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ANALYTICAL REPORT

PREPARED FOR

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Generated 11/11/2024 Revision 1

JOB DESCRIPTION

fYNOP Monthly Surface Water

JOB NUMBER

410-193020-1

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

See page two for job notes and contact information.

my EOL

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
11/11/2024
Revision 1

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Definitions/Glossary

Client: Groundwater Sciences Corporation
Job ID: 410-193020-1
Project/Site: fYNOP Monthly Surface Water

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*3	ISTD response or retention time outside acceptable limits.
^c	CCV Recovery is outside acceptance limits.
cn	Refer to Case Narrative for further detail
FH	MS and/or MSD recovery above control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Job Narrative
410-193020-1

REVISION

The report being provided is a revision of the original report sent on 10/31/2024. The report (revision 1) is being revised due to a change in reporting of the RL for DF1 trials.

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 10/18/2024 1:20 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 3.2°C.

GC/MS VOA
Method 8260D_LL: The continuing calibration verification (CCV) associated with batch 410-569172 recovered outside acceptance criteria, low biased, for Chloromethane and Vinyl chloride. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260D_LL: Internal standard (ISTD) response for the following samples were outside of acceptance limits due to foaming: HD-COD-SW-16-0/1-0 (410-193020-7) and HD-COD-SW-27-0/1-0 (410-193020-10). Data reported as per client.

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: 410-193020-1

Client Sample ID: HD-COD-SW-6-0/1-0 — Lab Sample ID: 410-193020-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.11	J	0.50	0.090	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.14	J	0.50	0.080	ug/L	1		8260D	Total/NA
Trichloroethene	0.19	J	0.50	0.080	ug/L	1		8260D	Total/NA

Client Sample ID: HD-COD-SW-7-0/1-0 — Lab Sample ID: 410-193020-2

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	0.15	J	0.50	0.090	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.19	J	0.50	0.080	ug/L	1		8260D	Total/NA
Trichloroethene	0.26	J	0.50	0.080	ug/L	1		8260D	Total/NA

Client Sample ID: HD-COD-SW-8-0/1-0 — Lab Sample ID: 410-193020-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	0.10	J	0.50	0.080	ug/L	1		8260D	Total/NA
Acetone	2.0	J	5.0	1.5	ug/L	1		8260D	Total/NA
Chloroform	0.14	J	0.50	0.090	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.23	J	0.50	0.080	ug/L	1		8260D	Total/NA
Tetrachloroethene	1.6		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: 410-193020-4

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	0.13	J	0.50	0.090	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.13	J	0.50	0.080	ug/L	1		8260D	Total/NA
Tetrachloroethene	0.28	J	0.50	0.20	ug/L	1		8260D	Total/NA
Trichloroethene	0.17	J	0.50	0.080	ug/L	1		8260D	Total/NA

Client Sample ID: HD-COD-SW-13-0/1-0 — Lab Sample ID: 410-193020-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	0.12	J	0.50	0.080	ug/L	1		8260D	Total/NA
Chloroform	0.13	J	0.50	0.090	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.24	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	0.32	J	0.50	0.080	ug/L	1		8260D	Total/NA

Client Sample ID: HD-COD-SW-15-0/1-0 — Lab Sample ID: 410-193020-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	0.21	J	0.50	0.080	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	0.11	J	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	0.76		0.50	0.080	ug/L	1		8260D	Total/NA
Tetrachloroethene	4.1		0.50	0.20	ug/L	1		8260D	Total/NA
Trichloroethene	0.85		0.50	0.080	ug/L	1		8260D	Total/NA

Client Sample ID: HD-COD-SW-16-0/1-0 — Lab Sample ID: 410-193020-7

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

This Detection Summary does not include radiochemical test results.

Client Sample ID: HD-COD-SW-16-0/1-0 (Continued) — Lab Sample ID: 410-193020-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.11	J cn	0.50	0.10	ug/L	1		8260D	Total/NA
Carbon disulfide	0.12	J cn	1.0	0.10	ug/L	1		8260D	Total/NA
Chloroform	0.13	J cn	0.50	0.090	ug/L	1		8260D	Total/NA
Chloromethane	0.16	J cn	0.50	0.10	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.25	J cn	0.50	0.080	ug/L	1		8260D	Total/NA
Tetrachloroethene	2.1	cn	0.50	0.20	ug/L	1		8260D	Total/NA
Trichloroethene	0.31	J cn	0.50	0.080	ug/L	1		8260D	Total/NA

Client Sample ID: HD-COD-SW-17-0/1-0 — Lab Sample ID: 410-193020-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	11		0.50	0.080	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	1.6		0.50	0.10	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	0.82		0.50	0.10	ug/L	1		8260D	Total/NA
Chloroform	0.20	J	0.50	0.090	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	2.5		0.50	0.080	ug/L	1		8260D	Total/NA
Trichloroethene	4.5		0.50	0.080	ug/L	1		8260D	Total/NA
Tetrachloroethene - DL	130		5.0	2.0	ug/L	10		8260D	Total/NA

Client Sample ID: HD-COD-SW-26-0/1-0 — Lab Sample ID: 410-193020-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	0.15	J	0.50	0.10	ug/L	1		8260D	Total/NA
Chloroform	0.84		0.50	0.090	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.098	J	0.50	0.080	ug/L	1		8260D	Total/NA
Tetrachloroethene	4.0		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: 410-193020-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	2.4	J *3 cn	5.0	1.5	ug/L	1		8260D	Total/NA
Carbon disulfide	0.12	J cn	1.0	0.10	ug/L	1		8260D	Total/NA
Chloroform	0.27	J cn	0.50	0.090	ug/L	1		8260D	Total/NA
Chloromethane	0.12	J cn	0.50	0.10	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.15	J cn	0.50	0.080	ug/L	1		8260D	Total/NA
Tetrachloroethene	0.23	J cn	0.50	0.20	ug/L	1		8260D	Total/NA
Trichloroethene	0.18	J cn	0.50	0.080	ug/L	1		8260D	Total/NA

Client Sample ID: HD-COD-SW-28-0/1-0 — Lab Sample ID: 410-193020-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.12	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	0.15	J	0.50	0.080	ug/L	1		8260D	Total/NA
Tetrachloroethene	0.30	J	0.50	0.20	ug/L	1		8260D	Total/NA
Trichloroethene	0.17	J	0.50	0.080	ug/L	1		8260D	Total/NA

Client Sample ID: HD-COD-SW-29-0/1-0 — Lab Sample ID: 410-193020-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.12	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

This Detection Summary does not include radiochemical test results.

Client Sample ID: HD-COD-SW-29-0/1-0 (Continued) — Lab Sample ID: 410-193020-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.20	J	0.50	0.080	ug/L	1		8260D	Total/NA
Tetrachloroethene	0.71		0.50	0.20	ug/L	1		8260D	Total/NA
Trichloroethene	0.27	J	0.50	0.080	ug/L	1		8260D	Total/NA

Client Sample ID: HD-QC1-0/1-1 — Lab Sample ID: 410-193020-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	9.7		0.50	0.080	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	1.6		0.50	0.10	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	0.71		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	2.2		0.50	0.080	ug/L	1		8260D	Total/NA
Trichloroethene	4.4		0.50	0.080	ug/L	1		8260D	Total/NA
Tetrachloroethene - DL	140		5.0	2.0	ug/L	10		8260D	Total/NA

Client Sample ID: HD-QC1-0/1-2 — Lab Sample ID: 410-193020-14

No Detections.

This Detection Summary does not include radiochemical test results.

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

Date Collected: 10/18/24 10:00
Date Received: 10/18/24 13:20

Lab Sample ID: 410-193020-1

Matrix: Water

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			10/23/24 12:33	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			10/23/24 12:33	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			10/23/24 12:33	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			10/23/24 12:33	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			10/23/24 12:33	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			10/23/24 12:33	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			10/23/24 12:33	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			10/23/24 12:33	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			10/23/24 12:33	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			10/23/24 12:33	1
2-Hexanone	ND		5.0	2.0	ug/L			10/23/24 12:33	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			10/23/24 12:33	1
Acetone	ND		5.0	1.5	ug/L			10/23/24 12:33	1
Benzene	ND		0.50	0.10	ug/L			10/23/24 12:33	1
Bromochloromethane	ND		0.50	0.080	ug/L			10/23/24 12:33	1
Bromodichloromethane	ND		0.50	0.080	ug/L			10/23/24 12:33	1
Bromoform	ND		1.0	0.30	ug/L			10/23/24 12:33	1
Bromomethane	ND		0.50	0.10	ug/L			10/23/24 12:33	1
Carbon disulfide	ND		1.0	0.10	ug/L			10/23/24 12:33	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			10/23/24 12:33	1
Chlorobenzene	ND		0.50	0.070	ug/L			10/23/24 12:33	1
Chloroethane	ND		0.50	0.10	ug/L			10/23/24 12:33	1
Chloroform	**0.11**	**J**	0.50	0.090	ug/L			10/23/24 12:33	1
Chloromethane	ND		0.50	0.10	ug/L			10/23/24 12:33	1
cis-1,2-Dichloroethene	**0.14**	**J**	0.50	0.080	ug/L			10/23/24 12:33	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			10/23/24 12:33	1
Dibromochloromethane	ND		0.50	0.080	ug/L			10/23/24 12:33	1
Ethylbenzene	ND		0.50	0.080	ug/L			10/23/24 12:33	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			10/23/24 12:33	1
Methylene Chloride	ND		0.50	0.20	ug/L			10/23/24 12:33	1
Styrene	ND		0.50	0.070	ug/L			10/23/24 12:33	1
Tetrachloroethene	ND		0.50	0.20	ug/L			10/23/24 12:33	1
Toluene	ND		0.50	0.080	ug/L			10/23/24 12:33	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			10/23/24 12:33	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			10/23/24 12:33	1
Trichloroethene	**0.19**	**J**	0.50	0.080	ug/L			10/23/24 12:33	1
Vinyl chloride	ND		0.50	0.10	ug/L			10/23/24 12:33	1
Xylenes, Total	ND		1.0	0.070	ug/L			10/23/24 12:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*80 - 120*		*10/23/24 12:33*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*10/23/24 12:33*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*10/23/24 12:33*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/23/24 12:33*	*1*

