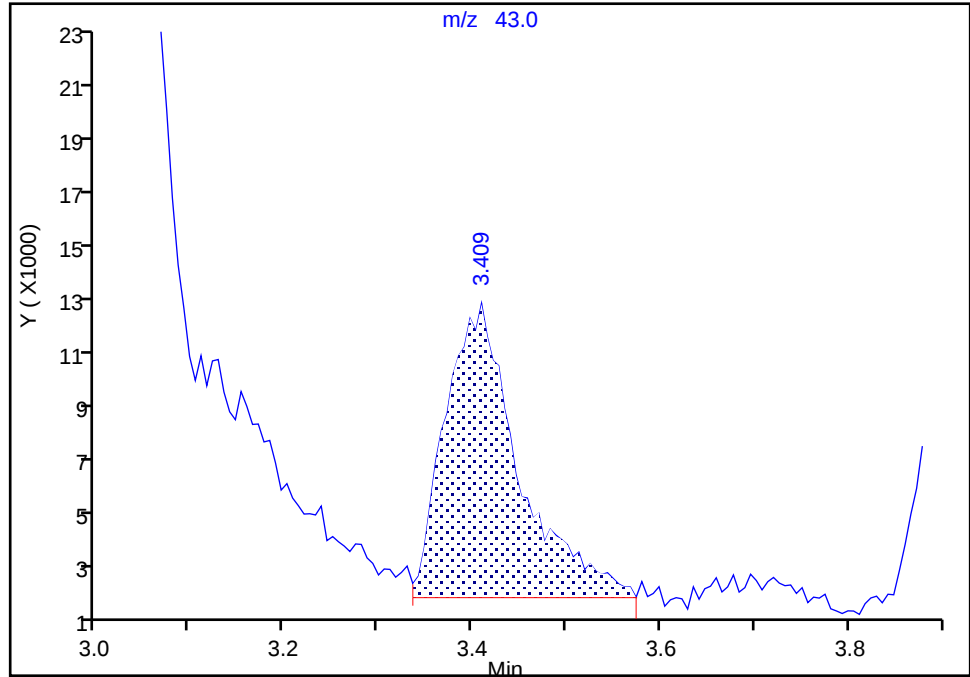
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Injection Date: 03-Dec-2024 17:34:30 Instrument ID: 16334
Lims ID: IC std5
Client ID:
Operator ID: knk41612 ALS Bottle#: 6 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

25 Methyl acetate, CAS: 79-20-9

Signal: 1

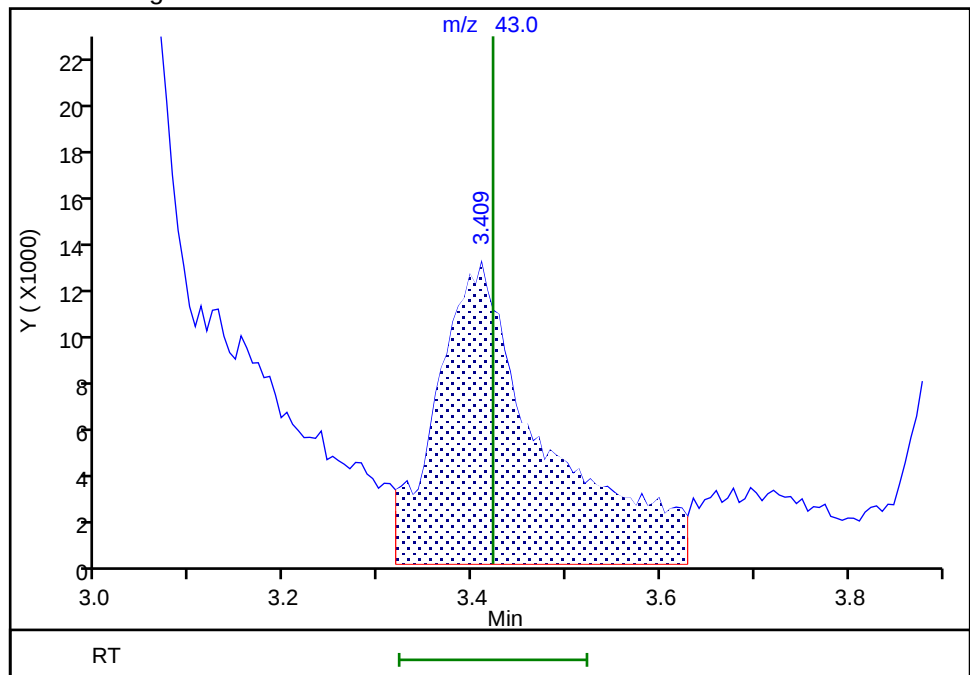
RT: 3.41
Area: 56567
Amount: 3.639526
Amount Units: ug/l

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

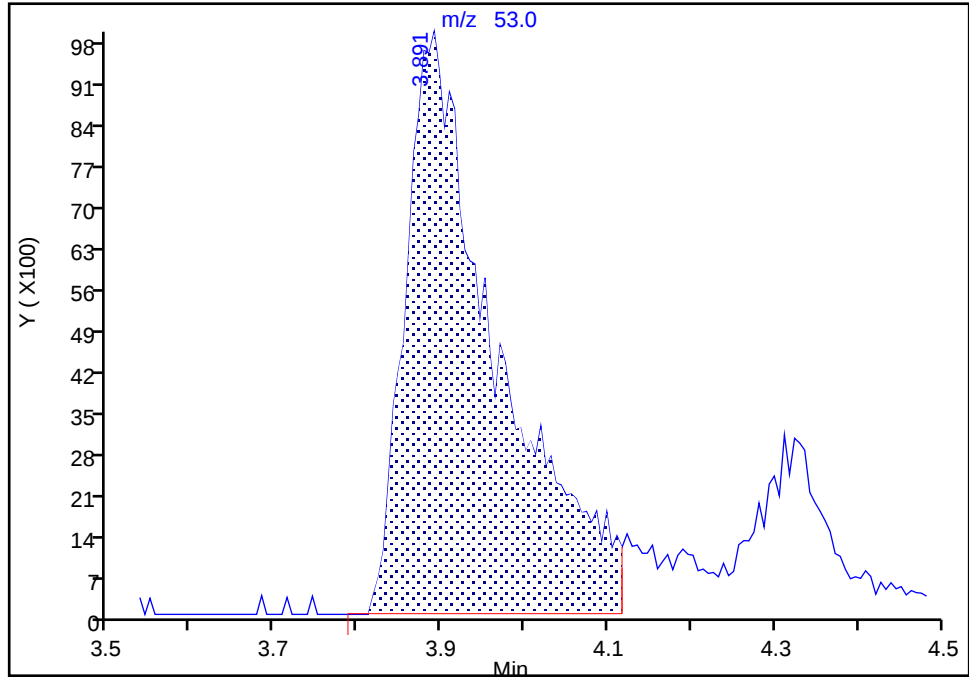
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Injection Date: 03-Dec-2024 17:34:30 Instrument ID: 16334
Lims ID: IC std5
Client ID:
Operator ID: knk41612 ALS Bottle#: 6 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

32 Acrylonitrile, CAS: 107-13-1

Signal: 1

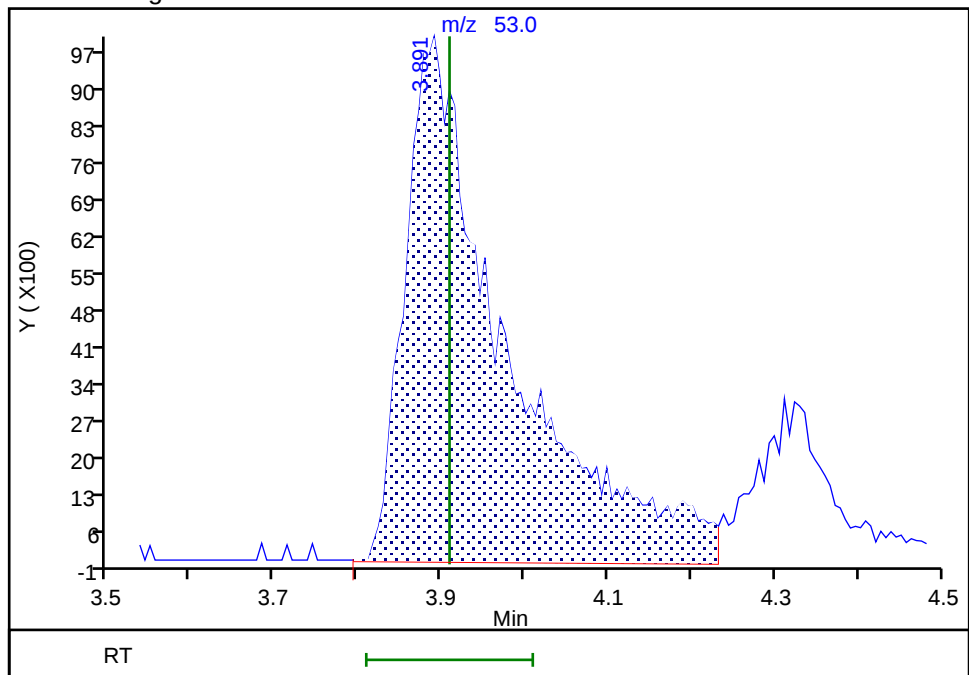
RT: 3.89
Area: 75444
Amount: 13.111902
Amount Units: ug/l

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

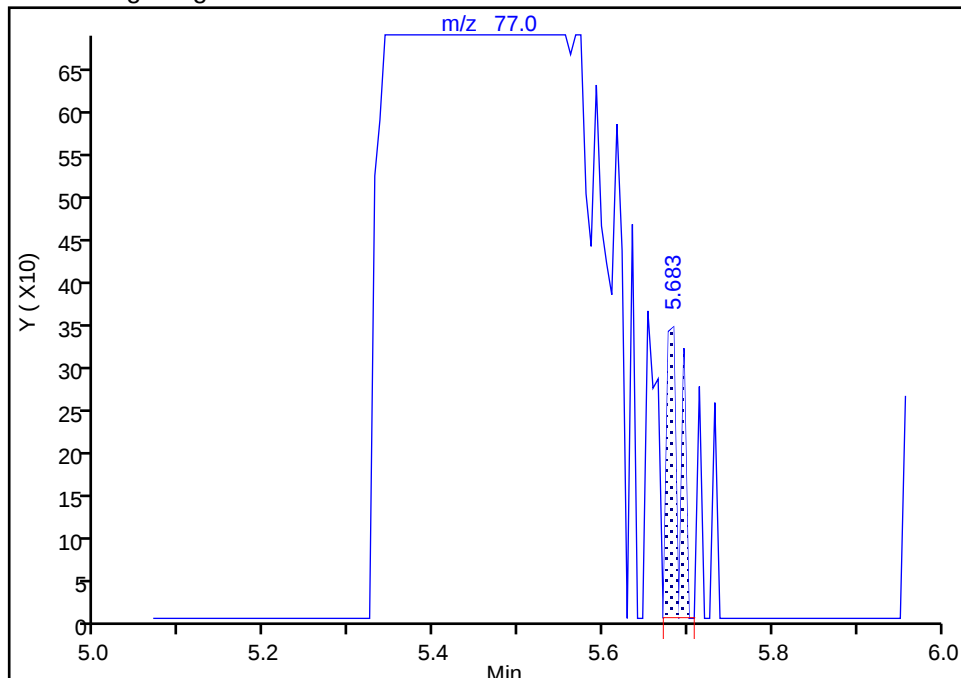
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Injection Date: 03-Dec-2024 17:34:30 Instrument ID: 16334
Lims ID: IC std5
Client ID:
Operator ID: knk41612 ALS Bottle#: 6 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

43 2,2-Dichloropropane, CAS: 594-20-7

Signal: 1

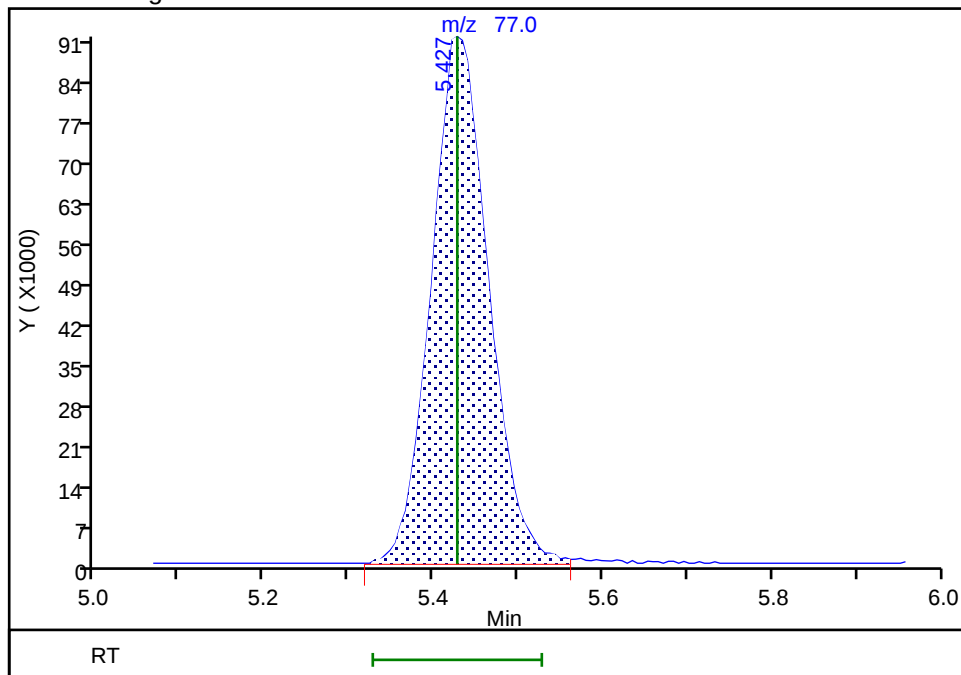
RT: 5.68
Area: 365
Amount: 0.006511
Amount Units: ug/l

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

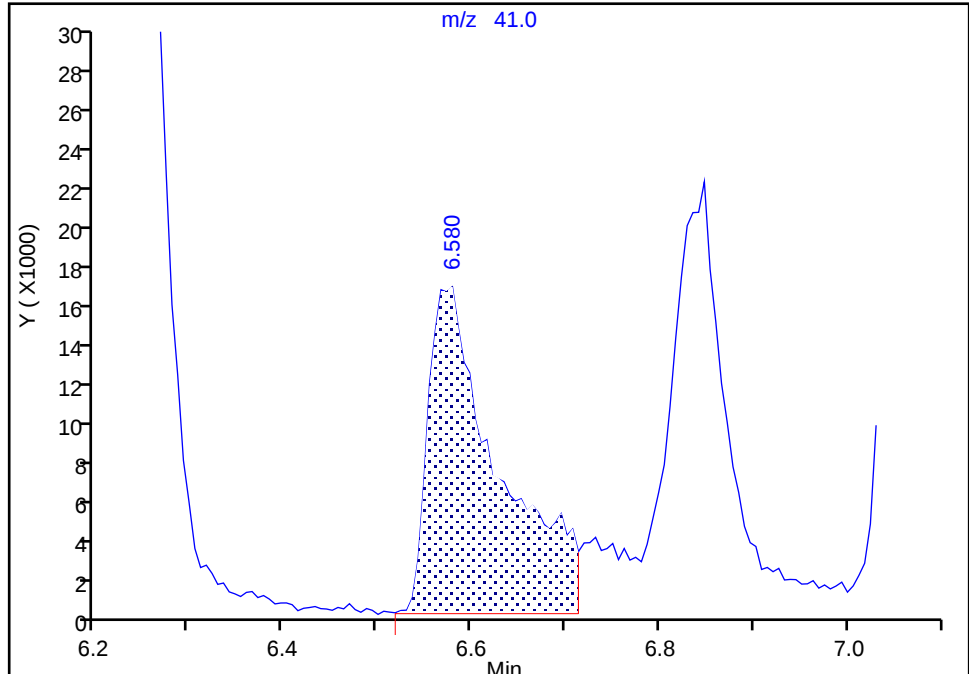
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Injection Date: 03-Dec-2024 17:34:30 Instrument ID: 16334
Lims ID: IC std5
Client ID:
Operator ID: knk41612 ALS Bottle#: 6 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

58 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

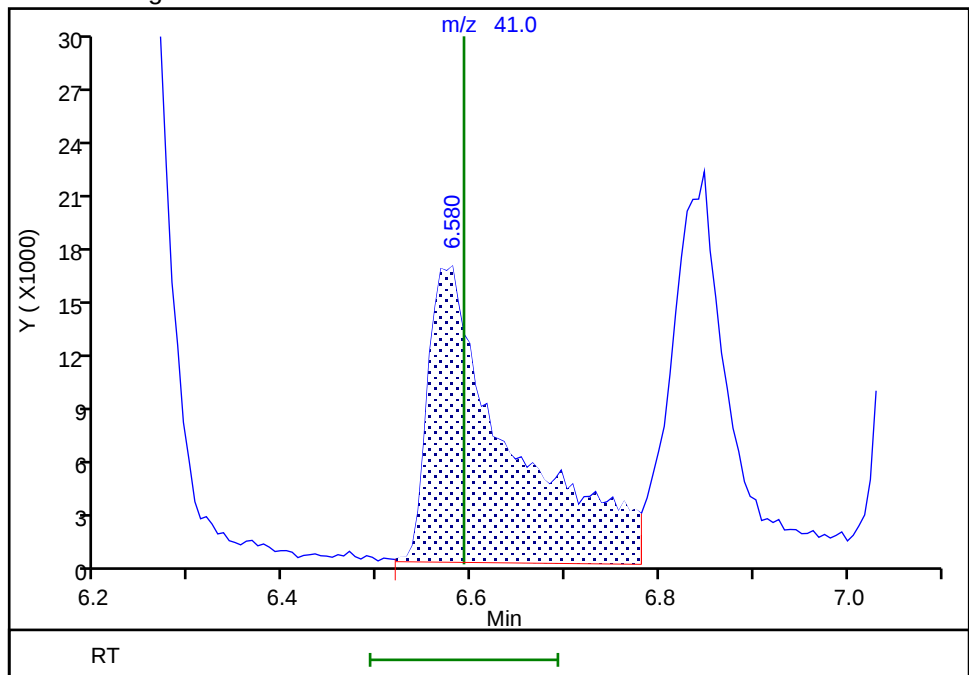
RT: 6.58
Area: 84156
Amount: 271.3449
Amount Units: ug/l

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

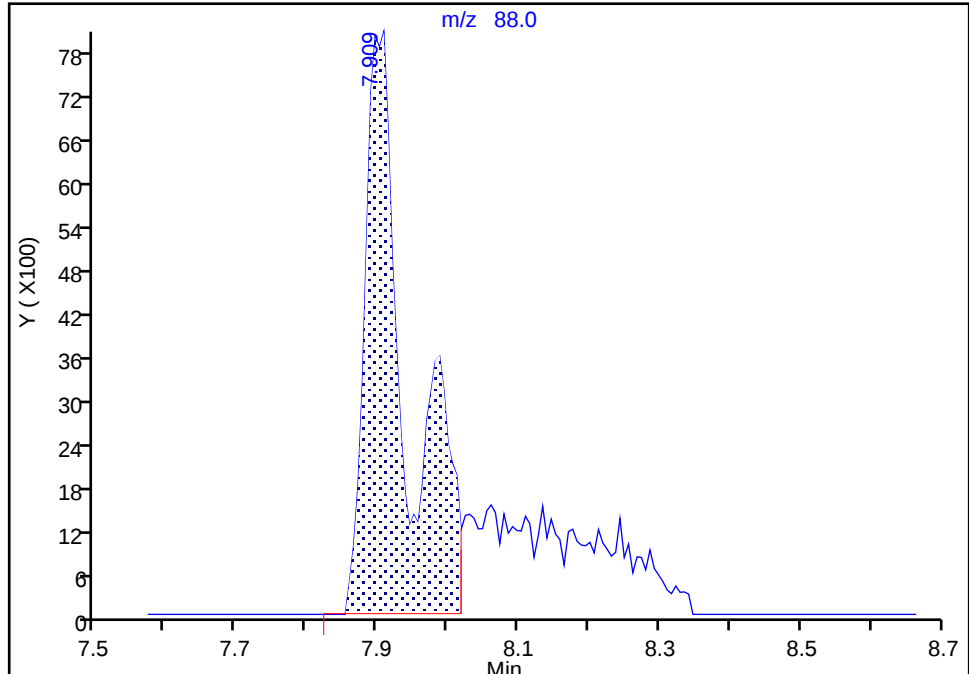
Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X16.D
Injection Date: 03-Dec-2024 17:34:30 Instrument ID: 16334
Lims ID: IC std5
Client ID:
Operator ID: knk41612 ALS Bottle#: 6 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

73 1,4-Dioxane, CAS: 123-91-1

Signal: 1

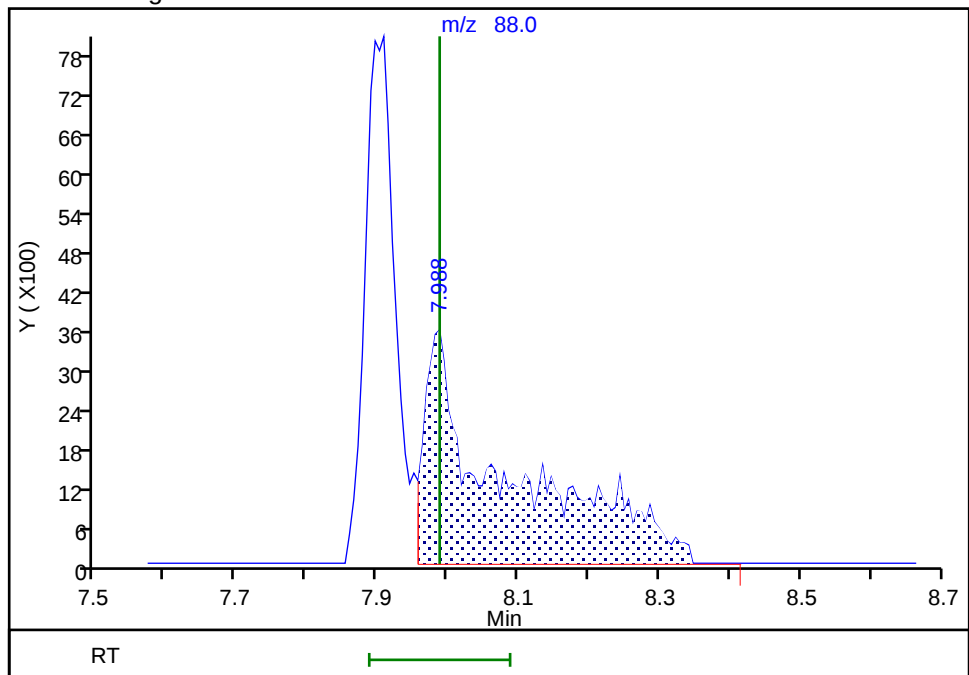
RT: 7.91
Area: 33489
Amount: 311.0411
Amount Units: ug/l

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

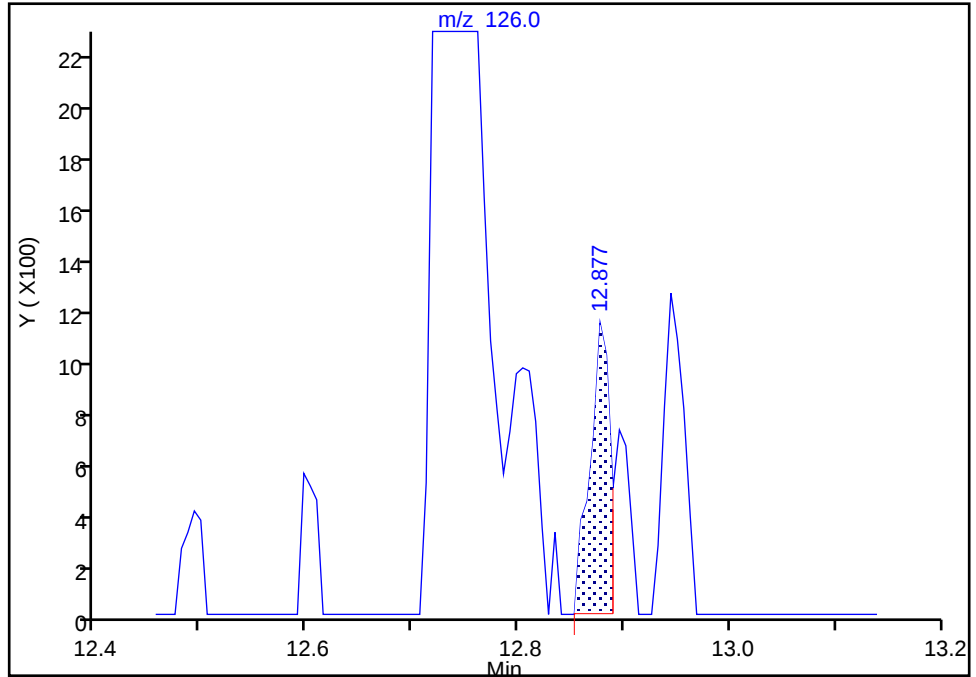
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Injection Date: 03-Dec-2024 17:34:30 Instrument ID: 16334
Lims ID: IC std5
Client ID:
Operator ID: knk41612 ALS Bottle#: 6 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

145 Benzyl chloride, CAS: 100-44-7

Signal: 1

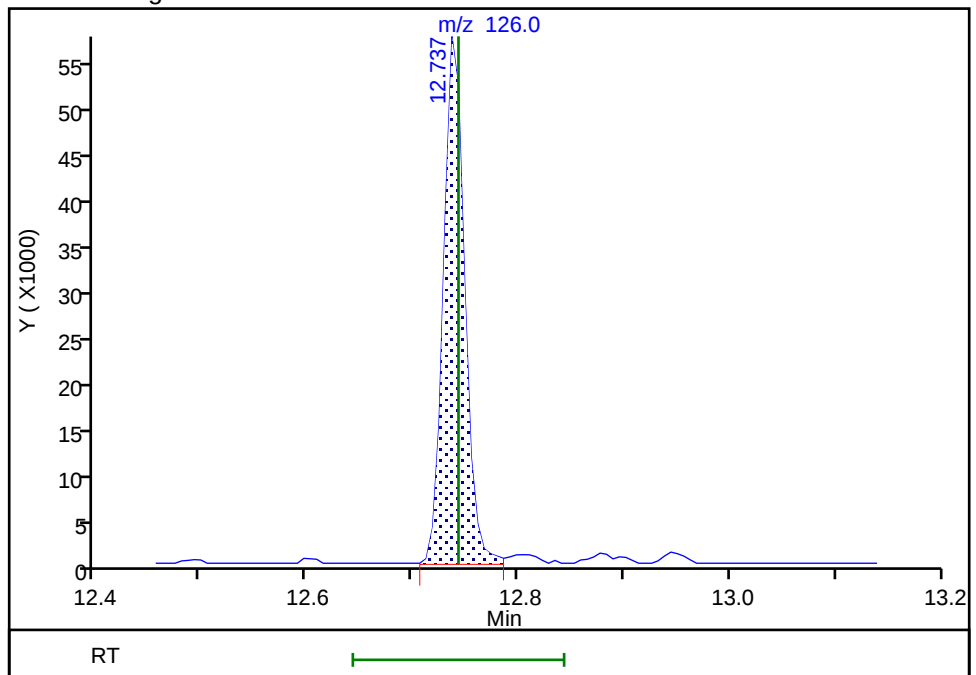
RT: 12.88
Area: 1475
Amount: 0.225445
Amount Units: ug/l

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

Report Date: 09-Dec-2024 09:42:38

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\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

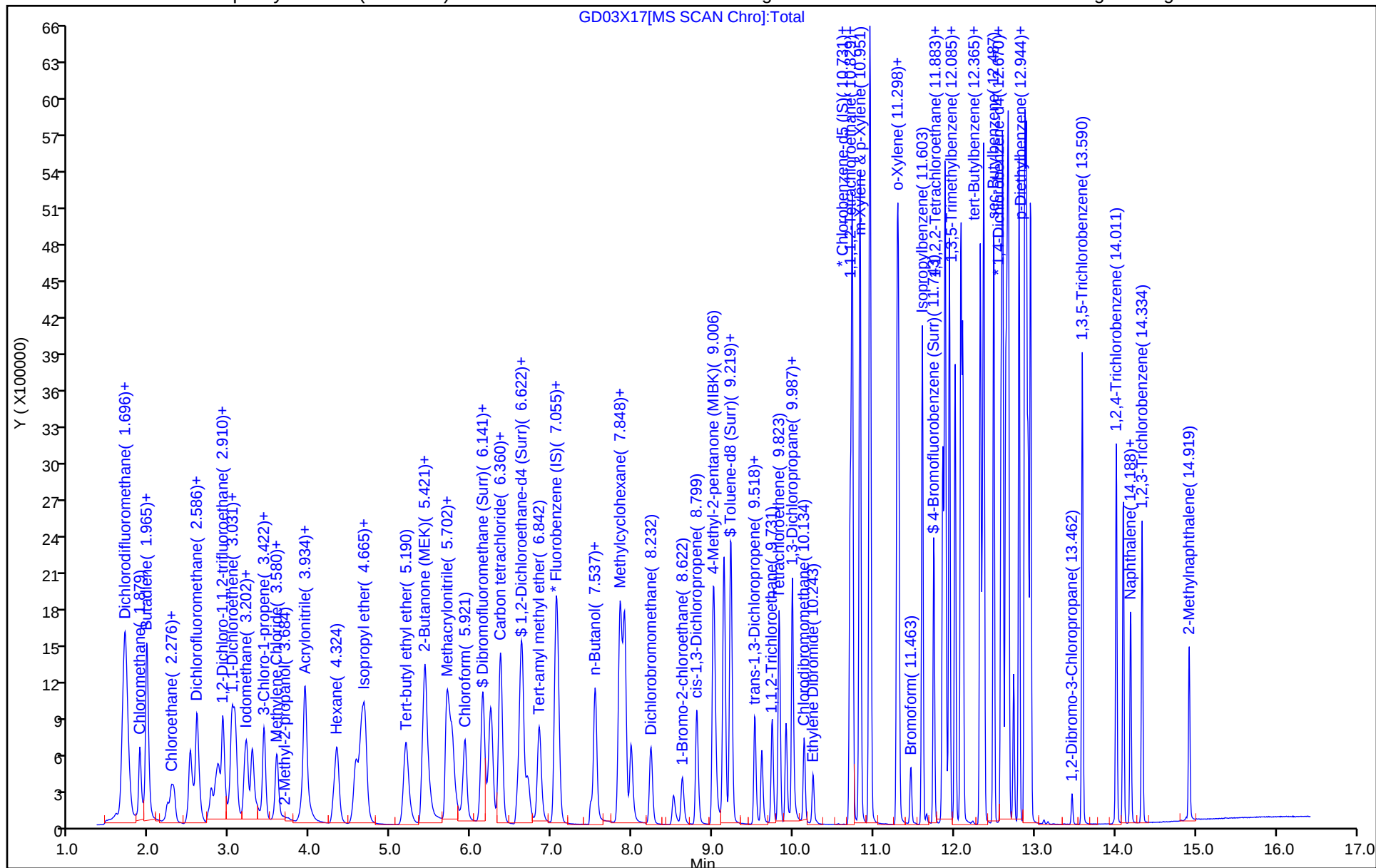
ALS Bottle#: 7

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

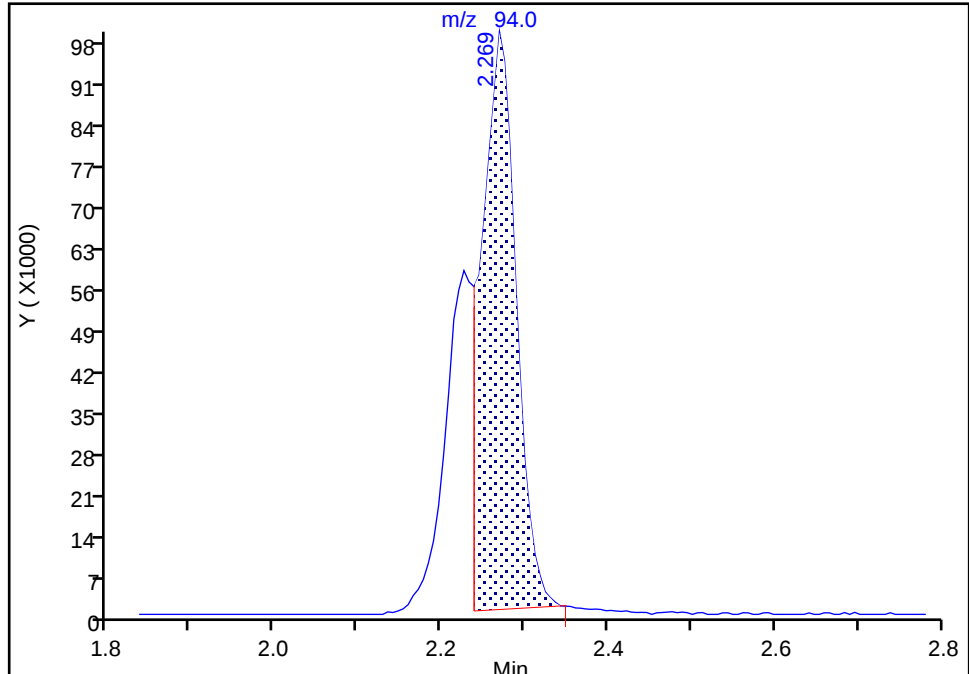
Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X17.D
Injection Date: 03-Dec-2024 17:56:30 Instrument ID: 16334
Lims ID: ICIS std6
Client ID:
Operator ID: knk41612 ALS Bottle#: 7 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

9 Bromomethane, CAS: 74-83-9

Signal: 1

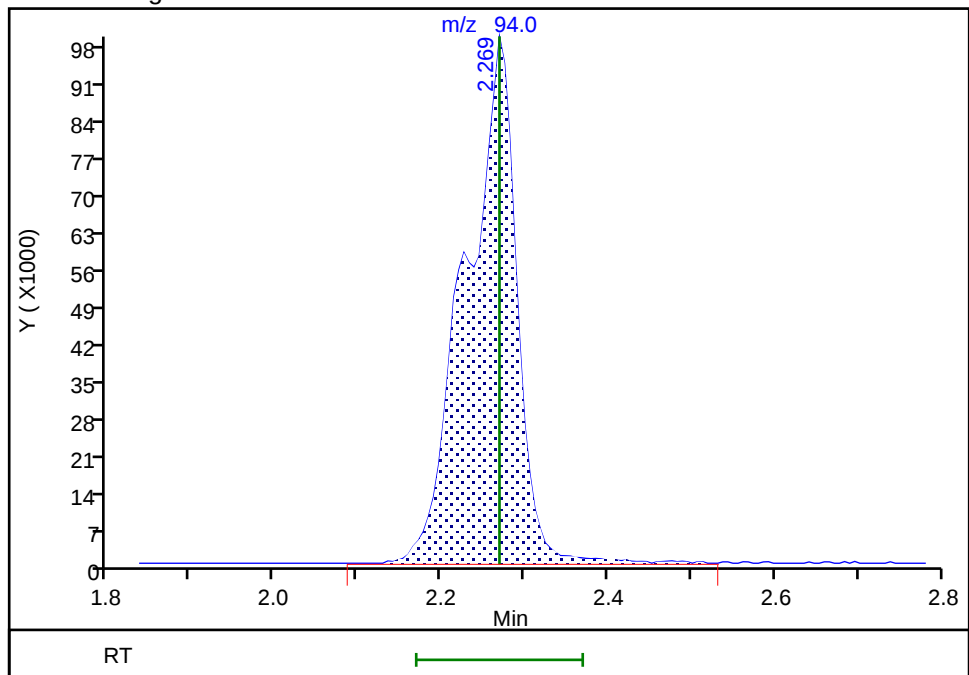
RT: 2.27
Area: 284538
Amount: 6.479038
Amount Units: ug/l

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

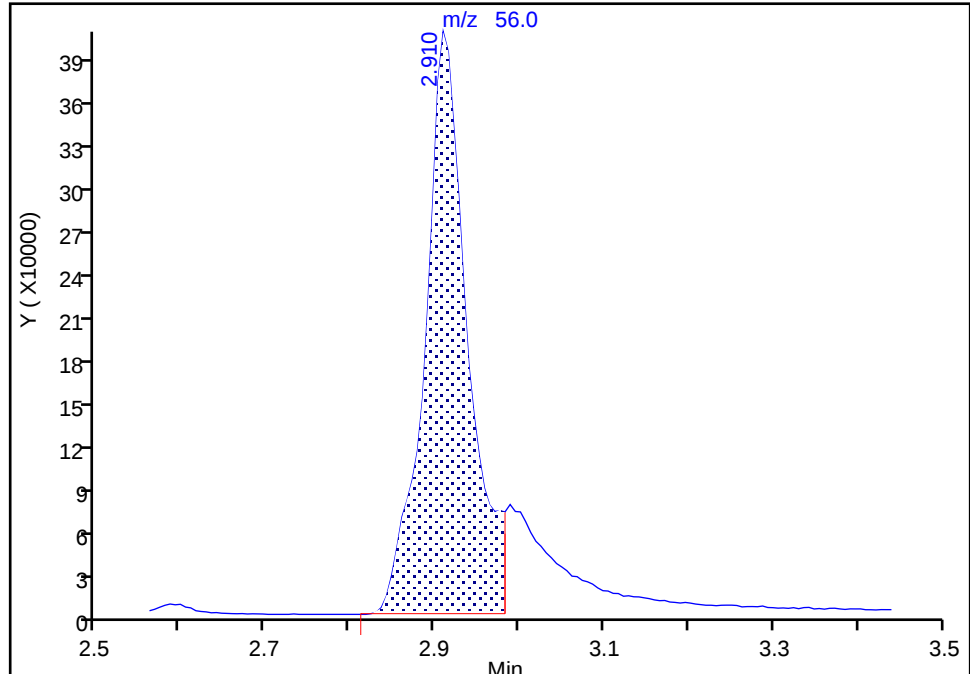
Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X17.D
Injection Date: 03-Dec-2024 17:56:30 Instrument ID: 16334
Lims ID: ICIS std6
Client ID:
Operator ID: knk41612 ALS Bottle#: 7 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm i.d.) Detector: MS Quad

17 Acrolein, CAS: 107-02-8

Signal: 1

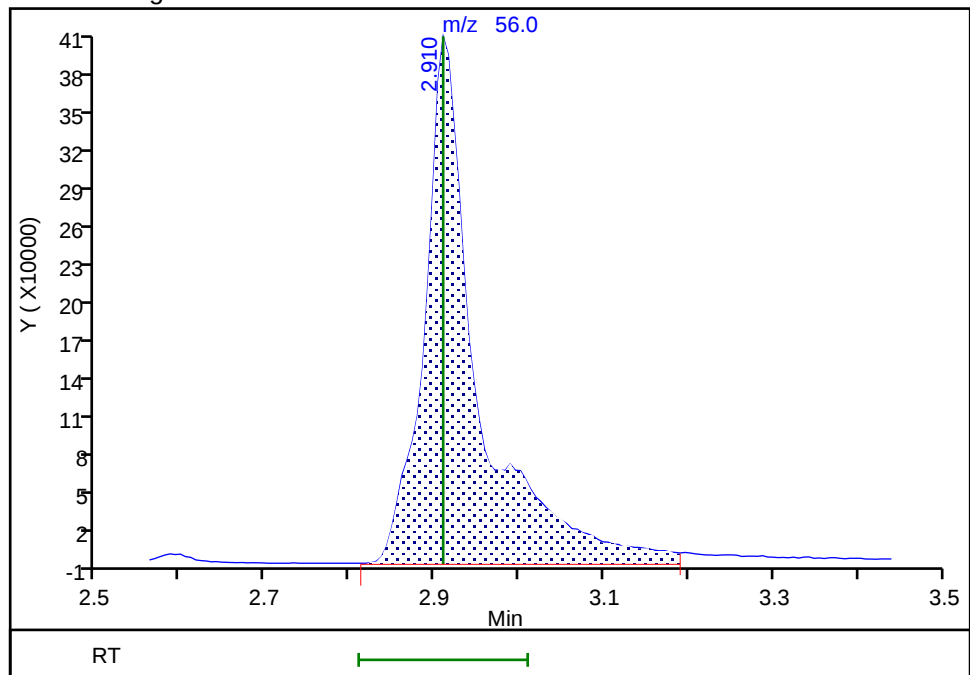
RT: 2.91
Area: 1420907
Amount: 486.1264
Amount Units: ug/l

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

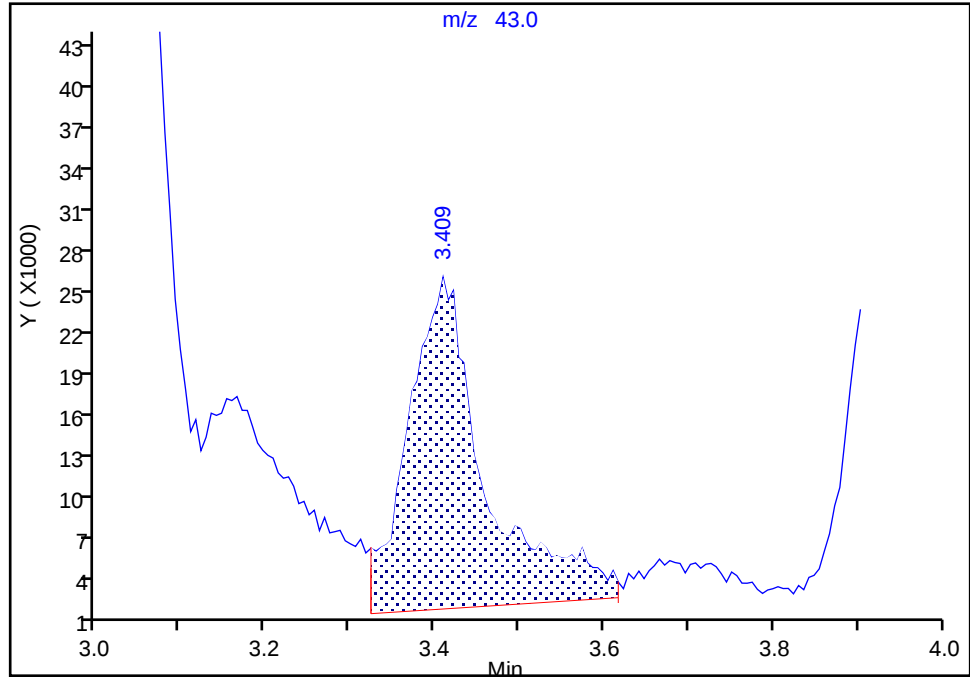
Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X17.D
Injection Date: 03-Dec-2024 17:56:30 Instrument ID: 16334
Lims ID: ICIS std6
Client ID:
Operator ID: knk41612 ALS Bottle#: 7 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

25 Methyl acetate, CAS: 79-20-9

Signal: 1

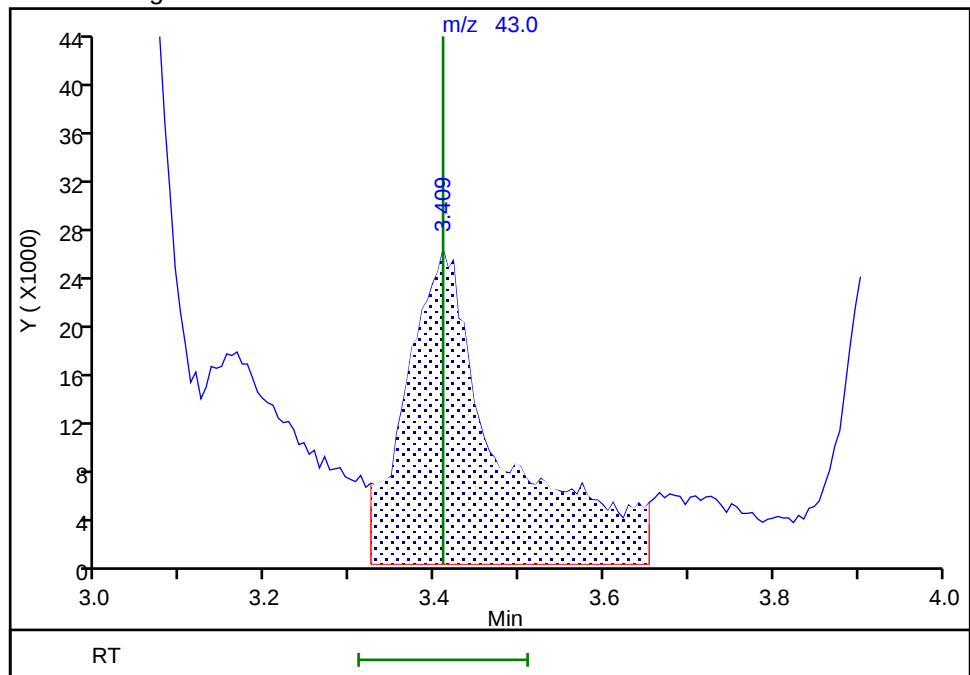
RT: 3.41
Area: 152404
Amount: 12.523636
Amount Units: ug/l

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

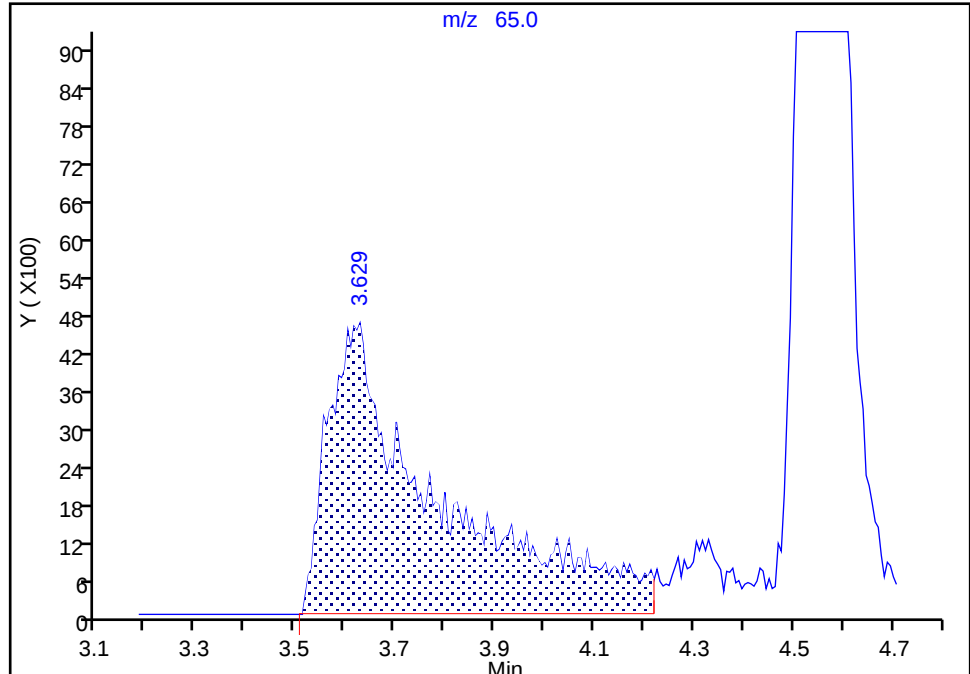
Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X17.D
Injection Date: 03-Dec-2024 17:56:30 Instrument ID: 16334
Lims ID: ICIS std6
Client ID:
Operator ID: knk41612 ALS Bottle#: 7 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 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

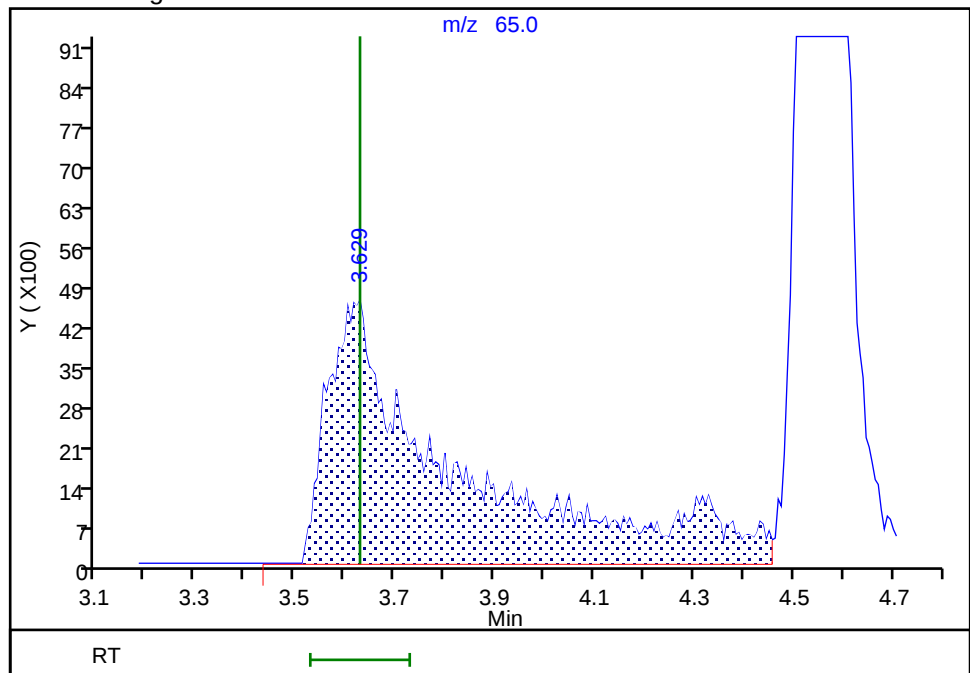
RT: 3.63
Area: 70677
Amount: 49.998300
Amount Units: ug/l

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

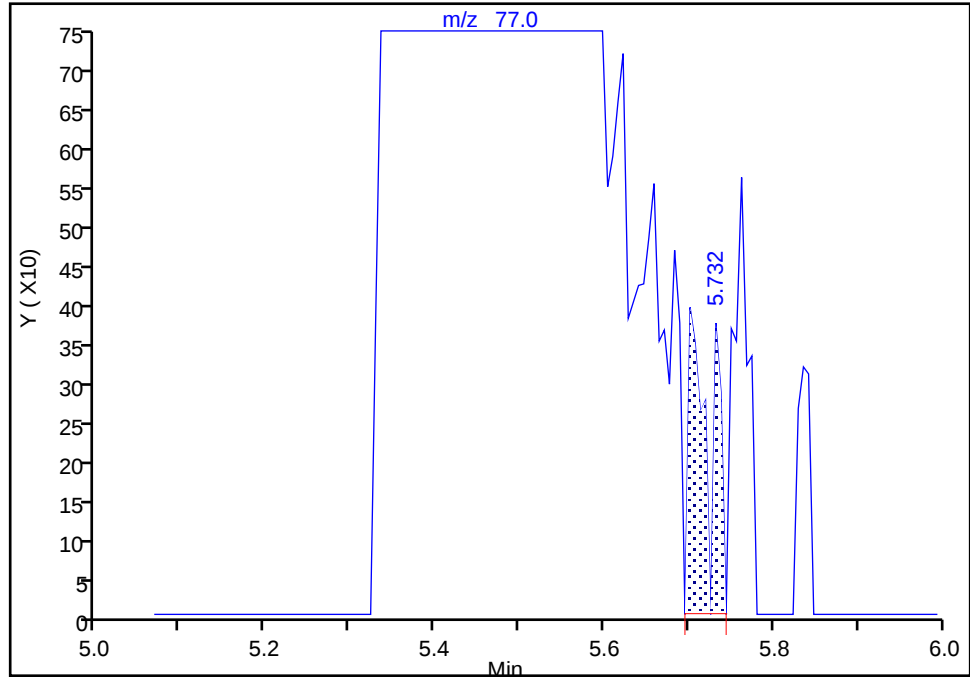
Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X17.D
Injection Date: 03-Dec-2024 17:56:30 Instrument ID: 16334
Lims ID: ICIS std6
Client ID:
Operator ID: knk41612 ALS Bottle#: 7 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

43 2,2-Dichloropropane, CAS: 594-20-7

Signal: 1

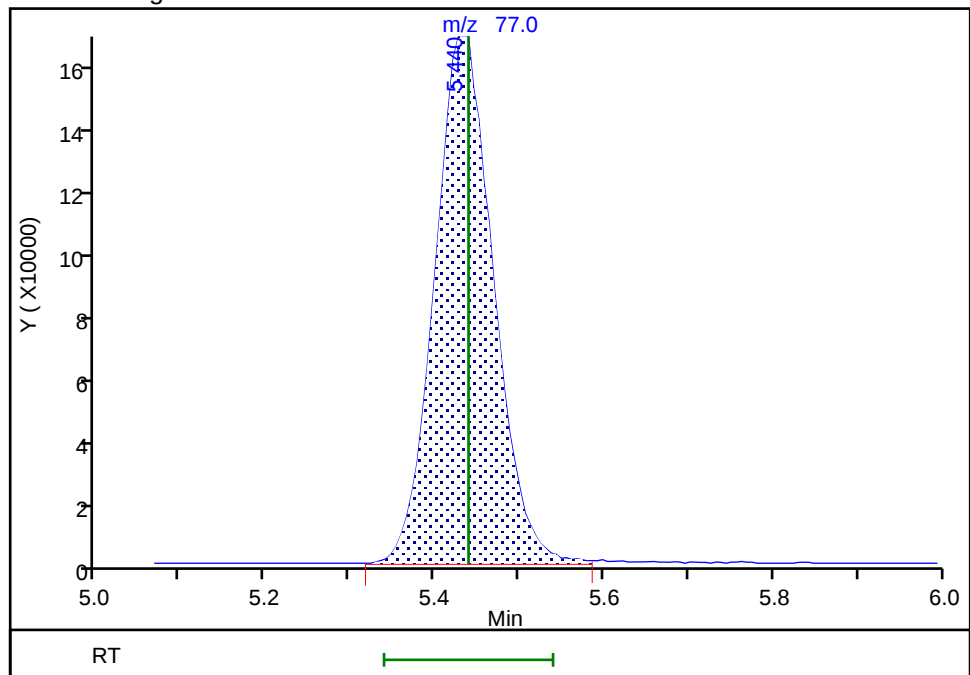
RT: 5.73
Area: 704
Amount: 13.738635
Amount Units: ug/l

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

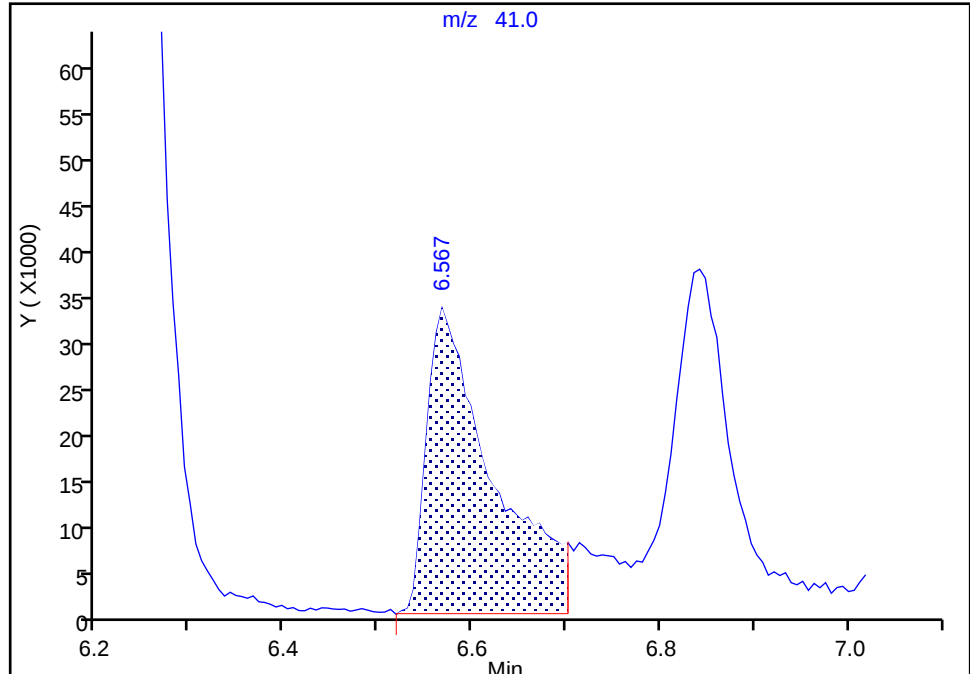
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Injection Date: 03-Dec-2024 17:56:30 Instrument ID: 16334
Lims ID: ICIS std6
Client ID:
Operator ID: knk41612 ALS Bottle#: 7 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

58 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

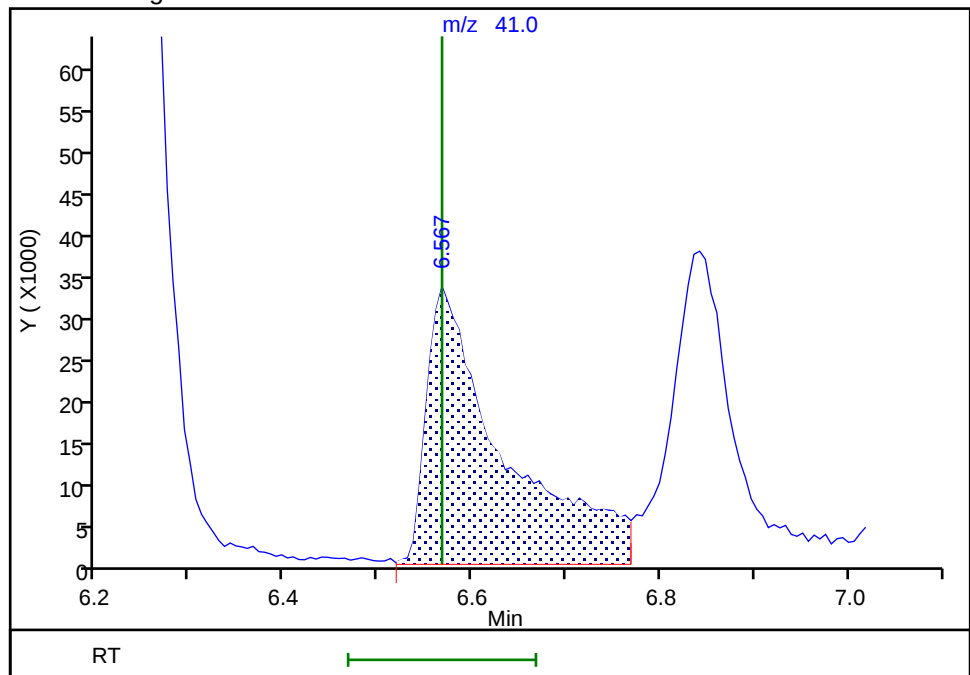
RT: 6.57
Area: 163223
Amount: 517.6961
Amount Units: ug/l

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

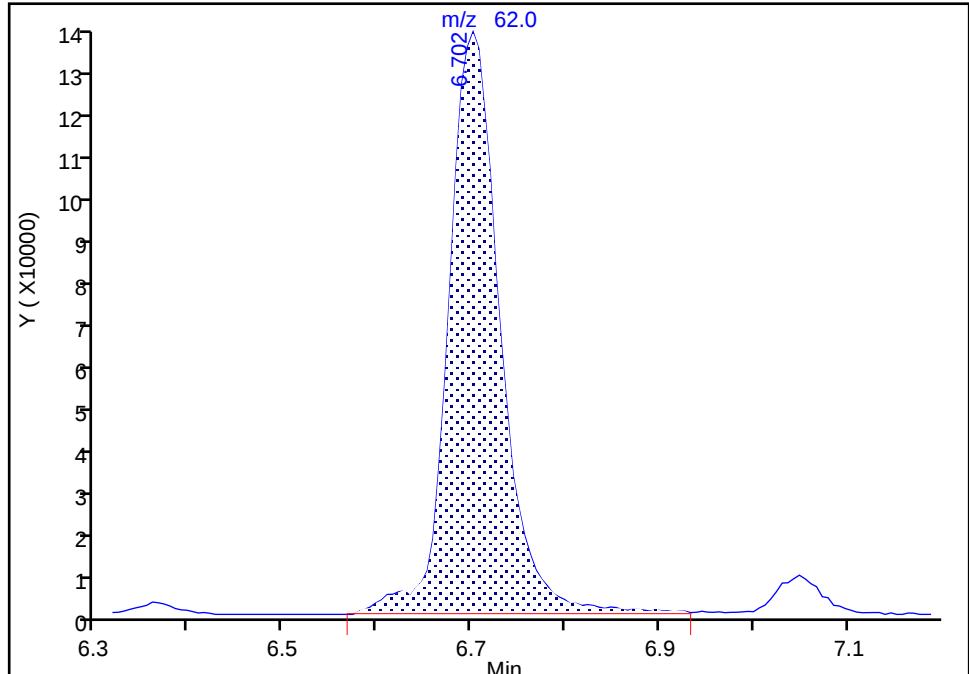
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Injection Date: 03-Dec-2024 17:56:30 Instrument ID: 16334
Lims ID: ICIS std6
Client ID:
Operator ID: knk41612 ALS Bottle#: 7 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

61 1,2-Dichloroethane, CAS: 107-06-2

Signal: 1

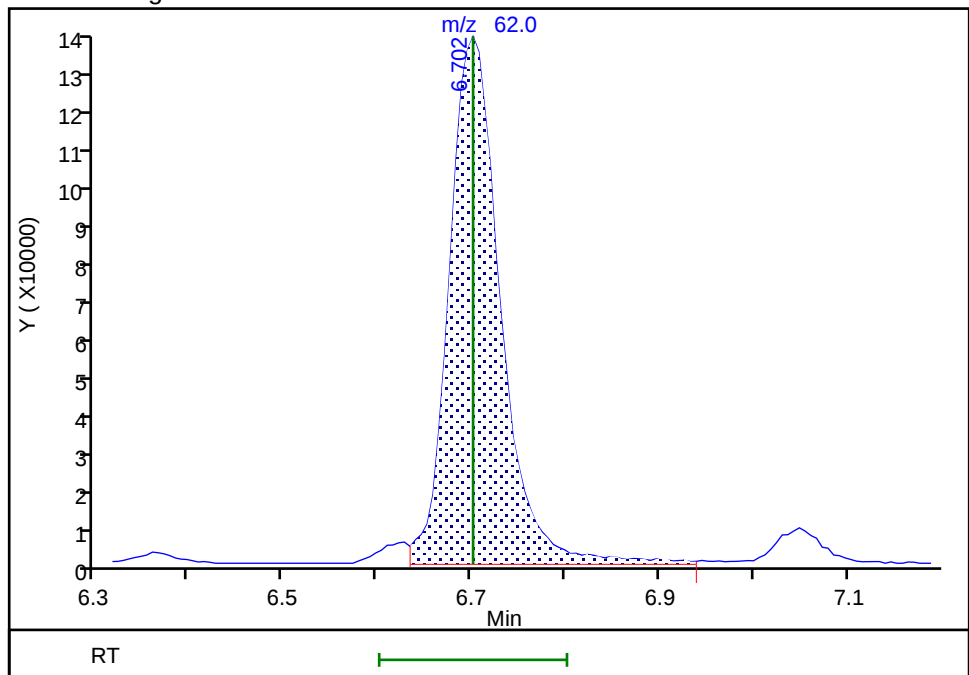
RT: 6.70
Area: 507942
Amount: 9.782178
Amount Units: ug/l

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

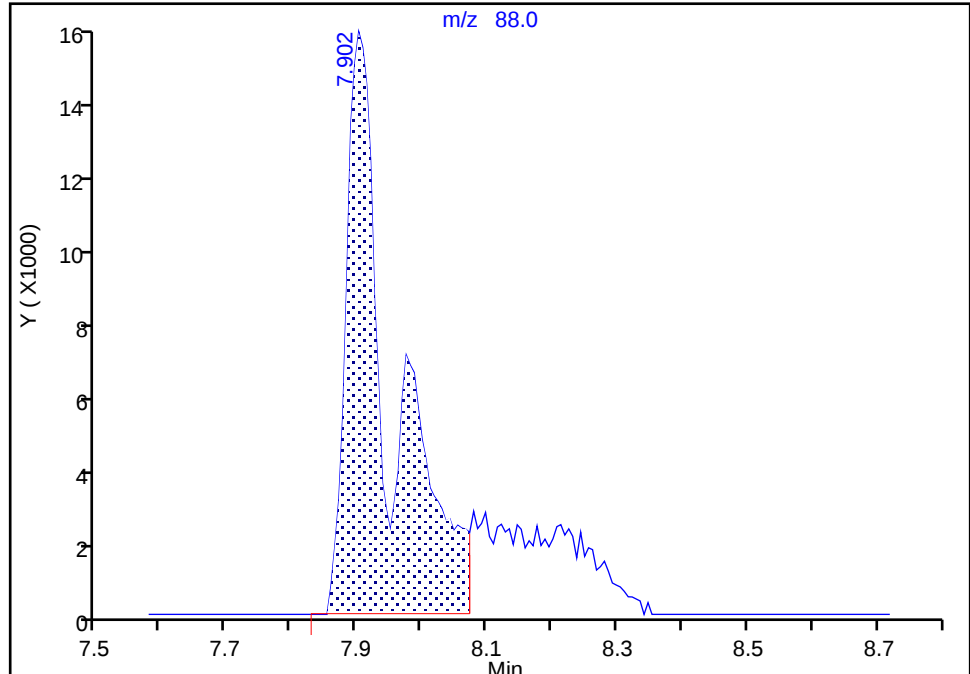
Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X17.D
Injection Date: 03-Dec-2024 17:56:30 Instrument ID: 16334
Lims ID: ICIS std6
Client ID:
Operator ID: knk41612 ALS Bottle#: 7 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

73 1,4-Dioxane, CAS: 123-91-1

Signal: 1

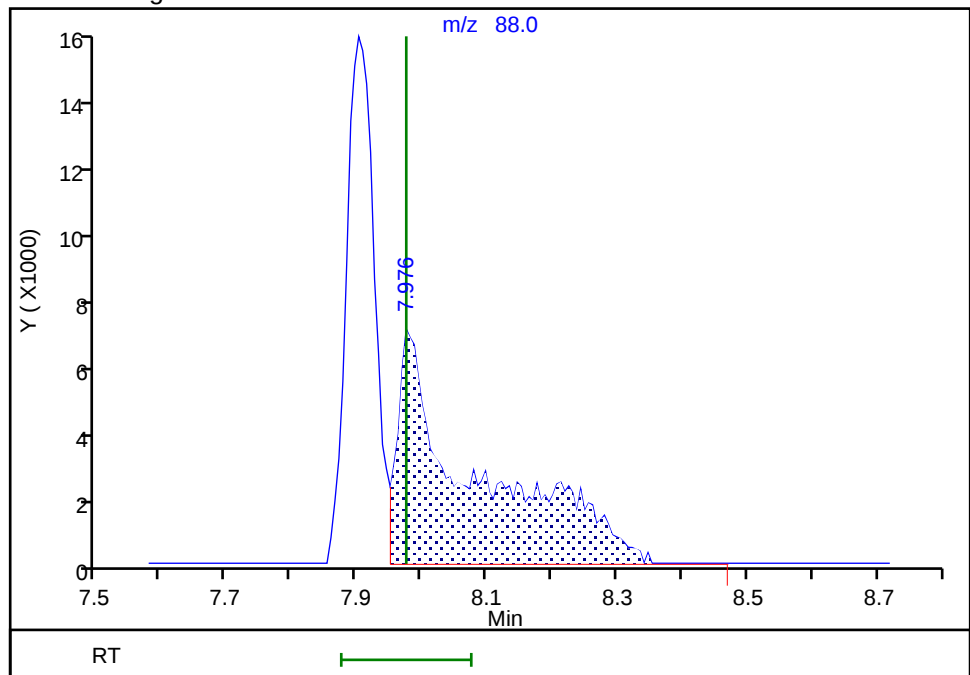
RT: 7.90
Area: 72752
Amount: 462.9532
Amount Units: ug/l

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

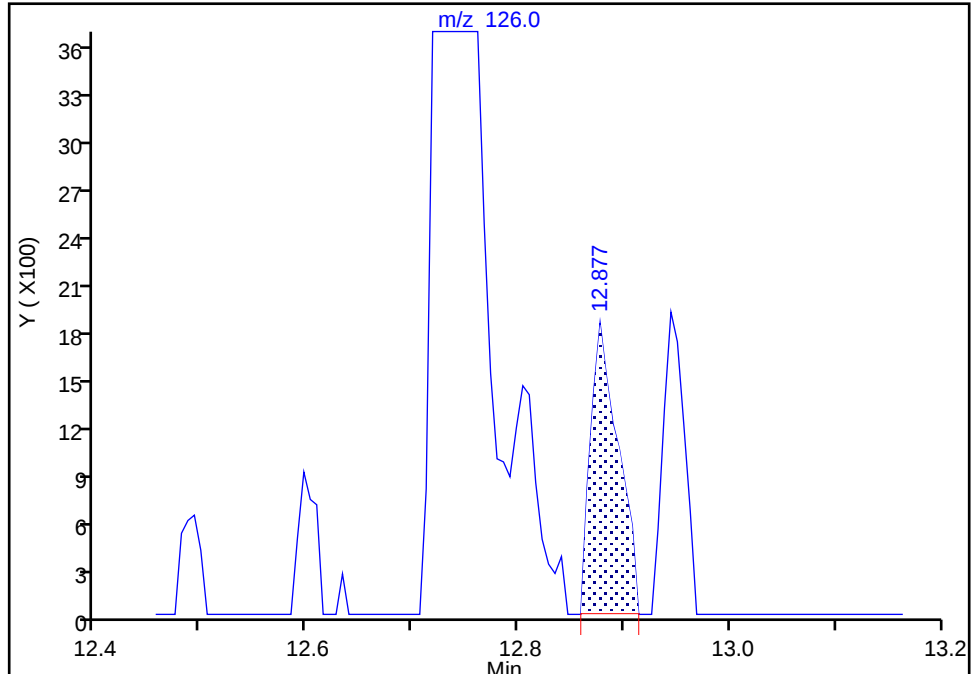
Data File: \\chromfs\Lancaster\ChromData\16334\20241203-132221.b\GD03X17.D
Injection Date: 03-Dec-2024 17:56:30 Instrument ID: 16334
Lims ID: ICIS std6
Client ID:
Operator ID: knk41612 ALS Bottle#: 7 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm i.d.) MS Quad

145 Benzyl chloride, CAS: 100-44-7

Signal: 1

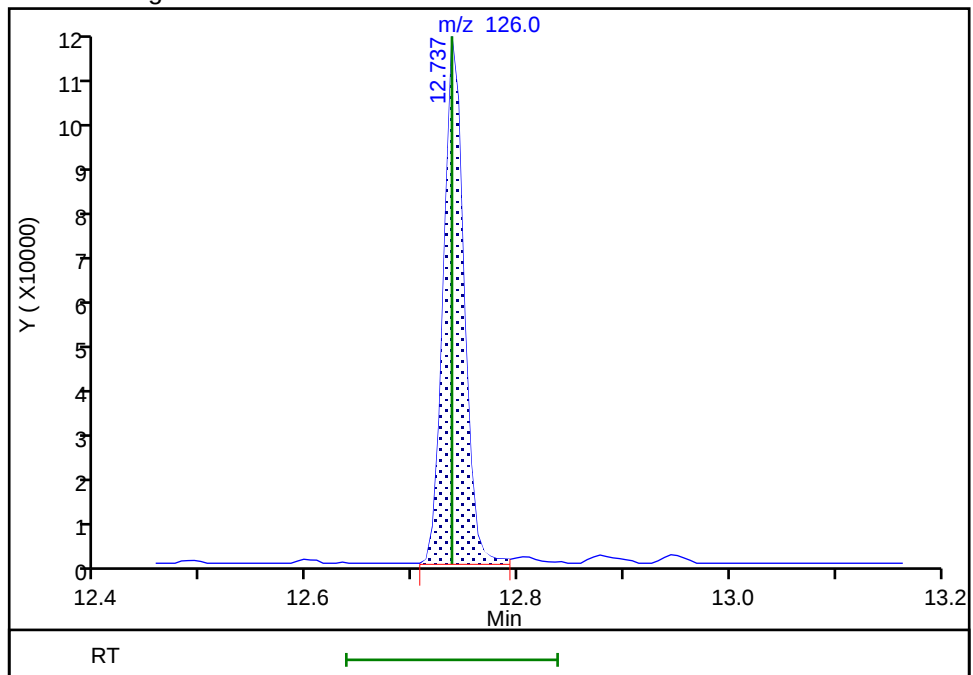
RT: 12.88
Area: 3370
Amount: 13.197255
Amount Units: ug/l

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

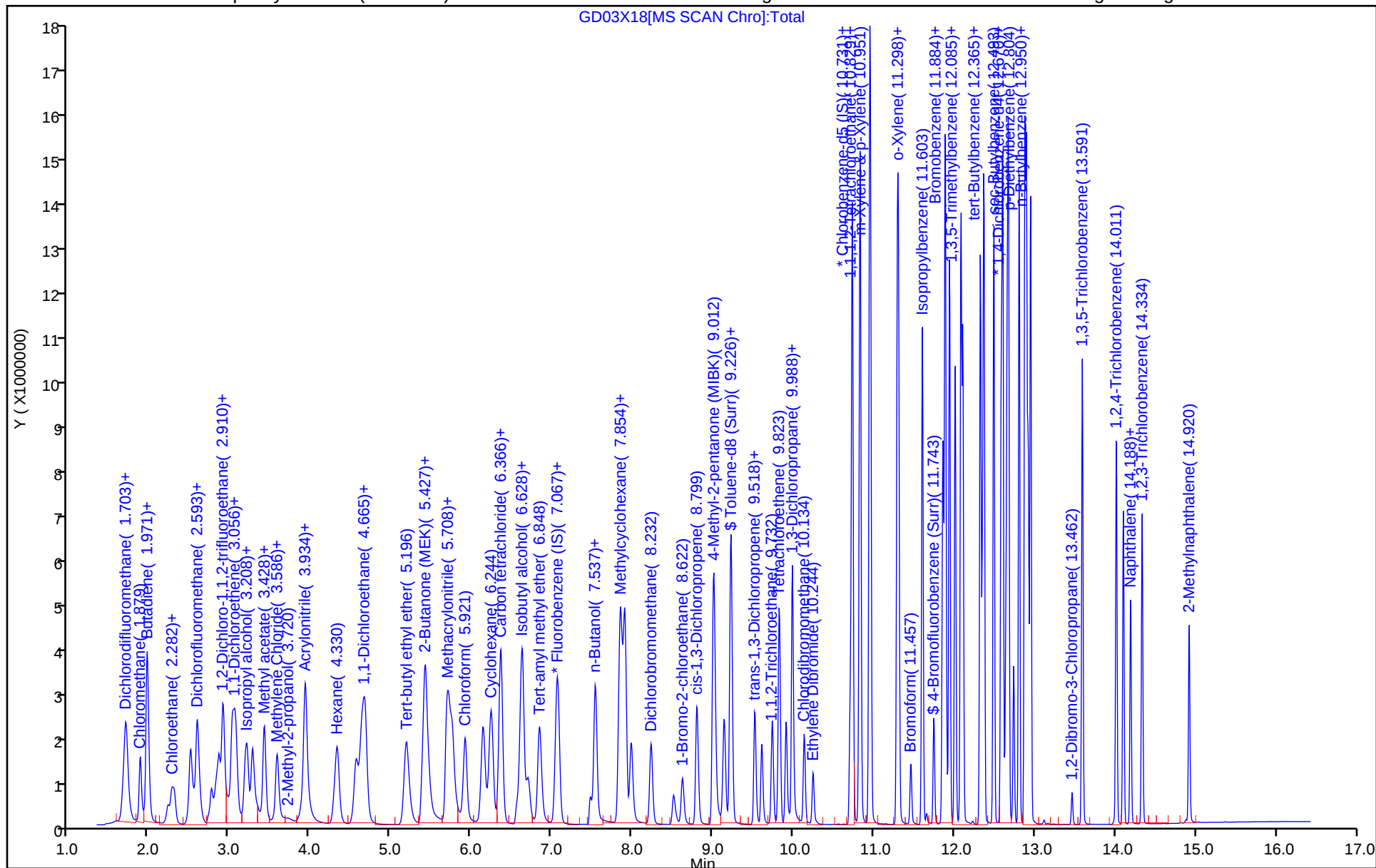
ALS Bottle#: 8

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

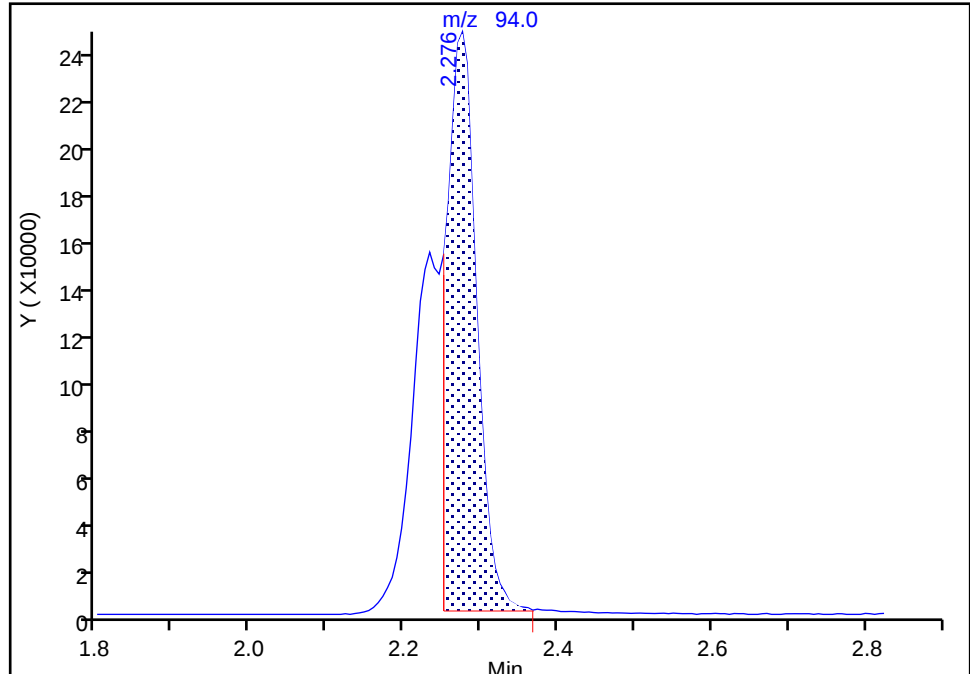
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Injection Date: 03-Dec-2024 18:18:30 Instrument ID: 16334
Lims ID: IC std7
Client ID:
Operator ID: knk41612 ALS Bottle#: 8 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

9 Bromomethane, CAS: 74-83-9

Signal: 1

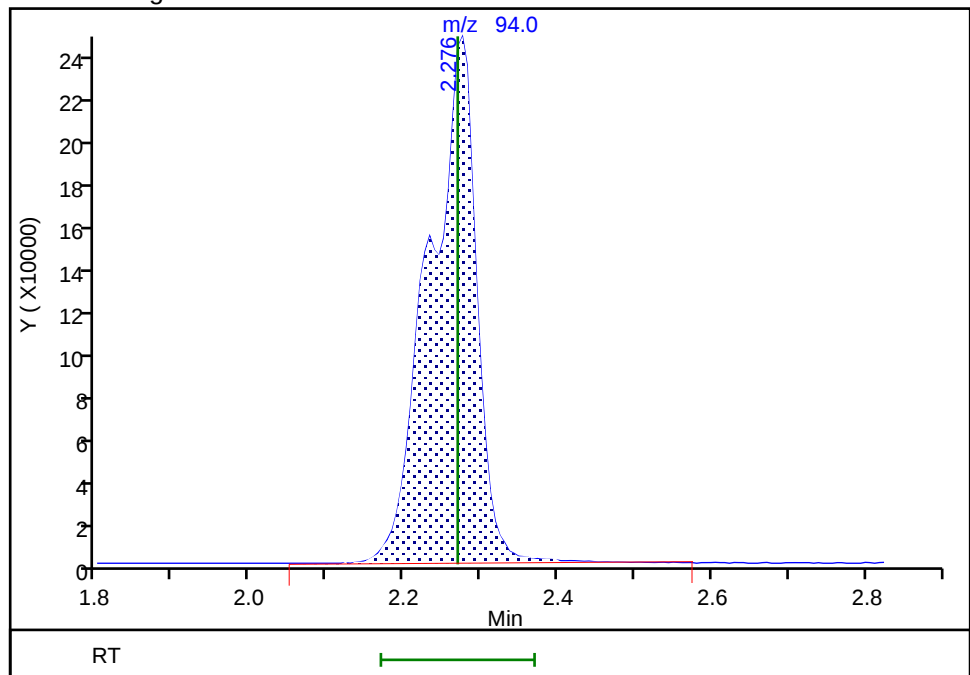
RT: 2.28
Area: 646904
Amount: 22.547043
Amount Units: ug/l

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

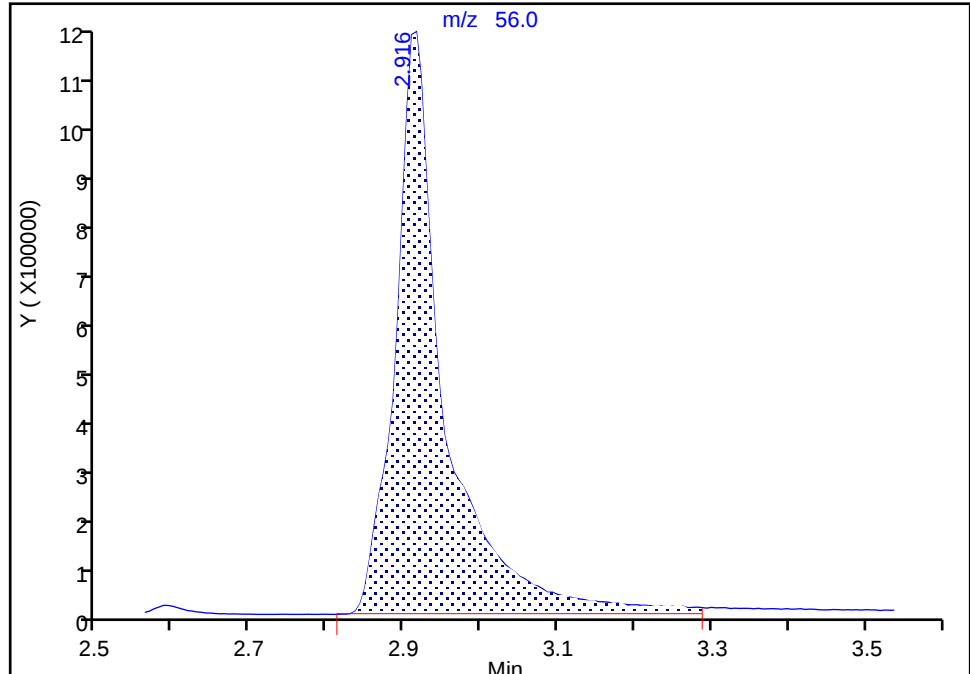
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Injection Date: 03-Dec-2024 18:18:30 Instrument ID: 16334
Lims ID: IC std7
Client ID:
Operator ID: knk41612 ALS Bottle#: 8 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

17 Acrolein, CAS: 107-02-8

Signal: 1

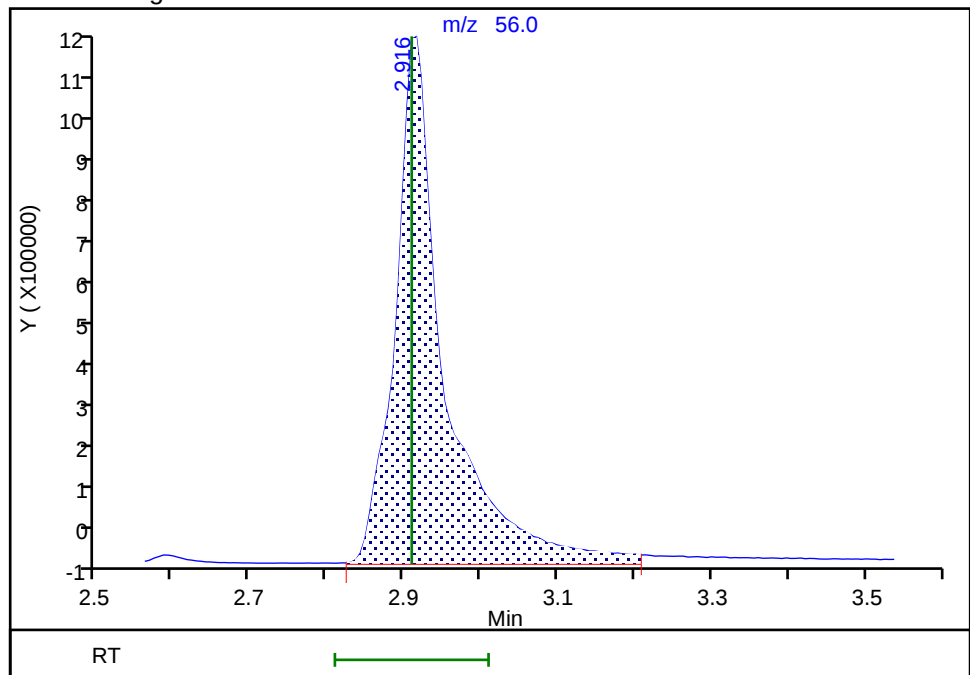
RT: 2.92
Area: 5355138
Amount: 1951.8188
Amount Units: ug/l

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

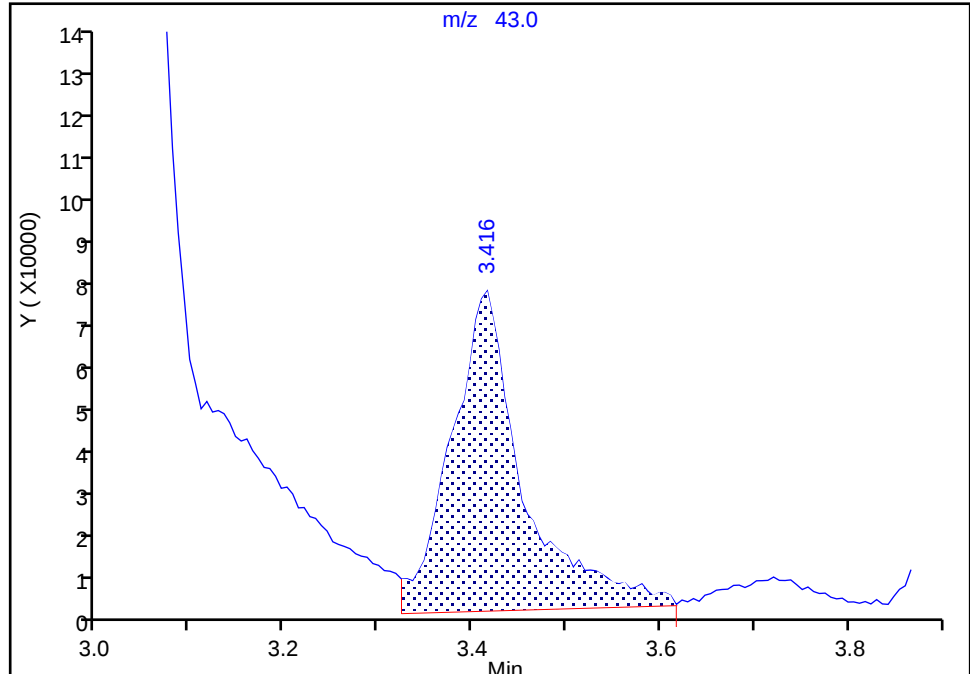
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Injection Date: 03-Dec-2024 18:18:30 Instrument ID: 16334
Lims ID: IC std7
Client ID:
Operator ID: knk41612 ALS Bottle#: 8 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

25 Methyl acetate, CAS: 79-20-9

Signal: 1

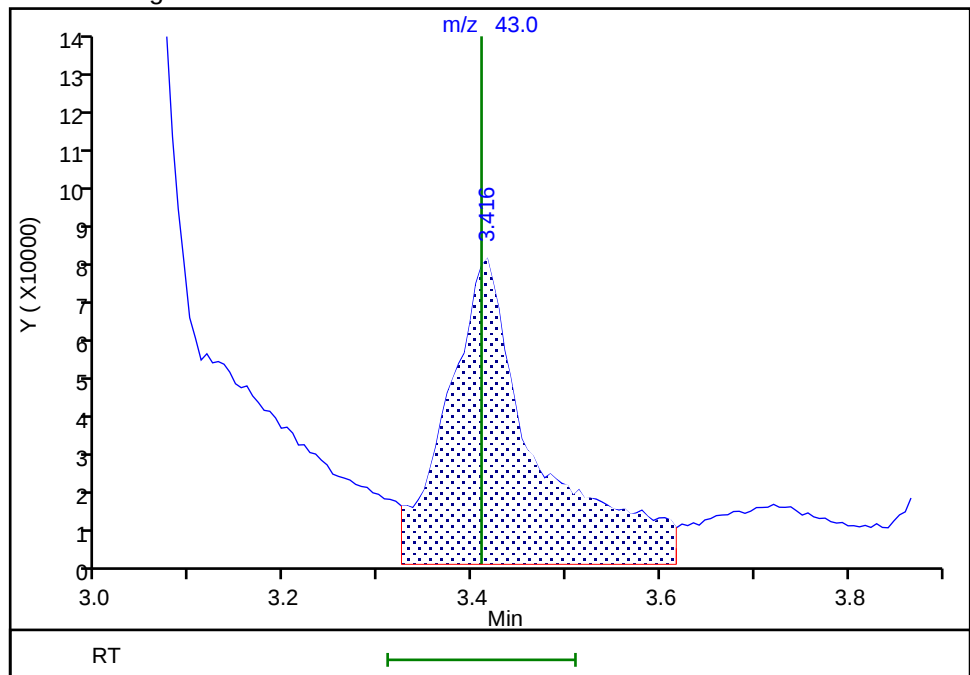
RT: 3.42
Area: 368811
Amount: 27.686950
Amount Units: ug/l

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

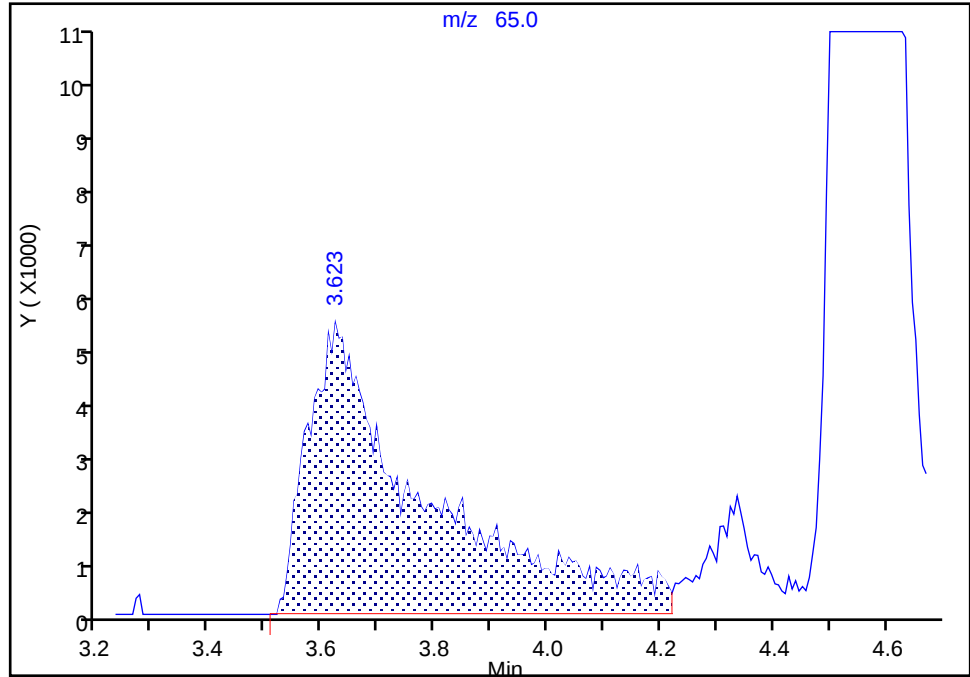
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Injection Date: 03-Dec-2024 18:18:30 Instrument ID: 16334
Lims ID: IC std7
Client ID:
Operator ID: knk41612 ALS Bottle#: 8 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