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

Date Collected: 10/18/24 10:47
Date Received: 10/18/24 13:20

Lab Sample ID: 410-193020-2

Matrix: Water

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			10/23/24 12:55	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			10/23/24 12:55	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			10/23/24 12:55	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			10/23/24 12:55	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			10/23/24 12:55	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			10/23/24 12:55	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			10/23/24 12:55	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			10/23/24 12:55	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			10/23/24 12:55	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			10/23/24 12:55	1
2-Hexanone	ND		5.0	2.0	ug/L			10/23/24 12:55	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			10/23/24 12:55	1
Acetone	**1.7**	**J**	5.0	1.5	ug/L			10/23/24 12:55	1
Benzene	ND		0.50	0.10	ug/L			10/23/24 12:55	1
Bromochloromethane	ND		0.50	0.080	ug/L			10/23/24 12:55	1
Bromodichloromethane	ND		0.50	0.080	ug/L			10/23/24 12:55	1
Bromoform	ND		1.0	0.30	ug/L			10/23/24 12:55	1
Bromomethane	ND		0.50	0.10	ug/L			10/23/24 12:55	1
Carbon disulfide	ND		1.0	0.10	ug/L			10/23/24 12:55	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			10/23/24 12:55	1
Chlorobenzene	ND		0.50	0.070	ug/L			10/23/24 12:55	1
Chloroethane	ND		0.50	0.10	ug/L			10/23/24 12:55	1
Chloroform	**0.15**	**J**	0.50	0.090	ug/L			10/23/24 12:55	1
Chloromethane	ND		0.50	0.10	ug/L			10/23/24 12:55	1
cis-1,2-Dichloroethene	**0.19**	**J**	0.50	0.080	ug/L			10/23/24 12:55	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			10/23/24 12:55	1
Dibromochloromethane	ND		0.50	0.080	ug/L			10/23/24 12:55	1
Ethylbenzene	ND		0.50	0.080	ug/L			10/23/24 12:55	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			10/23/24 12:55	1
Methylene Chloride	ND		0.50	0.20	ug/L			10/23/24 12:55	1
Styrene	ND		0.50	0.070	ug/L			10/23/24 12:55	1
Tetrachloroethene	ND		0.50	0.20	ug/L			10/23/24 12:55	1
Toluene	ND		0.50	0.080	ug/L			10/23/24 12:55	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			10/23/24 12:55	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			10/23/24 12:55	1
Trichloroethene	**0.26**	**J**	0.50	0.080	ug/L			10/23/24 12:55	1
Vinyl chloride	ND		0.50	0.10	ug/L			10/23/24 12:55	1
Xylenes, Total	ND		1.0	0.070	ug/L			10/23/24 12:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*80 - 120*		*10/23/24 12:55*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*10/23/24 12:55*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*10/23/24 12:55*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*10/23/24 12:55*	*1*

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

Date Collected: 10/18/24 08:55
Date Received: 10/18/24 13:20

Lab Sample ID: 410-193020-3

Matrix: Water

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			10/23/24 13:17	1
1,1,1-Trichloroethane	**0.10**	**J**	0.50	0.080	ug/L			10/23/24 13:17	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			10/23/24 13:17	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			10/23/24 13:17	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			10/23/24 13:17	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			10/23/24 13:17	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			10/23/24 13:17	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			10/23/24 13:17	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			10/23/24 13:17	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			10/23/24 13:17	1
2-Hexanone	ND		5.0	2.0	ug/L			10/23/24 13:17	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			10/23/24 13:17	1
Acetone	**2.0**	**J**	5.0	1.5	ug/L			10/23/24 13:17	1
Benzene	ND		0.50	0.10	ug/L			10/23/24 13:17	1
Bromochloromethane	ND		0.50	0.080	ug/L			10/23/24 13:17	1
Bromodichloromethane	ND		0.50	0.080	ug/L			10/23/24 13:17	1
Bromoform	ND		1.0	0.30	ug/L			10/23/24 13:17	1
Bromomethane	ND		0.50	0.10	ug/L			10/23/24 13:17	1
Carbon disulfide	ND		1.0	0.10	ug/L			10/23/24 13:17	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			10/23/24 13:17	1
Chlorobenzene	ND		0.50	0.070	ug/L			10/23/24 13:17	1
Chloroethane	ND		0.50	0.10	ug/L			10/23/24 13:17	1
Chloroform	**0.14**	**J**	0.50	0.090	ug/L			10/23/24 13:17	1
Chloromethane	ND		0.50	0.10	ug/L			10/23/24 13:17	1
cis-1,2-Dichloroethene	**0.23**	**J**	0.50	0.080	ug/L			10/23/24 13:17	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			10/23/24 13:17	1
Dibromochloromethane	ND		0.50	0.080	ug/L			10/23/24 13:17	1
Ethylbenzene	ND		0.50	0.080	ug/L			10/23/24 13:17	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			10/23/24 13:17	1
Methylene Chloride	ND		0.50	0.20	ug/L			10/23/24 13:17	1
Styrene	ND		0.50	0.070	ug/L			10/23/24 13:17	1
Tetrachloroethene	**1.6**		0.50	0.20	ug/L			10/23/24 13:17	1
Toluene	ND		0.50	0.080	ug/L			10/23/24 13:17	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			10/23/24 13:17	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			10/23/24 13:17	1
Trichloroethene	**0.32**	**J**	0.50	0.080	ug/L			10/23/24 13:17	1
Vinyl chloride	ND		0.50	0.10	ug/L			10/23/24 13:17	1
Xylenes, Total	ND		1.0	0.070	ug/L			10/23/24 13:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*80 - 120*		*10/23/24 13:17*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*10/23/24 13:17*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*10/23/24 13:17*	*1*
Toluene-d8 (Surr)	*107*		*80 - 120*		*10/23/24 13:17*	*1*

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

Date Collected: 10/18/24 12:10
Date Received: 10/18/24 13:20

Lab Sample ID: 410-193020-4

Matrix: Water

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			10/23/24 13:40	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			10/23/24 13:40	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			10/23/24 13:40	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			10/23/24 13:40	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			10/23/24 13:40	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			10/23/24 13:40	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			10/23/24 13:40	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			10/23/24 13:40	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			10/23/24 13:40	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			10/23/24 13:40	1
2-Hexanone	ND		5.0	2.0	ug/L			10/23/24 13:40	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			10/23/24 13:40	1
Acetone	**2.1**	**J**	5.0	1.5	ug/L			10/23/24 13:40	1
Benzene	ND		0.50	0.10	ug/L			10/23/24 13:40	1
Bromochloromethane	ND		0.50	0.080	ug/L			10/23/24 13:40	1
Bromodichloromethane	ND		0.50	0.080	ug/L			10/23/24 13:40	1
Bromoform	ND		1.0	0.30	ug/L			10/23/24 13:40	1
Bromomethane	ND		0.50	0.10	ug/L			10/23/24 13:40	1
Carbon disulfide	ND		1.0	0.10	ug/L			10/23/24 13:40	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			10/23/24 13:40	1
Chlorobenzene	ND		0.50	0.070	ug/L			10/23/24 13:40	1
Chloroethane	ND		0.50	0.10	ug/L			10/23/24 13:40	1
Chloroform	**0.13**	**J**	0.50	0.090	ug/L			10/23/24 13:40	1
Chloromethane	ND		0.50	0.10	ug/L			10/23/24 13:40	1
cis-1,2-Dichloroethene	**0.13**	**J**	0.50	0.080	ug/L			10/23/24 13:40	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			10/23/24 13:40	1
Dibromochloromethane	ND		0.50	0.080	ug/L			10/23/24 13:40	1
Ethylbenzene	ND		0.50	0.080	ug/L			10/23/24 13:40	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			10/23/24 13:40	1
Methylene Chloride	ND		0.50	0.20	ug/L			10/23/24 13:40	1
Styrene	ND		0.50	0.070	ug/L			10/23/24 13:40	1
Tetrachloroethene	**0.28**	**J**	0.50	0.20	ug/L			10/23/24 13:40	1
Toluene	ND		0.50	0.080	ug/L			10/23/24 13:40	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			10/23/24 13:40	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			10/23/24 13:40	1
Trichloroethene	**0.17**	**J**	0.50	0.080	ug/L			10/23/24 13:40	1
Vinyl chloride	ND		0.50	0.10	ug/L			10/23/24 13:40	1
Xylenes, Total	ND		1.0	0.070	ug/L			10/23/24 13:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*80 - 120*		*10/23/24 13:40*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*10/23/24 13:40*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 120*		*10/23/24 13:40*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*10/23/24 13:40*	*1*