* 30 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

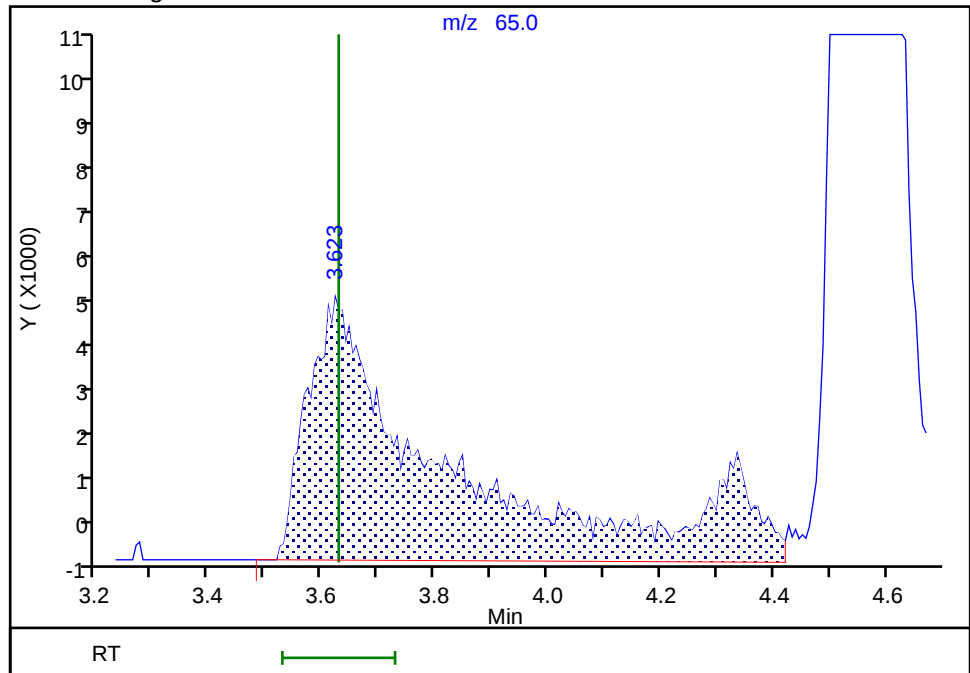
RT: 3.62
Area: 72985
Amount: 49.998300
Amount Units: ug/l

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

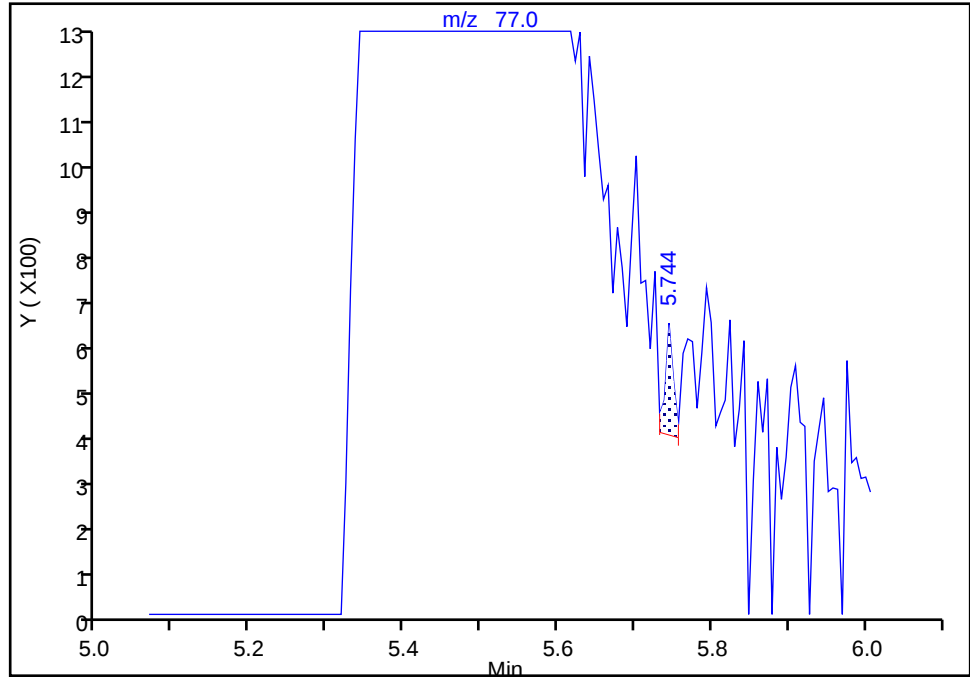
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Injection Date: 03-Dec-2024 18:18:30 Instrument ID: 16334
Lims ID: IC std7
Client ID:
Operator ID: knk41612 ALS Bottle#: 8 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

43 2,2-Dichloropropane, CAS: 594-20-7

Signal: 1

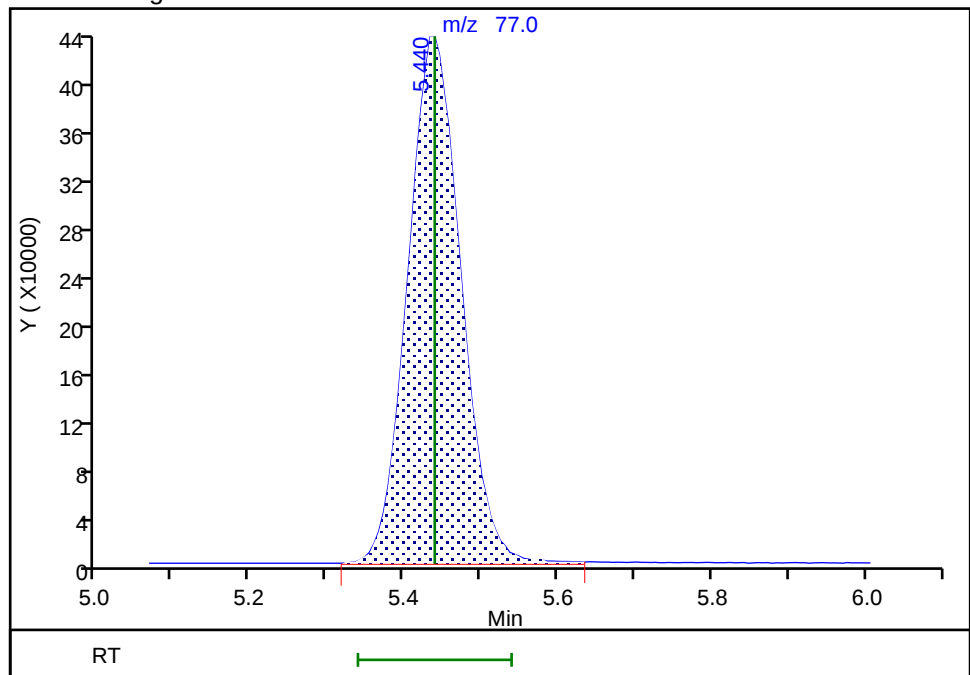
RT: 5.74
Area: 185
Amount: 0.002588
Amount Units: ug/l

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

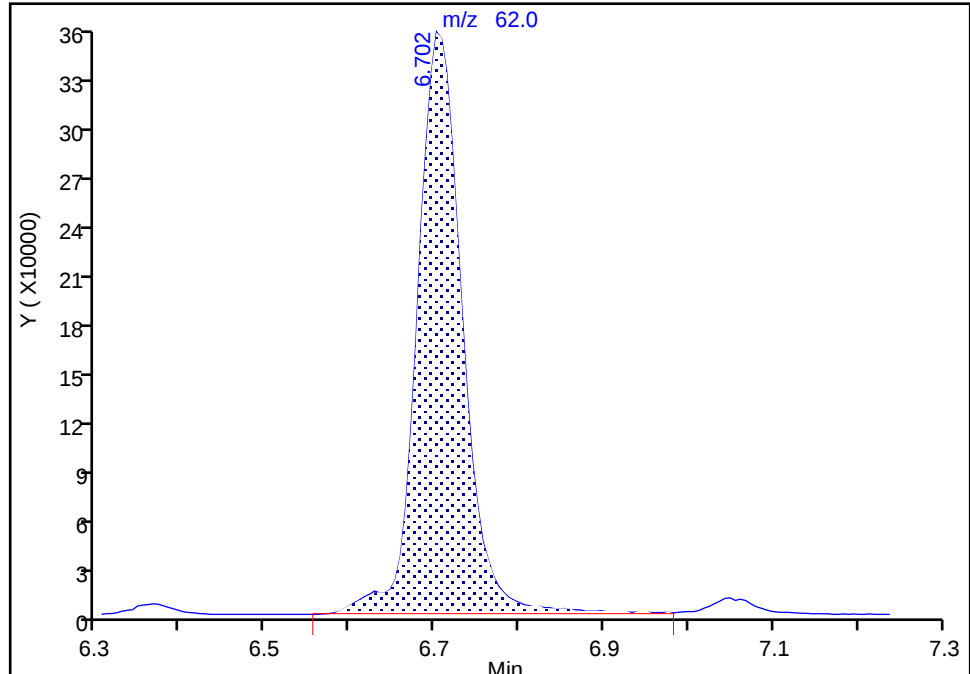
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Injection Date: 03-Dec-2024 18:18:30 Instrument ID: 16334
Lims ID: IC std7
Client ID:
Operator ID: knk41612 ALS Bottle#: 8 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

61 1,2-Dichloroethane, CAS: 107-06-2

Signal: 1

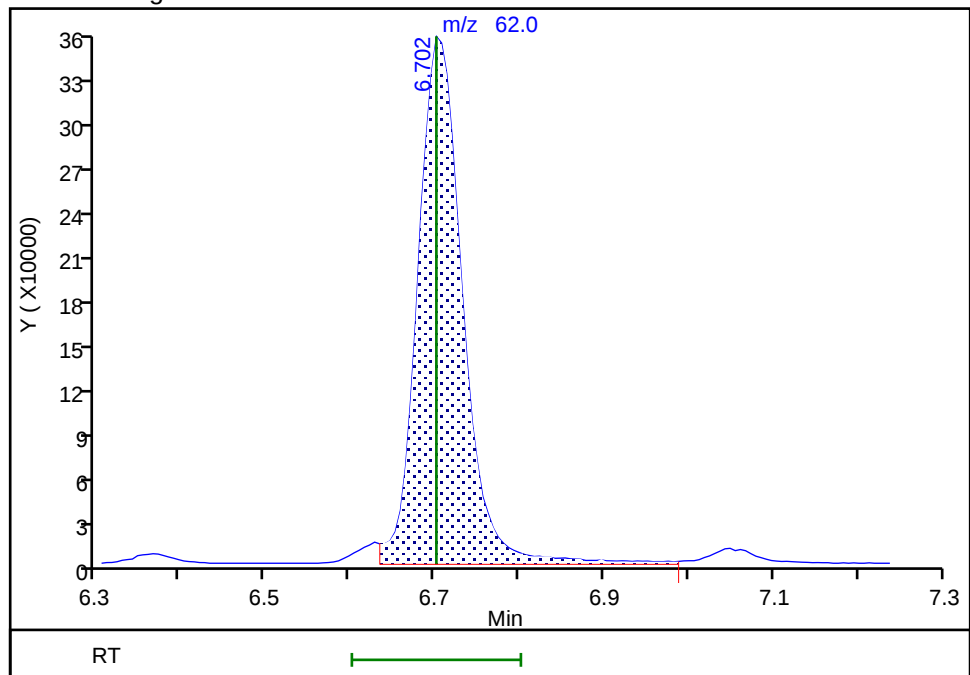
RT: 6.70
Area: 1335061
Amount: 25.648038
Amount Units: ug/l

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

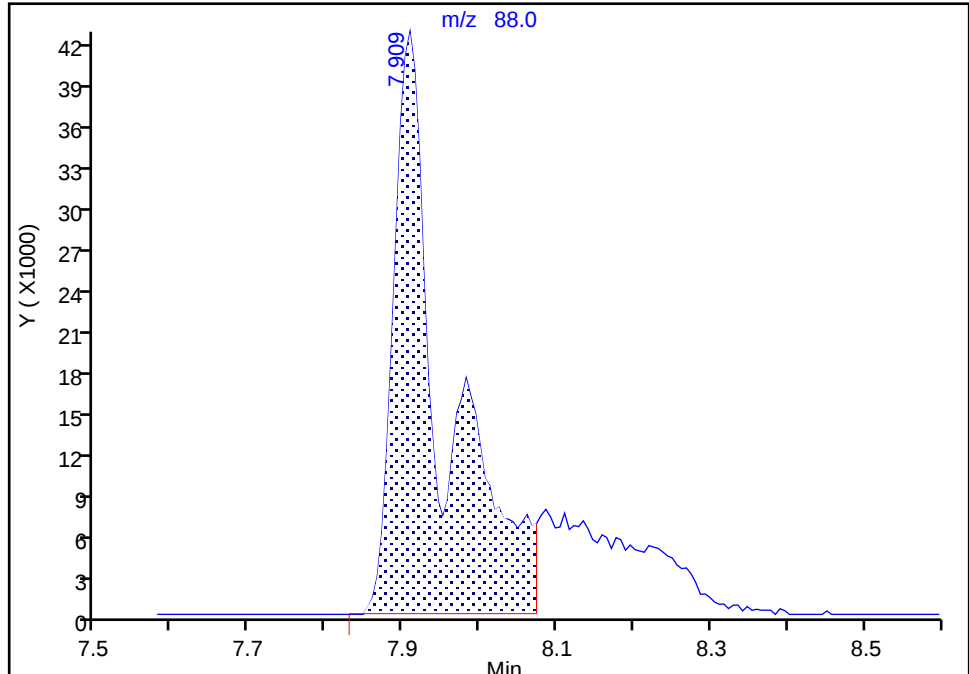
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Injection Date: 03-Dec-2024 18:18:30 Instrument ID: 16334
Lims ID: IC std7
Client ID:
Operator ID: knk41612 ALS Bottle#: 8 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

73 1,4-Dioxane, CAS: 123-91-1

Signal: 1

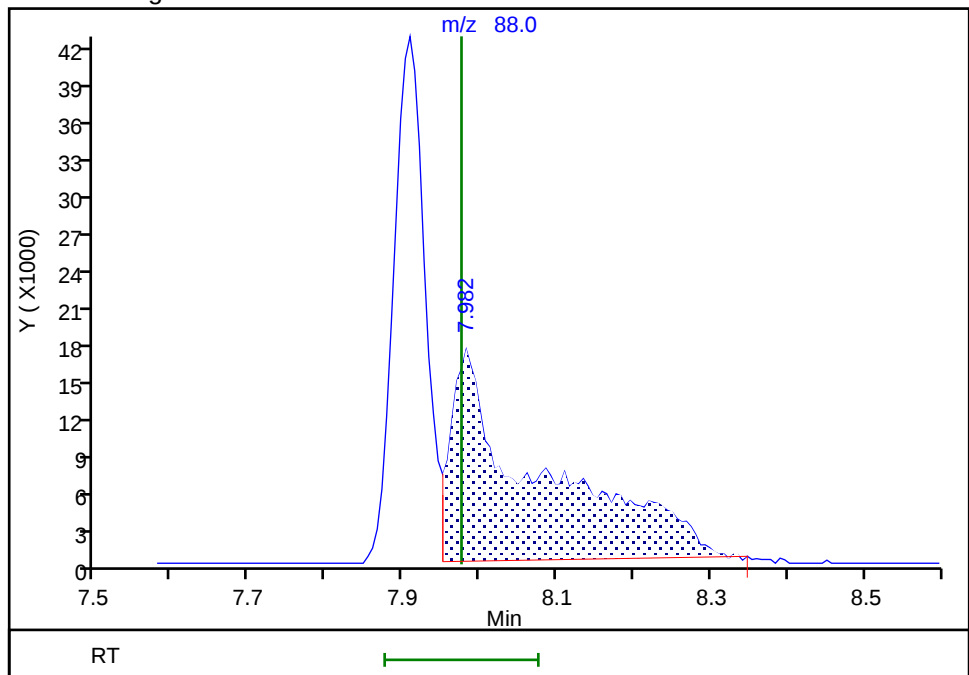
RT: 7.91
Area: 194527
Amount: 2063.7203
Amount Units: ug/l

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

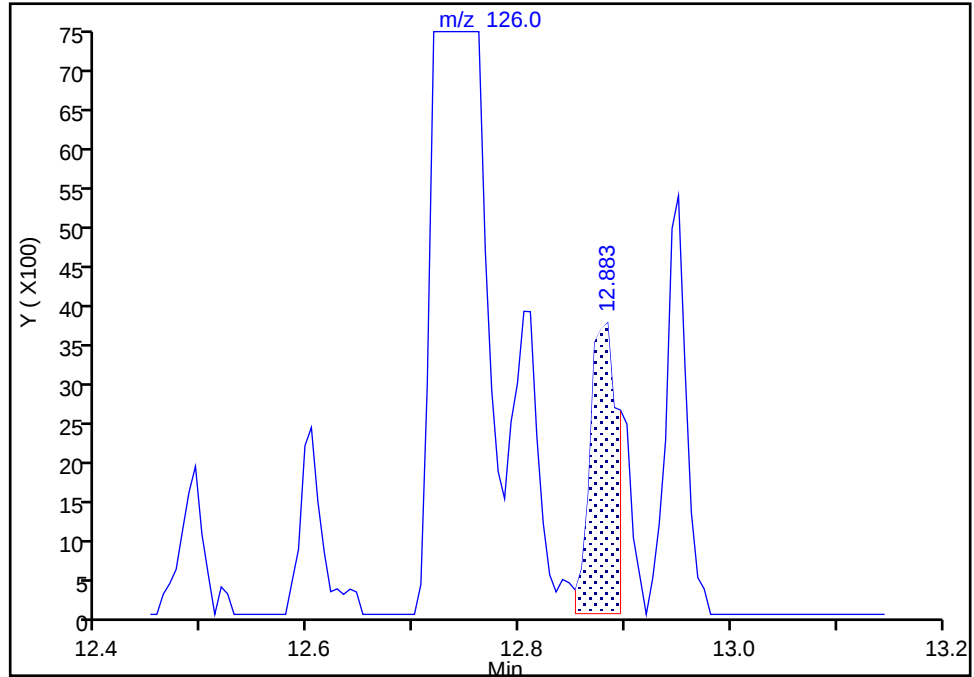
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Injection Date: 03-Dec-2024 18:18:30 Instrument ID: 16334
Lims ID: IC std7
Client ID:
Operator ID: knk41612 ALS Bottle#: 8 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

145 Benzyl chloride, CAS: 100-44-7

Signal: 1

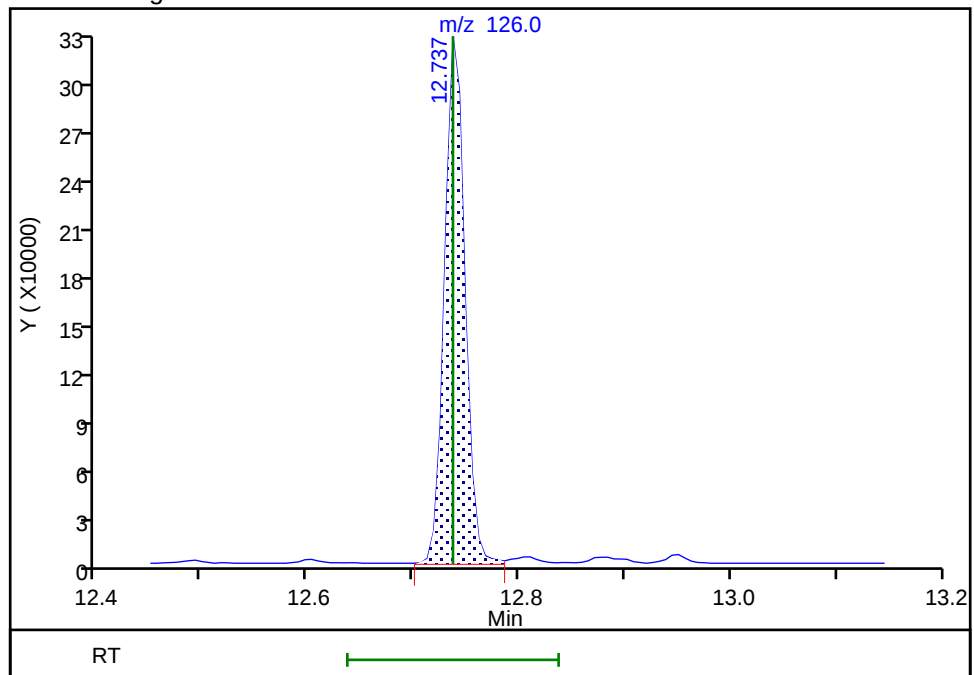
RT: 12.88
Area: 6775
Amount: 2.032198
Amount Units: ug/l

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

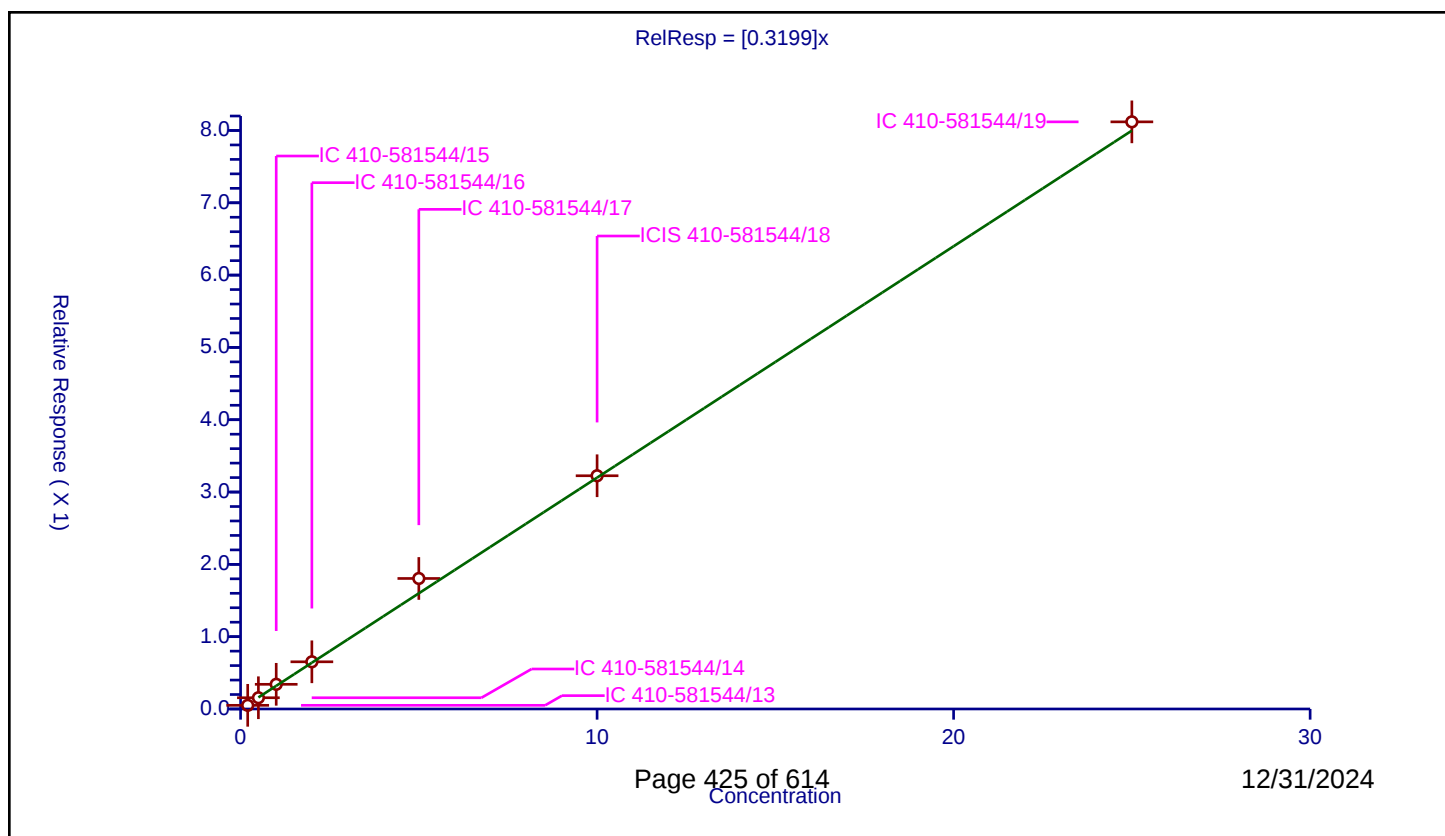
Curve Coefficients

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

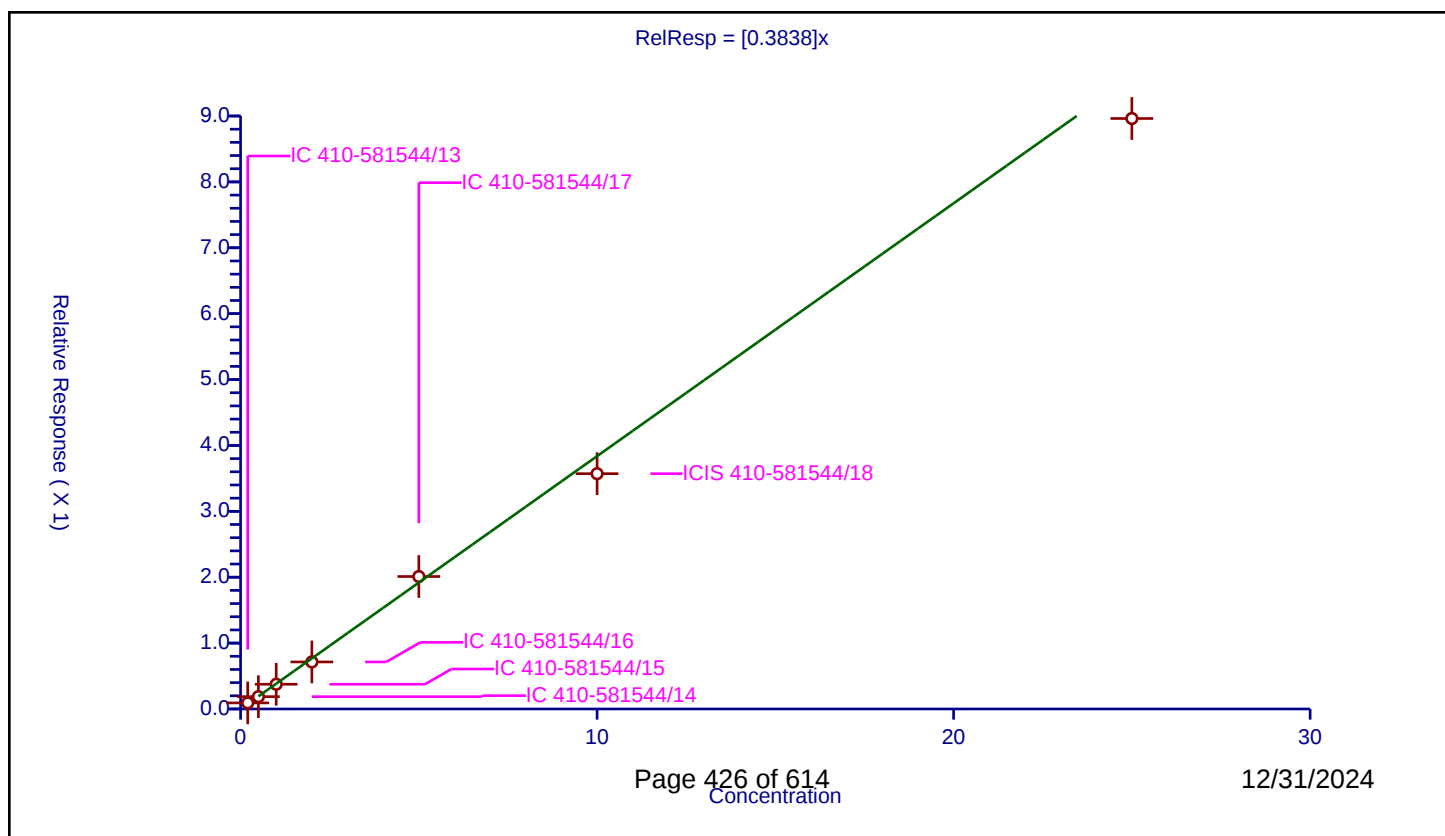
Curve Coefficients

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

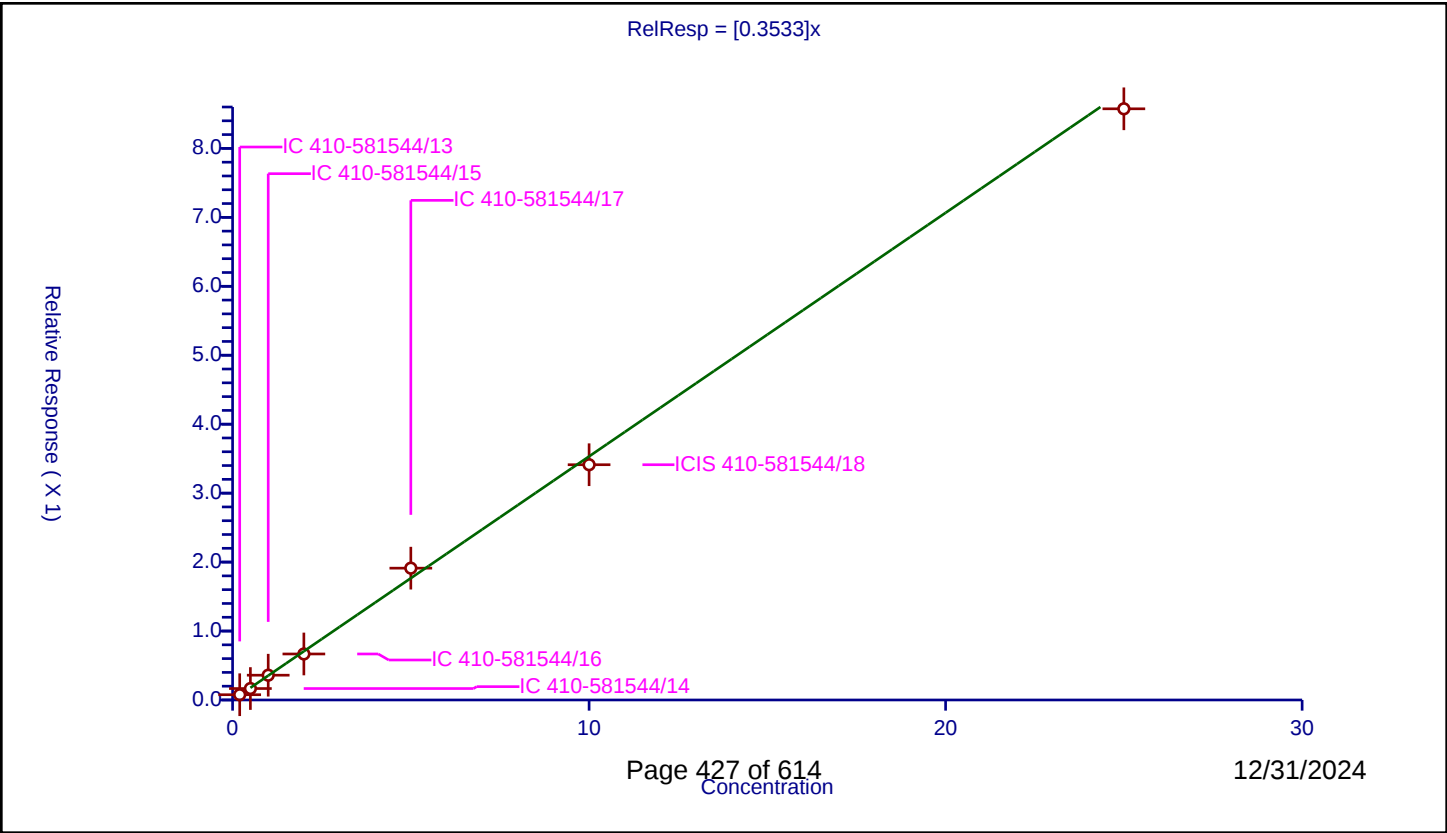
Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