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

Date Collected: 10/18/24 09:10
Date Received: 10/18/24 13:20

Lab Sample ID: 410-193020-5

Matrix: Water

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			10/23/24 14:02	1
1,1,1-Trichloroethane	**0.12**	**J**	0.50	0.080	ug/L			10/23/24 14:02	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			10/23/24 14:02	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			10/23/24 14:02	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			10/23/24 14:02	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			10/23/24 14:02	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			10/23/24 14:02	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			10/23/24 14:02	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			10/23/24 14:02	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			10/23/24 14:02	1
2-Hexanone	ND		5.0	2.0	ug/L			10/23/24 14:02	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			10/23/24 14:02	1
Acetone	ND		5.0	1.5	ug/L			10/23/24 14:02	1
Benzene	ND		0.50	0.10	ug/L			10/23/24 14:02	1
Bromochloromethane	ND		0.50	0.080	ug/L			10/23/24 14:02	1
Bromodichloromethane	ND		0.50	0.080	ug/L			10/23/24 14:02	1
Bromoform	ND		1.0	0.30	ug/L			10/23/24 14:02	1
Bromomethane	ND		0.50	0.10	ug/L			10/23/24 14:02	1
Carbon disulfide	ND		1.0	0.10	ug/L			10/23/24 14:02	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			10/23/24 14:02	1
Chlorobenzene	ND		0.50	0.070	ug/L			10/23/24 14:02	1
Chloroethane	ND		0.50	0.10	ug/L			10/23/24 14:02	1
Chloroform	**0.13**	**J**	0.50	0.090	ug/L			10/23/24 14:02	1
Chloromethane	ND		0.50	0.10	ug/L			10/23/24 14:02	1
cis-1,2-Dichloroethene	**0.24**	**J**	0.50	0.080	ug/L			10/23/24 14:02	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			10/23/24 14:02	1
Dibromochloromethane	ND		0.50	0.080	ug/L			10/23/24 14:02	1
Ethylbenzene	ND		0.50	0.080	ug/L			10/23/24 14:02	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			10/23/24 14:02	1
Methylene Chloride	ND		0.50	0.20	ug/L			10/23/24 14:02	1
Styrene	ND		0.50	0.070	ug/L			10/23/24 14:02	1
Tetrachloroethene	**1.7**		0.50	0.20	ug/L			10/23/24 14:02	1
Toluene	ND		0.50	0.080	ug/L			10/23/24 14:02	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			10/23/24 14:02	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			10/23/24 14:02	1
Trichloroethene	**0.32**	**J**	0.50	0.080	ug/L			10/23/24 14:02	1
Vinyl chloride	ND		0.50	0.10	ug/L			10/23/24 14:02	1
Xylenes, Total	ND		1.0	0.070	ug/L			10/23/24 14:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*		*10/23/24 14:02*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*10/23/24 14:02*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 120*		*10/23/24 14:02*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*10/23/24 14:02*	*1*

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

Date Collected: 10/18/24 11:10
Date Received: 10/18/24 13:20

Lab Sample ID: 410-193020-6

Matrix: Water

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			10/23/24 14:24	1
1,1,1-Trichloroethane	**0.21**	**J**	0.50	0.080	ug/L			10/23/24 14:24	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			10/23/24 14:24	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			10/23/24 14:24	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			10/23/24 14:24	1
1,1-Dichloroethene	**0.11**	**J**	0.50	0.10	ug/L			10/23/24 14:24	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			10/23/24 14:24	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			10/23/24 14:24	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			10/23/24 14:24	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			10/23/24 14:24	1
2-Hexanone	ND		5.0	2.0	ug/L			10/23/24 14:24	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			10/23/24 14:24	1
Acetone	ND		5.0	1.5	ug/L			10/23/24 14:24	1
Benzene	ND		0.50	0.10	ug/L			10/23/24 14:24	1
Bromochloromethane	ND		0.50	0.080	ug/L			10/23/24 14:24	1
Bromodichloromethane	ND		0.50	0.080	ug/L			10/23/24 14:24	1
Bromoform	ND		1.0	0.30	ug/L			10/23/24 14:24	1
Bromomethane	ND		0.50	0.10	ug/L			10/23/24 14:24	1
Carbon disulfide	ND		1.0	0.10	ug/L			10/23/24 14:24	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			10/23/24 14:24	1
Chlorobenzene	ND		0.50	0.070	ug/L			10/23/24 14:24	1
Chloroethane	ND		0.50	0.10	ug/L			10/23/24 14:24	1
Chloroform	**0.18**	**J**	0.50	0.090	ug/L			10/23/24 14:24	1
Chloromethane	ND		0.50	0.10	ug/L			10/23/24 14:24	1
cis-1,2-Dichloroethene	**0.76**		0.50	0.080	ug/L			10/23/24 14:24	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			10/23/24 14:24	1
Dibromochloromethane	ND		0.50	0.080	ug/L			10/23/24 14:24	1
Ethylbenzene	ND		0.50	0.080	ug/L			10/23/24 14:24	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			10/23/24 14:24	1
Methylene Chloride	ND		0.50	0.20	ug/L			10/23/24 14:24	1
Styrene	ND		0.50	0.070	ug/L			10/23/24 14:24	1
Tetrachloroethene	**4.1**		0.50	0.20	ug/L			10/23/24 14:24	1
Toluene	ND		0.50	0.080	ug/L			10/23/24 14:24	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			10/23/24 14:24	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			10/23/24 14:24	1
Trichloroethene	**0.85**		0.50	0.080	ug/L			10/23/24 14:24	1
Vinyl chloride	ND		0.50	0.10	ug/L			10/23/24 14:24	1
Xylenes, Total	ND		1.0	0.070	ug/L			10/23/24 14:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 120*		*10/23/24 14:24*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*10/23/24 14:24*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 120*		*10/23/24 14:24*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*10/23/24 14:24*	*1*

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

Date Collected: 10/18/24 09:28
Date Received: 10/18/24 13:20

Lab Sample ID: 410-193020-7

Matrix: Water

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	cn	0.50	0.070	ug/L			10/23/24 15:30	1
1,1,1-Trichloroethane	**0.15**	**J cn**	0.50	0.080	ug/L			10/23/24 15:30	1
1,1,2,2-Tetrachloroethane	ND	cn	0.50	0.10	ug/L			10/23/24 15:30	1
1,1,2-Trichloroethane	ND	cn	0.50	0.080	ug/L			10/23/24 15:30	1
1,1-Dichloroethane	ND	cn	0.50	0.10	ug/L			10/23/24 15:30	1
1,1-Dichloroethene	ND	cn	0.50	0.10	ug/L			10/23/24 15:30	1
1,2-Dibromoethane (EDB)	ND	cn	0.50	0.080	ug/L			10/23/24 15:30	1
1,2-Dichloroethane	ND	cn	0.50	0.070	ug/L			10/23/24 15:30	1
1,2-Dichloropropane	ND	cn	0.50	0.10	ug/L			10/23/24 15:30	1
2-Butanone (MEK)	ND	*3 cn	5.0	1.0	ug/L			10/23/24 15:30	1
2-Hexanone	ND	*3 cn	5.0	2.0	ug/L			10/23/24 15:30	1
4-Methyl-2-pentanone (MIBK)	ND	*3 cn	5.0	1.0	ug/L			10/23/24 15:30	1
Acetone	ND	*3 cn	5.0	1.5	ug/L			10/23/24 15:30	1
Benzene	**0.11**	**J cn**	0.50	0.10	ug/L			10/23/24 15:30	1
Bromochloromethane	ND	cn	0.50	0.080	ug/L			10/23/24 15:30	1
Bromodichloromethane	ND	cn	0.50	0.080	ug/L			10/23/24 15:30	1
Bromoform	ND	cn	1.0	0.30	ug/L			10/23/24 15:30	1
Bromomethane	ND	cn	0.50	0.10	ug/L			10/23/24 15:30	1
Carbon disulfide	**0.12**	**J cn**	1.0	0.10	ug/L			10/23/24 15:30	1
Carbon tetrachloride	ND	cn	0.50	0.10	ug/L			10/23/24 15:30	1
Chlorobenzene	ND	cn	0.50	0.070	ug/L			10/23/24 15:30	1
Chloroethane	ND	cn	0.50	0.10	ug/L			10/23/24 15:30	1
Chloroform	**0.13**	**J cn**	0.50	0.090	ug/L			10/23/24 15:30	1
Chloromethane	**0.16**	**J cn**	0.50	0.10	ug/L			10/23/24 15:30	1
cis-1,2-Dichloroethene	**0.25**	**J cn**	0.50	0.080	ug/L			10/23/24 15:30	1
cis-1,3-Dichloropropene	ND	cn	0.50	0.10	ug/L			10/23/24 15:30	1
Dibromochloromethane	ND	cn	0.50	0.080	ug/L			10/23/24 15:30	1
Ethylbenzene	ND	cn	0.50	0.080	ug/L			10/23/24 15:30	1
Methyl tert-butyl ether	ND	cn	0.50	0.080	ug/L			10/23/24 15:30	1
Methylene Chloride	ND	cn	0.50	0.20	ug/L			10/23/24 15:30	1
Styrene	ND	cn	0.50	0.070	ug/L			10/23/24 15:30	1
Tetrachloroethene	**2.1**	**cn**	0.50	0.20	ug/L			10/23/24 15:30	1
Toluene	ND	cn	0.50	0.080	ug/L			10/23/24 15:30	1
trans-1,2-Dichloroethene	ND	cn	0.50	0.10	ug/L			10/23/24 15:30	1
trans-1,3-Dichloropropene	ND	cn	0.50	0.080	ug/L			10/23/24 15:30	1
Trichloroethene	**0.31**	**J cn**	0.50	0.080	ug/L			10/23/24 15:30	1
Vinyl chloride	ND	cn	0.50	0.10	ug/L			10/23/24 15:30	1
Xylenes, Total	ND	cn	1.0	0.070	ug/L			10/23/24 15:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*	*cn*	*80 - 120*		*10/23/24 15:30*	*1*
4-Bromofluorobenzene (Surr)	*98*	*cn*	*80 - 120*		*10/23/24 15:30*	*1*
Dibromofluoromethane (Surr)	*101*	*cn*	*80 - 120*		*10/23/24 15:30*	*1*
Toluene-d8 (Surr)	*104*	*cn*	*80 - 120*		*10/23/24 15:30*	*1*

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

Date Collected: 10/18/24 09:40
Date Received: 10/18/24 13:20

Lab Sample ID: 410-193020-8

Matrix: Water

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			10/29/24 23:45	1
1,1,1-Trichloroethane	**11**		0.50	0.080	ug/L			10/29/24 23:45	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			10/29/24 23:45	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			10/29/24 23:45	1
1,1-Dichloroethane	**1.6**		0.50	0.10	ug/L			10/29/24 23:45	1
1,1-Dichloroethene	**0.82**		0.50	0.10	ug/L			10/29/24 23:45	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			10/29/24 23:45	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			10/29/24 23:45	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			10/29/24 23:45	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			10/29/24 23:45	1
2-Hexanone	ND		5.0	2.0	ug/L			10/29/24 23:45	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			10/29/24 23:45	1
Acetone	ND		5.0	1.5	ug/L			10/29/24 23:45	1
Benzene	ND		0.50	0.10	ug/L			10/29/24 23:45	1
Bromochloromethane	ND		0.50	0.080	ug/L			10/29/24 23:45	1
Bromodichloromethane	ND		0.50	0.080	ug/L			10/29/24 23:45	1
Bromoform	ND		1.0	0.30	ug/L			10/29/24 23:45	1
Bromomethane	ND		0.50	0.10	ug/L			10/29/24 23:45	1
Carbon disulfide	ND		1.0	0.10	ug/L			10/29/24 23:45	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			10/29/24 23:45	1
Chlorobenzene	ND		0.50	0.070	ug/L			10/29/24 23:45	1
Chloroethane	ND		0.50	0.10	ug/L			10/29/24 23:45	1
Chloroform	**0.20**	**J**	0.50	0.090	ug/L			10/29/24 23:45	1
Chloromethane	ND	^c cn	0.50	0.10	ug/L			10/29/24 23:45	1
cis-1,2-Dichloroethene	**2.5**		0.50	0.080	ug/L			10/29/24 23:45	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			10/29/24 23:45	1
Dibromochloromethane	ND		0.50	0.080	ug/L			10/29/24 23:45	1
Ethylbenzene	ND		0.50	0.080	ug/L			10/29/24 23:45	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			10/29/24 23:45	1
Methylene Chloride	ND		0.50	0.20	ug/L			10/29/24 23:45	1
Styrene	ND		0.50	0.070	ug/L			10/29/24 23:45	1
Toluene	ND		0.50	0.080	ug/L			10/29/24 23:45	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			10/29/24 23:45	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			10/29/24 23:45	1
Trichloroethene	**4.5**		0.50	0.080	ug/L			10/29/24 23:45	1
Vinyl chloride	ND	^c cn	0.50	0.10	ug/L			10/29/24 23:45	1
Xylenes, Total	ND		1.0	0.070	ug/L			10/29/24 23:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*80 - 120*		*10/29/24 23:45*	*1*
4-Bromofluorobenzene (Surr)	*86*		*80 - 120*		*10/29/24 23:45*	*1*
Dibromofluoromethane (Surr)	*109*		*80 - 120*		*10/29/24 23:45*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*10/29/24 23:45*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	**130**		5.0	2.0	ug/L			10/30/24 00:22	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*80 - 120*		*10/30/24 00:22*	*10*

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

Lab Sample ID: 410-193020-8

Date Collected: 10/18/24 09:40
Matrix: Water
Date Received: 10/18/24 13:20

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*80 - 120*		*10/30/24 00:22*	*10*
Dibromofluoromethane (Surr)	*109*		*80 - 120*		*10/30/24 00:22*	*10*
Toluene-d8 (Surr)	*95*		*80 - 120*		*10/30/24 00:22*	*10*

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

Lab Sample ID: 410-193020-9

Date Collected: 10/18/24 10:27
Matrix: Water
Date Received: 10/18/24 13:20

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			10/23/24 16:14	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			10/23/24 16:14	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			10/23/24 16:14	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			10/23/24 16:14	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			10/23/24 16:14	1
1,1-Dichloroethene	**0.15**	**J**	0.50	0.10	ug/L			10/23/24 16:14	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			10/23/24 16:14	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			10/23/24 16:14	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			10/23/24 16:14	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			10/23/24 16:14	1
2-Hexanone	ND		5.0	2.0	ug/L			10/23/24 16:14	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			10/23/24 16:14	1
Acetone	ND		5.0	1.5	ug/L			10/23/24 16:14	1
Benzene	ND		0.50	0.10	ug/L			10/23/24 16:14	1
Bromochloromethane	ND		0.50	0.080	ug/L			10/23/24 16:14	1
Bromodichloromethane	ND		0.50	0.080	ug/L			10/23/24 16:14	1
Bromoform	ND		1.0	0.30	ug/L			10/23/24 16:14	1
Bromomethane	ND		0.50	0.10	ug/L			10/23/24 16:14	1
Carbon disulfide	ND		1.0	0.10	ug/L			10/23/24 16:14	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			10/23/24 16:14	1
Chlorobenzene	ND		0.50	0.070	ug/L			10/23/24 16:14	1
Chloroethane	ND		0.50	0.10	ug/L			10/23/24 16:14	1
Chloroform	**0.84**		0.50	0.090	ug/L			10/23/24 16:14	1
Chloromethane	ND		0.50	0.10	ug/L			10/23/24 16:14	1
cis-1,2-Dichloroethene	**0.098**	**J**	0.50	0.080	ug/L			10/23/24 16:14	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			10/23/24 16:14	1
Dibromochloromethane	ND		0.50	0.080	ug/L			10/23/24 16:14	1
Ethylbenzene	ND		0.50	0.080	ug/L			10/23/24 16:14	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			10/23/24 16:14	1
Methylene Chloride	ND		0.50	0.20	ug/L			10/23/24 16:14	1
Styrene	ND		0.50	0.070	ug/L			10/23/24 16:14	1
Tetrachloroethene	**4.0**		0.50	0.20	ug/L			10/23/24 16:14	1
Toluene	ND		0.50	0.080	ug/L			10/23/24 16:14	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			10/23/24 16:14	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			10/23/24 16:14	1
Trichloroethene	**0.17**	**J**	0.50	0.080	ug/L			10/23/24 16:14	1
Vinyl chloride	ND		0.50	0.10	ug/L			10/23/24 16:14	1
Xylenes, Total	ND		1.0	0.070	ug/L			10/23/24 16:14	1

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

Lab Sample ID: 410-193020-9

Date Collected: 10/18/24 10:27
Matrix: Water
Date Received: 10/18/24 13:20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*80 - 120*		*10/23/24 16:14*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*10/23/24 16:14*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*10/23/24 16:14*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*10/23/24 16:14*	*1*