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

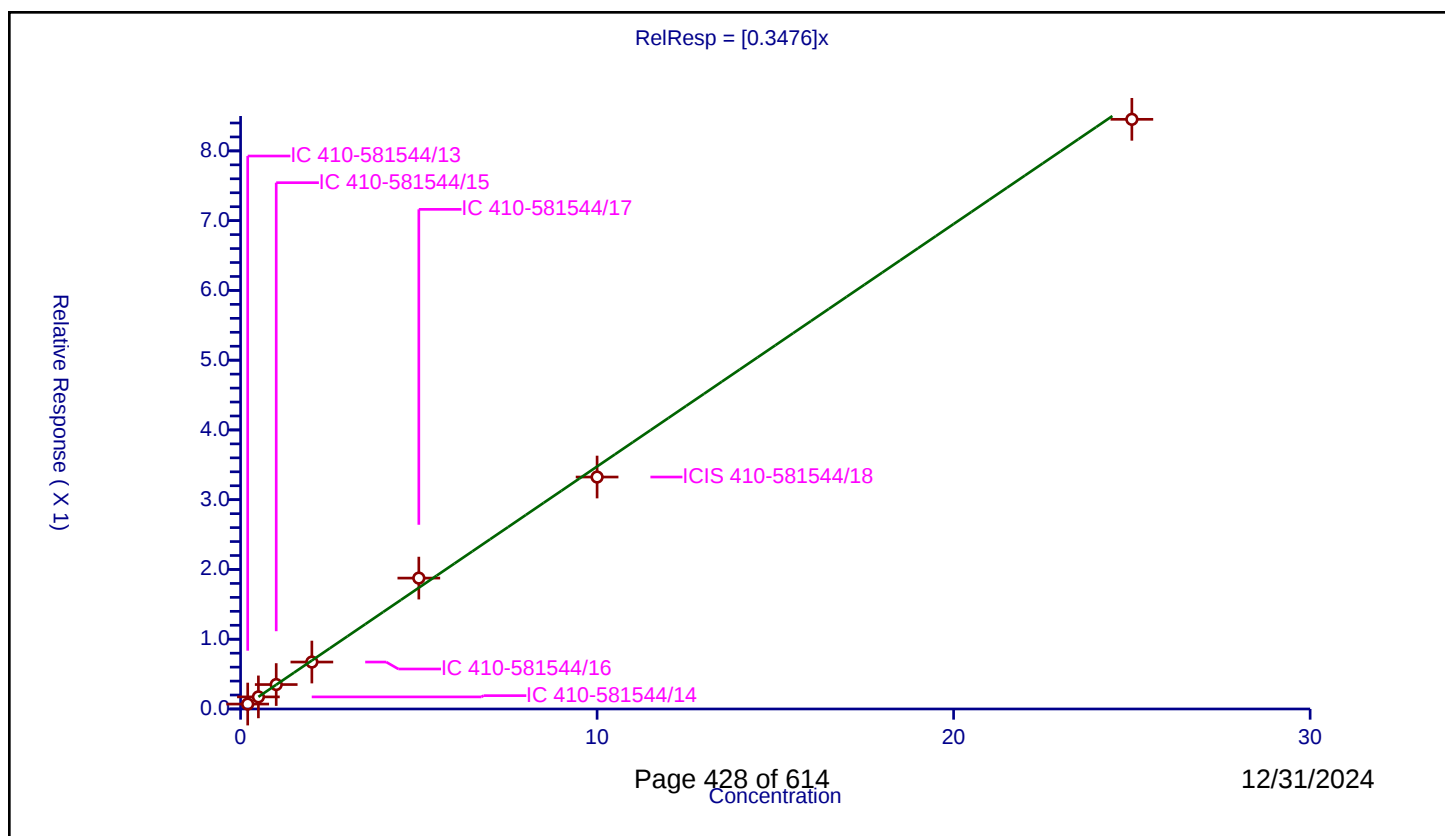
Curve Coefficients

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

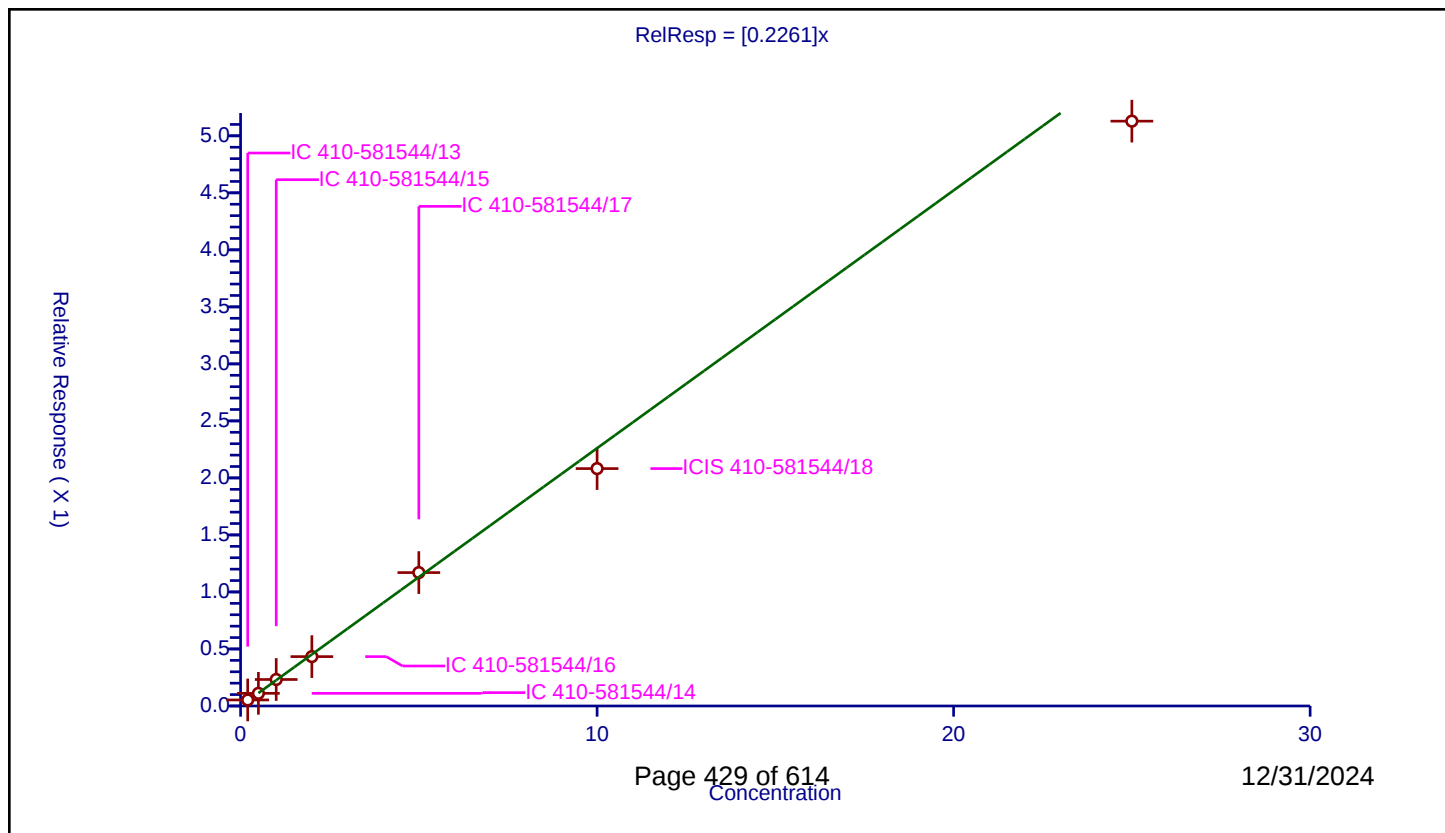
Curve Coefficients

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

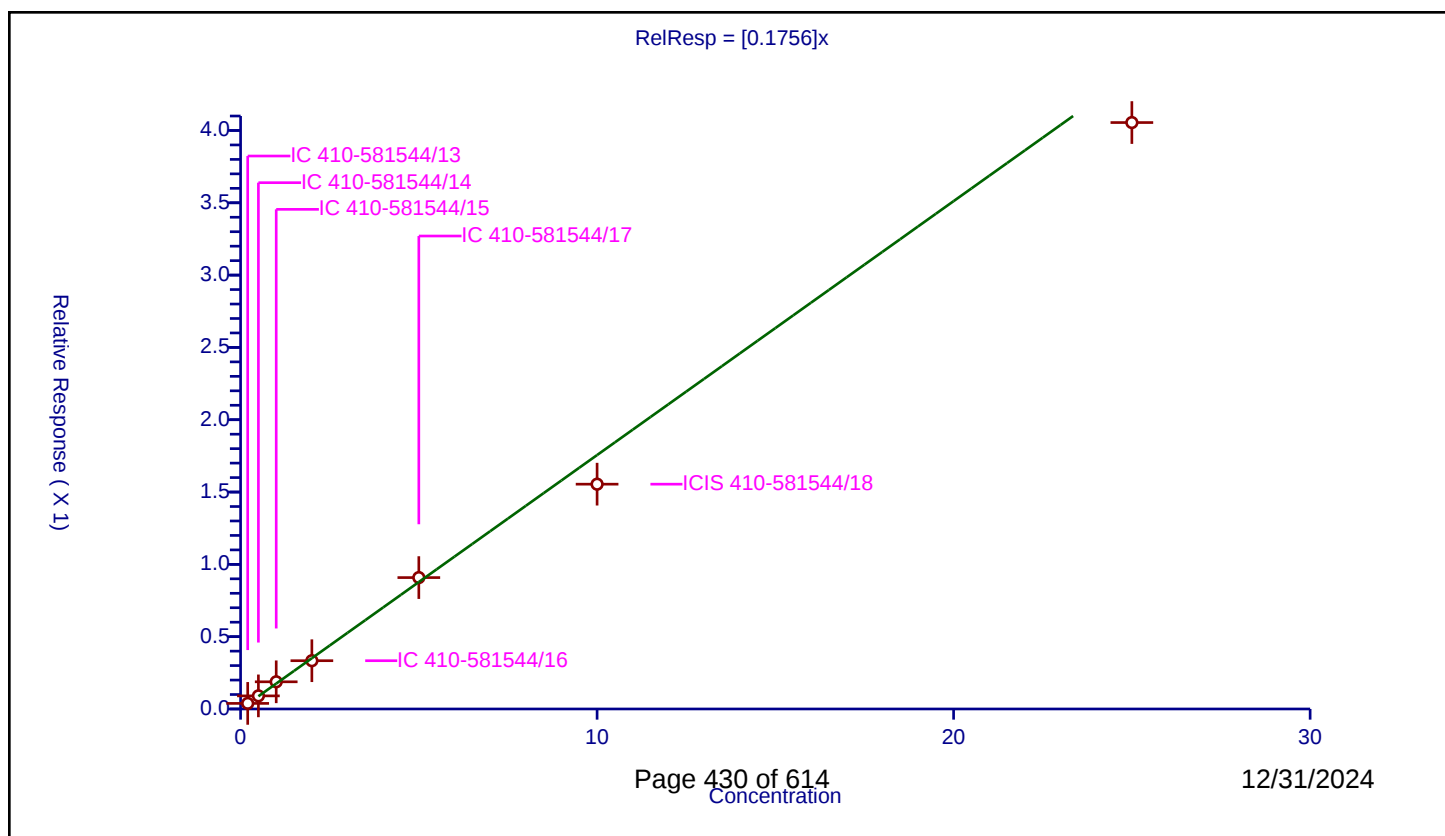
Curve Coefficients

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

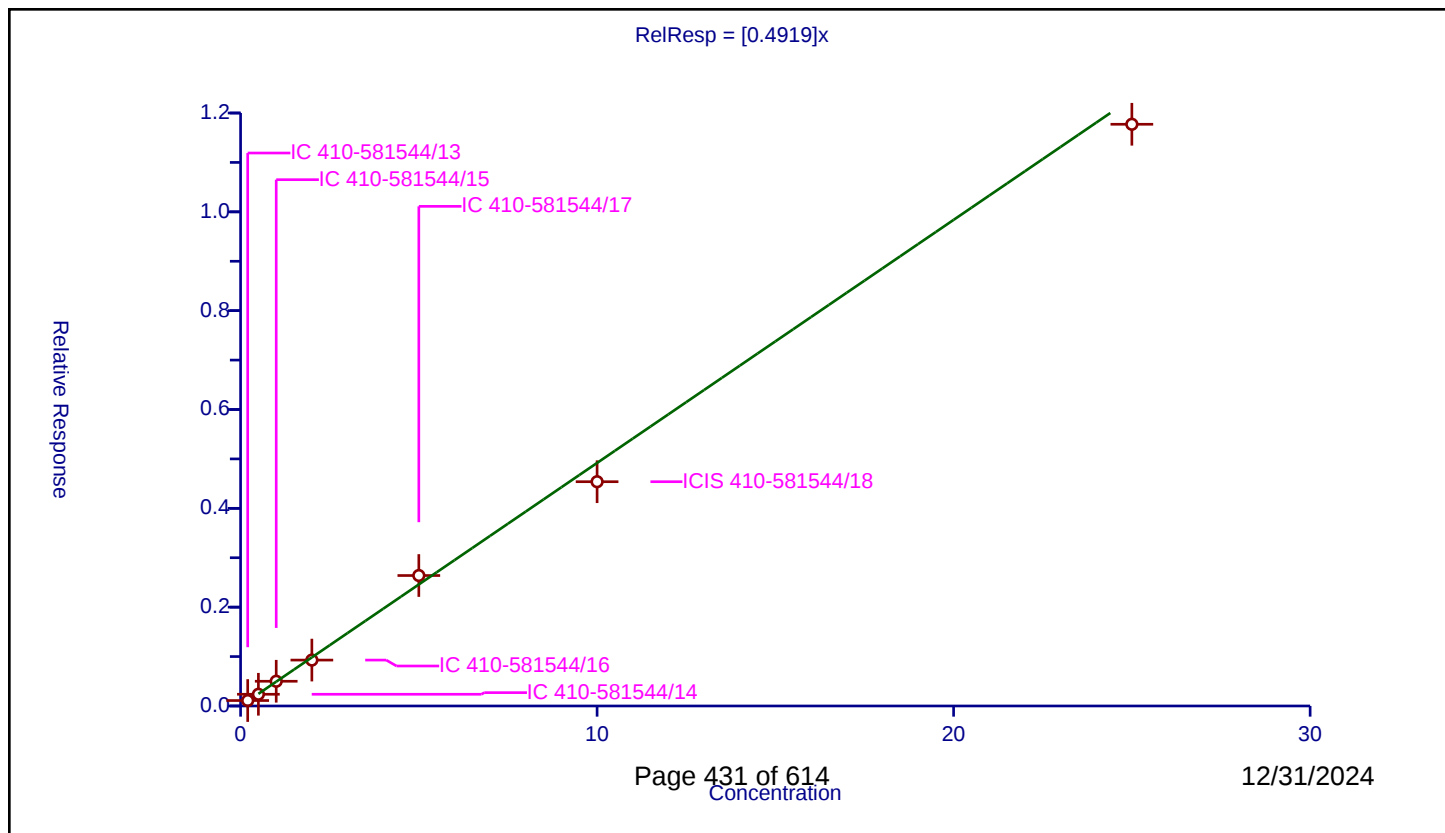
Curve Coefficients

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

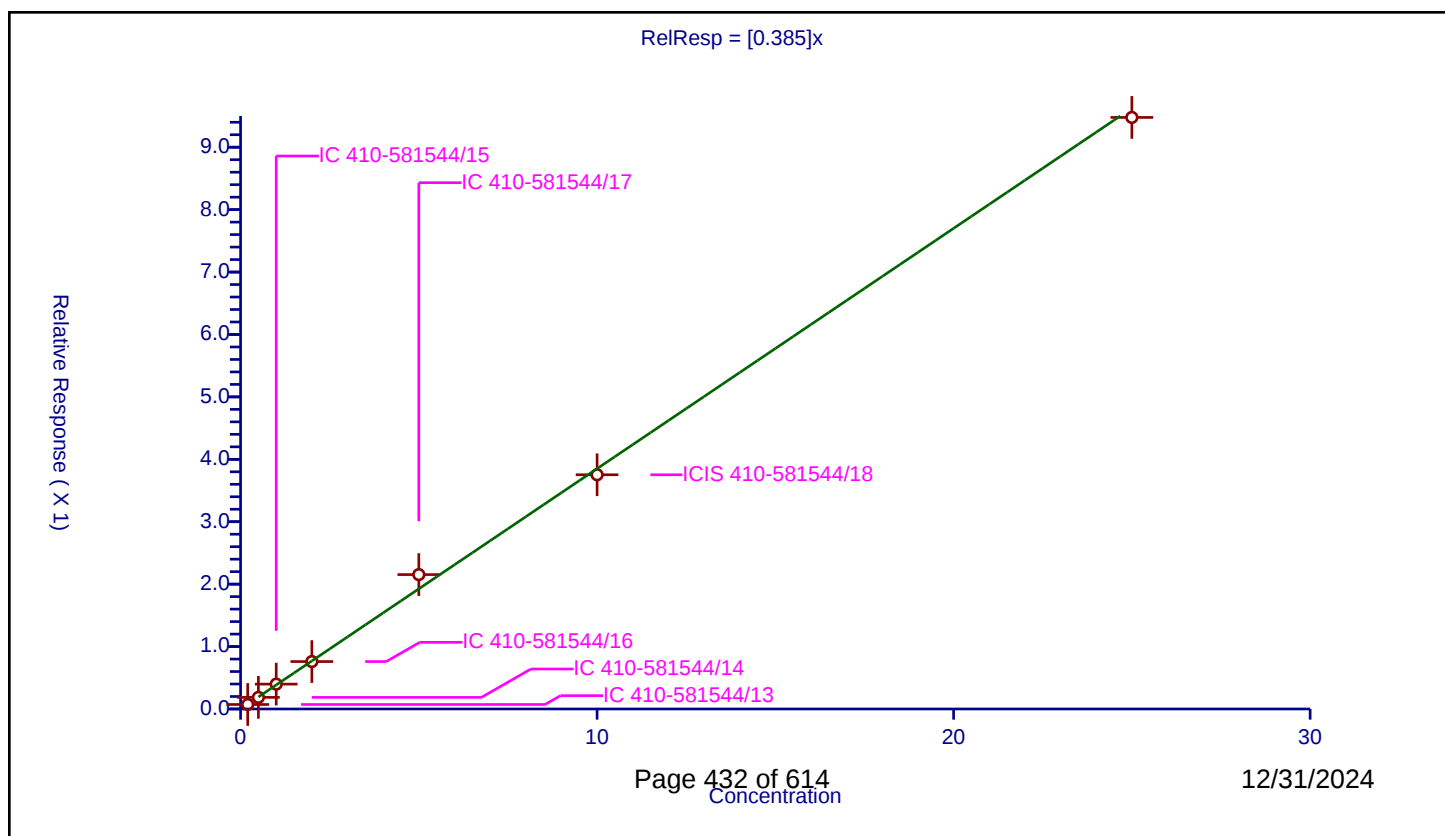
Curve Coefficients

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

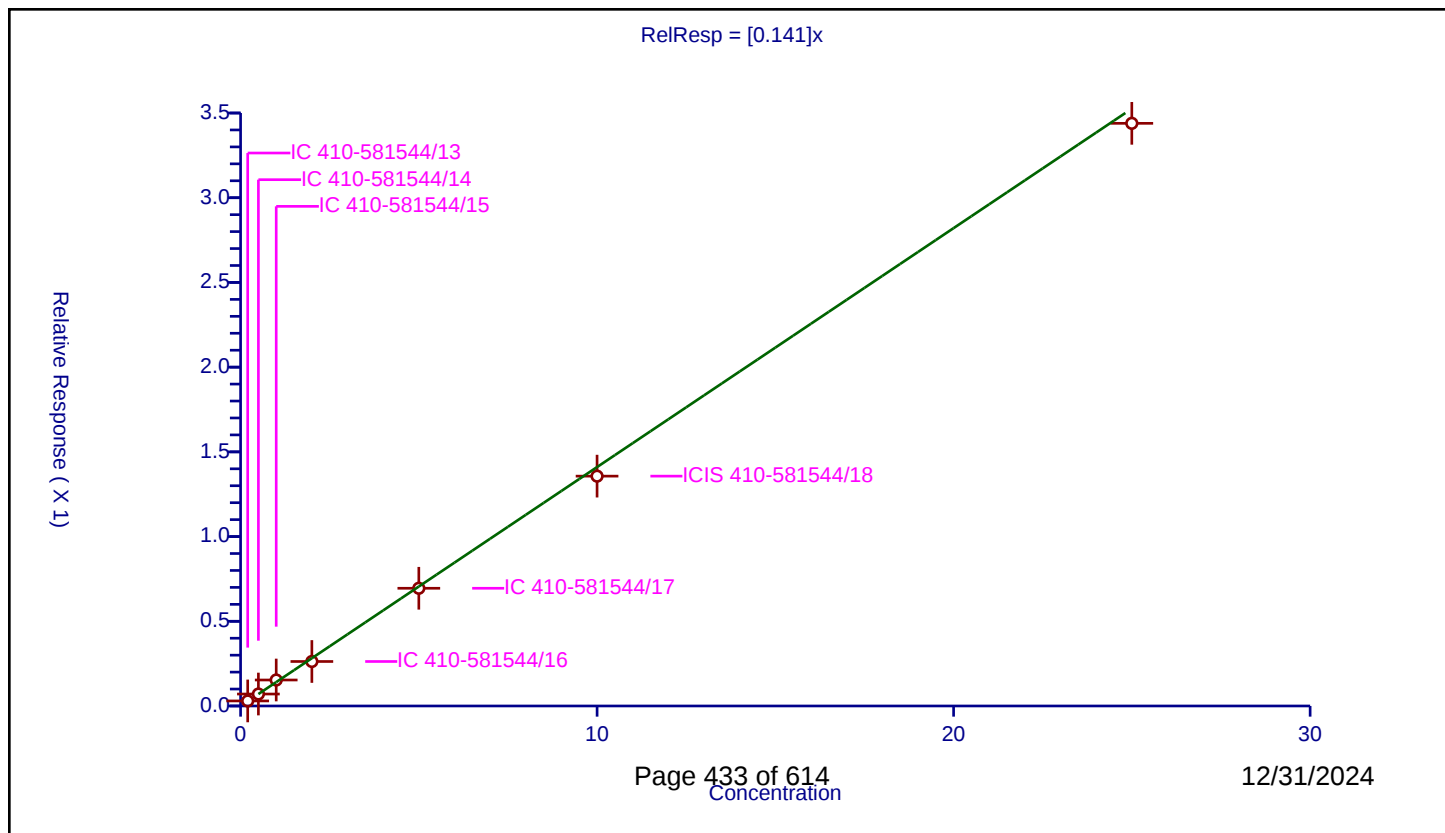
Curve Coefficients

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

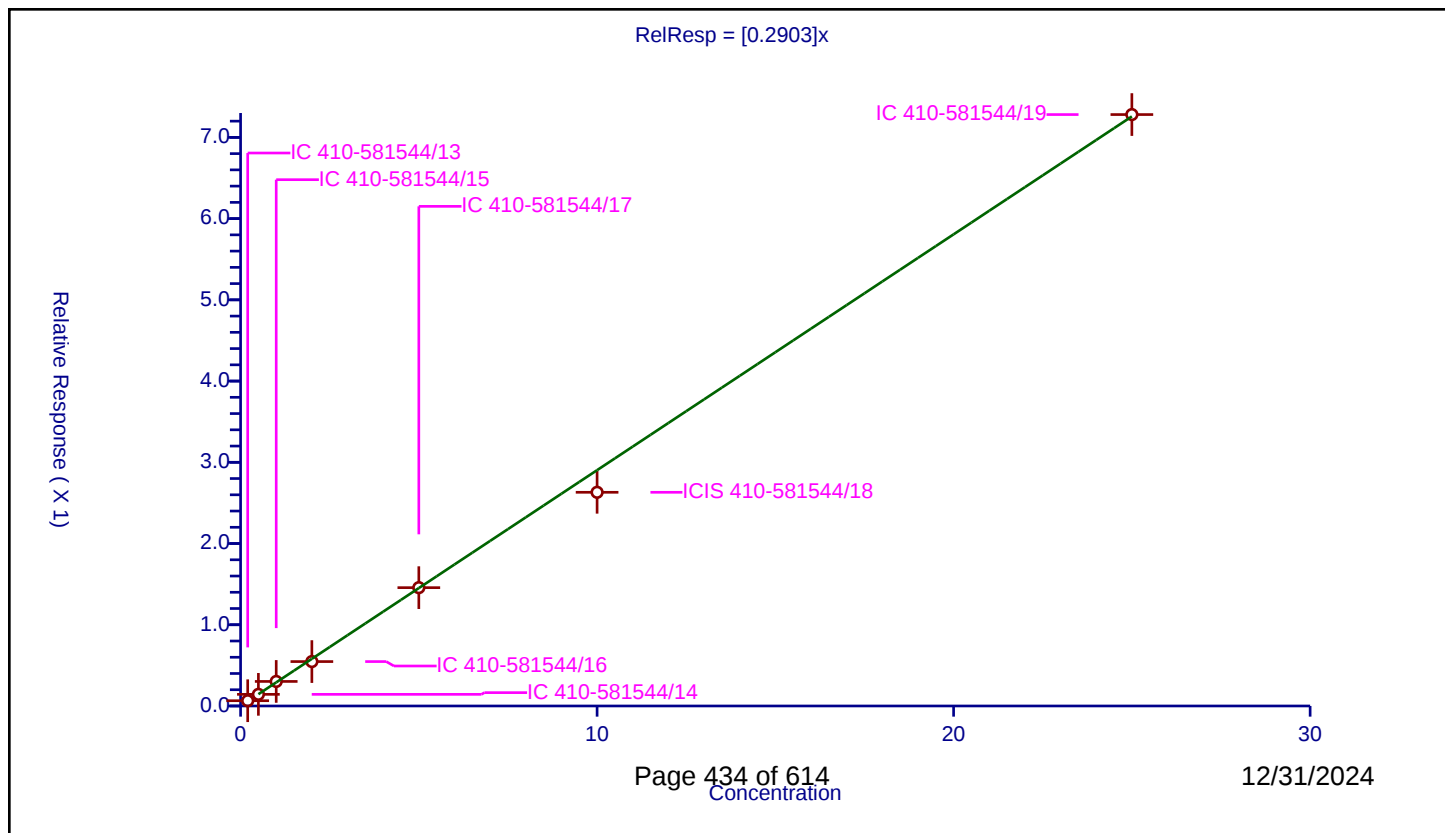
Curve Coefficients

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

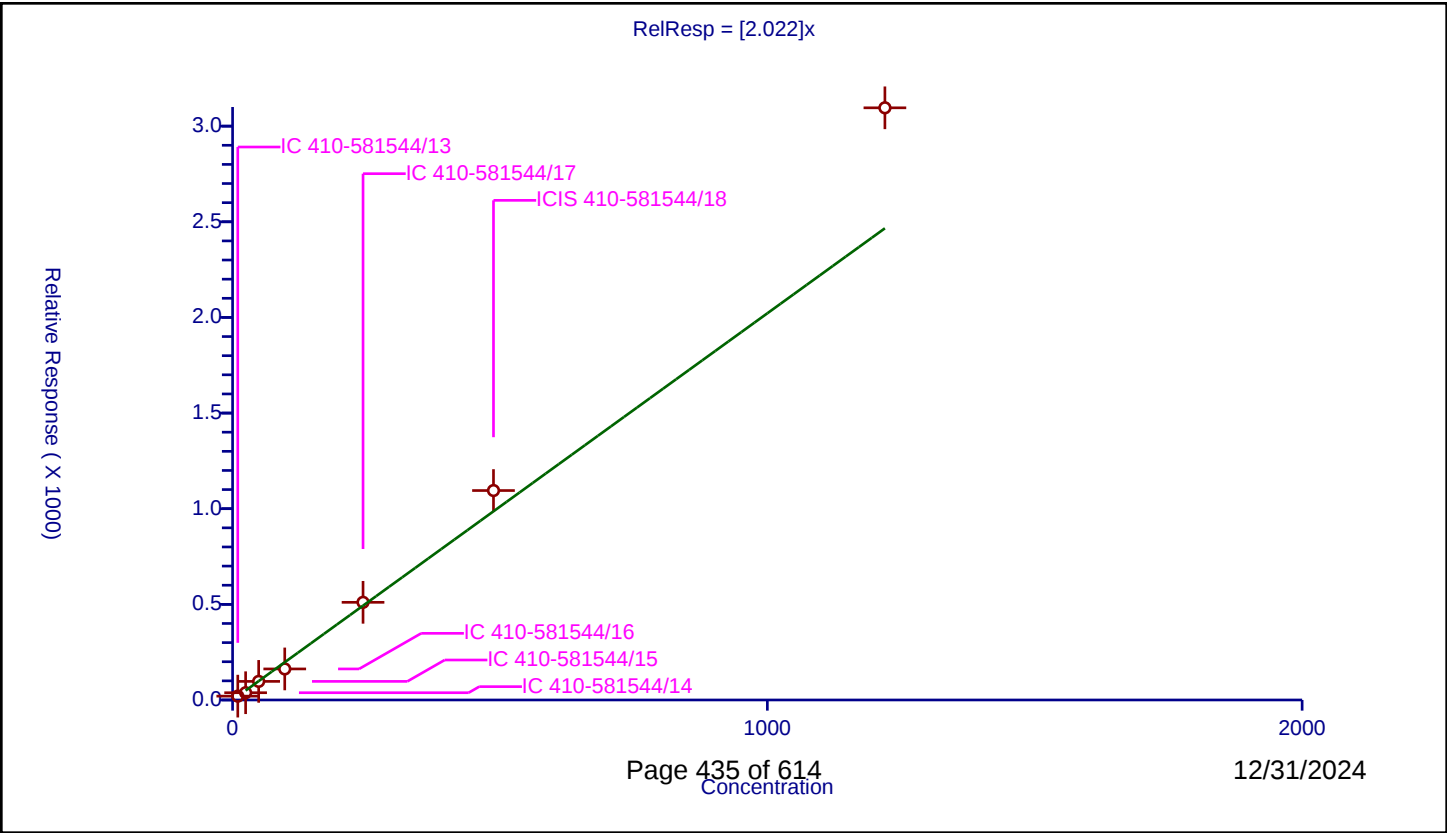


Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

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

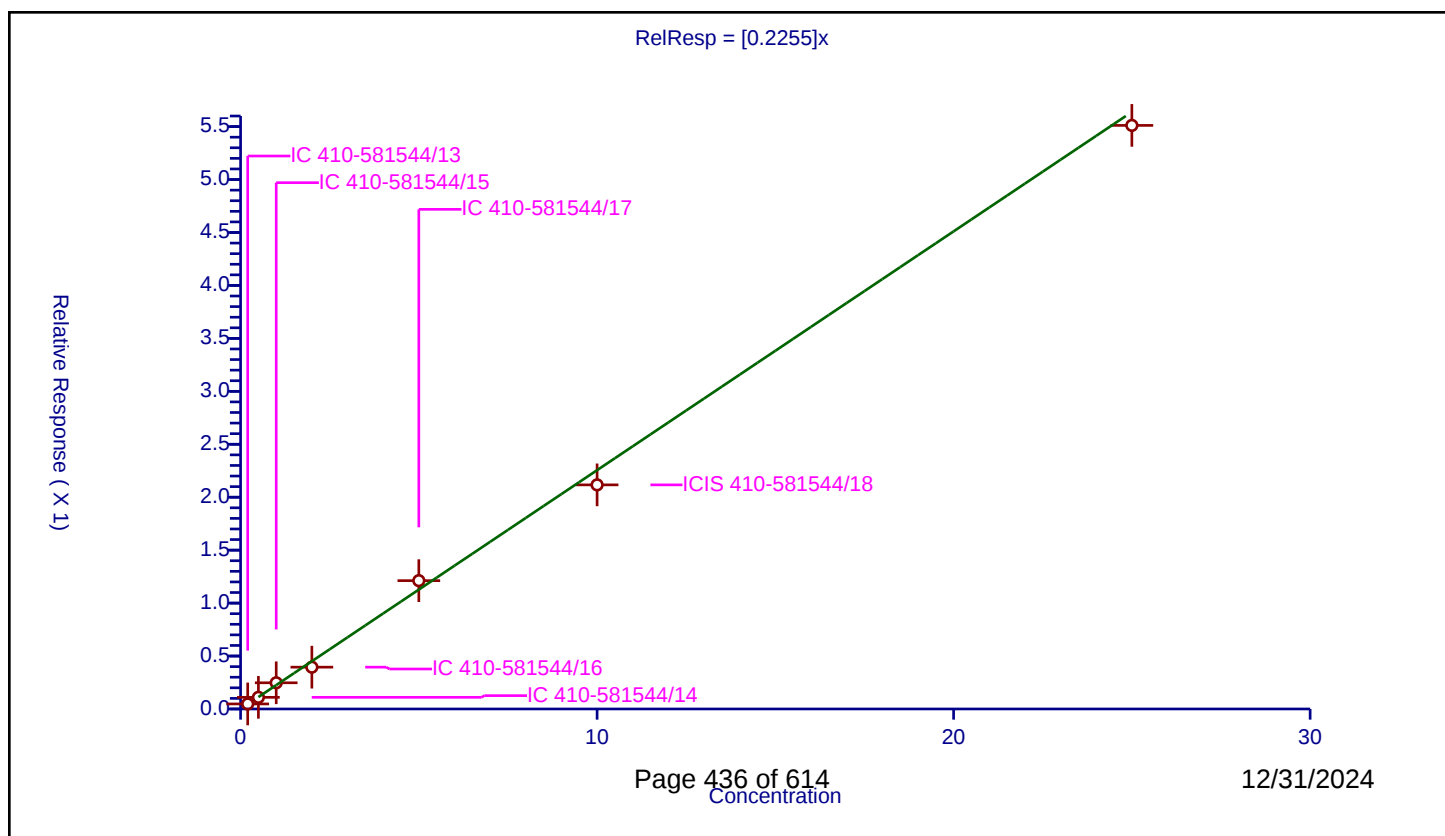
Curve Coefficients

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

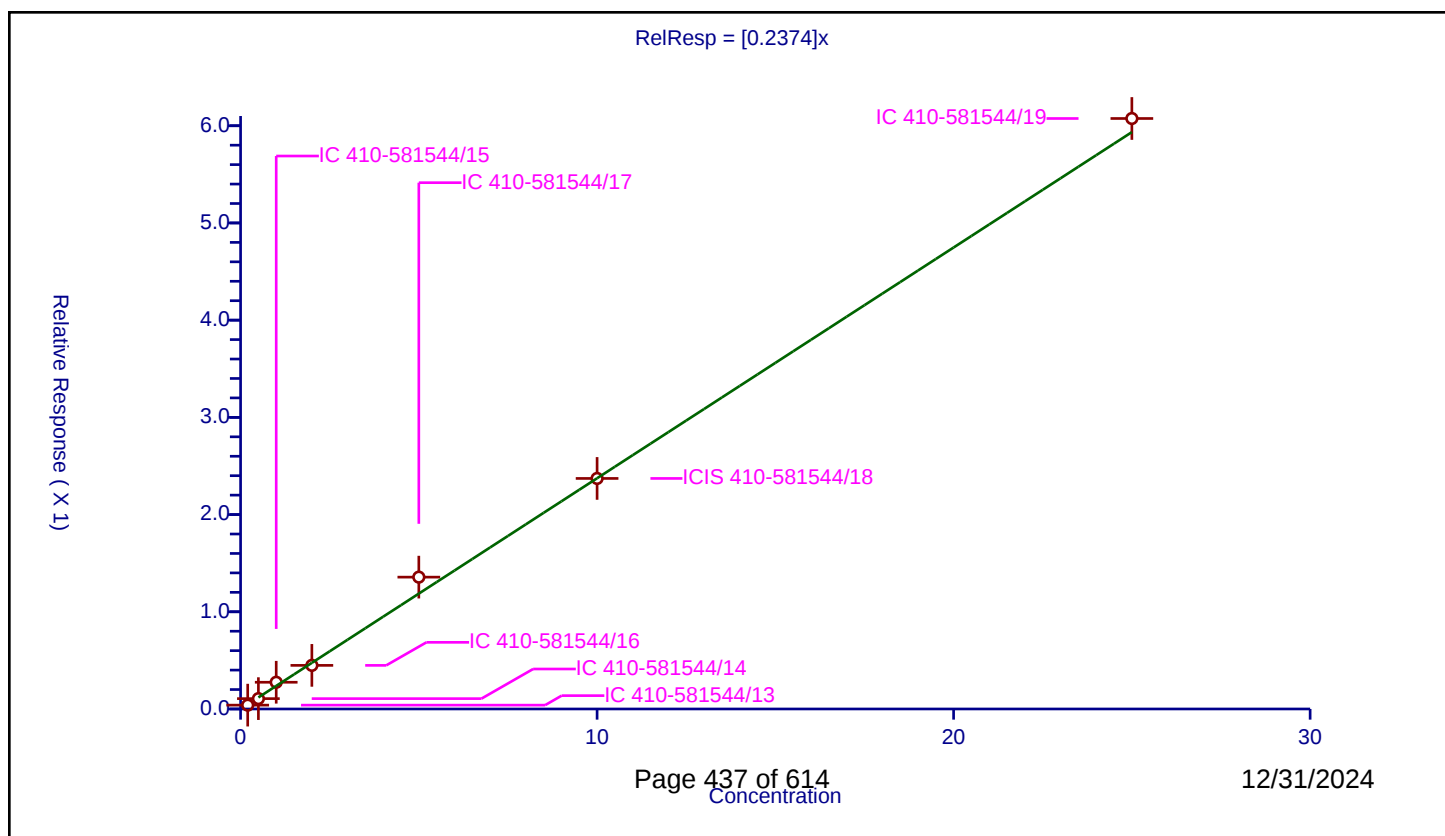
Curve Coefficients

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

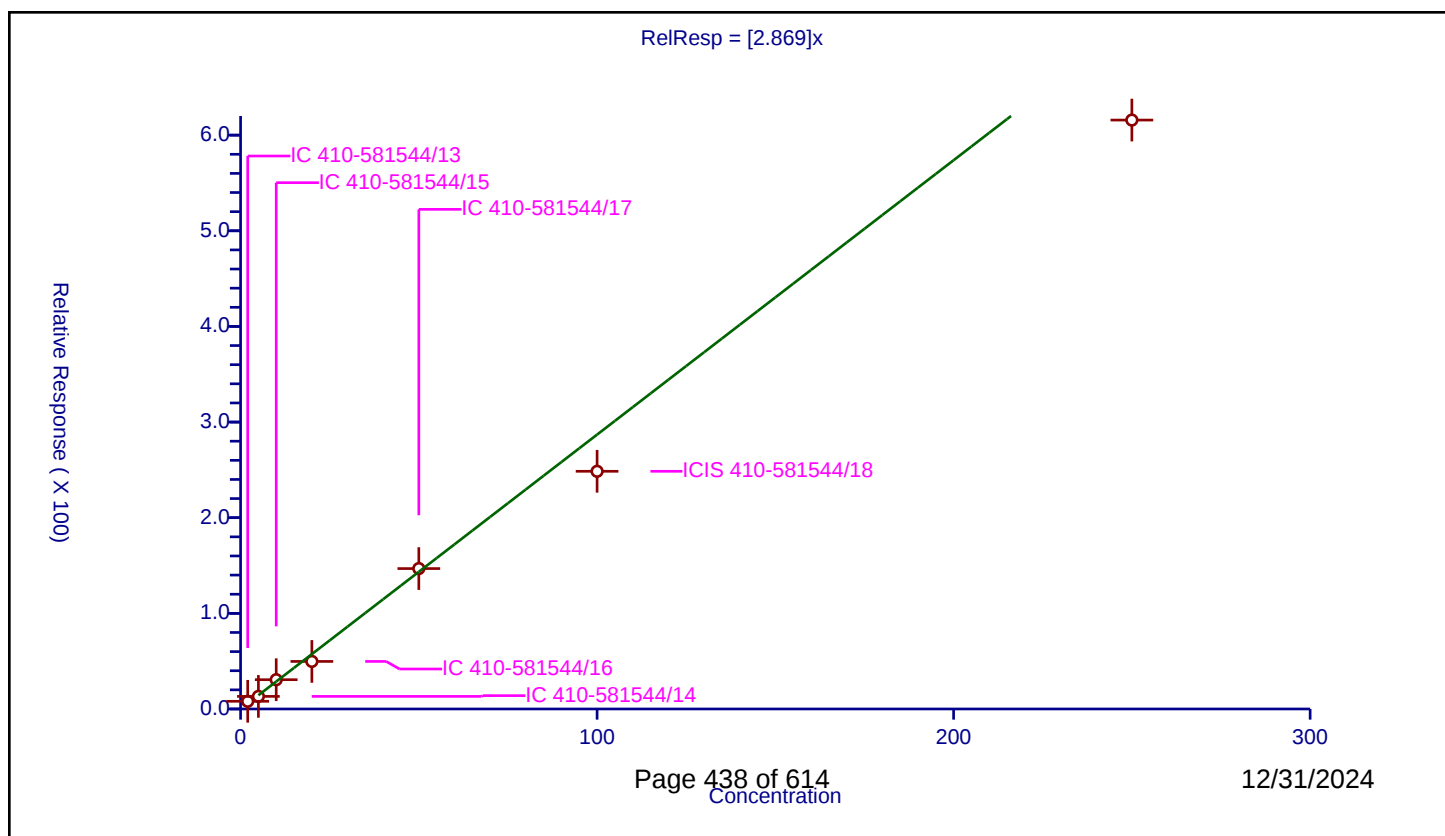
Curve Coefficients

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

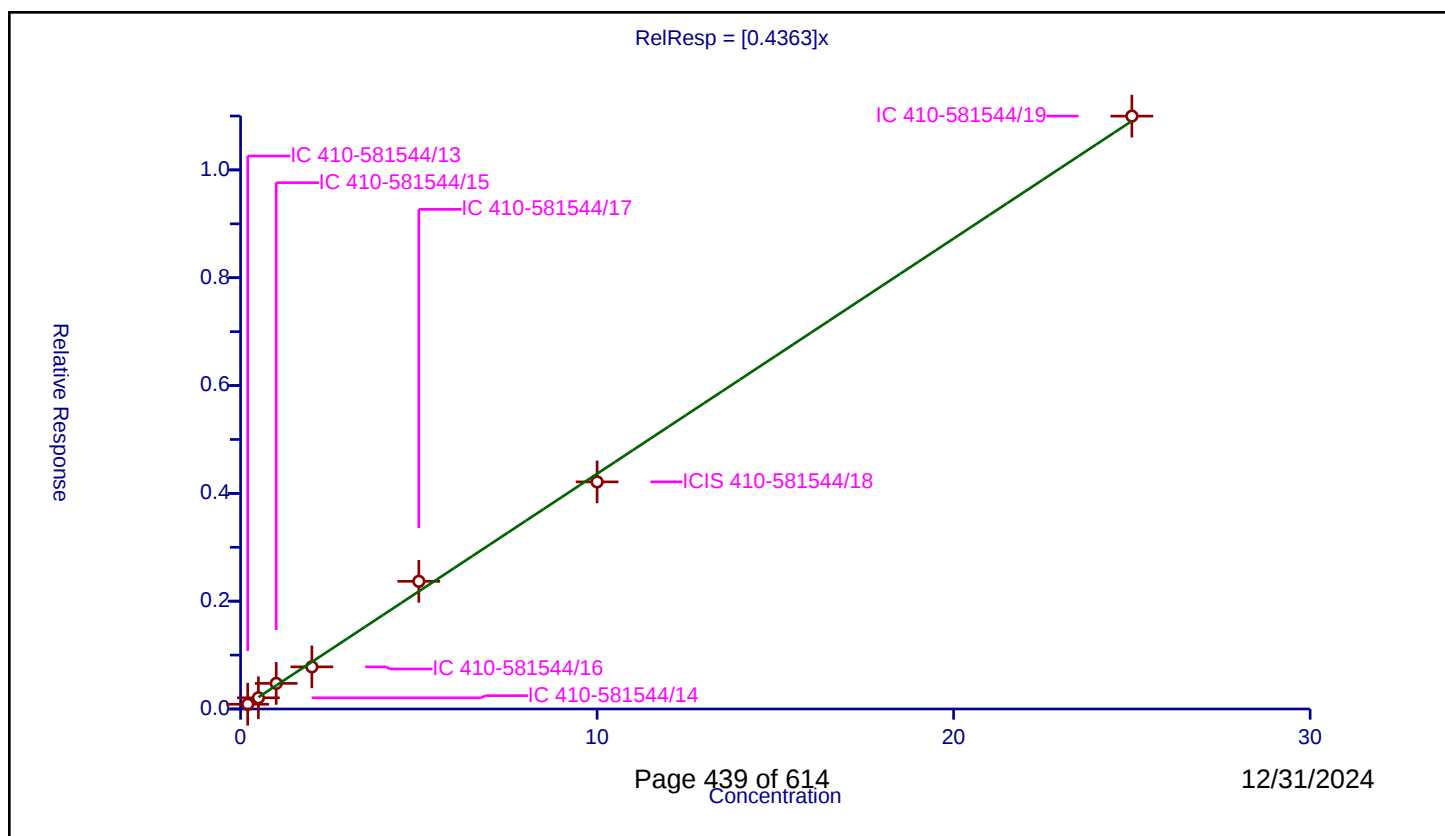
Curve Coefficients

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

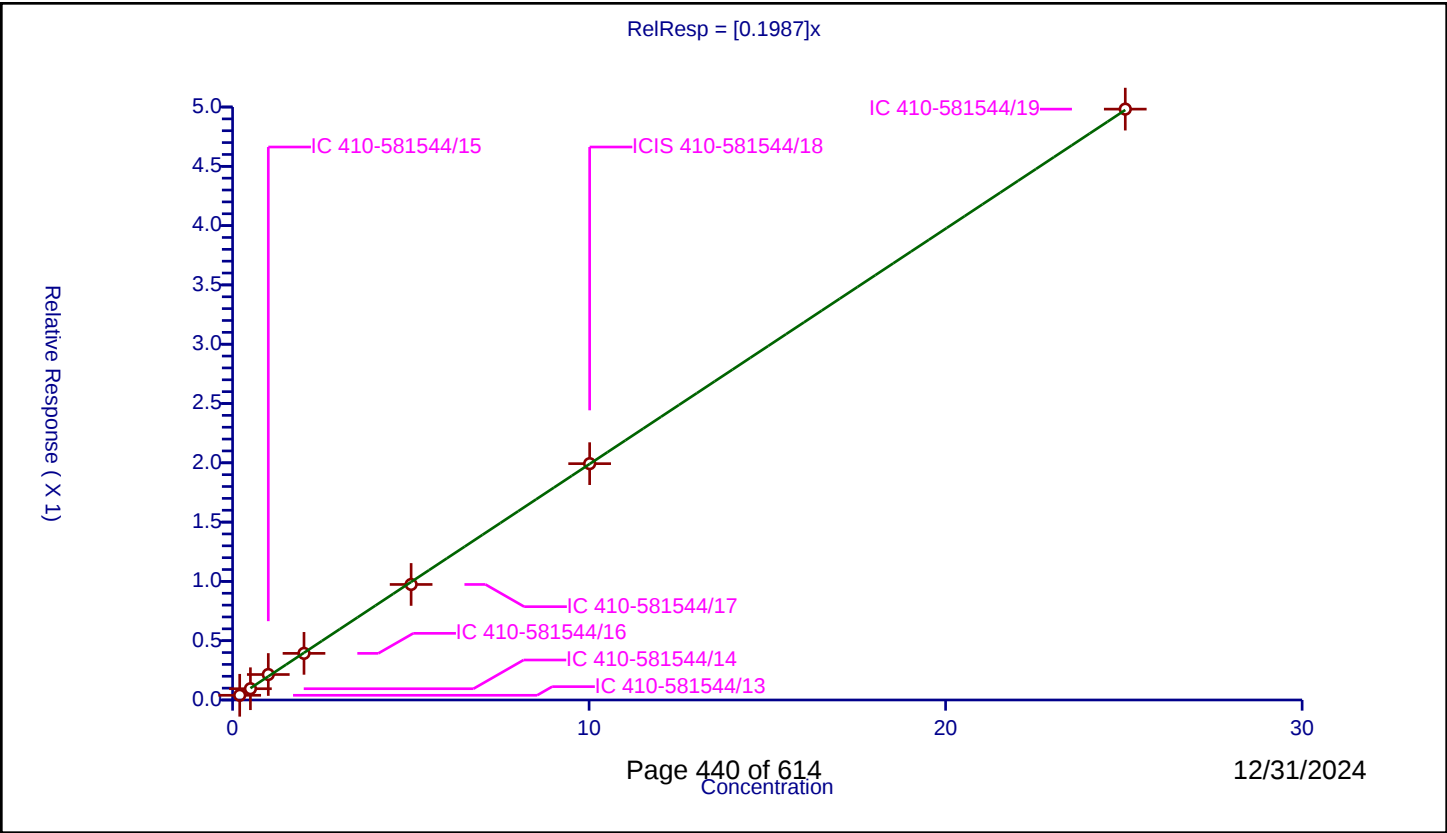
/ Ethyl bromide

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

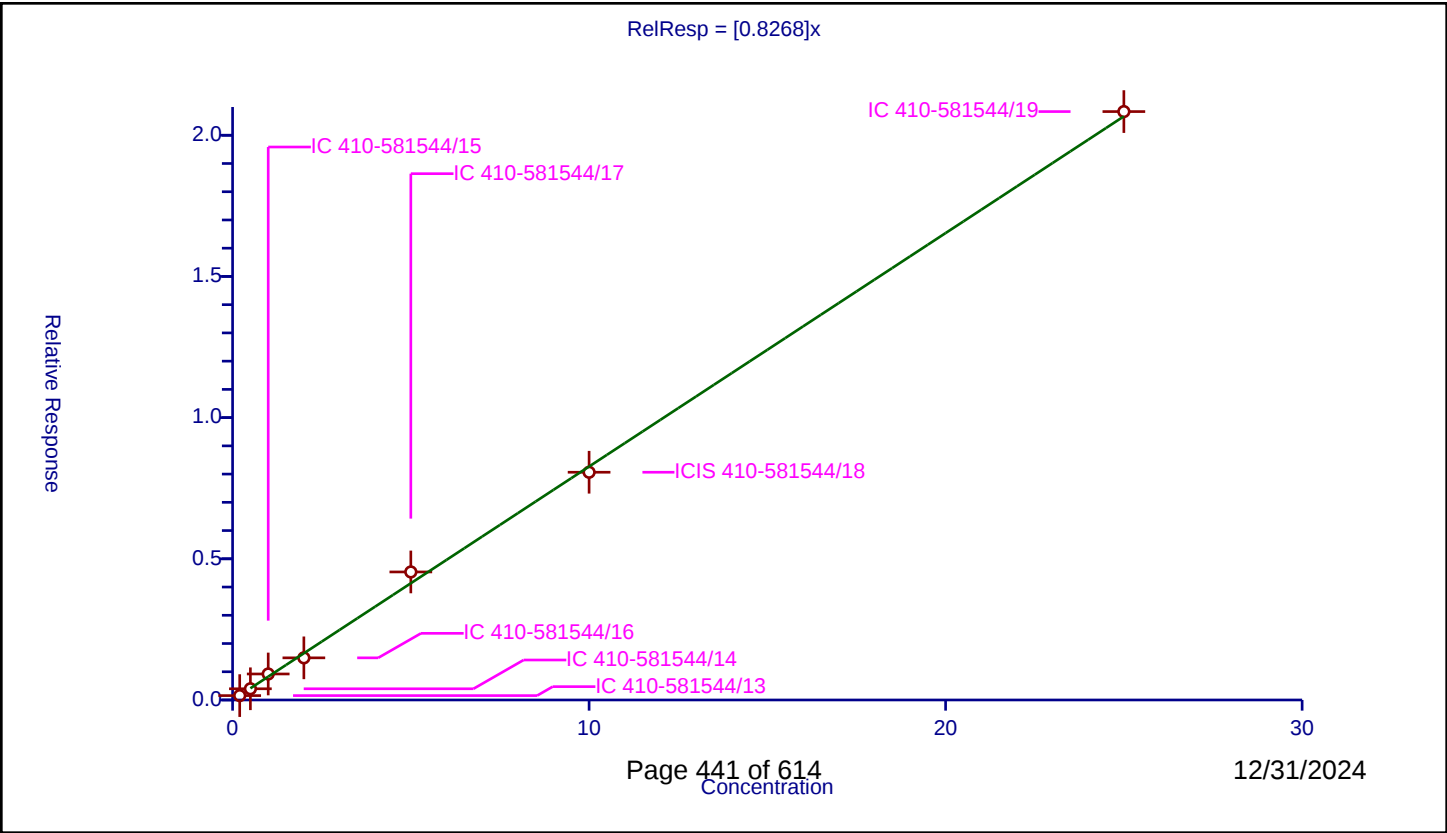
/ Carbon disulfide

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

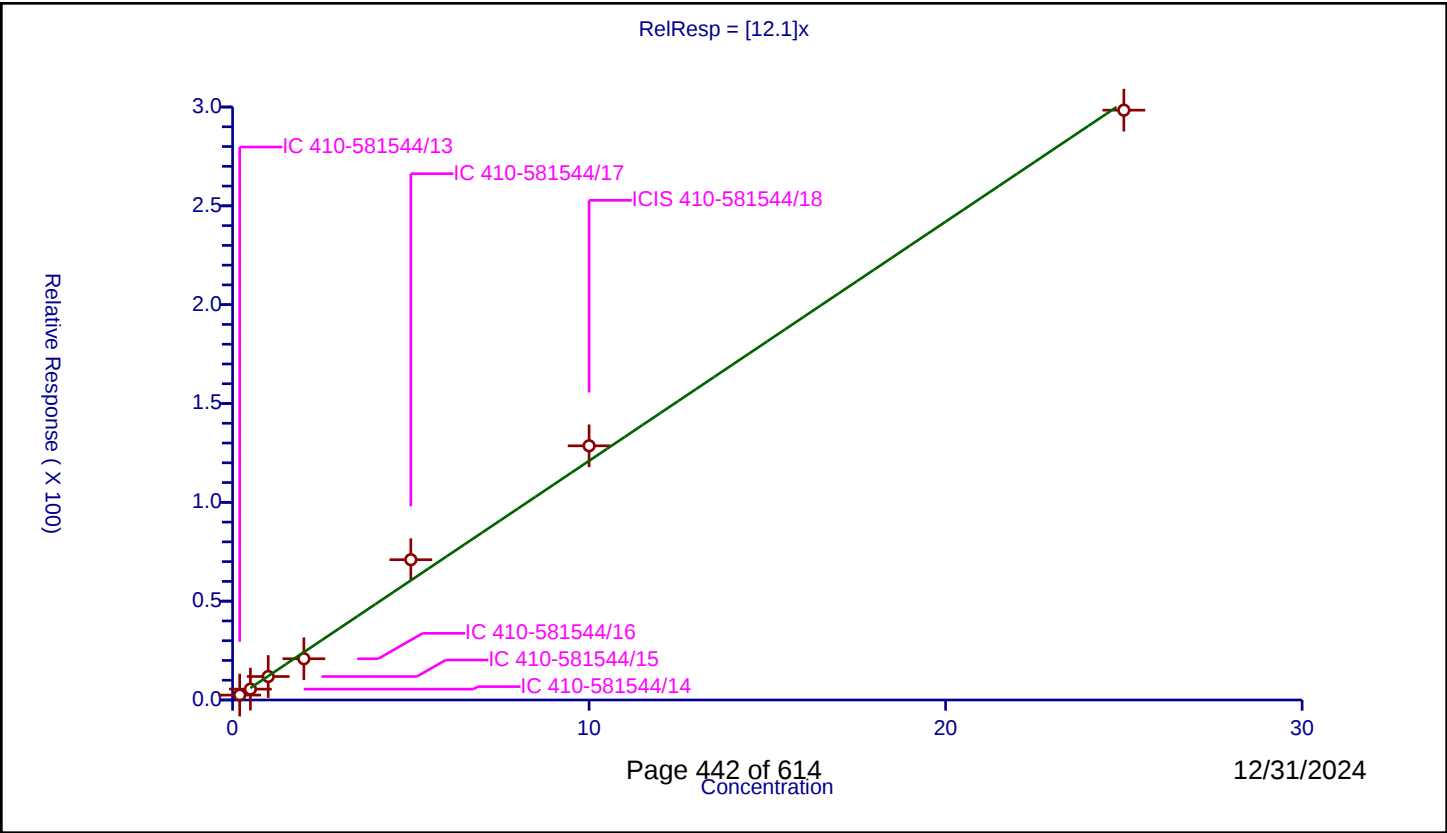
/ Methyl acetate

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

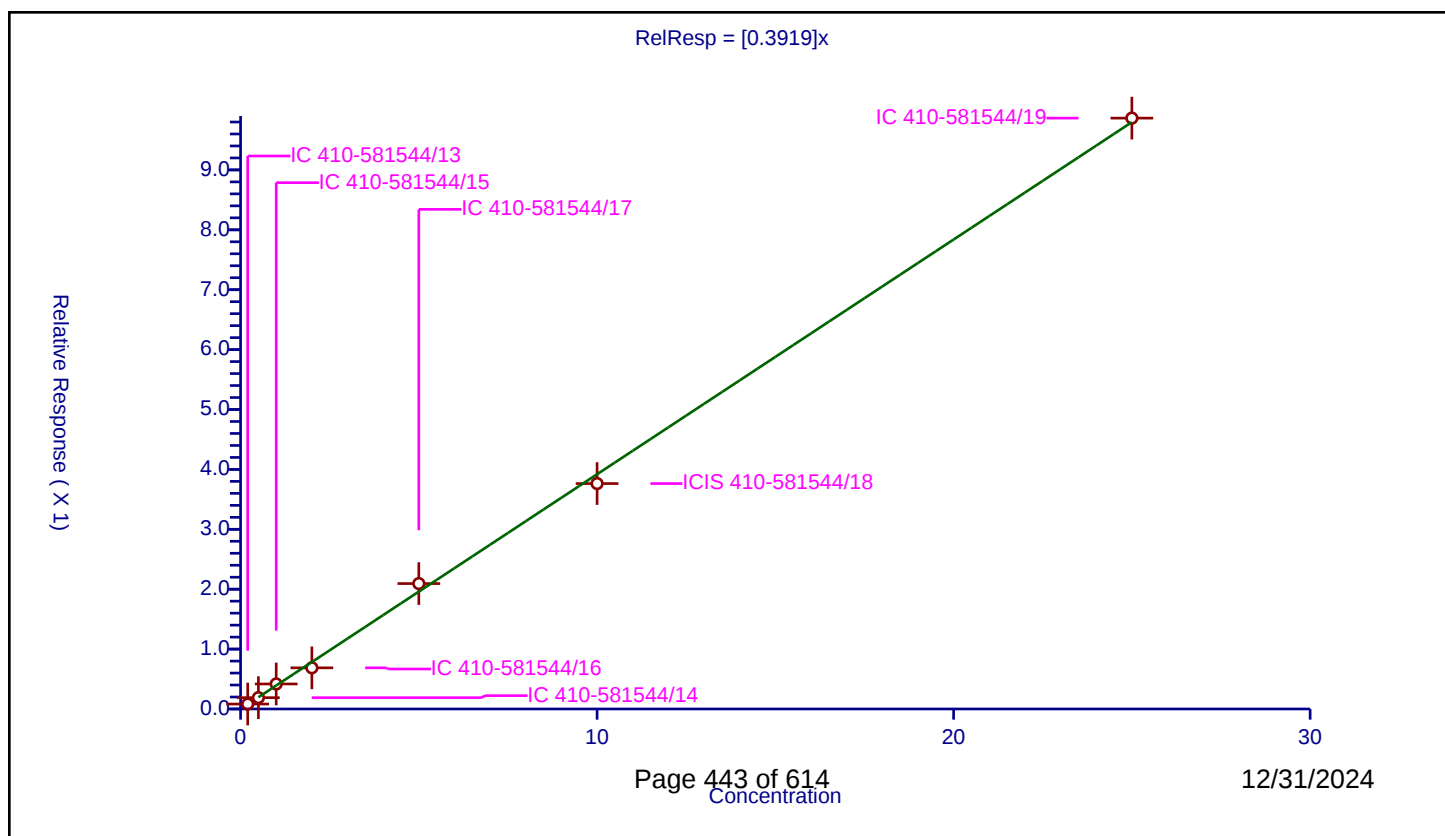
Curve Coefficients

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

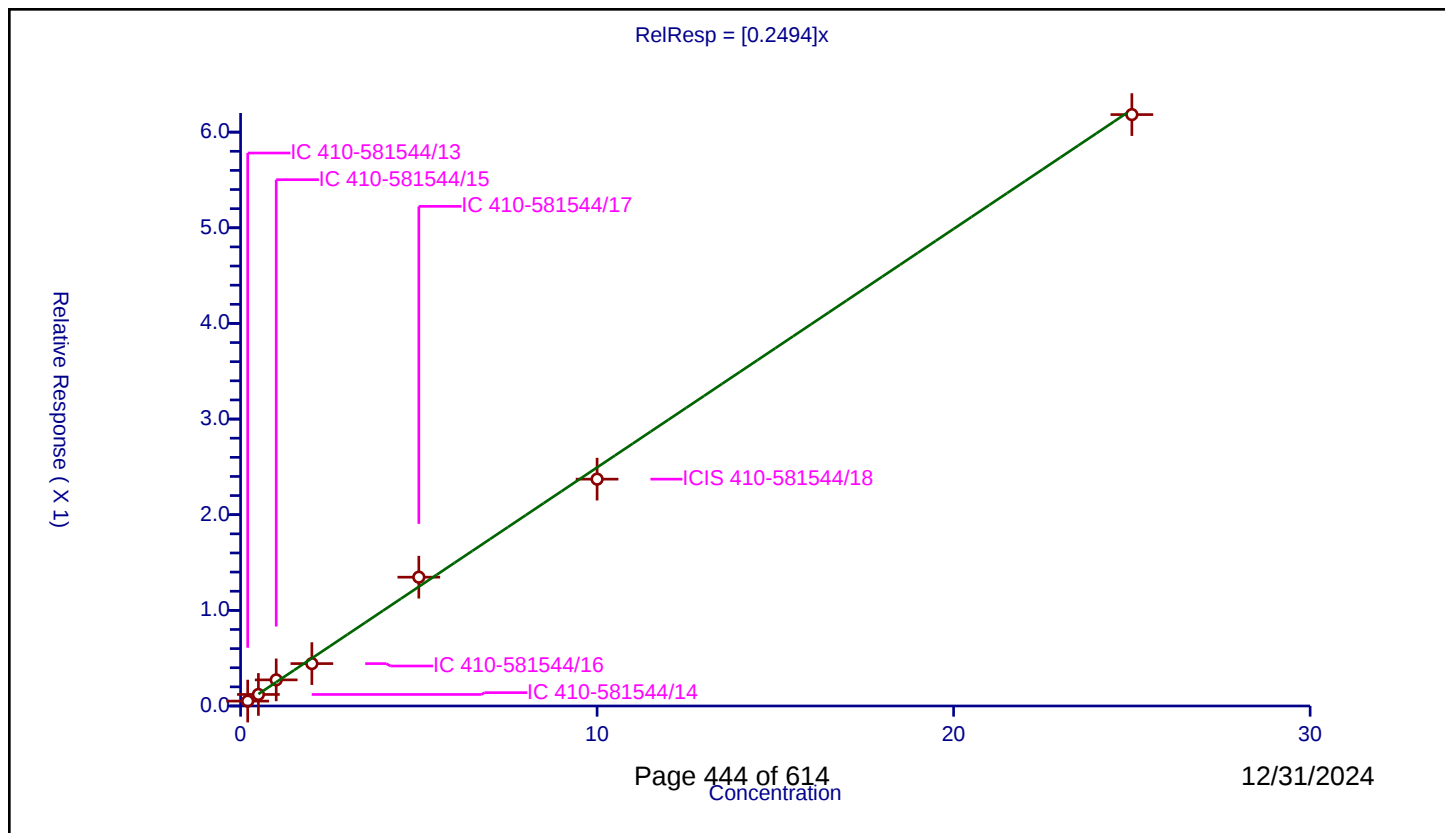
Curve Coefficients

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

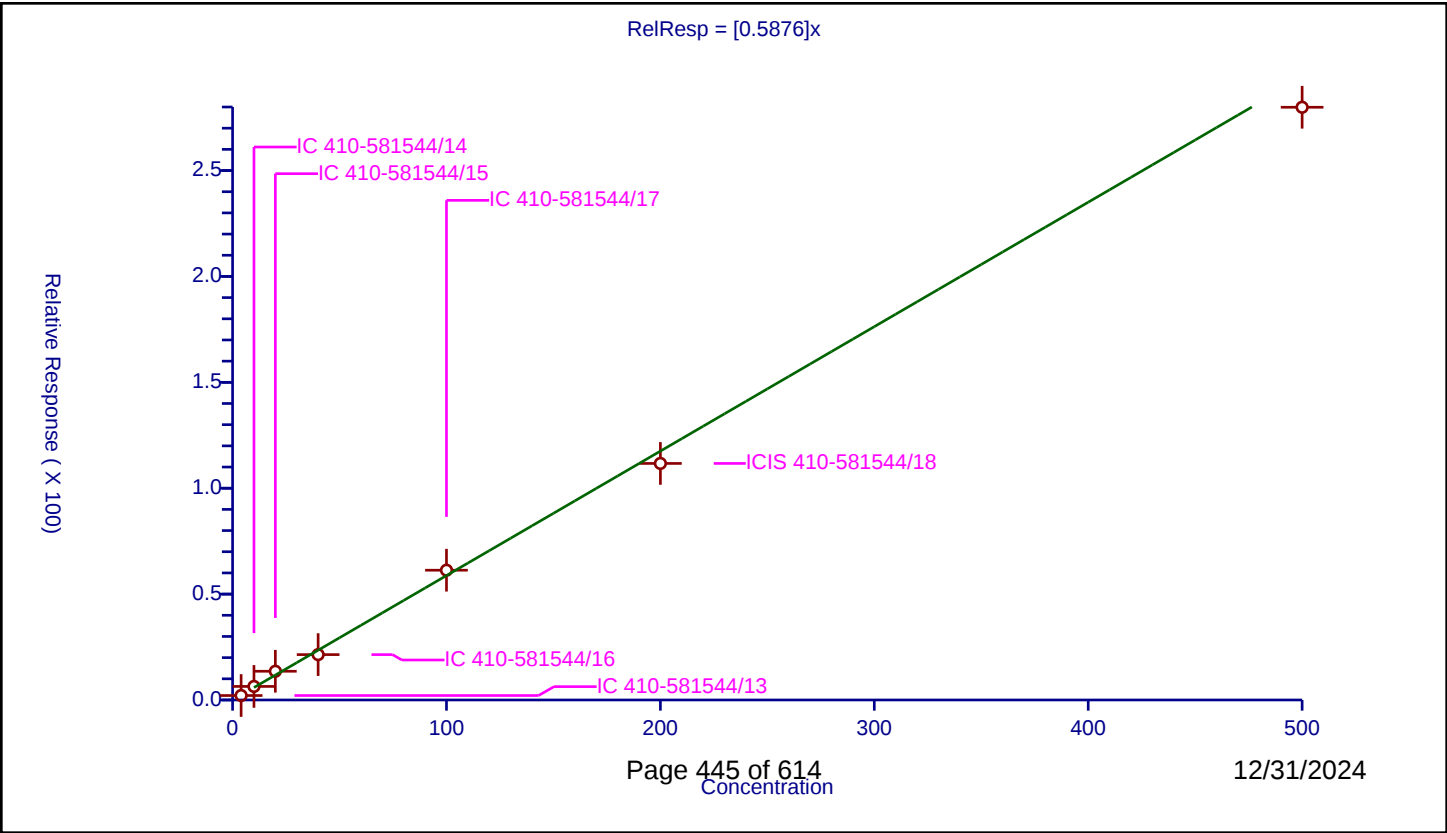
/ 2-Methyl-2-propanol

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

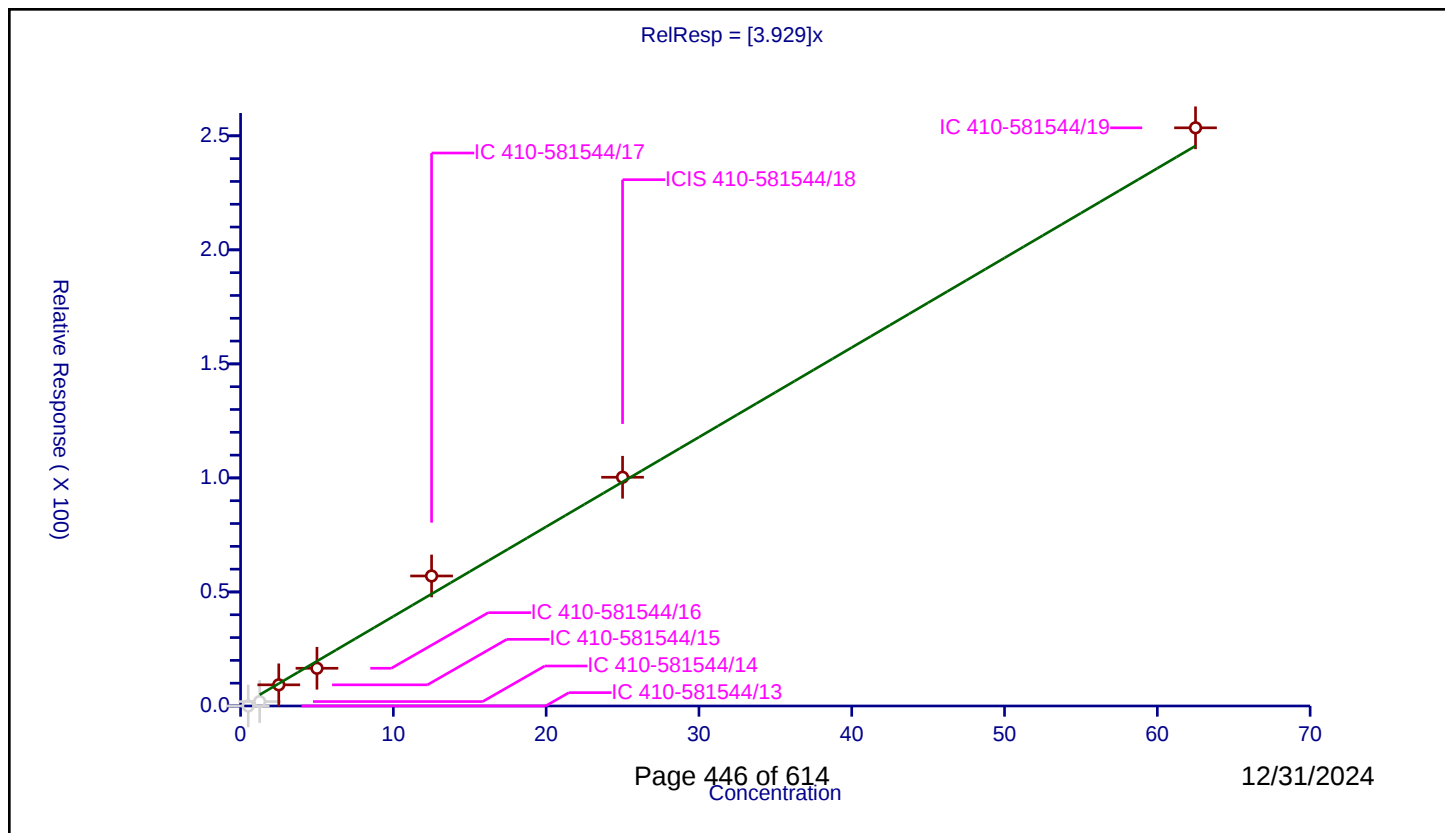
Curve Coefficients

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

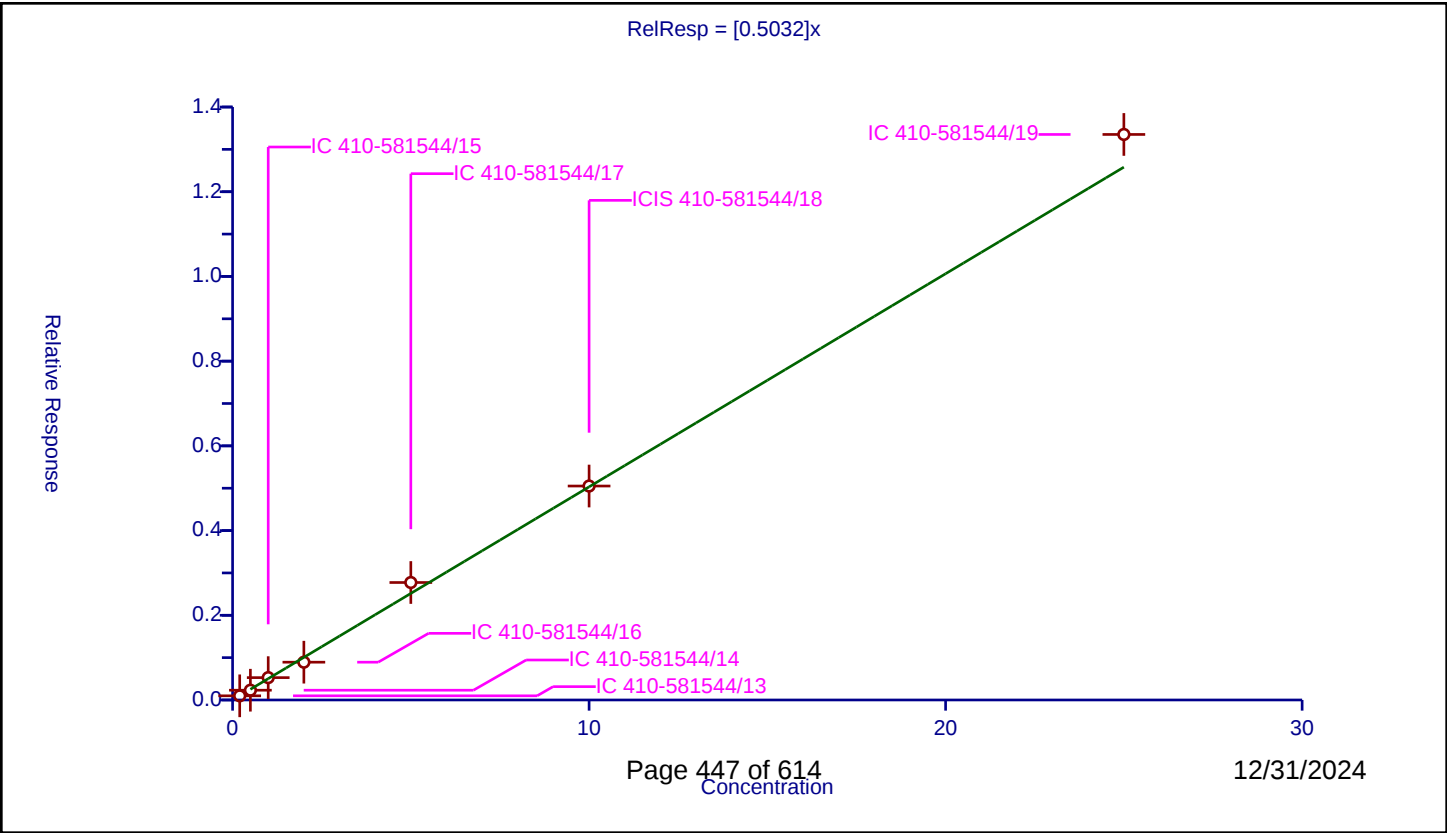
/ Methyl tert-butyl ether

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

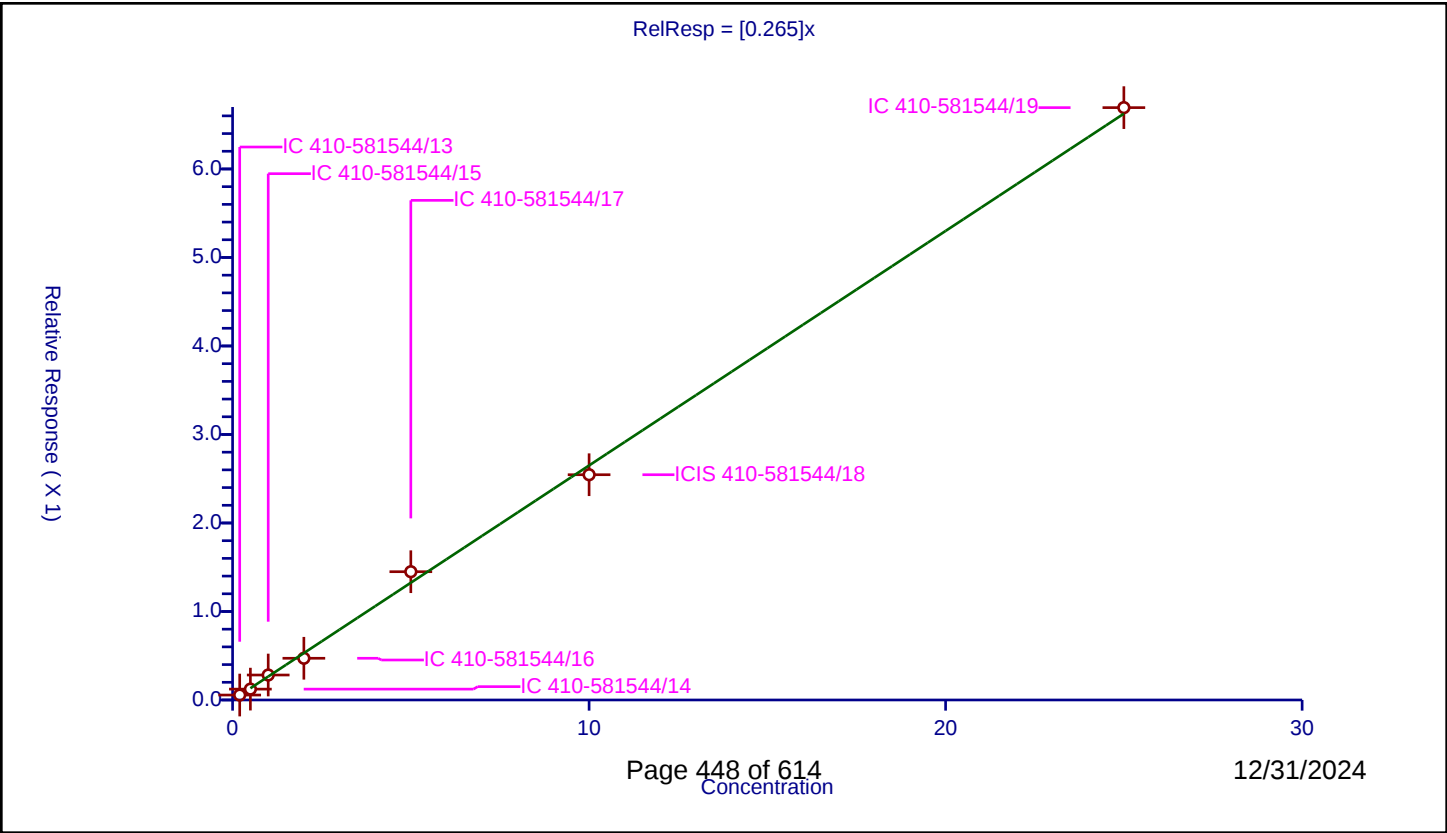


Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

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

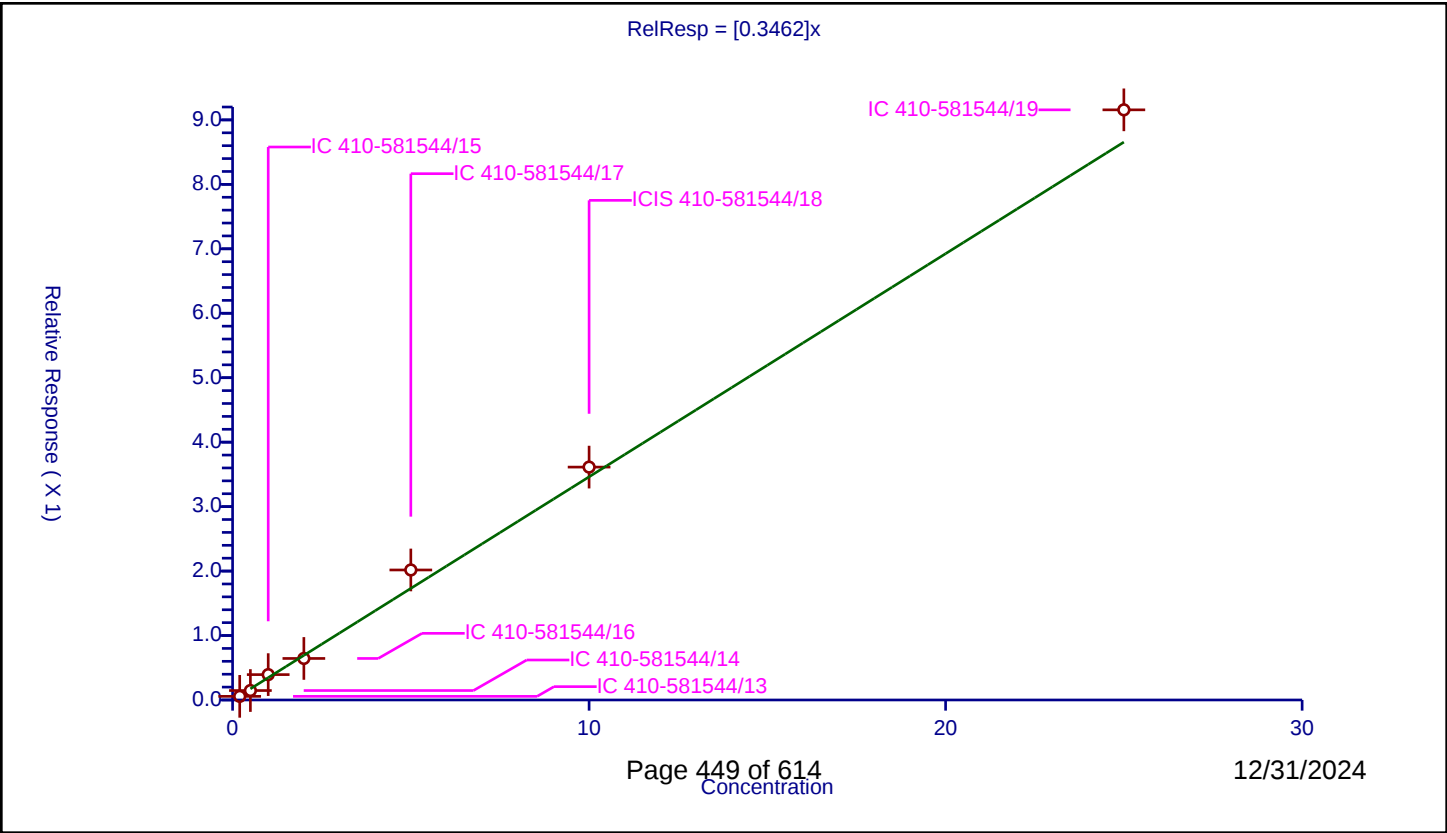
/ Hexane

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

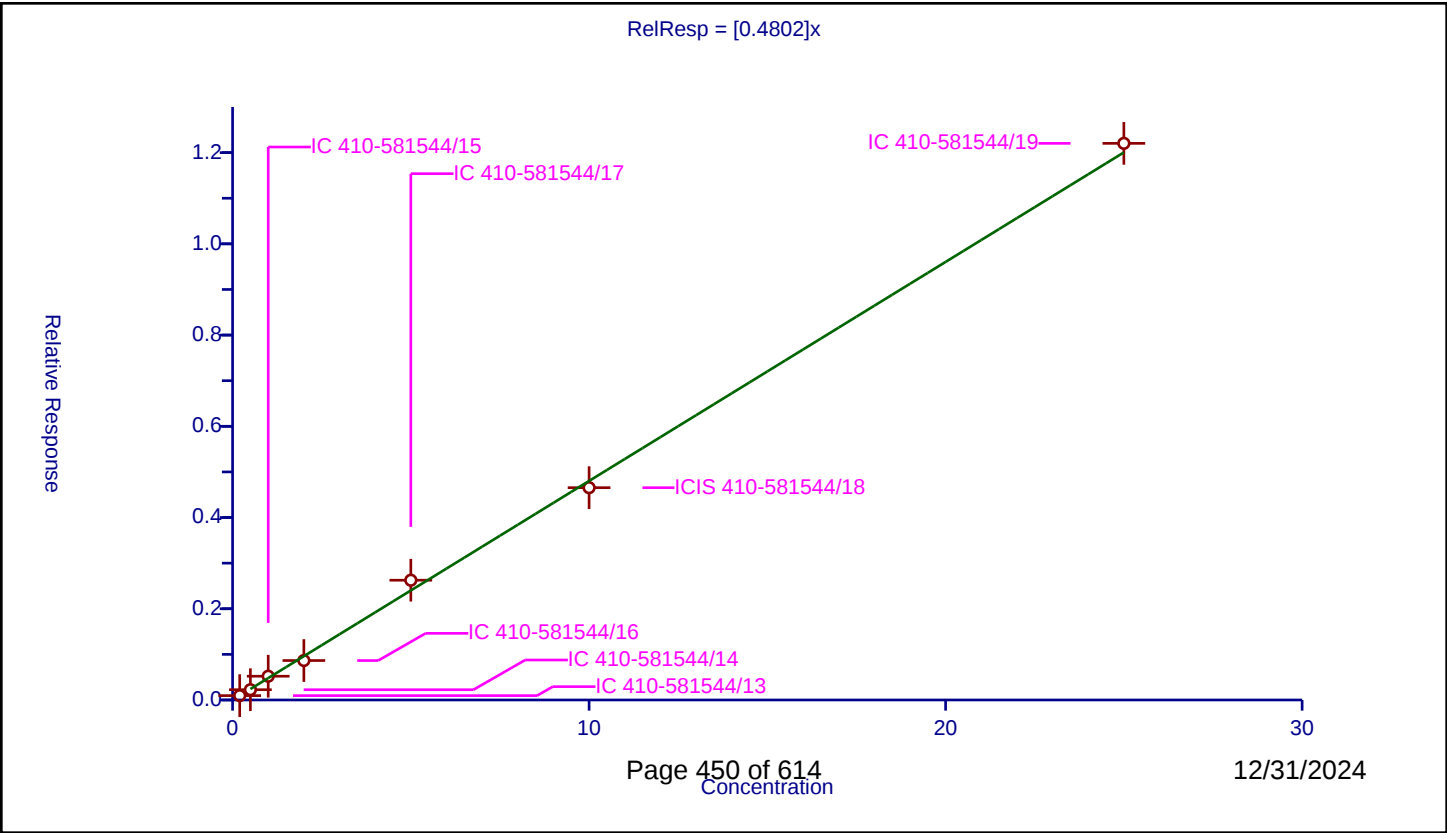
/ 1,1-Dichloroethane

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

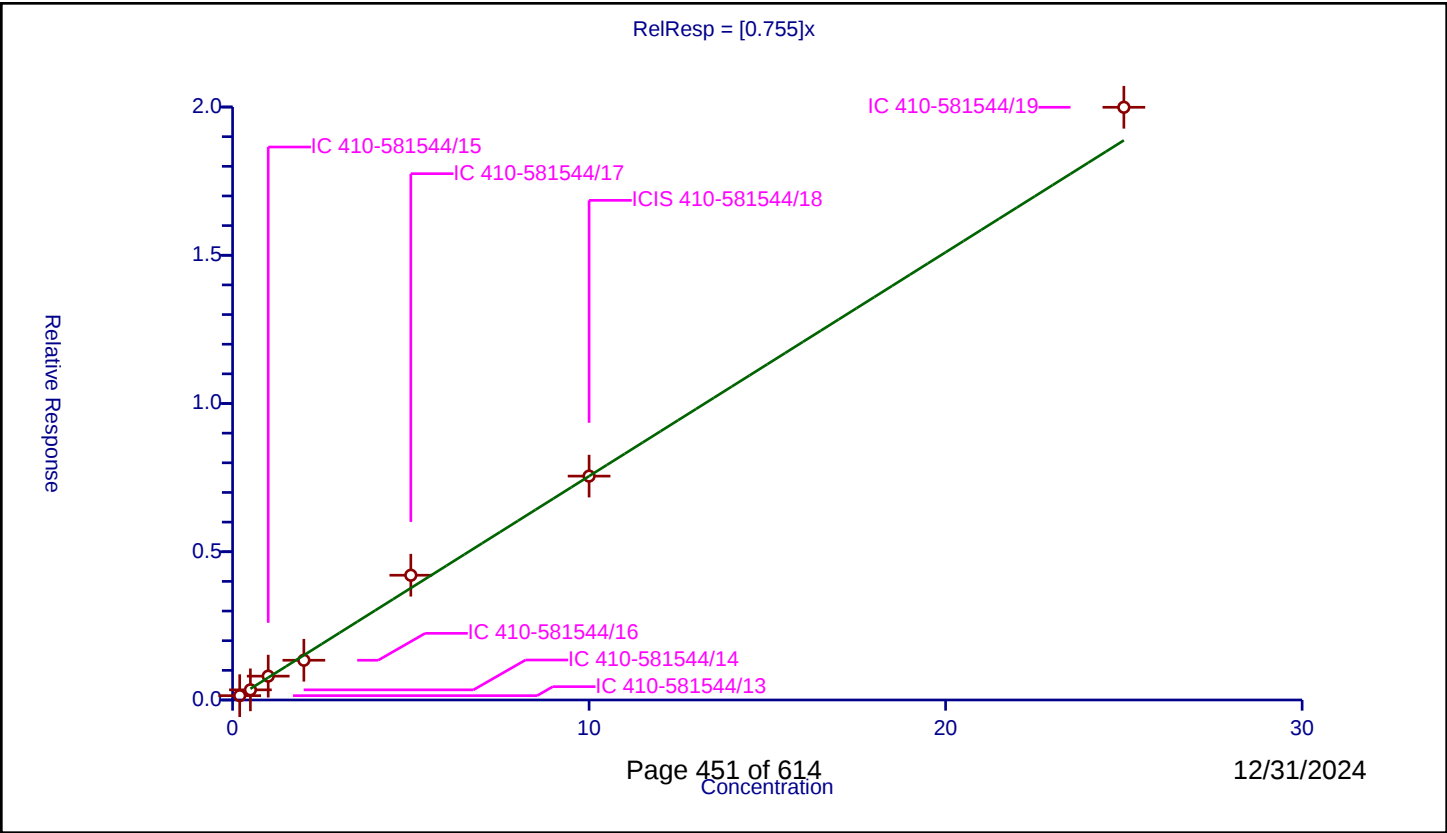
/ Isopropyl ether

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

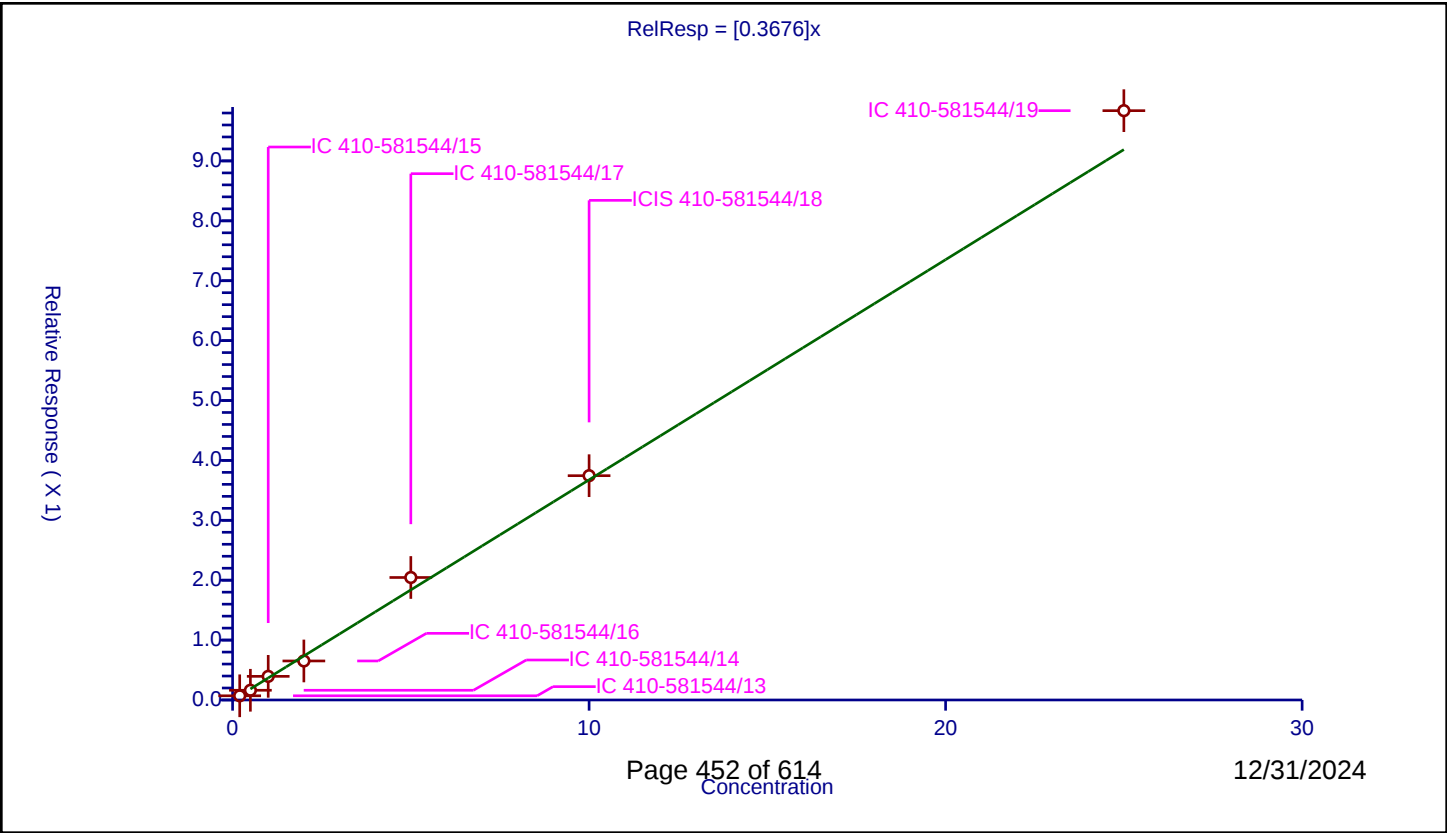
/ 2-Chloro-1,3-butadiene

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

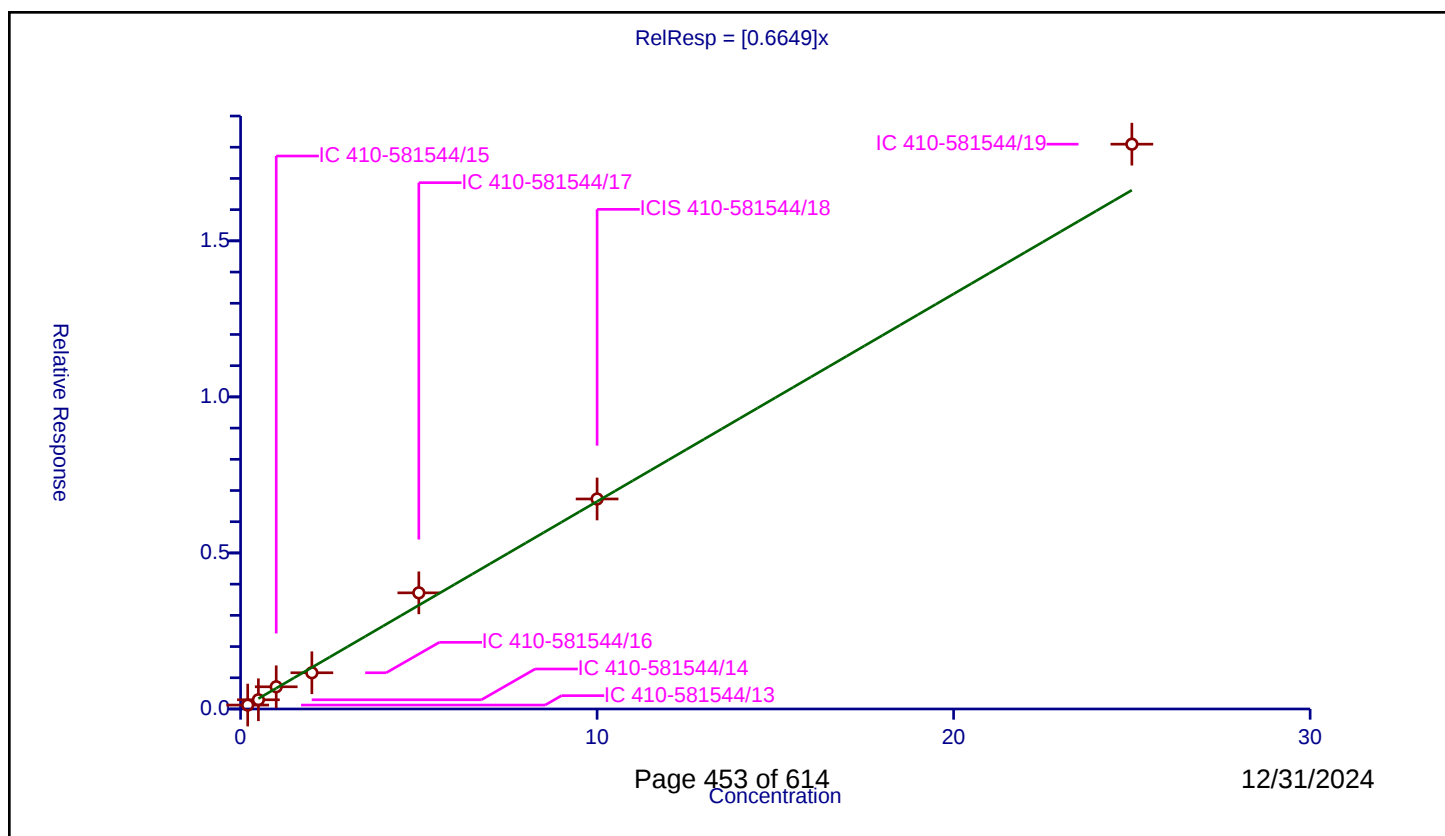
Curve Coefficients

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

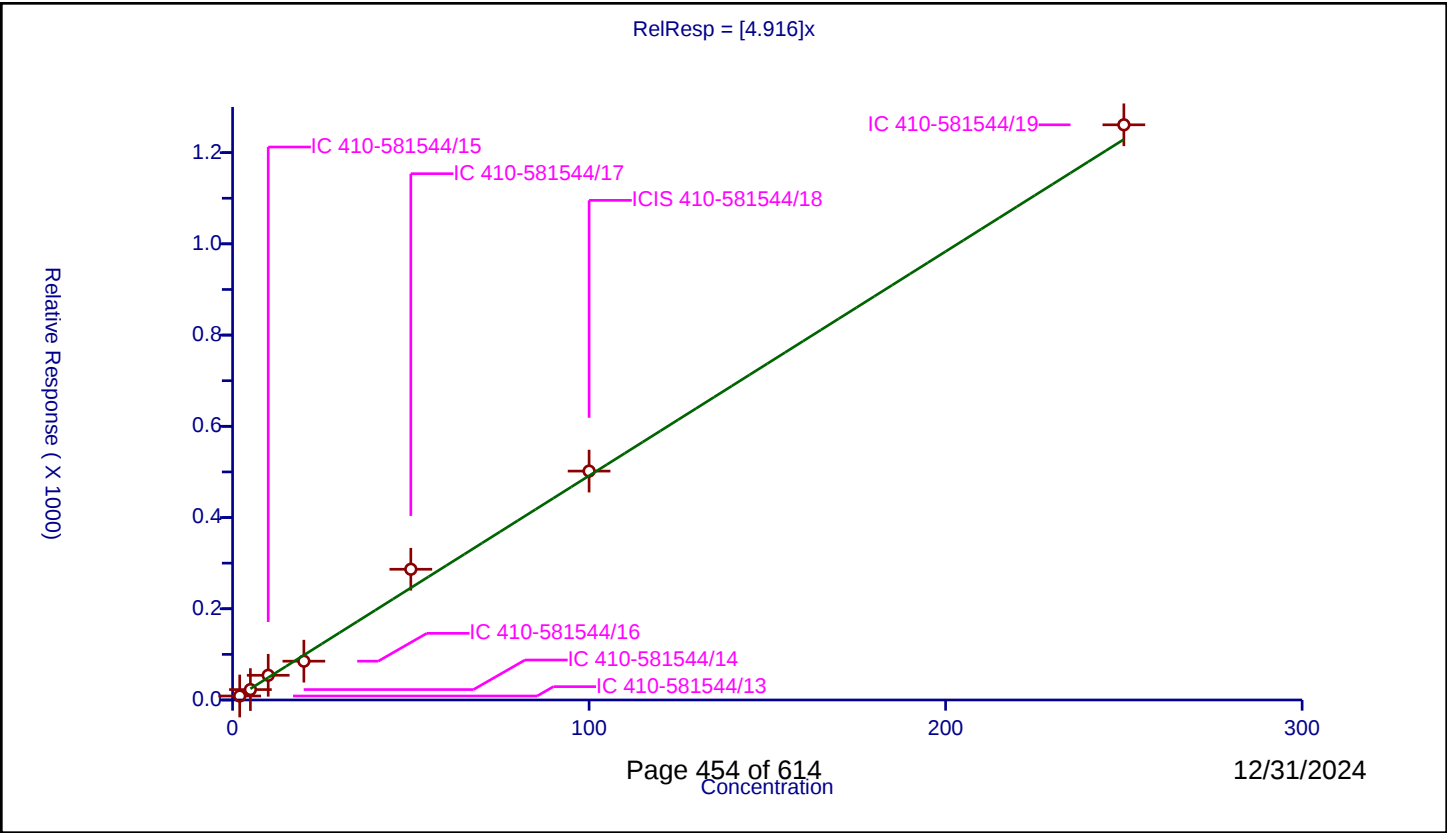
/ 2-Butanone (MEK)

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

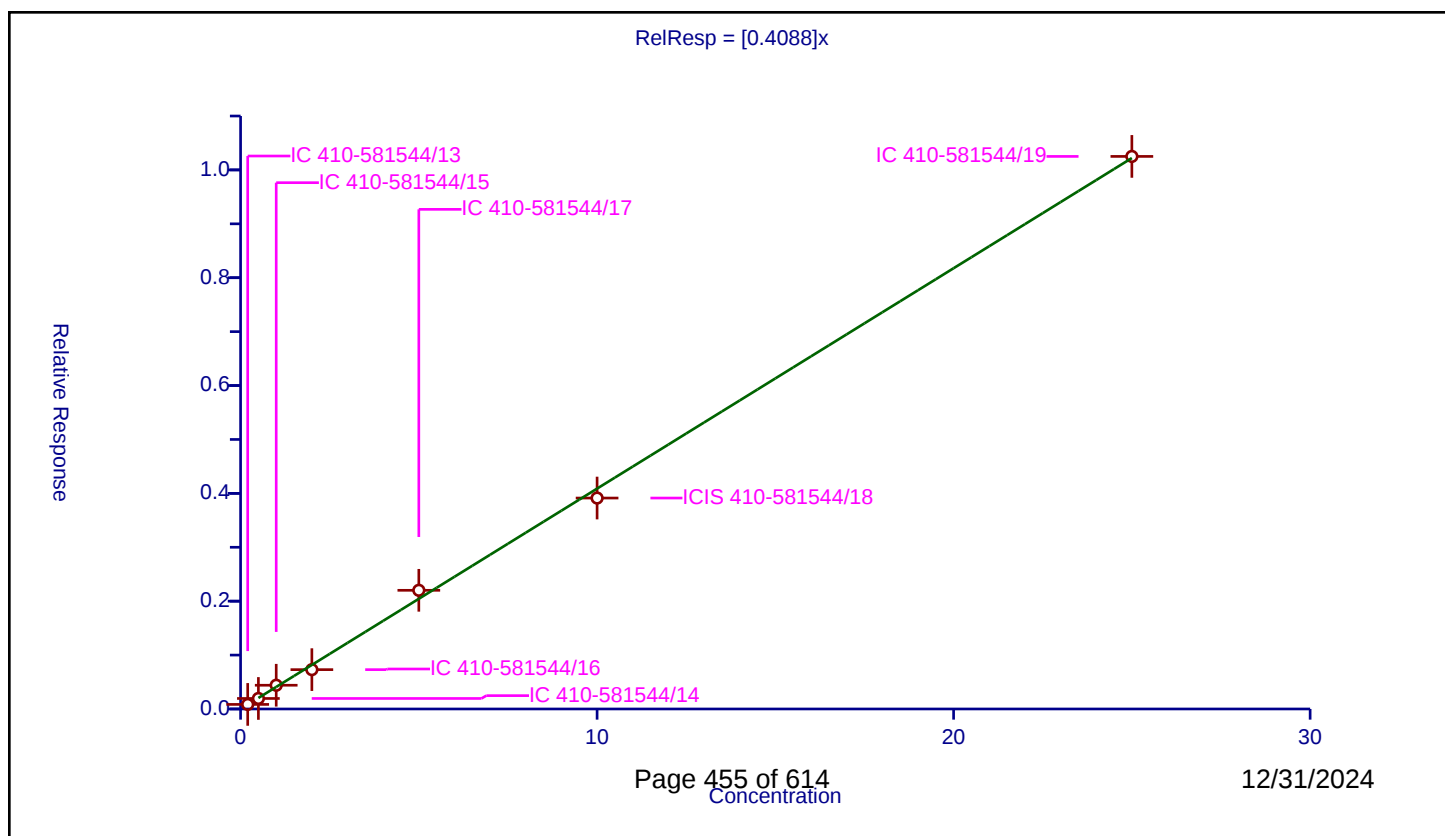
Curve Coefficients

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

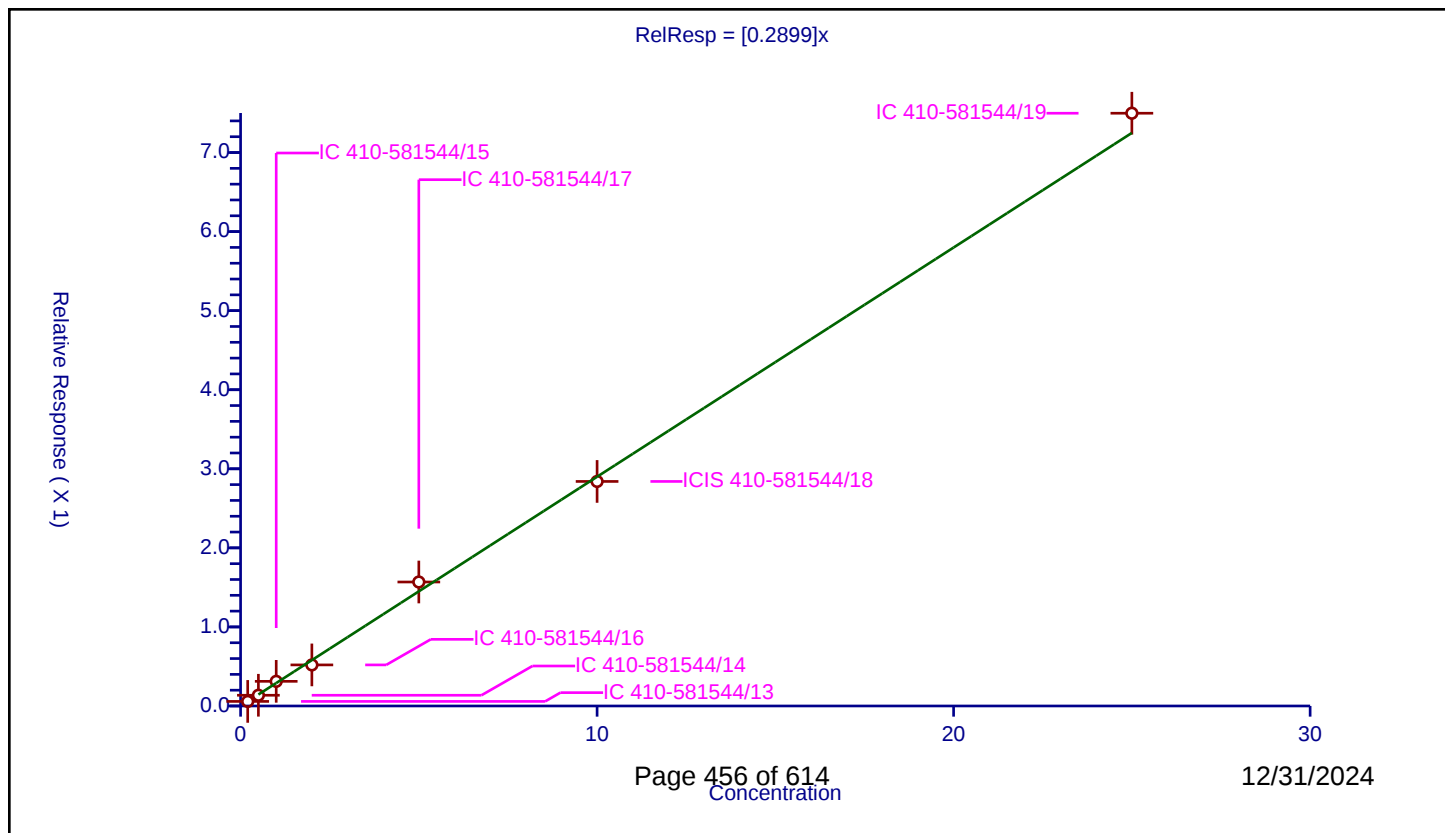
Curve Coefficients

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

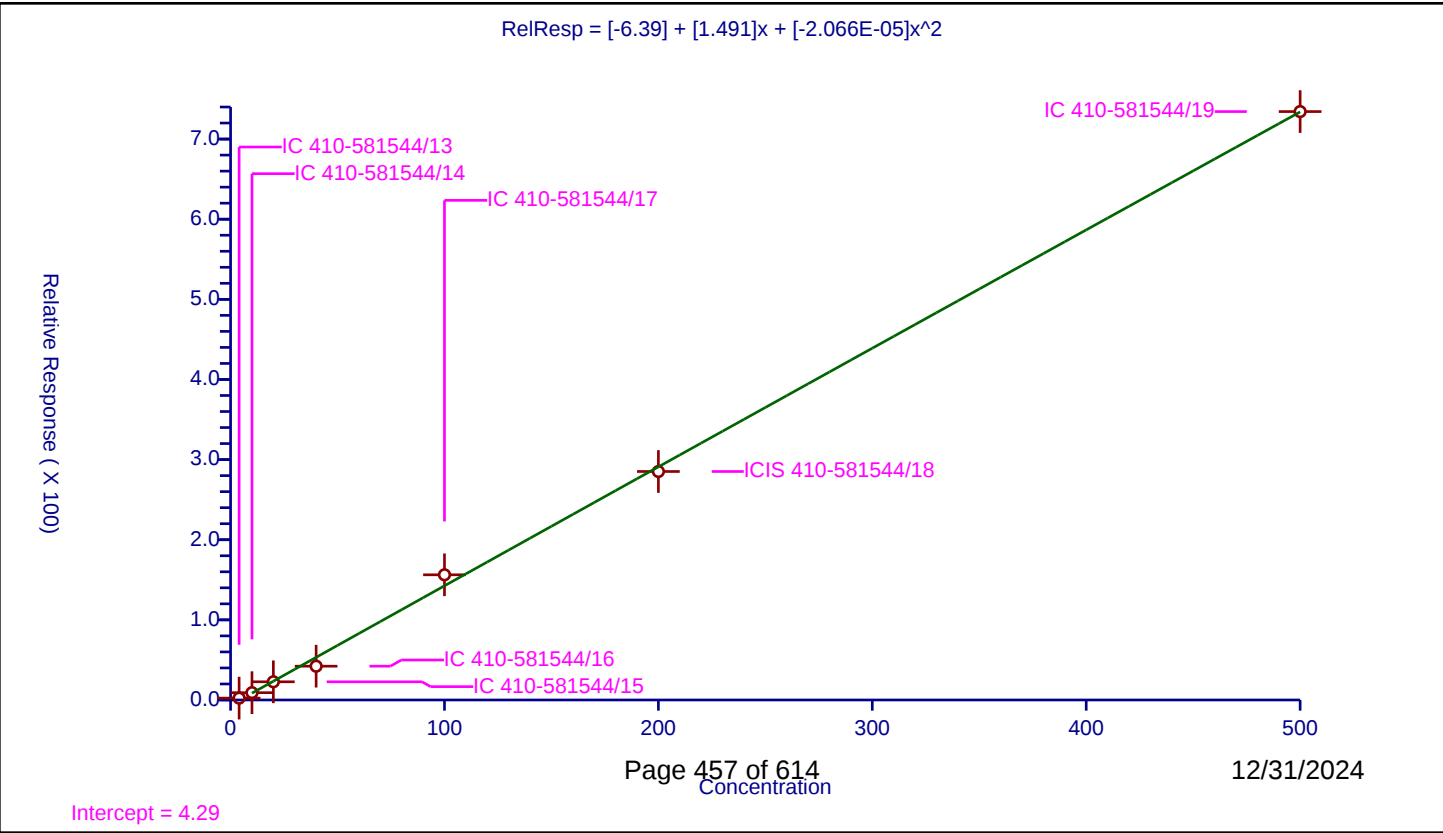
/ Propionitrile

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

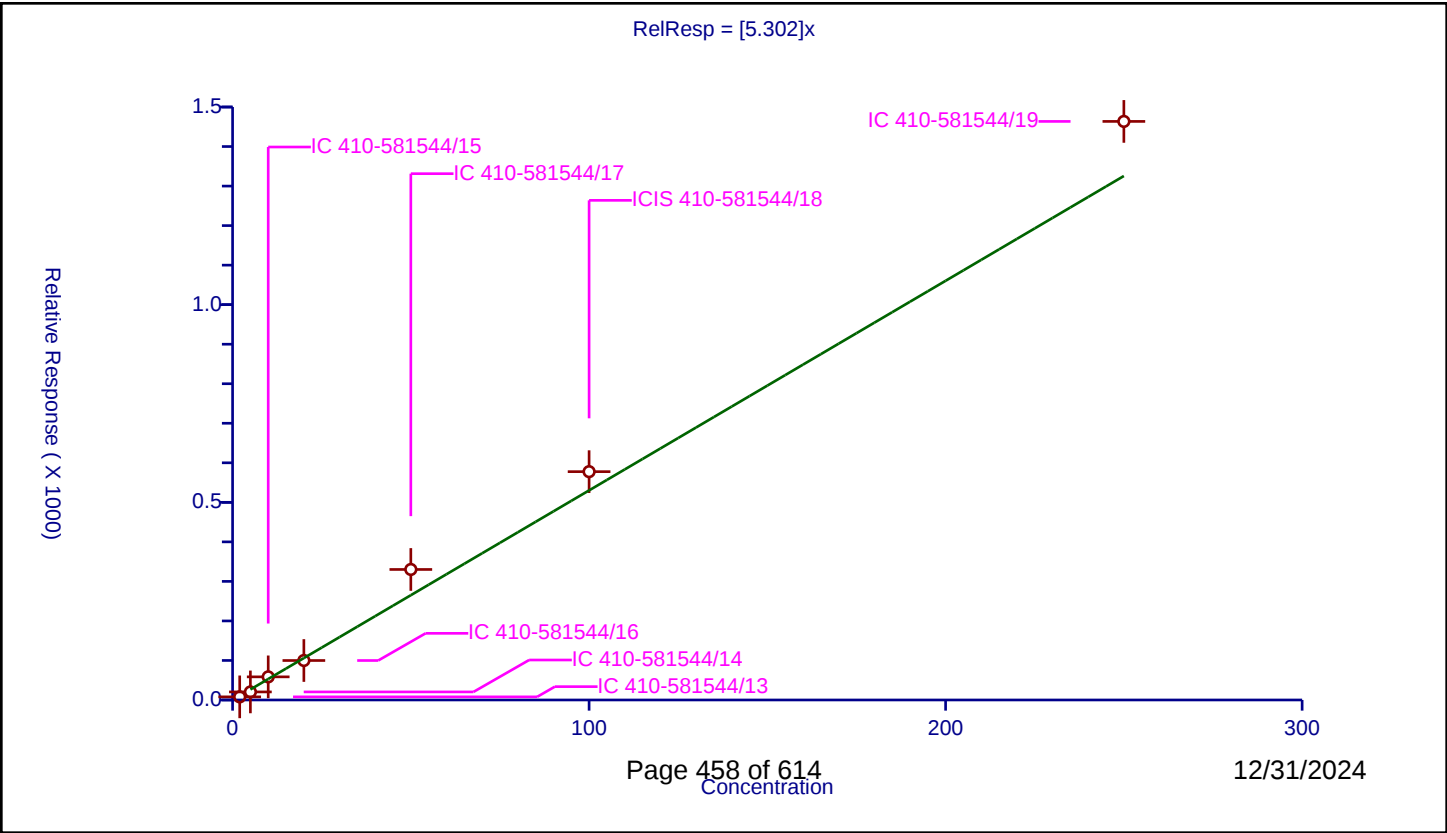
/ Methacrylonitrile

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

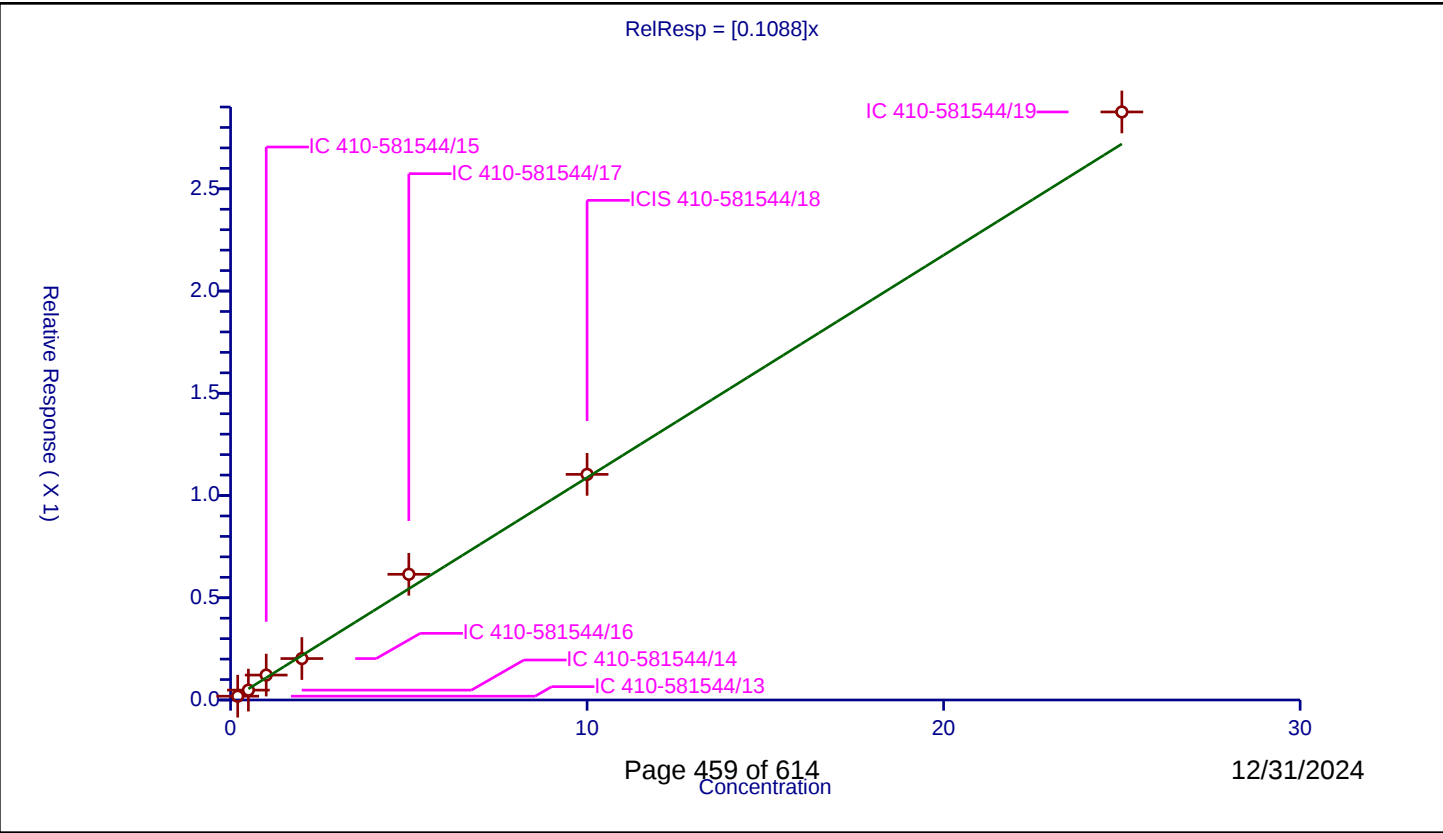
/ Chlorobromomethane

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

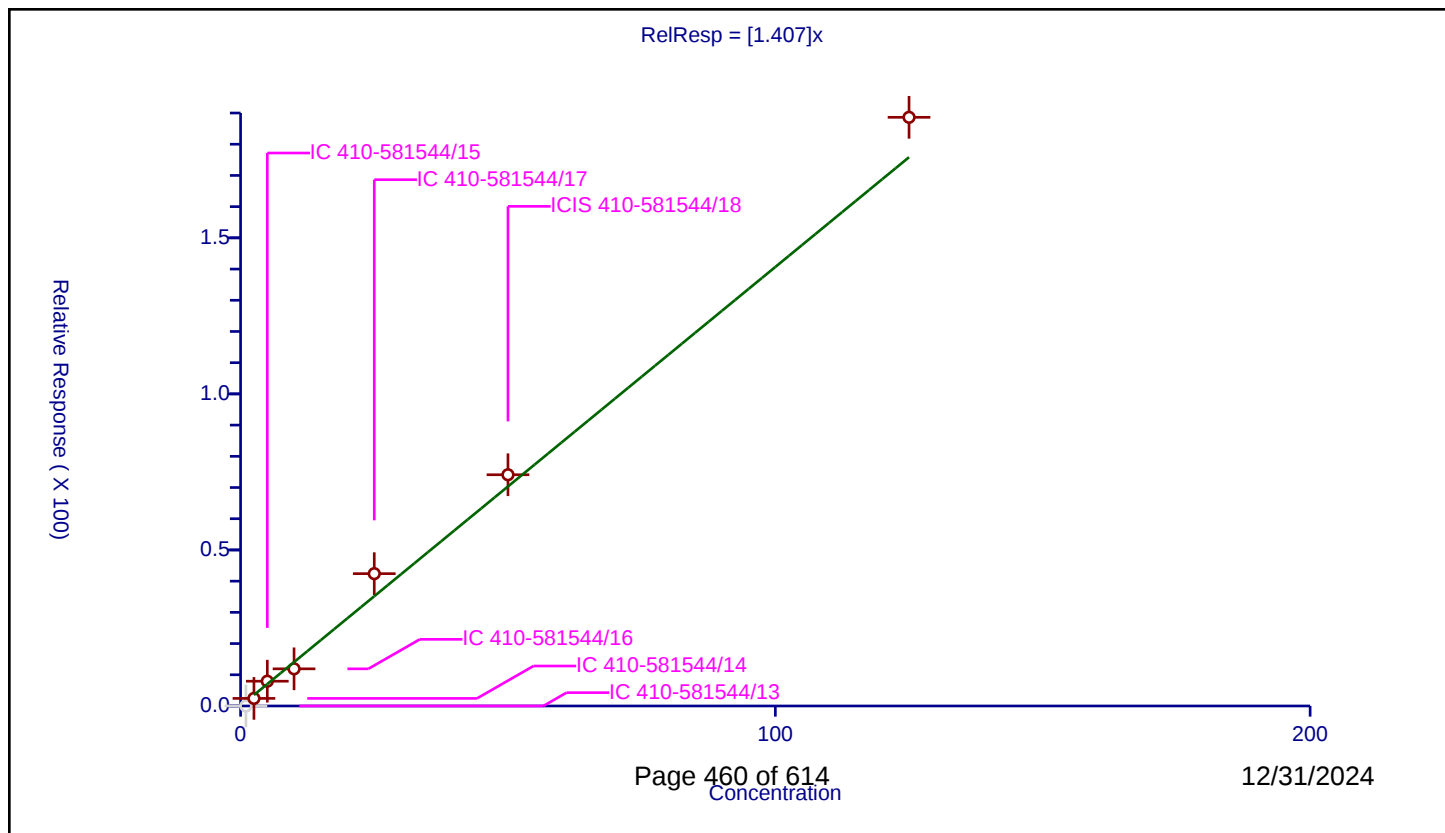
Curve Coefficients

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

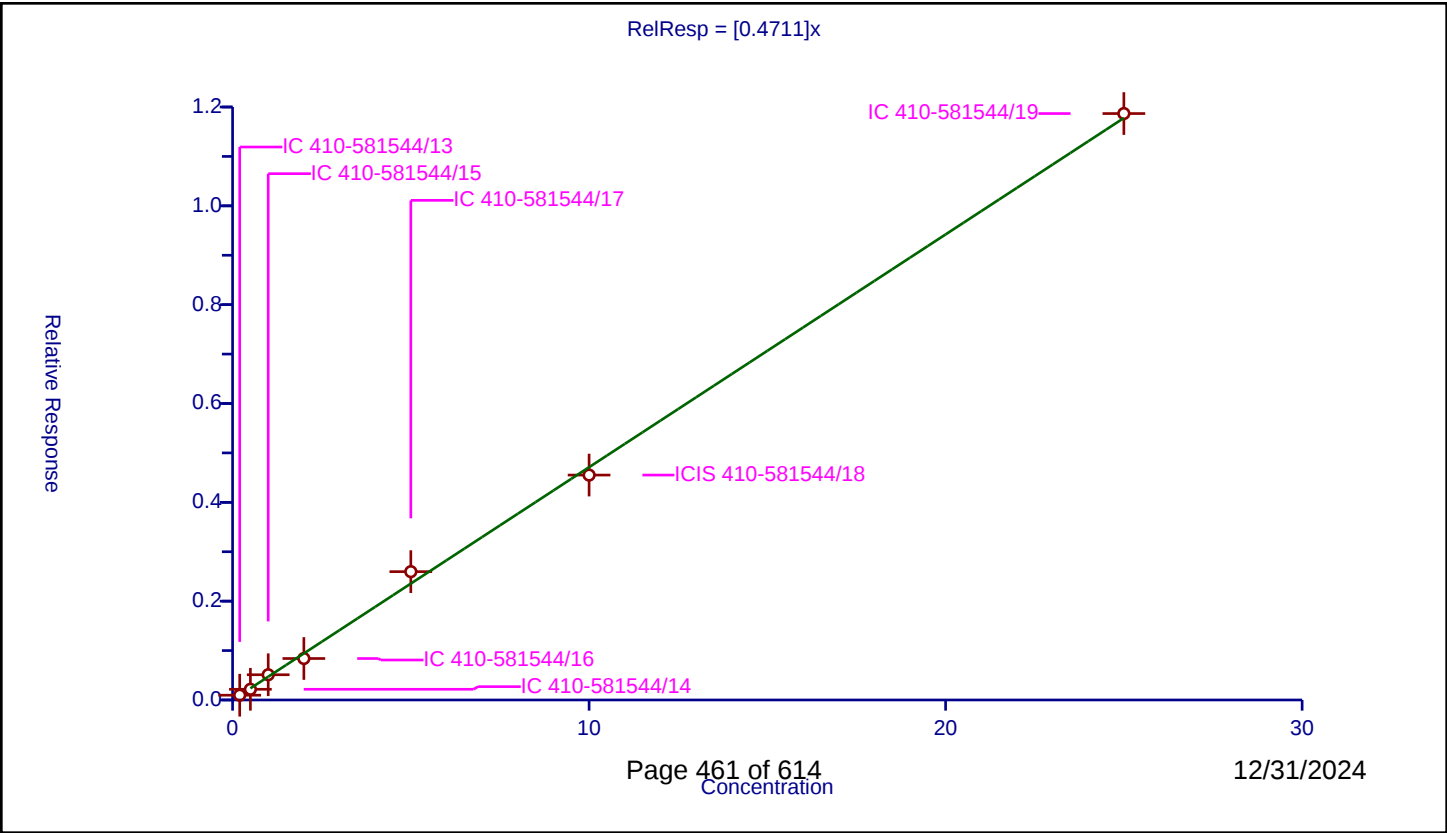
/ Chloroform

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

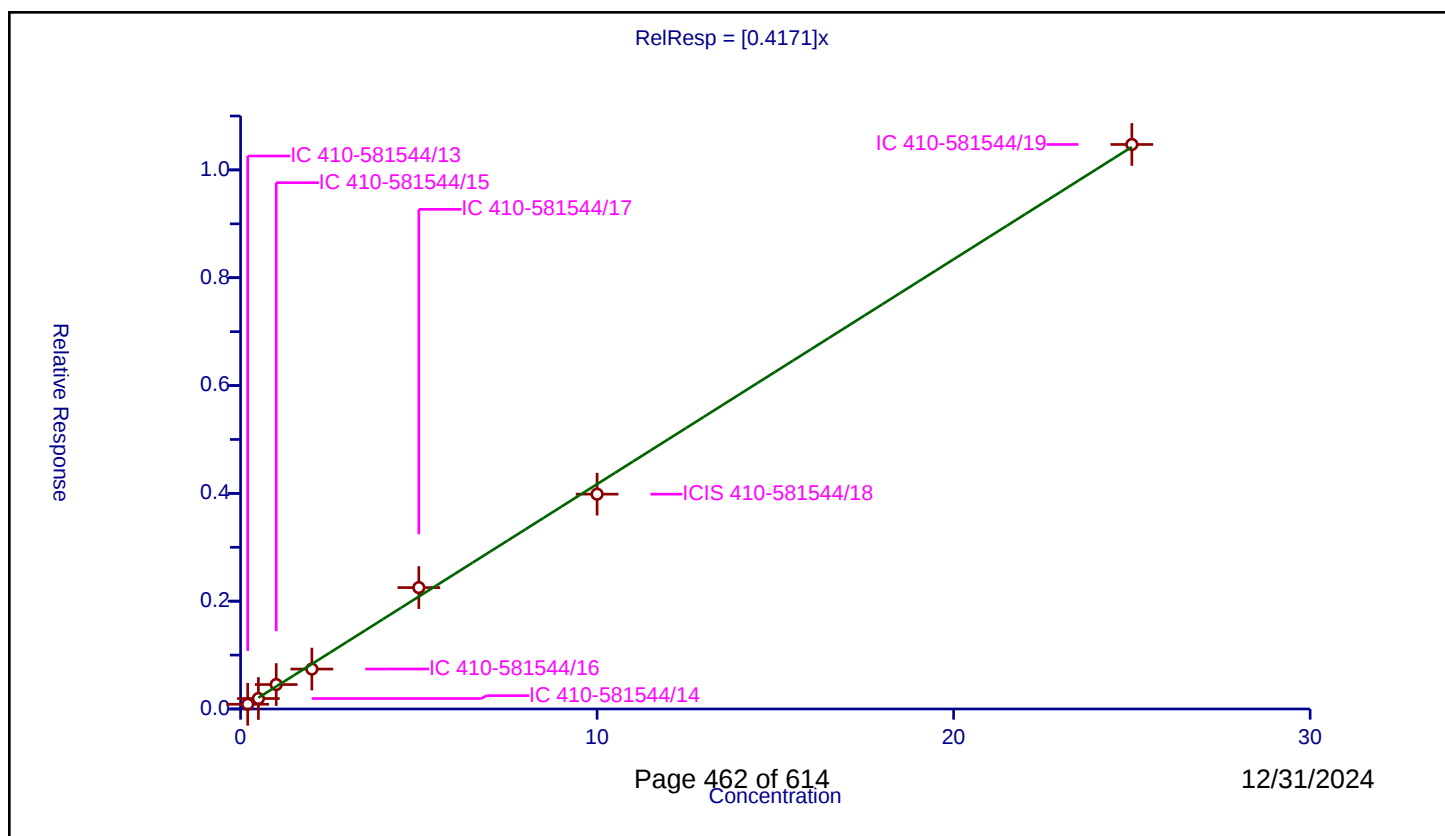
Curve Coefficients

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

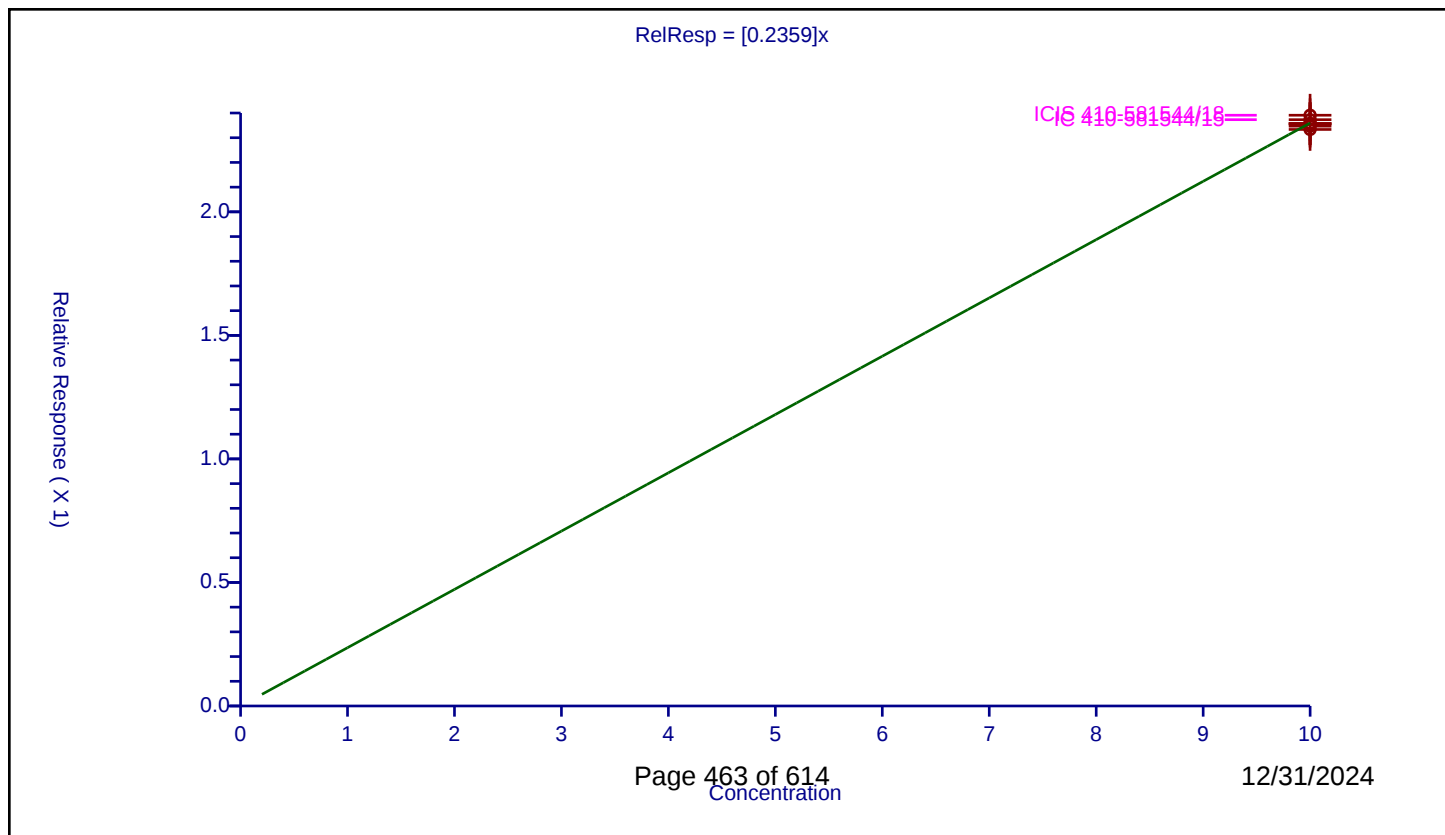
Curve Coefficients

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

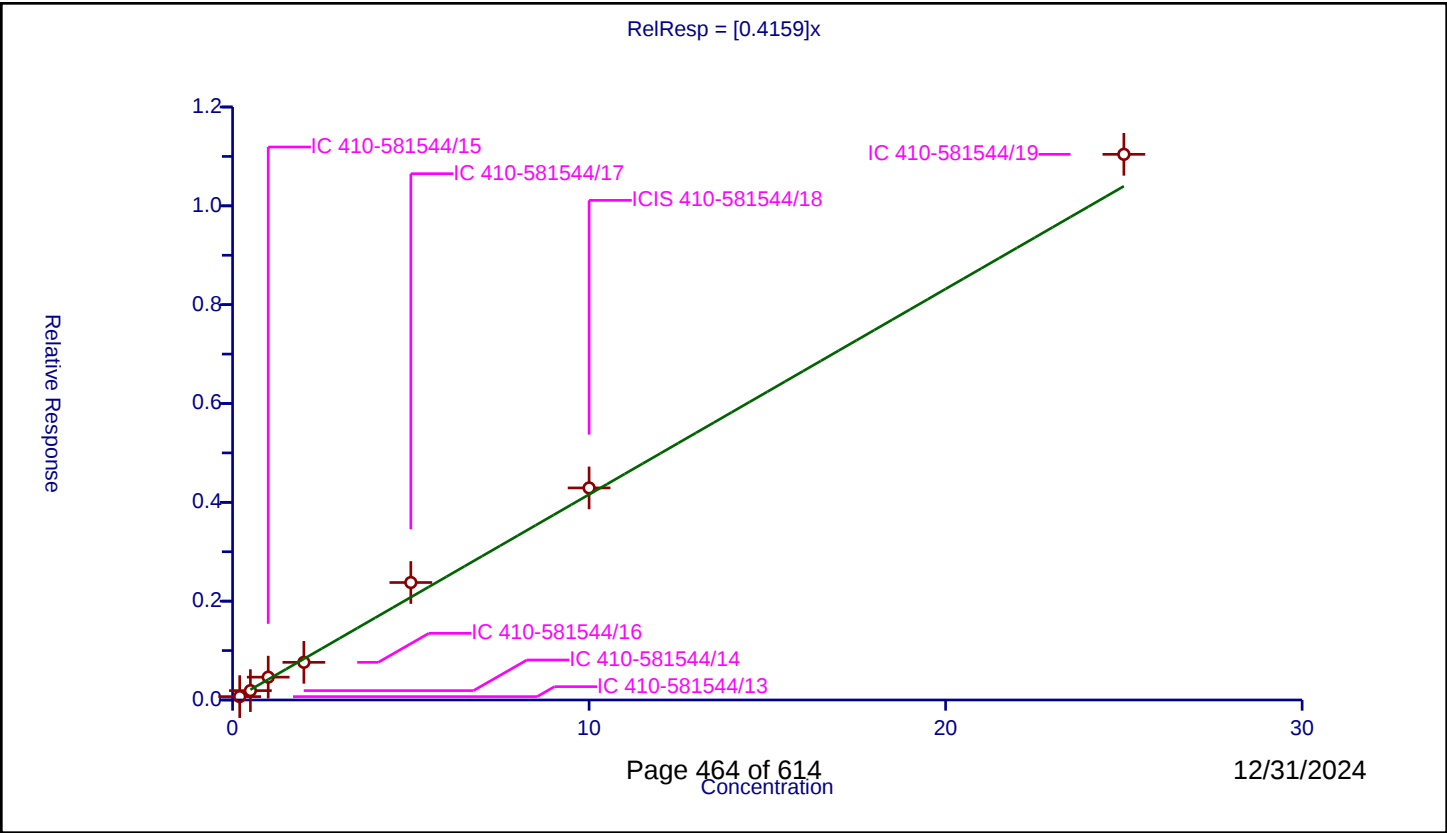
/ Cyclohexane

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

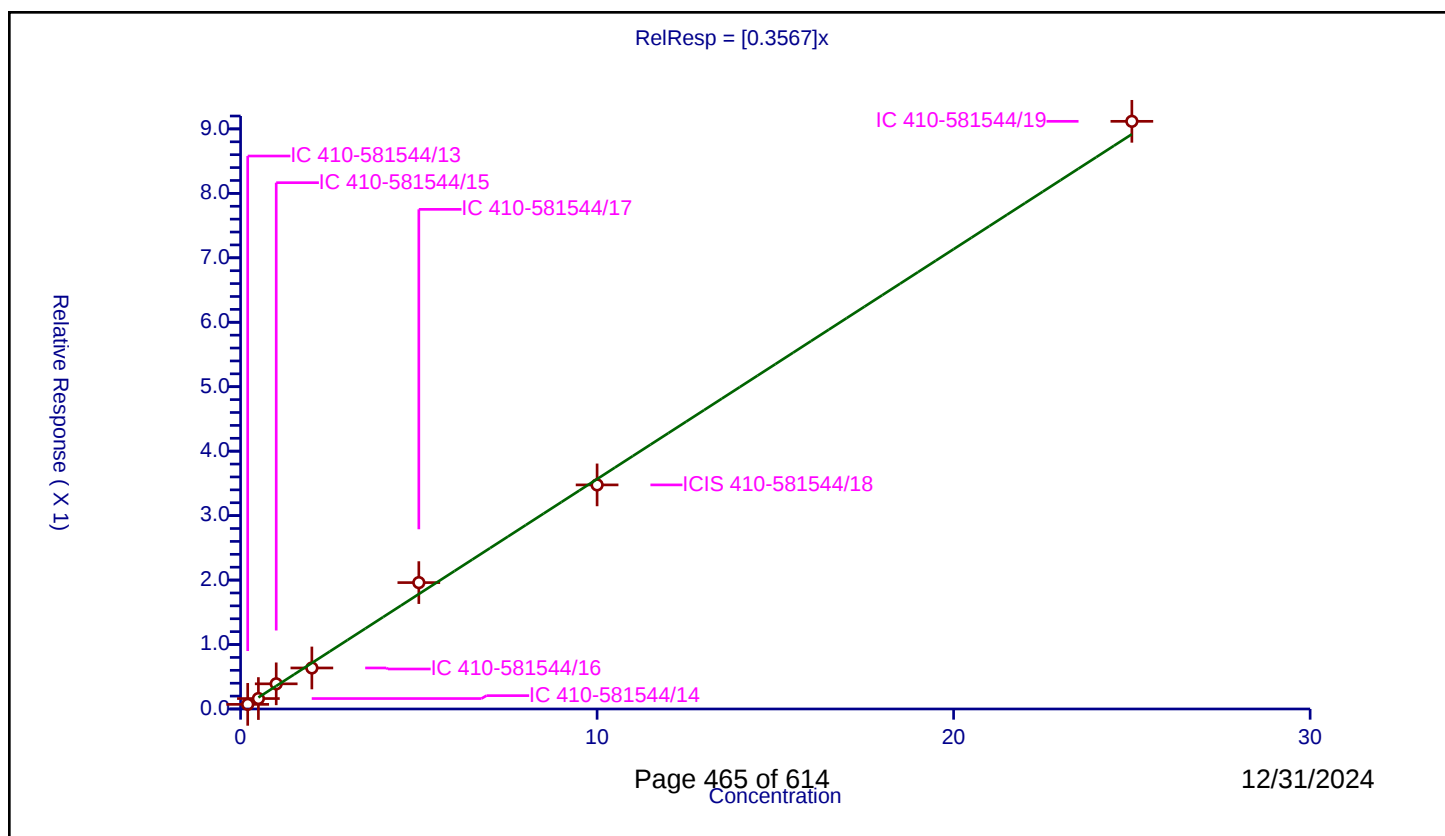
Curve Coefficients

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

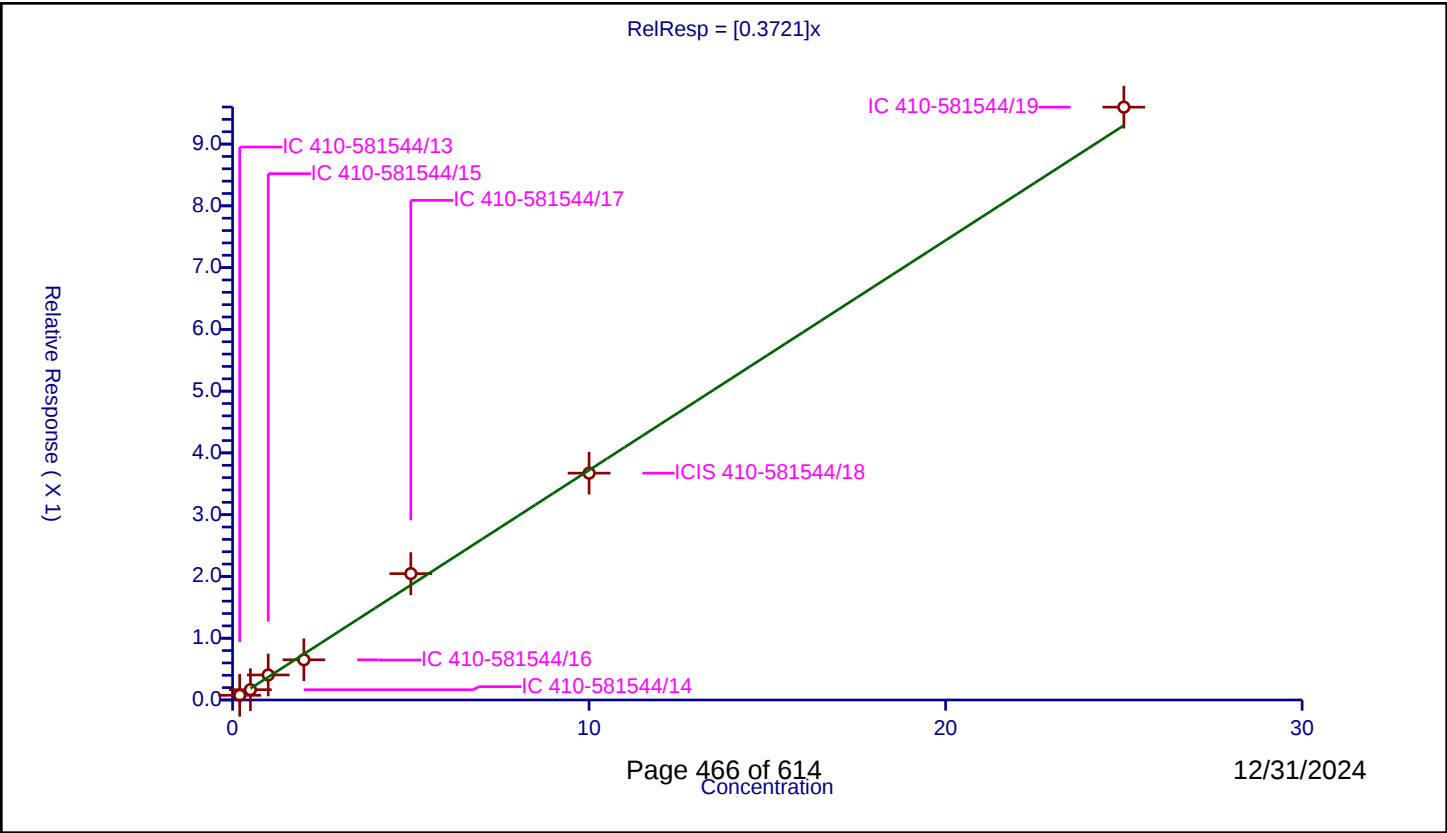
/ 1,1-Dichloropropene

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

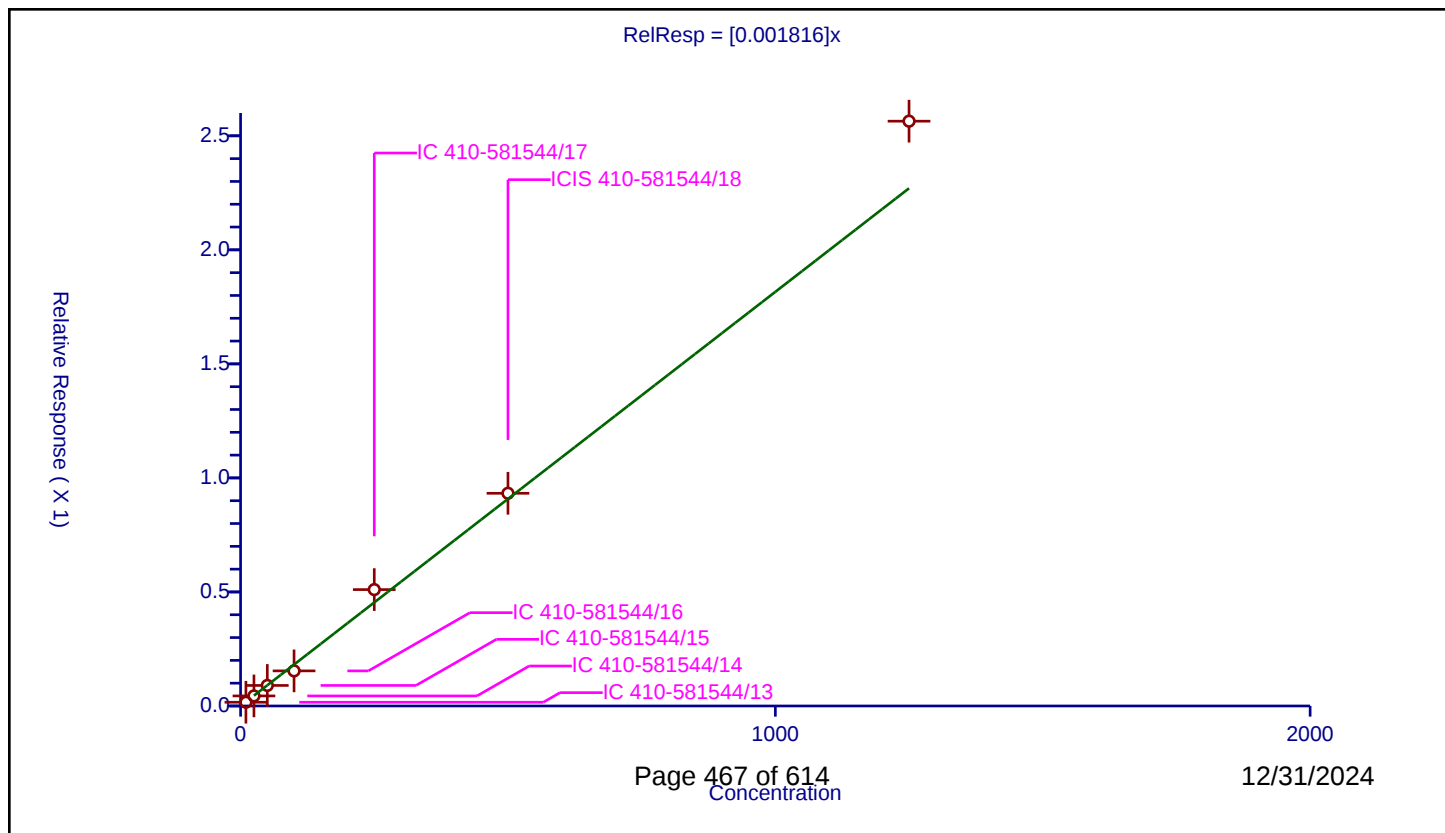
Curve Coefficients

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

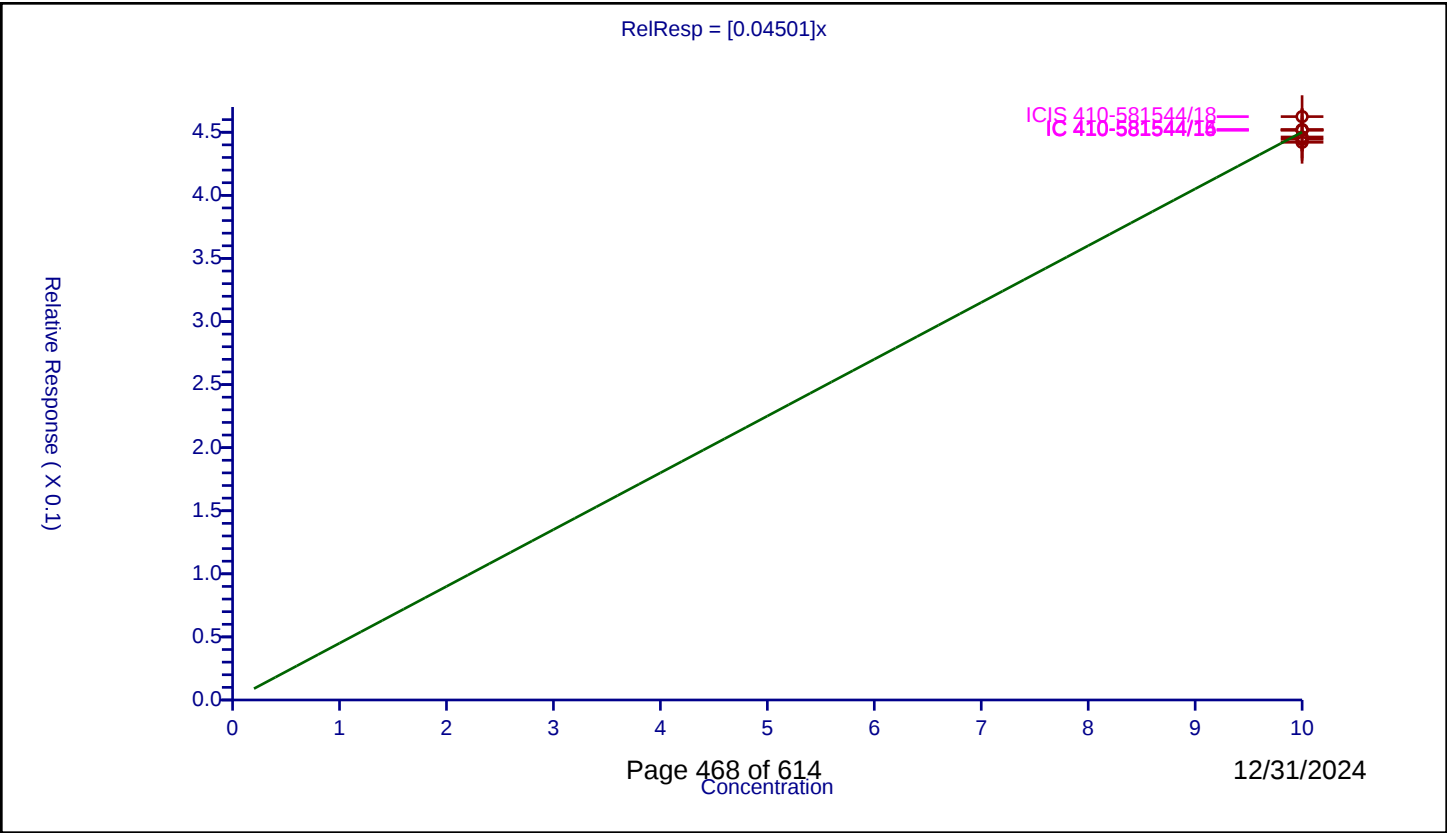
/ 1,2-Dichloroethane-d4 (Surr)