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

Lab Sample ID: 410-193020-10

Date Collected: 10/18/24 11:00
Matrix: Water
Date Received: 10/18/24 13:20

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	cn	0.50	0.070	ug/L			10/23/24 16:36	1
1,1,1-Trichloroethane	ND	cn	0.50	0.080	ug/L			10/23/24 16:36	1
1,1,2,2-Tetrachloroethane	ND	cn	0.50	0.10	ug/L			10/23/24 16:36	1
1,1,2-Trichloroethane	ND	cn	0.50	0.080	ug/L			10/23/24 16:36	1
1,1-Dichloroethane	ND	cn	0.50	0.10	ug/L			10/23/24 16:36	1
1,1-Dichloroethene	ND	cn	0.50	0.10	ug/L			10/23/24 16:36	1
1,2-Dibromoethane (EDB)	ND	cn	0.50	0.080	ug/L			10/23/24 16:36	1
1,2-Dichloroethane	ND	cn	0.50	0.070	ug/L			10/23/24 16:36	1
1,2-Dichloropropane	ND	cn	0.50	0.10	ug/L			10/23/24 16:36	1
2-Butanone (MEK)	ND	*3 cn	5.0	1.0	ug/L			10/23/24 16:36	1
2-Hexanone	ND	*3 cn	5.0	2.0	ug/L			10/23/24 16:36	1
4-Methyl-2-pentanone (MIBK)	ND	*3 cn	5.0	1.0	ug/L			10/23/24 16:36	1
Acetone	**2.4**	**J *3 cn**	5.0	1.5	ug/L			10/23/24 16:36	1
Benzene	ND	cn	0.50	0.10	ug/L			10/23/24 16:36	1
Bromochloromethane	ND	cn	0.50	0.080	ug/L			10/23/24 16:36	1
Bromodichloromethane	ND	cn	0.50	0.080	ug/L			10/23/24 16:36	1
Bromoform	ND	cn	1.0	0.30	ug/L			10/23/24 16:36	1
Bromomethane	ND	cn	0.50	0.10	ug/L			10/23/24 16:36	1
Carbon disulfide	**0.12**	**J cn**	1.0	0.10	ug/L			10/23/24 16:36	1
Carbon tetrachloride	ND	cn	0.50	0.10	ug/L			10/23/24 16:36	1
Chlorobenzene	ND	cn	0.50	0.070	ug/L			10/23/24 16:36	1
Chloroethane	ND	cn	0.50	0.10	ug/L			10/23/24 16:36	1
Chloroform	**0.27**	**J cn**	0.50	0.090	ug/L			10/23/24 16:36	1
Chloromethane	**0.12**	**J cn**	0.50	0.10	ug/L			10/23/24 16:36	1
cis-1,2-Dichloroethene	**0.15**	**J cn**	0.50	0.080	ug/L			10/23/24 16:36	1
cis-1,3-Dichloropropene	ND	cn	0.50	0.10	ug/L			10/23/24 16:36	1
Dibromochloromethane	ND	cn	0.50	0.080	ug/L			10/23/24 16:36	1
Ethylbenzene	ND	cn	0.50	0.080	ug/L			10/23/24 16:36	1
Methyl tert-butyl ether	ND	cn	0.50	0.080	ug/L			10/23/24 16:36	1
Methylene Chloride	ND	cn	0.50	0.20	ug/L			10/23/24 16:36	1
Styrene	ND	cn	0.50	0.070	ug/L			10/23/24 16:36	1
Tetrachloroethene	**0.23**	**J cn**	0.50	0.20	ug/L			10/23/24 16:36	1
Toluene	ND	cn	0.50	0.080	ug/L			10/23/24 16:36	1
trans-1,2-Dichloroethene	ND	cn	0.50	0.10	ug/L			10/23/24 16:36	1
trans-1,3-Dichloropropene	ND	cn	0.50	0.080	ug/L			10/23/24 16:36	1
Trichloroethene	**0.18**	**J cn**	0.50	0.080	ug/L			10/23/24 16:36	1
Vinyl chloride	ND	cn	0.50	0.10	ug/L			10/23/24 16:36	1
Xylenes, Total	ND	cn	1.0	0.070	ug/L			10/23/24 16:36	1

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

Lab Sample ID: 410-193020-10

Date Collected: 10/18/24 11:00
Matrix: Water
Date Received: 10/18/24 13:20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*	*cn*	*80 - 120*		*10/23/24 16:36*	*1*
4-Bromofluorobenzene (Surr)	*98*	*cn*	*80 - 120*		*10/23/24 16:36*	*1*
Dibromofluoromethane (Surr)	*101*	*cn*	*80 - 120*		*10/23/24 16:36*	*1*
Toluene-d8 (Surr)	*104*	*cn*	*80 - 120*		*10/23/24 16:36*	*1*

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

Lab Sample ID: 410-193020-11

Date Collected: 10/18/24 12:20
Matrix: Water
Date Received: 10/18/24 13:20

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			10/23/24 16:58	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			10/23/24 16:58	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			10/23/24 16:58	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			10/23/24 16:58	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			10/23/24 16:58	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			10/23/24 16:58	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			10/23/24 16:58	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			10/23/24 16:58	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			10/23/24 16:58	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			10/23/24 16:58	1
2-Hexanone	ND		5.0	2.0	ug/L			10/23/24 16:58	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			10/23/24 16:58	1
Acetone	ND		5.0	1.5	ug/L			10/23/24 16:58	1
Benzene	ND		0.50	0.10	ug/L			10/23/24 16:58	1
Bromochloromethane	ND		0.50	0.080	ug/L			10/23/24 16:58	1
Bromodichloromethane	ND		0.50	0.080	ug/L			10/23/24 16:58	1
Bromoform	ND		1.0	0.30	ug/L			10/23/24 16:58	1
Bromomethane	ND		0.50	0.10	ug/L			10/23/24 16:58	1
Carbon disulfide	ND		1.0	0.10	ug/L			10/23/24 16:58	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			10/23/24 16:58	1
Chlorobenzene	ND		0.50	0.070	ug/L			10/23/24 16:58	1
Chloroethane	ND		0.50	0.10	ug/L			10/23/24 16:58	1
Chloroform	**0.12**	**J**	0.50	0.090	ug/L			10/23/24 16:58	1
Chloromethane	**0.11**	**J**	0.50	0.10	ug/L			10/23/24 16:58	1
cis-1,2-Dichloroethene	**0.15**	**J**	0.50	0.080	ug/L			10/23/24 16:58	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			10/23/24 16:58	1
Dibromochloromethane	ND		0.50	0.080	ug/L			10/23/24 16:58	1
Ethylbenzene	ND		0.50	0.080	ug/L			10/23/24 16:58	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			10/23/24 16:58	1
Methylene Chloride	ND		0.50	0.20	ug/L			10/23/24 16:58	1
Styrene	ND		0.50	0.070	ug/L			10/23/24 16:58	1
Tetrachloroethene	**0.30**	**J**	0.50	0.20	ug/L			10/23/24 16:58	1
Toluene	ND		0.50	0.080	ug/L			10/23/24 16:58	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			10/23/24 16:58	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			10/23/24 16:58	1
Trichloroethene	**0.17**	**J**	0.50	0.080	ug/L			10/23/24 16:58	1
Vinyl chloride	ND		0.50	0.10	ug/L			10/23/24 16:58	1
Xylenes, Total	ND		1.0	0.070	ug/L			10/23/24 16:58	1

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

Lab Sample ID: 410-193020-11

Date Collected: 10/18/24 12:20
Matrix: Water
Date Received: 10/18/24 13:20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*80 - 120*		*10/23/24 16:58*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*10/23/24 16:58*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*10/23/24 16:58*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*10/23/24 16:58*	*1*

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

Lab Sample ID: 410-193020-12

Date Collected: 10/18/24 08:40
Matrix: Water
Date Received: 10/18/24 13:20

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			10/23/24 17:20	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			10/23/24 17:20	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			10/23/24 17:20	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			10/23/24 17:20	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			10/23/24 17:20	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			10/23/24 17:20	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			10/23/24 17:20	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			10/23/24 17:20	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			10/23/24 17:20	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			10/23/24 17:20	1
2-Hexanone	ND		5.0	2.0	ug/L			10/23/24 17:20	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			10/23/24 17:20	1
Acetone	ND		5.0	1.5	ug/L			10/23/24 17:20	1
Benzene	ND		0.50	0.10	ug/L			10/23/24 17:20	1
Bromochloromethane	ND		0.50	0.080	ug/L			10/23/24 17:20	1
Bromodichloromethane	ND		0.50	0.080	ug/L			10/23/24 17:20	1
Bromoform	ND		1.0	0.30	ug/L			10/23/24 17:20	1
Bromomethane	ND		0.50	0.10	ug/L			10/23/24 17:20	1
Carbon disulfide	ND		1.0	0.10	ug/L			10/23/24 17:20	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			10/23/24 17:20	1
Chlorobenzene	ND		0.50	0.070	ug/L			10/23/24 17:20	1
Chloroethane	ND		0.50	0.10	ug/L			10/23/24 17:20	1
Chloroform	**0.12**	**J**	0.50	0.090	ug/L			10/23/24 17:20	1
Chloromethane	**0.11**	**J**	0.50	0.10	ug/L			10/23/24 17:20	1
cis-1,2-Dichloroethene	**0.20**	**J**	0.50	0.080	ug/L			10/23/24 17:20	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			10/23/24 17:20	1
Dibromochloromethane	ND		0.50	0.080	ug/L			10/23/24 17:20	1
Ethylbenzene	ND		0.50	0.080	ug/L			10/23/24 17:20	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			10/23/24 17:20	1
Methylene Chloride	ND		0.50	0.20	ug/L			10/23/24 17:20	1
Styrene	ND		0.50	0.070	ug/L			10/23/24 17:20	1
Tetrachloroethene	**0.71**		0.50	0.20	ug/L			10/23/24 17:20	1
Toluene	ND		0.50	0.080	ug/L			10/23/24 17:20	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			10/23/24 17:20	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			10/23/24 17:20	1
Trichloroethene	**0.27**	**J**	0.50	0.080	ug/L			10/23/24 17:20	1
Vinyl chloride	ND		0.50	0.10	ug/L			10/23/24 17:20	1
Xylenes, Total	ND		1.0	0.070	ug/L			10/23/24 17:20	1

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

Lab Sample ID: 410-193020-12

Date Collected: 10/18/24 08:40

Matrix: Water

Date Received: 10/18/24 13:20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*92*		*80 - 120*		*10/23/24 17:20*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*10/23/24 17:20*	*1*
Dibromofluoromethane (Surr)	*98*		*80 - 120*		*10/23/24 17:20*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*10/23/24 17:20*	*1*

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

Lab Sample ID: 410-193020-13

Date Collected: 10/18/24 12:00

Matrix: Water

Date Received: 10/18/24 13:20

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			10/23/24 12:11	1
1,1,1-Trichloroethane	**9.7**		0.50	0.080	ug/L			10/23/24 12:11	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			10/23/24 12:11	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			10/23/24 12:11	1
1,1-Dichloroethane	**1.6**		0.50	0.10	ug/L			10/23/24 12:11	1
1,1-Dichloroethene	**0.71**		0.50	0.10	ug/L			10/23/24 12:11	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			10/23/24 12:11	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			10/23/24 12:11	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			10/23/24 12:11	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			10/23/24 12:11	1
2-Hexanone	ND		5.0	2.0	ug/L			10/23/24 12:11	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			10/23/24 12:11	1
Acetone	ND		5.0	1.5	ug/L			10/23/24 12:11	1
Benzene	ND		0.50	0.10	ug/L			10/23/24 12:11	1
Bromochloromethane	ND		0.50	0.080	ug/L			10/23/24 12:11	1
Bromodichloromethane	ND		0.50	0.080	ug/L			10/23/24 12:11	1
Bromoform	ND		1.0	0.30	ug/L			10/23/24 12:11	1
Bromomethane	ND		0.50	0.10	ug/L			10/23/24 12:11	1
Carbon disulfide	ND		1.0	0.10	ug/L			10/23/24 12:11	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			10/23/24 12:11	1
Chlorobenzene	ND		0.50	0.070	ug/L			10/23/24 12:11	1
Chloroethane	ND		0.50	0.10	ug/L			10/23/24 12:11	1
Chloroform	**0.18**	**J**	0.50	0.090	ug/L			10/23/24 12:11	1
Chloromethane	ND		0.50	0.10	ug/L			10/23/24 12:11	1
cis-1,2-Dichloroethene	**2.2**		0.50	0.080	ug/L			10/23/24 12:11	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			10/23/24 12:11	1
Dibromochloromethane	ND		0.50	0.080	ug/L			10/23/24 12:11	1
Ethylbenzene	ND		0.50	0.080	ug/L			10/23/24 12:11	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			10/23/24 12:11	1
Methylene Chloride	ND		0.50	0.20	ug/L			10/23/24 12:11	1
Styrene	ND		0.50	0.070	ug/L			10/23/24 12:11	1
Toluene	ND		0.50	0.080	ug/L			10/23/24 12:11	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			10/23/24 12:11	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			10/23/24 12:11	1
Trichloroethene	**4.4**		0.50	0.080	ug/L			10/23/24 12:11	1
Vinyl chloride	ND		0.50	0.10	ug/L			10/23/24 12:11	1
Xylenes, Total	ND		1.0	0.070	ug/L			10/23/24 12:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*96*		*80 - 120*		*10/23/24 12:11*	*1*

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

Date Collected: 10/18/24 12:00
Date Received: 10/18/24 13:20

Lab Sample ID: 410-193020-13

Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*10/23/24 12:11*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*10/23/24 12:11*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*10/23/24 12:11*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	**140**		5.0	2.0	ug/L			10/29/24 23:23	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*80 - 120*		*10/29/24 23:23*	*10*
4-Bromofluorobenzene (Surr)	*87*		*80 - 120*		*10/29/24 23:23*	*10*
Dibromofluoromethane (Surr)	*110*		*80 - 120*		*10/29/24 23:23*	*10*
Toluene-d8 (Surr)	*94*		*80 - 120*		*10/29/24 23:23*	*10*

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

Date Collected: 10/18/24 00:00
Date Received: 10/18/24 13:20

Lab Sample ID: 410-193020-14

Matrix: Water

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			10/23/24 11:49	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			10/23/24 11:49	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			10/23/24 11:49	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			10/23/24 11:49	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			10/23/24 11:49	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			10/23/24 11:49	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			10/23/24 11:49	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			10/23/24 11:49	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			10/23/24 11:49	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			10/23/24 11:49	1
2-Hexanone	ND		5.0	2.0	ug/L			10/23/24 11:49	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			10/23/24 11:49	1
Acetone	ND		5.0	1.5	ug/L			10/23/24 11:49	1
Benzene	ND		0.50	0.10	ug/L			10/23/24 11:49	1
Bromochloromethane	ND		0.50	0.080	ug/L			10/23/24 11:49	1
Bromodichloromethane	ND		0.50	0.080	ug/L			10/23/24 11:49	1
Bromoform	ND		1.0	0.30	ug/L			10/23/24 11:49	1
Bromomethane	ND		0.50	0.10	ug/L			10/23/24 11:49	1
Carbon disulfide	ND		1.0	0.10	ug/L			10/23/24 11:49	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			10/23/24 11:49	1
Chlorobenzene	ND		0.50	0.070	ug/L			10/23/24 11:49	1
Chloroethane	ND		0.50	0.10	ug/L			10/23/24 11:49	1
Chloroform	ND		0.50	0.090	ug/L			10/23/24 11:49	1
Chloromethane	ND		0.50	0.10	ug/L			10/23/24 11:49	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			10/23/24 11:49	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			10/23/24 11:49	1
Dibromochloromethane	ND		0.50	0.080	ug/L			10/23/24 11:49	1
Ethylbenzene	ND		0.50	0.080	ug/L			10/23/24 11:49	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			10/23/24 11:49	1
Methylene Chloride	ND		0.50	0.20	ug/L			10/23/24 11:49	1

Client Sample ID: HD-QC1-0/1-2
Lab Sample ID: 410-193020-14

Date Collected: 10/18/24 00:00
Matrix: Water
Date Received: 10/18/24 13:20

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			10/23/24 11:49	1
Tetrachloroethene	ND		0.50	0.20	ug/L			10/23/24 11:49	1
Toluene	ND		0.50	0.080	ug/L			10/23/24 11:49	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			10/23/24 11:49	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			10/23/24 11:49	1
Trichloroethene	ND		0.50	0.080	ug/L			10/23/24 11:49	1
Vinyl chloride	ND		0.50	0.10	ug/L			10/23/24 11:49	1
Xylenes, Total	ND		1.0	0.070	ug/L			10/23/24 11:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*80 - 120*		*10/23/24 11:49*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*10/23/24 11:49*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 120*		*10/23/24 11:49*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*10/23/24 11:49*	*1*

Default Detection Limits

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

Job ID: 410-193020-1

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: 410-193020-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(80-120)	(80-120)	(80-120)	(80-120)
410-193020-1	HD-COD-SW-6-0/1-0	96	99	100	101
410-193020-2	HD-COD-SW-7-0/1-0	97	98	102	105
410-193020-3	HD-COD-SW-8-0/1-0	96	98	100	107
410-193020-4	HD-COD-SW-9-0/1-0	96	99	101	106
410-193020-5	HD-COD-SW-13-0/1-0	99	99	104	105
410-193020-6	HD-COD-SW-15-0/1-0	98	99	101	104
410-193020-6 MS	HD-COD-SW-15-0/1-0 MS	102	100	103	97
410-193020-6 MSD	HD-COD-SW-15-0/1-0 MSD	101	98	104	97
410-193020-7	HD-COD-SW-16-0/1-0	92 cn	98 cn	101 cn	104 cn
410-193020-8 - DL	HD-COD-SW-17-0/1-0	107	89	109	95
410-193020-8	HD-COD-SW-17-0/1-0	106	86	109	93
410-193020-9	HD-COD-SW-26-0/1-0	95	99	100	103
410-193020-10	HD-COD-SW-27-0/1-0	93 cn	98 cn	101 cn	104 cn
410-193020-11	HD-COD-SW-28-0/1-0	94	100	100	103
410-193020-12	HD-COD-SW-29-0/1-0	92	97	98	104
410-193020-13	HD-QC1-0/1-1	96	102	102	106
410-193020-13 - DL	HD-QC1-0/1-1	110	87	110	94
410-193020-14	HD-QC1-0/1-2	97	101	101	105
LCS 410-566703/4	Lab Control Sample	97	102	102	104
LCS 410-569172/4	Lab Control Sample	102	93	106	98
LCS 410-569353/5	Lab Control Sample	100	99	102	98
LCSD 410-566703/5	Lab Control Sample Dup	100	102	102	105
LCSD 410-569353/6	Lab Control Sample Dup	102	100	103	98
MB 410-566703/7	Method Blank	97	99	102	106
MB 410-569172/6	Method Blank	109	87	109	95
MB 410-569353/10	Method Blank	100	99	103	97

Surrogate Legend

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

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

Lab Sample ID: MB 410-566703/7
Matrix: Water
Analysis Batch: 566703

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			10/23/24 11:27	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			10/23/24 11:27	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			10/23/24 11:27	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			10/23/24 11:27	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			10/23/24 11:27	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			10/23/24 11:27	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			10/23/24 11:27	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			10/23/24 11:27	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			10/23/24 11:27	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			10/23/24 11:27	1
2-Hexanone	ND		5.0	2.0	ug/L			10/23/24 11:27	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			10/23/24 11:27	1
Acetone	ND		5.0	1.5	ug/L			10/23/24 11:27	1
Benzene	ND		0.50	0.10	ug/L			10/23/24 11:27	1
Bromochloromethane	ND		0.50	0.080	ug/L			10/23/24 11:27	1
Bromodichloromethane	ND		0.50	0.080	ug/L			10/23/24 11:27	1
Bromoform	ND		1.0	0.30	ug/L			10/23/24 11:27	1
Bromomethane	ND		0.50	0.10	ug/L			10/23/24 11:27	1
Carbon disulfide	ND		1.0	0.10	ug/L			10/23/24 11:27	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			10/23/24 11:27	1
Chlorobenzene	ND		0.50	0.070	ug/L			10/23/24 11:27	1
Chloroethane	ND		0.50	0.10	ug/L			10/23/24 11:27	1
Chloroform	ND		0.50	0.090	ug/L			10/23/24 11:27	1
Chloromethane	ND		0.50	0.10	ug/L			10/23/24 11:27	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			10/23/24 11:27	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			10/23/24 11:27	1
Dibromochloromethane	ND		0.50	0.080	ug/L			10/23/24 11:27	1
Ethylbenzene	ND		0.50	0.080	ug/L			10/23/24 11:27	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			10/23/24 11:27	1
Methylene Chloride	ND		0.50	0.20	ug/L			10/23/24 11:27	1
Styrene	ND		0.50	0.070	ug/L			10/23/24 11:27	1
Tetrachloroethene	ND		0.50	0.20	ug/L			10/23/24 11:27	1
Toluene	ND		0.50	0.080	ug/L			10/23/24 11:27	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			10/23/24 11:27	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			10/23/24 11:27	1
Trichloroethene	ND		0.50	0.080	ug/L			10/23/24 11:27	1
Vinyl chloride	ND		0.50	0.10	ug/L			10/23/24 11:27	1
Xylenes, Total	ND		1.0	0.070	ug/L			10/23/24 11:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*80 - 120*		*10/23/24 11:27*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*10/23/24 11:27*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*10/23/24 11:27*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*10/23/24 11:27*	*1*