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

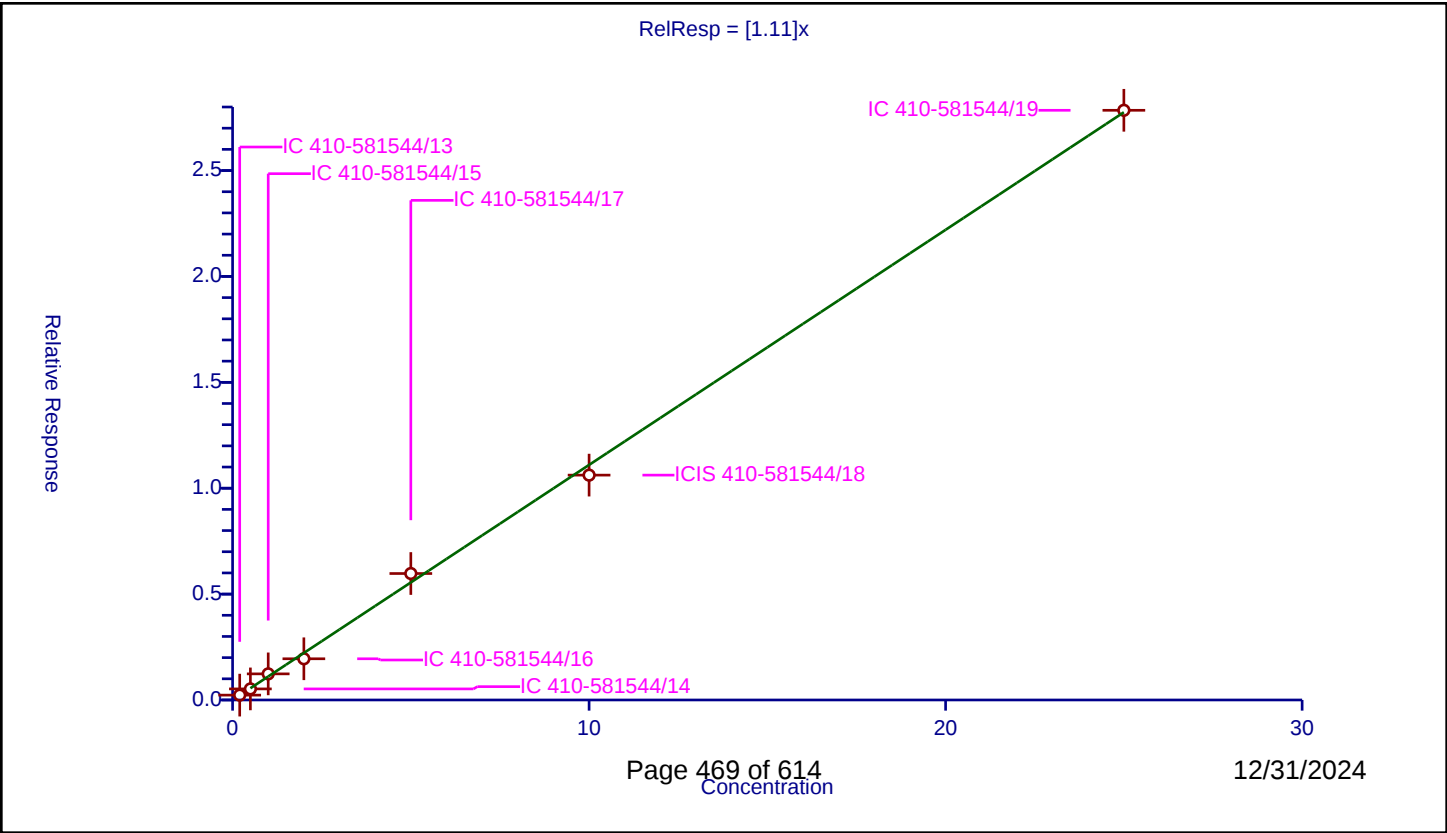


Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

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

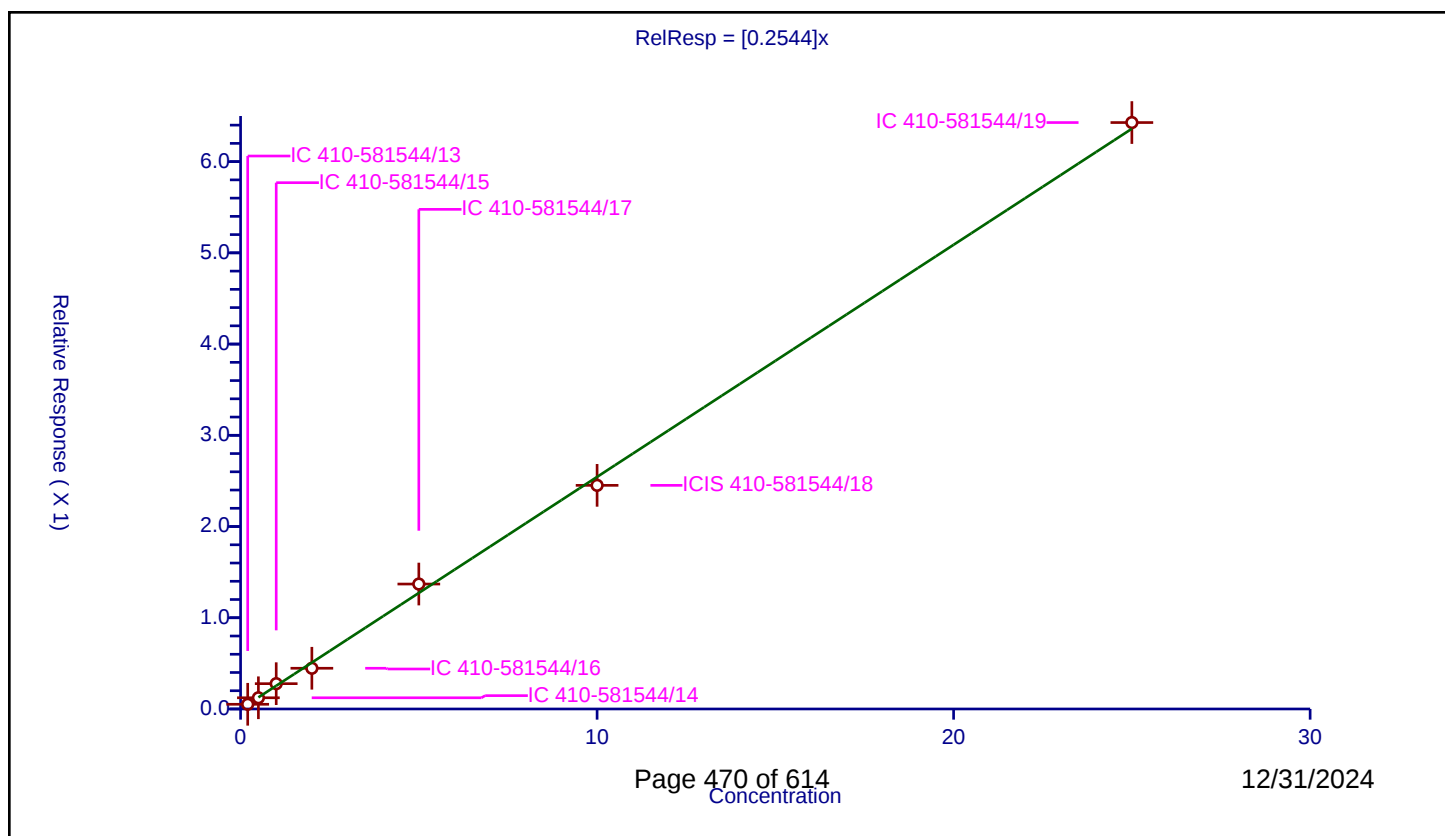
Curve Coefficients

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

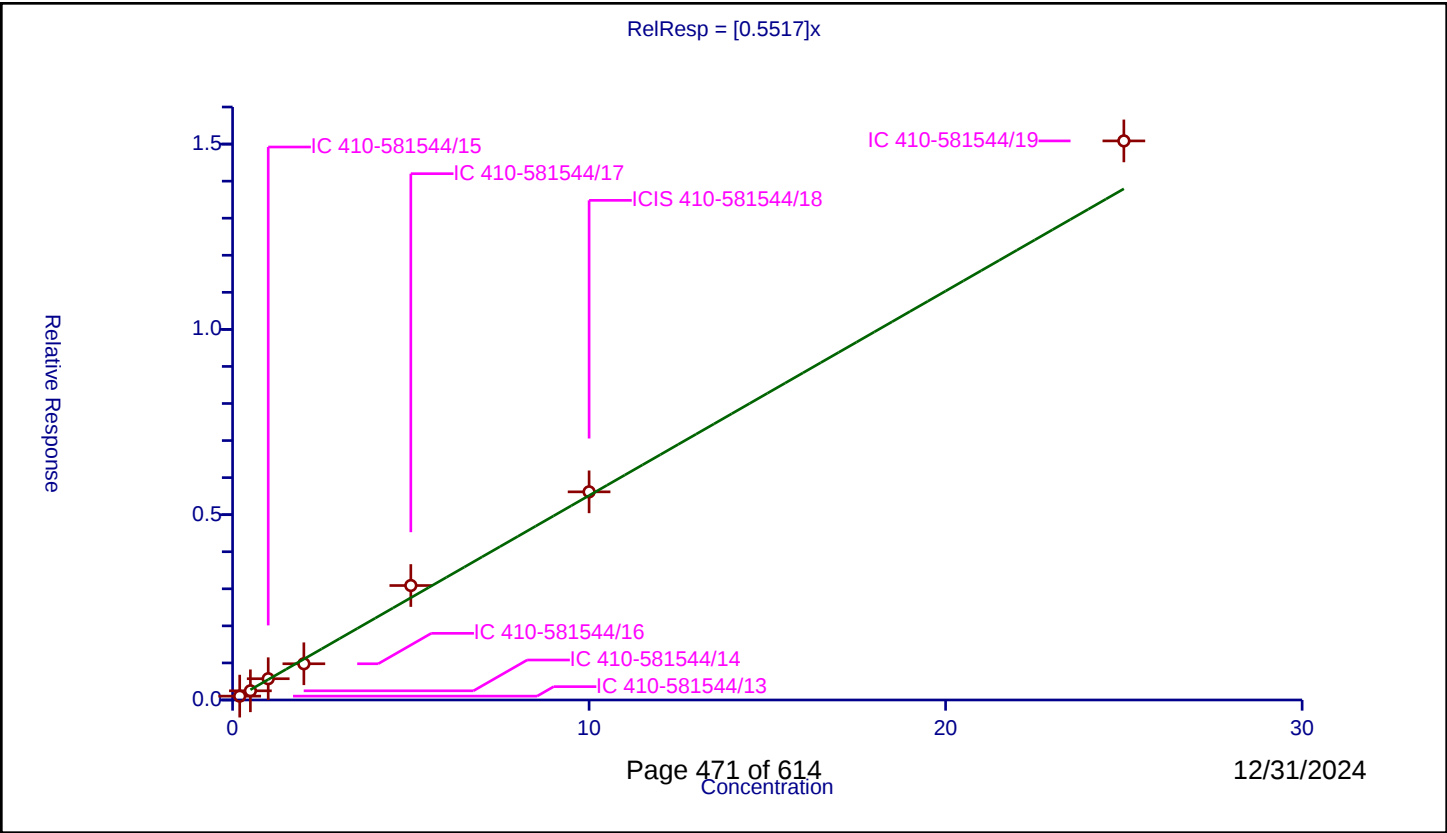
/ Tert-amyl methyl ether

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

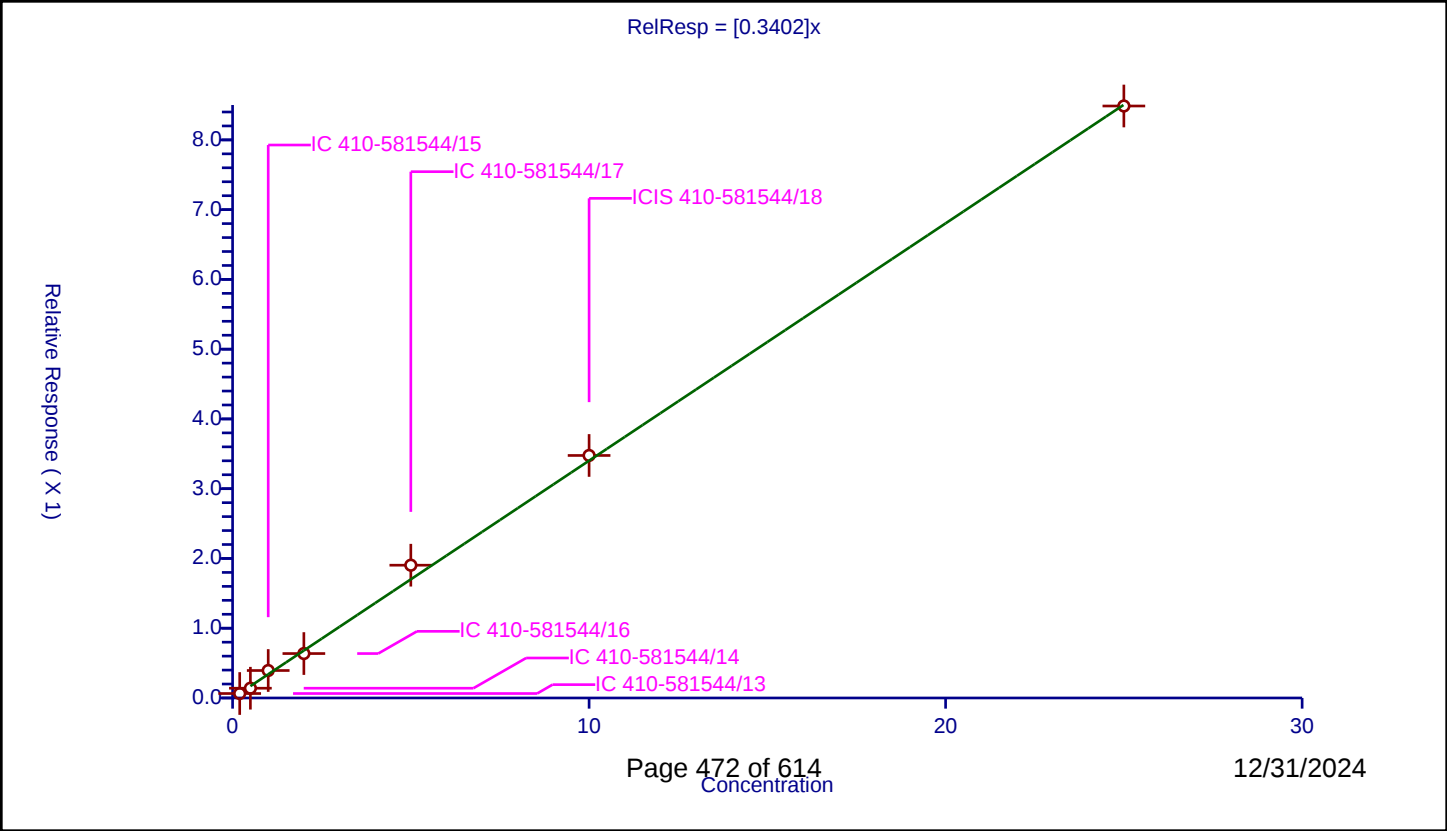
/ n-Heptane

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

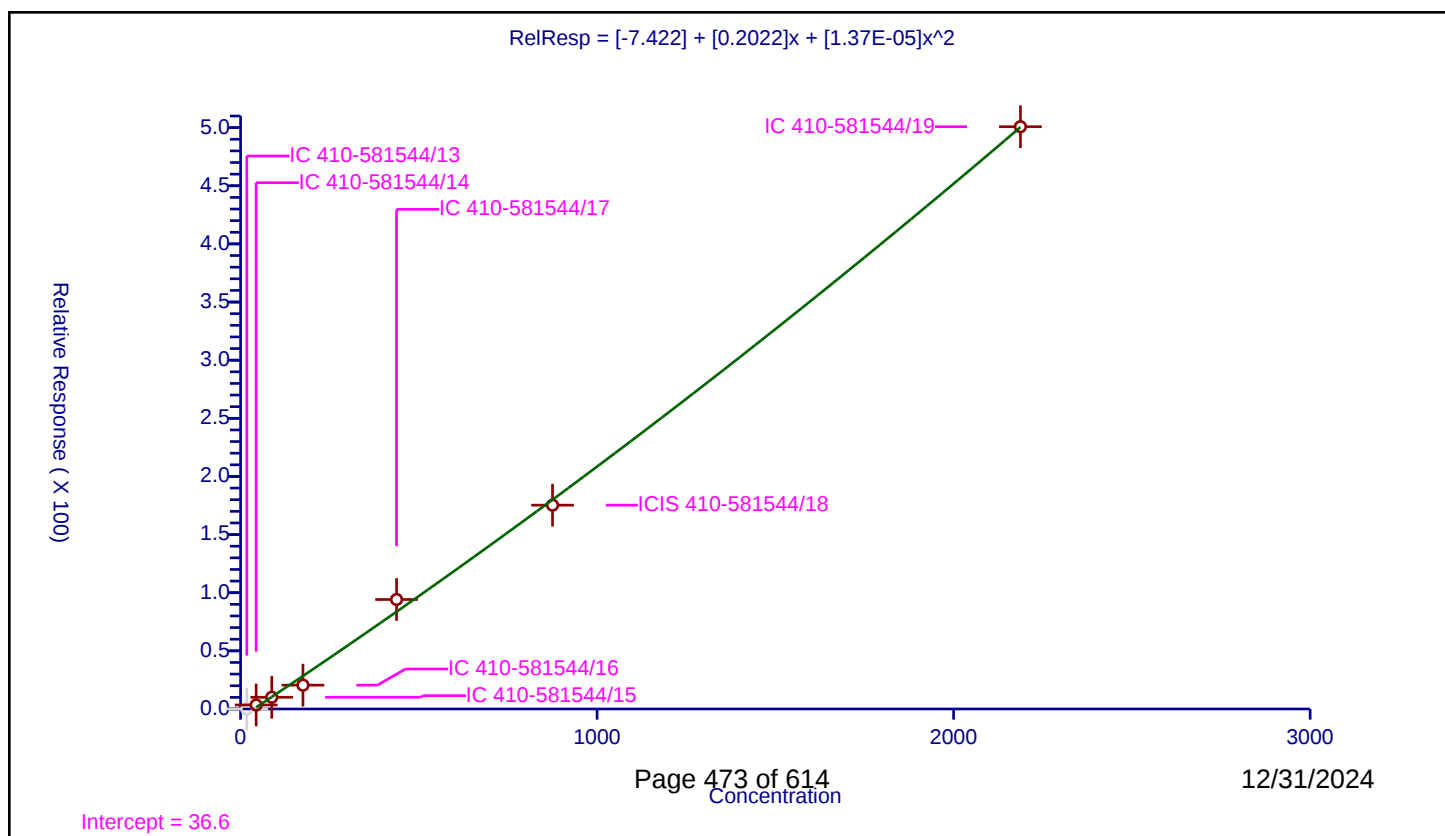
Curve Coefficients

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

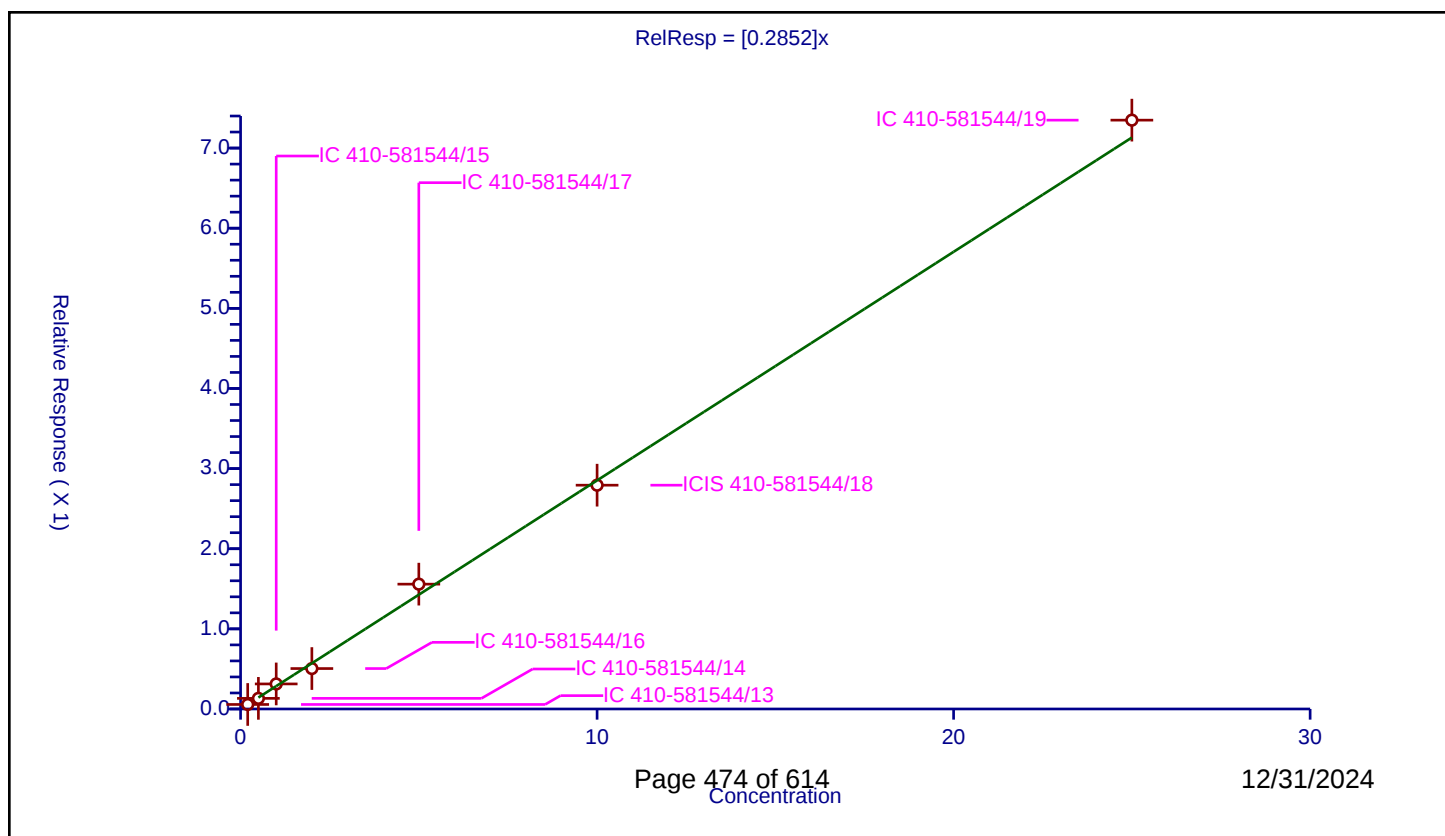
Curve Coefficients

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

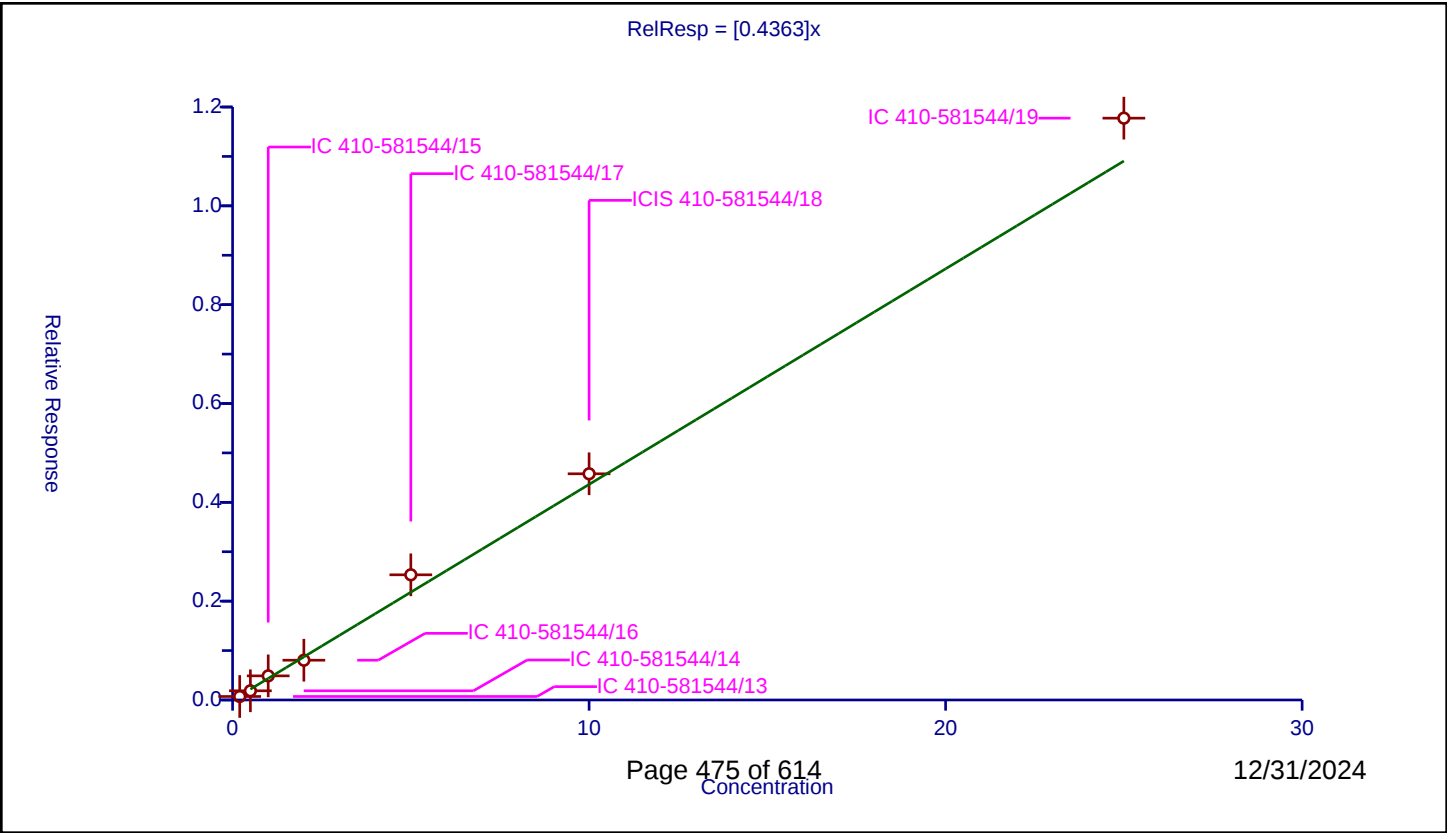
/ Methylcyclohexane

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

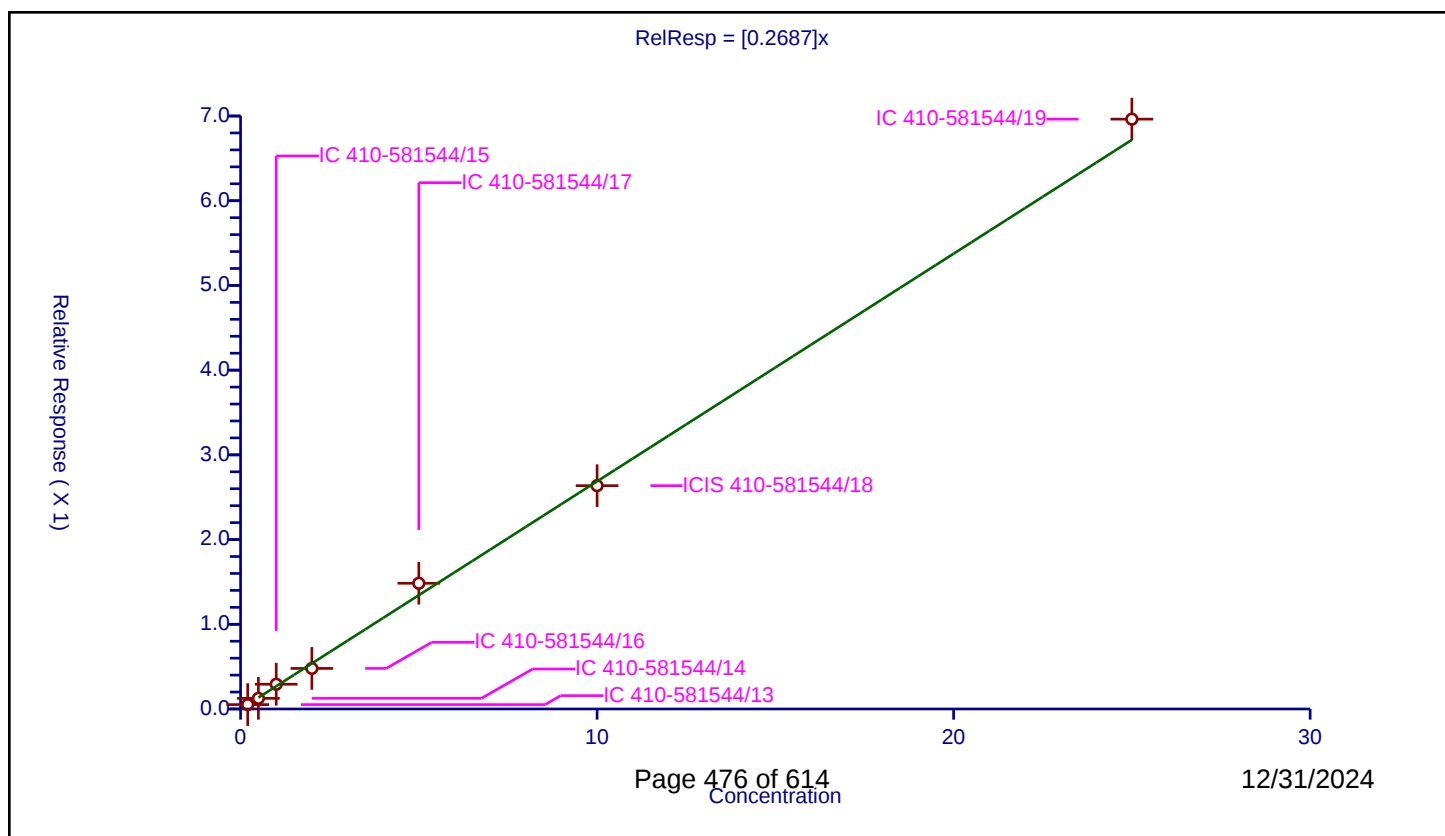
Curve Coefficients

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

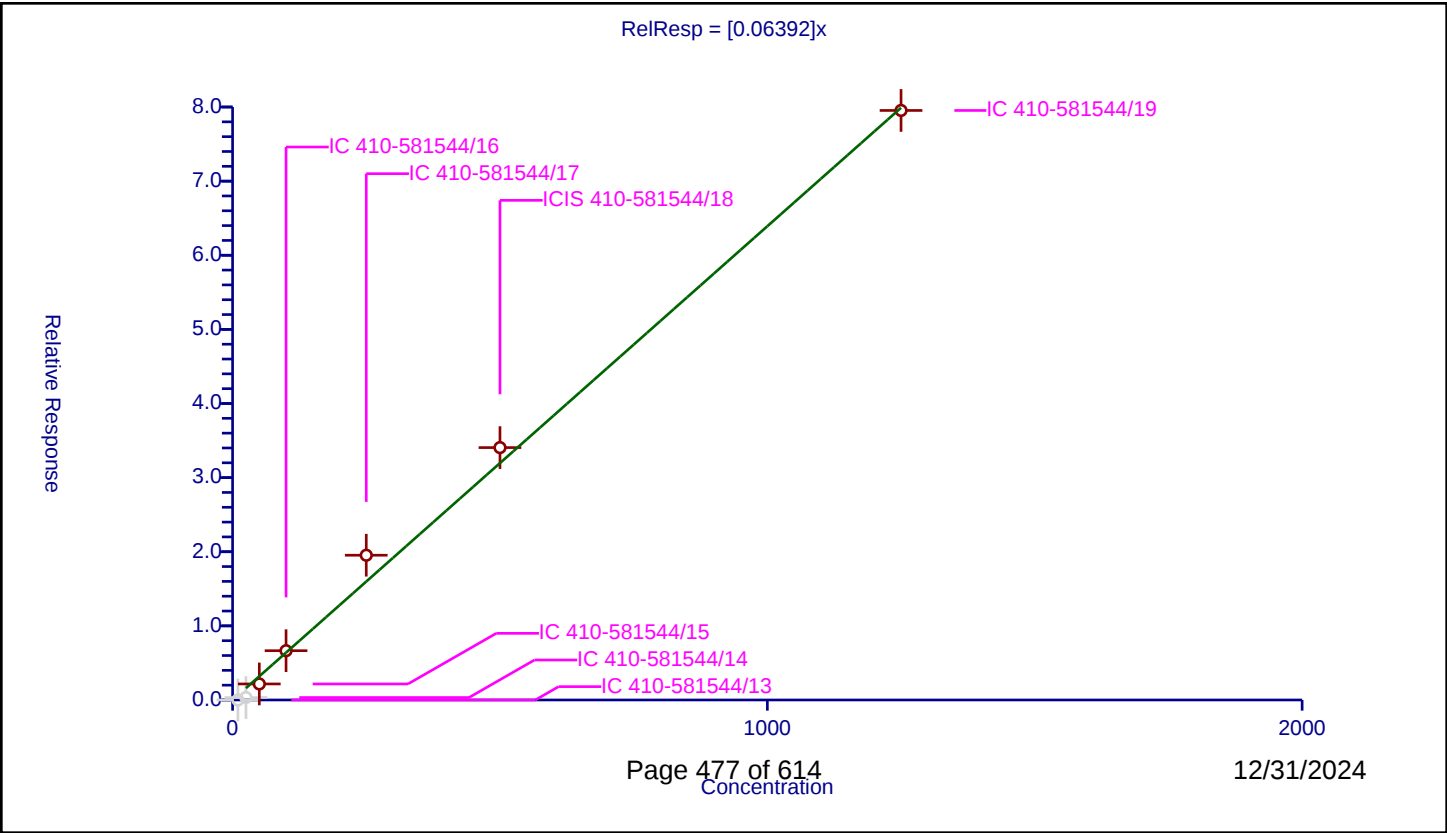
/ 1,4-Dioxane

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

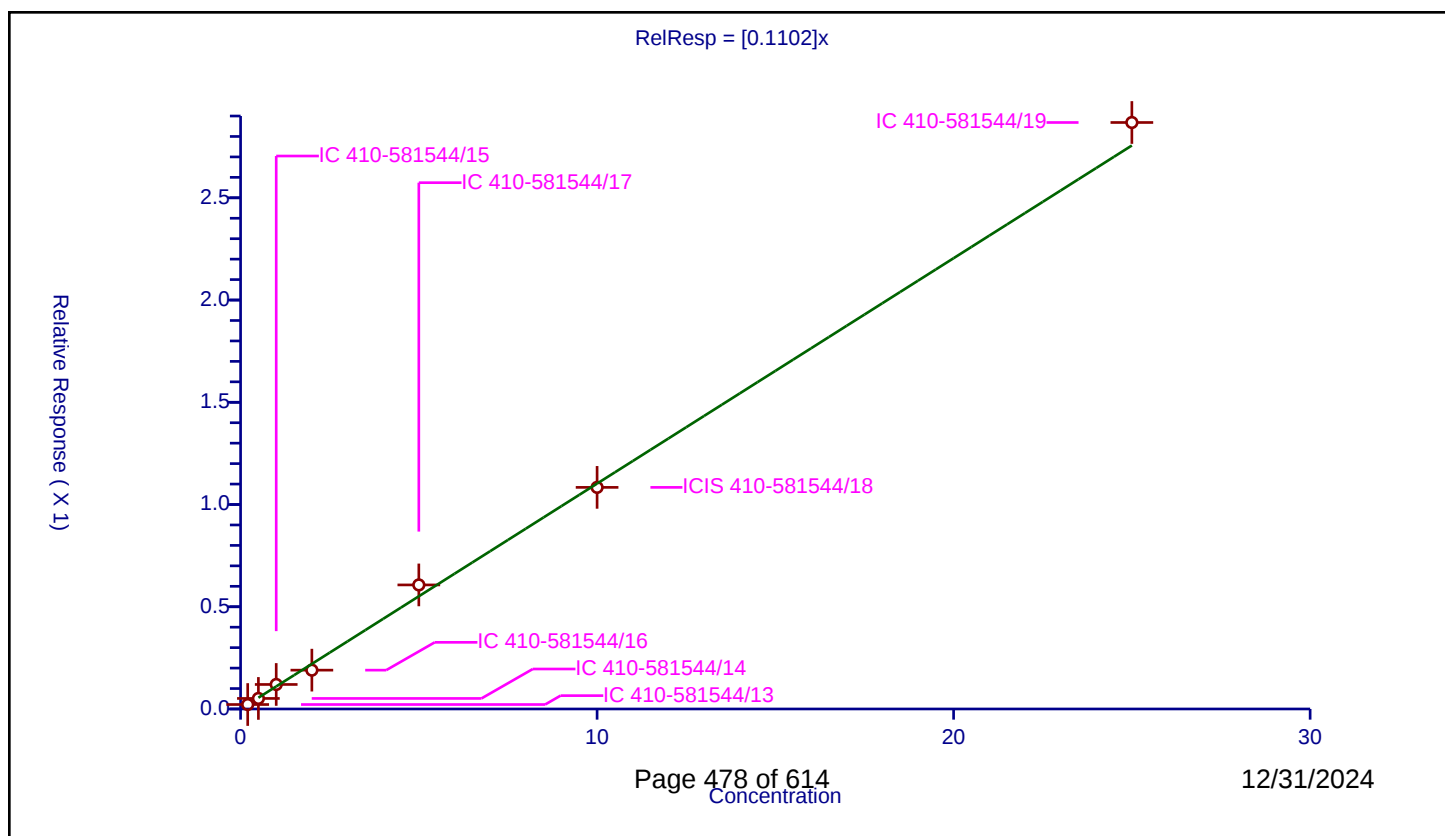
Curve Coefficients

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

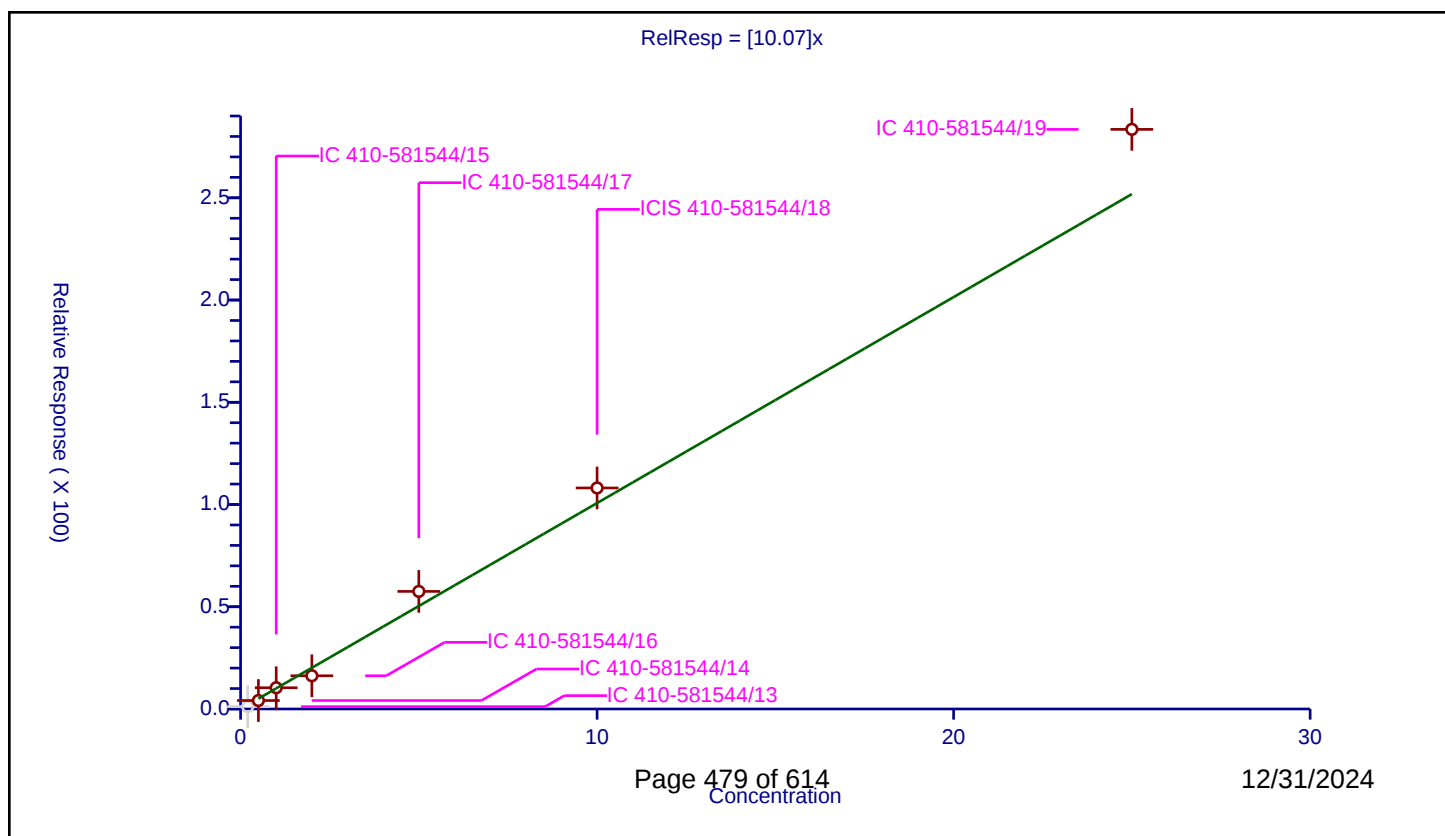
Curve Coefficients

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

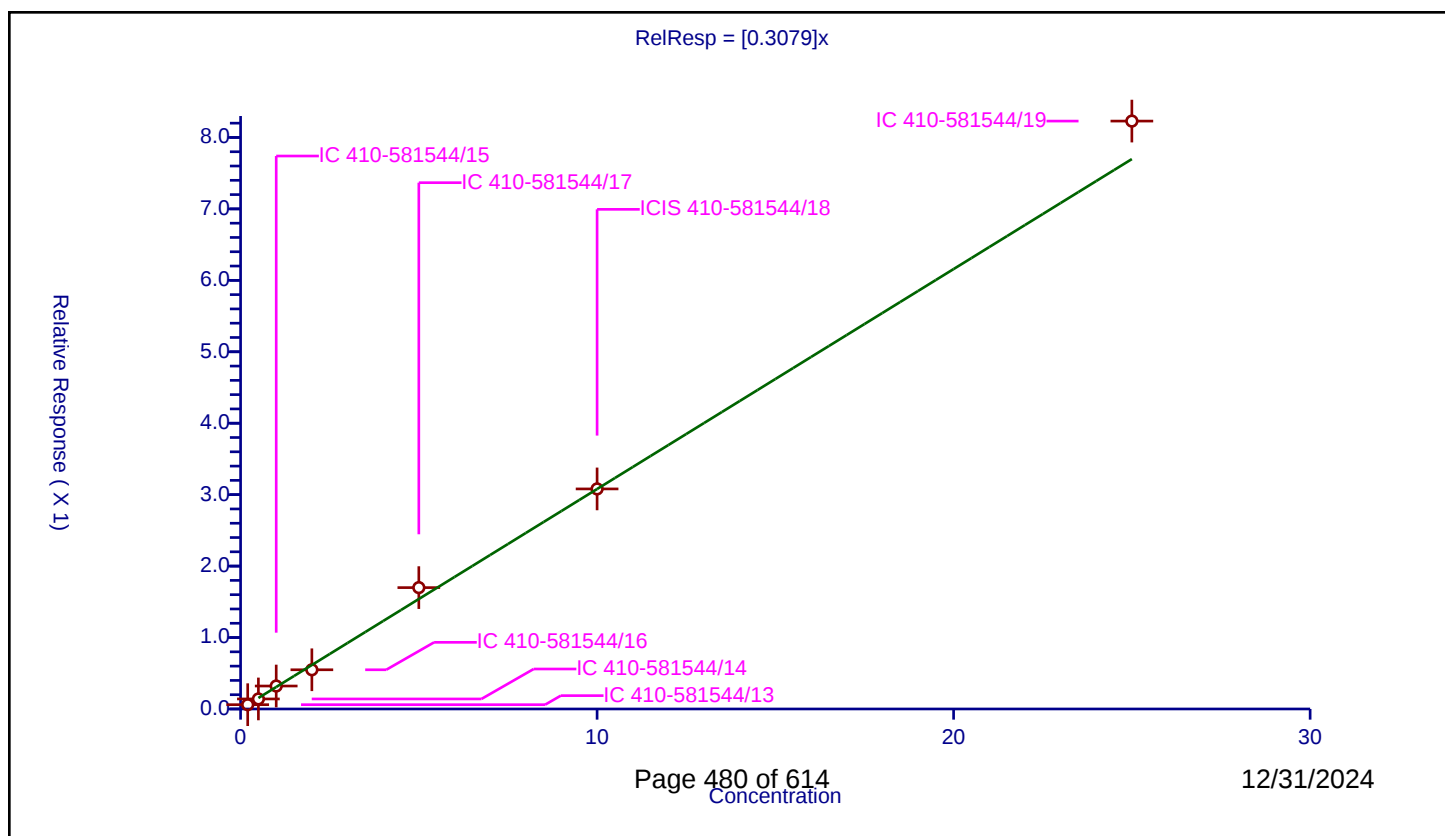
Curve Coefficients

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

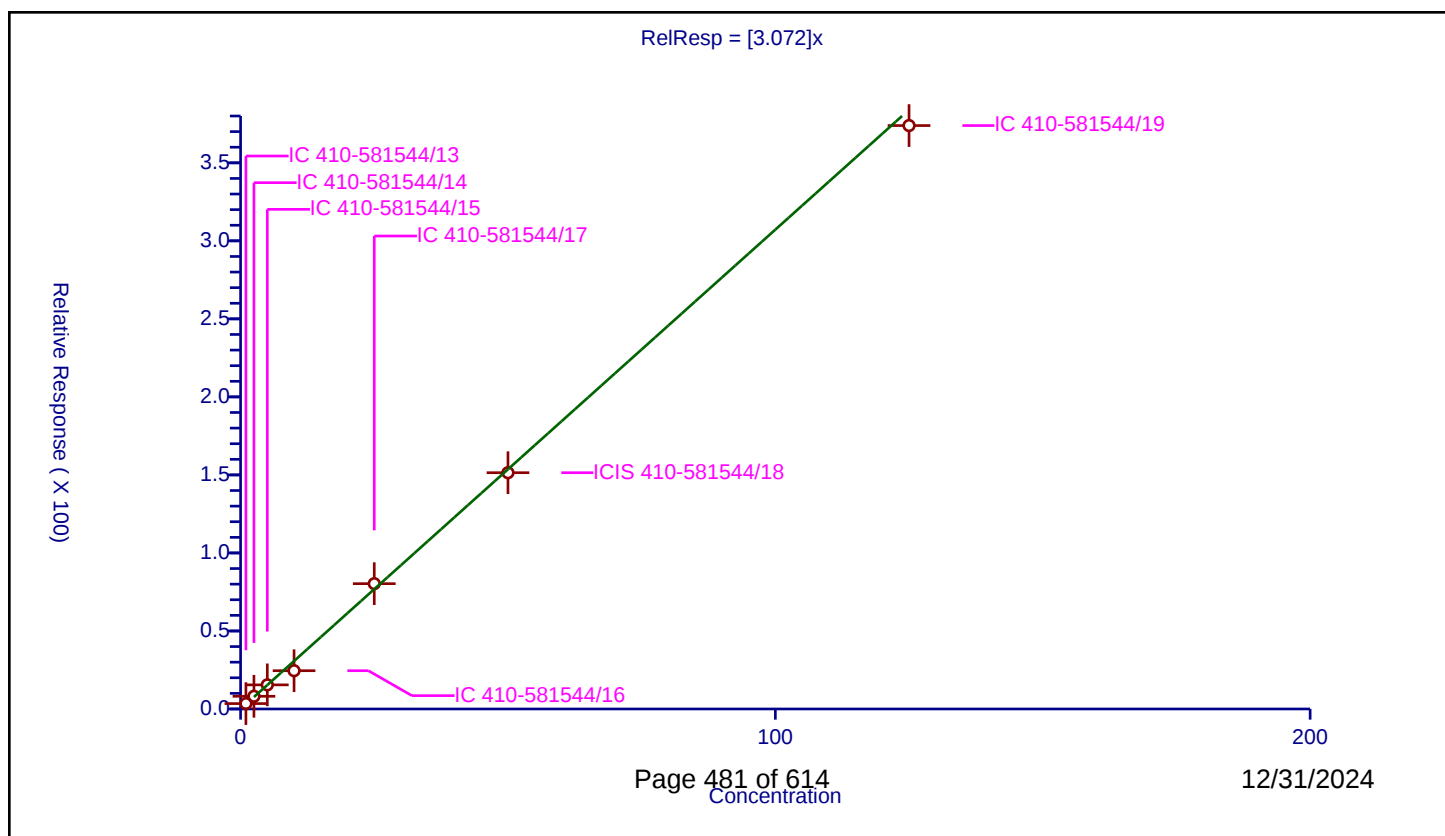
Curve Coefficients

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



Calibration

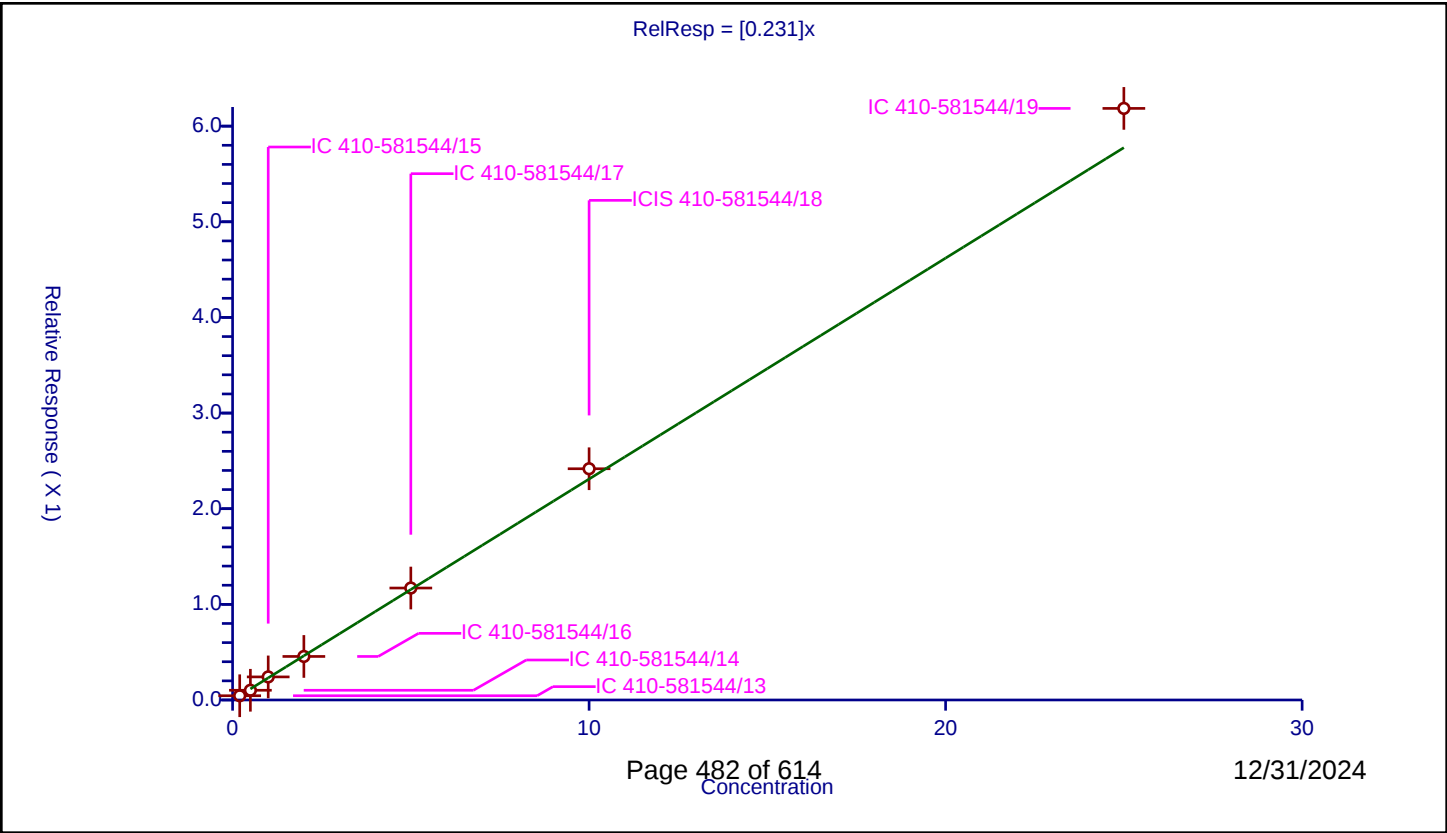
/ 1-Bromo-2-chloroethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.231
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

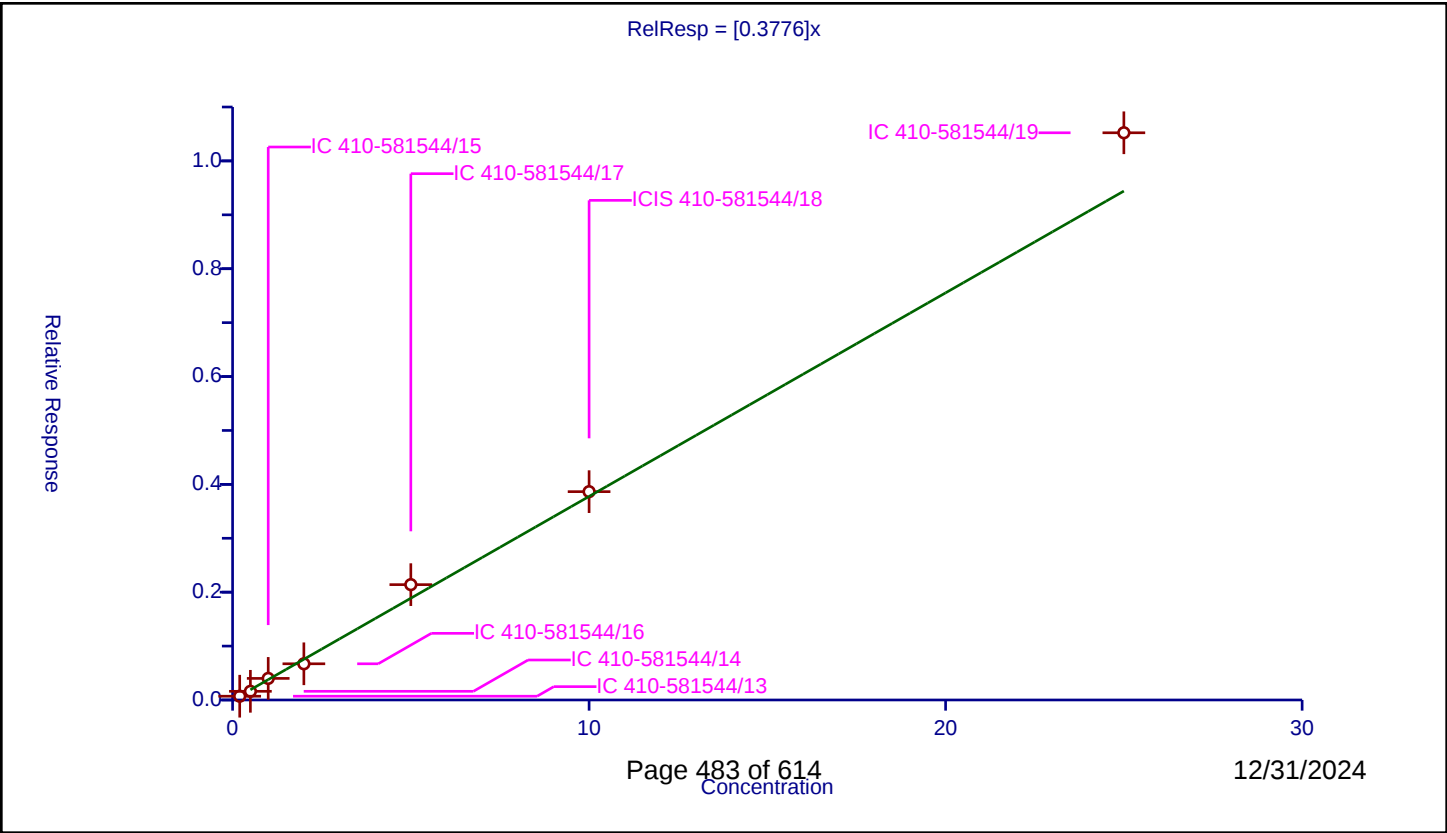
/ cis-1,3-Dichloropropene

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

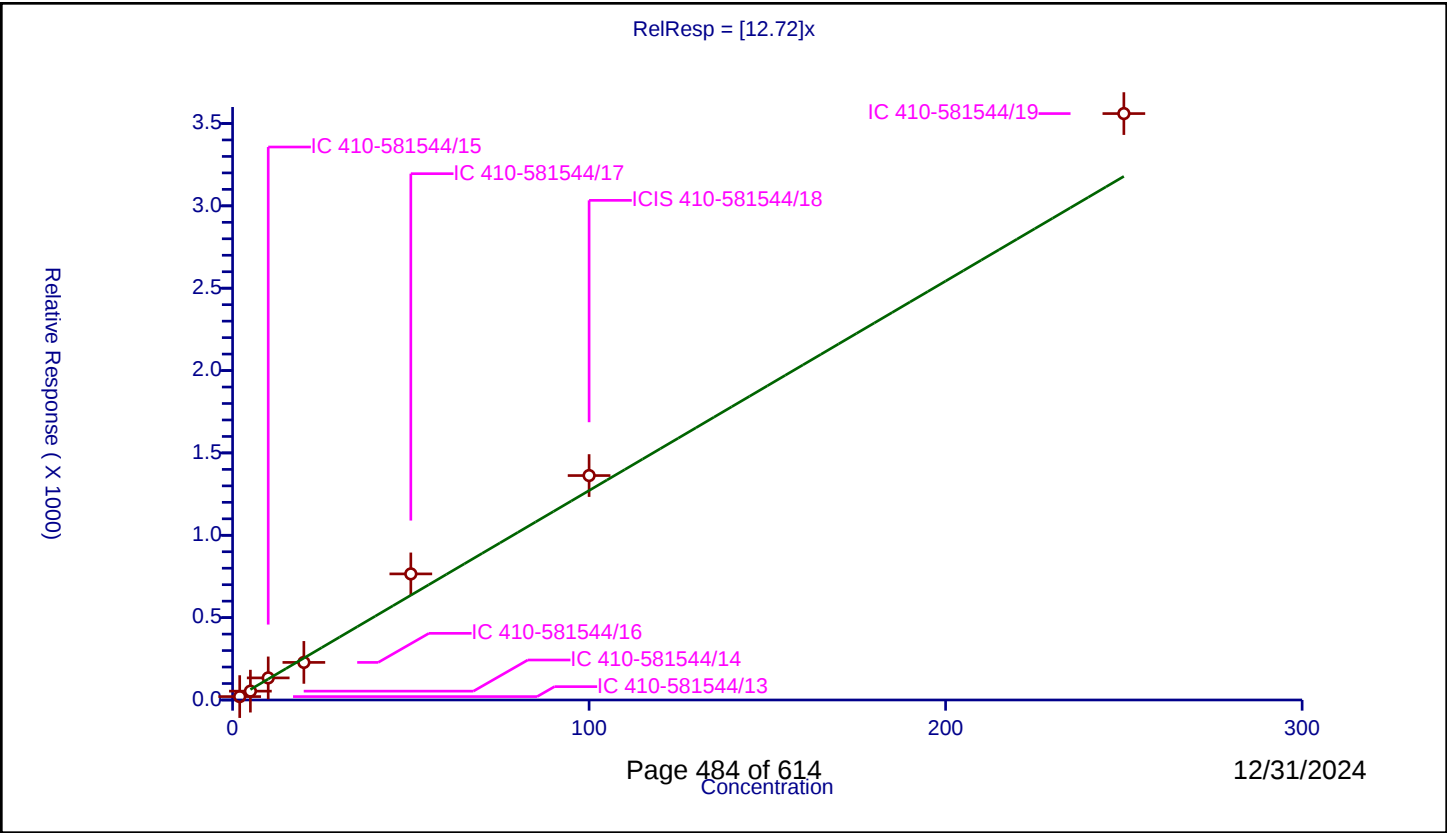
/ 4-Methyl-2-pentanone (MIBK)

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

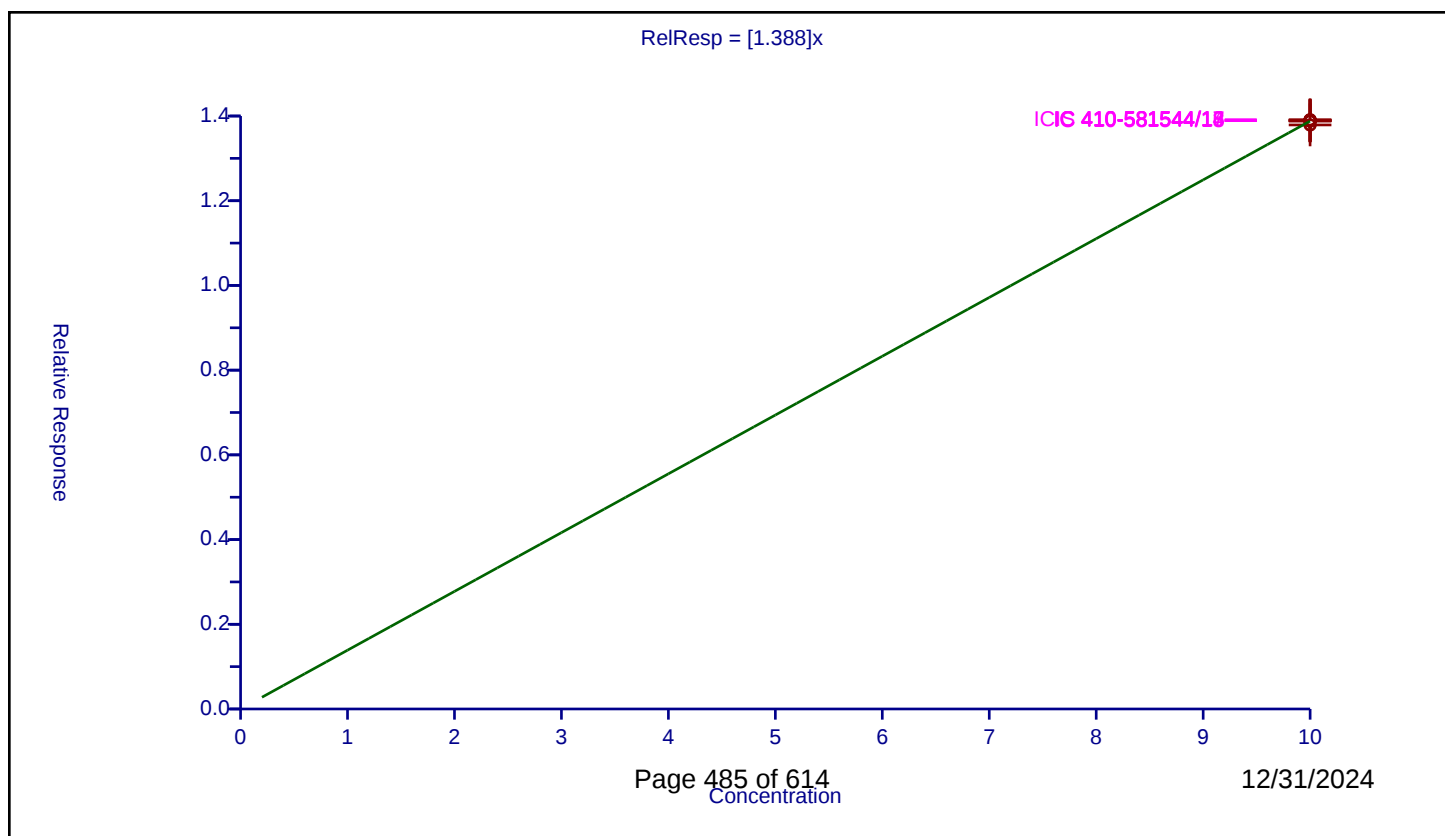
Curve Coefficients

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

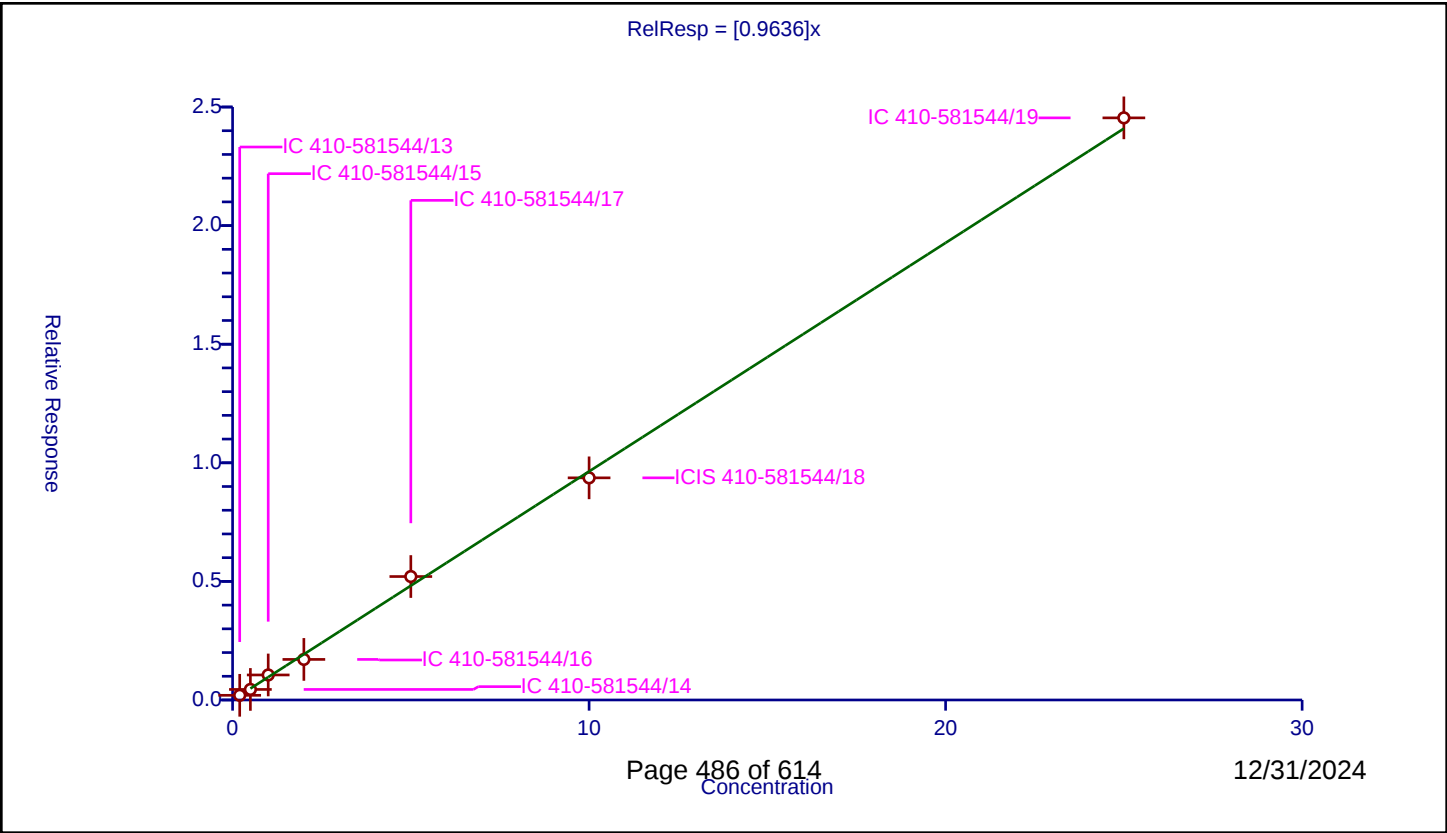
/ Toluene

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

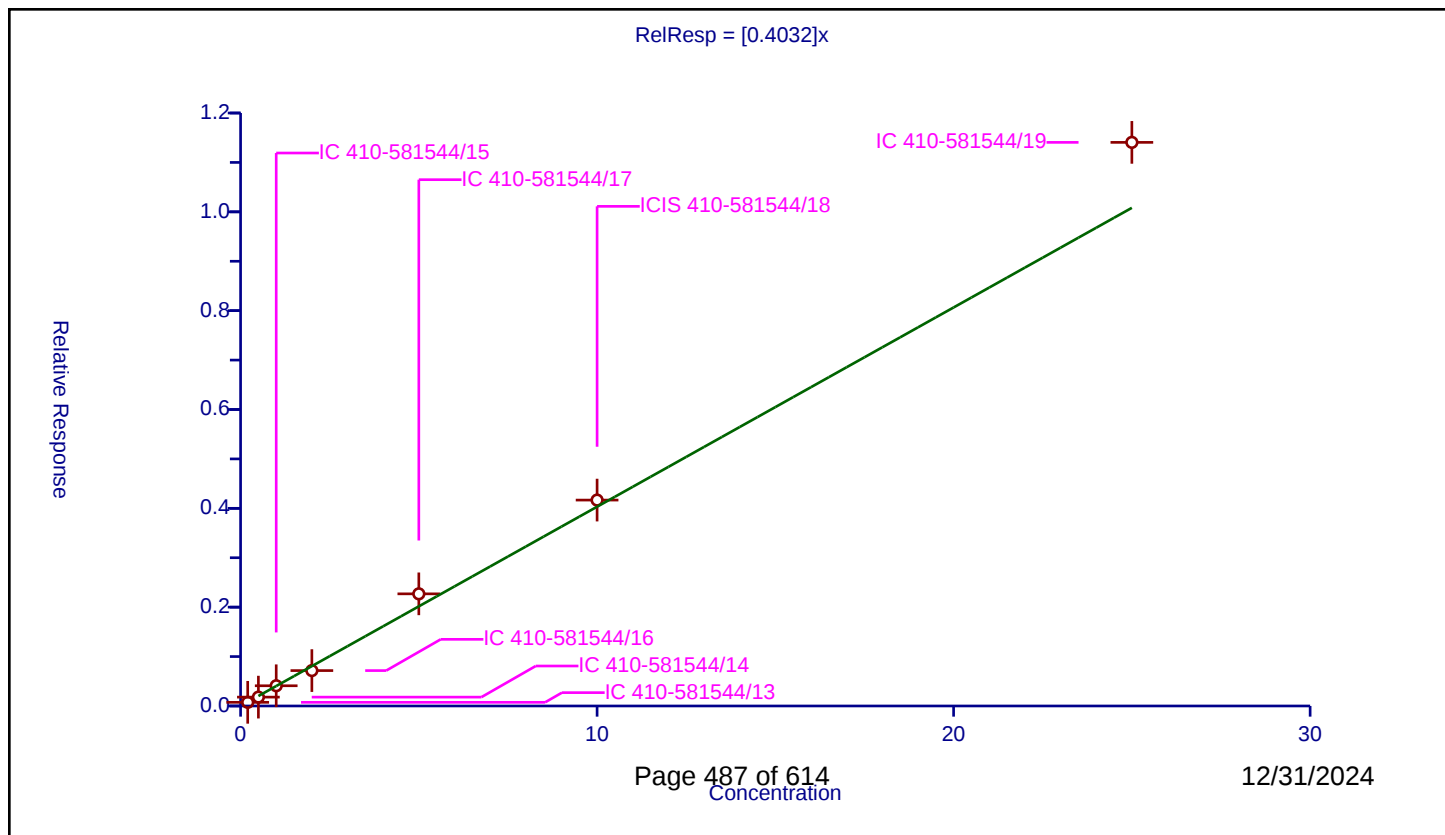
Curve Coefficients

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

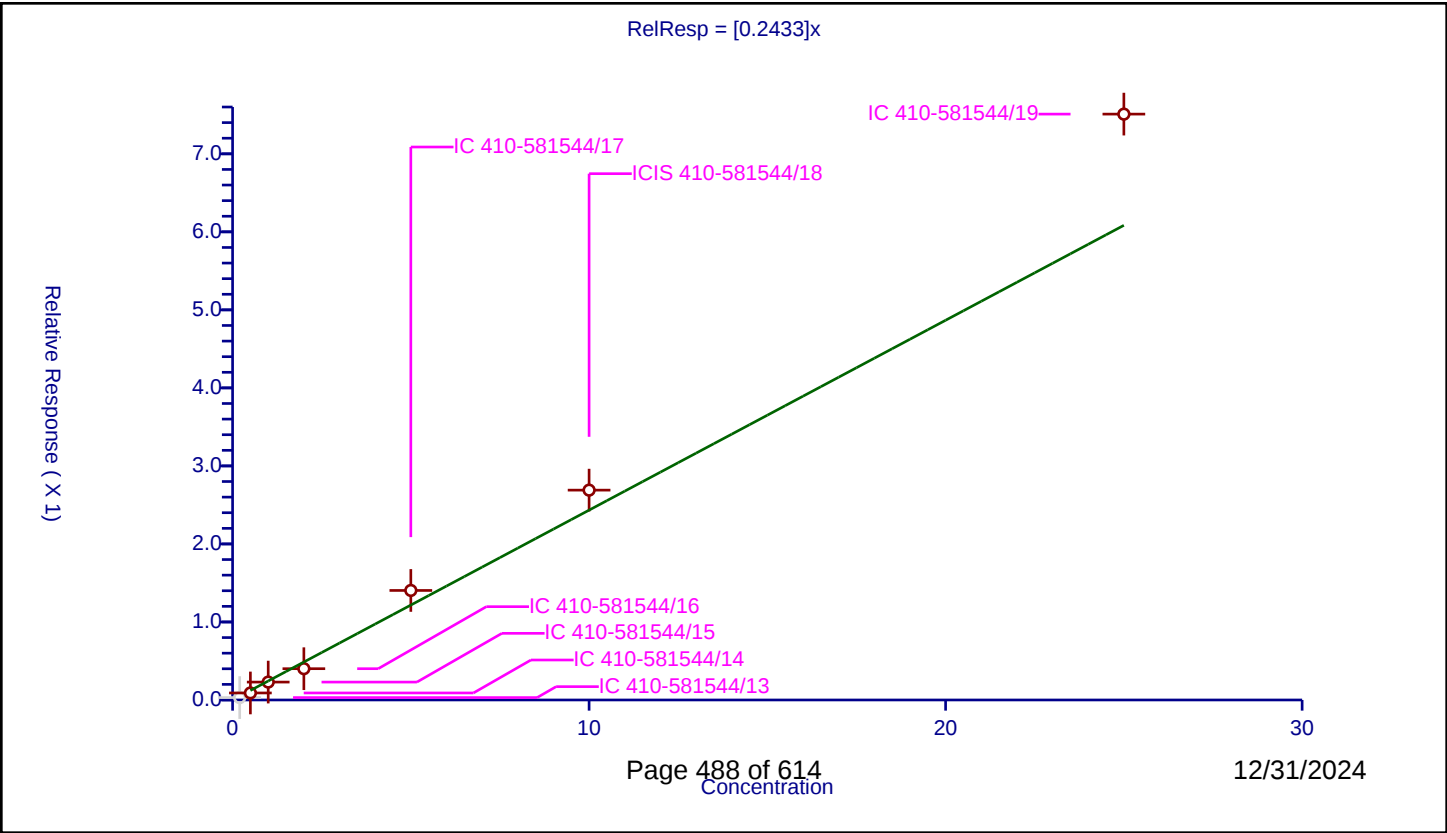
/ Ethyl methacrylate

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

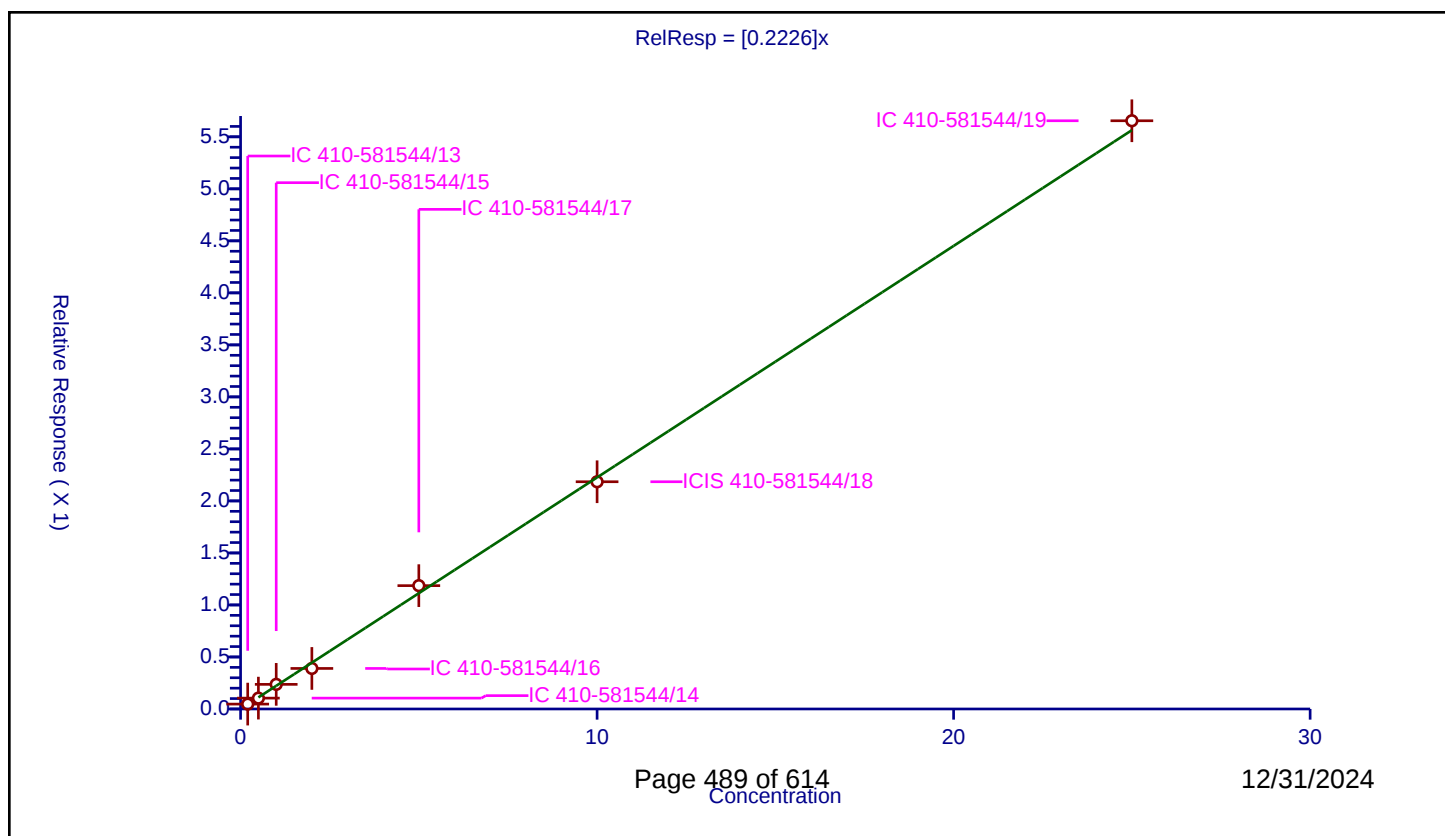
Curve Coefficients

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

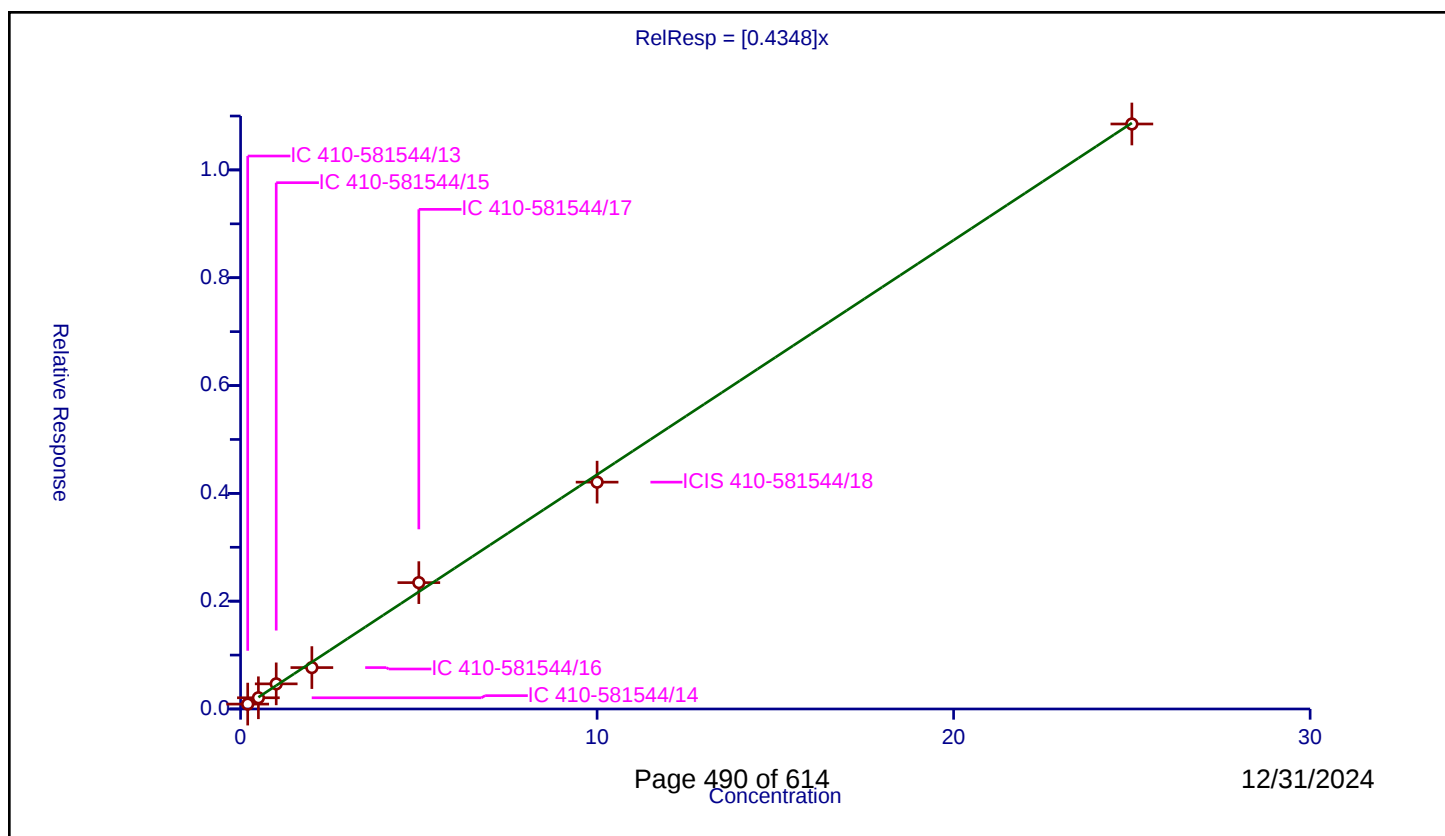
Curve Coefficients

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

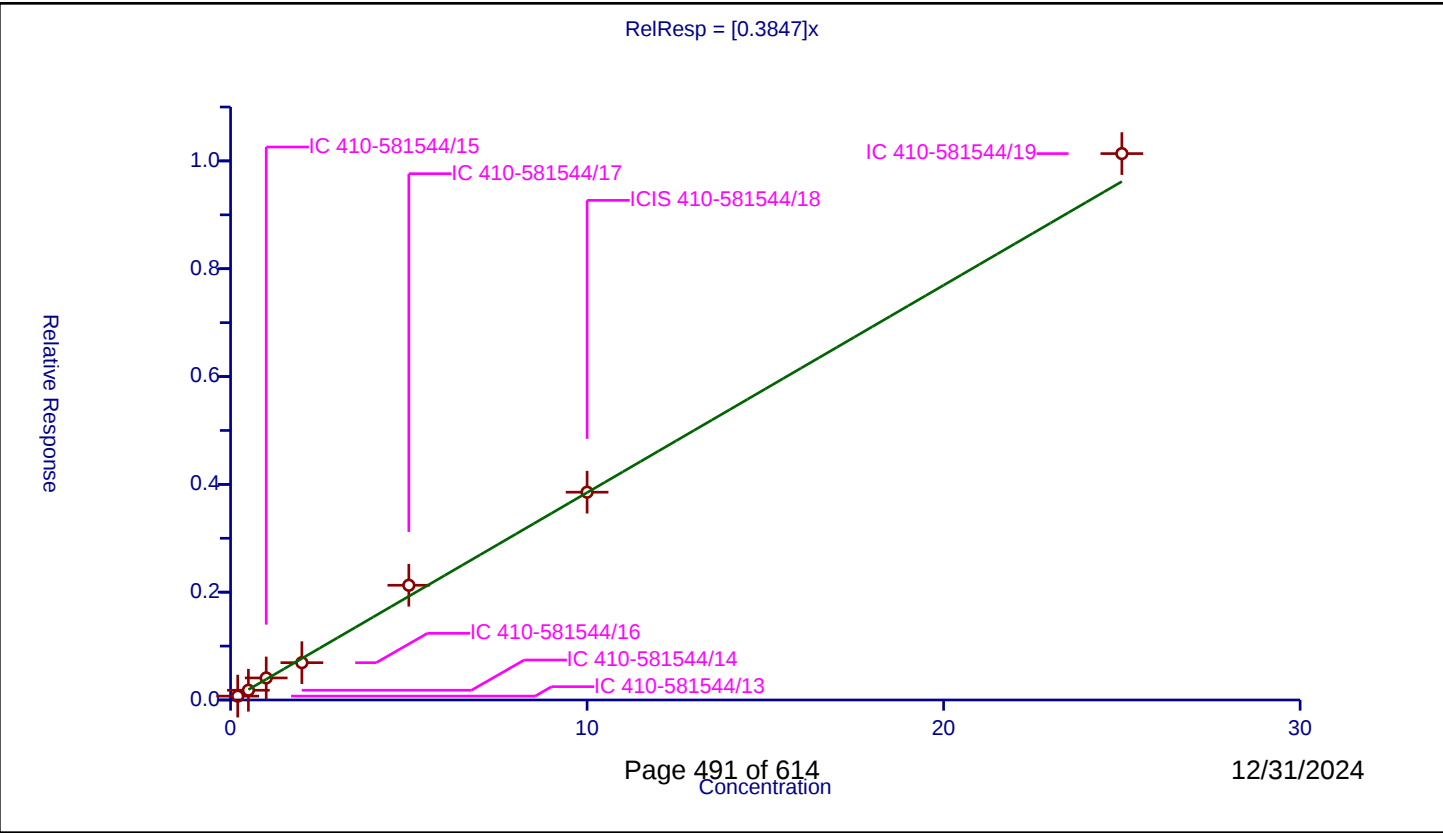


Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

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



Calibration

/ 2-Hexanone

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

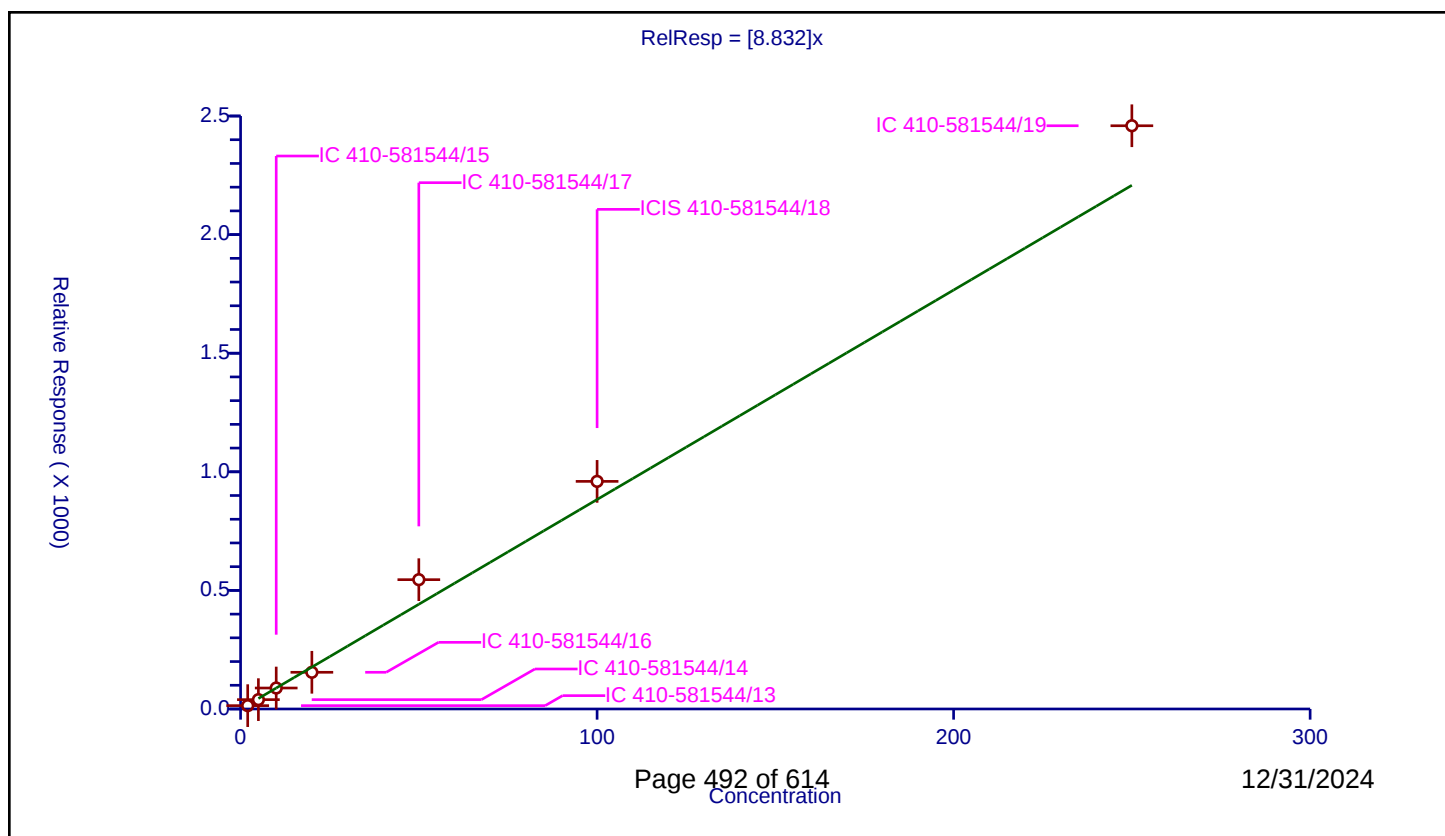
Curve Coefficients

Intercept: 0
Slope: 8.832

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

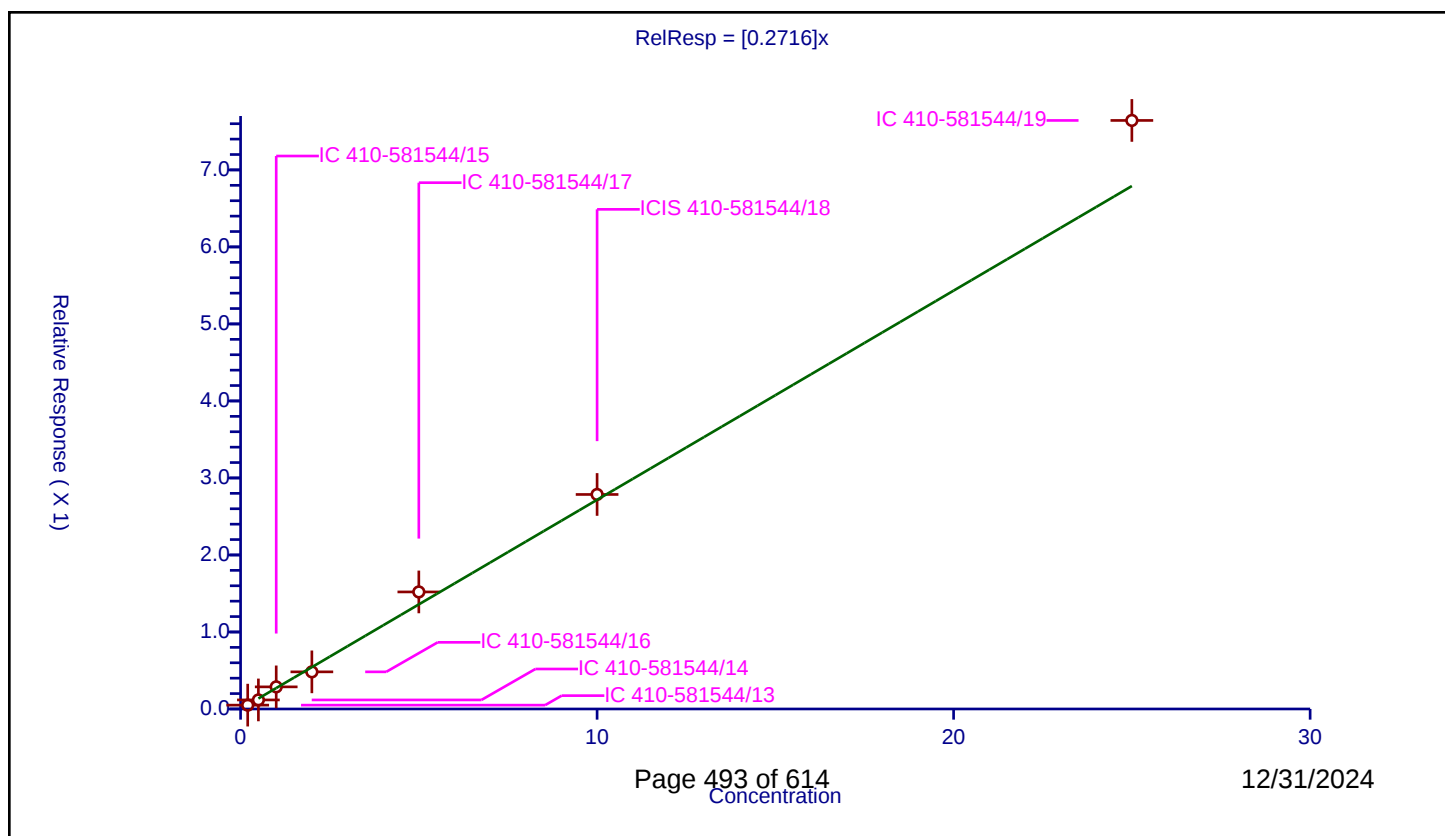
Curve Coefficients

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

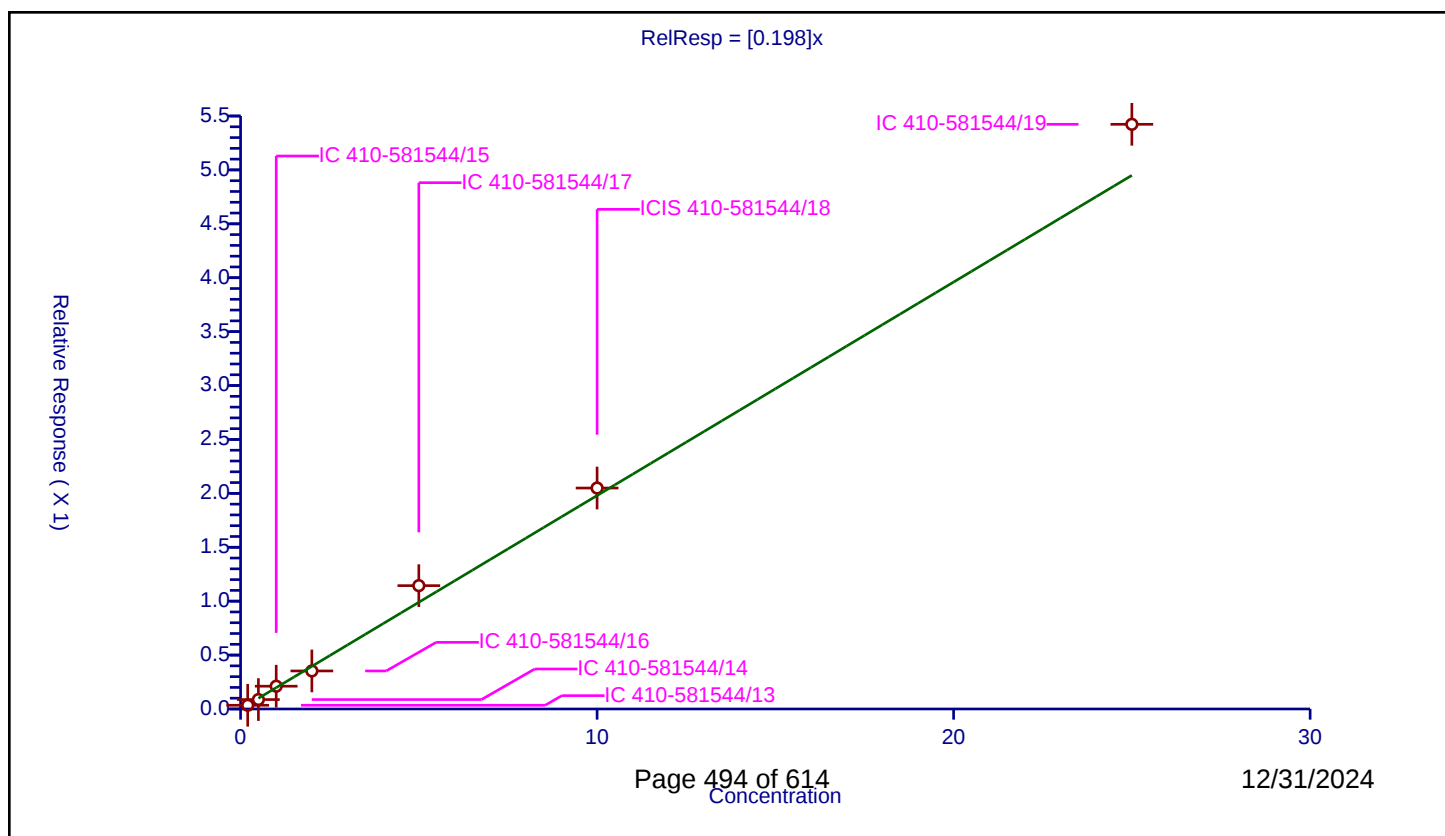
Curve Coefficients

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

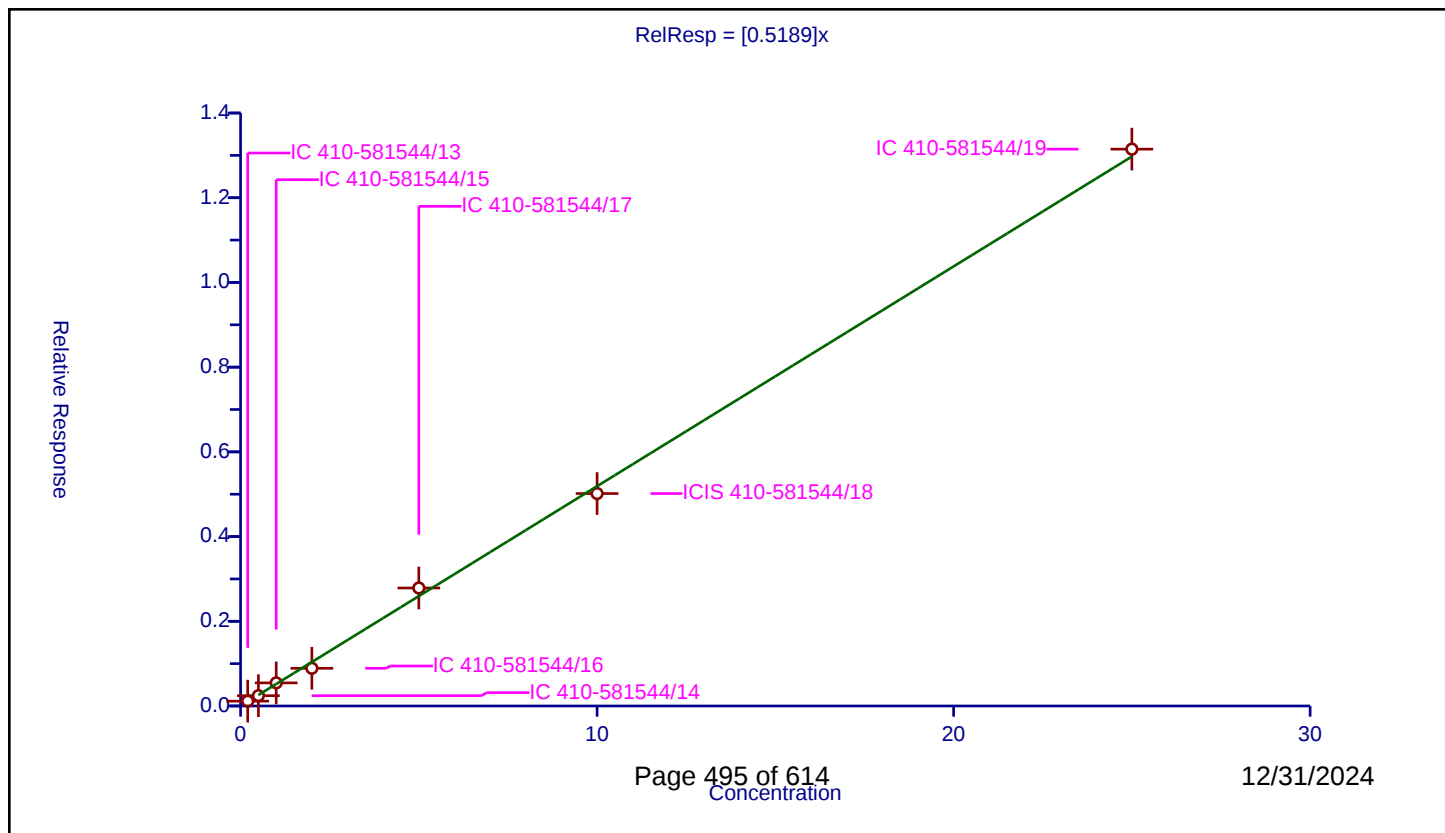
Curve Coefficients

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

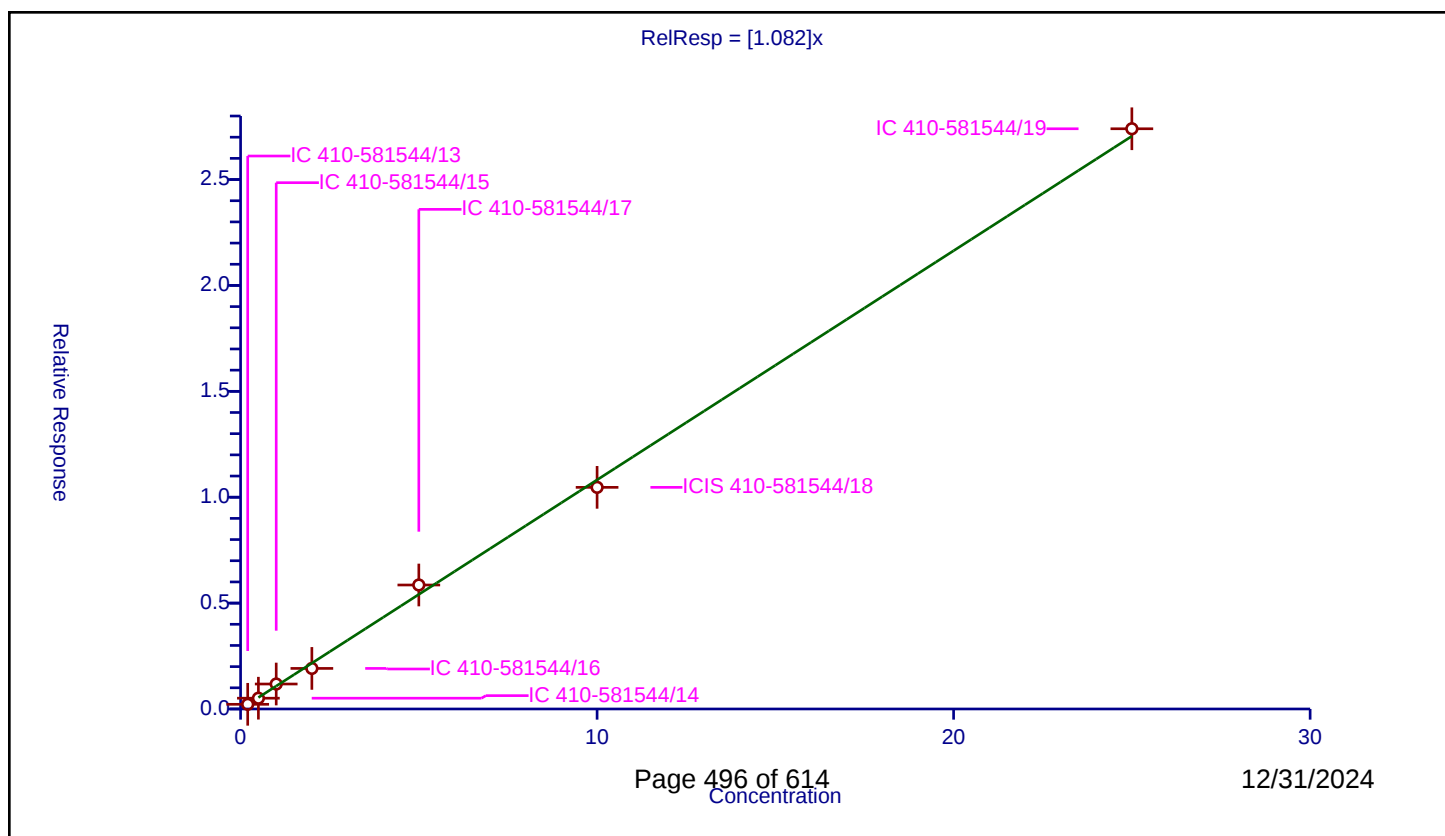
Curve Coefficients

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

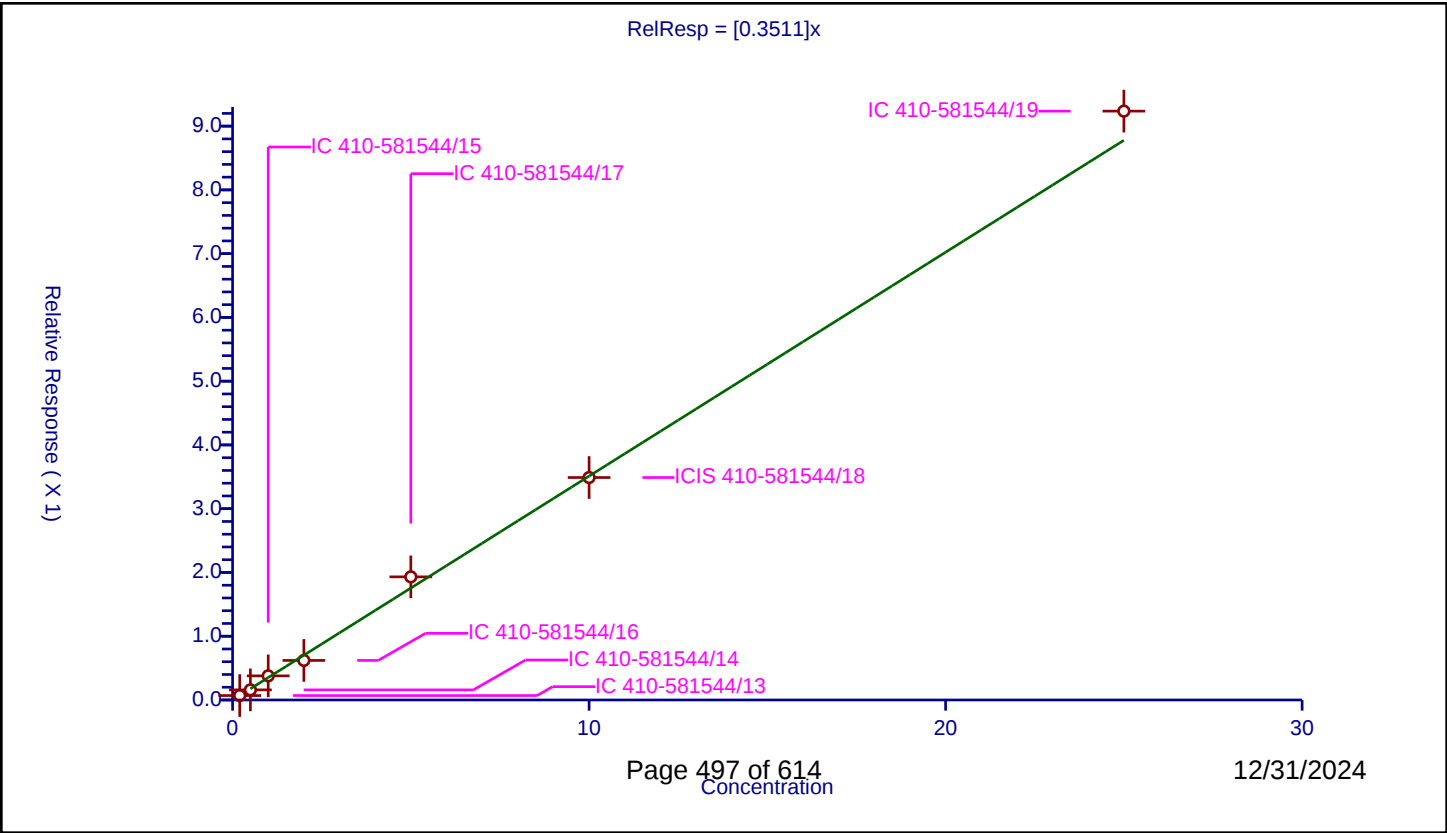
/ 1,1,1,2-Tetrachloroethane

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

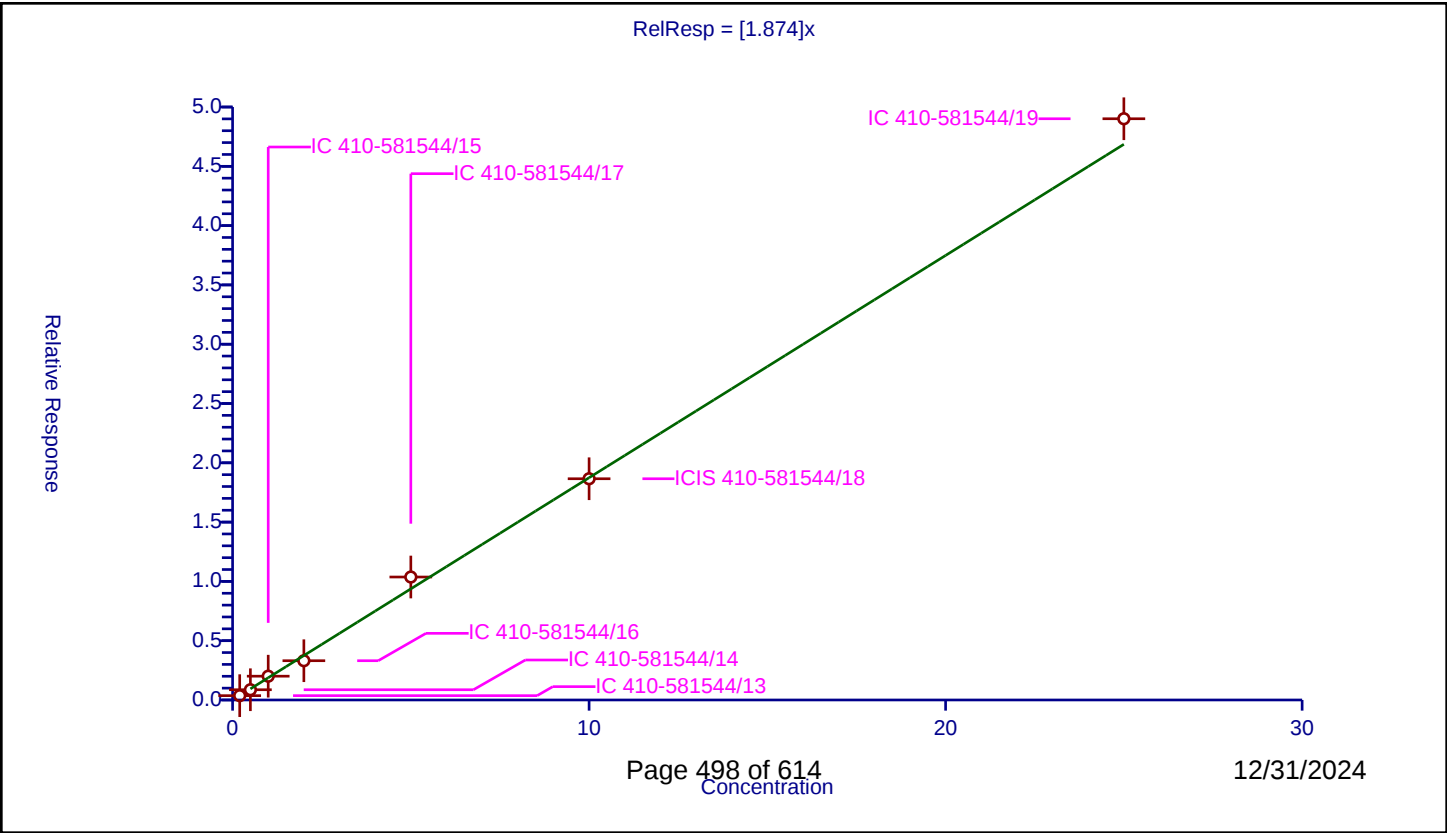
/ Ethylbenzene

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

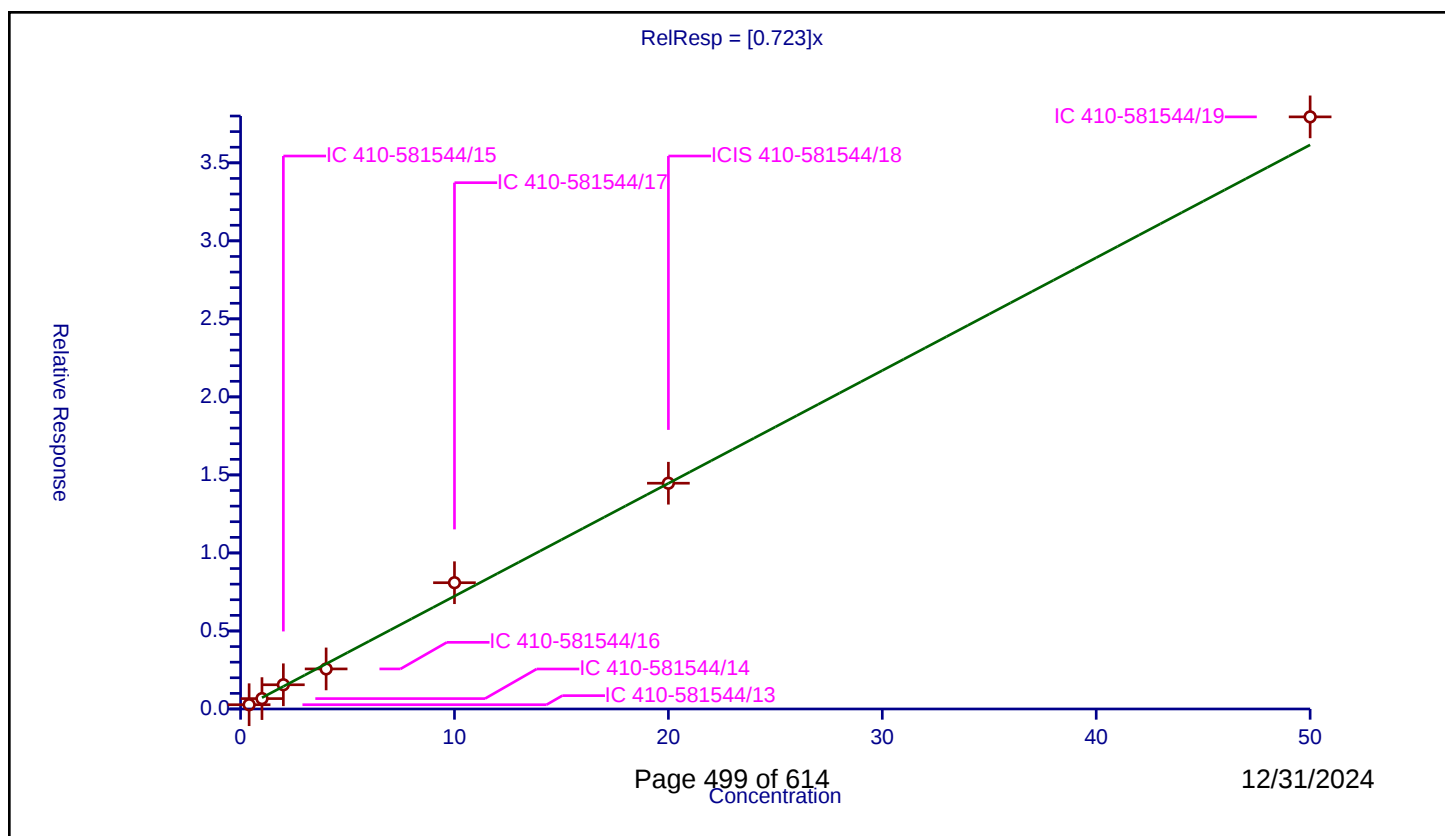
Curve Coefficients

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

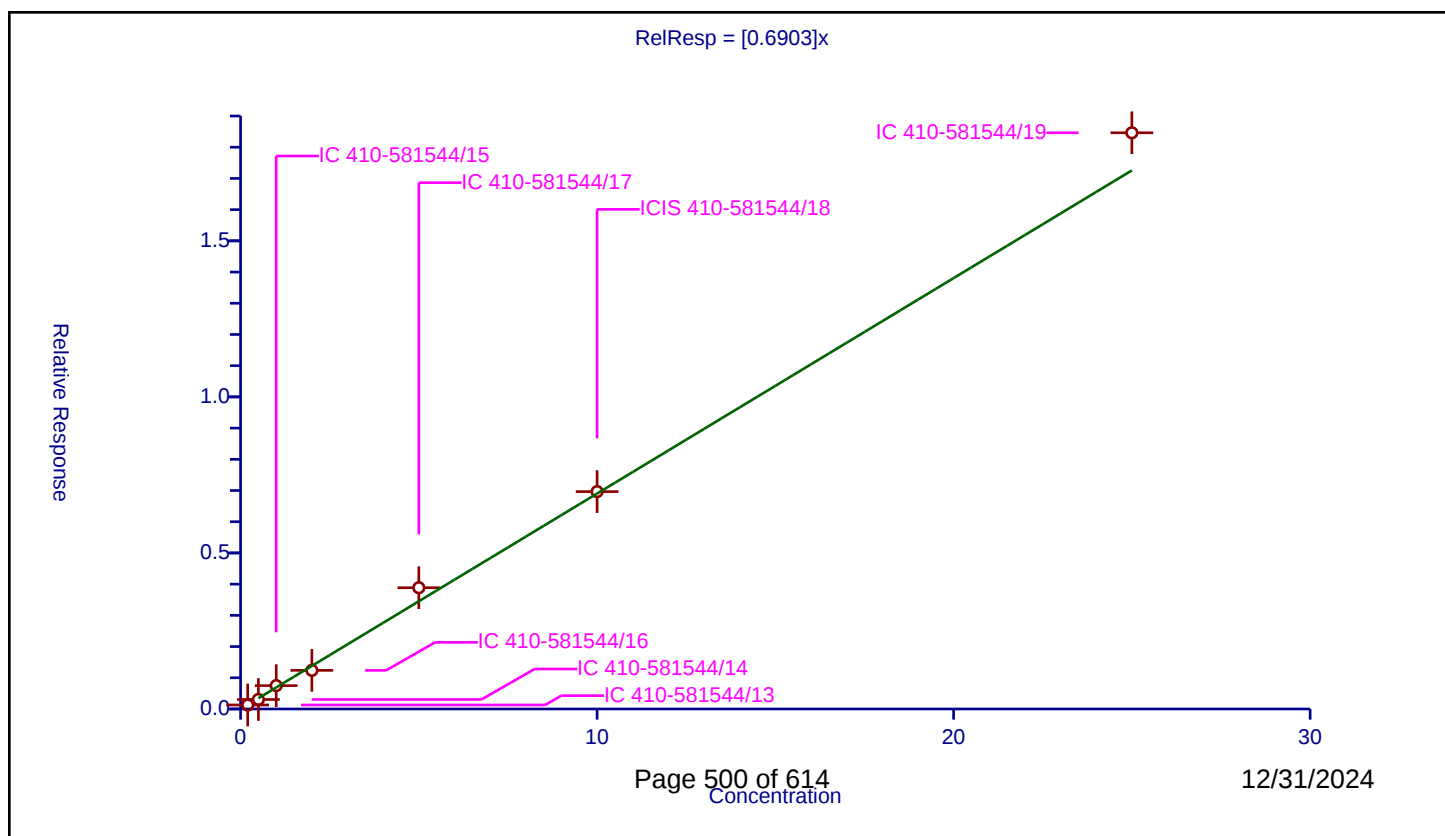
Curve Coefficients

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



Calibration

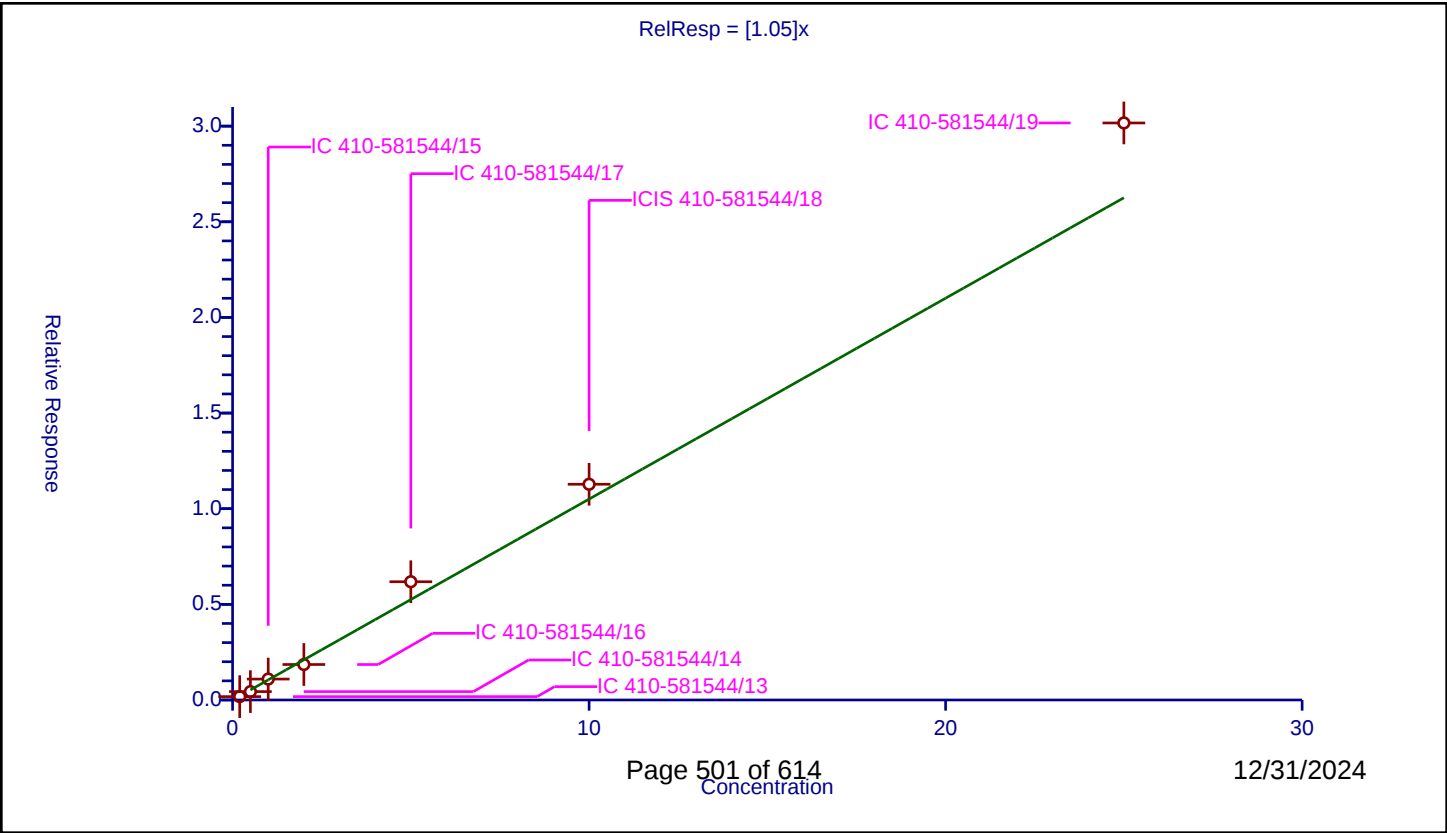
/ Styrene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.05
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

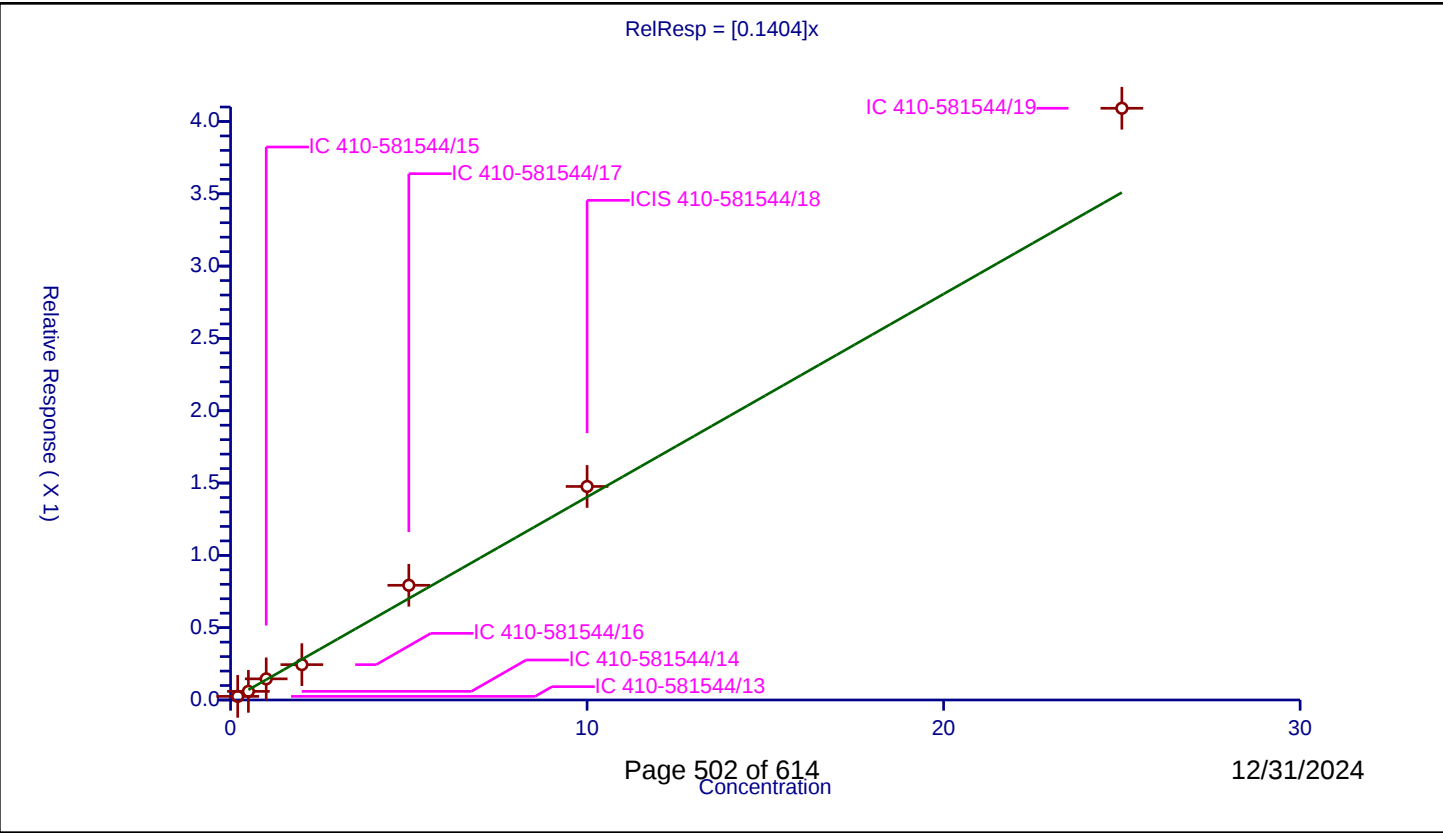
/ Bromoform

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

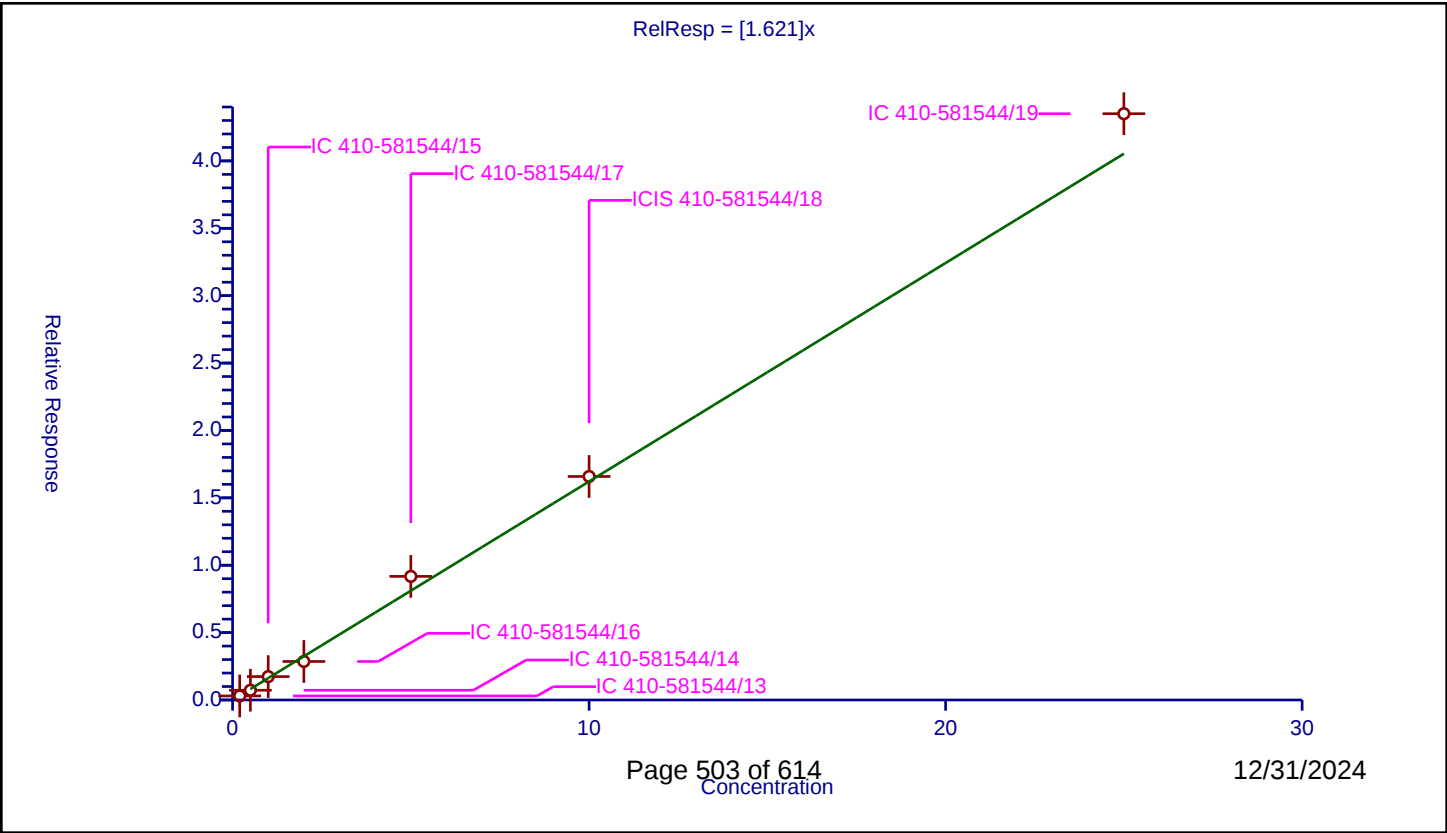


Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

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

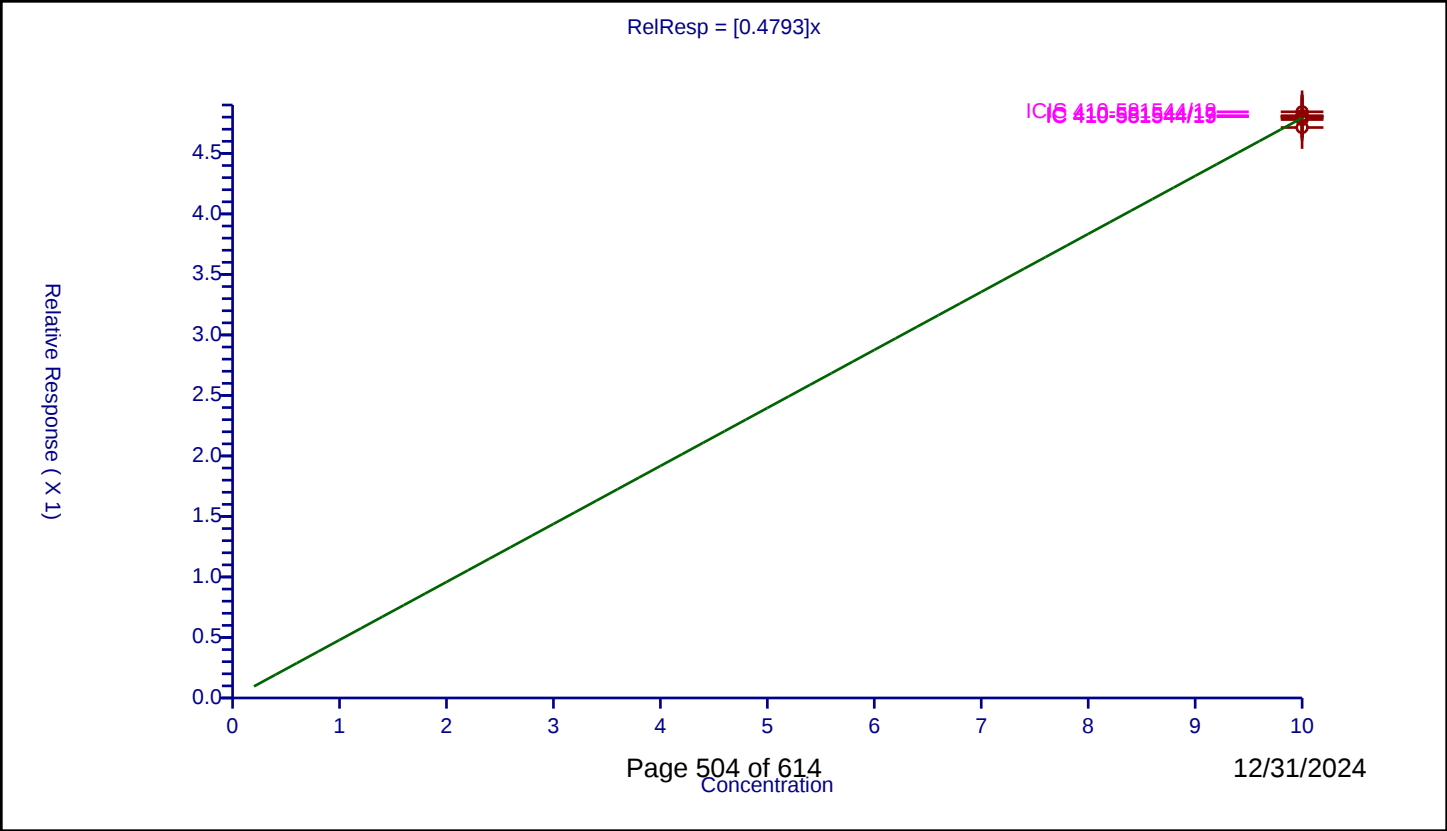
/ 4-Bromofluorobenzene (Surr)

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

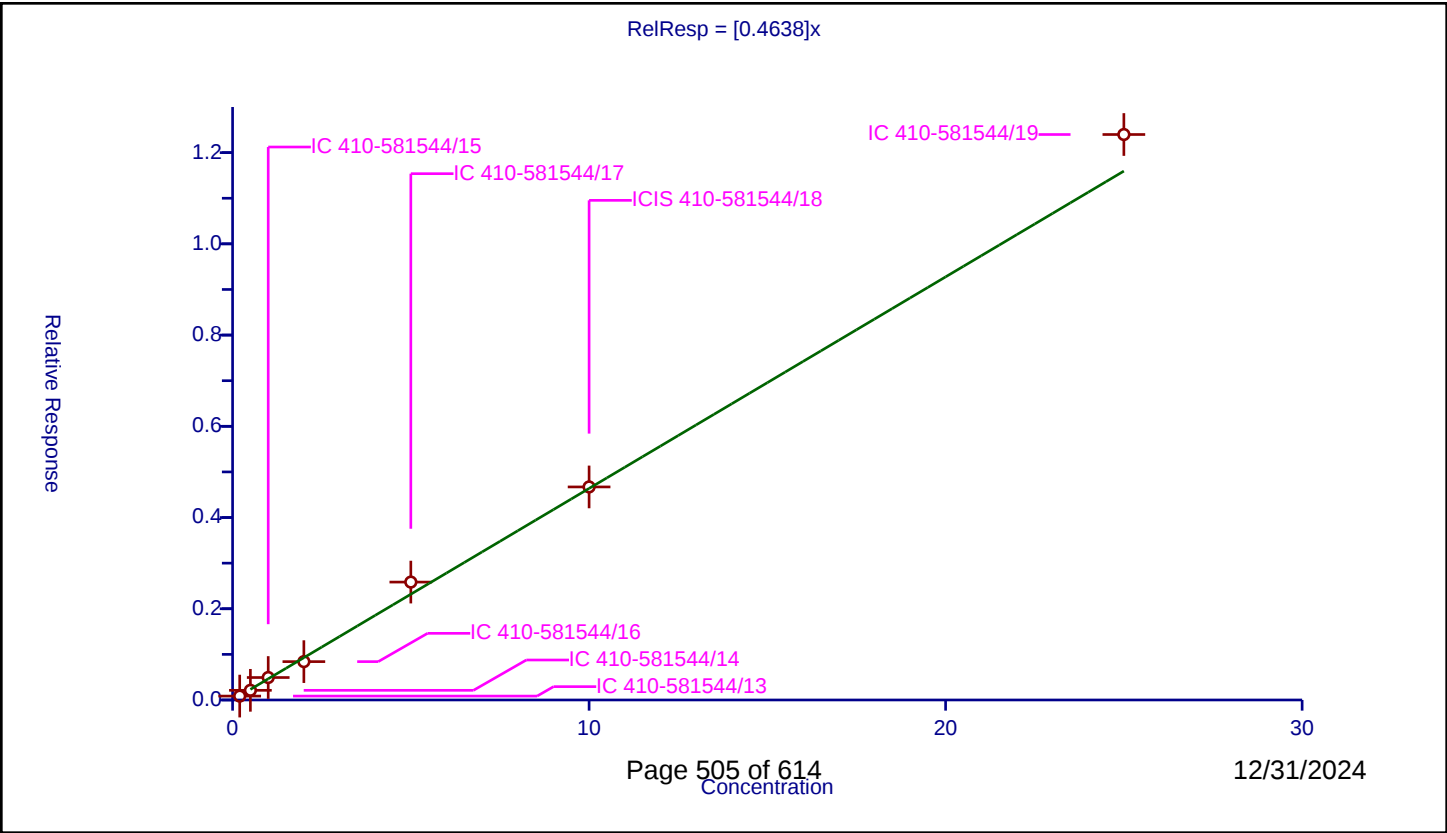
/ 1,1,2,2-Tetrachloroethane

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

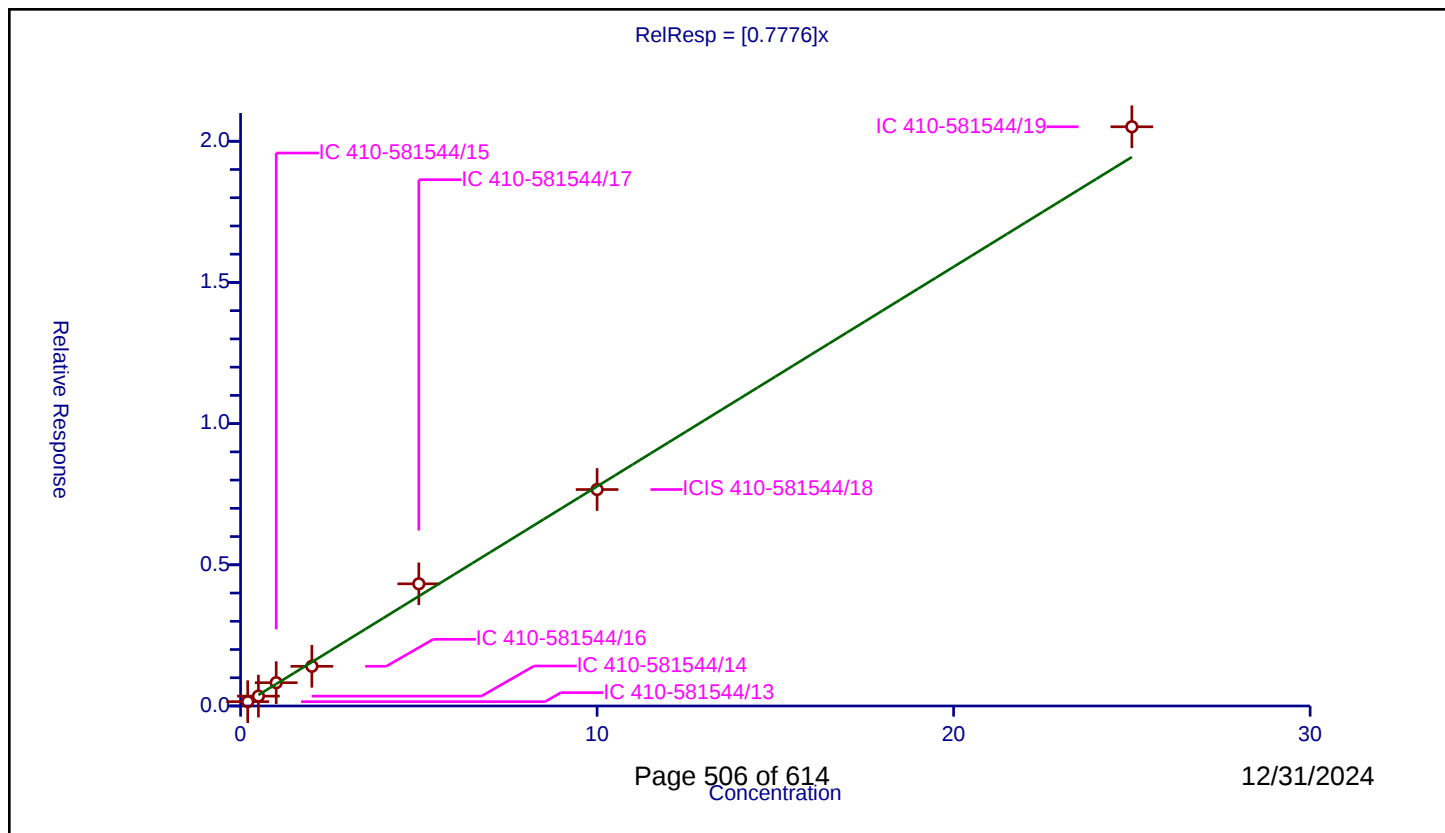
Curve Coefficients

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

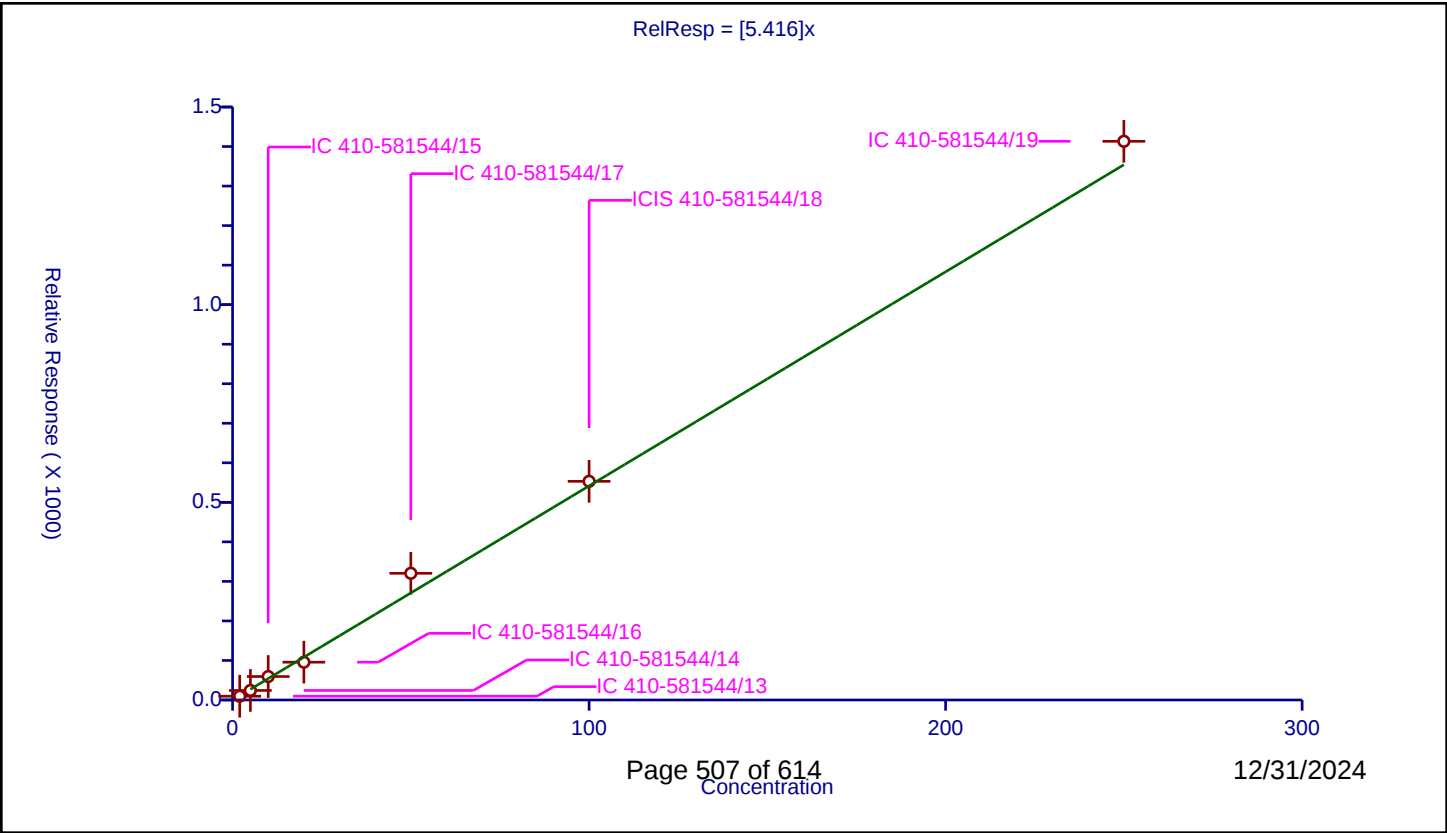
/ trans-1,4-Dichloro-2-butene

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

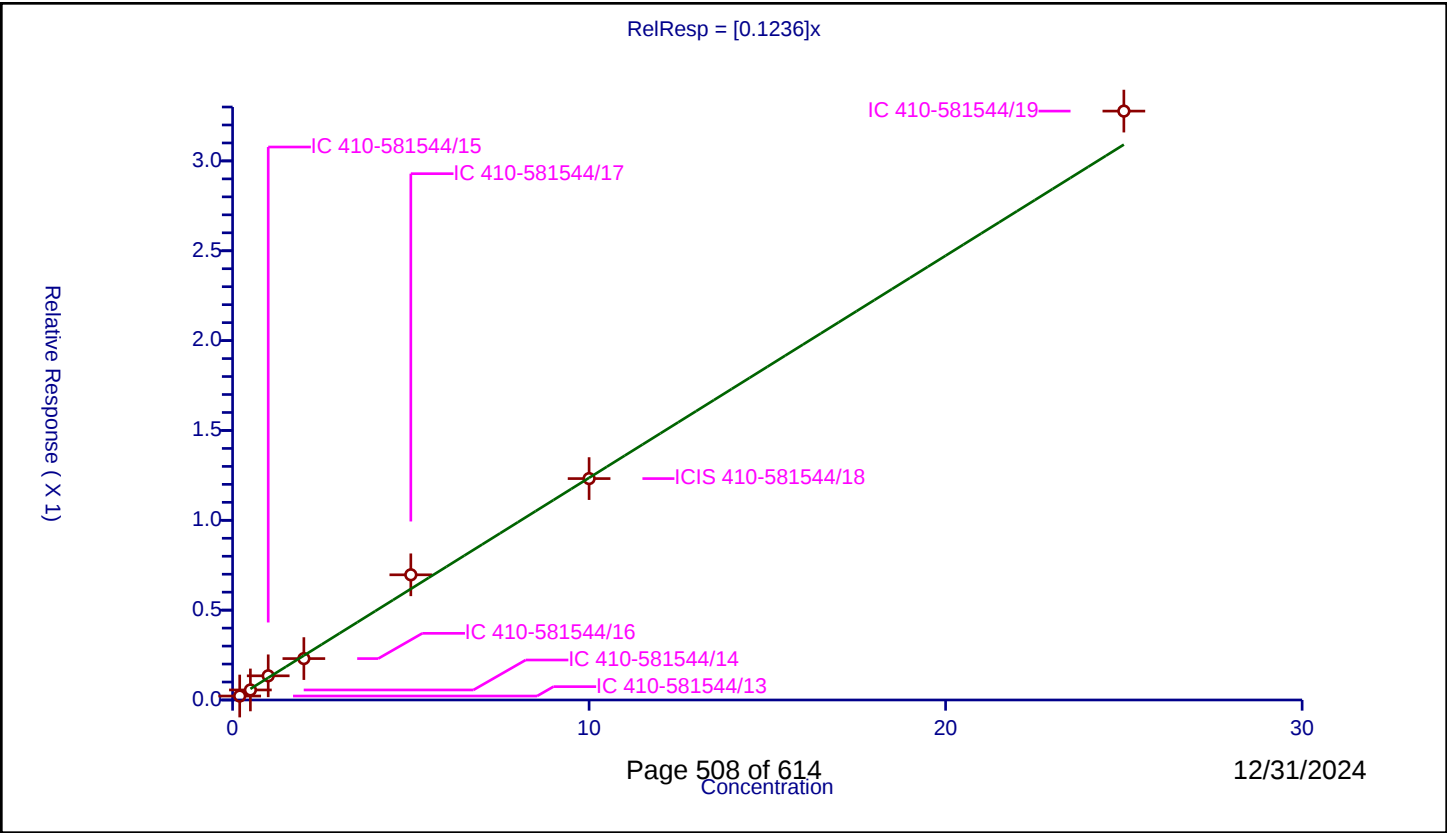
/ 1,2,3-Trichloropropane

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

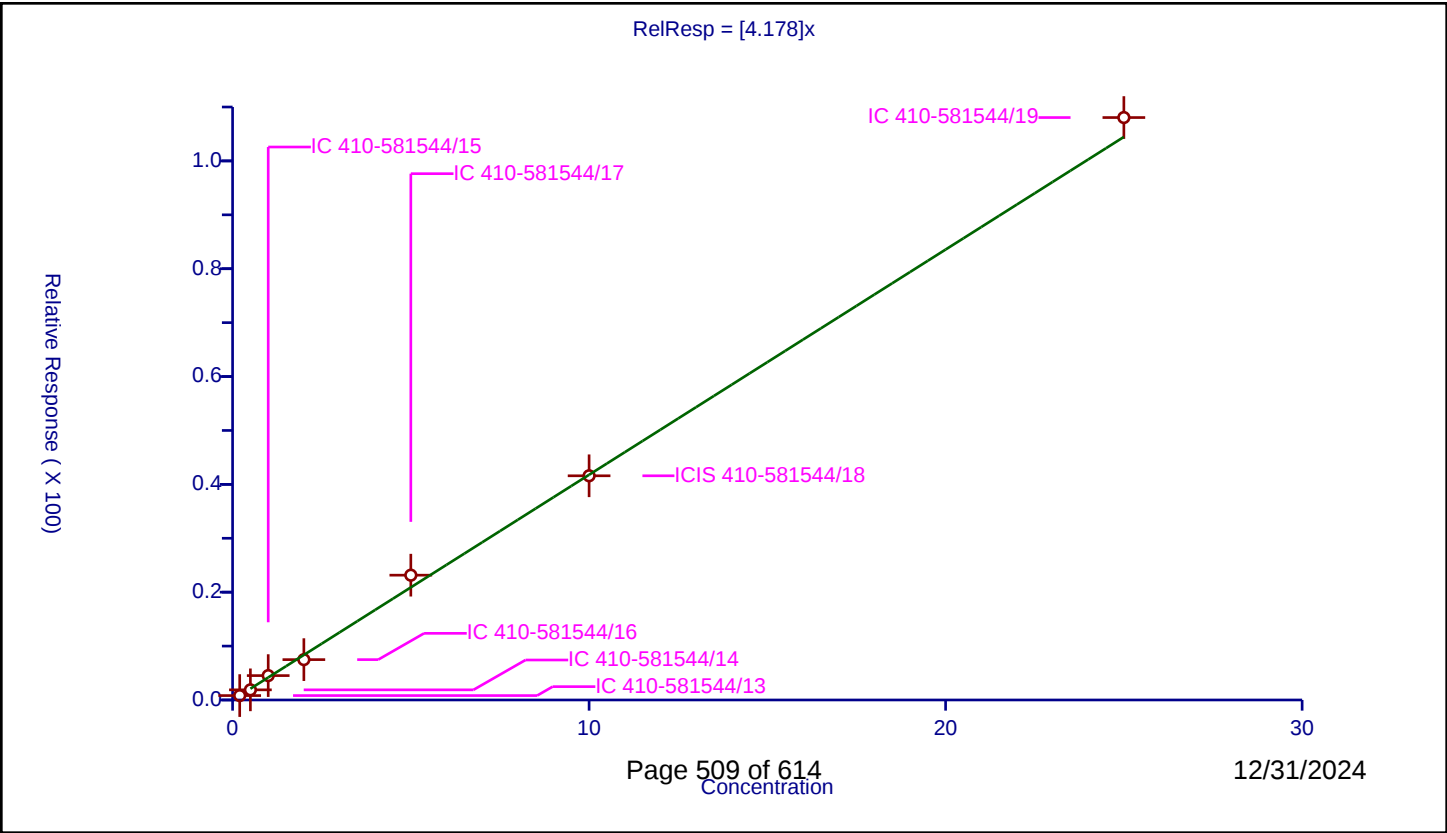
/ N-Propylbenzene

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



Calibration

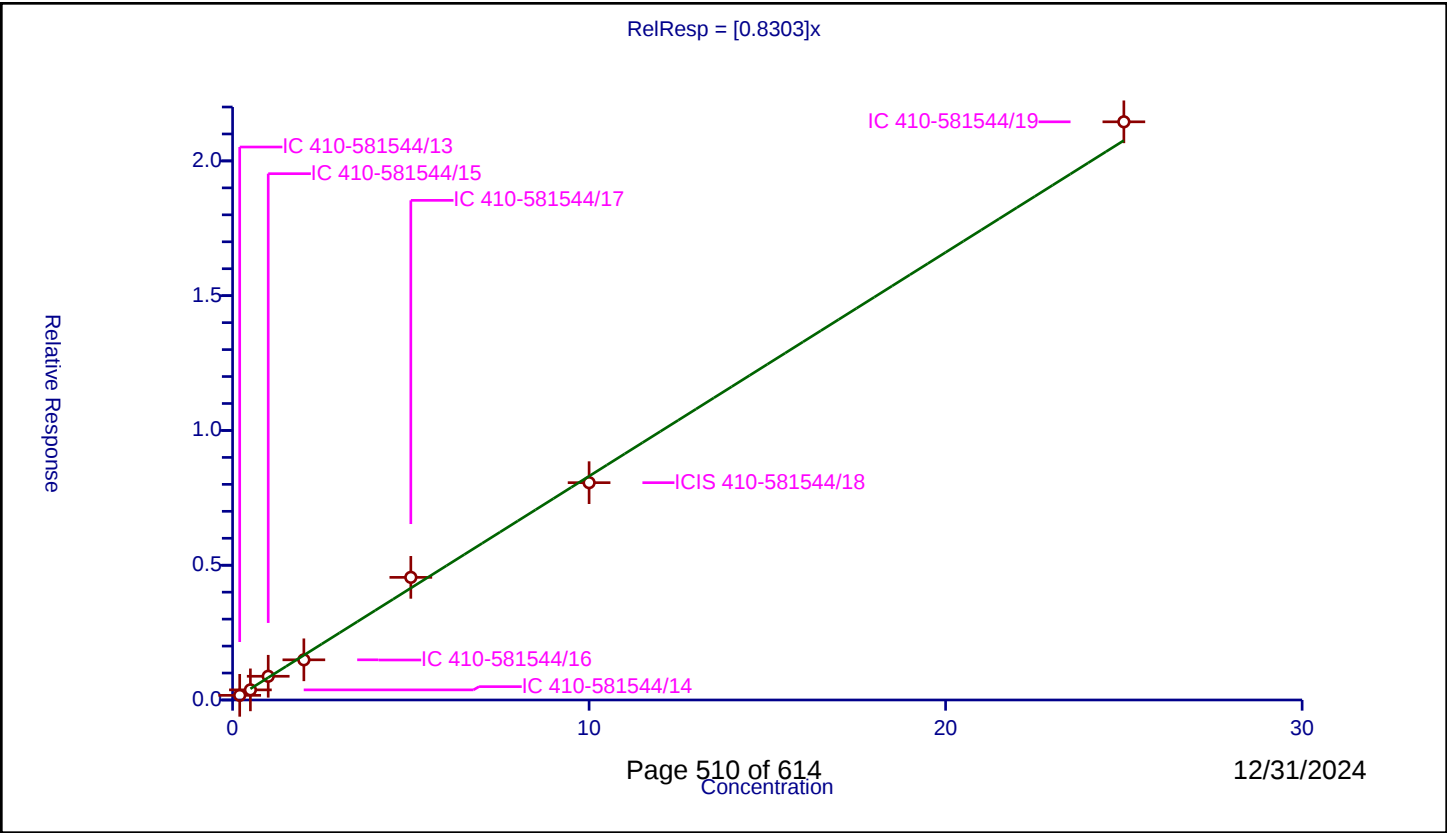
/ 2-Chlorotoluene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.8303
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

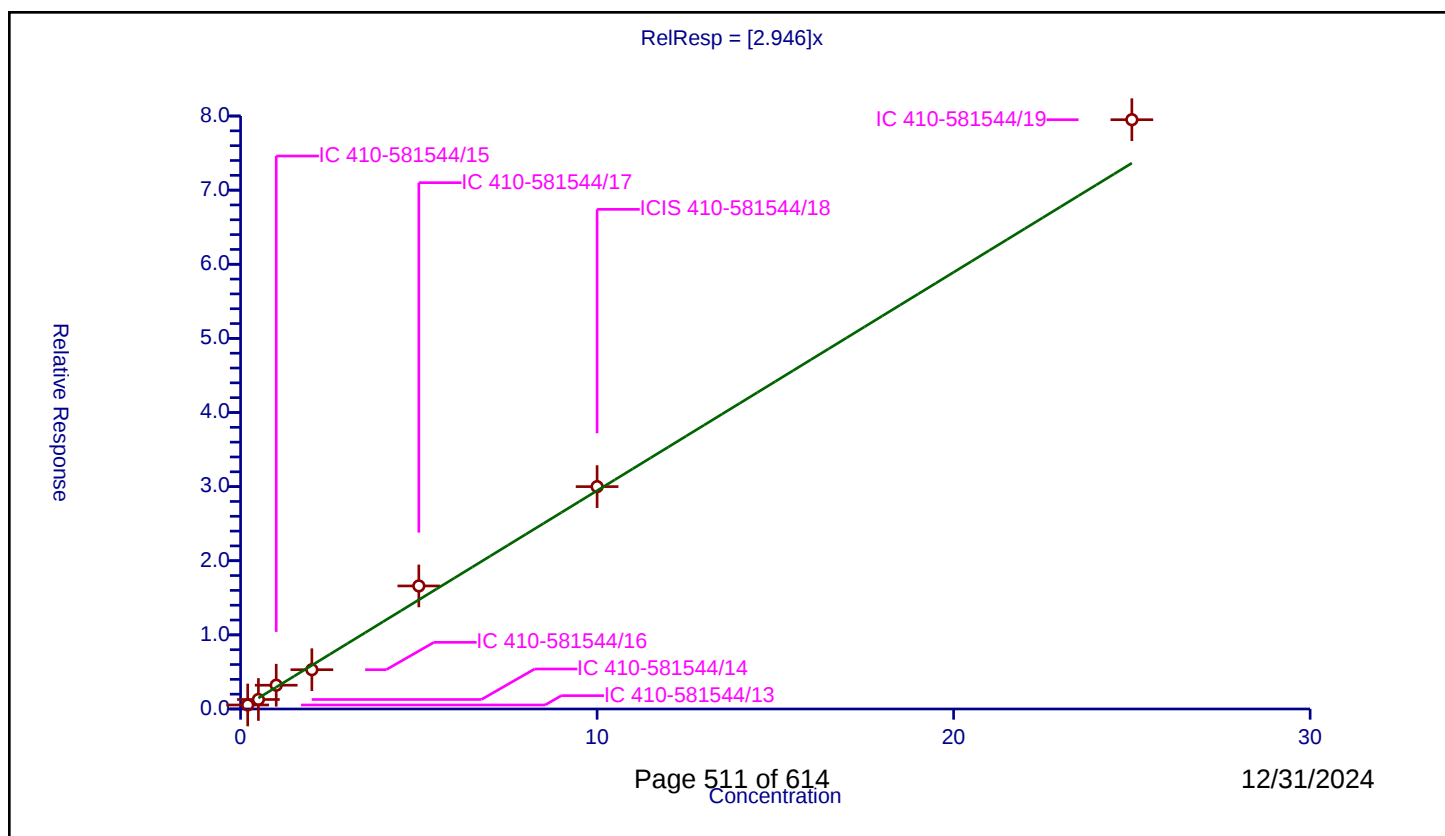
Curve Coefficients

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

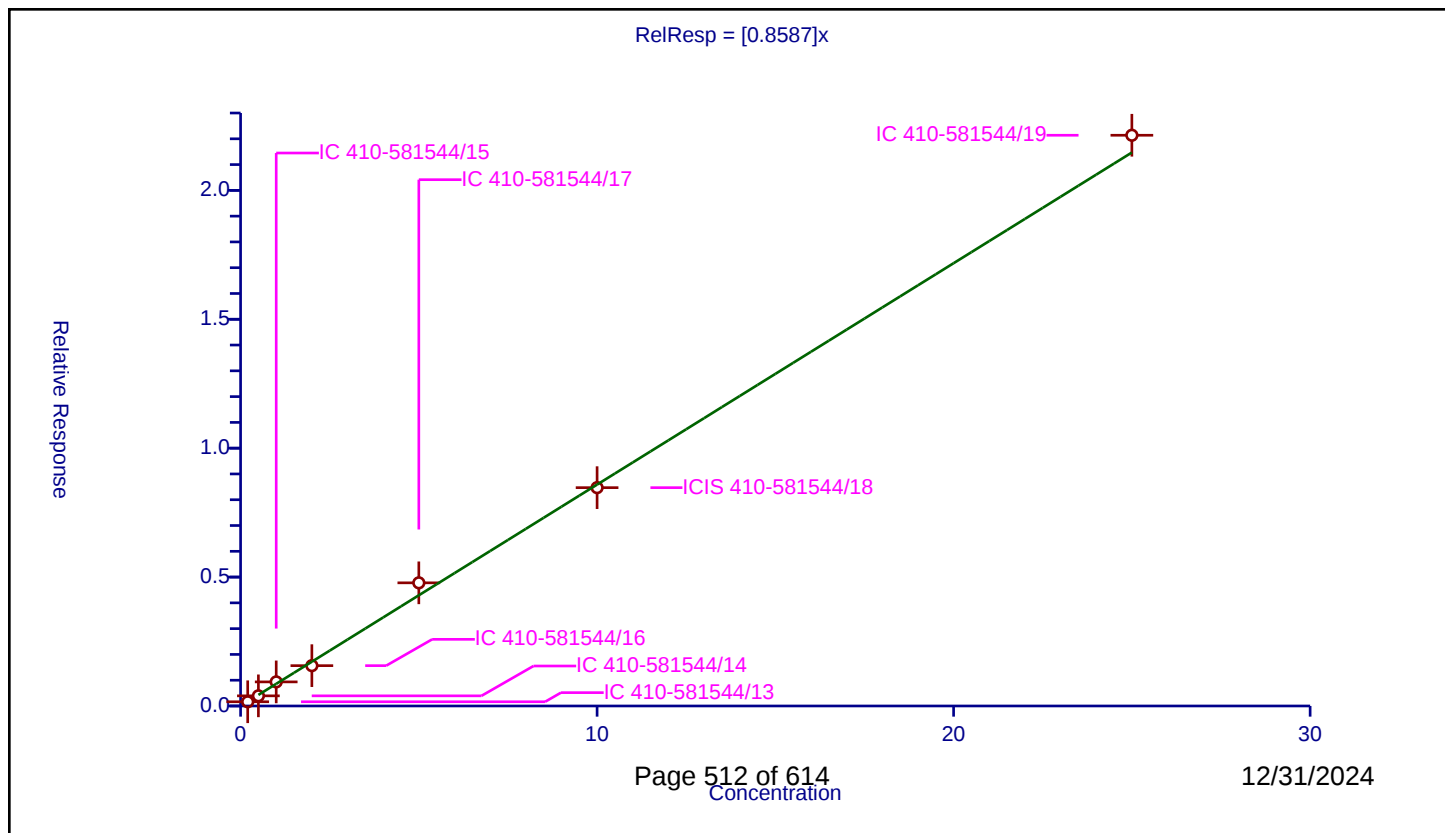
Curve Coefficients

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

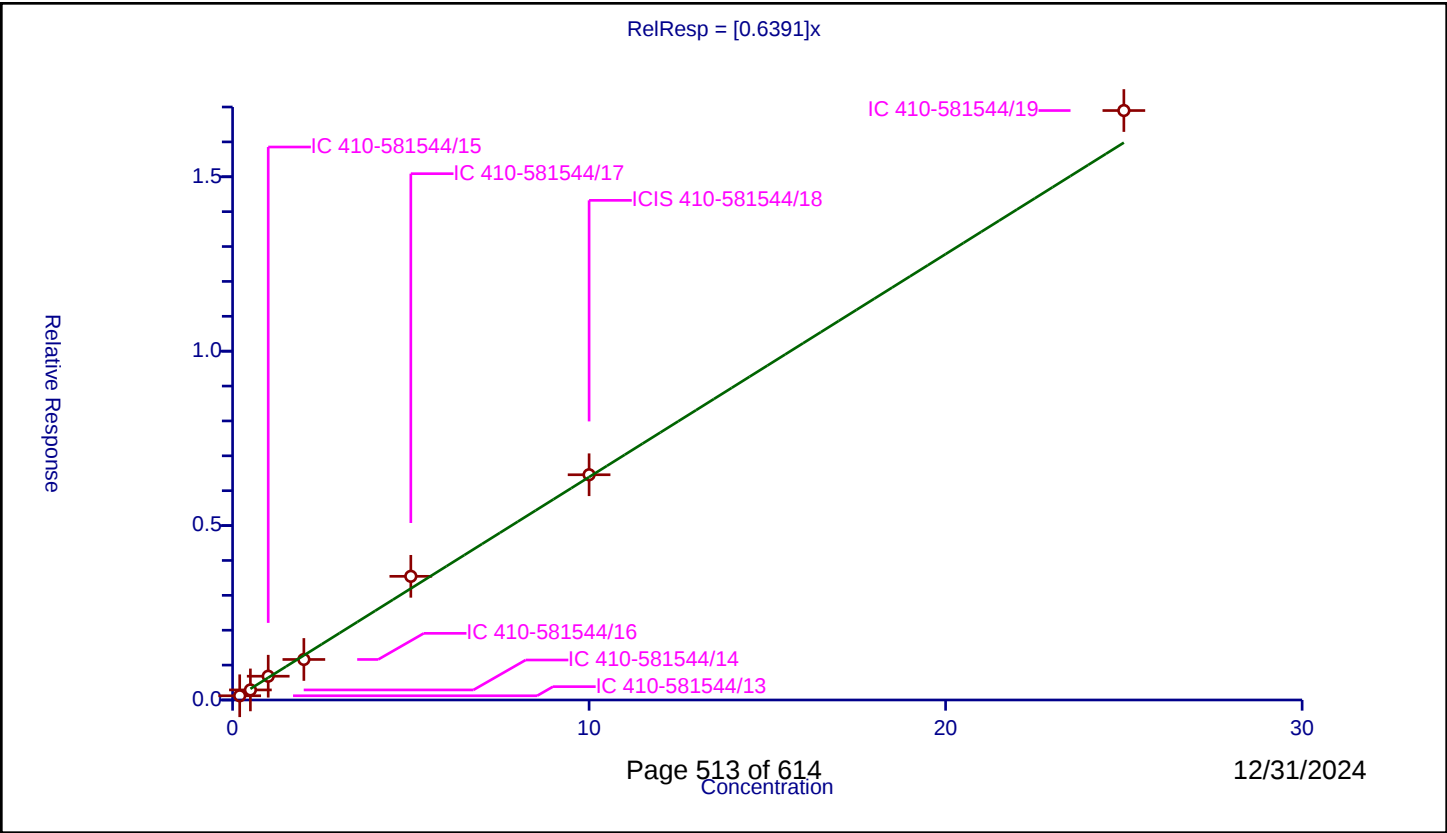
/ tert-Butylbenzene

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



Calibration

/ Pentachloroethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

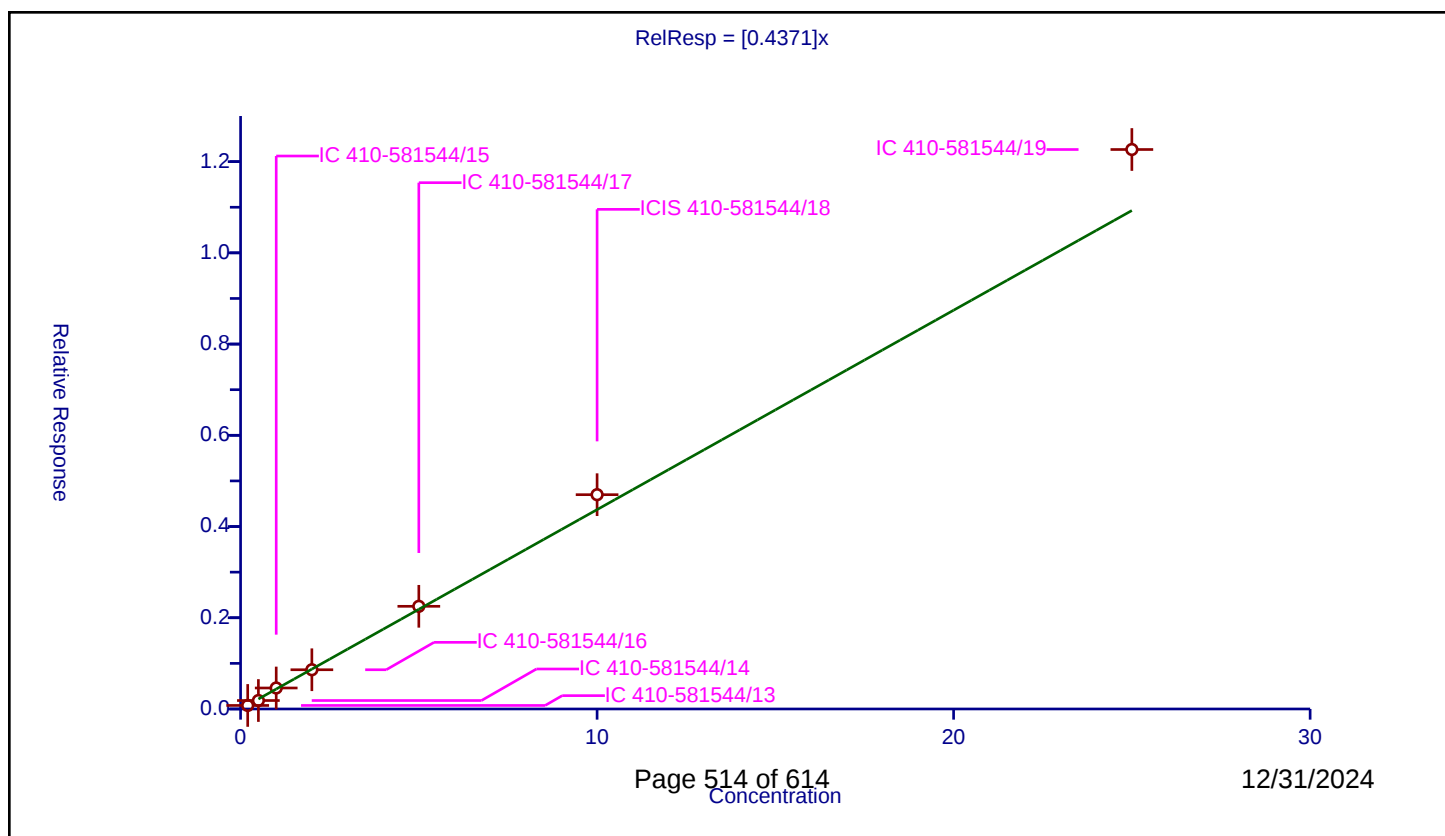
Curve Coefficients

Intercept: 0
Slope: 0.4371

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

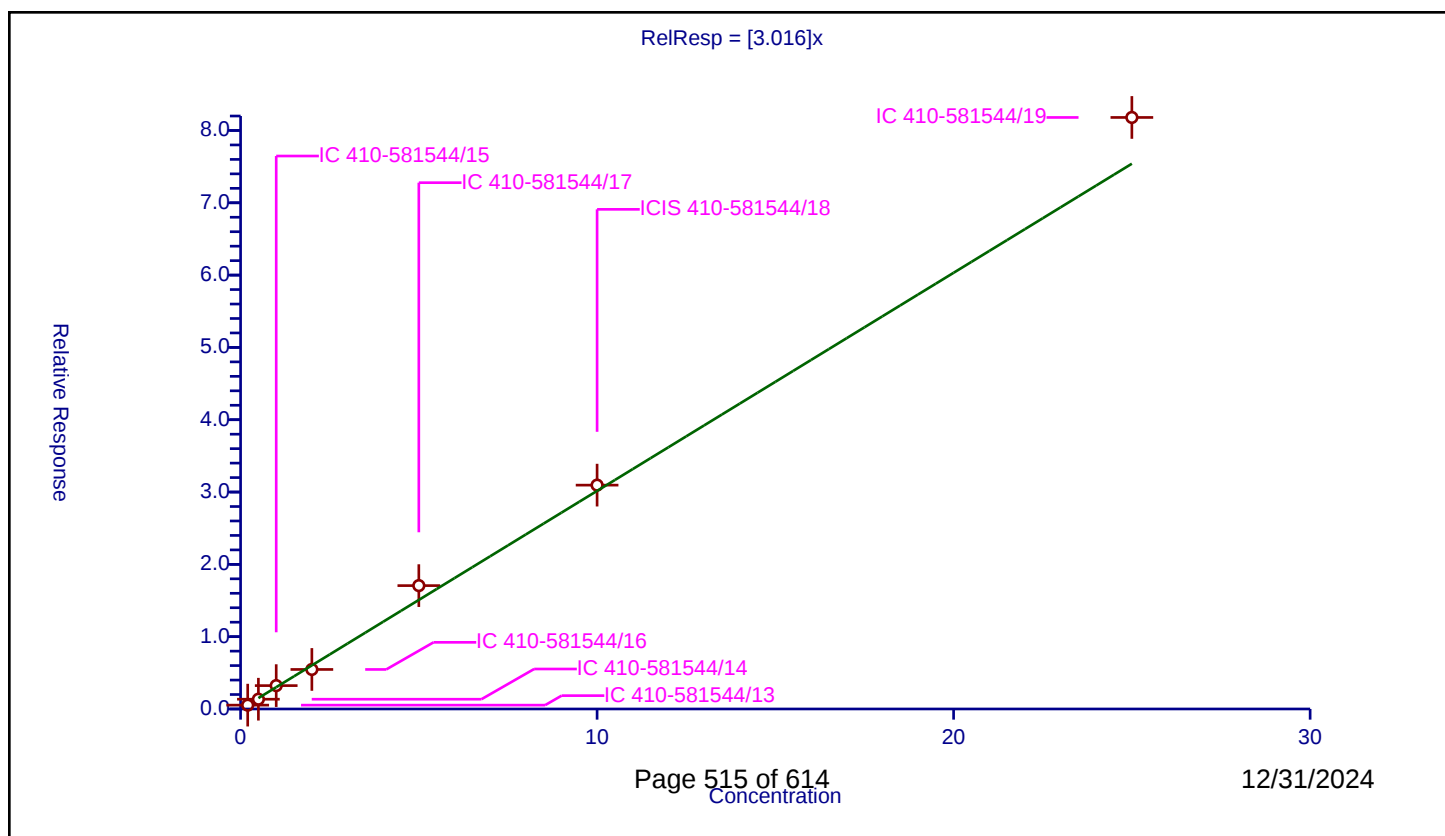
Curve Coefficients

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

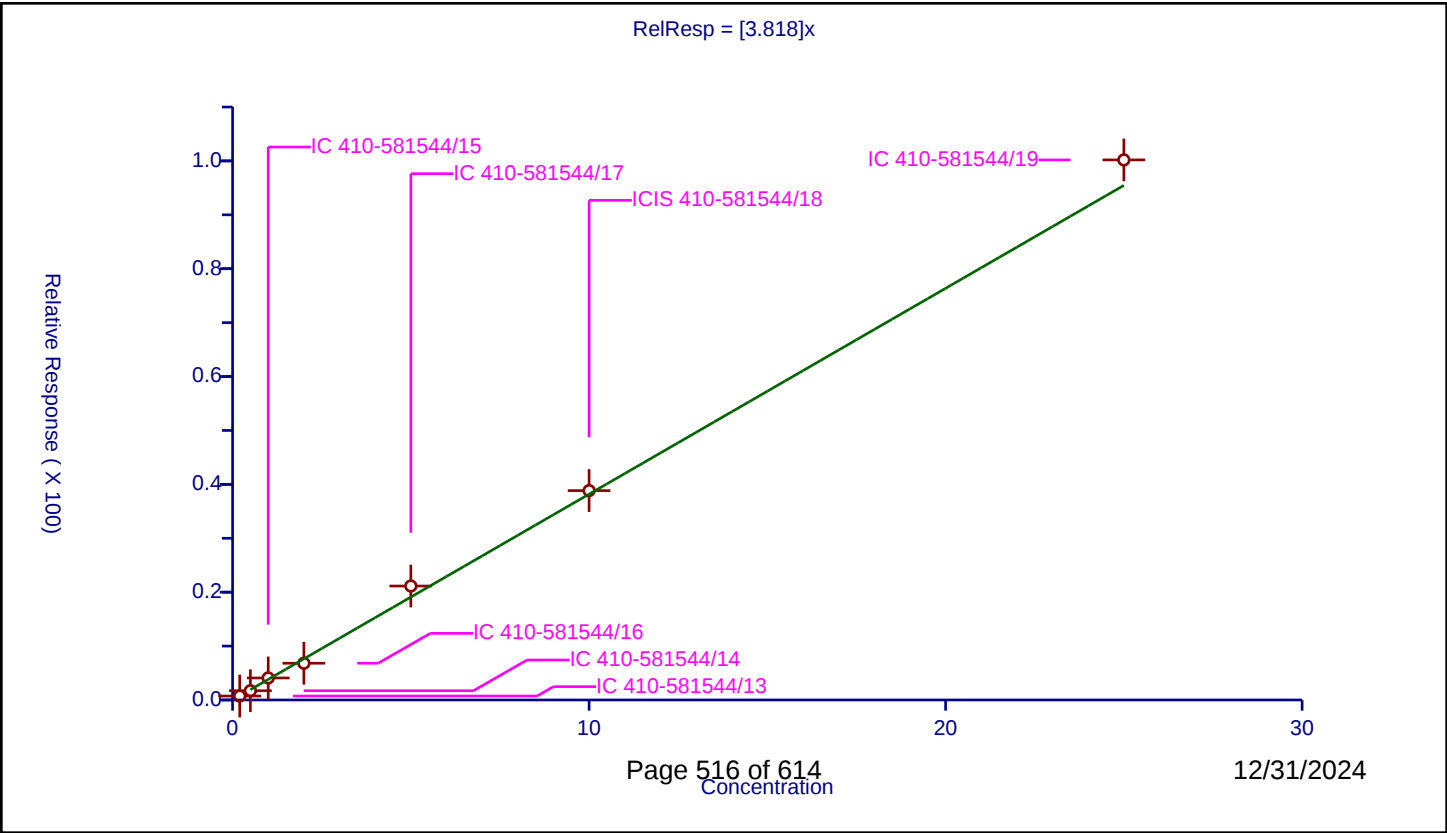
Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