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

Lab Sample ID: LCS 410-566703/4
Matrix: Water
Analysis Batch: 566703

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	5.38		ug/L		108	80 - 122
1,1,1-Trichloroethane	5.00	5.82		ug/L		116	78 - 126
1,1,2,2-Tetrachloroethane	5.00	5.81		ug/L		116	75 - 123
1,1,2-Trichloroethane	5.00	5.45		ug/L		109	80 - 120
1,1-Dichloroethane	5.00	5.90		ug/L		118	74 - 120
1,1-Dichloroethene	5.00	5.31		ug/L		106	80 - 131
1,2-Dibromoethane (EDB)	5.00	5.43		ug/L		109	80 - 120
1,2-Dichloroethane	5.00	5.93		ug/L		119	69 - 122
1,2-Dichloropropane	5.00	5.69		ug/L		114	80 - 120
2-Butanone (MEK)	62.5	62.4		ug/L		100	59 - 141
2-Hexanone	62.5	65.4		ug/L		105	52 - 140
4-Methyl-2-pentanone (MIBK)	62.5	62.9		ug/L		101	55 - 140
Acetone	62.5	56.5		ug/L		90	60 - 146
Benzene	5.00	5.38		ug/L		108	80 - 120
Bromochloromethane	5.00	5.29		ug/L		106	80 - 133
Bromodichloromethane	5.00	5.79		ug/L		116	80 - 123
Bromoform	5.00	5.36		ug/L		107	75 - 126
Bromomethane	5.00	5.79		ug/L		116	63 - 120
Carbon disulfide	5.00	5.12		ug/L		102	67 - 130
Carbon tetrachloride	5.00	5.65		ug/L		113	64 - 141
Chlorobenzene	5.00	5.35		ug/L		107	80 - 120
Chloroethane	5.00	6.02		ug/L		120	63 - 120
Chloroform	5.00	5.67		ug/L		113	80 - 120
Chloromethane	5.00	5.96		ug/L		119	56 - 124
cis-1,2-Dichloroethene	5.00	5.37		ug/L		107	80 - 122
cis-1,3-Dichloropropene	5.00	5.15		ug/L		103	67 - 121
Dibromochloromethane	5.00	5.53		ug/L		111	80 - 123
Ethylbenzene	5.00	5.55		ug/L		111	80 - 120
Methyl tert-butyl ether	5.00	5.05		ug/L		101	69 - 120
Methylene Chloride	5.00	5.25		ug/L		105	80 - 120
Styrene	5.00	5.44		ug/L		109	80 - 120
Tetrachloroethene	5.00	5.05		ug/L		101	80 - 120
Toluene	5.00	5.30		ug/L		106	80 - 120
trans-1,2-Dichloroethene	5.00	5.30		ug/L		106	80 - 122
trans-1,3-Dichloropropene	5.00	5.62		ug/L		112	61 - 129
Trichloroethene	5.00	5.39		ug/L		108	80 - 120
Vinyl chloride	5.00	5.89		ug/L		118	60 - 125
Xylenes, Total	15.0	16.3		ug/L		109	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*80 - 120*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*
Dibromofluoromethane (Surr)	*102*		*80 - 120*
Toluene-d8 (Surr)	*104*		*80 - 120*

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

Lab Sample ID: LCSD 410-566703/5
Matrix: Water
Analysis Batch: 566703

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	5.07		ug/L		101	80 - 122	6	30
1,1,1-Trichloroethane			5.00	5.41		ug/L		108	78 - 126	7	30
1,1,2,2-Tetrachloroethane			5.00	5.28		ug/L		106	75 - 123	9	30
1,1,2-Trichloroethane			5.00	5.01		ug/L		100	80 - 120	8	30
1,1-Dichloroethane			5.00	5.46		ug/L		109	74 - 120	8	30
1,1-Dichloroethene			5.00	5.07		ug/L		101	80 - 131	5	30
1,2-Dibromoethane (EDB)			5.00	5.12		ug/L		102	80 - 120	6	30
1,2-Dichloroethane			5.00	5.22		ug/L		104	69 - 122	13	30
1,2-Dichloropropane			5.00	5.32		ug/L		106	80 - 120	7	30
2-Butanone (MEK)			62.5	59.2		ug/L		95	59 - 141	5	30
2-Hexanone			62.5	62.1		ug/L		99	52 - 140	5	30
4-Methyl-2-pentanone (MIBK)			62.5	59.7		ug/L		96	55 - 140	5	30
Acetone			62.5	53.5		ug/L		86	60 - 146	5	30
Benzene			5.00	5.04		ug/L		101	80 - 120	7	30
Bromochloromethane			5.00	4.95		ug/L		99	80 - 133	7	30
Bromodichloromethane			5.00	5.32		ug/L		106	80 - 123	9	30
Bromoform			5.00	4.99		ug/L		100	75 - 126	7	30
Bromomethane			5.00	5.33		ug/L		107	63 - 120	8	30
Carbon disulfide			5.00	4.80		ug/L		96	67 - 130	7	30
Carbon tetrachloride			5.00	5.24		ug/L		105	64 - 141	8	30
Chlorobenzene			5.00	5.00		ug/L		100	80 - 120	7	30
Chloroethane			5.00	5.52		ug/L		110	63 - 120	9	30
Chloroform			5.00	5.30		ug/L		106	80 - 120	7	30
Chloromethane			5.00	5.24		ug/L		105	56 - 124	13	30
cis-1,2-Dichloroethene			5.00	4.96		ug/L		99	80 - 122	8	30
cis-1,3-Dichloropropene			5.00	4.89		ug/L		98	67 - 121	5	30
Dibromochloromethane			5.00	5.15		ug/L		103	80 - 123	7	30
Ethylbenzene			5.00	5.19		ug/L		104	80 - 120	7	30
Methyl tert-butyl ether			5.00	4.80		ug/L		96	69 - 120	5	30
Methylene Chloride			5.00	4.96		ug/L		99	80 - 120	6	30
Styrene			5.00	5.05		ug/L		101	80 - 120	7	30
Tetrachloroethene			5.00	4.68		ug/L		94	80 - 120	8	30
Toluene			5.00	4.97		ug/L		99	80 - 120	6	30
trans-1,2-Dichloroethene			5.00	5.01		ug/L		100	80 - 122	6	30
trans-1,3-Dichloropropene			5.00	5.12		ug/L		102	61 - 129	9	30
Trichloroethene			5.00	5.02		ug/L		100	80 - 120	7	30
Vinyl chloride			5.00	5.66		ug/L		113	60 - 125	4	30
Xylenes, Total			15.0	15.0		ug/L		100	80 - 120	9	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*
Dibromofluoromethane (Surr)	*102*		*80 - 120*
Toluene-d8 (Surr)	*105*		*80 - 120*

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

Lab Sample ID: MB 410-569172/6
Matrix: Water
Analysis Batch: 569172

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			10/29/24 22:38	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			10/29/24 22:38	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			10/29/24 22:38	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			10/29/24 22:38	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			10/29/24 22:38	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			10/29/24 22:38	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			10/29/24 22:38	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			10/29/24 22:38	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			10/29/24 22:38	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			10/29/24 22:38	1
2-Hexanone	ND		5.0	2.0	ug/L			10/29/24 22:38	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			10/29/24 22:38	1
Acetone	ND		5.0	1.5	ug/L			10/29/24 22:38	1
Benzene	ND		0.50	0.10	ug/L			10/29/24 22:38	1
Bromochloromethane	ND		0.50	0.080	ug/L			10/29/24 22:38	1
Bromodichloromethane	ND		0.50	0.080	ug/L			10/29/24 22:38	1
Bromoform	ND		1.0	0.30	ug/L			10/29/24 22:38	1
Bromomethane	ND		0.50	0.10	ug/L			10/29/24 22:38	1
Carbon disulfide	ND		1.0	0.10	ug/L			10/29/24 22:38	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			10/29/24 22:38	1
Chlorobenzene	ND		0.50	0.070	ug/L			10/29/24 22:38	1
Chloroethane	ND		0.50	0.10	ug/L			10/29/24 22:38	1
Chloroform	ND		0.50	0.090	ug/L			10/29/24 22:38	1
Chloromethane	ND		0.50	0.10	ug/L			10/29/24 22:38	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			10/29/24 22:38	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			10/29/24 22:38	1
Dibromochloromethane	ND		0.50	0.080	ug/L			10/29/24 22:38	1
Ethylbenzene	ND		0.50	0.080	ug/L			10/29/24 22:38	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			10/29/24 22:38	1
Methylene Chloride	ND		0.50	0.20	ug/L			10/29/24 22:38	1
Styrene	ND		0.50	0.070	ug/L			10/29/24 22:38	1
Tetrachloroethene	ND		0.50	0.20	ug/L			10/29/24 22:38	1
Toluene	ND		0.50	0.080	ug/L			10/29/24 22:38	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			10/29/24 22:38	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			10/29/24 22:38	1
Trichloroethene	ND		0.50	0.080	ug/L			10/29/24 22:38	1
Vinyl chloride	ND		0.50	0.10	ug/L			10/29/24 22:38	1
Xylenes, Total	ND		1.0	0.070	ug/L			10/29/24 22:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*80 - 120*		*10/29/24 22:38*	*1*
4-Bromofluorobenzene (Surr)	*87*		*80 - 120*		*10/29/24 22:38*	*1*
Dibromofluoromethane (Surr)	*109*		*80 - 120*		*10/29/24 22:38*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*10/29/24 22:38*	*1*