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



Calibration

/ 1,3-Dichlorobenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

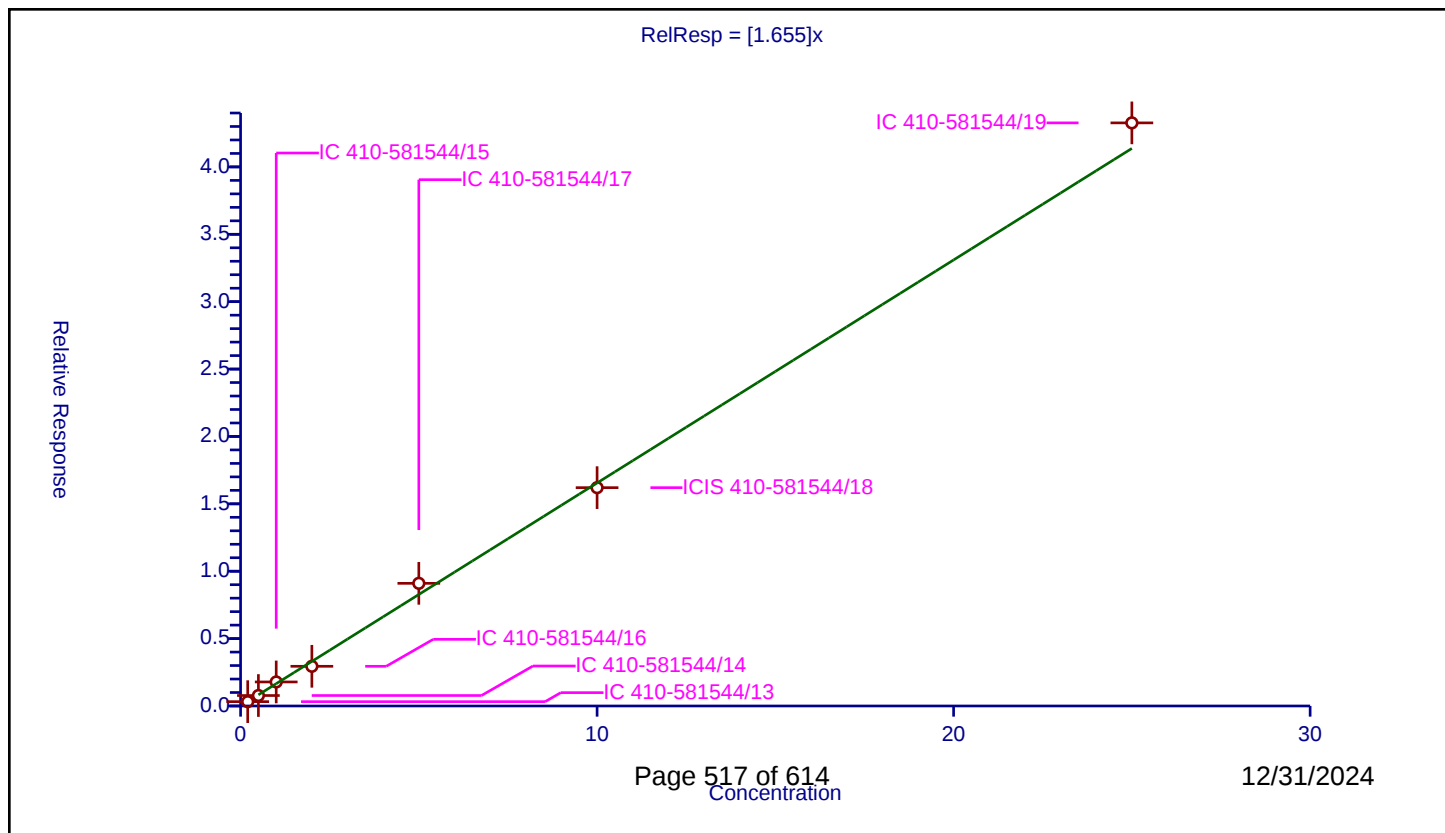
Curve Coefficients

Intercept: 0
 Slope: 1.655

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

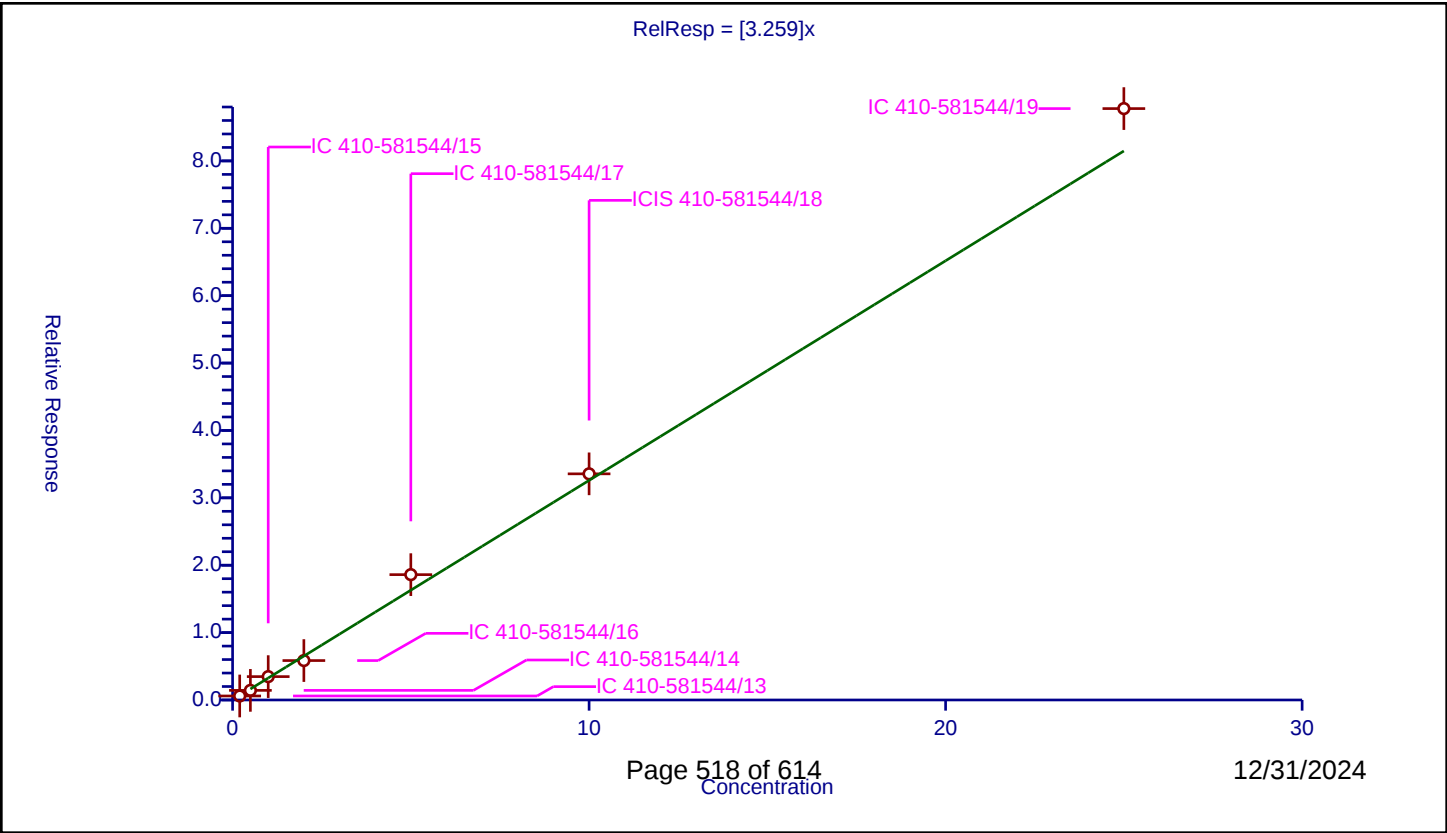
/ 4-Isopropyltoluene

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

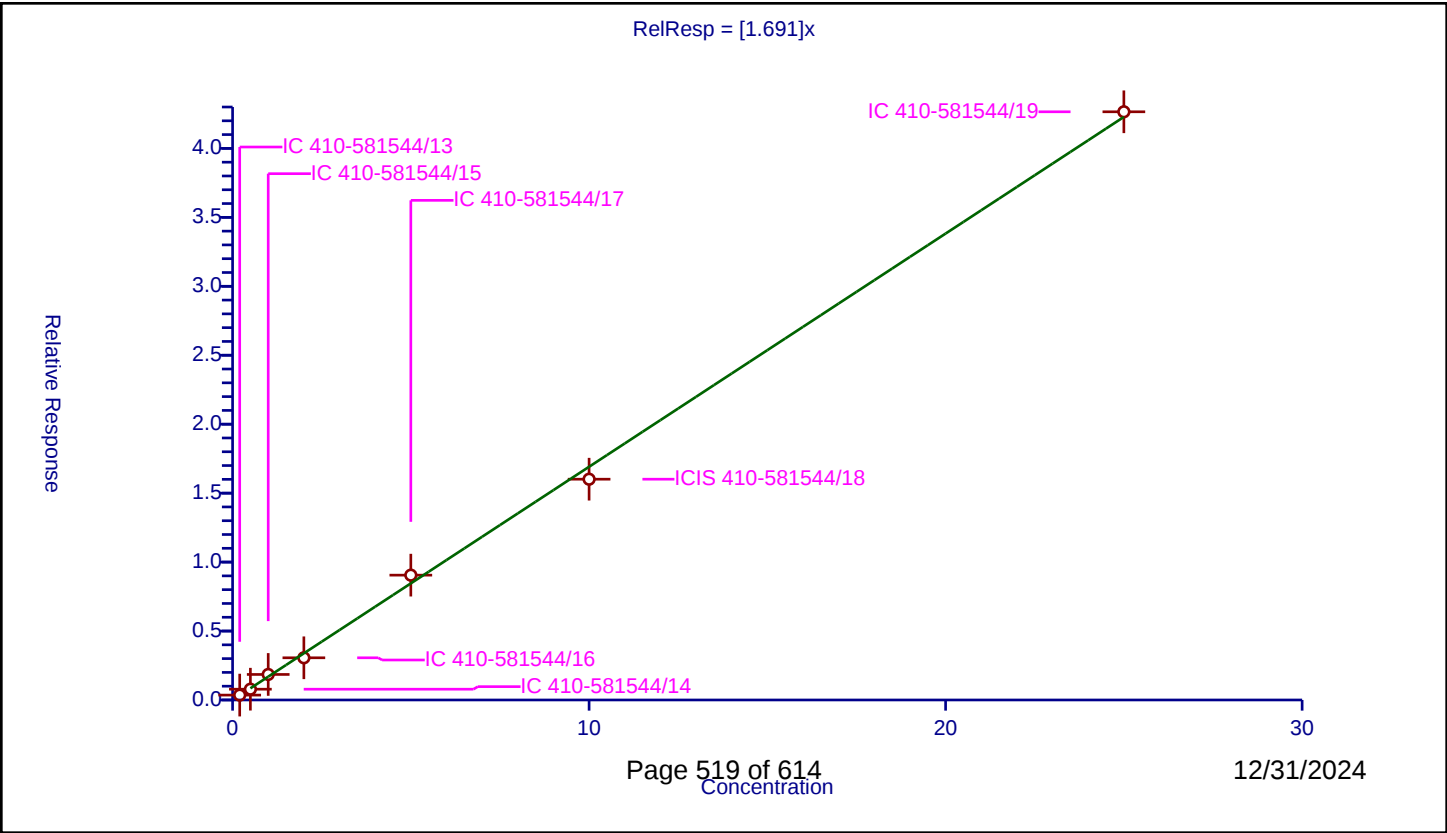
/ 1,4-Dichlorobenzene

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

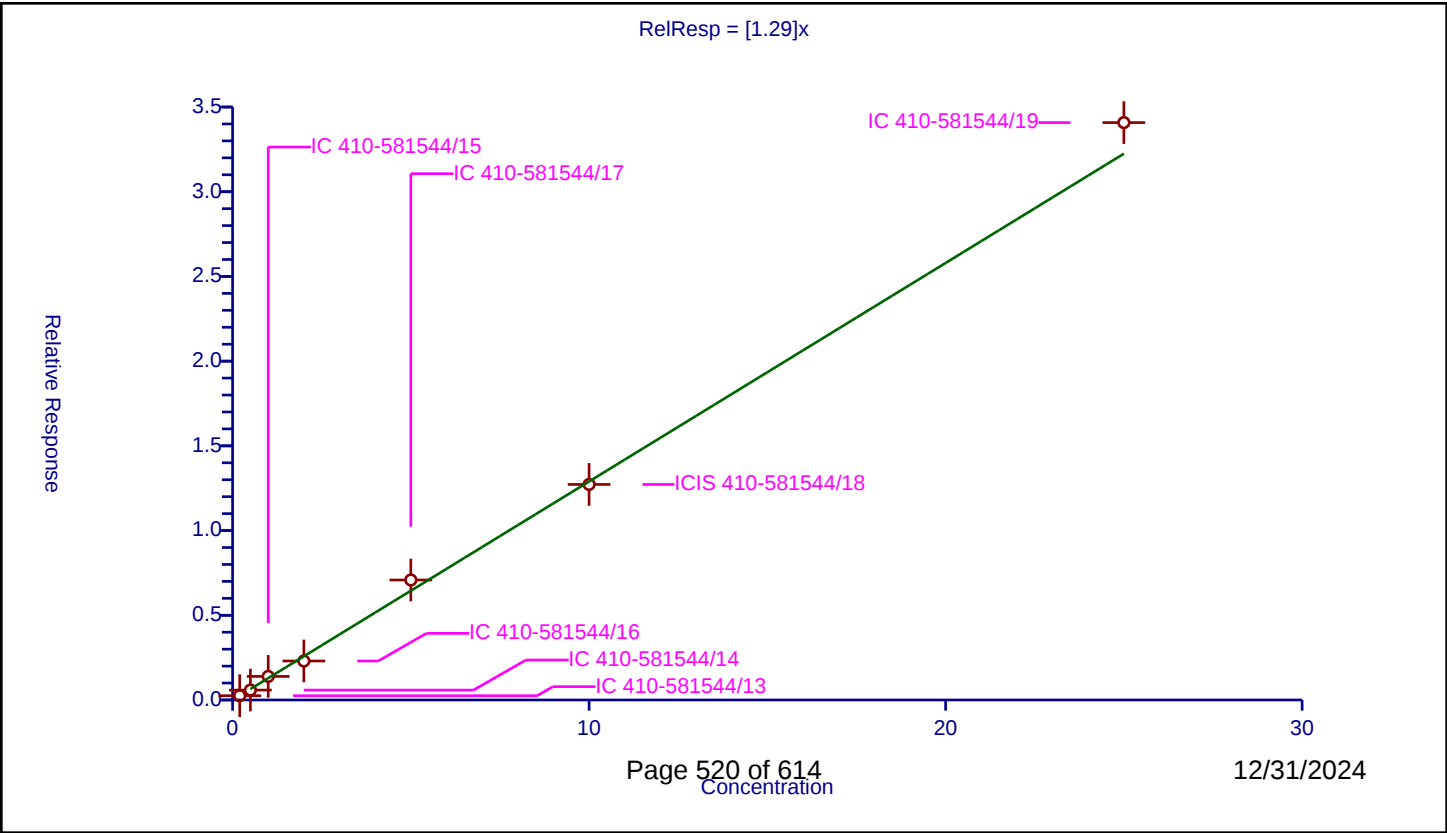
/ 1,2,3-Trimethylbenzene

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

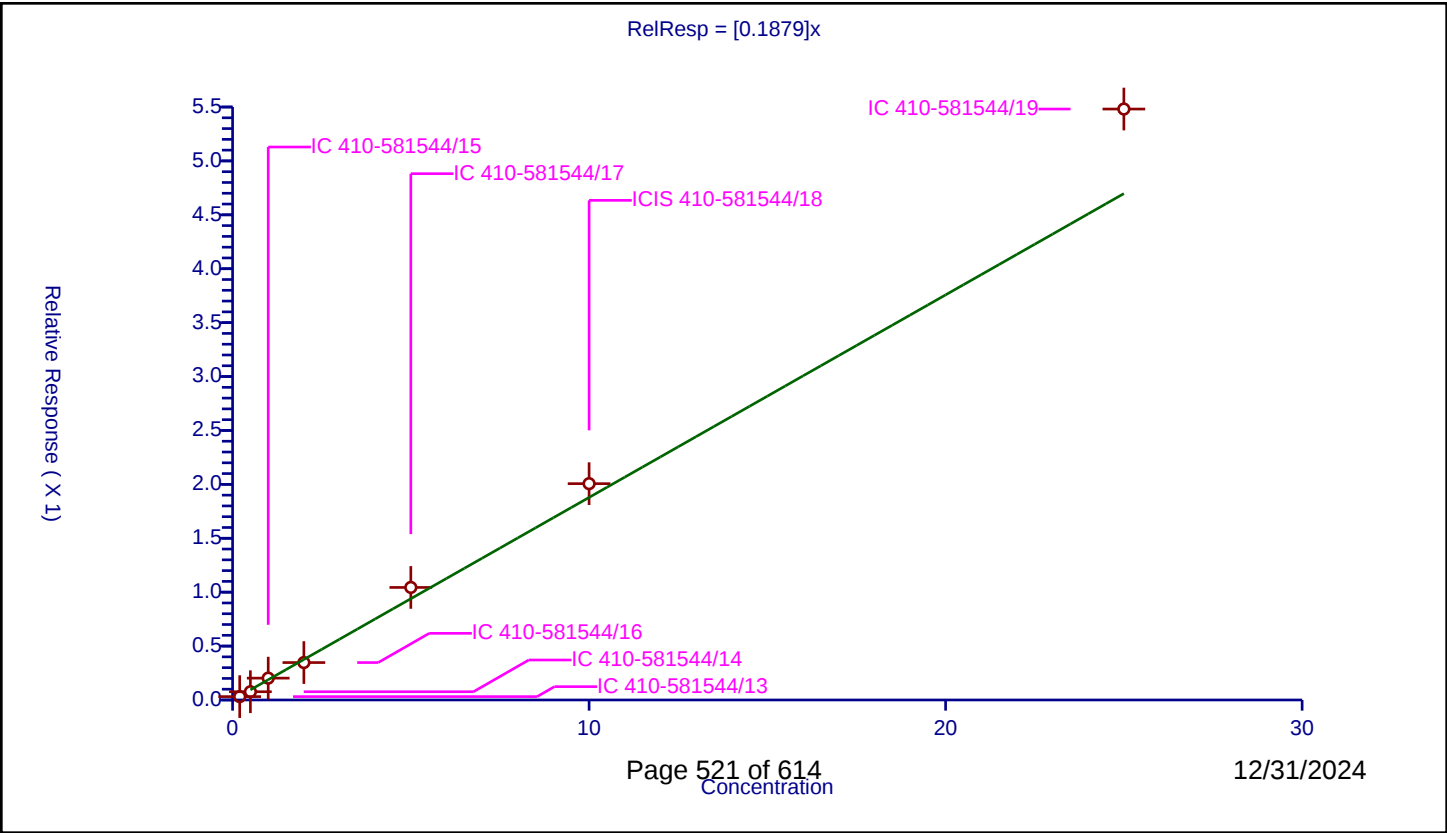
/ Benzyl chloride

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

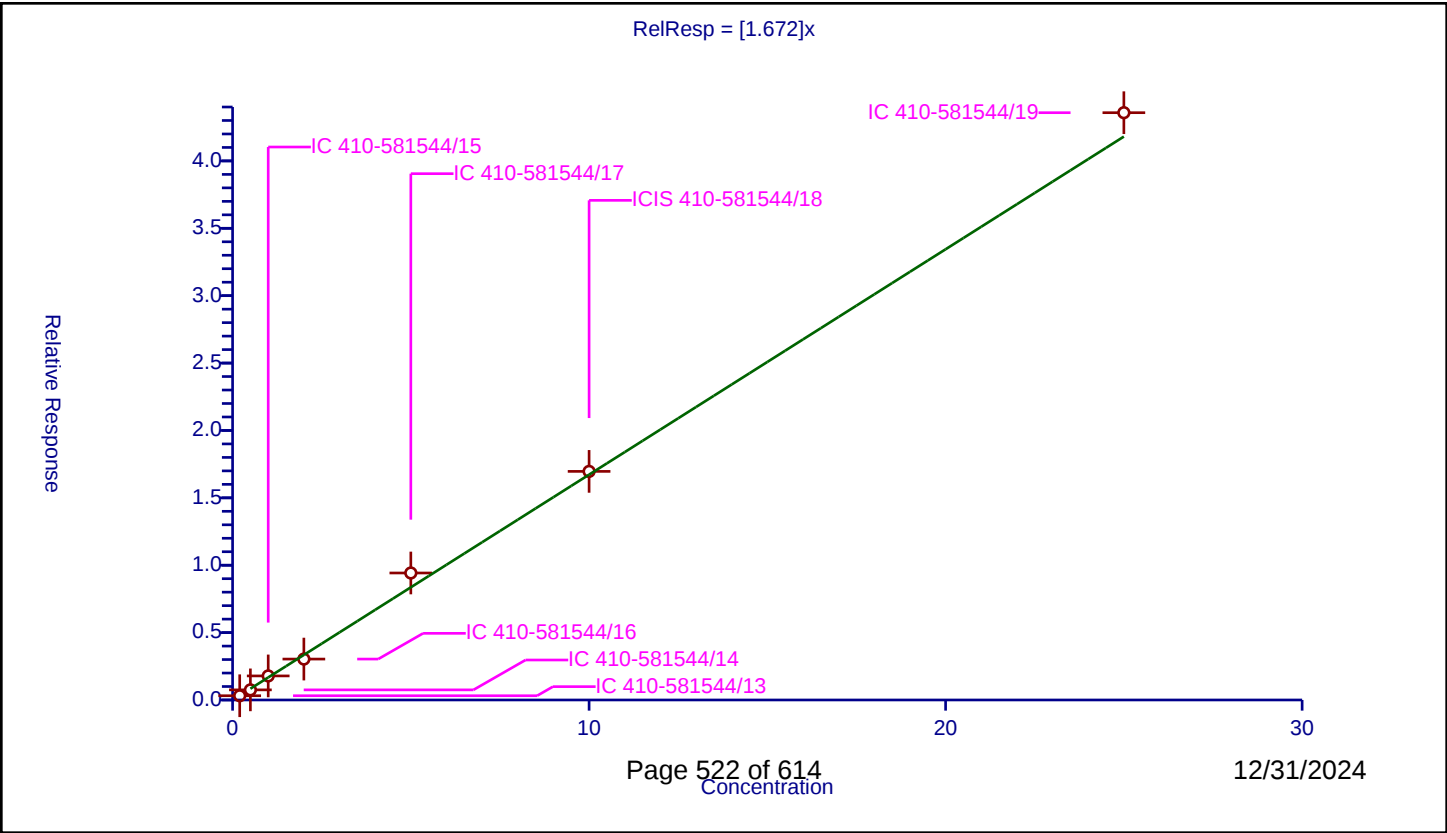
/ n-Butylbenzene

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

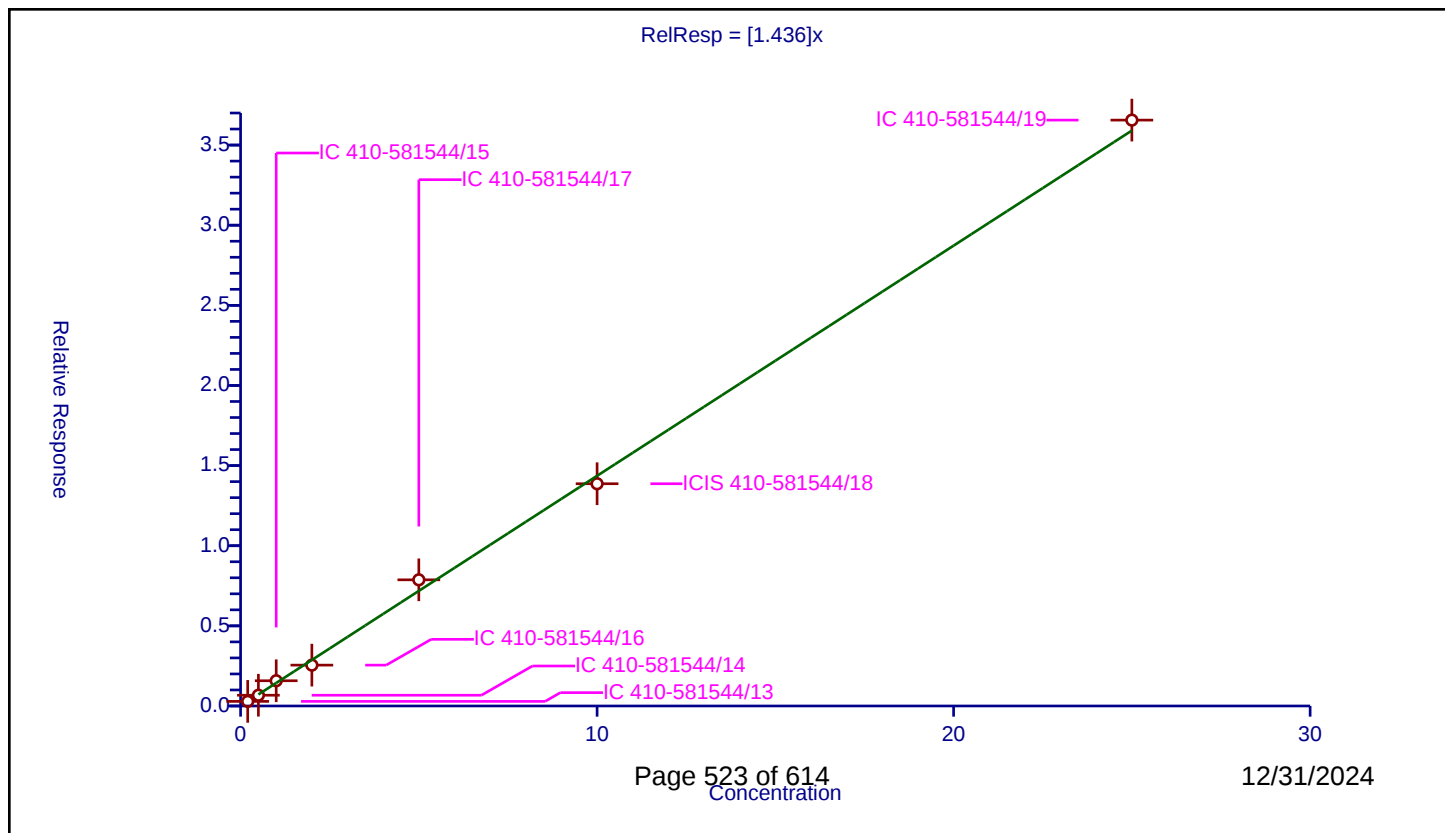
Curve Coefficients

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

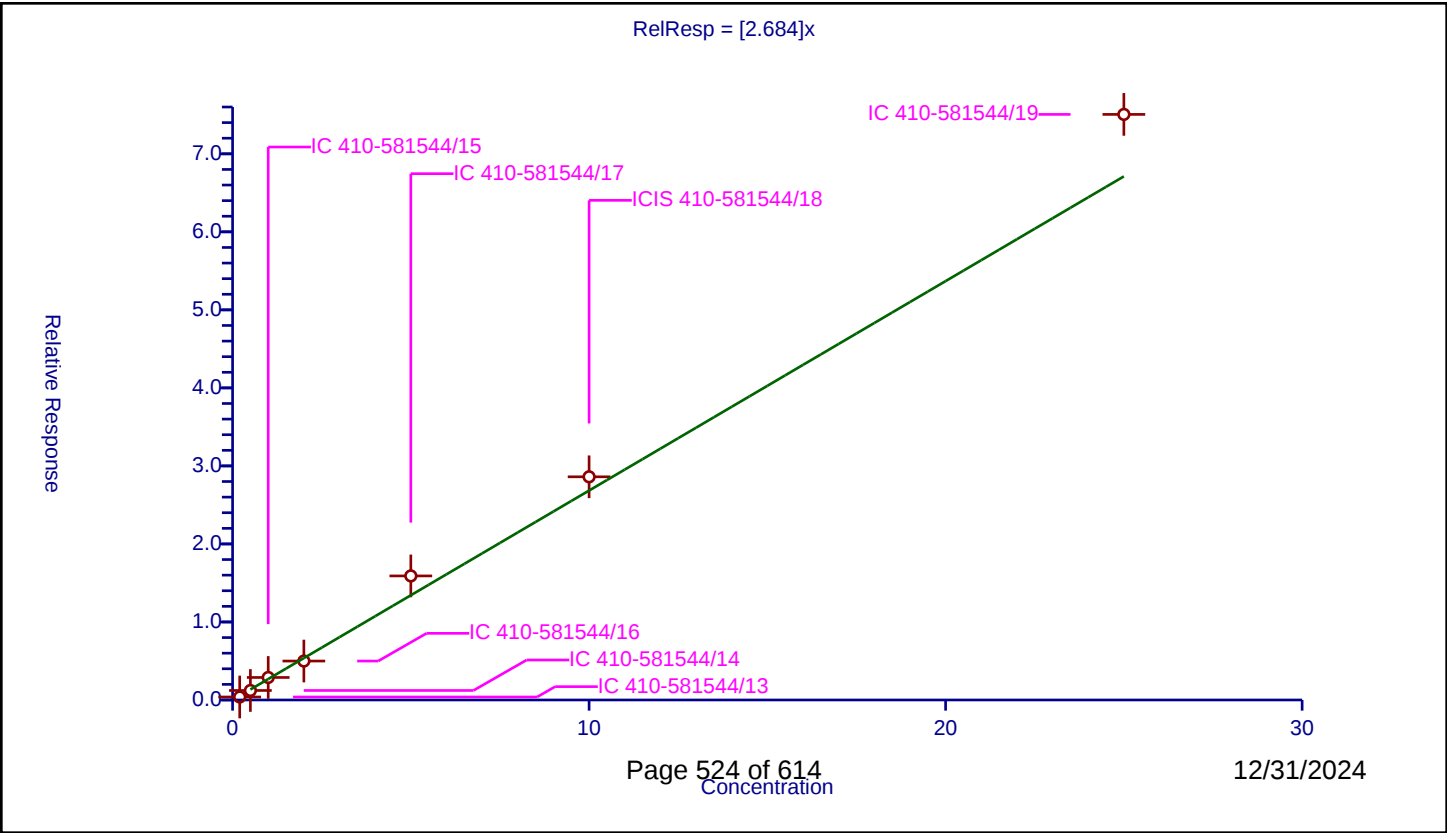
/ 1,2-Dibromo-3-Chloropropane

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

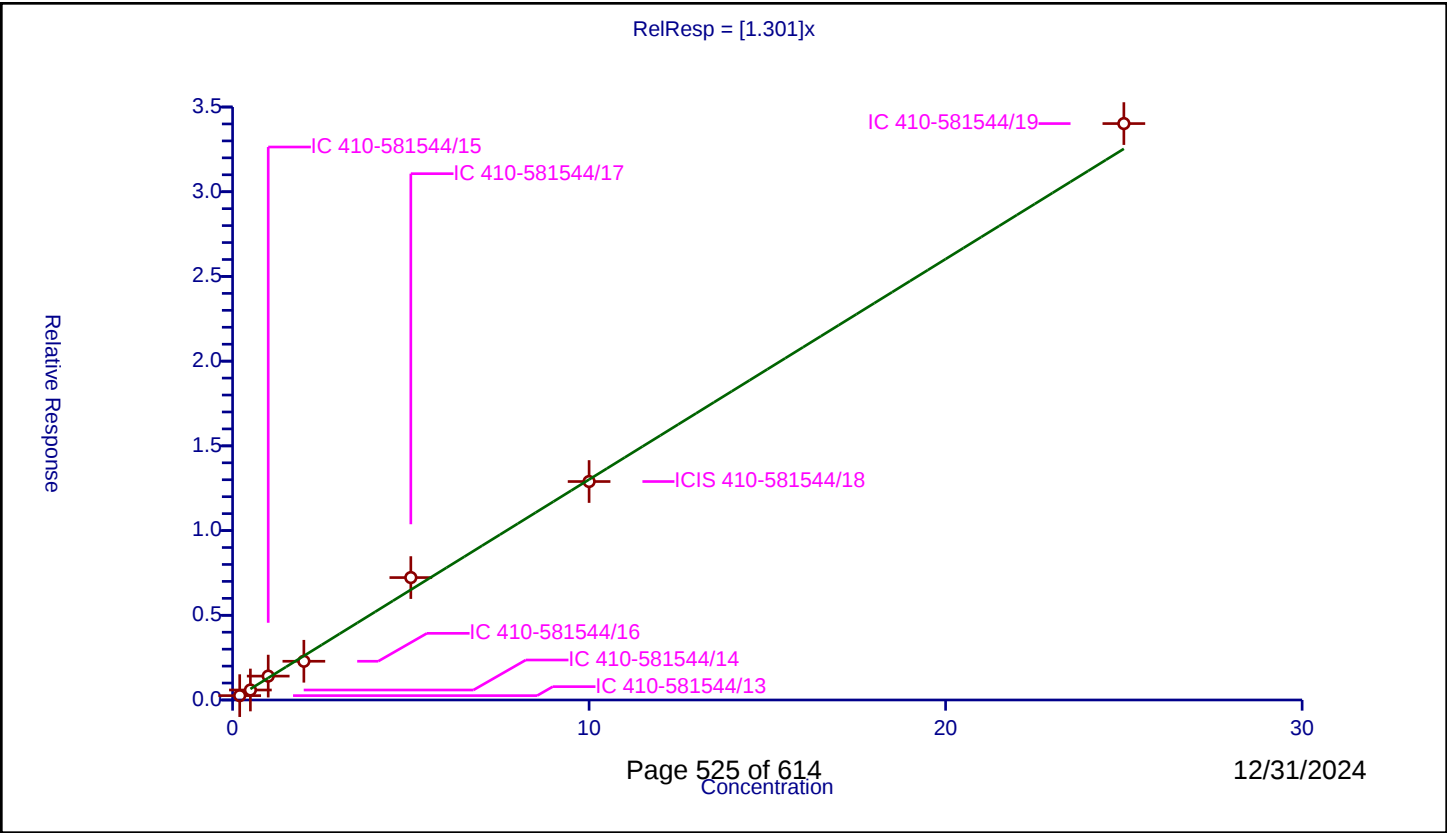
/ 1,3,5-Trichlorobenzene

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

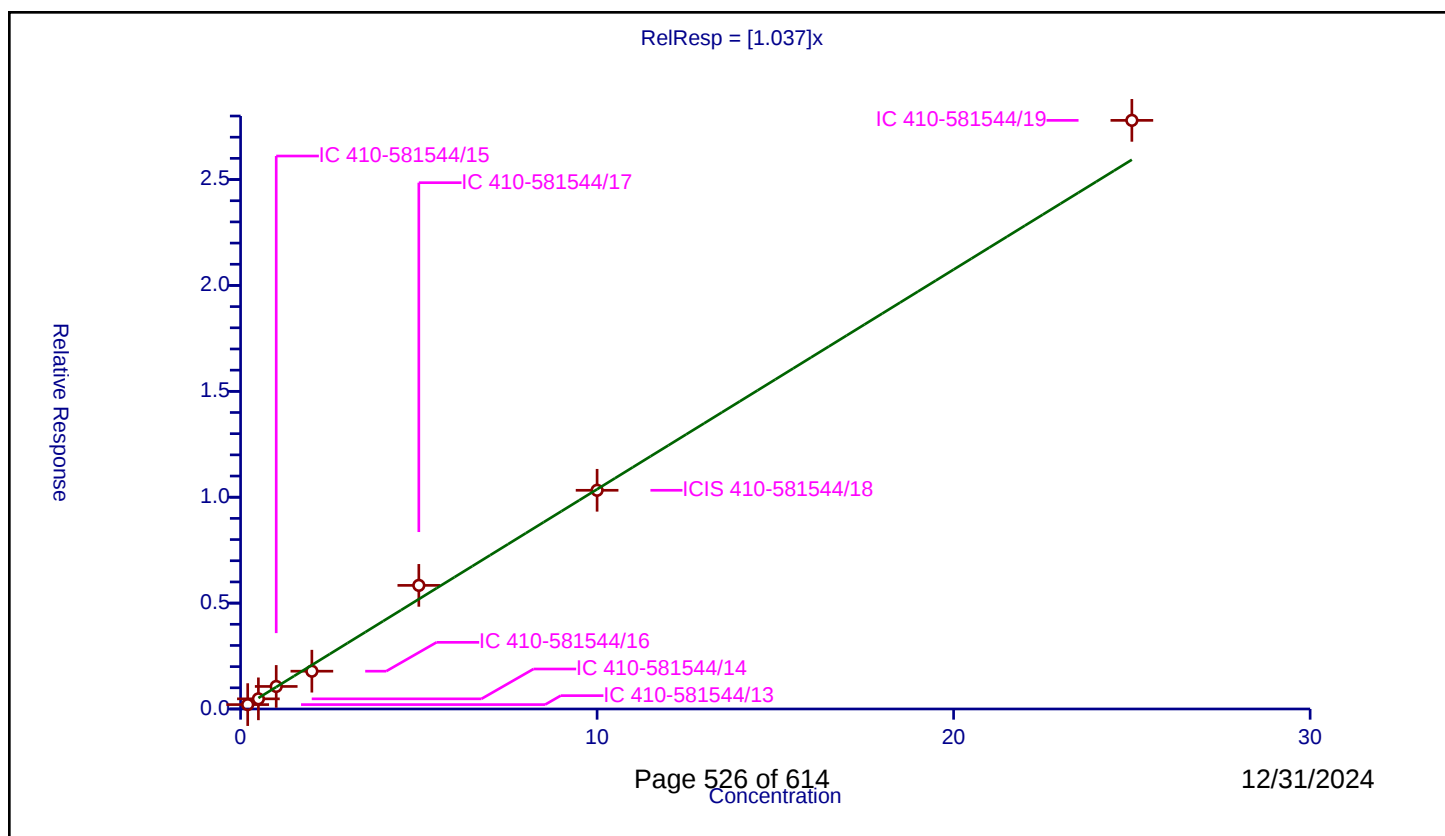
Curve Coefficients

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

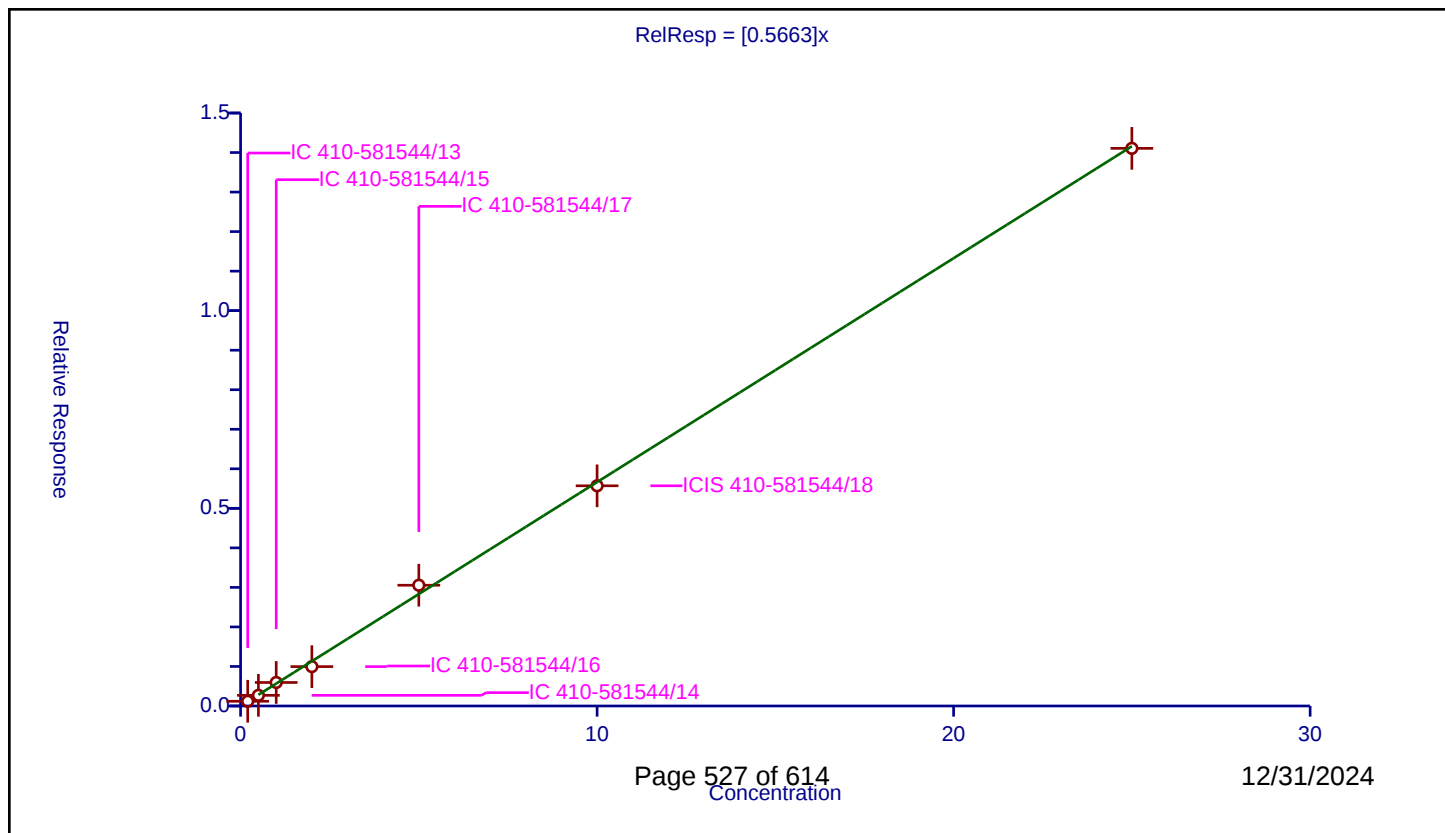
Curve Coefficients

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

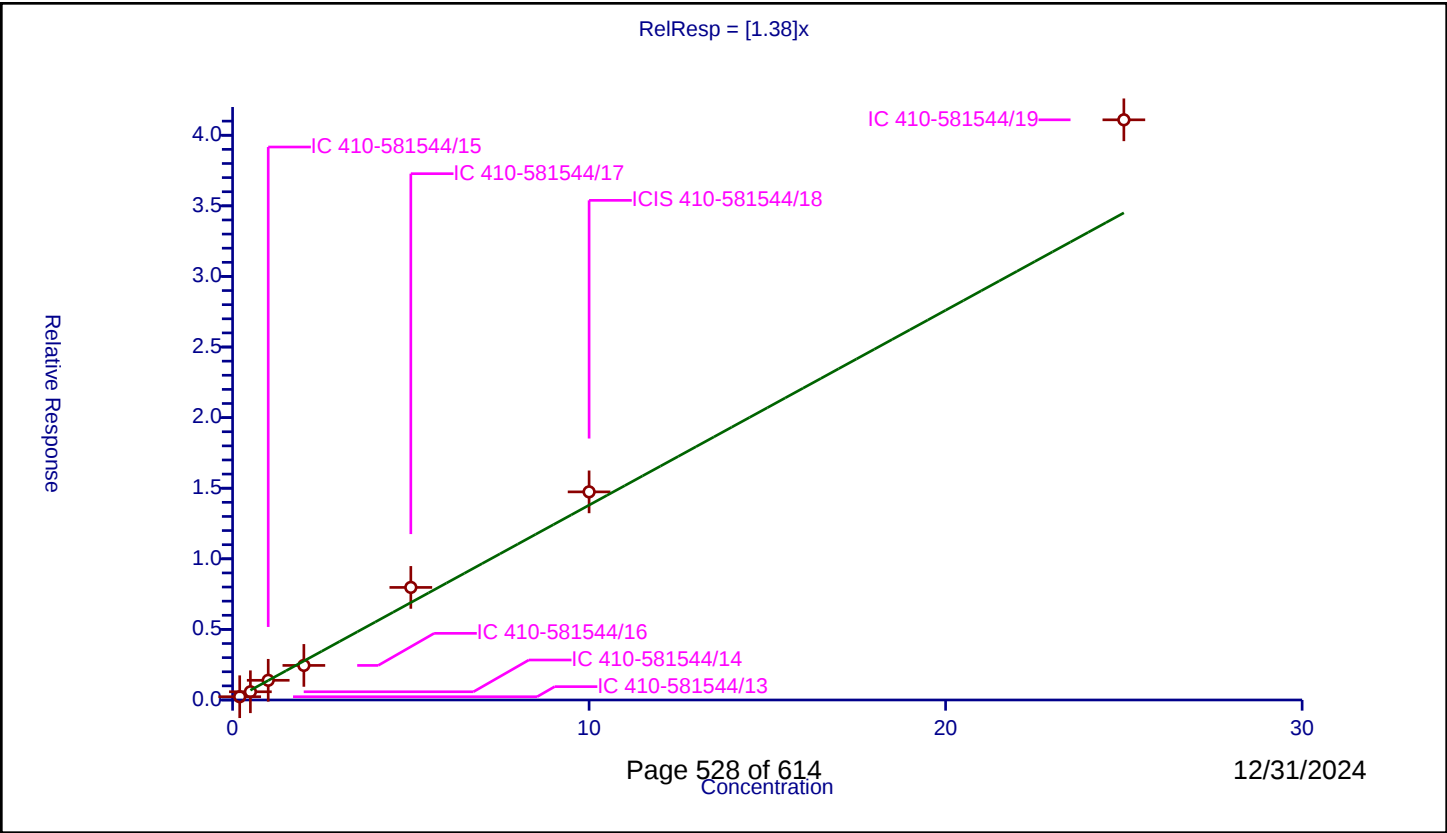


Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

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

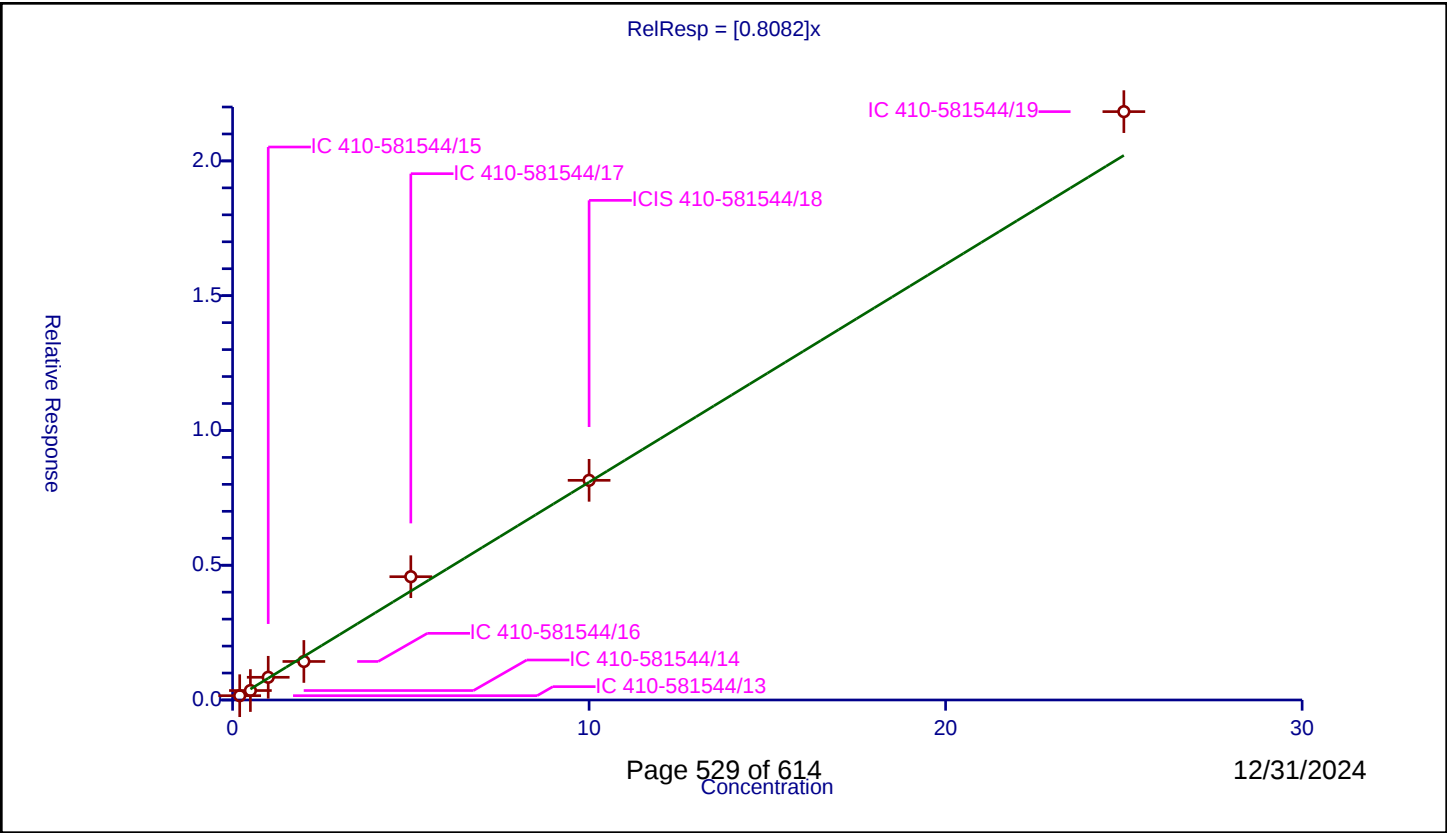
/ 1,2,3-Trichlorobenzene

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 VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-201498-1

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.: 410-201498-1

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.: 410-201498-1

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

Report Date: 09-Dec-2024 11:47:10

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\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

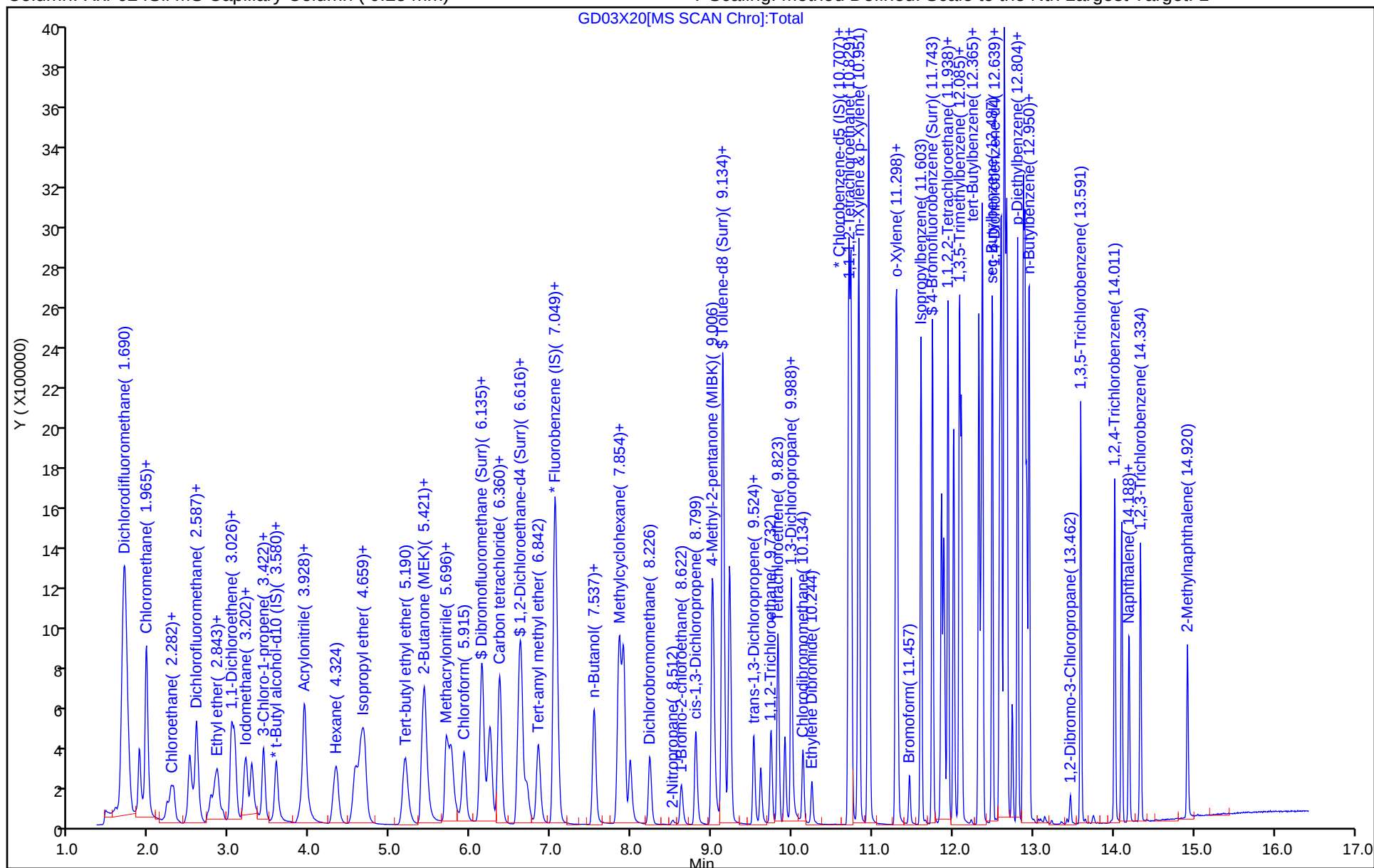
ALS Bottle#: 10

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

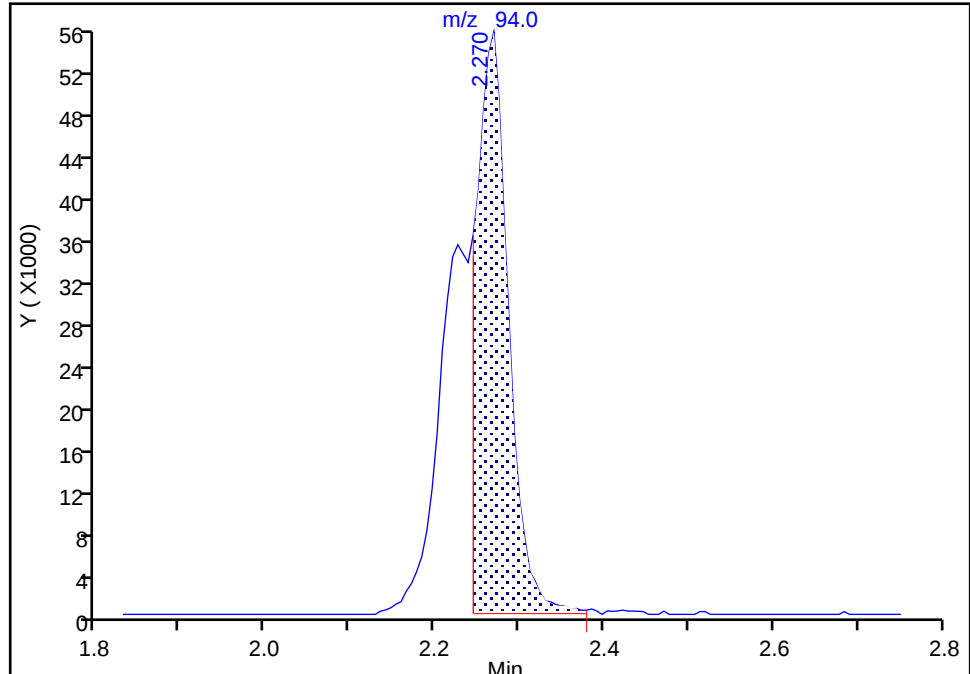
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Injection Date: 03-Dec-2024 19:02:30 Instrument ID: 16334
Lims ID: ICV
Client ID:
Operator ID: knk41612 ALS Bottle#: 10 Worklist Smp#: 21
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

9 Bromomethane, CAS: 74-83-9

Signal: 1

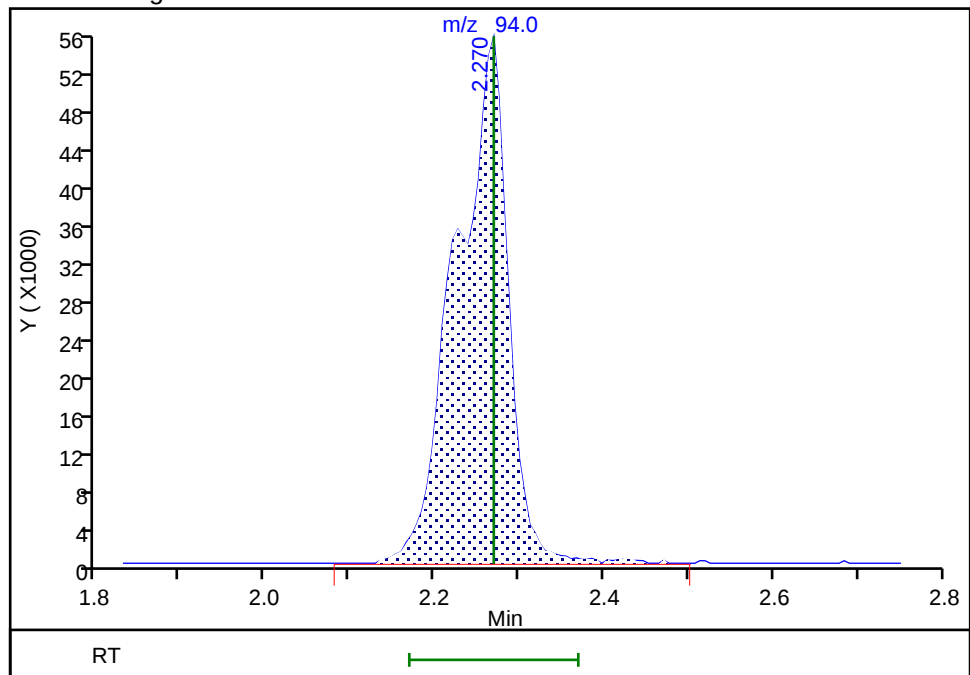
RT: 2.27
Area: 145813
Amount: 3.061869
Amount Units: ug/l

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

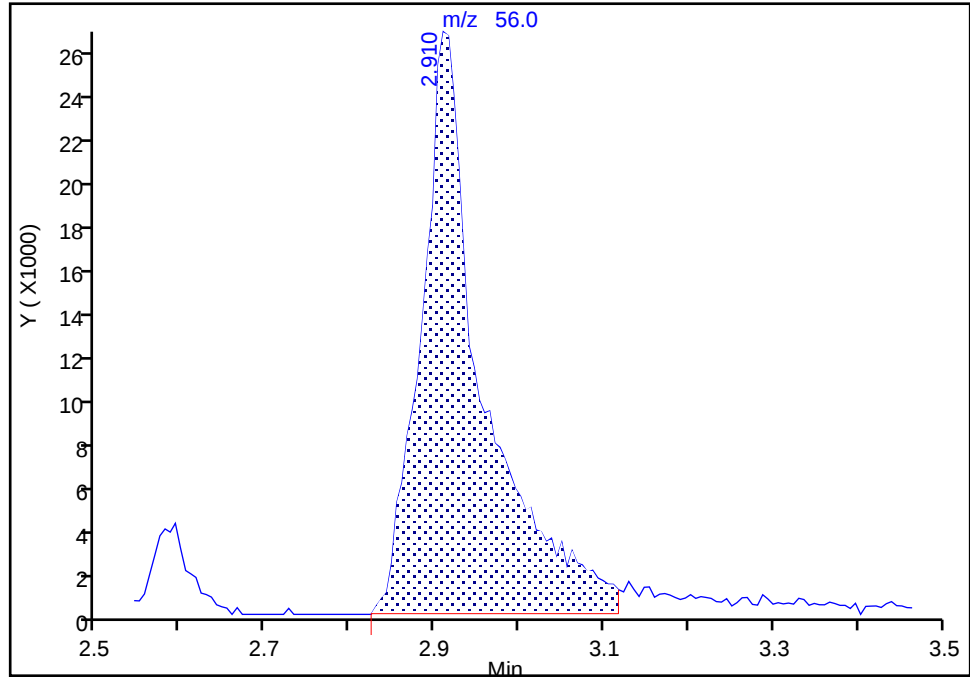
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Injection Date: 03-Dec-2024 19:02:30 Instrument ID: 16334
Lims ID: ICV
Client ID:
Operator ID: knk41612 ALS Bottle#: 10 Worklist Smp#: 21
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

17 Acrolein, CAS: 107-02-8

Signal: 1

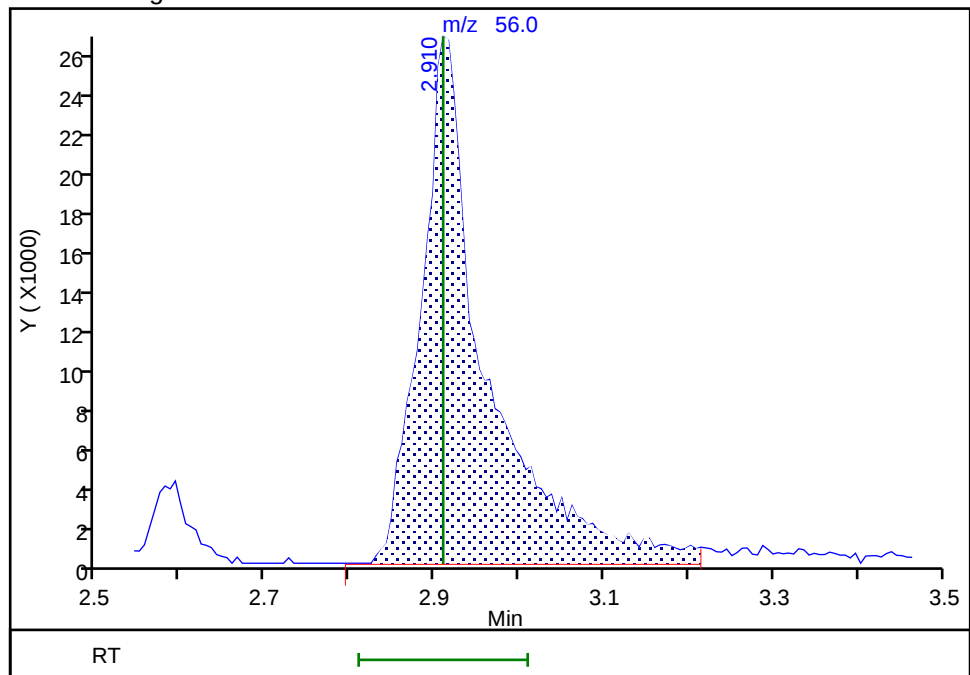
RT: 2.91
Area: 134224
Amount: 56.166044
Amount Units: ug/l

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

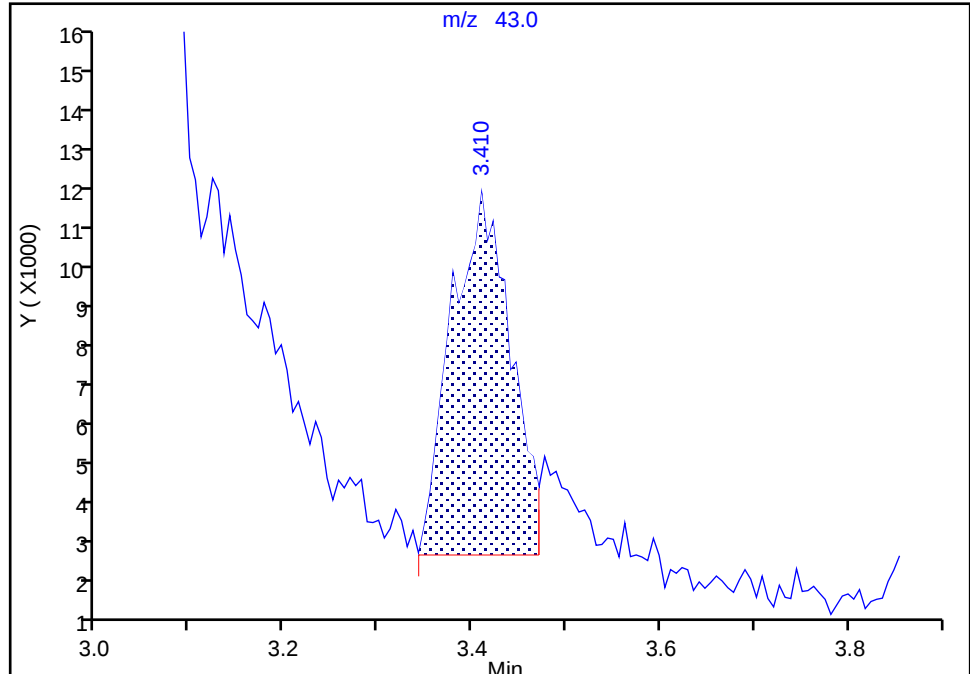
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Injection Date: 03-Dec-2024 19:02:30 Instrument ID: 16334
Lims ID: ICV
Client ID:
Operator ID: knk41612 ALS Bottle#: 10 Worklist Smp#: 21
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

25 Methyl acetate, CAS: 79-20-9

Signal: 1

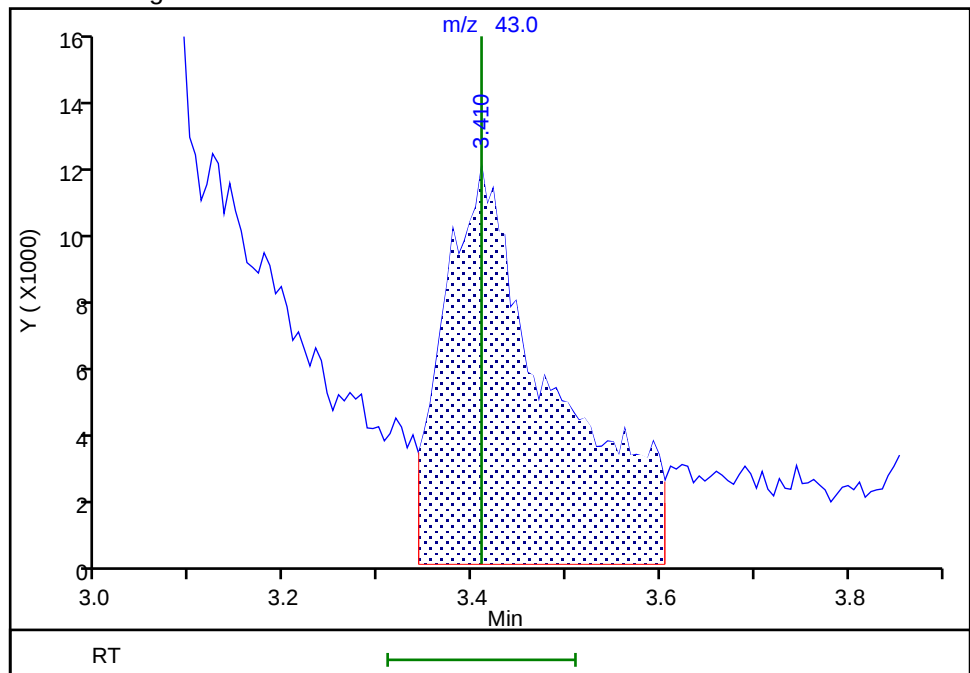
RT: 3.41
Area: 37504
Amount: 3.096705
Amount Units: ug/l

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

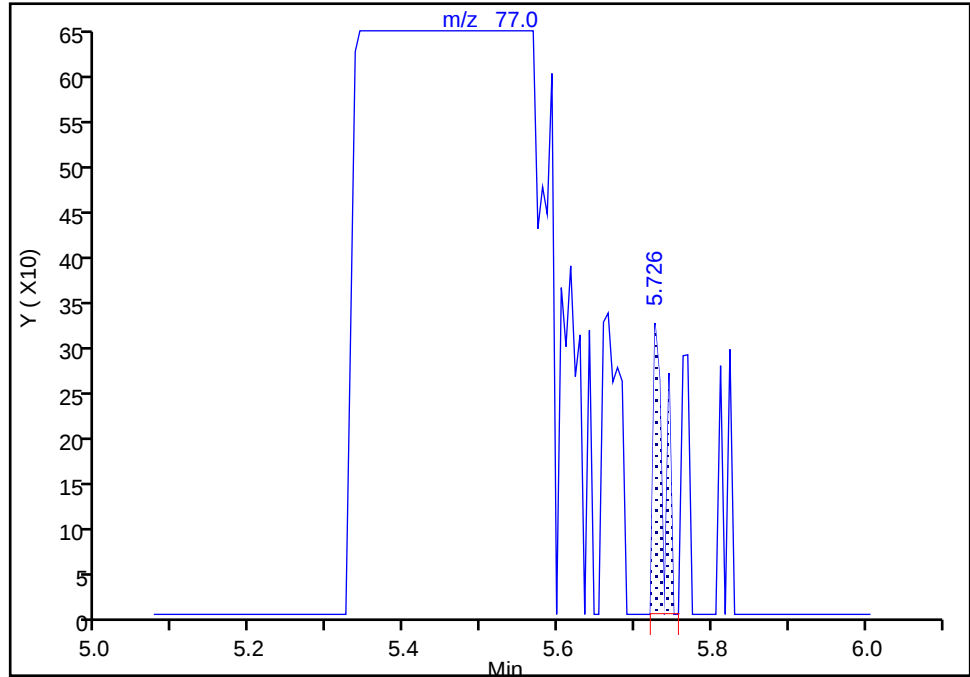
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Injection Date: 03-Dec-2024 19:02:30 Instrument ID: 16334
Lims ID: ICV
Client ID:
Operator ID: knk41612 ALS Bottle#: 10 Worklist Smp#: 21
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

43 2,2-Dichloropropane, CAS: 594-20-7

Signal: 1

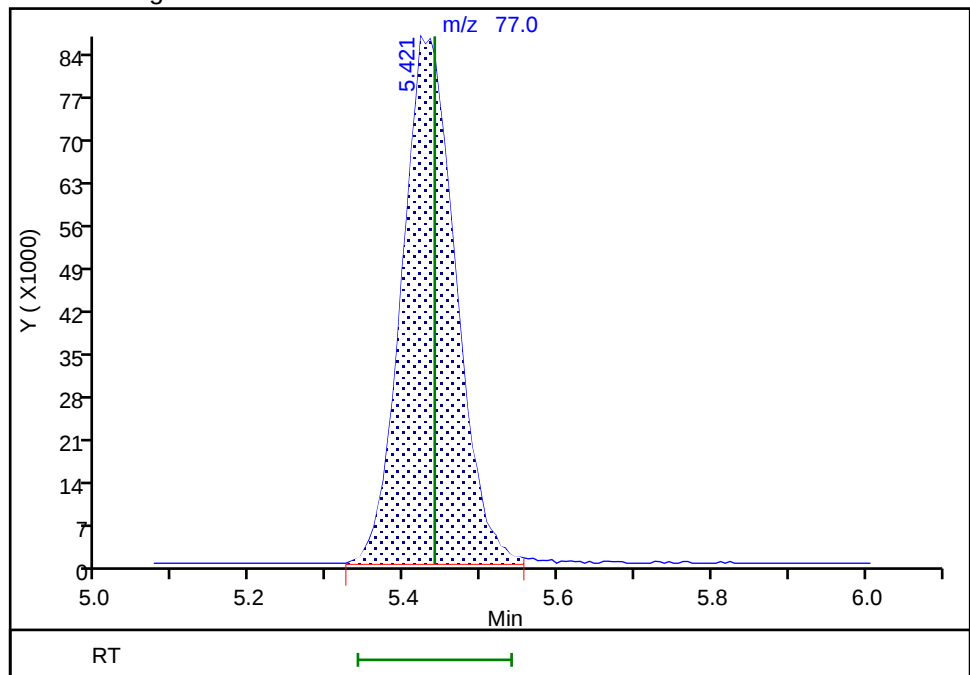
RT: 5.73
Area: 309
Amount: 0.003434
Amount Units: ug/l

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

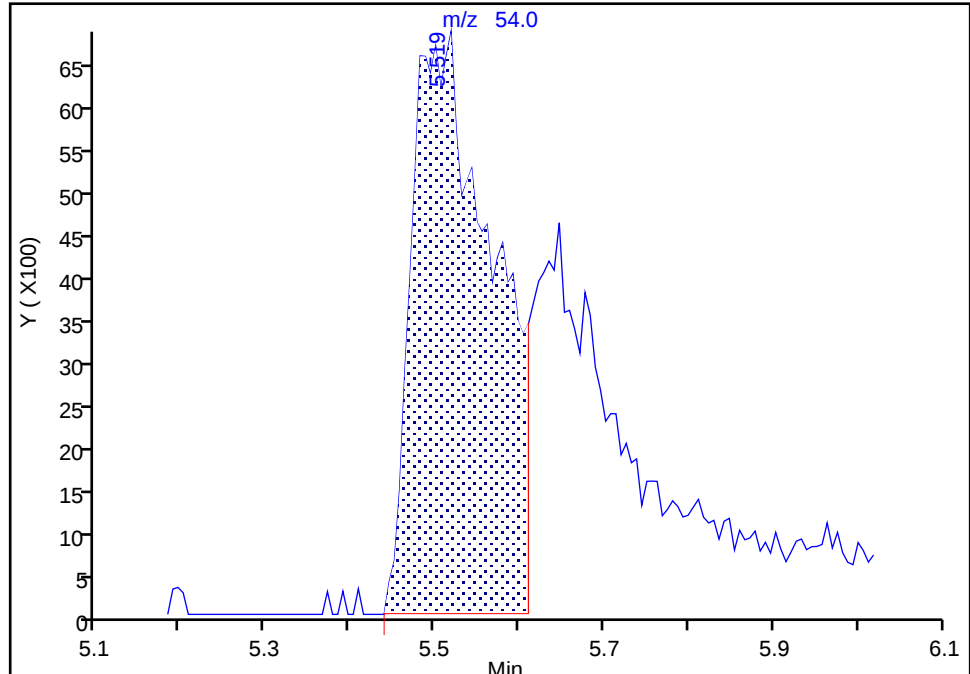
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Injection Date: 03-Dec-2024 19:02:30 Instrument ID: 16334
Lims ID: ICV
Client ID:
Operator ID: knk41612 ALS Bottle#: 10 Worklist Smp#: 21
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

45 Propionitrile, CAS: 107-12-0

Signal: 1

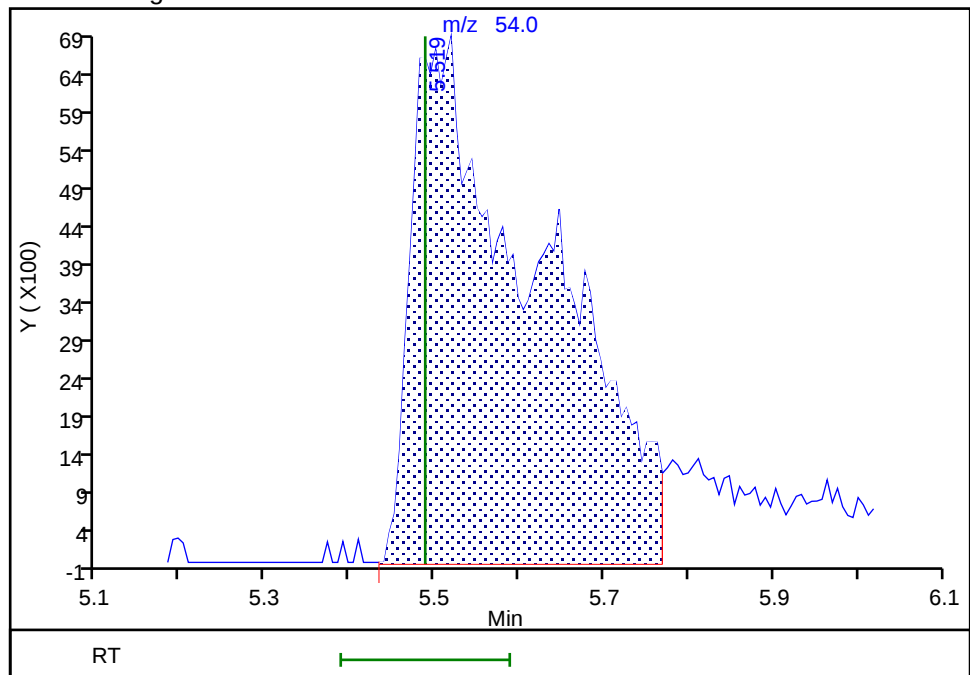
RT: 5.52
Area: 45525
Amount: 24.988904
Amount Units: ug/l

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

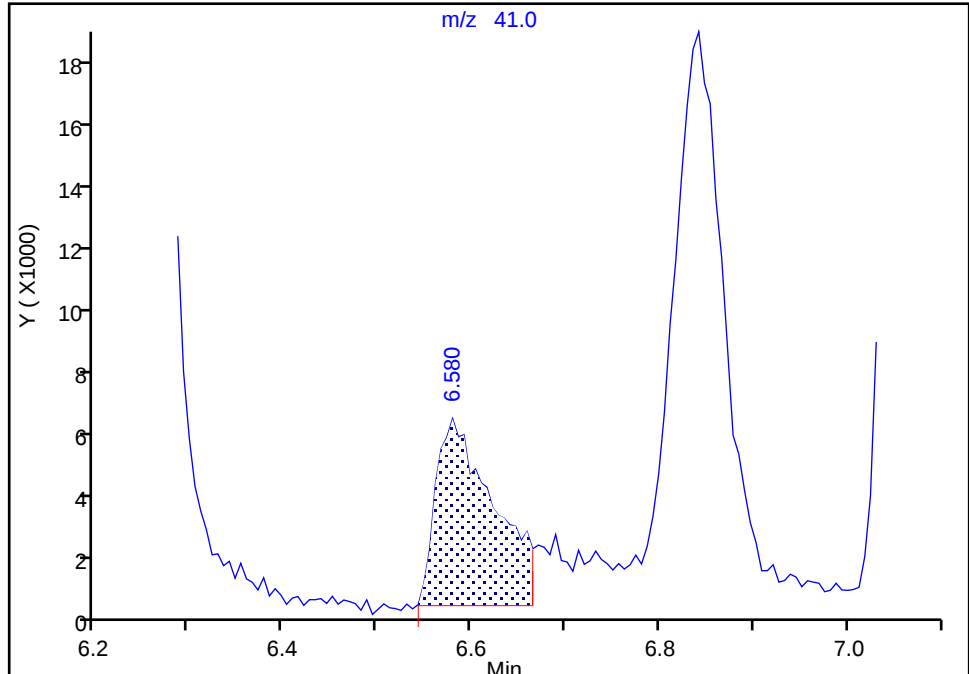
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Injection Date: 03-Dec-2024 19:02:30 Instrument ID: 16334
Lims ID: ICV
Client ID:
Operator ID: knk41612 ALS Bottle#: 10 Worklist Smp#: 21
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

58 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

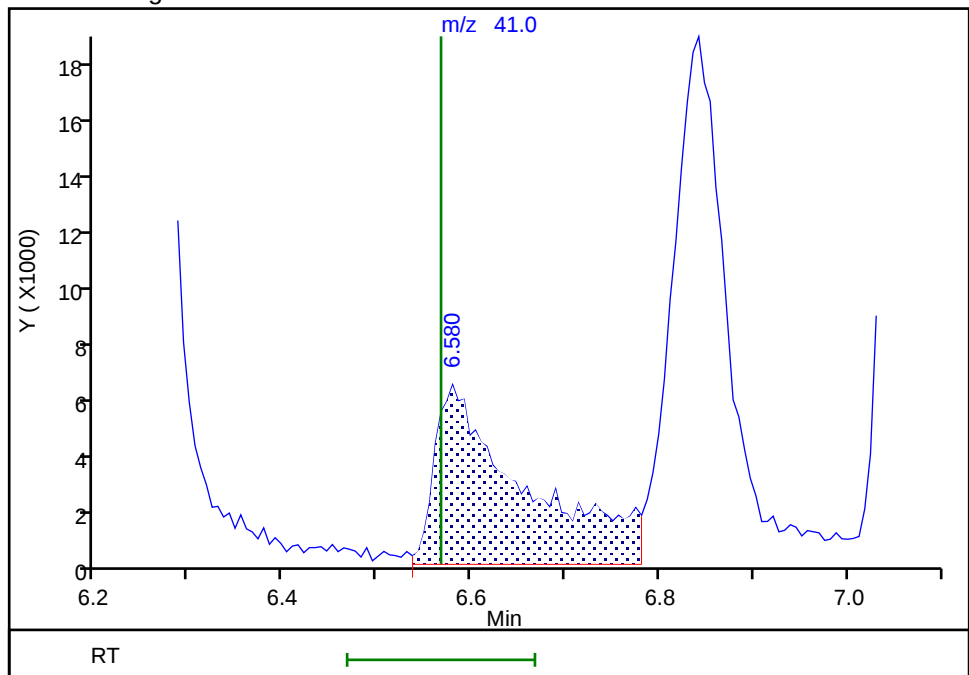
RT: 6.58
Area: 24949
Amount: 62.414413
Amount Units: ug/l

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

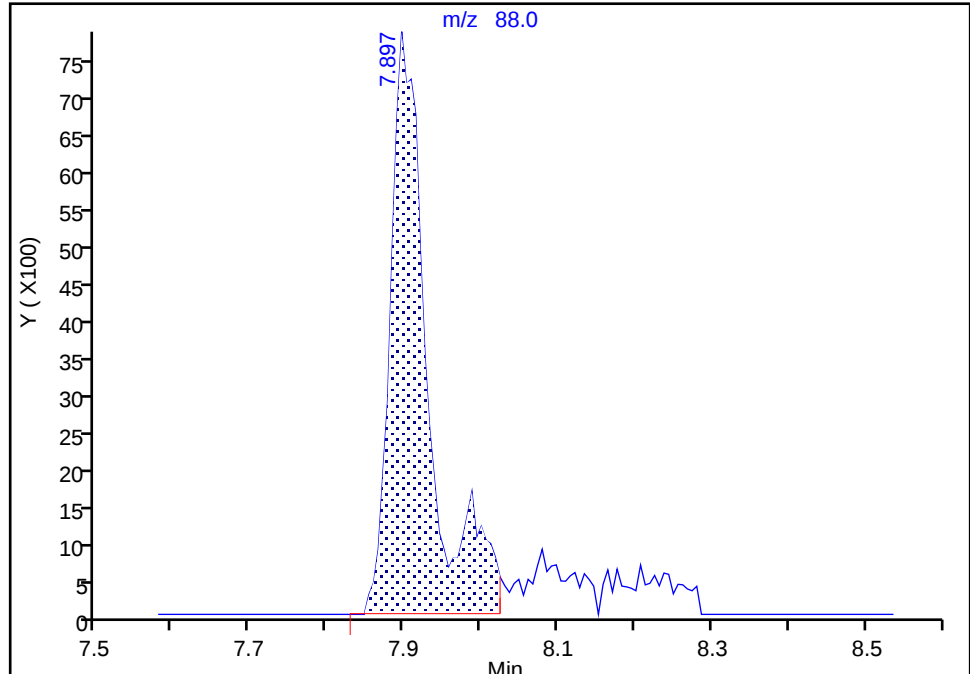
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Injection Date: 03-Dec-2024 19:02:30 Instrument ID: 16334
Lims ID: ICV
Client ID:
Operator ID: knk41612 ALS Bottle#: 10 Worklist Smp#: 21
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

73 1,4-Dioxane, CAS: 123-91-1

Signal: 1

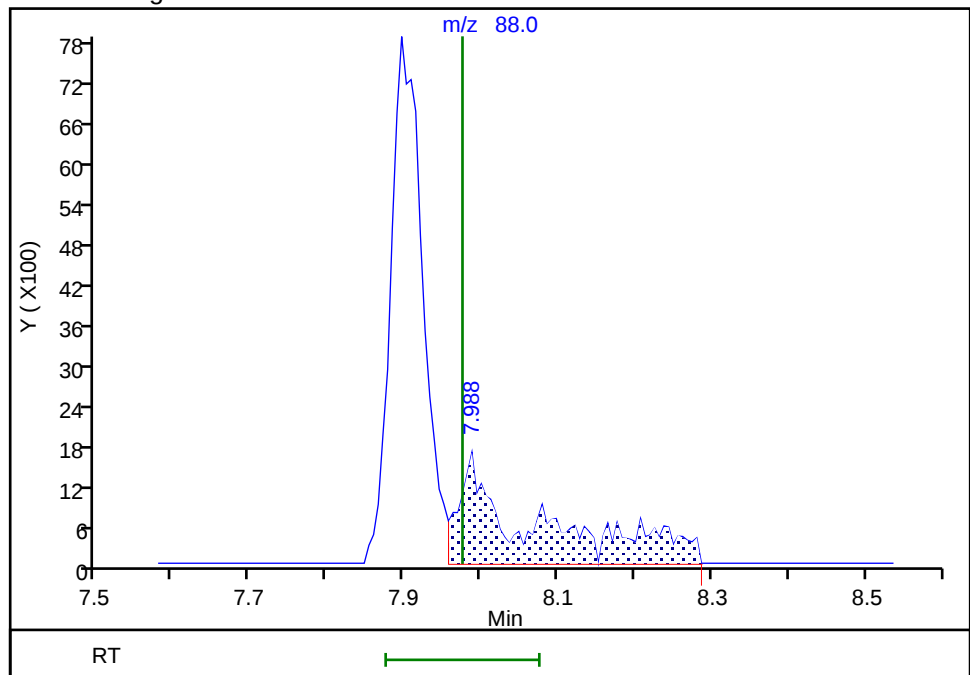
RT: 7.90
Area: 26669
Amount: 281.0798
Amount Units: ug/l

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

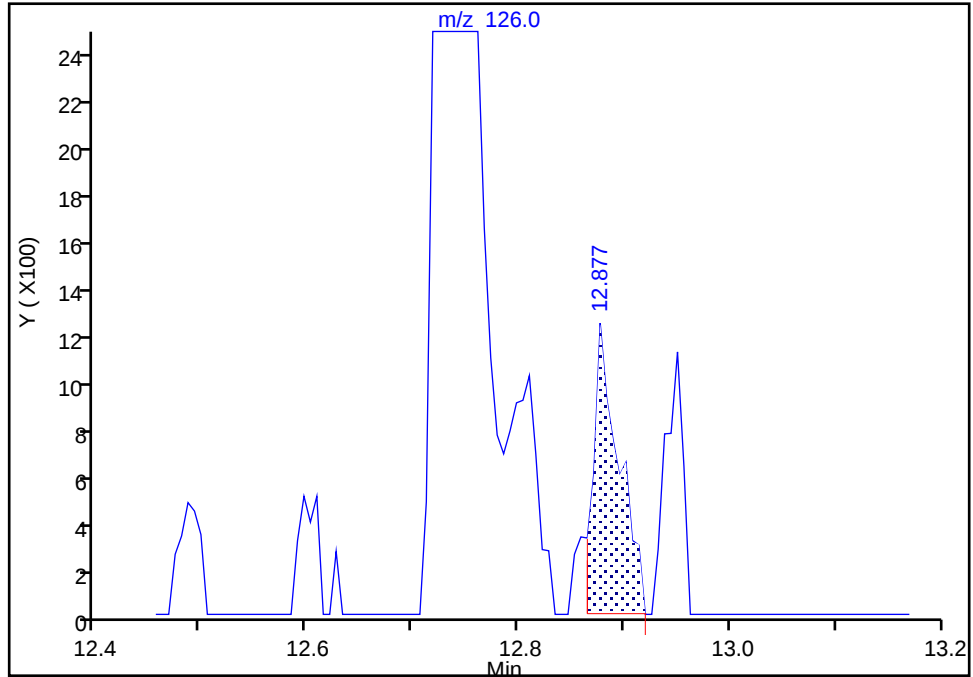
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Injection Date: 03-Dec-2024 19:02:30 Instrument ID: 16334
Lims ID: ICV
Client ID:
Operator ID: knk41612 ALS Bottle#: 10 Worklist Smp#: 21
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

145 Benzyl chloride, CAS: 100-44-7

Signal: 1

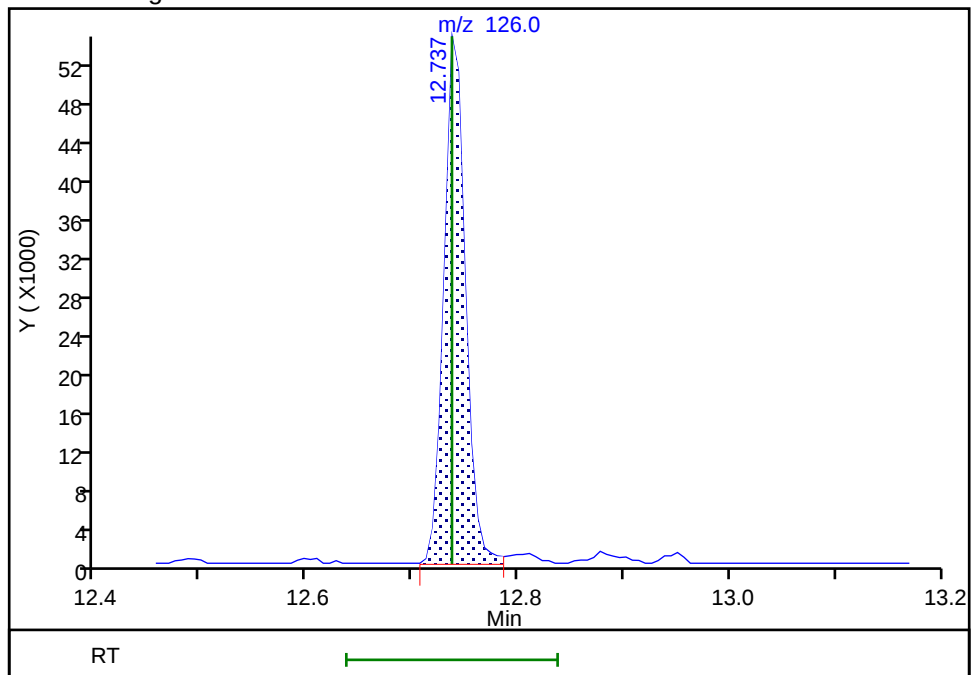
RT: 12.88
Area: 2077
Amount: 0.129555
Amount Units: ug/l

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.: 410-201498-1

SDG No.:

Lab Sample ID: CCVIS 410-589906/3

Calibration Date: 12/26/2024 09:50

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: GD26X02.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	0.3815	0.1000	14.9	12.5	19.2	20.0
Chloromethane	Ave	0.3838	0.3970	0.1000	12.9	12.5	3.4	20.0
1,3-Butadiene	Ave	0.3533	0.5385		19.1	12.5	52.4*	20.0
Vinyl chloride	Ave	0.3476	0.3511	0.1000	12.6	12.5	1.0	20.0
Bromomethane	Ave	0.2261	0.2415	0.1000	13.4	12.5	6.8	20.0
Chloroethane	Ave	0.1756	0.1979	0.1000	14.1	12.5	12.7	20.0
Dichlorofluoromethane	Ave	0.4919	0.5673		14.4	12.5	15.3	20.0
Trichlorofluoromethane	Ave	0.3850	0.4696	0.1000	15.2	12.5	22.0*	20.0
Ethyl ether	Ave	0.1410	0.1718		15.2	12.5	21.8*	20.0
Pentane	None					12.5		20.0
Freon 123a	Ave	0.2903	0.3341		14.4	12.5	15.1	20.0
Acrolein	Ave	2.022	1.808		545	610	-10.6	20.0
1,1-Dichloroethene	Ave	0.2255	0.2139	0.1000	11.9	12.5	-5.2	20.0
Acetone	Ave	2.869	2.465	0.1000	107	125	-14.1	20.0
Freon 113	Ave	0.2374	0.2462	0.1000	13.0	12.5	3.7	20.0
Methyl iodide	Ave	0.4363	0.4119		11.8	12.5	-5.6	20.0
Ethyl bromide	Ave	0.1987	0.2074		13.1	12.5	4.4	20.0
Carbon disulfide	Ave	0.8268	0.8052	0.1000	12.2	12.5	-2.6	20.0
Methyl acetate	Ave	12.10	7.731	0.1000	7.99	12.5	-36.1*	20.0
Allyl chloride	Ave	0.3919	0.3794		12.1	12.5	-3.2	20.0
Methylene Chloride	Ave	0.2494	0.2379	0.1000	11.9	12.5	-4.6	20.0
t-Butyl alcohol	Ave	0.5876	0.5015		213	250	-14.7	20.0
Acrylonitrile	Ave	3.929	3.873		30.8	31.3	-1.4	20.0
Methyl tert-butyl ether	Ave	0.5032	0.4988	0.1000	12.4	12.5	-0.9	20.0
trans-1,2-Dichloroethene	Ave	0.2650	0.2520	0.1000	11.9	12.5	-4.9	20.0
n-Hexane	Ave	0.3462	0.3759		13.6	12.5	8.6	20.0
1,1-Dichloroethane	Ave	0.4802	0.4694	0.2000	12.2	12.5	-2.2	20.0
di-Isopropyl ether	Ave	0.7550	0.7760		12.8	12.5	2.8	20.0
2-Chloro-1,3-butadiene	Ave	0.3676	0.3822		13.0	12.5	4.0	20.0
Ethyl t-butyl ether	Ave	0.6649	0.6674		12.5	12.5	0.4	20.0
2-Butanone (MEK)	Ave	4.916	4.906	0.1000	125	125	-0.2	20.0
cis-1,2-Dichloroethene	Ave	0.2899	0.2846	0.1000	12.3	12.5	-1.8	20.0
2,2-Dichloropropane	Ave	0.4088	0.4015		12.3	12.5	-1.8	20.0
Propionitrile	Qua		1.059		182	250	-27.1*	20.0
Methacrylonitrile	Ave	5.302	5.658		133	125	6.7	20.0
Bromochloromethane	Ave	0.1088	0.1097		12.6	12.5	0.9	20.0
Tetrahydrofuran	Ave	1.407	1.263		56.1	62.5	-10.2	20.0
Chloroform	Ave	0.4711	0.4660	0.2000	12.4	12.5	-1.1	20.0
1,1,1-Trichloroethane	Ave	0.4171	0.4171	0.1000	12.5	12.5	0.0	20.0
Cyclohexane	Ave	0.4159	0.4400	0.1000	13.2	12.5	5.8	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-201498-1

SDG No.:

Lab Sample ID: CCVIS 410-589906/3

Calibration Date: 12/26/2024 09:50

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: GD26X02.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	0.3687	0.1000	12.9	12.5	3.4	20.0
1,1-Dichloropropene	Ave	0.3721	0.3722		12.5	12.5	0.0	20.0
Isobutyl alcohol	Ave	0.0018	0.0022		759	625	21.4*	20.0
Benzene	Ave	1.110	1.075	0.5000	12.1	12.5	-3.2	20.0
1,2-Dichloroethane	Ave	0.2544	0.2565	0.1000	12.6	12.5	0.8	20.0
t-Amyl methyl ether	Ave	0.5517	0.5599		12.7	12.5	1.5	20.0
n-Heptane	Ave	0.3402	0.3719		13.7	12.5	9.3	20.0
n-Butanol	Qua		0.2271		1170	1090	7.2	20.0
Trichloroethene	Ave	0.2852	0.2845	0.2000	12.5	12.5	-0.3	20.0
Methylcyclohexane	Ave	0.4363	0.4685	0.1000	13.4	12.5	7.4	20.0
1,2-Dichloropropane	Ave	0.2687	0.2708	0.1000	12.6	12.5	0.8	20.0
1,4-Dioxane	Ave	0.0639	0.0780	0.0050	762	625	22.0*	20.0
Dibromomethane	Ave	0.1102	0.1118		12.7	12.5	1.4	20.0
Methyl methacrylate	Ave	10.07	9.201		11.4	12.5	-8.6	20.0
Bromodichloromethane	Ave	0.3079	0.3239	0.2000	13.2	12.5	5.2	20.0
2-Nitropropane	Ave	3.072	3.037		61.8	62.5	-1.2	20.0
1-Bromo-2-chloroethane	Ave	0.2310	0.2582		14.0	12.5	11.8	20.0
cis-1,3-Dichloropropene	Ave	0.3776	0.3864	0.2000	12.8	12.5	2.3	20.0
4-Methyl-2-pentanone (MIBK)	Ave	12.72	13.09	0.1000	129	125	2.9	20.0
Toluene	Ave	0.9636	0.9227	0.4000	12.0	12.5	-4.3	20.0
trans-1,3-Dichloropropene	Ave	0.4032	0.4094	0.1000	12.7	12.5	1.5	20.0
Ethyl methacrylate	Ave	0.2433	0.2611		13.4	12.5	7.3	20.0
1,1,2-Trichloroethane	Ave	0.2226	0.2185	0.1000	12.3	12.5	-1.8	20.0
Tetrachloroethene	Ave	0.4348	0.4095	0.2000	11.8	12.5	-5.8	20.0
1,3-Dichloropropane	Ave	0.3847	0.3797		12.3	12.5	-1.3	20.0
2-Hexanone	Ave	8.832	8.993	0.1000	127	125	1.8	20.0
Dibromochloromethane	Ave	0.2716	0.2835		13.0	12.5	4.4	20.0
1,2-Dibromoethane (EDB)	Ave	0.1980	0.2026	0.1000	12.8	12.5	2.3	20.0
1-Chlorohexane	Ave	0.5189	0.4890		11.8	12.5	-5.8	20.0
Chlorobenzene	Ave	1.082	1.021	0.5000	11.8	12.5	-5.7	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3511	0.3483		12.4	12.5	-0.8	20.0
Ethylbenzene	Ave	1.874	1.853	0.1000	12.4	12.5	-1.1	20.0
m&p-Xylene	Ave	0.7230	0.7144	0.1000	24.7	25.0	-1.2	20.0
o-Xylene	Ave	0.6903	0.6911	0.3000	12.5	12.5	0.1	20.0
Styrene	Ave	1.050	1.114	0.3000	13.3	12.5	6.1	20.0
Bromoform	Ave	0.1404	0.1522	0.1000	13.6	12.5	8.5	20.0
Isopropylbenzene	Ave	1.621	1.628	0.1000	12.6	12.5	0.4	20.0
1,1,2,2-Tetrachloroethane	Ave	0.4638	0.4745	0.3000	12.8	12.5	2.3	20.0
Bromobenzene	Ave	0.7776	0.7716		12.4	12.5	-0.8	20.0
trans-1,4-Dichloro-2-butene	Ave	5.416	3.244		74.9	125	-40.1*	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-201498-1

SDG No.:

Lab Sample ID: CCVIS 410-589906/3

Calibration Date: 12/26/2024 09:50

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: GD26X02.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	0.1277		12.9	12.5	3.3	20.0
N-Propylbenzene	Ave	4.178	4.156		12.4	12.5	-0.5	20.0
2-Chlorotoluene	Ave	0.8303	0.7892		11.9	12.5	-5.0	20.0
1,3,5-Trimethylbenzene	Ave	2.946	2.960		12.6	12.5	0.5	20.0
4-Chlorotoluene	Ave	0.8587	0.8185		11.9	12.5	-4.7	20.0
tert-Butylbenzene	Ave	0.6391	0.6439		12.6	12.5	0.7	20.0
Pentachloroethane	Ave	0.4371	0.5118		14.6	12.5	17.1	20.0
1,2,4-Trimethylbenzene	Ave	3.016	3.063		12.7	12.5	1.6	20.0
sec-Butylbenzene	Ave	3.818	3.860		12.6	12.5	1.1	20.0
1,3-Dichlorobenzene	Ave	1.655	1.628	0.6000	12.3	12.5	-1.6	20.0
p-Isopropyltoluene	Ave	3.259	3.338		12.8	12.5	2.4	20.0
1,4-Dichlorobenzene	Ave	1.691	1.629	0.5000	12.0	12.5	-3.7	20.0
1,2,3-Trimethylbenzene	Ave	1.290	1.277		12.4	12.5	-1.0	20.0
Benzyl chloride	Ave	0.1879	0.1986		13.2	12.5	5.7	20.0
n-Butylbenzene	Ave	1.672	1.714		12.8	12.5	2.5	20.0
1,2-Dichlorobenzene	Ave	1.436	1.396	0.4000	12.2	12.5	-2.8	20.0
1,2-Dibromo-3-Chloropropane	Ave	2.684	2.669	0.0500	12.4	12.5	-0.6	20.0
1,3,5-Trichlorobenzene	Ave	1.301	1.289		12.4	12.5	-0.9	20.0
1,2,4-Trichlorobenzene	Ave	1.037	1.031	0.2000	12.4	12.5	-0.6	20.0
Hexachlorobutadiene	Ave	0.5663	0.5696		12.6	12.5	0.6	20.0
Naphthalene	Ave	1.380	1.461		13.2	12.5	5.9	20.0
1,2,3-Trichlorobenzene	Ave	0.8082	0.8163		12.6	12.5	1.0	20.0
Dibromofluoromethane (Surr)	Ave	0.2359	0.2393		10.1	10.0	1.4	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0450	0.0457		10.2	10.0	1.6	20.0
Toluene-d8 (Surr)	Ave	1.388	1.356		9.77	10.0	-2.3	20.0
4-Bromofluorobenzene (Surr)	Ave	0.4793	0.4661		9.72	10.0	-2.8	20.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X02.D
 Lims ID: CCVIS VSTD12.5
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 26-Dec-2024 09:50:30 ALS Bottle#: 2 Worklist Smp#: 3
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0134250-003
 Misc. Info.: CCVIS VSTD12.5
 Operator ID: ecr105096 Instrument ID: 16334
 Sublist: chrom-MSV_16334_25mL*sub4
 Method: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\MSV_16334_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 31-Dec-2024 18:01:55 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: CTX1726

First Level Reviewer: UKEK

Date: 31-Dec-2024 17:59:27

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	1.715	0.000	99	936783	12.5	14.9	
5 Chloromethane	50	1.886	1.886	0.000	99	974784	12.5	12.9	
7 Butadiene	39	1.971	1.971	0.000	91	1322270	12.5	19.1	
6 Vinyl chloride	62	1.989	1.989	0.000	98	862116	12.5	12.6	
9 Bromomethane	94	2.282	2.282	0.000	92	592902	12.5	13.4	M
10 Chloroethane	64	2.312	2.312	0.000	100	486019	12.5	14.1	
11 Dichlorofluoromethane	67	2.514	2.514	0.000	97	1393051	12.5	14.4	
12 Trichlorofluoromethane	101	2.605	2.605	0.000	98	1153155	12.5	15.2	
13 Ethyl ether	59	2.770	2.770	0.000	92	421813	12.5	15.2	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	2.849	2.849	0.000	93	820317	12.5	14.4	
17 Acrolein	56	2.916	2.916	0.000	99	1928006	609.9	545.4	
18 1,1-Dichloroethene	96	3.026	3.026	0.000	97	525131	12.5	11.9	
19 Acetone	43	3.056	3.056	0.000	75	538832	125.0	107.4	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.068	3.068	0.000	93	604512	12.5	13.0	
21 Isopropyl alcohol	45	3.190	3.190	0.000	59	120772	250.0	241.6	
22 Iodomethane	142	3.190	3.190	0.000	100	1011369	12.5	11.8	
23 Ethyl bromide	108	3.215	3.215	0.000	98	510051	12.5	13.1	
24 Carbon disulfide	76	3.282	3.282	0.000	99	1977177	12.5	12.2	
25 Methyl acetate	43	3.416	3.416	0.000	31	168981	12.5	7.99	
27 3-Chloro-1-propene	41	3.428	3.428	0.000	91	931628	12.5	12.1	
29 Methylene Chloride	84	3.587	3.587	0.000	93	584283	12.5	11.9	
* 30 t-Butyl alcohol-d10 (IS)	65	3.617	3.617	0.000	99	87429	50.0	50.0	
31 2-Methyl-2-propanol	59	3.708	3.708	0.000	99	219243	250.0	213.4	
32 Acrylonitrile	53	3.885	3.885	0.000	98	211630	31.3	30.8	
33 Methyl tert-butyl ether	73	3.934	3.934	0.000	82	1224827	12.5	12.4	
34 trans-1,2-Dichloroethene	96	3.934	3.934	0.000	98	618730	12.5	11.9	
35 Hexane	57	4.330	4.330	0.000	93	923060	12.5	13.6	
37 1,1-Dichloroethane	63	4.562	4.562	0.000	96	1152681	12.5	12.2	
38 Isopropyl ether	45	4.629	4.629	0.000	94	1905571	12.5	12.8	
39 2-Chloro-1,3-butadiene	53	4.678	4.678	0.000	91	938583	12.5	13.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 Tert-butyl ethyl ether	59	5.190	5.190	0.000	97	1638812	12.5	12.5	
41 2-Butanone (MEK)	43	5.397	5.397	0.000	100	1072458	125.0	124.8	
42 cis-1,2-Dichloroethene	96	5.422	5.422	0.000	83	698785	12.5	12.3	
43 2,2-Dichloropropane	77	5.434	5.434	0.000	87	985856	12.5	12.3	
45 Propionitrile	54	5.482	5.482	0.000	100	463021	250.0	182.4	
48 Methacrylonitrile	67	5.702	5.702	0.000	92	1236679	125.0	133.4	
49 Chlorobromomethane	128	5.757	5.757	0.000	95	269372	12.5	12.6	
50 Tetrahydrofuran	71	5.781	5.781	0.000	84	138039	62.5	56.1	
51 Chloroform	83	5.921	5.921	0.000	93	1144358	12.5	12.4	
\$ 52 Dibromofluoromethane (Surr)	113	6.141	6.141	0.000	93	470005	10.0	10.1	
53 1,1,1-Trichloroethane	97	6.147	6.147	0.000	98	1024093	12.5	12.5	
54 Cyclohexane	56	6.245	6.245	0.000	90	1080406	12.5	13.2	
55 Carbon tetrachloride	117	6.360	6.360	0.000	96	905345	12.5	12.9	
56 1,1-Dichloropropene	75	6.366	6.366	0.000	99	914037	12.5	12.5	
58 Isobutyl alcohol	41	6.574	6.574	0.000	89	270769	625.0	759.0	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.598	6.598	0.000	86	89846	10.0	10.2	
60 Benzene	78	6.629	6.629	0.000	96	2638803	12.5	12.1	
61 1,2-Dichloroethane	62	6.702	6.702	0.000	98	629881	12.5	12.6	
63 Tert-amyl methyl ether	73	6.842	6.842	0.000	99	1374734	12.5	12.7	
* 64 Fluorobenzene (IS)	96	7.049	7.049	0.000	99	1964356	10.0	10.0	
65 n-Heptane	43	7.080	7.080	0.000	92	913240	12.5	13.7	
67 n-Butanol	56	7.482	7.482	0.000	89	434363	1093.8	1172.1	
68 Trichloroethene	95	7.543	7.543	0.000	99	698571	12.5	12.5	
69 Methylcyclohexane	83	7.848	7.848	0.000	92	1150358	12.5	13.4	
70 1,2-Dichloropropane	63	7.872	7.872	0.000	97	664971	12.5	12.6	
71 2-ethoxy-2-methyl butane	87	7.909	7.909	0.000	94	975916	12.5	12.8	
73 1,4-Dioxane	88	7.982	7.982	0.000	33	85200	625.0	762.3	M
74 Dibromomethane	93	7.988	7.988	0.000	96	274504	12.5	12.7	
72 Methyl methacrylate	69	7.994	7.994	0.000	92	201125	12.5	11.4	
76 Dichlorobromomethane	83	8.232	8.232	0.000	99	795448	12.5	13.2	
77 2-Nitropropane	41	8.518	8.518	0.000	99	331870	62.5	61.8	
79 1-Bromo-2-chloroethane	63	8.628	8.628	0.000	99	634126	12.5	14.0	
81 cis-1,3-Dichloropropene	75	8.805	8.805	0.000	96	948812	12.5	12.8	
82 4-Methyl-2-pentanone (MIBK)	43	9.012	9.012	0.000	97	2861060	125.0	128.7	
\$ 83 Toluene-d8 (Surr)	98	9.140	9.140	0.000	94	1995358	10.0	9.77	
84 Toluene	92	9.226	9.226	0.000	98	1697401	12.5	12.0	
85 trans-1,3-Dichloropropene	75	9.524	9.524	0.000	92	753169	12.5	12.7	
86 Ethyl methacrylate	69	9.610	9.610	0.000	90	480342	12.5	13.4	
107 1,1,2-Trichloroethane	97	9.744	9.744	0.000	91	401993	12.5	12.3	
108 Tetrachloroethene	166	9.829	9.829	0.000	97	753336	12.5	11.8	
109 1,3-Dichloropropane	76	9.915	9.915	0.000	90	698563	12.5	12.3	
110 2-Hexanone	43	9.988	9.988	0.000	96	1965750	125.0	127.3	
112 Chlorodibromomethane	129	10.140	10.140	0.000	90	521613	12.5	13.0	
113 Ethylene Dibromide	107	10.250	10.250	0.000	98	372633	12.5	12.8	
* 114 Chlorobenzene-d5 (IS)	117	10.707	10.707	0.000	85	1471658	10.0	10.0	
115 1-Chlorohexane	91	10.731	10.731	0.000	71	899639	12.5	11.8	
116 Chlorobenzene	112	10.738	10.738	0.000	93	1877699	12.5	11.8	
117 1,1,1,2-Tetrachloroethane	131	10.823	10.823	0.000	95	640688	12.5	12.4	
118 Ethylbenzene	91	10.835	10.835	0.000	99	3408797	12.5	12.4	
120 m-Xylene & p-Xylene	106	10.951	10.951	0.000	100	2628494	25.0	24.7	
121 o-Xylene	106	11.292	11.292	0.000	96	1271342	12.5	12.5	
122 Styrene	104	11.311	11.311	0.000	95	2049072	12.5	13.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
123 Bromoform	173	11.463	11.463	0.000	96	280044	12.5	13.6	
124 Isopropylbenzene	105	11.603	11.603	0.000	96	2995043	12.5	12.6	
\$ 127 4-Bromofluorobenzene (Surr)	95	11.743	11.743	0.000	90	685919	10.0	9.72	
128 1,1,2,2-Tetrachloroethane	83	11.859	11.859	0.000	66	468325	12.5	12.8	
129 Bromobenzene	156	11.859	11.859	0.000	91	761588	12.5	12.4	
130 trans-1,4-Dichloro-2-butene	53	11.884	11.884	0.000	90	709010	125.0	74.9	
131 1,2,3-Trichloropropane	110	11.902	11.902	0.000	80	126091	12.5	12.9	
132 N-Propylbenzene	91	11.939	11.939	0.000	99	4102249	12.5	12.4	
133 2-Chlorotoluene	126	12.012	12.012	0.000	96	779007	12.5	11.9	
134 1,3,5-Trimethylbenzene	105	12.079	12.079	0.000	93	2921785	12.5	12.6	
135 4-Chlorotoluene	126	12.103	12.103	0.000	98	807878	12.5	11.9	
136 tert-Butylbenzene	134	12.323	12.323	0.000	93	635541	12.5	12.6	
137 Pentachloroethane	167	12.347	12.347	0.000	90	505186	12.5	14.6	
138 1,2,4-Trimethylbenzene	105	12.365	12.365	0.000	97	3023624	12.5	12.7	
139 sec-Butylbenzene	105	12.487	12.487	0.000	94	3809751	12.5	12.6	
140 1,3-Dichlorobenzene	146	12.579	12.579	0.000	98	1606783	12.5	12.3	
141 4-Isopropyltoluene	119	12.597	12.597	0.000	97	3295029	12.5	12.8	
* 142 1,4-Dichlorobenzene-d4	152	12.640	12.640	0.000	93	789597	10.0	10.0	
143 1,4-Dichlorobenzene	146	12.652	12.652	0.000	95	1607686	12.5	12.0	
144 1,2,3-Trimethylbenzene	120	12.670	12.670	0.000	99	1260467	12.5	12.4	
145 Benzyl chloride	126	12.737	12.737	0.000	98	196002	12.5	13.2	
146 p-Diethylbenzene	119	12.871	12.871	0.000	93	2010113	12.5	12.6	
147 n-Butylbenzene	92	12.890	12.890	0.000	98	1691321	12.5	12.8	
148 1,2-Dichlorobenzene	146	12.914	12.914	0.000	98	1378279	12.5	12.2	
150 1,2-Dibromo-3-Chloropropane	155	13.457	13.457	0.000	83	58329	12.5	12.4	
151 1,3,5-Trichlorobenzene	180	13.585	13.585	0.000	97	1272326	12.5	12.4	
152 1,2,4-Trichlorobenzene	180	14.005	14.005	0.000	94	1017917	12.5	12.4	
153 Hexachlorobutadiene	225	14.091	14.091	0.000	97	562177	12.5	12.6	
154 Naphthalene	128	14.182	14.182	0.000	97	1442451	12.5	13.2	
155 1,2,3-Trichlorobenzene	180	14.322	14.322	0.000	96	805686	12.5	12.6	
156 2-Methylnaphthalene	142	14.901	14.901	0.000	92	683235	12.5	11.2	
167 Pentane	43	2.770	2.770	0.000	40	79995	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_GAS826_00250

Amount Added: 25.00

Units: uL

MSV_LL_#1_826_00156

Amount Added: 25.00

Units: uL

MSV_LL_#2_826_00166

Amount Added: 25.00

Units: uL

MSV_29_826ISS_00058

Amount Added: 1.20

Units: uL

Run Reagent

Report Date: 31-Dec-2024 18:01:56

Chrom Revision: 2.3 17-Dec-2024 12:44:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X02.D

Injection Date: 26-Dec-2024 09:50:30

Instrument ID: 16334

Operator ID: ecr105096

Lims ID: CCVIS VSTD12.5

Worklist Smp#: 3

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

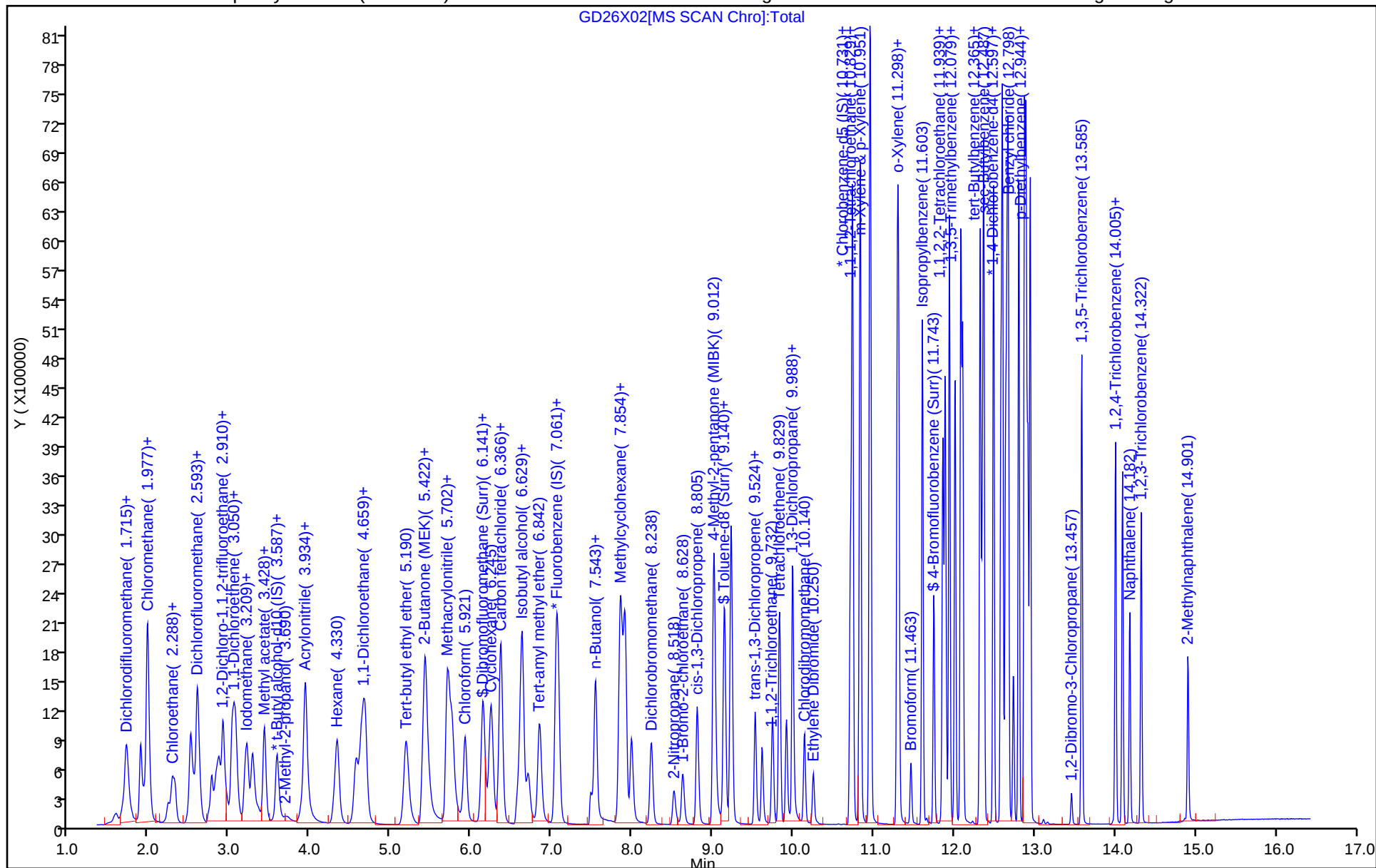
ALS Bottle#: 2

Method: MSV_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

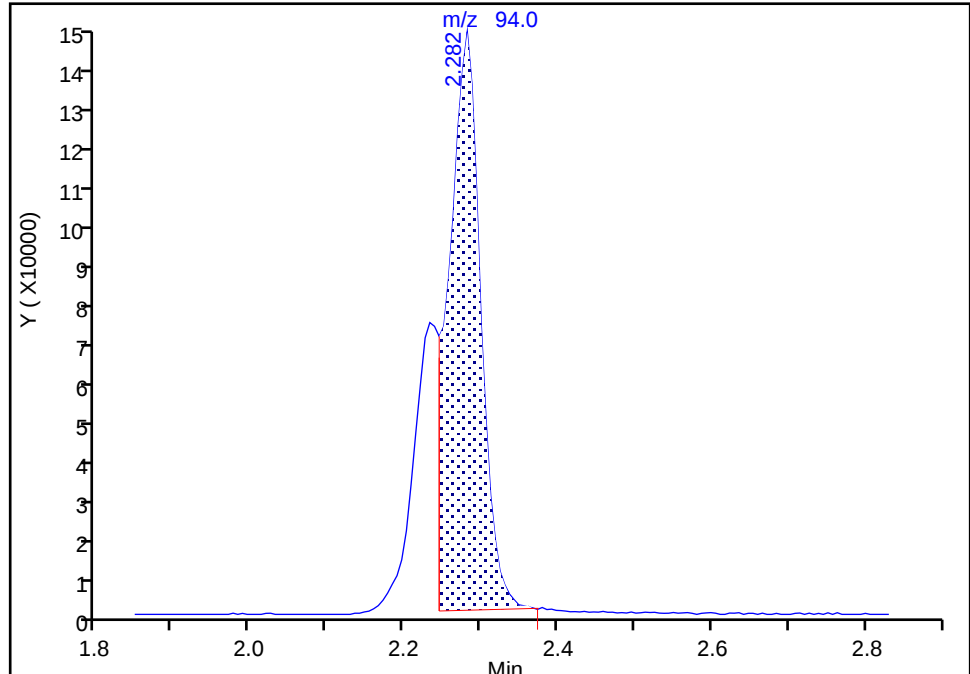
Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X02.D
Injection Date: 26-Dec-2024 09:50:30 Instrument ID: 16334
Lims ID: CCVIS VSTD12.5
Client ID:
Operator ID: ecr105096 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

9 Bromomethane, CAS: 74-83-9

Signal: 1

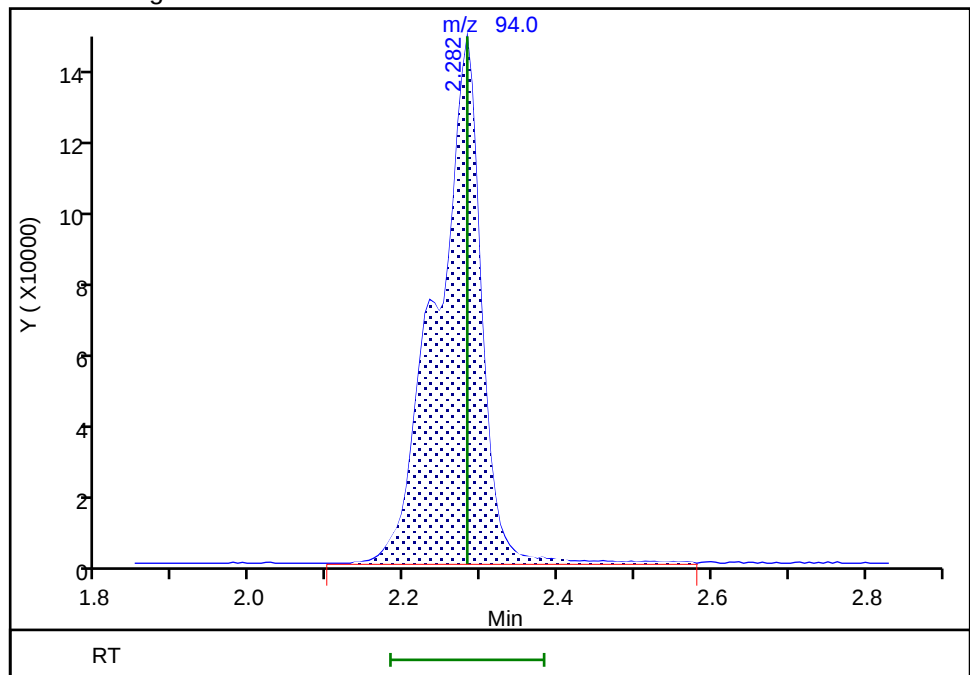
RT: 2.28
Area: 424904
Amount: 9.568052
Amount Units: ug/l

Processing Integration Results



RT: 2.28
Area: 592902
Amount: 13.351056
Amount Units: ug/l

Manual Integration Results



Reviewer: UKEK, 31-Dec-2024 17:59:21 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Other

Eurofins Lancaster Laboratories Environment Testing, LLC

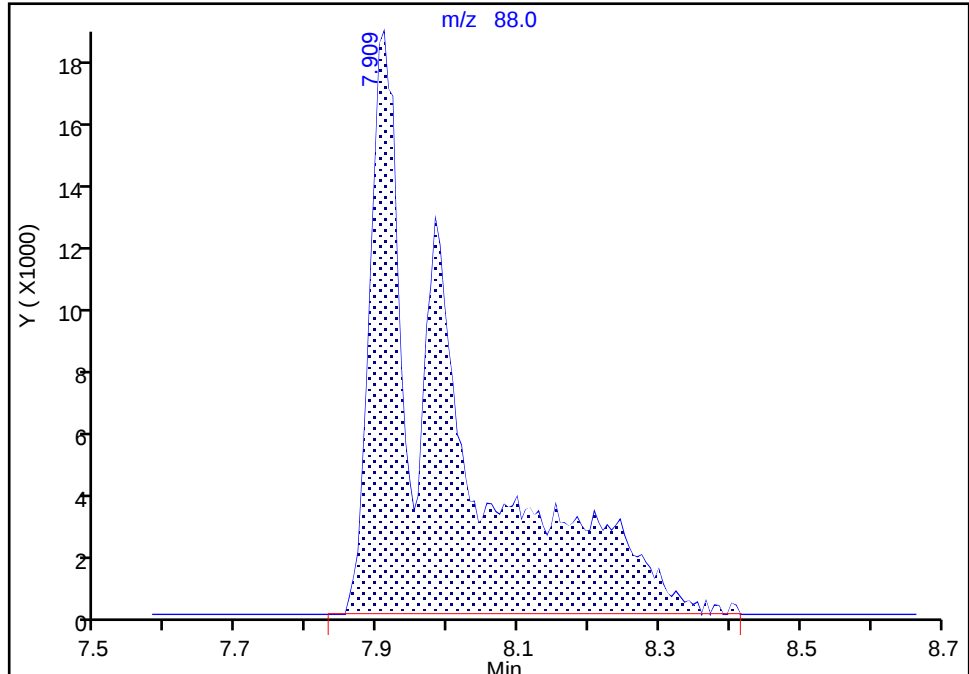
Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X02.D
Injection Date: 26-Dec-2024 09:50:30 Instrument ID: 16334
Lims ID: CCVIS VSTD12.5
Client ID:
Operator ID: ecr105096 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

73 1,4-Dioxane, CAS: 123-91-1

Signal: 1

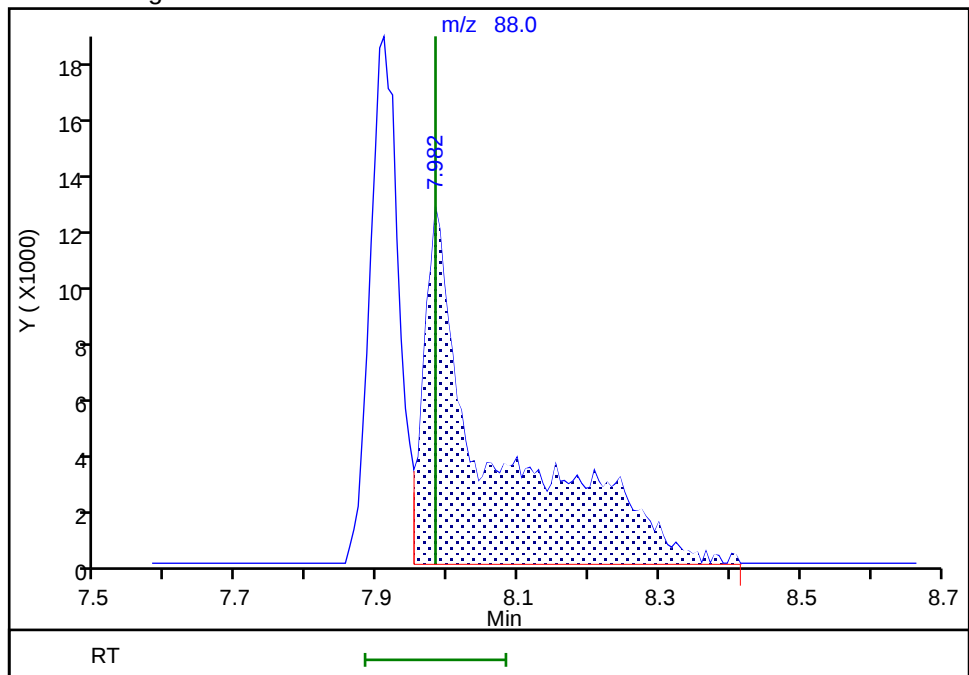
RT: 7.91
Area: 136651
Amount: 1222.6166
Amount Units: ug/l

Processing Integration Results



RT: 7.98
Area: 85200
Amount: 762.2845
Amount Units: ug/l

Manual Integration Results



Reviewer: N7YK, 26-Dec-2024 10:12:35 -05:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\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
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\$ 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

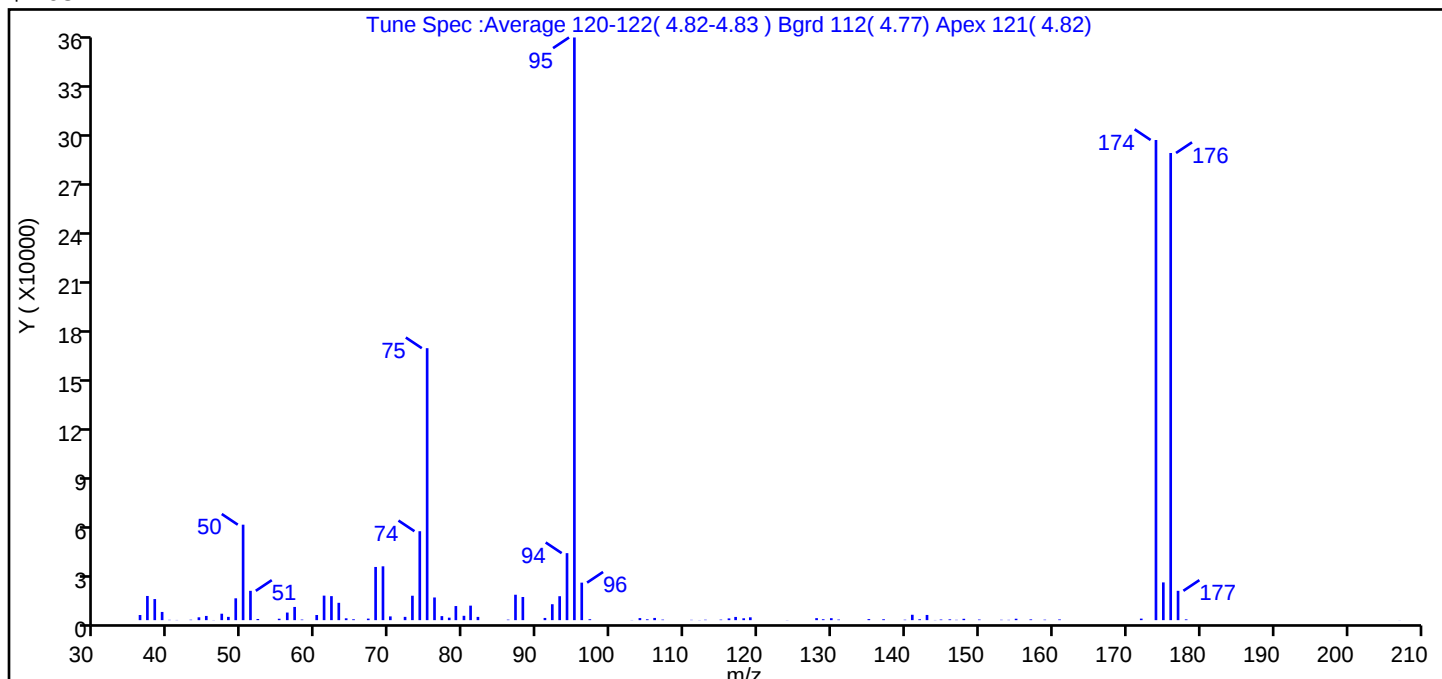
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

Tune Method: BFB Method 8260

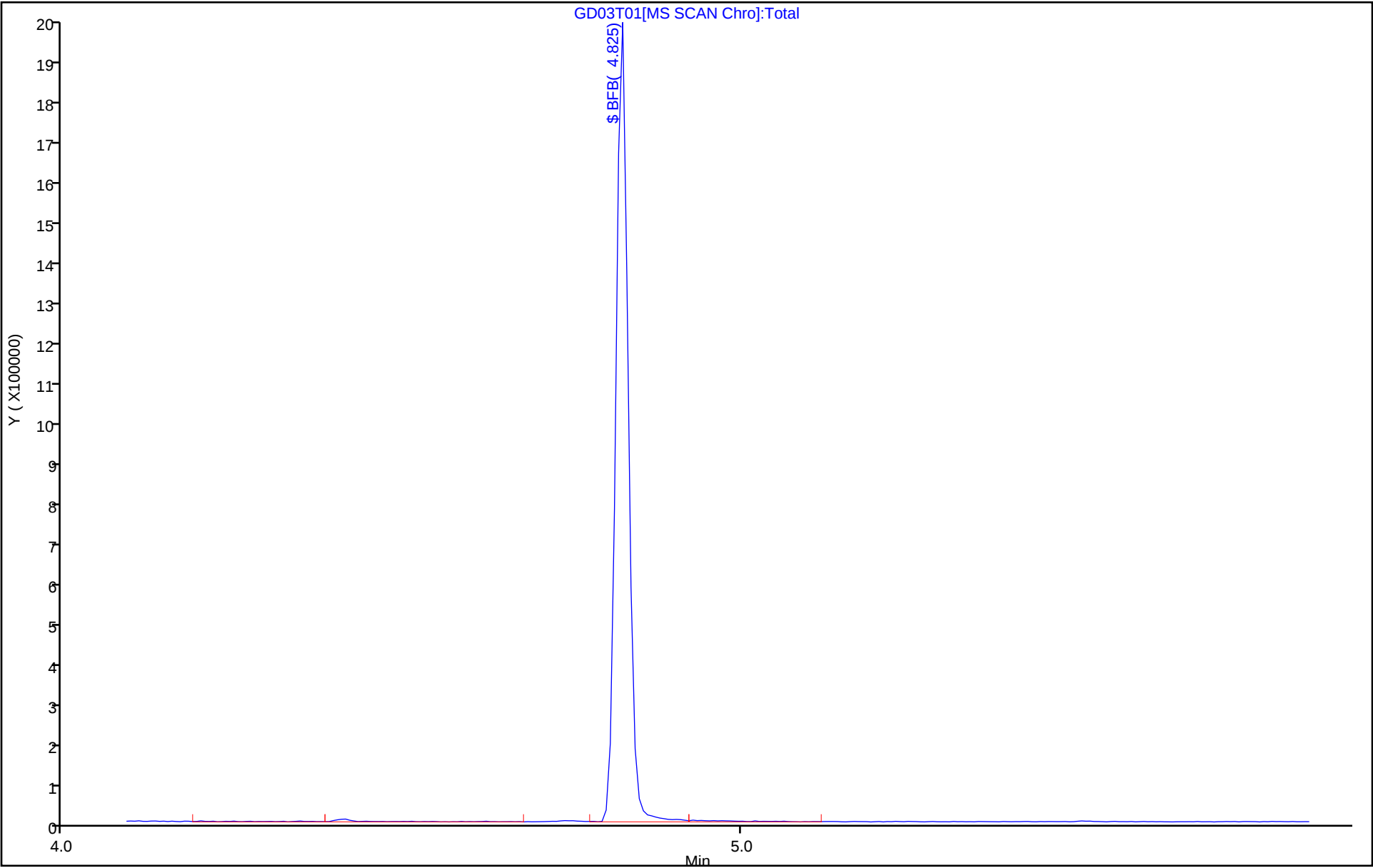
\$ 168 BFB



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\20241226-134250.b\GD26T02.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 26-Dec-2024 09:17:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 410-0134250-001
Misc. Info.: BFB
Operator ID: ecr105096 Instrument ID: 16334

Method: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 27-Dec-2024 09:53:03 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: CTX1647

First Level Reviewer: FQ4L Date: 27-Dec-2024 09:53:03

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
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\$ 168 BFB 95 4.818 4.818 0.000 0 424886 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\20241226-134250.b\GD26T02.D

Injection Date: 26-Dec-2024 09:17:30

Instrument ID: 16334

Lims ID: BFB

Client ID:

Operator ID: ecr105096

ALS Bottle#: 1 Worklist Smp#: 1

Injection Vol: 1.0 uL

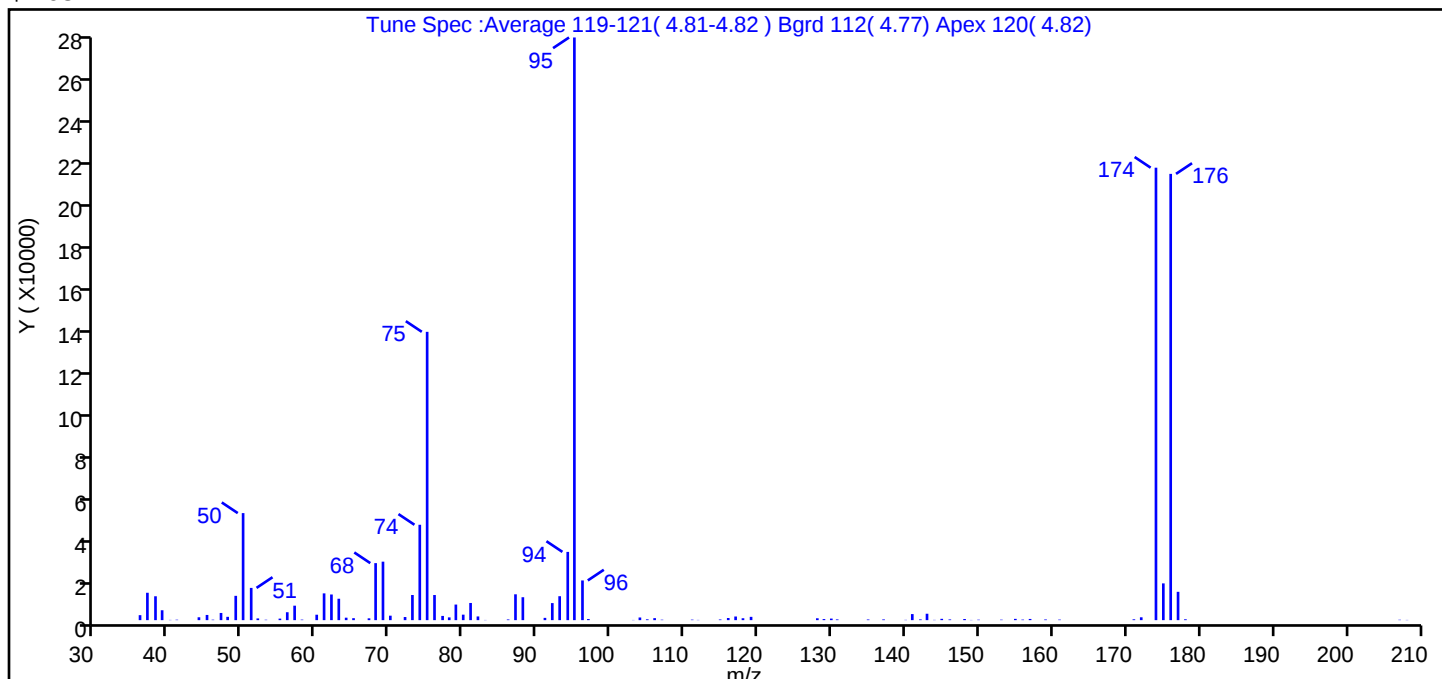
Dil. Factor: 1.0000

Method: MSV_16334_25mL

Limit Group: MSV - 8260C_D

Tune Method: BFB Method 8260

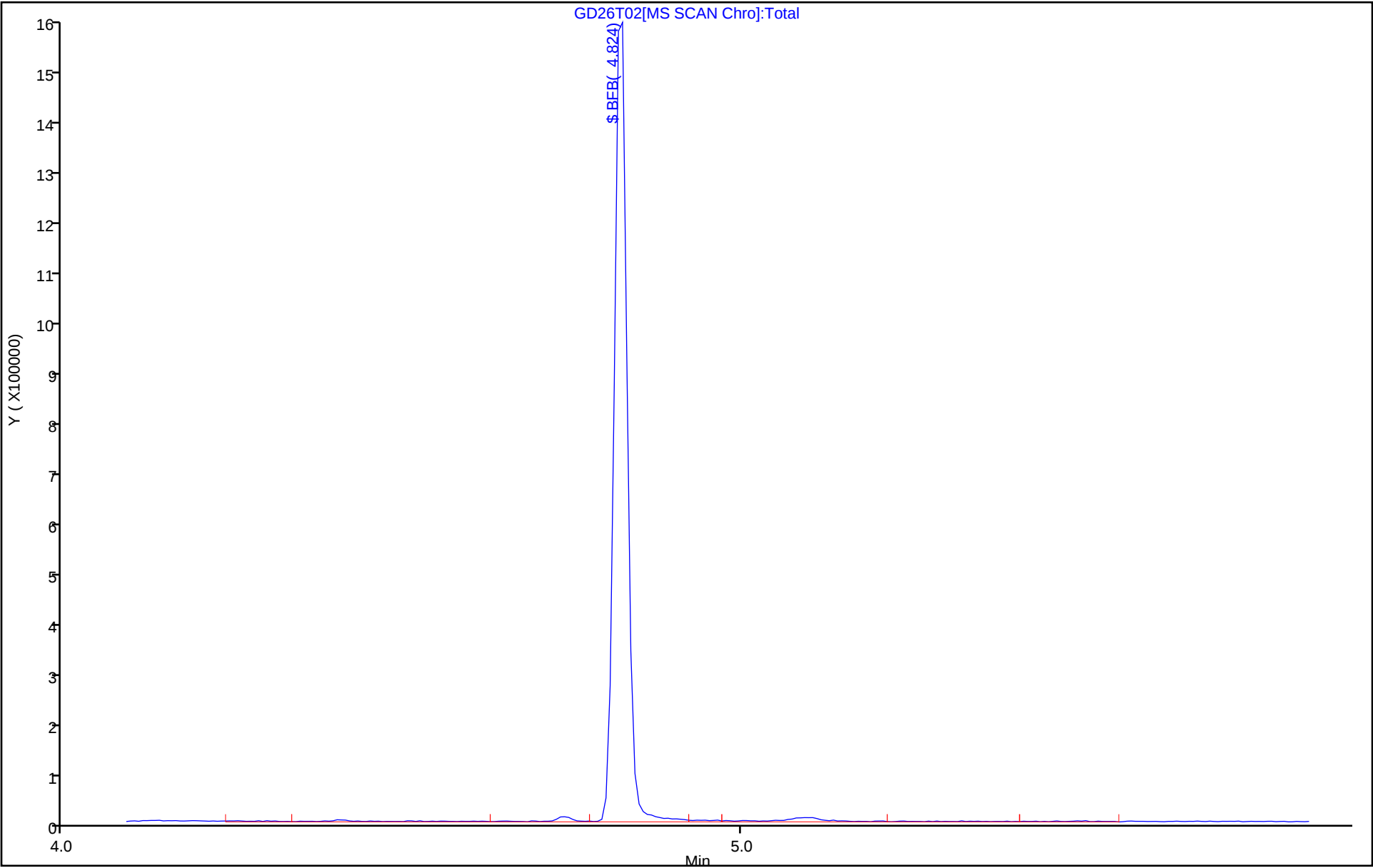
\$ 168 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	18.4
75	30 to 60% of m/z 95	49.5
96	5 to 9% of m/z 95	6.8
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	77.7
175	5 to 9% of m/z 174	6.3 (8.1)
176	Greater than 95% but less than 101% of m/z 174	76.6 (98.6)
177	5 to 9% of m/z 176	4.9 (6.3)

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26T02.D\MSV_16334_25mL.rslt\spectra.d
Injection Date: 26-Dec-2024 09:17:30
Spectrum: Tune Spec :Average 119-121(4.81-4.82) Bgrd 112(4.77) Apex 120(4.82)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 95

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2320	64.00	1146	94.00	31800	142.00	339
37.00	12754	65.00	915	95.00	271488	143.00	2985
38.00	11126	67.00	847	96.00	18496	144.00	122
39.00	4609	68.00	26568	97.00	506	145.00	616
40.00	109	69.00	27248	103.00	90	146.00	332
41.00	204	70.00	2080	104.00	1237	148.00	526
44.00	1338	72.00	1453	105.00	382	149.00	90
45.00	2421	73.00	11714	106.00	933	150.00	212
46.00	216	74.00	44440	107.00	206	153.00	218
47.00	3345	75.00	134336	111.00	236	155.00	595
48.00	1544	76.00	11706	112.00	106	156.00	251
49.00	11324	77.00	1965	115.00	314	157.00	554
50.00	49872	78.00	1285	116.00	996	159.00	312
51.00	15025	79.00	7261	117.00	1697	161.00	251
52.00	798	80.00	2558	118.00	885	171.00	390
53.00	190	81.00	7998	119.00	1536	172.00	1326
55.00	713	82.00	1724	128.00	870	174.00	210816
56.00	3686	83.00	91	129.00	504	175.00	17128
57.00	6738	86.00	326	130.00	726	176.00	207936
58.00	240	87.00	12040	131.00	342	177.00	13197
60.00	2528	88.00	10677	135.00	311	178.00	400
61.00	12473	91.00	1062	137.00	335	207.00	182
62.00	11954	92.00	7943	140.00	129	208.00	99
63.00	9975	93.00	11153	141.00	2823		



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-201498-1

SDG No.:

Client Sample ID:

Lab Sample ID: MB 410-589906/7

Matrix: Water

Lab File ID: GD26X06.D

Analysis Method: 8260D

Date Collected:

Sample wt/vol: 25 (mL)

Date Analyzed: 12/26/2024 11:18

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.: 589906

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.: 410-201498-1
SDG No.:	
Client Sample ID:	Lab Sample ID: MB 410-589906/7
Matrix: Water	Lab File ID: GD26X06.D
Analysis Method: 8260D	Date Collected:
Sample wt/vol: 25 (mL)	Date Analyzed: 12/26/2024 11:18
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.: 589906	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)	103		80-120
460-00-4	4-Bromofluorobenzene (Surr)	91		80-120
1868-53-7	Dibromofluoromethane (Surr)	105		80-120
2037-26-5	Toluene-d8 (Surr)	96		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X06.D
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 26-Dec-2024 11:18:30 ALS Bottle#: 6 Worklist Smp#: 7
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0134250-007
 Misc. Info.: MB
 Operator ID: ecr105096 Instrument ID: 16334
 Method: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\MSV_16334_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 26-Dec-2024 11:56:17 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: CTX1670

First Level Reviewer: N7YK

Date: 26-Dec-2024 11:55:59

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116		1.678					ND	
2 Dichlorodifluoromethane	85		1.715					ND	
3 Chlorodifluoromethane	51		1.727					ND	
4 Dimethyl ether	45	1.904	1.885	0.019	1	409		NC	
5 Chloromethane	50		1.886					ND	
7 Butadiene	39		1.971					ND	7
6 Vinyl chloride	62		1.989					ND	7
8 2-Chloro-1,1,1-Trifluoroethane	118		2.032					ND	
9 Bromomethane	94		2.282					ND	7
10 Chloroethane	64		2.312					ND	
11 Dichlorofluoromethane	67		2.514					ND	
12 Trichlorofluoromethane	101		2.605					ND	
13 Ethyl ether	59		2.770					ND	
16 1,2-Dichloro-1,1,2-trifluoroethane	67		2.849					ND	
17 Acrolein	56		2.916					ND	
18 1,1-Dichloroethene	96		3.026					ND	
19 Acetone	43		3.056					ND	
20 1,1,2-Trichloro-1,2,2-trifluoroethane	101		3.068					ND	
14 Ethanol	45		3.184					ND	
21 Isopropyl alcohol	45		3.190					ND	
22 Iodomethane	142		3.190					ND	
23 Ethyl bromide	108		3.215					ND	
24 Carbon disulfide	76	3.276	3.282	-0.006	57	11225		0.0705	M
25 Methyl acetate	43		3.416					ND	
26 Acetonitrile	41		3.422					ND	
27 3-Chloro-1-propene	41		3.428					ND	
29 Methylene Chloride	84		3.587					ND	
* 30 t-Butyl alcohol-d10 (IS)	65	3.586	3.617	-0.031	21	87671	50.0	50.0	
31 2-Methyl-2-propanol	59		3.708					ND	
32 Acrylonitrile	53		3.885					ND	
33 Methyl tert-butyl ether	73		3.934					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
34 trans-1,2-Dichloroethene	96		3.934					ND	
35 Hexane	57		4.330					ND	
37 1,1-Dichloroethane	63		4.562					ND	
36 Vinyl acetate	43		4.580					ND	
38 Isopropyl ether	45		4.629					ND	
39 2-Chloro-1,3-butadiene	53		4.678					ND	
40 Tert-butyl ethyl ether	59		5.190					ND	
41 2-Butanone (MEK)	43		5.397					ND	
42 cis-1,2-Dichloroethene	96		5.422					ND	
43 2,2-Dichloropropane	77		5.434					ND	
45 Propionitrile	54		5.482					ND	
44 Ethyl acetate	43		5.488					ND	
48 Methacrylonitrile	67		5.702					ND	
49 Chlorobromomethane	128		5.757					ND	
50 Tetrahydrofuran	71		5.781					ND	
51 Chloroform	83		5.921					ND	
46 Methyl acrylate	55		6.141					ND	
\$ 52 Dibromofluoromethane (Surr)	113	6.135	6.141	-0.006	93	475584	10.0	10.5	
53 1,1,1-Trichloroethane	97		6.147					ND	
S 47 1,2-Dichloroethene, Total	100		6.155					ND	7
54 Cyclohexane	56		6.245					ND	
55 Carbon tetrachloride	117		6.360					ND	
56 1,1-Dichloropropene	75		6.366					ND	
58 Isobutyl alcohol	41		6.574					ND	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.592	6.598	-0.006	66	89235	10.0	10.3	
60 Benzene	78		6.629					ND	
61 1,2-Dichloroethane	62		6.702					ND	
62 Isopropyl acetate	43		6.756					ND	
63 Tert-amyl methyl ether	73		6.842					ND	
* 64 Fluorobenzene (IS)	96	7.049	7.049	0.000	99	1925103	10.0	10.0	
57 1-Chlorobutane	56	7.043	7.067	-0.024	34	11671		NC	
65 n-Heptane	43		7.080					ND	7
67 n-Butanol	56		7.482					ND	
68 Trichloroethene	95		7.543					ND	
69 Methylcyclohexane	83		7.848					ND	
70 1,2-Dichloropropane	63		7.872					ND	
66 t-Amyl alcohol	73		7.903					ND	
71 2-ethoxy-2-methyl butane	87		7.909					ND	
73 1,4-Dioxane	88		7.982					ND	
74 Dibromomethane	93		7.988					ND	
72 Methyl methacrylate	69		7.994					ND	
75 n-Propyl acetate	61		8.085					ND	
76 Dichlorobromomethane	83		8.232					ND	
77 2-Nitropropane	41		8.518					ND	
78 2-Chloroethyl vinyl ether	63		8.622					ND	
79 1-Bromo-2-chloroethane	63		8.628					ND	
81 cis-1,3-Dichloropropene	75		8.805					ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.012					ND	
\$ 83 Toluene-d8 (Surr)	98	9.140	9.140	0.000	94	1916012	10.0	9.61	
80 Chloroacetonitrile	75		9.158					ND	
84 Toluene	92		9.226					ND	
85 trans-1,3-Dichloropropene	75		9.524					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		9.610					ND	
107 1,1,2-Trichloroethane	97		9.744					ND	
108 Tetrachloroethene	166		9.829					ND	
109 1,3-Dichloropropane	76		9.915					ND	
110 2-Hexanone	43		9.988					ND	
S 106 1,3-Dichloropropene, Total	100		10.060					ND	7
111 n-Butyl acetate	43		10.134					ND	
112 Chlorodibromomethane	129		10.140					ND	
113 Ethylene Dibromide	107		10.250					ND	
* 114 Chlorobenzene-d5 (IS)	117	10.707	10.707	0.000	86	1435870	10.0	10.0	
115 1-Chlorohexane	91		10.731					ND	7
116 Chlorobenzene	112		10.738					ND	
117 1,1,1,2-Tetrachloroethane	131		10.823					ND	
118 Ethylbenzene	91		10.835					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		11.311					ND	
123 Bromoform	173		11.463					ND	
124 Isopropylbenzene	105		11.603					ND	
125 cis-1,4-Dichloro-2-butene	88		11.658					ND	
126 Cyclohexanone	55		11.682					ND	U
\$ 127 4-Bromofluorobenzene (Surr)	95	11.743	11.743	0.000	91	627833	10.0	9.12	
128 1,1,2,2-Tetrachloroethane	83		11.859					ND	
129 Bromobenzene	156		11.859					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		12.347					ND	
138 1,2,4-Trimethylbenzene	105		12.365					ND	
139 sec-Butylbenzene	105		12.487					ND	
140 1,3-Dichlorobenzene	146		12.579					ND	
141 4-Isopropyltoluene	119		12.597					ND	7
* 142 1,4-Dichlorobenzene-d4	152	12.640	12.640	0.000	95	740096	10.0	10.0	
143 1,4-Dichlorobenzene	146		12.652					ND	7
144 1,2,3-Trimethylbenzene	120		12.670					ND	7
145 Benzyl chloride	126		12.737					ND	
146 p-Diethylbenzene	119		12.871					ND	
147 n-Butylbenzene	92		12.890					ND	
148 1,2-Dichlorobenzene	146		12.914					ND	
150 1,2-Dibromo-3-Chloropropane	155		13.457					ND	
149 Hexachloroethane	201		13.499					ND	
151 1,3,5-Trichlorobenzene	180		13.585					ND	7
152 1,2,4-Trichlorobenzene	180		14.005					ND	
153 Hexachlorobutadiene	225		14.091					ND	7
154 Naphthalene	128		14.182					ND	7
155 1,2,3-Trichlorobenzene	180		14.322					ND	
156 2-Methylnaphthalene	142	14.920	14.901	0.019	81	2481		0.1685	

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	2.806	2.770	0.036	1	95			NR

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

NC - Not Calibrated

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

U - Marked Undetected

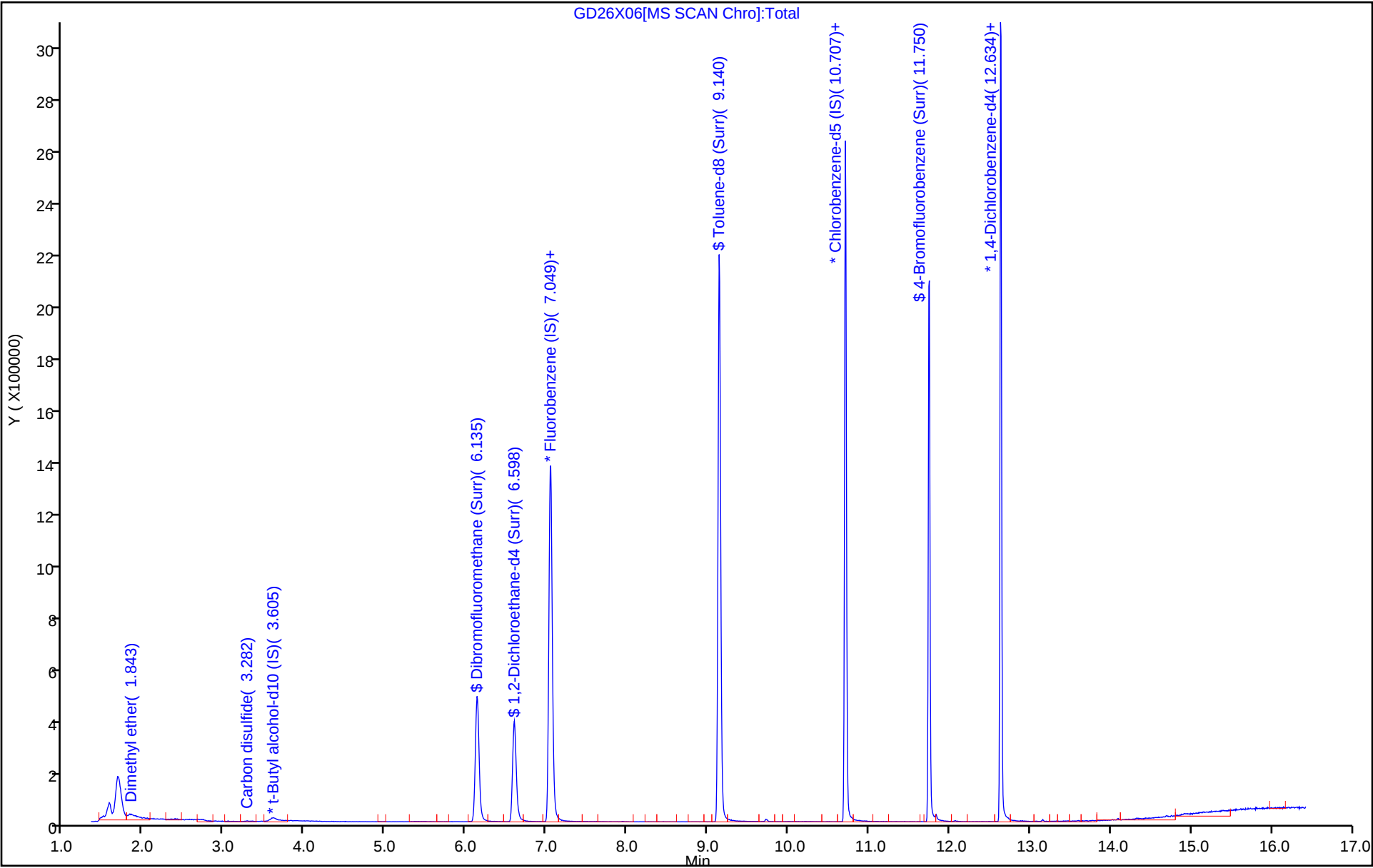
Reagents:

MSV_29_826ISS_00058

Amount Added: 1.20

Units: uL

Run Reagent



Eurofins Lancaster Laboratories Environment Testing, LLC
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X06.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 26-Dec-2024 11:18:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0134250-007
Misc. Info.: MB
Operator ID: ecr105096 Instrument ID: 16334
Method: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 26-Dec-2024 11:56:17 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: CTX1670

First Level Reviewer: N7YK

Date: 26-Dec-2024 11:55:59

Compound	Amount Added	Amount Recovered	% Rec.
\$ 52 Dibromofluoromethane (Surr)	10.0	10.5	104.71
\$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.3	102.98
\$ 83 Toluene-d8 (Surr)	10.0	9.61	96.14
\$ 127 4-Bromofluorobenzene (Surr)	10.0	9.12	91.22

Eurofins Lancaster Laboratories Environment Testing, LLC

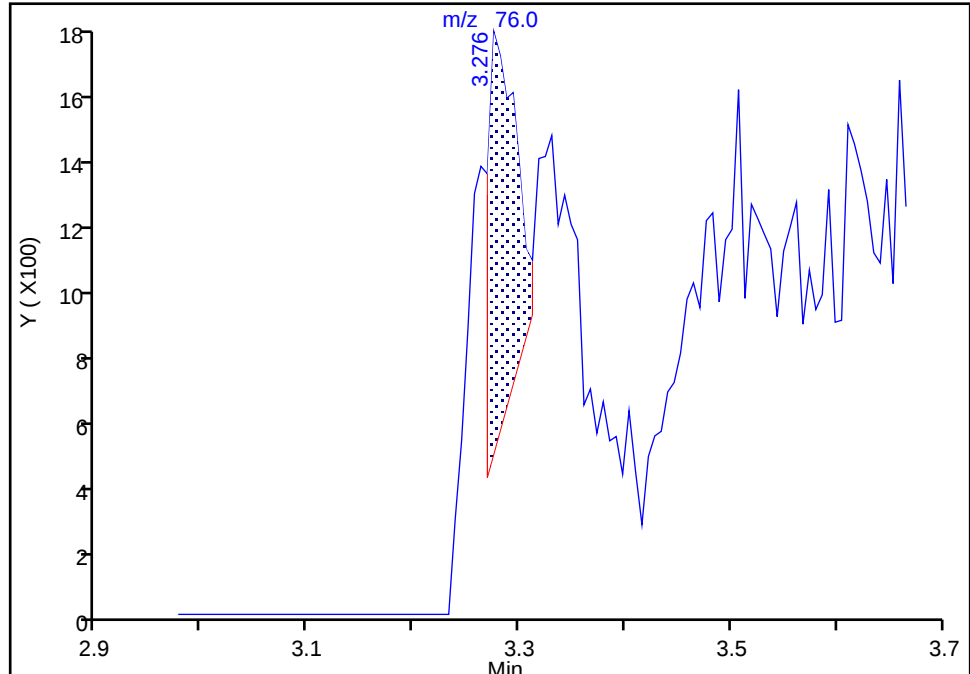
Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X06.D
Injection Date: 26-Dec-2024 11:18:30 Instrument ID: 16334
Lims ID: MB
Client ID:
Operator ID: ecr105096 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

24 Carbon disulfide, CAS: 75-15-0

Signal: 1

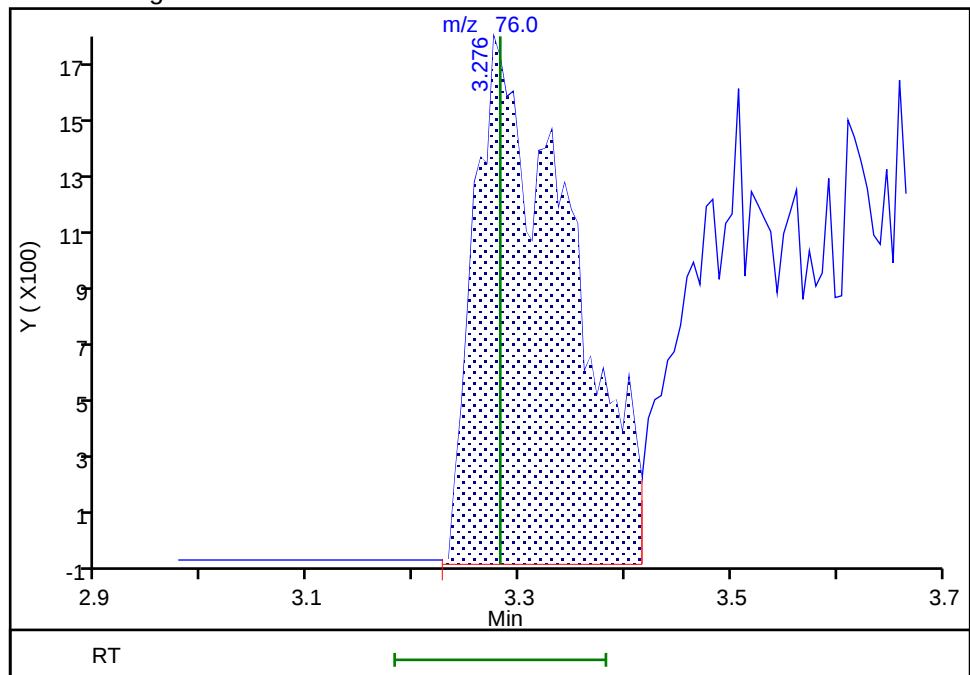
RT: 3.28
Area: 2283
Amount: 0.014343
Amount Units: ug/l

Processing Integration Results



RT: 3.28
Area: 11225
Amount: 0.070523
Amount Units: ug/l

Manual Integration Results



Reviewer: N7YK, 26-Dec-2024 11:53:20 -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.: 410-201498-1

SDG No.:

Client Sample ID:

Lab Sample ID: LCS 410-589906/4

Matrix: Water

Lab File ID: GD26X03.D

Analysis Method: 8260D

Date Collected:

Sample wt/vol: 25 (mL)

Date Analyzed: 12/26/2024 10:12

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 589906

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	5.45		0.50	0.070
71-55-6	1,1,1-Trichloroethane	5.66		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	5.55		0.50	0.10
79-00-5	1,1,2-Trichloroethane	5.46		0.50	0.080
75-34-3	1,1-Dichloroethane	5.61		0.50	0.10
75-35-4	1,1-Dichloroethene	5.61		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	5.57		0.50	0.080
107-06-2	1,2-Dichloroethane	5.59		0.50	0.070
78-87-5	1,2-Dichloropropane	5.60		0.50	0.10
78-93-3	2-Butanone (MEK)	67.8		5.0	1.0
591-78-6	2-Hexanone	67.1		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	68.1		5.0	1.0
67-64-1	Acetone	58.8		5.0	1.5
71-43-2	Benzene	5.30		0.50	0.10
74-97-5	Bromochloromethane	5.68		0.50	0.080
75-27-4	Bromodichloromethane	5.72		0.50	0.080
75-25-2	Bromoform	5.86		1.0	0.30
74-83-9	Bromomethane	5.46		0.50	0.10
75-15-0	Carbon disulfide	5.11		1.0	0.10
56-23-5	Carbon tetrachloride	5.76		0.50	0.10
108-90-7	Chlorobenzene	5.24		0.50	0.070
75-00-3	Chloroethane	5.96		0.50	0.10
67-66-3	Chloroform	5.51		0.50	0.090
74-87-3	Chloromethane	5.20		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	5.42		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	5.09		0.50	0.10
124-48-1	Dibromochloromethane	5.65		0.50	0.080
100-41-4	Ethylbenzene	5.35		0.50	0.080
1634-04-4	Methyl tert-butyl ether	5.20		0.50	0.080
75-09-2	Methylene Chloride	5.44		0.50	0.20
100-42-5	Styrene	5.73		0.50	0.070
127-18-4	Tetrachloroethene	5.14		0.50	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-201498-1

SDG No.:

Client Sample ID:

Lab Sample ID: LCS 410-589906/4

Matrix: Water

Lab File ID: GD26X03.D

Analysis Method: 8260D

Date Collected:

Sample wt/vol: 25 (mL)

Date Analyzed: 12/26/2024 10:12

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 589906

Units: ug/L

Preparation Batch No.:

Instrument ID: 16334

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	5.32		0.50	0.080
156-60-5	trans-1,2-Dichloroethene	5.44		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	5.27		0.50	0.080
79-01-6	Trichloroethene	5.42		0.50	0.080
75-01-4	Vinyl chloride	5.27		0.50	0.10
1330-20-7	Xylenes, Total	16.1		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		80-120
460-00-4	4-Bromofluorobenzene (Surr)	98		80-120
1868-53-7	Dibromofluoromethane (Surr)	102		80-120
2037-26-5	Toluene-d8 (Surr)	98		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X03.D
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 26-Dec-2024 10:12:30 ALS Bottle#: 3 Worklist Smp#: 4
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0134250-004
 Misc. Info.: LCS
 Operator ID: ecr105096 Instrument ID: 16334
 Method: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\MSV_16334_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 31-Dec-2024 18:01:55 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: CTX1726

First Level Reviewer: N7YK

Date: 26-Dec-2024 10:37:28

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.703	1.715	-0.012	99	352160	5.00	5.77	
5 Chloromethane	50	1.879	1.886	-0.007	99	381293	5.00	5.20	
7 Butadiene	39	1.959	1.971	-0.012	91	472081	5.00	7.00	
6 Vinyl chloride	62	1.977	1.989	-0.012	98	349535	5.00	5.27	
9 Bromomethane	94	2.270	2.282	-0.012	91	235421	5.00	5.46	M
10 Chloroethane	64	2.306	2.312	-0.006	100	199719	5.00	5.96	
11 Dichlorofluoromethane	67	2.501	2.514	-0.013	97	550380	5.00	5.86	
12 Trichlorofluoromethane	101	2.593	2.605	-0.012	98	460839	5.00	6.27	
16 1,2-Dichloro-1,1,2-trifluoroethane	67	2.830	2.849	-0.019	93	329668	5.00	5.95	
18 1,1-Dichloroethene	96	3.013	3.026	-0.013	97	241446	5.00	5.61	
19 Acetone	43	3.050	3.056	-0.006	86	284145	62.5	58.8	
20 1,1,2-Trichloro-1,2,2-trifluoroethane	101	3.056	3.068	-0.012	93	230824	5.00	5.09	
21 Isopropyl alcohol	45	3.190	3.190	0.000	25	19752	37.5	40.7	
22 Iodomethane	142	3.178	3.190	-0.012	100	391949	5.00	4.71	
24 Carbon disulfide	76	3.269	3.282	-0.013	99	805759	5.00	5.11	
25 Methyl acetate	43	3.410	3.416	-0.006	31	60592	5.00	2.97	
27 3-Chloro-1-propene	41	3.416	3.428	-0.012	92	364893	5.00	4.88	
29 Methylene Chloride	84	3.574	3.587	-0.012	93	259035	5.00	5.44	
* 30 t-Butyl alcohol-d10 (IS)	65	3.605	3.617	-0.012	99	84259	50.0	50.0	M
31 2-Methyl-2-propanol	59	3.696	3.708	-0.012	85	46001	50.0	46.5	
32 Acrylonitrile	53	3.879	3.885	-0.006	99	180783	25.0	27.3	
33 Methyl tert-butyl ether	73	3.922	3.934	-0.012	94	499461	5.00	5.20	
34 trans-1,2-Dichloroethene	96	3.928	3.934	-0.006	98	275279	5.00	5.44	
35 Hexane	57	4.324	4.330	-0.006	92	351739	5.00	5.32	
37 1,1-Dichloroethane	63	4.550	4.562	-0.012	96	513825	5.00	5.61	
38 Isopropyl ether	45	4.629	4.629	0.000	93	754526	5.00	5.23	
39 2-Chloro-1,3-butadiene	53	4.671	4.678	-0.007	91	358522	5.00	5.11	
40 Tert-butyl ethyl ether	59	5.177	5.190	-0.013	98	655925	5.00	5.17	
41 2-Butanone (MEK)	43	5.391	5.397	-0.006	100	562030	62.5	67.8	
42 cis-1,2-Dichloroethene	96	5.415	5.422	-0.007	82	300098	5.00	5.42	
43 2,2-Dichloropropane	77	5.421	5.434	-0.013	87	422847	5.00	5.42	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
45 Propionitrile	54	5.494	5.482	0.012	97	63262	37.5	29.5	
48 Methacrylonitrile	67	5.702	5.702	0.000	91	374172	37.5	41.9	
49 Chlorobromomethane	128	5.751	5.757	-0.006	96	117877	5.00	5.68	
50 Tetrahydrofuran	71	5.787	5.781	0.006	79	61063	25.0	25.8	
51 Chloroform	83	5.915	5.921	-0.006	93	495249	5.00	5.51	
\$ 52 Dibromofluoromethane (Surr)	113	6.135	6.141	-0.006	93	459538	10.0	10.2	
53 1,1,1-Trichloroethane	97	6.141	6.147	-0.006	97	450458	5.00	5.66	
54 Cyclohexane	56	6.238	6.245	-0.007	91	417812	5.00	5.26	
55 Carbon tetrachloride	117	6.354	6.360	-0.006	96	391983	5.00	5.76	
56 1,1-Dichloropropene	75	6.360	6.366	-0.006	98	377897	5.00	5.32	
58 Isobutyl alcohol	41	6.580	6.574	0.006	38	38443	125.0	110.9	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.592	6.598	-0.006	89	87481	10.0	10.2	
60 Benzene	78	6.622	6.629	-0.007	97	1124031	5.00	5.30	
61 1,2-Dichloroethane	62	6.695	6.702	-0.007	97	271508	5.00	5.59	
63 Tert-amyl methyl ether	73	6.842	6.842	0.000	98	545514	5.00	5.18	
* 64 Fluorobenzene (IS)	96	7.043	7.049	-0.006	98	1908929	10.0	10.0	
65 n-Heptane	43	7.073	7.080	-0.007	94	382021	5.00	5.88	
67 n-Butanol	56	7.500	7.482	0.018	93	77567	250.0	259.8	
68 Trichloroethene	95	7.537	7.543	-0.006	99	294914	5.00	5.42	
69 Methylcyclohexane	83	7.848	7.848	0.000	92	444969	5.00	5.34	
70 1,2-Dichloropropane	63	7.872	7.872	0.000	97	287217	5.00	5.60	
71 2-ethoxy-2-methyl butane	87	7.909	7.909	0.000	94	386980	5.00	5.24	
73 1,4-Dioxane	88	7.988	7.982	0.006	29	18914	125.0	175.6	M
74 Dibromomethane	93	7.982	7.988	-0.006	97	120051	5.00	5.70	
72 Methyl methacrylate	69	7.988	7.994	-0.006	92	81689	5.00	4.81	
76 Dichlorobromomethane	83	8.232	8.232	0.000	99	336362	5.00	5.72	
77 2-Nitropropane	41	8.518	8.518	0.000	97	23670	5.00	4.57	
79 1-Bromo-2-chloroethane	63	8.628	8.628	0.000	99	244123	5.00	5.54	
81 cis-1,3-Dichloropropene	75	8.805	8.805	0.000	96	366670	5.00	5.09	
82 4-Methyl-2-pentanone (MIBK)	43	9.012	9.012	0.000	97	1460315	62.5	68.1	
\$ 83 Toluene-d8 (Surr)	98	9.140	9.140	0.000	94	1931028	10.0	9.80	
84 Toluene	92	9.225	9.226	-0.001	98	727726	5.00	5.32	
85 trans-1,3-Dichloropropene	75	9.524	9.524	0.000	92	301412	5.00	5.27	
86 Ethyl methacrylate	69	9.610	9.610	0.000	89	173320	5.00	5.02	
107 1,1,2-Trichloroethane	97	9.744	9.744	0.000	92	172638	5.00	5.46	
108 Tetrachloroethene	166	9.829	9.829	0.000	96	317450	5.00	5.14	
109 1,3-Dichloropropane	76	9.914	9.915	-0.001	90	296849	5.00	5.44	
110 2-Hexanone	43	9.994	9.988	0.006	96	997962	62.5	67.1	
112 Chlorodibromomethane	129	10.140	10.140	0.000	90	217701	5.00	5.65	
113 Ethylene Dibromide	107	10.250	10.250	0.000	98	156619	5.00	5.57	
* 114 Chlorobenzene-d5 (IS)	117	10.707	10.707	0.000	85	1419353	10.0	10.0	
115 1-Chlorohexane	91	10.731	10.731	0.000	96	357939	5.00	4.86	
116 Chlorobenzene	112	10.737	10.738	-0.001	95	804747	5.00	5.24	
117 1,1,1,2-Tetrachloroethane	131	10.823	10.823	0.000	95	271764	5.00	5.45	
118 Ethylbenzene	91	10.835	10.835	0.000	98	1422052	5.00	5.35	
120 m-Xylene & p-Xylene	106	10.951	10.951	0.000	100	1103282	10.0	10.8	
121 o-Xylene	106	11.292	11.292	0.000	97	517495	5.00	5.28	
122 Styrene	104	11.310	11.311	-0.001	95	854582	5.00	5.73	
123 Bromoform	173	11.463	11.463	0.000	96	116824	5.00	5.86	
124 Isopropylbenzene	105	11.603	11.603	0.000	96	1384861	5.00	6.02	
\$ 127 4-Bromofluorobenzene (Surr)	95	11.743	11.743	0.000	90	668339	10.0	9.82	
128 1,1,2,2-Tetrachloroethane	83	11.859	11.859	0.000	66	196966	5.00	5.55	

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	91	317993	5.00	5.34	
130 trans-1,4-Dichloro-2-butene	53	11.883	11.884	-0.001	86	98390	25.0	10.8	
131 1,2,3-Trichloropropane	110	11.902	11.902	0.000	83	54104	5.00	5.72	
132 N-Propylbenzene	91	11.938	11.939	-0.001	99	1702516	5.00	5.33	
133 2-Chlorotoluene	126	12.012	12.012	0.000	96	326606	5.00	5.14	
134 1,3,5-Trimethylbenzene	105	12.079	12.079	0.000	93	1214397	5.00	5.39	
135 4-Chlorotoluene	126	12.103	12.103	0.000	98	342820	5.00	5.22	
136 tert-Butylbenzene	134	12.322	12.323	-0.001	93	233344	5.00	4.77	
138 1,2,4-Trimethylbenzene	105	12.365	12.365	0.000	98	1240137	5.00	5.37	
139 sec-Butylbenzene	105	12.487	12.487	0.000	94	1558854	5.00	5.33	
140 1,3-Dichlorobenzene	146	12.578	12.579	-0.001	98	677702	5.00	5.35	
141 4-Isopropyltoluene	119	12.597	12.597	0.000	97	1324727	5.00	5.31	
* 142 1,4-Dichlorobenzene-d4	152	12.639	12.640	-0.001	93	765213	10.0	10.0	
143 1,4-Dichlorobenzene	146	12.652	12.652	0.000	95	679630	5.00	5.25	
144 1,2,3-Trimethylbenzene	120	12.670	12.670	0.000	99	506362	5.00	5.13	
145 Benzyl chloride	126	12.737	12.737	0.000	98	75636	5.00	5.26	
146 p-Diethylbenzene	119	12.871	12.871	0.000	93	816943	5.00	5.30	
147 n-Butylbenzene	92	12.889	12.890	-0.001	98	698246	5.00	5.46	
148 1,2-Dichlorobenzene	146	12.914	12.914	0.000	98	588952	5.00	5.36	
150 1,2-Dibromo-3-Chloropropane	155	13.456	13.457	-0.001	81	22287	5.00	4.93	
151 1,3,5-Trichlorobenzene	180	13.584	13.585	-0.001	97	525376	5.00	5.28	
152 1,2,4-Trichlorobenzene	180	14.005	14.005	0.000	94	424069	5.00	5.34	
153 Hexachlorobutadiene	225	14.090	14.091	-0.001	97	242631	5.00	5.60	
154 Naphthalene	128	14.182	14.182	0.000	97	583834	5.00	5.53	
155 1,2,3-Trichlorobenzene	180	14.322	14.322	0.000	95	339583	5.00	5.49	
156 2-Methylnaphthalene	142	14.907	14.901	0.006	91	307484	5.00	5.57	
167 Pentane	43	2.763	2.770	-0.007	1	135	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Review Flags

M - Manually Integrated

Reagents:

MSV_QC_Gas826_00238

Amount Added: 12.50

Units: uL

MSV_LCS_VOC#1_00201

Amount Added: 12.50

Units: uL

MSV_29_826ISS_00058

Amount Added: 1.20

Units: uL

Run Reagent

Report Date: 31-Dec-2024 18:02:00

Chrom Revision: 2.3 17-Dec-2024 12:44:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X03.D

Injection Date: 26-Dec-2024 10:12:30

Instrument ID: 16334

Operator ID: ecr105096

Lims ID: LCS

Worklist Smp#: 4

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

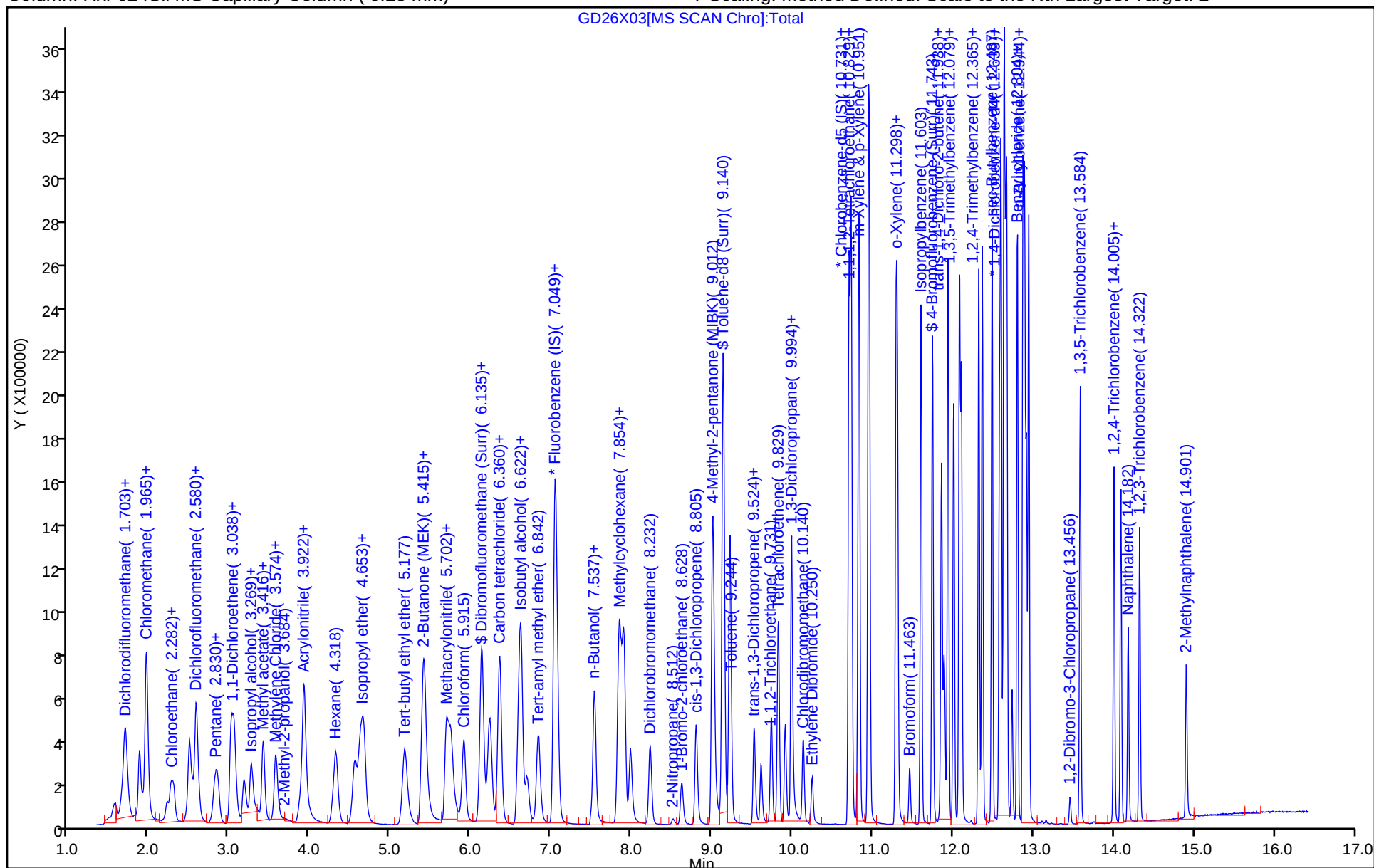
ALS Bottle#: 3

Method: MSV_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\20241226-134250.b\GD26X03.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 26-Dec-2024 10:12:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0134250-004
Misc. Info.: LCS
Operator ID: ecr105096 Instrument ID: 16334
Method: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 31-Dec-2024 18:01:55 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: CTX1726

First Level Reviewer: N7YK

Date: 26-Dec-2024 10:37:28

Compound	Amount Added	Amount Recovered	% Rec.
\$ 52 Dibromofluoromethane (Surr)	10.0	10.2	102.03
\$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.2	101.81
\$ 83 Toluene-d8 (Surr)	10.0	9.80	98.02
\$ 127 4-Bromofluorobenzene (Surr)	10.0	9.82	98.24

Eurofins Lancaster Laboratories Environment Testing, LLC

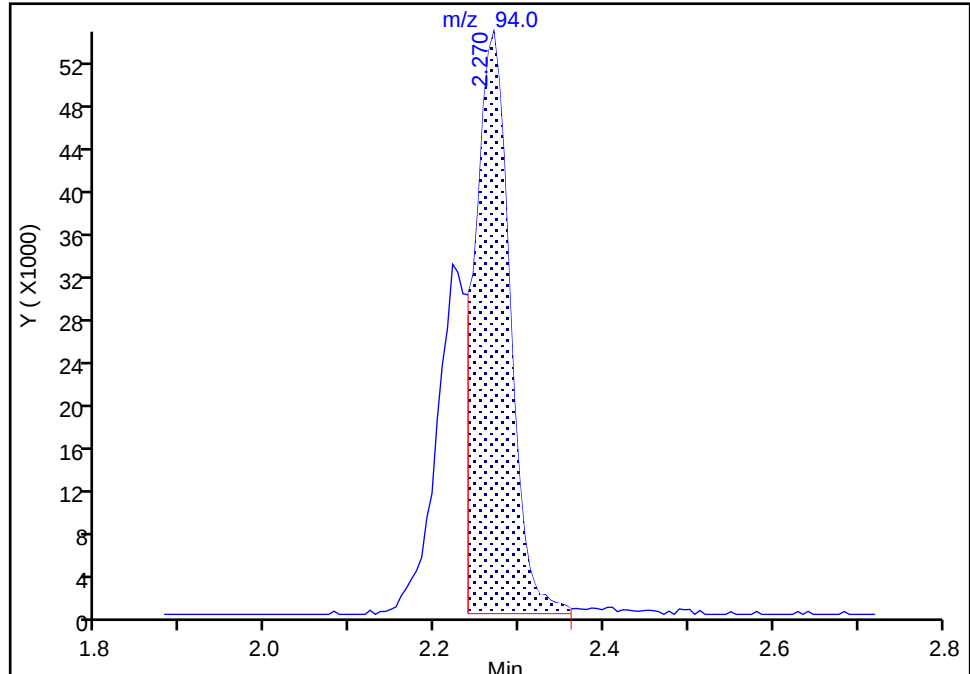
Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X03.D
Injection Date: 26-Dec-2024 10:12:30 Instrument ID: 16334
Lims ID: LCS
Client ID:
Operator ID: ecr105096 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

9 Bromomethane, CAS: 74-83-9

Signal: 1

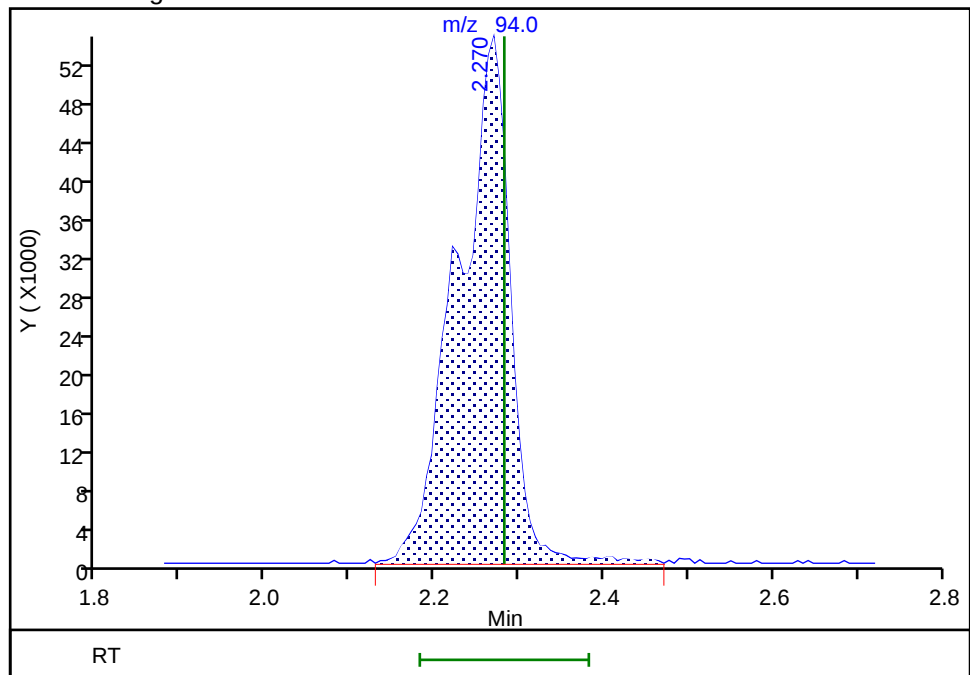
RT: 2.27
Area: 158865
Amount: 3.681216
Amount Units: ug/l

Processing Integration Results



RT: 2.27
Area: 235421
Amount: 5.455170
Amount Units: ug/l

Manual Integration Results



Reviewer: UKEK, 31-Dec-2024 17:59:41 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Other

Eurofins Lancaster Laboratories Environment Testing, LLC

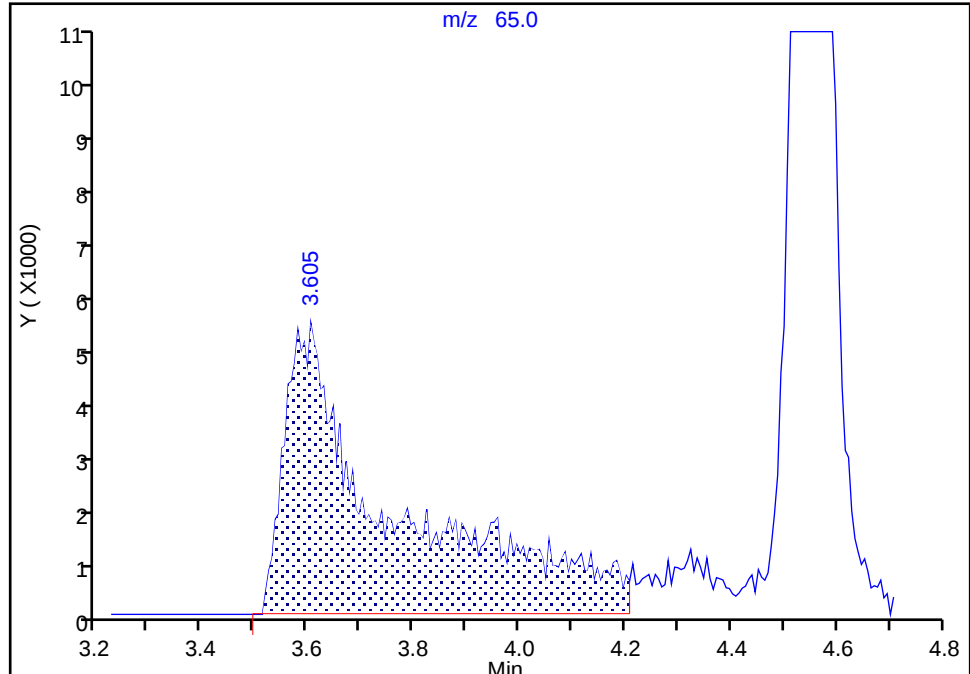
Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X03.D
Injection Date: 26-Dec-2024 10:12:30 Instrument ID: 16334
Lims ID: LCS
Client ID:
Operator ID: ecr105096 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm i.d.) MS Quad

* 30 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

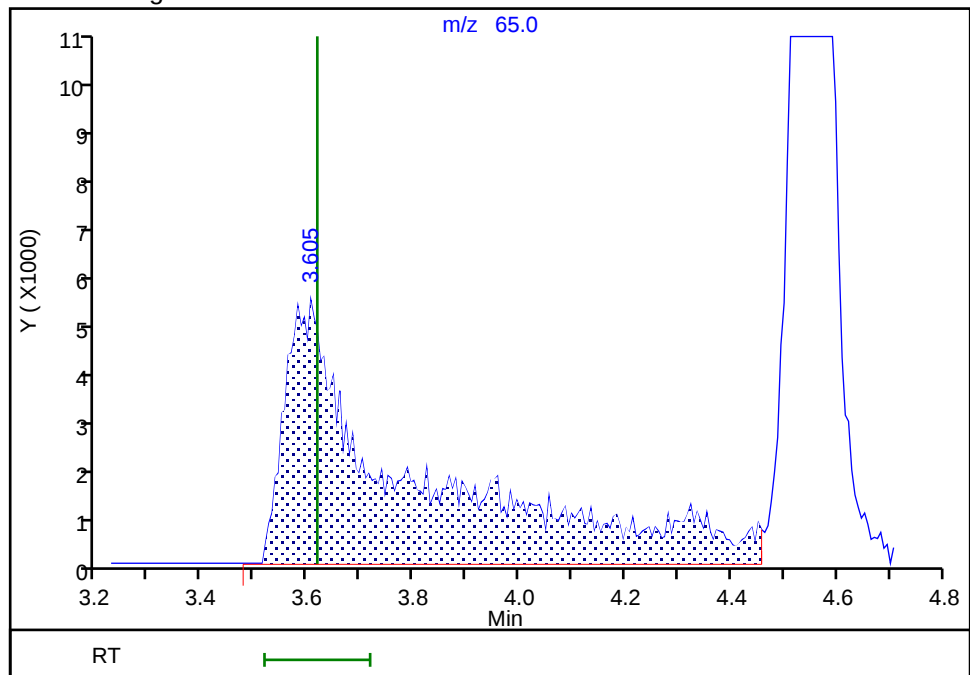
RT: 3.60
Area: 74190
Amount: 49.998300
Amount Units: ug/l

Processing Integration Results



RT: 3.60
Area: 84259
Amount: 49.998300
Amount Units: ug/l

Manual Integration Results



Reviewer: N7YK, 26-Dec-2024 10:36:22 -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.: 410-201498-1

SDG No.:

Client Sample ID:

Lab Sample ID: LCSD 410-589906/5

Matrix: Water

Lab File ID: GD26X04.D

Analysis Method: 8260D

Date Collected:

Sample wt/vol: 25 (mL)

Date Analyzed: 12/26/2024 10:34

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 589906

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	5.57		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	5.76		0.50	0.10
79-00-5	1,1,2-Trichloroethane	5.61		0.50	0.080
75-34-3	1,1-Dichloroethane	5.72		0.50	0.10
75-35-4	1,1-Dichloroethene	5.77		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	5.75		0.50	0.080
107-06-2	1,2-Dichloroethane	5.85		0.50	0.070
78-87-5	1,2-Dichloropropane	5.76		0.50	0.10
78-93-3	2-Butanone (MEK)	71.3		5.0	1.0
591-78-6	2-Hexanone	69.9		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	70.1		5.0	1.0
67-64-1	Acetone	63.3		5.0	1.5
71-43-2	Benzene	5.41		0.50	0.10
74-97-5	Bromochloromethane	5.75		0.50	0.080
75-27-4	Bromodichloromethane	5.75		0.50	0.080
75-25-2	Bromoform	5.83		1.0	0.30
74-83-9	Bromomethane	5.61		0.50	0.10
75-15-0	Carbon disulfide	5.12		1.0	0.10
56-23-5	Carbon tetrachloride	5.84		0.50	0.10
108-90-7	Chlorobenzene	5.41		0.50	0.070
75-00-3	Chloroethane	6.00		0.50	0.10
67-66-3	Chloroform	5.66		0.50	0.090
74-87-3	Chloromethane	5.21		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	5.43		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	5.27		0.50	0.10
124-48-1	Dibromochloromethane	5.78		0.50	0.080
100-41-4	Ethylbenzene	5.45		0.50	0.080
1634-04-4	Methyl tert-butyl ether	5.38		0.50	0.080
75-09-2	Methylene Chloride	5.56		0.50	0.20
100-42-5	Styrene	5.84		0.50	0.070
127-18-4	Tetrachloroethene	5.30		0.50	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-201498-1

SDG No.:

Client Sample ID:

Lab Sample ID: LCSD 410-589906/5

Matrix: Water

Lab File ID: GD26X04.D

Analysis Method: 8260D

Date Collected:

Sample wt/vol: 25 (mL)

Date Analyzed: 12/26/2024 10:34

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 589906

Units: ug/L

Preparation Batch No.:

Instrument ID: 16334

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	5.49		0.50	0.080
156-60-5	trans-1,2-Dichloroethene	5.54		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	5.49		0.50	0.080
79-01-6	Trichloroethene	5.46		0.50	0.080
75-01-4	Vinyl chloride	5.33		0.50	0.10
1330-20-7	Xylenes, Total	16.5		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)	98		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\20241226-134250.b\GD26X04.D
 Lims ID: LCSD
 Client ID:
 Sample Type: LCSD
 Inject. Date: 26-Dec-2024 10:34:30 ALS Bottle#: 4 Worklist Smp#: 5
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0134250-005
 Misc. Info.: LCSD
 Operator ID: ecr105096 Instrument ID: 16334
 Method: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\MSV_16334_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 31-Dec-2024 18:01:55 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: CTX1726

First Level Reviewer: N7YK

Date: 26-Dec-2024 11:07:26

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.715	1.715	0.000	99	350694	5.00	5.81	
5 Chloromethane	50	1.885	1.886	-0.001	99	377707	5.00	5.21	
7 Butadiene	39	1.965	1.971	-0.006	92	480654	5.00	7.21	
6 Vinyl chloride	62	1.983	1.989	-0.006	98	349749	5.00	5.33	
9 Bromomethane	94	2.276	2.282	-0.006	92	239589	5.00	5.61	M
10 Chloroethane	64	2.306	2.312	-0.006	100	198931	5.00	6.00	
11 Dichlorofluoromethane	67	2.507	2.514	-0.007	97	551763	5.00	5.94	
12 Trichlorofluoromethane	101	2.599	2.605	-0.006	98	463605	5.00	6.38	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	2.849	2.849	0.000	93	326582	5.00	5.96	
18 1,1-Dichloroethene	96	3.025	3.026	-0.001	97	245498	5.00	5.77	
19 Acetone	43	3.056	3.056	0.000	86	302528	62.5	63.3	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.062	3.068	-0.006	92	233818	5.00	5.22	
21 Isopropyl alcohol	45	3.208	3.190	0.018	26	20937	37.5	43.6	
22 Iodomethane	142	3.184	3.190	-0.006	100	395095	5.00	4.80	
24 Carbon disulfide	76	3.275	3.282	-0.007	99	799361	5.00	5.12	
25 Methyl acetate	43	3.409	3.416	-0.007	33	60110	5.00	2.98	
27 3-Chloro-1-propene	41	3.422	3.428	-0.006	93	366803	5.00	4.96	
29 Methylene Chloride	84	3.580	3.587	-0.006	93	262018	5.00	5.56	
* 30 t-Butyl alcohol-d10 (IS)	65	3.605	3.617	-0.012	99	83237	50.0	50.0	
31 2-Methyl-2-propanol	59	3.720	3.708	0.012	99	54276	50.0	55.5	
32 Acrylonitrile	53	3.891	3.885	0.006	96	174692	25.0	26.7	
33 Methyl tert-butyl ether	73	3.922	3.934	-0.012	94	510859	5.00	5.38	
34 trans-1,2-Dichloroethene	96	3.934	3.934	0.000	98	277169	5.00	5.54	
35 Hexane	57	4.330	4.330	0.000	92	342356	5.00	5.24	
37 1,1-Dichloroethane	63	4.562	4.562	0.000	96	518557	5.00	5.72	
38 Isopropyl ether	45	4.635	4.629	0.006	94	767081	5.00	5.38	
39 2-Chloro-1,3-butadiene	53	4.678	4.678	0.000	91	359435	5.00	5.18	
40 Tert-butyl ethyl ether	59	5.184	5.190	-0.006	97	663379	5.00	5.28	
41 2-Butanone (MEK)	43	5.403	5.397	0.006	100	583700	62.5	71.3	
42 cis-1,2-Dichloroethene	96	5.421	5.422	-0.001	83	297308	5.00	5.43	
43 2,2-Dichloropropane	77	5.427	5.434	-0.007	87	421375	5.00	5.46	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
45 Propionitrile	54	5.501	5.482	0.019	98	55866	37.5	26.8	
48 Methacrylonitrile	67	5.708	5.702	0.006	91	388068	37.5	44.0	
49 Chlorobromomethane	128	5.757	5.757	0.000	95	118173	5.00	5.75	
50 Tetrahydrofuran	71	5.781	5.781	0.000	78	61079	25.0	26.1	
51 Chloroform	83	5.921	5.921	0.000	93	503397	5.00	5.66	
\$ 52 Dibromofluoromethane (Surr)	113	6.141	6.141	0.000	93	448962	10.0	10.1	
53 1,1,1-Trichloroethane	97	6.147	6.147	0.000	97	447511	5.00	5.68	
54 Cyclohexane	56	6.244	6.245	-0.001	91	422226	5.00	5.38	
55 Carbon tetrachloride	117	6.354	6.360	-0.006	96	393254	5.00	5.84	
56 1,1-Dichloropropene	75	6.366	6.366	0.000	98	380301	5.00	5.41	
58 Isobutyl alcohol	41	6.580	6.574	0.006	81	48239	125.0	140.7	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.598	6.598	0.000	92	84972	10.0	10.0	
60 Benzene	78	6.628	6.629	-0.001	97	1132873	5.00	5.41	
61 1,2-Dichloroethane	62	6.702	6.702	0.000	97	280813	5.00	5.85	
63 Tert-amyl methyl ether	73	6.842	6.842	0.000	98	553132	5.00	5.31	
* 64 Fluorobenzene (IS)	96	7.049	7.049	0.000	98	1887830	10.0	10.0	
65 n-Heptane	43	7.079	7.080	-0.001	92	384895	5.00	5.99	
67 n-Butanol	56	7.500	7.482	0.018	88	80882	250.0	272.0	
68 Trichloroethene	95	7.537	7.543	-0.006	98	294292	5.00	5.46	
69 Methylcyclohexane	83	7.848	7.848	0.000	92	452061	5.00	5.49	
70 1,2-Dichloropropane	63	7.872	7.872	0.000	97	292183	5.00	5.76	
71 2-ethoxy-2-methyl butane	87	7.909	7.909	0.000	94	396842	5.00	5.43	
73 1,4-Dioxane	88	8.006	7.982	0.024	29	15986	125.0	150.2	
74 Dibromomethane	93	7.988	7.988	0.000	95	117974	5.00	5.67	
72 Methyl methacrylate	69	7.994	7.994	0.000	91	83232	5.00	4.96	
76 Dichlorobromomethane	83	8.232	8.232	0.000	99	334507	5.00	5.75	
77 2-Nitropropane	41	8.524	8.518	0.006	99	22629	5.00	4.42	
79 1-Bromo-2-chloroethane	63	8.628	8.628	0.000	99	245496	5.00	5.63	
81 cis-1,3-Dichloropropene	75	8.805	8.805	0.000	96	375832	5.00	5.27	
82 4-Methyl-2-pentanone (MIBK)	43	9.012	9.012	0.000	96	1483304	62.5	70.1	
\$ 83 Toluene-d8 (Surr)	98	9.140	9.140	0.000	94	1919711	10.0	9.91	
84 Toluene	92	9.225	9.226	-0.001	98	738188	5.00	5.49	
85 trans-1,3-Dichloropropene	75	9.524	9.524	0.000	92	309092	5.00	5.49	
86 Ethyl methacrylate	69	9.616	9.610	0.006	89	182219	5.00	5.36	
107 1,1,2-Trichloroethane	97	9.744	9.744	0.000	91	174402	5.00	5.61	
108 Tetrachloroethene	166	9.829	9.829	0.000	97	321557	5.00	5.30	
109 1,3-Dichloropropane	76	9.914	9.915	-0.001	91	298487	5.00	5.56	
110 2-Hexanone	43	9.994	9.988	0.006	96	1027787	62.5	69.9	
112 Chlorodibromomethane	129	10.140	10.140	0.000	89	219136	5.00	5.78	
113 Ethylene Dibromide	107	10.250	10.250	0.000	99	158924	5.00	5.75	
* 114 Chlorobenzene-d5 (IS)	117	10.707	10.707	0.000	85	1395880	10.0	10.0	
115 1-Chlorohexane	91	10.731	10.731	0.000	96	365197	5.00	5.04	
116 Chlorobenzene	112	10.737	10.738	-0.001	96	817335	5.00	5.41	
117 1,1,1,2-Tetrachloroethane	131	10.823	10.823	0.000	95	272833	5.00	5.57	
118 Ethylbenzene	91	10.835	10.835	0.000	98	1427102	5.00	5.45	
120 m-Xylene & p-Xylene	106	10.957	10.951	0.006	100	1112698	10.0	11.0	
121 o-Xylene	106	11.292	11.292	0.000	96	532452	5.00	5.53	
122 Styrene	104	11.310	11.311	-0.001	94	856751	5.00	5.84	
123 Bromoform	173	11.463	11.463	0.000	96	114156	5.00	5.83	
124 Isopropylbenzene	105	11.603	11.603	0.000	96	1407387	5.00	6.22	
\$ 127 4-Bromofluorobenzene (Surr)	95	11.743	11.743	0.000	90	656379	10.0	9.81	
128 1,1,2,2-Tetrachloroethane	83	11.859	11.859	0.000	92	199111	5.00	5.76	

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	93	323794	5.00	5.59	
130 trans-1,4-Dichloro-2-butene	53	11.883	11.884	-0.001	86	92247	25.0	10.2	
131 1,2,3-Trichloropropane	110	11.902	11.902	0.000	83	54583	5.00	5.92	
132 N-Propylbenzene	91	11.938	11.939	-0.001	99	1705880	5.00	5.48	
133 2-Chlorotoluene	126	12.011	12.012	-0.001	96	326444	5.00	5.27	
134 1,3,5-Trimethylbenzene	105	12.079	12.079	-0.001	93	1227650	5.00	5.59	
135 4-Chlorotoluene	126	12.103	12.103	0.000	98	342706	5.00	5.35	
136 tert-Butylbenzene	134	12.322	12.323	-0.001	93	236730	5.00	4.97	
138 1,2,4-Trimethylbenzene	105	12.365	12.365	0.000	98	1250088	5.00	5.56	
139 sec-Butylbenzene	105	12.487	12.487	0.000	95	1560731	5.00	5.48	
140 1,3-Dichlorobenzene	146	12.578	12.579	-0.001	98	683341	5.00	5.54	
141 4-Isopropyltoluene	119	12.597	12.597	0.000	97	1335319	5.00	5.50	
* 142 1,4-Dichlorobenzene-d4	152	12.633	12.640	-0.007	95	745303	10.0	10.0	
143 1,4-Dichlorobenzene	146	12.658	12.652	0.006	95	686211	5.00	5.44	
144 1,2,3-Trimethylbenzene	120	12.670	12.670	0.000	99	501122	5.00	5.21	
145 Benzyl chloride	126	12.737	12.737	0.000	98	77356	5.00	5.52	
146 p-Diethylbenzene	119	12.871	12.871	0.000	93	822279	5.00	5.48	
147 n-Butylbenzene	92	12.889	12.890	-0.001	98	698305	5.00	5.60	
148 1,2-Dichlorobenzene	146	12.914	12.914	0.000	99	589393	5.00	5.51	
150 1,2-Dibromo-3-Chloropropane	155	13.456	13.457	-0.001	82	22745	5.00	5.09	
151 1,3,5-Trichlorobenzene	180	13.584	13.585	-0.001	97	532089	5.00	5.49	
152 1,2,4-Trichlorobenzene	180	14.005	14.005	0.000	94	426265	5.00	5.51	
153 Hexachlorobutadiene	225	14.090	14.091	-0.001	97	239516	5.00	5.67	
154 Naphthalene	128	14.182	14.182	0.000	97	587158	5.00	5.71	
155 1,2,3-Trichlorobenzene	180	14.322	14.322	0.000	96	339317	5.00	5.63	
156 2-Methylnaphthalene	142	14.907	14.901	0.006	93	292518	5.00	5.45	
167 Pentane	43	2.769	2.770	-0.001	11	232	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Review Flags

M - Manually Integrated

Reagents:

MSV_QC_Gas826_00238

Amount Added: 12.50

Units: uL

MSV_LCS_VOC#1_00201

Amount Added: 12.50

Units: uL

MSV_29_826ISS_00058

Amount Added: 1.20

Units: uL

Run Reagent

Report Date: 31-Dec-2024 18:02:15

Chrom Revision: 2.3 17-Dec-2024 12:44:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X04.D

Injection Date: 26-Dec-2024 10:34:30

Instrument ID: 16334

Operator ID: ecr105096

Lims ID: LCSD

Worklist Smp#: 5

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

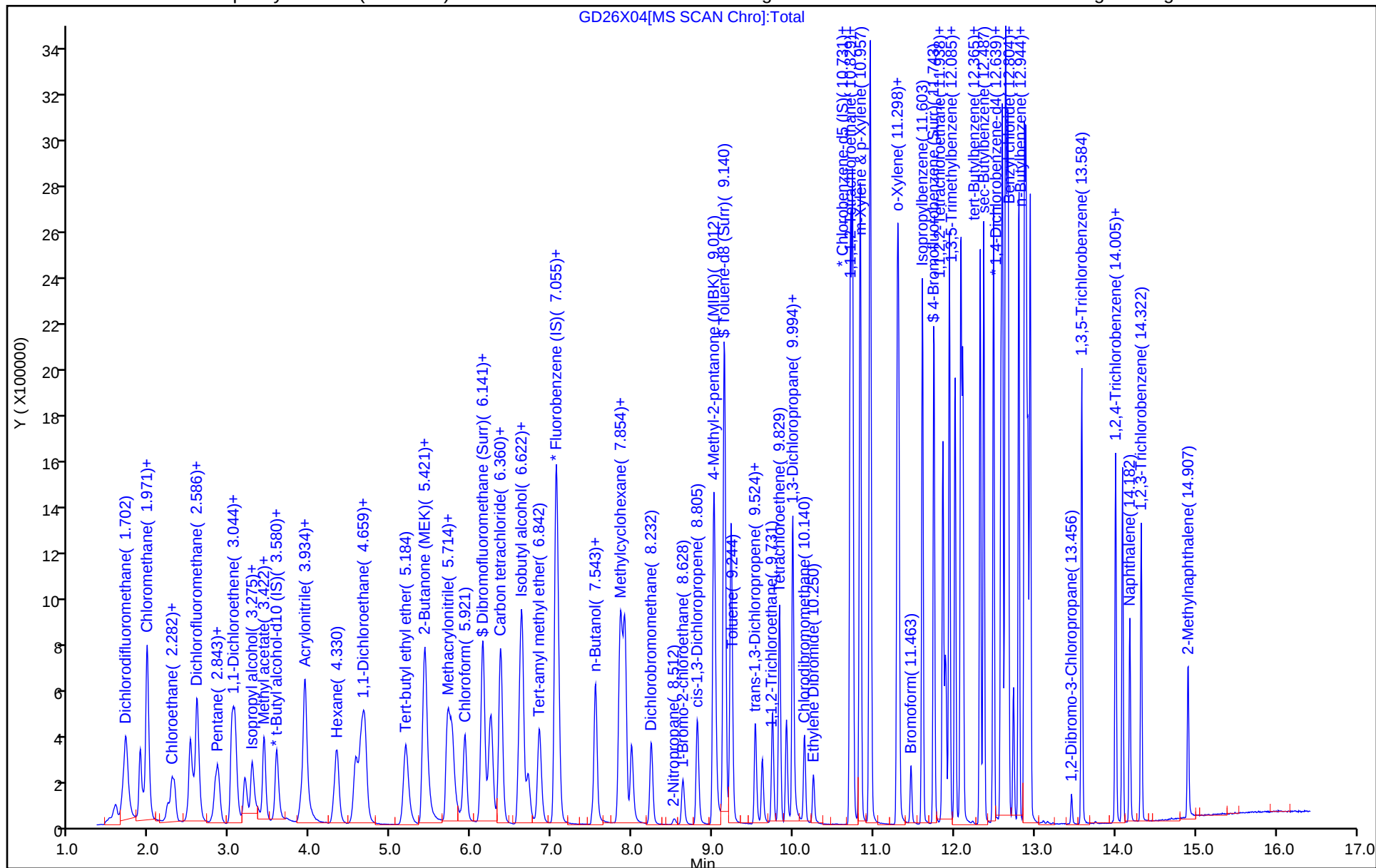
ALS Bottle#: 4

Method: MSV_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\20241226-134250.b\GD26X04.D
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 26-Dec-2024 10:34:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0134250-005
Misc. Info.: LCSD
Operator ID: ecr105096 Instrument ID: 16334
Method: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 31-Dec-2024 18:01:55 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: CTX1726

First Level Reviewer: N7YK

Date: 26-Dec-2024 11:07:26

Compound	Amount Added	Amount Recovered	% Rec.
\$ 52 Dibromofluoromethane (Surr)	10.0	10.1	100.80
\$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.0	100.00
\$ 83 Toluene-d8 (Surr)	10.0	9.91	99.08
\$ 127 4-Bromofluorobenzene (Surr)	10.0	9.81	98.10

Eurofins Lancaster Laboratories Environment Testing, LLC

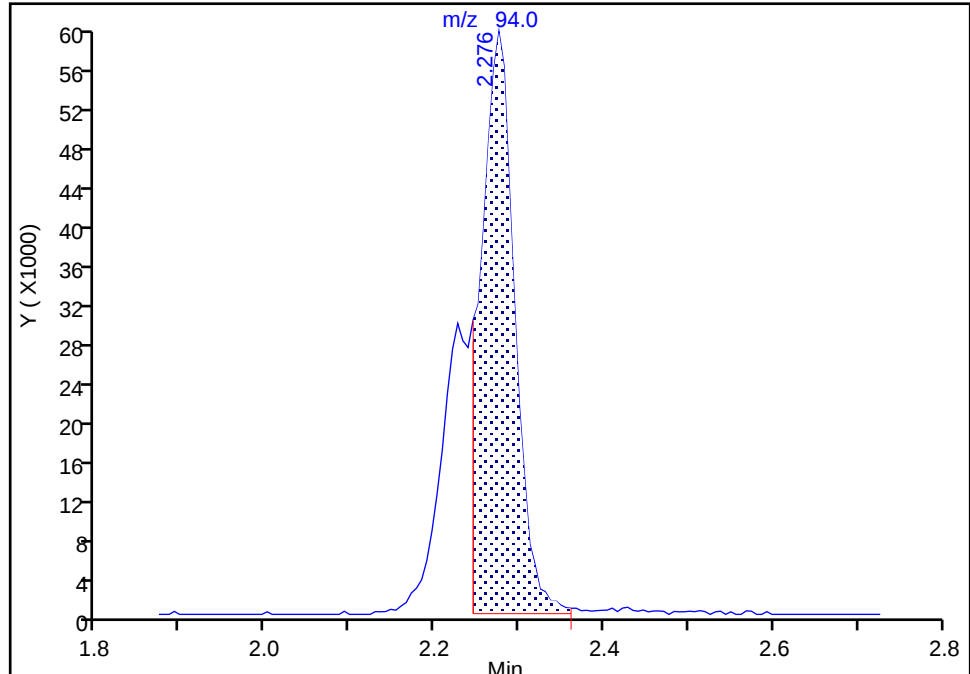
Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X04.D
Injection Date: 26-Dec-2024 10:34:30 Instrument ID: 16334
Lims ID: LCSD
Client ID:
Operator ID: ecr105096 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm i.d.) Detector: MS Quad

9 Bromomethane, CAS: 74-83-9

Signal: 1

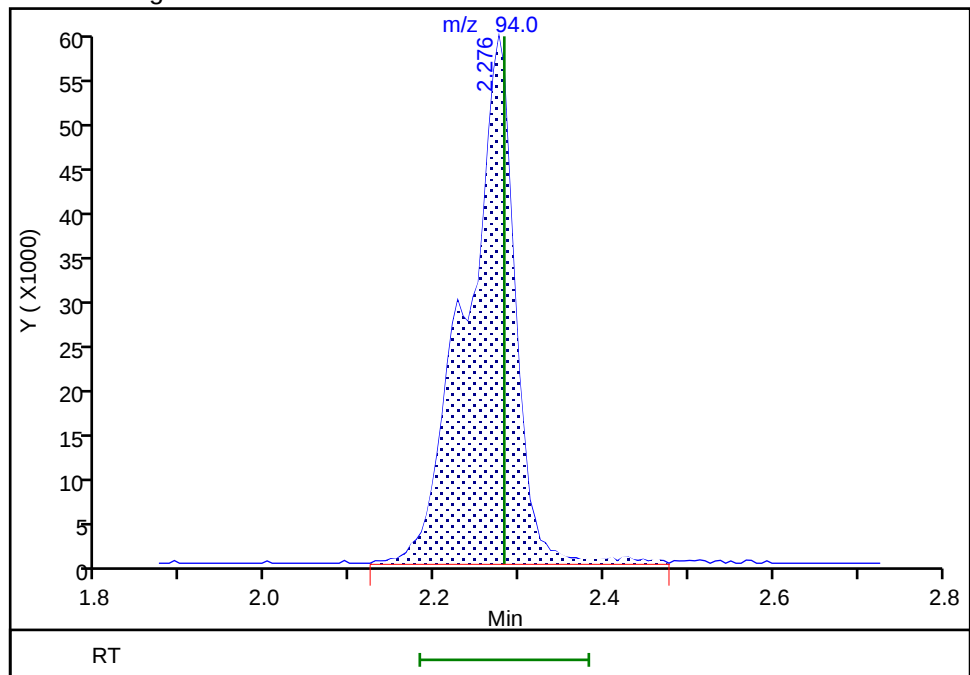
RT: 2.28
Area: 166954
Amount: 3.911892
Amount Units: ug/l

Processing Integration Results



RT: 2.28
Area: 239589
Amount: 5.613799
Amount Units: ug/l

Manual Integration Results



Reviewer: UKEK, 31-Dec-2024 18:00:18 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Other

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-201498-1

SDG No.:

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

Lab Sample ID: 410-201498-6 MS

Matrix: Water

Lab File ID: GD26X17.D

Analysis Method: 8260D

Date Collected: 12/18/2024 11:30

Sample wt/vol: 25 (mL)

Date Analyzed: 12/26/2024 15:23

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.: 589906

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	5.90		0.50	0.070
71-55-6	1,1,1-Trichloroethane	6.74		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	5.70		0.50	0.10
79-00-5	1,1,2-Trichloroethane	5.82		0.50	0.080
75-34-3	1,1-Dichloroethane	6.35		0.50	0.10
75-35-4	1,1-Dichloroethene	6.57		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	5.90		0.50	0.080
107-06-2	1,2-Dichloroethane	6.02		0.50	0.070
78-87-5	1,2-Dichloropropane	6.18		0.50	0.10
78-93-3	2-Butanone (MEK)	77.8		5.0	1.0
591-78-6	2-Hexanone	74.1		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	75.6		5.0	1.0
67-64-1	Acetone	73.6		5.0	1.5
71-43-2	Benzene	5.87		0.50	0.10
74-97-5	Bromochloromethane	6.10		0.50	0.080
75-27-4	Bromodichloromethane	6.20		0.50	0.080
75-25-2	Bromoform	6.02		1.0	0.30
74-83-9	Bromomethane	3.92		0.50	0.10
75-15-0	Carbon disulfide	5.72		1.0	0.10
56-23-5	Carbon tetrachloride	6.57		0.50	0.10
108-90-7	Chlorobenzene	5.83		0.50	0.070
75-00-3	Chloroethane	6.55		0.50	0.10
67-66-3	Chloroform	6.34		0.50	0.090
74-87-3	Chloromethane	5.76		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	8.04		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	5.43		0.50	0.10
124-48-1	Dibromochloromethane	5.88		0.50	0.080
100-41-4	Ethylbenzene	6.01		0.50	0.080
1634-04-4	Methyl tert-butyl ether	5.37		0.50	0.080
75-09-2	Methylene Chloride	6.03		0.50	0.20
100-42-5	Styrene	6.25		0.50	0.070
127-18-4	Tetrachloroethene	12.5		0.50	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-201498-1

SDG No.:

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

Lab Sample ID: 410-201498-6 MS

Matrix: Water

Lab File ID: GD26X17.D

Analysis Method: 8260D

Date Collected: 12/18/2024 11:30

Sample wt/vol: 25 (mL)

Date Analyzed: 12/26/2024 15:23

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.: 589906

Units: ug/L

Preparation Batch No.:

Instrument ID: 16334

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	5.96		0.50	0.080
156-60-5	trans-1,2-Dichloroethene	6.16		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	5.68		0.50	0.080
79-01-6	Trichloroethene	7.47		0.50	0.080
75-01-4	Vinyl chloride	5.71		0.50	0.10
1330-20-7	Xylenes, Total	17.9		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)	103		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\20241226-134250.b\GD26X17.D
 Lims ID: 410-201498-A-6 MS
 Client ID: HD-COD-SW-15-0/1-0 MS
 Sample Type: MS
 Inject. Date: 26-Dec-2024 15:23:30 ALS Bottle#: 17 Worklist Smp#: 18
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0134250-018
 Operator ID: ecr105096 Instrument ID: 16334
 Method: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\MSV_16334_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 27-Dec-2024 09:44:12 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: CTX1647

First Level Reviewer: FQ4L

Date: 27-Dec-2024 09:44:28

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.715	1.715	0.000	99	395806	5.00	6.64	
5 Chloromethane	50	1.886	1.886	0.000	99	412388	5.00	5.76	
7 Butadiene	39	1.971	1.971	0.000	93	477433	5.00	7.25	
6 Vinyl chloride	62	1.989	1.989	0.000	98	369784	5.00	5.71	
9 Bromomethane	94	2.282	2.282	0.000	92	165121	5.00	3.92	
10 Chloroethane	64	2.312	2.312	0.000	100	214277	5.00	6.55	
11 Dichlorofluoromethane	67	2.513	2.514	-0.001	96	588873	5.00	6.42	
12 Trichlorofluoromethane	101	2.605	2.605	0.000	97	504219	5.00	7.02	
16 1,2-Dichloro-1,1,2-trifluoroethane	67	2.849	2.849	0.000	93	357051	5.00	6.60	
18 1,1-Dichloroethene	96	3.026	3.026	0.000	97	276183	5.00	6.57	
19 Acetone	43	3.062	3.056	0.006	99	320273	62.6	73.6	
20 1,1,2-Trichloro-1,2,2-trifluoroethane	101	3.068	3.068	0.000	93	271604	5.00	6.14	
21 Isopropyl alcohol	45	3.208	3.190	0.018	25	23250	37.5	49.0	
22 Iodomethane	142	3.190	3.190	0.000	100	415299	5.00	5.11	
24 Carbon disulfide	76	3.282	3.282	0.000	99	880950	5.00	5.72	
25 Methyl acetate	43	3.416	3.416	0.000	32	61457	5.00	3.35	
27 3-Chloro-1-propene	41	3.428	3.428	0.000	91	402312	5.00	5.51	
29 Methylene Chloride	84	3.586	3.587	0.000	93	280179	5.00	6.03	
* 30 t-Butyl alcohol-d10 (IS)	65	3.599	3.617	-0.018	99	75833	50.0	50.0	
31 2-Methyl-2-propanol	59	3.727	3.708	0.019	99	53775	50.0	60.3	
32 Acrylonitrile	53	3.885	3.885	0.000	98	183057	25.0	30.7	
33 Methyl tert-butyl ether	73	3.934	3.934	0.000	72	503706	5.00	5.37	
34 trans-1,2-Dichloroethene	96	3.934	3.934	0.000	98	304520	5.00	6.16	
35 Hexane	57	4.330	4.330	0.000	93	408115	5.00	6.32	
37 1,1-Dichloroethane	63	4.562	4.562	0.000	96	568543	5.00	6.35	
38 Isopropyl ether	45	4.635	4.629	0.006	93	781326	5.00	5.55	
39 2-Chloro-1,3-butadiene	53	4.684	4.678	0.006	91	397490	5.00	5.80	
40 Tert-butyl ethyl ether	59	5.184	5.190	-0.006	97	652484	5.00	5.26	
41 2-Butanone (MEK)	43	5.403	5.397	0.006	100	579989	62.6	77.8	
42 cis-1,2-Dichloroethene	96	5.421	5.422	-0.001	83	434750	5.00	8.04	
43 2,2-Dichloropropane	77	5.440	5.434	0.006	86	465275	5.00	6.10	
45 Propionitrile	54	5.513	5.482	0.031	97	67345	37.5	34.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
48 Methacrylonitrile	67	5.714	5.702	0.012	92	371093	37.5	46.1	
49 Chlorobromomethane	128	5.757	5.757	0.000	95	123734	5.00	6.10	
50 Tetrahydrofuran	71	5.787	5.781	0.006	79	61630	25.0	28.9	
51 Chloroform	83	5.921	5.921	0.000	93	556589	5.00	6.34	
\$ 52 Dibromofluoromethane (Surr)	113	6.147	6.141	0.006	93	451116	10.0	10.3	
53 1,1,1-Trichloroethane	97	6.147	6.147	0.000	99	524276	5.00	6.74	
54 Cyclohexane	56	6.244	6.245	-0.001	92	486876	5.00	6.28	
55 Carbon tetrachloride	117	6.360	6.360	0.000	97	436712	5.00	6.57	
56 1,1-Dichloropropene	75	6.366	6.366	0.000	97	418160	5.00	6.03	
58 Isobutyl alcohol	41	6.580	6.574	0.006	81	48658	125.1	143.7	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.604	6.598	0.006	94	85025	10.0	10.1	
60 Benzene	78	6.628	6.629	-0.001	97	1214341	5.00	5.87	
61 1,2-Dichloroethane	62	6.708	6.702	0.006	98	285521	5.00	6.02	
63 Tert-amyl methyl ether	73	6.848	6.842	0.006	98	545690	5.00	5.31	
* 64 Fluorobenzene (IS)	96	7.049	7.049	0.000	98	1864337	10.0	10.0	
65 n-Heptane	43	7.080	7.080	0.000	91	452910	5.00	7.14	
67 n-Butanol	56	7.506	7.482	0.024	93	78610	250.2	287.4	
68 Trichloroethene	95	7.543	7.543	0.000	99	397469	5.00	7.47	
69 Methylcyclohexane	83	7.848	7.848	0.000	92	512178	5.00	6.30	
70 1,2-Dichloropropane	63	7.872	7.872	0.000	97	309447	5.00	6.18	
71 2-ethoxy-2-methyl butane	87	7.909	7.909	0.000	94	407011	5.00	5.64	
73 1,4-Dioxane	88	7.982	7.982	0.000	30	20599	125.1	212.5	M
74 Dibromomethane	93	7.988	7.988	0.000	96	120601	5.00	5.87	
72 Methyl methacrylate	69	8.000	7.994	0.006	94	79292	5.00	5.19	
76 Dichlorobromomethane	83	8.232	8.232	0.000	99	355821	5.00	6.20	
77 2-Nitropropane	41	8.524	8.518	0.006	94	24373	5.00	5.23	
79 1-Bromo-2-chloroethane	63	8.628	8.628	0.000	99	235511	5.00	5.47	
81 cis-1,3-Dichloropropene	75	8.811	8.805	0.006	96	382457	5.00	5.43	
82 4-Methyl-2-pentanone (MIBK)	43	9.012	9.012	0.000	97	1457150	62.6	75.6	
\$ 83 Toluene-d8 (Surr)	98	9.146	9.140	0.006	94	1907544	10.0	10.0	
84 Toluene	92	9.226	9.226	0.000	98	788650	5.00	5.96	
85 trans-1,3-Dichloropropene	75	9.530	9.524	0.006	92	314279	5.00	5.68	
86 Ethyl methacrylate	69	9.616	9.610	0.006	90	176031	5.00	5.27	
107 1,1,2-Trichloroethane	97	9.744	9.744	0.000	91	177626	5.00	5.82	
108 Tetrachloroethene	166	9.829	9.829	0.000	97	744783	5.00	12.5	
109 1,3-Dichloropropane	76	9.914	9.915	-0.001	91	305102	5.00	5.78	
110 2-Hexanone	43	9.994	9.988	0.006	96	992724	62.6	74.1	
112 Chlorodibromomethane	129	10.140	10.140	0.000	90	219312	5.00	5.88	
113 Ethylene Dibromide	107	10.250	10.250	0.000	97	160398	5.00	5.90	
* 114 Chlorobenzene-d5 (IS)	117	10.707	10.707	0.000	85	1371980	10.0	10.0	
115 1-Chlorohexane	91	10.731	10.731	0.000	71	400862	5.00	5.63	
116 Chlorobenzene	112	10.737	10.738	-0.001	93	865490	5.00	5.83	
117 1,1,1,2-Tetrachloroethane	131	10.823	10.823	0.000	96	283989	5.00	5.90	
118 Ethylbenzene	91	10.835	10.835	0.000	98	1545691	5.00	6.01	
120 m-Xylene & p-Xylene	106	10.957	10.951	0.006	100	1193445	10.0	12.0	
121 o-Xylene	106	11.292	11.292	0.000	97	554572	5.00	5.86	
122 Styrene	104	11.311	11.311	-0.001	95	900721	5.00	6.25	
123 Bromoform	173	11.463	11.463	0.000	96	115871	5.00	6.02	
124 Isopropylbenzene	105	11.603	11.603	0.000	96	1495351	5.00	6.72	
\$ 127 4-Bromofluorobenzene (Surr)	95	11.743	11.743	0.000	89	652227	10.0	9.92	
128 1,1,2,2-Tetrachloroethane	83	11.859	11.859	0.000	65	198104	5.00	5.70	
129 Bromobenzene	156	11.859	11.859	0.000	91	338494	5.00	5.81	

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	89	144804	25.0	17.6	
131 1,2,3-Trichloropropane	110	11.896	11.902	-0.006	82	52647	5.00	5.68	
132 N-Propylbenzene	91	11.938	11.939	-0.001	99	1859893	5.00	5.94	
133 2-Chlorotoluene	126	12.012	12.012	0.000	96	349878	5.00	5.62	
134 1,3,5-Trimethylbenzene	105	12.079	12.079	0.000	93	1316650	5.00	5.97	
135 4-Chlorotoluene	126	12.103	12.103	0.000	98	374386	5.00	5.82	
136 tert-Butylbenzene	134	12.323	12.323	-0.001	93	254392	5.00	5.31	
138 1,2,4-Trimethylbenzene	105	12.365	12.365	0.000	98	1334647	5.00	5.91	
139 sec-Butylbenzene	105	12.487	12.487	0.000	94	1709362	5.00	5.98	
140 1,3-Dichlorobenzene	146	12.579	12.579	0.000	98	725234	5.00	5.85	
141 4-Isopropyltoluene	119	12.597	12.597	0.000	97	1437290	5.00	5.89	
* 142 1,4-Dichlorobenzene-d4	152	12.633	12.640	-0.007	95	749144	10.0	10.0	
143 1,4-Dichlorobenzene	146	12.652	12.652	0.000	95	710390	5.00	5.61	
144 1,2,3-Trimethylbenzene	120	12.670	12.670	0.000	99	530865	5.00	5.49	
145 Benzyl chloride	126	12.731	12.737	-0.006	98	79383	5.00	5.64	
146 p-Diethylbenzene	119	12.871	12.871	0.000	95	906758	5.00	6.01	
147 n-Butylbenzene	92	12.889	12.890	-0.001	98	773713	5.00	6.18	
148 1,2-Dichlorobenzene	146	12.914	12.914	0.000	98	627080	5.00	5.83	
150 1,2-Dibromo-3-Chloropropane	155	13.456	13.457	-0.001	84	21738	5.00	5.34	
151 1,3,5-Trichlorobenzene	180	13.584	13.585	-0.001	97	561798	5.00	5.76	
152 1,2,4-Trichlorobenzene	180	13.999	14.005	-0.006	95	433675	5.00	5.58	
153 Hexachlorobutadiene	225	14.090	14.091	-0.001	97	265304	5.00	6.25	
154 Naphthalene	128	14.176	14.182	-0.006	97	563539	5.00	5.45	
155 1,2,3-Trichlorobenzene	180	14.322	14.322	0.000	96	344258	5.00	5.69	
156 2-Methylnaphthalene	142	14.901	14.901	0.000	91	248673	5.00	4.67	
167 Pentane	43	2.812	2.770	0.042	1	467	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Review Flags

M - Manually Integrated

Reagents:

MSV_LCS_VOC#1_00201

Amount Added: 5.38

Units: uL

MSV_QC_Gas826_00238

Amount Added: 5.38

Units: uL

MSV_29_826ISS_00058

Amount Added: 1.20

Units: uL

Run Reagent

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X17.D

Injection Date: 26-Dec-2024 15:23:30

Instrument ID: 16334

Operator ID: ecr105096

Lims ID: 410-201498-A-6 MS

Worklist Smp#: 18

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

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

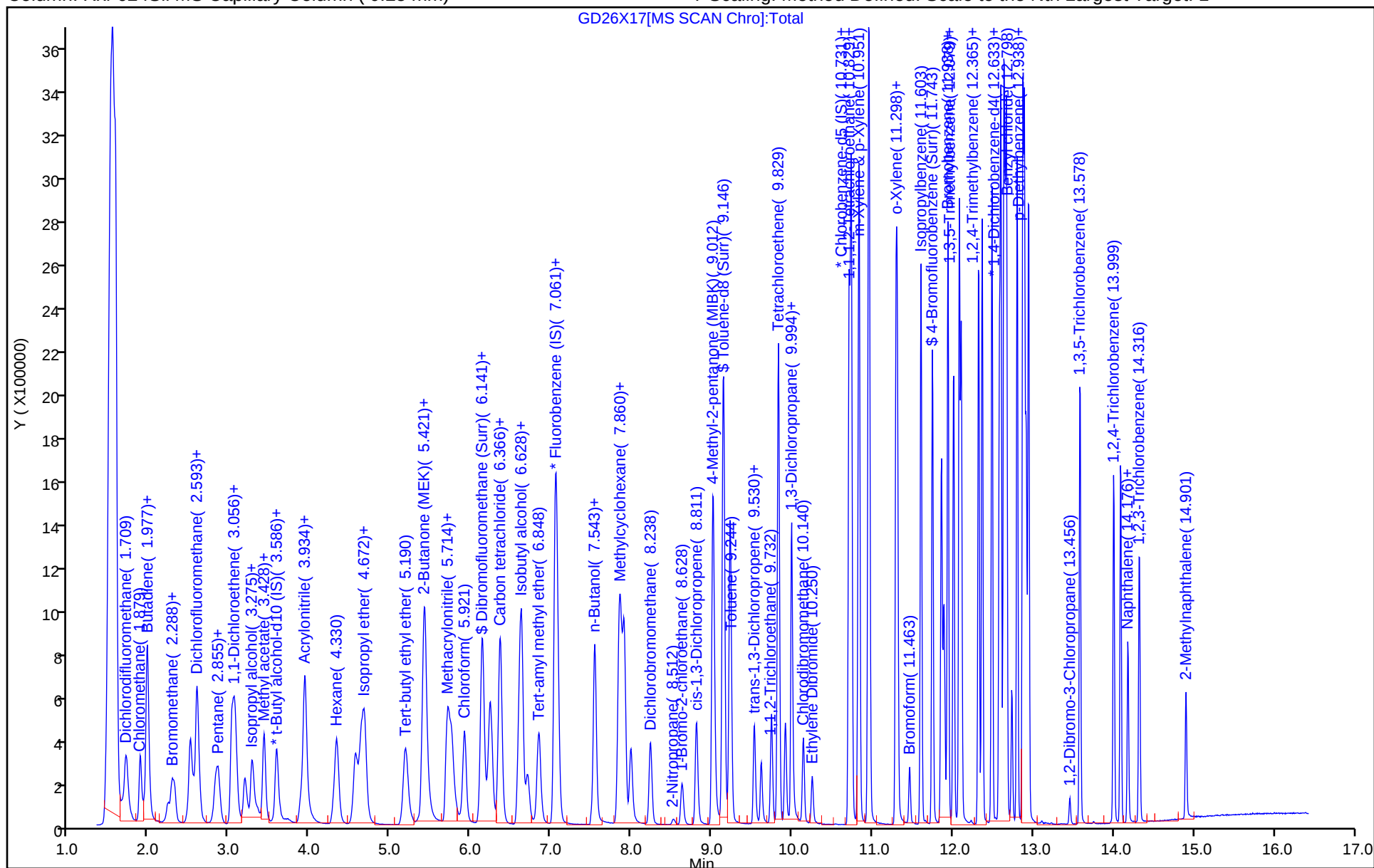
ALS Bottle#: 17

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\20241226-134250.b\GD26X17.D
Lims ID: 410-201498-A-6 MS
Client ID: HD-COD-SW-15-0/1-0 MS
Sample Type: MS
Inject. Date: 26-Dec-2024 15:23:30 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0134250-018
Operator ID: ecr105096 Instrument ID: 16334
Method: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 27-Dec-2024 09:44:12 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: CTX1647

First Level Reviewer: FQ4L

Date: 27-Dec-2024 09:44:28

Compound	Amount Added	Amount Recovered	% Rec.
\$ 52 Dibromofluoromethane (Surr)	10.0	10.3	102.56
\$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.1	101.32
\$ 83 Toluene-d8 (Surr)	10.0	10.0	100.17
\$ 127 4-Bromofluorobenzene (Surr)	10.0	9.92	99.18

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-201498-1

SDG No.:

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

Lab Sample ID: 410-201498-6 MSD

Matrix: Water

Lab File ID: GD26X18.D

Analysis Method: 8260D

Date Collected: 12/18/2024 11:30

Sample wt/vol: 25 (mL)

Date Analyzed: 12/26/2024 15:45

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.: 589906

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	5.85		0.50	0.070
71-55-6	1,1,1-Trichloroethane	6.74		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	5.69		0.50	0.10
79-00-5	1,1,2-Trichloroethane	5.73		0.50	0.080
75-34-3	1,1-Dichloroethane	6.32		0.50	0.10
75-35-4	1,1-Dichloroethene	6.48		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	5.78		0.50	0.080
107-06-2	1,2-Dichloroethane	6.10		0.50	0.070
78-87-5	1,2-Dichloropropane	6.07		0.50	0.10
78-93-3	2-Butanone (MEK)	86.5		5.0	1.0
591-78-6	2-Hexanone	84.0		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	86.4		5.0	1.0
67-64-1	Acetone	75.4		5.0	1.5
71-43-2	Benzene	5.83		0.50	0.10
74-97-5	Bromochloromethane	6.07		0.50	0.080
75-27-4	Bromodichloromethane	6.10		0.50	0.080
75-25-2	Bromoform	5.88		1.0	0.30
74-83-9	Bromomethane	3.64		0.50	0.10
75-15-0	Carbon disulfide	5.73		1.0	0.10
56-23-5	Carbon tetrachloride	6.55		0.50	0.10
108-90-7	Chlorobenzene	5.67		0.50	0.070
75-00-3	Chloroethane	6.20		0.50	0.10
67-66-3	Chloroform	6.23		0.50	0.090
74-87-3	Chloromethane	5.52		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	7.94		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	5.36		0.50	0.10
124-48-1	Dibromochloromethane	5.93		0.50	0.080
100-41-4	Ethylbenzene	5.92		0.50	0.080
1634-04-4	Methyl tert-butyl ether	5.36		0.50	0.080
75-09-2	Methylene Chloride	5.87		0.50	0.20
100-42-5	Styrene	6.17		0.50	0.070

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-201498-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: HD-COD-SW-15-0/1-0 MSD Lab Sample ID: 410-201498-6 MSD
MSD

Matrix: Water Lab File ID: GD26X18.D

Analysis Method: 8260D Date Collected: 12/18/2024 11:30

Sample wt/vol: 25 (mL) Date Analyzed: 12/26/2024 15:45

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.: 589906 Units: ug/L

Preparation Batch No.: _____ Instrument ID: 16334

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
127-18-4	Tetrachloroethene	12.5		0.50	0.20
108-88-3	Toluene	5.85		0.50	0.080
156-60-5	trans-1,2-Dichloroethene	5.95		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	5.62		0.50	0.080
79-01-6	Trichloroethene	7.43		0.50	0.080
75-01-4	Vinyl chloride	5.43		0.50	0.10
1330-20-7	Xylenes, Total	17.7		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)	98		80-120
1868-53-7	Dibromofluoromethane (Surr)	102		80-120
2037-26-5	Toluene-d8 (Surr)	99		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X18.D
 Lims ID: 410-201498-A-6 MSD
 Client ID: HD-COD-SW-15-0/1-0 MSD
 Sample Type: MSD
 Inject. Date: 26-Dec-2024 15:45:30 ALS Bottle#: 18 Worklist Smp#: 19
 Purge Vol: 25.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0134250-019
 Operator ID: ecr105096 Instrument ID: 16334
 Method: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\MSV_16334_25mL.m
 Limit Group: MSV - 8260C_D
 Last Update: 31-Dec-2024 18:11:34 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: CTX1726

First Level Reviewer: UKEK

Date: 31-Dec-2024 18:11:34

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	1.715	0.000	99	385932	5.00	6.32	
5 Chloromethane	50	1.885	1.886	-0.001	99	404658	5.00	5.52	
7 Butadiene	39	1.971	1.971	0.000	91	462056	5.00	6.85	
6 Vinyl chloride	62	1.989	1.989	0.000	98	360169	5.00	5.43	
9 Bromomethane	94	2.282	2.282	0.000	92	157164	5.00	3.64	
10 Chloroethane	64	2.312	2.312	0.000	100	207736	5.00	6.20	
11 Dichlorofluoromethane	67	2.513	2.514	-0.001	97	571337	5.00	6.08	
12 Trichlorofluoromethane	101	2.599	2.605	-0.006	69	492018	5.00	6.69	
16 1,2-Dichloro-1,1,2-trifluoroethane	67	2.849	2.849	0.000	93	350637	5.00	6.33	
18 1,1-Dichloroethene	96	3.032	3.026	0.006	97	279025	5.00	6.48	
19 Acetone	43	3.062	3.056	0.006	81	294554	62.6	75.4	
20 1,1,2-Trichloro-1,2,2-trifluoroethane	101	3.068	3.068	0.000	92	274852	5.00	6.06	
21 Isopropyl alcohol	45	3.202	3.190	0.012	25	10209	37.5	21.0	
22 Iodomethane	142	3.190	3.190	0.000	100	422700	5.00	5.07	
24 Carbon disulfide	76	3.282	3.282	0.000	99	903736	5.00	5.73	
25 Methyl acetate	43	3.422	3.416	0.006	30	57712	5.00	3.50	
27 3-Chloro-1-propene	41	3.428	3.428	0.000	92	405394	5.00	5.42	
29 Methylene Chloride	84	3.580	3.587	-0.006	94	279633	5.00	5.87	
* 30 t-Butyl alcohol-d10 (IS)	65	3.605	3.617	-0.012	99	68077	50.0	50.0	
31 2-Methyl-2-propanol	59	3.733	3.708	0.025	99	56777	50.0	71.0	
32 Acrylonitrile	53	3.885	3.885	0.000	98	182829	25.0	34.2	
33 Methyl tert-butyl ether	73	3.928	3.934	-0.006	96	514473	5.00	5.36	
34 trans-1,2-Dichloroethene	96	3.934	3.934	0.000	98	301048	5.00	5.95	
35 Hexane	57	4.336	4.330	0.006	93	409693	5.00	6.20	
37 1,1-Dichloroethane	63	4.562	4.562	0.000	96	579281	5.00	6.32	
38 Isopropyl ether	45	4.635	4.629	0.006	95	792977	5.00	5.50	
39 2-Chloro-1,3-butadiene	53	4.678	4.678	0.000	91	408898	5.00	5.83	
40 Tert-butyl ethyl ether	59	5.184	5.190	-0.006	97	676135	5.00	5.33	
41 2-Butanone (MEK)	43	5.403	5.397	0.006	100	578754	62.6	86.5	
42 cis-1,2-Dichloroethene	96	5.427	5.422	0.005	83	439257	5.00	7.94	
43 2,2-Dichloropropane	77	5.440	5.434	0.006	87	475882	5.00	6.10	
45 Propionitrile	54	5.513	5.482	0.031	95	64210	37.5	35.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
48 Methacrylonitrile	67	5.714	5.702	0.012	91	389569	37.5	54.0	
49 Chlorobromomethane	128	5.763	5.757	0.006	95	126128	5.00	6.07	
50 Tetrahydrofuran	71	5.787	5.781	0.006	64	59664	25.0	31.1	
51 Chloroform	83	5.921	5.921	0.000	93	560077	5.00	6.23	
\$ 52 Dibromofluoromethane (Surr)	113	6.141	6.141	0.000	93	457242	10.0	10.2	
53 1,1,1-Trichloroethane	97	6.147	6.147	0.000	92	536895	5.00	6.74	
54 Cyclohexane	56	6.244	6.245	-0.001	91	496782	5.00	6.26	
55 Carbon tetrachloride	117	6.360	6.360	0.000	96	445764	5.00	6.55	
56 1,1-Dichloropropene	75	6.366	6.366	0.000	96	426678	5.00	6.01	
58 Isobutyl alcohol	41	6.586	6.574	0.012	39	38709	125.1	111.7	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.604	6.598	0.006	93	85868	10.0	10.0	
60 Benzene	78	6.635	6.629	0.006	96	1235360	5.00	5.83	
61 1,2-Dichloroethane	62	6.708	6.702	0.006	97	296239	5.00	6.10	
63 Tert-amyl methyl ether	73	6.848	6.842	0.006	98	559997	5.00	5.32	
* 64 Fluorobenzene (IS)	96	7.055	7.049	0.006	99	1909088	10.0	10.0	
65 n-Heptane	43	7.080	7.080	0.000	92	464995	5.00	7.16	
67 n-Butanol	56	7.512	7.482	0.030	92	73319	250.2	297.0	
68 Trichloroethene	95	7.543	7.543	0.000	99	404703	5.00	7.43	
69 Methylcyclohexane	83	7.848	7.848	0.000	92	524078	5.00	6.29	
70 1,2-Dichloropropane	63	7.872	7.872	0.000	97	311327	5.00	6.07	
71 2-ethoxy-2-methyl butane	87	7.909	7.909	0.000	95	412247	5.00	5.58	
73 1,4-Dioxane	88	8.000	7.982	0.018	29	17655	125.1	202.9	M
74 Dibromomethane	93	7.988	7.988	0.000	97	122140	5.00	5.80	
72 Methyl methacrylate	69	8.000	7.994	0.006	93	76393	5.00	5.57	
76 Dichlorobromomethane	83	8.238	8.232	0.006	99	358555	5.00	6.10	
77 2-Nitropropane	41	8.518	8.518	0.000	97	24526	5.00	5.86	
79 1-Bromo-2-chloroethane	63	8.634	8.628	0.006	99	238475	5.00	5.41	
81 cis-1,3-Dichloropropene	75	8.805	8.805	0.000	96	386782	5.00	5.36	
82 4-Methyl-2-pentanone (MIBK)	43	9.012	9.012	0.000	97	1496771	62.6	86.4	
\$ 83 Toluene-d8 (Surr)	98	9.146	9.140	0.006	94	1949047	10.0	9.93	
84 Toluene	92	9.226	9.226	0.000	98	797011	5.00	5.85	
85 trans-1,3-Dichloropropene	75	9.530	9.524	0.006	93	320351	5.00	5.62	
86 Ethyl methacrylate	69	9.616	9.610	0.006	89	179160	5.00	5.20	
107 1,1,2-Trichloroethane	97	9.744	9.744	0.000	91	180363	5.00	5.73	
108 Tetrachloroethene	166	9.829	9.829	0.000	97	768505	5.00	12.5	
109 1,3-Dichloropropane	76	9.914	9.915	-0.001	90	309582	5.00	5.69	
110 2-Hexanone	43	9.994	9.988	0.006	97	1010115	62.6	84.0	
112 Chlorodibromomethane	129	10.140	10.140	0.000	90	227959	5.00	5.93	
113 Ethylene Dibromide	107	10.250	10.250	0.000	98	161926	5.00	5.78	
* 114 Chlorobenzene-d5 (IS)	117	10.707	10.707	0.000	85	1414638	10.0	10.0	
115 1-Chlorohexane	91	10.737	10.731	0.006	86	408216	5.00	5.56	
116 Chlorobenzene	112	10.737	10.738	-0.001	95	867713	5.00	5.67	
117 1,1,1,2-Tetrachloroethane	131	10.829	10.823	0.006	95	290546	5.00	5.85	
118 Ethylbenzene	91	10.835	10.835	0.000	98	1570213	5.00	5.92	
120 m-Xylene & p-Xylene	106	10.957	10.951	0.006	100	1212666	10.0	11.9	
121 o-Xylene	106	11.292	11.292	0.000	97	564730	5.00	5.78	
122 Styrene	104	11.310	11.311	-0.001	95	917249	5.00	6.17	
123 Bromoform	173	11.463	11.463	0.000	96	116810	5.00	5.88	
124 Isopropylbenzene	105	11.603	11.603	0.000	96	1539984	5.00	6.71	
\$ 127 4-Bromofluorobenzene (Surr)	95	11.743	11.743	0.000	90	665974	10.0	9.82	
128 1,1,2,2-Tetrachloroethane	83	11.859	11.859	0.000	65	202562	5.00	5.69	
129 Bromobenzene	156	11.859	11.859	0.000	91	340901	5.00	5.71	

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	143451	25.0	19.5	
131 1,2,3-Trichloropropane	110	11.902	11.902	0.000	83	52658	5.00	5.55	
132 N-Propylbenzene	91	11.938	11.939	-0.001	99	1882503	5.00	5.87	
133 2-Chlorotoluene	126	12.012	12.012	0.000	96	353076	5.00	5.54	
134 1,3,5-Trimethylbenzene	105	12.079	12.079	0.000	93	1314966	5.00	5.82	
135 4-Chlorotoluene	126	12.103	12.103	0.000	98	365550	5.00	5.55	
136 tert-Butylbenzene	134	12.322	12.323	-0.001	93	254595	5.00	5.19	
138 1,2,4-Trimethylbenzene	105	12.365	12.365	0.000	98	1361188	5.00	5.88	
139 sec-Butylbenzene	105	12.487	12.487	0.000	94	1730107	5.00	5.90	
140 1,3-Dichlorobenzene	146	12.579	12.579	0.000	98	731795	5.00	5.76	
141 4-Isopropyltoluene	119	12.597	12.597	0.000	97	1461533	5.00	5.84	
* 142 1,4-Dichlorobenzene-d4	152	12.633	12.640	-0.007	95	767549	10.0	10.0	
143 1,4-Dichlorobenzene	146	12.652	12.652	0.000	95	715414	5.00	5.51	
144 1,2,3-Trimethylbenzene	120	12.670	12.670	0.000	99	543746	5.00	5.49	
145 Benzyl chloride	126	12.737	12.737	0.000	99	78111	5.00	5.42	
146 p-Diethylbenzene	119	12.871	12.871	0.000	93	918694	5.00	5.94	
147 n-Butylbenzene	92	12.889	12.890	-0.001	98	787367	5.00	6.13	
148 1,2-Dichlorobenzene	146	12.914	12.914	0.000	98	634526	5.00	5.76	
150 1,2-Dibromo-3-Chloropropane	155	13.456	13.457	-0.001	83	22237	5.00	6.08	
151 1,3,5-Trichlorobenzene	180	13.584	13.585	-0.001	97	567944	5.00	5.69	
152 1,2,4-Trichlorobenzene	180	13.999	14.005	-0.006	94	447712	5.00	5.62	
153 Hexachlorobutadiene	225	14.090	14.091	-0.001	97	269973	5.00	6.21	
154 Naphthalene	128	14.176	14.182	-0.006	97	592989	5.00	5.60	
155 1,2,3-Trichlorobenzene	180	14.322	14.322	0.000	95	351660	5.00	5.67	
156 2-Methylnaphthalene	142	14.901	14.901	0.000	92	289017	5.00	5.25	
167 Pentane	43	2.751	2.770	-0.019	23	361	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Review Flags

M - Manually Integrated

Reagents:

MSV_LCS_VOC#1_00201

Amount Added: 5.38

Units: uL

MSV_QC_Gas826_00238

Amount Added: 5.38

Units: uL

MSV_29_826ISS_00058

Amount Added: 1.20

Units: uL

Run Reagent

Report Date: 31-Dec-2024 18:11:58

Chrom Revision: 2.3 17-Dec-2024 12:44:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\GD26X18.D

Injection Date: 26-Dec-2024 15:45:30

Instrument ID: 16334

Operator ID: ecr105096

Lims ID: 410-201498-A-6 MSD

Worklist Smp#: 19

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

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

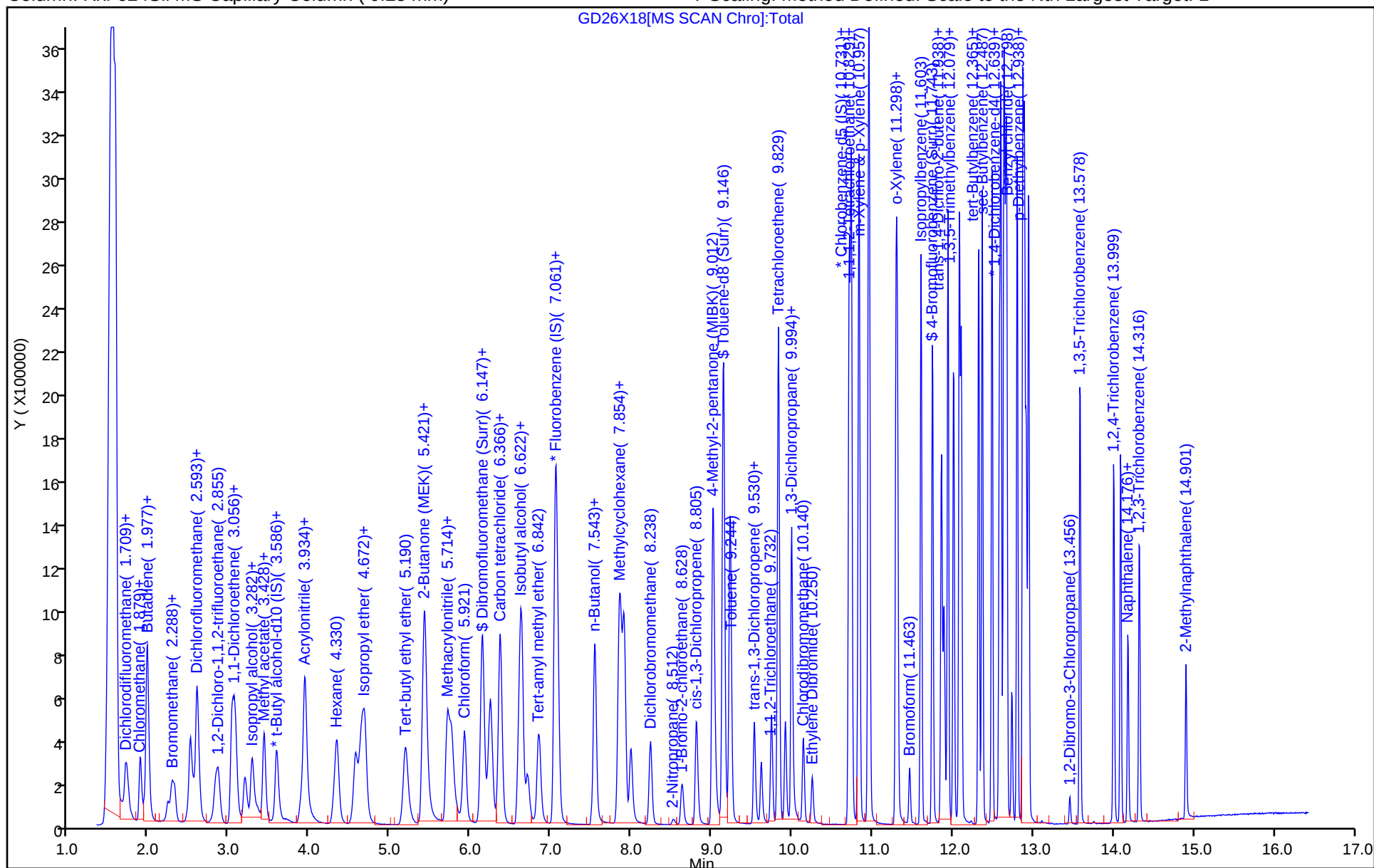
ALS Bottle#: 18

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\20241226-134250.b\GD26X18.D
Lims ID: 410-201498-A-6 MSD
Client ID: HD-COD-SW-15-0/1-0 MSD
Sample Type: MSD
Inject. Date: 26-Dec-2024 15:45:30 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0134250-019
Operator ID: ecr105096 Instrument ID: 16334
Method: \\chromfs\Lancaster\ChromData\16334\20241226-134250.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 31-Dec-2024 18:11:34 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: CTX1726

First Level Reviewer: UKEK

Date: 31-Dec-2024 18:11:34

Compound	Amount Added	Amount Recovered	% Rec.
\$ 52 Dibromofluoromethane (Surr)	10.0	10.2	101.51
\$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.0	99.93
\$ 83 Toluene-d8 (Surr)	10.0	9.93	99.26
\$ 127 4-Bromofluorobenzene (Surr)	10.0	9.82	98.21

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment
Testing, LLC

Job No.: 410-201498-1

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.: 410-201498-1

SDG No.:

Instrument ID: 16334

Start Date: 12/26/2024 09:17

Analysis Batch Number: 589906

End Date: 12/26/2024 19:04

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-589906/1		12/26/2024 09:17	1	GD26T02.D	R-624Si1MS 30m 0.25 (mm)
CCVIS 410-589906/3		12/26/2024 09:50	1	GD26X02.D	R-624Si1MS 30m 0.25 (mm)
LCS 410-589906/4		12/26/2024 10:12	1	GD26X03.D	R-624Si1MS 30m 0.25 (mm)
LCSD 410-589906/5		12/26/2024 10:34	1	GD26X04.D	R-624Si1MS 30m 0.25 (mm)
ZZZZZ (QC)		12/26/2024 10:56	1		R-624Si1MS 30m 0.25 (mm)
MB 410-589906/7		12/26/2024 11:18	1	GD26X06.D	R-624Si1MS 30m 0.25 (mm)
410-201498-14	HD-QC1-0/1-2	12/26/2024 11:40	1	GD26X07.D	R-624Si1MS 30m 0.25 (mm)
ZZZZZ (Client)		12/26/2024 12:02	1		R-624Si1MS 30m 0.25 (mm)
ZZZZZ (Client)		12/26/2024 12:24	5		R-624Si1MS 30m 0.25 (mm)
ZZZZZ (Client)		12/26/2024 12:46	50		R-624Si1MS 30m 0.25 (mm)
410-201498-1	HD-COD-SW-6-0/1-0	12/26/2024 13:09	1	GD26X11.D	R-624Si1MS 30m 0.25 (mm)
410-201498-2	HD-COD-SW-7-0/1-0	12/26/2024 13:31	1	GD26X12.D	R-624Si1MS 30m 0.25 (mm)
410-201498-3	HD-COD-SW-8-0/1-0	12/26/2024 13:53	1	GD26X13.D	R-624Si1MS 30m 0.25 (mm)
410-201498-4	HD-COD-SW-9-0/1-0	12/26/2024 14:17	1	GD26X14.D	R-624Si1MS 30m 0.25 (mm)
410-201498-5	HD-COD-SW-13-0/1-0	12/26/2024 14:39	1	GD26X15.D	R-624Si1MS 30m 0.25 (mm)
410-201498-6	HD-COD-SW-15-0/1-0	12/26/2024 15:01	1	GD26X16.D	R-624Si1MS 30m 0.25 (mm)
410-201498-6 MS	HD-COD-SW-15-0/1-0 MS MS	12/26/2024 15:23	1	GD26X17.D	R-624Si1MS 30m 0.25 (mm)
410-201498-6 MSD	HD-COD-SW-15-0/1-0 MSD MSD	12/26/2024 15:45	1	GD26X18.D	R-624Si1MS 30m 0.25 (mm)
410-201498-7	HD-COD-SW-16-0/1-0	12/26/2024 16:07	1	GD26X19.D	R-624Si1MS 30m 0.25 (mm)
410-201498-9	HD-COD-SW-26-0/1-0	12/26/2024 16:29	1	GD26X20.D	R-624Si1MS 30m 0.25 (mm)
410-201498-10	HD-COD-SW-27-0/1-0	12/26/2024 16:51	1	GD26X21.D	R-624Si1MS 30m 0.25 (mm)
410-201498-11	HD-COD-SW-28-0/1-0	12/26/2024 17:13	1	GD26X22.D	R-624Si1MS 30m 0.25 (mm)
410-201498-12	HD-COD-SW-29-0/1-0	12/26/2024 17:35	1	GD26X23.D	R-624Si1MS 30m 0.25 (mm)
410-201498-8	HD-COD-SW-17-0/1-0	12/26/2024 17:57	1	GD26X24.D	R-624Si1MS 30m 0.25 (mm)
410-201498-8 DL	HD-COD-SW-17-0/1-0 DL	12/26/2024 18:19	10	GD26X25.D	R-624Si1MS 30m 0.25 (mm)
410-201498-13	HD-QC1-0/1-1	12/26/2024 18:41	1	GD26X26.D	R-624Si1MS 30m 0.25 (mm)
410-201498-13 DL	HD-QC1-0/1-1 DL	12/26/2024 19:04	10	GD26X27.D	R-624Si1MS 30m 0.25 (mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-201498-1

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.: 410-201498-1

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.: 410-201498-1

SDG No.: _____

Batch Number: 589906 Batch Start Date: 12/26/24 09:17 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 410-589906/1		8260D			1 uL	1 uL				
CCVIS 410-589906/3		8260D			25 mL	25 mL				2774
LCS 410-589906/4		8260D			25 mL	25 mL				2774
LCSD 410-589906/5		8260D			25 mL	25 mL				2774
MB 410-589906/7		8260D			25 mL	25 mL				2774
410-201498-A-14	HD-QC1-0/1-2	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-201498-A-1	HD-COD-SW-6-0/1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-201498-A-2	HD-COD-SW-7-0/1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-201498-A-3	HD-COD-SW-8-0/1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-201498-A-4	HD-COD-SW-9-0/1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-201498-A-5	HD-COD-SW-13-0/1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-201498-A-6	HD-COD-SW-15-0/1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-201498-A-6 MS	HD-COD-SW-15-0/1-0 MS	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-201498-A-6 MSD	HD-COD-SW-15-0/1-0 MSD	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-201498-A-7	HD-COD-SW-16-0/1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-201498-A-9	HD-COD-SW-26-0/1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-201498-A-10	HD-COD-SW-27-0/1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-201498-A-11	HD-COD-SW-28-0/1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-201498-A-12	HD-COD-SW-29-0/1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-201498-A-8	HD-COD-SW-17-0/1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-201498-B-8	HD-COD-SW-17-0/1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	2774
410-201498-A-13	HD-QC1-0/1-1	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	

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.: 410-201498-1

SDG No.: _____

Batch Number: 589906 Batch Start Date: 12/26/24 09:17 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
410-201498-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	MSV_29_826ISS 00058	MSV_LCS_VOC#1 00201	MSV_LL_#1_826 00156	MSV_LL_#2_826 00166	MSV_LL_GAS826 00250	MSV_QC_Gas826 00238
BFB 410-589906/1		8260D								
CCVIS 410-589906/3		8260D			1.199 uL		25 uL	25 uL	25 uL	
LCS 410-589906/4		8260D			1.199 uL	12.5 uL				12.5 uL
LCSD 410-589906/5		8260D			1.199 uL	12.5 uL				12.5 uL
MB 410-589906/7		8260D			1.199 uL					
410-201498-A-14	HD-QC1-0/1-2	8260D	Water	T	1.199 uL					
410-201498-A-1	HD-COD-SW-6-0/1-0	8260D	Water	T	1.199 uL					
410-201498-A-2	HD-COD-SW-7-0/1-0	8260D	Water	T	1.199 uL					
410-201498-A-3	HD-COD-SW-8-0/1-0	8260D	Water	T	1.199 uL					
410-201498-A-4	HD-COD-SW-9-0/1-0	8260D	Water	T	1.199 uL					
410-201498-A-5	HD-COD-SW-13-0/1-0	8260D	Water	T	1.199 uL					
410-201498-A-6	HD-COD-SW-15-0/1-0	8260D	Water	T	1.199 uL					
410-201498-A-6 MS	HD-COD-SW-15-0/1-0 MS	8260D	Water	T	1.199 uL	5.38 uL				5.38 uL
410-201498-A-6 MSD	HD-COD-SW-15-0/1-0 MSD	8260D	Water	T	1.199 uL	5.38 uL				5.38 uL
410-201498-A-7	HD-COD-SW-16-0/1-0	8260D	Water	T	1.199 uL					
410-201498-A-9	HD-COD-SW-26-0/1-0	8260D	Water	T	1.199 uL					
410-201498-A-10	HD-COD-SW-27-0/1-0	8260D	Water	T	1.199 uL					
410-201498-A-11	HD-COD-SW-28-0/1-0	8260D	Water	T	1.199 uL					
410-201498-A-12	HD-COD-SW-29-0/1-0	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.: 410-201498-1

SDG No.: _____

Batch Number: 589906 Batch Start Date: 12/26/24 09:17 Batch Analyst: Ressler, EricBatch Method: 8260D Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_29_826ISS 00058	MSV_LCS_VOC#1 00201	MSV_LL_#1_826 00156	MSV_LL_#2_826 00166	MSV_LL_GAS826 00250	MSV_QC_Gas826 00238
410-201498-A-8	HD-COD-SW-17-0/ 1-0	8260D	Water	T	1.199 uL					
410-201498-B-8	HD-COD-SW-17-0/ 1-0	8260D	Water	T	1.199 uL					
410-201498-A-13	HD-QC1-0/1-1	8260D	Water	T	1.199 uL					
410-201498-B-13	HD-QC1-0/1-1	8260D	Water	T	1.199 uL					

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_V_BFB 00018					
BFB 410-589906/1		8260D			1 uL					
CCVIS 410-589906/3		8260D								
LCS 410-589906/4		8260D								
LCSD 410-589906/5		8260D								
MB 410-589906/7		8260D								
410-201498-A-14	HD-QC1-0/1-2	8260D	Water	T						
410-201498-A-1	HD-COD-SW-6-0/1 -0	8260D	Water	T						
410-201498-A-2	HD-COD-SW-7-0/1 -0	8260D	Water	T						
410-201498-A-3	HD-COD-SW-8-0/1 -0	8260D	Water	T						
410-201498-A-4	HD-COD-SW-9-0/1 -0	8260D	Water	T						
410-201498-A-5	HD-COD-SW-13-0/ 1-0	8260D	Water	T						
410-201498-A-6	HD-COD-SW-15-0/ 1-0	8260D	Water	T						
410-201498-A-6 MS	HD-COD-SW-15-0/ 1-0 MS	8260D	Water	T						
410-201498-A-6 MSD	HD-COD-SW-15-0/ 1-0 MSD	8260D	Water	T						
410-201498-A-7	HD-COD-SW-16-0/ 1-0	8260D	Water	T						
410-201498-A-9	HD-COD-SW-26-0/ 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.: 410-201498-1

SDG No.: _____

Batch Number: 589906 Batch Start Date: 12/26/24 09:17 Batch Analyst: Ressler, EricBatch Method: 8260D Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_V_BFB 00018					
410-201498-A-10	HD-COD-SW-27-0/ 1-0	8260D	Water	T						
410-201498-A-11	HD-COD-SW-28-0/ 1-0	8260D	Water	T						
410-201498-A-12	HD-COD-SW-29-0/ 1-0	8260D	Water	T						
410-201498-A-8	HD-COD-SW-17-0/ 1-0	8260D	Water	T						
410-201498-B-8	HD-COD-SW-17-0/ 1-0	8260D	Water	T						
410-201498-A-13	HD-QC1-0/1-1	8260D	Water	T						
410-201498-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



410-201498 Chain of Custody

Environmental Analysis Request/Chain of Custody

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Acct. # _____ Group # _____ Sample # _____

Client: Groundwater Sciences Corporation				Matrix			Analyses Requested										For Lab Use Only				
Project Name/#: FYNOP Monthly Surface Water		Site ID #: FYNOP, York PA		☐ Tissue ☐ Ground ☒ Surface			Preservation Codes										SF #: _____				
Project Manager: Chris O'Neil		P.O. #: 10012.52		☐ Potable ☐ NPDES			H										SCR #: _____				
Sampler: Casey Littlefield / Lucas Grimm <i>SCOTT MORGAN</i>		PWSID #: N/A		☐ Sediment ☐ Water ☐ Other:			Aqueous VOCs via 8260D (low level - 25 ml purge)										Preservation Codes				
Phone #: (717) 901-8176 / (717) 756-1246		Quote #:															H = HCl T = Thiosulfate				
State where samples were collected: York, PA		For Compliance: Yes ☐ No ☒															N = HNO ₃ B = NaOH				
																	S = H ₂ SO ₄ P = H ₃ PO ₄				
																	O = Other				
Sample Identification		Date	Time	Grab	Composite	Soil	Water	Other:	Total # of Containers											Remarks	
HD-COD-SW-6-0/1-0		12/18/24	1000	X			X		3	X											
HD-COD-SW-7-0/1-0			1115	X			X		3	X											
HD-COD-SW-8-0/1-0			0850	X			X		3	X											
HD-COD-SW-9-0/1-0			1215	X			X		3	X											
HD-COD-SW-13-0/1-0			0900	X			X		3	X											
HD-COD-SW-15-0/1-0			1130	X			X		3	X											
HD-COD-SW-15-0/1-0 MS			1130	X			X		3	X											
HD-COD-SW-15-0/1-0 MSD			1130	X			X		3	X											
HD-COD-SW-16-0/1-0			0920	X			X		3	X											
HD-COD-SW-17-0/1-0			0935	X			X		3	X											
Turnaround Time Requested (TAT) (please check): Standard ☒ Rush ☐				Relinquished by: <i>Chris O'Neil</i>				Date: 12/18/24 Time: 1530		Received by: <i>Christopher D. O'Neil</i>				Date: 12/18/24 Time: 15:40							
(Rush TAT is subject to laboratory approval and surcharges.)				Relinquished by: <i>Christopher D. O'Neil</i>				Date: 12/19/24 Time: 0931		Received by: <i>ELLE</i>				Date: 12/19/24 Time: 931							
Date results are needed:				Relinquished by: <i>ELLE</i>				Date: 12/19/24 Time: 1425		Received by:				Date: Time:							
Rush results requested by (please check): E-Mail ☒ Phone ☐				Relinquished by:				Date: Time:		Received by:				Date: Time:							
E-mail Address: <i>ON-FILE</i>				Relinquished by:				Date: Time:		Received by:				Date: Time:							
Phone:				Relinquished by:				Date: Time:		Received by:				Date: Time:							
Data Package Options (please check if required)				Relinquished by:				Date: Time:		Received by:				Date: Time:							
Type I (Validation/non-CLP) ☐ MA MCP ☐				Relinquished by:				Date: Time:		Received by:				Date: Time:							
Type III (Reduced non-CLP) ☐ CT RCP ☐				Relinquished by:				Date: Time:		Received by:				Date: Time:							
Type VI (Raw Data Only) ☐ TX TRRP-13 ☐				Relinquished by:				Date: Time:		Received by:				Date: Time:							
NJ DKQP ☐ NYSDEC Category ☐ A or ☐ B				Relinquished by:				Date: Time:		Received by:				Date: Time:							
CLP Like Deliverables, Project Specific Analyte List				Relinquished by Commercial Carrier:				Date: Time:		Received by:				Date: Time:							
EDD Required? Yes ☒ No ☐ If yes, format: _____				UPS _____ FedEx _____ Other ☒				Temperature upon receipt: <i>R: 0.8 C: 0.4</i> °C													

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Acct. #	Group #	Sample #
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MS

Login Sample Receipt Checklist

Client: Groundwater Sciences Corporation

Job Number: 410-201498-1

Login Number: 201498

List Number: 1

Creator: Reiff, Nicole L

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	N/A	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	True	