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

Lab Sample ID: LCS 410-569172/4
Matrix: Water
Analysis Batch: 569172

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	5.26		ug/L		105	80 - 122
1,1,1-Trichloroethane	5.00	5.42		ug/L		108	78 - 126
1,1,2,2-Tetrachloroethane	5.00	4.49		ug/L		90	75 - 123
1,1,2-Trichloroethane	5.00	4.95		ug/L		99	80 - 120
1,1-Dichloroethane	5.00	4.75		ug/L		95	74 - 120
1,1-Dichloroethene	5.00	5.46		ug/L		109	80 - 131
1,2-Dibromoethane (EDB)	5.00	4.92		ug/L		98	80 - 120
1,2-Dichloroethane	5.00	5.49		ug/L		110	69 - 122
1,2-Dichloropropane	5.00	4.57		ug/L		91	80 - 120
2-Butanone (MEK)	62.5	60.1		ug/L		96	59 - 141
2-Hexanone	62.5	62.9		ug/L		101	52 - 140
4-Methyl-2-pentanone (MIBK)	62.5	62.3		ug/L		100	55 - 140
Acetone	62.5	61.9		ug/L		99	60 - 146
Benzene	5.00	4.78		ug/L		96	80 - 120
Bromochloromethane	5.00	5.60		ug/L		112	80 - 133
Bromodichloromethane	5.00	5.20		ug/L		104	80 - 123
Bromoform	5.00	4.87		ug/L		97	75 - 126
Bromomethane	5.00	4.52		ug/L		90	63 - 120
Carbon disulfide	5.00	4.59		ug/L		92	67 - 130
Carbon tetrachloride	5.00	5.50		ug/L		110	64 - 141
Chlorobenzene	5.00	5.09		ug/L		102	80 - 120
Chloroethane	5.00	3.94		ug/L		79	63 - 120
Chloroform	5.00	4.90		ug/L		98	80 - 120
Chloromethane	5.00	3.63		ug/L		73	56 - 124
cis-1,2-Dichloroethene	5.00	4.98		ug/L		100	80 - 122
cis-1,3-Dichloropropene	5.00	4.52		ug/L		90	67 - 121
Dibromochloromethane	5.00	5.04		ug/L		101	80 - 123
Ethylbenzene	5.00	4.75		ug/L		95	80 - 120
Methyl tert-butyl ether	5.00	4.52		ug/L		90	69 - 120
Methylene Chloride	5.00	4.69		ug/L		94	80 - 120
Styrene	5.00	4.98		ug/L		100	80 - 120
Tetrachloroethene	5.00	5.19		ug/L		104	80 - 120
Toluene	5.00	4.83		ug/L		97	80 - 120
trans-1,2-Dichloroethene	5.00	5.10		ug/L		102	80 - 122
trans-1,3-Dichloropropene	5.00	4.60		ug/L		92	61 - 129
Trichloroethene	5.00	4.91		ug/L		98	80 - 120
Vinyl chloride	5.00	3.76		ug/L		75	60 - 125
Xylenes, Total	15.0	14.9		ug/L		99	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*
Dibromofluoromethane (Surr)	*106*		*80 - 120*
Toluene-d8 (Surr)	*98*		*80 - 120*

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

Lab Sample ID: MB 410-569353/10
Matrix: Water
Analysis Batch: 569353

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			10/30/24 11:23	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			10/30/24 11:23	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			10/30/24 11:23	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			10/30/24 11:23	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			10/30/24 11:23	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			10/30/24 11:23	1
1,2-Dibromoethane (EDB)	ND		0.50	0.080	ug/L			10/30/24 11:23	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			10/30/24 11:23	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			10/30/24 11:23	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			10/30/24 11:23	1
2-Hexanone	ND		5.0	2.0	ug/L			10/30/24 11:23	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			10/30/24 11:23	1
Acetone	ND		5.0	1.5	ug/L			10/30/24 11:23	1
Benzene	ND		0.50	0.10	ug/L			10/30/24 11:23	1
Bromochloromethane	ND		0.50	0.080	ug/L			10/30/24 11:23	1
Bromodichloromethane	ND		0.50	0.080	ug/L			10/30/24 11:23	1
Bromoform	ND		1.0	0.30	ug/L			10/30/24 11:23	1
Bromomethane	ND		0.50	0.10	ug/L			10/30/24 11:23	1
Carbon disulfide	ND		1.0	0.10	ug/L			10/30/24 11:23	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			10/30/24 11:23	1
Chlorobenzene	ND		0.50	0.070	ug/L			10/30/24 11:23	1
Chloroethane	ND		0.50	0.10	ug/L			10/30/24 11:23	1
Chloroform	ND		0.50	0.090	ug/L			10/30/24 11:23	1
Chloromethane	ND		0.50	0.10	ug/L			10/30/24 11:23	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			10/30/24 11:23	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			10/30/24 11:23	1
Dibromochloromethane	ND		0.50	0.080	ug/L			10/30/24 11:23	1
Ethylbenzene	ND		0.50	0.080	ug/L			10/30/24 11:23	1
Methyl tert-butyl ether	ND		0.50	0.080	ug/L			10/30/24 11:23	1
Methylene Chloride	ND		0.50	0.20	ug/L			10/30/24 11:23	1
Styrene	ND		0.50	0.070	ug/L			10/30/24 11:23	1
Tetrachloroethene	ND		0.50	0.20	ug/L			10/30/24 11:23	1
Toluene	ND		0.50	0.080	ug/L			10/30/24 11:23	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			10/30/24 11:23	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			10/30/24 11:23	1
Trichloroethene	ND		0.50	0.080	ug/L			10/30/24 11:23	1
Vinyl chloride	ND		0.50	0.10	ug/L			10/30/24 11:23	1
Xylenes, Total	ND		1.0	0.070	ug/L			10/30/24 11:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*		*10/30/24 11:23*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*10/30/24 11:23*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*10/30/24 11:23*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*10/30/24 11:23*	*1*

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

Lab Sample ID: LCS 410-569353/5
Matrix: Water
Analysis Batch: 569353

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	5.57		ug/L		111	80 - 122
1,1,1-Trichloroethane	5.00	6.08		ug/L		122	78 - 126
1,1,2,2-Tetrachloroethane	5.00	4.89		ug/L		98	75 - 123
1,1,2-Trichloroethane	5.00	5.12		ug/L		102	80 - 120
1,1-Dichloroethane	5.00	5.85		ug/L		117	74 - 120
1,1-Dichloroethene	5.00	6.36		ug/L		127	80 - 131
1,2-Dibromoethane (EDB)	5.00	5.26		ug/L		105	80 - 120
1,2-Dichloroethane	5.00	5.61		ug/L		112	69 - 122
1,2-Dichloropropane	5.00	5.68		ug/L		114	80 - 120
2-Butanone (MEK)	62.5	67.9		ug/L		109	59 - 141
2-Hexanone	62.5	67.1		ug/L		107	52 - 140
4-Methyl-2-pentanone (MIBK)	62.5	63.6		ug/L		102	55 - 140
Acetone	62.5	62.7		ug/L		100	60 - 146
Benzene	5.00	5.64		ug/L		113	80 - 120
Bromochloromethane	5.00	5.69		ug/L		114	80 - 133
Bromodichloromethane	5.00	5.74		ug/L		115	80 - 123
Bromoform	5.00	5.96		ug/L		119	75 - 126
Bromomethane	5.00	5.49		ug/L		110	63 - 120
Carbon disulfide	5.00	5.54		ug/L		111	67 - 130
Carbon tetrachloride	5.00	6.45		ug/L		129	64 - 141
Chlorobenzene	5.00	5.60		ug/L		112	80 - 120
Chloroethane	5.00	5.56		ug/L		111	63 - 120
Chloroform	5.00	5.82		ug/L		116	80 - 120
Chloromethane	5.00	5.15		ug/L		103	56 - 124
cis-1,2-Dichloroethene	5.00	5.64		ug/L		113	80 - 122
cis-1,3-Dichloropropene	5.00	5.41		ug/L		108	67 - 121
Dibromochloromethane	5.00	5.67		ug/L		113	80 - 123
Ethylbenzene	5.00	5.53		ug/L		111	80 - 120
Methyl tert-butyl ether	5.00	5.06		ug/L		101	69 - 120
Methylene Chloride	5.00	5.62		ug/L		112	80 - 120
Styrene	5.00	5.45		ug/L		109	80 - 120
Tetrachloroethene	5.00	5.78		ug/L		116	80 - 120
Toluene	5.00	5.57		ug/L		111	80 - 120
trans-1,2-Dichloroethene	5.00	6.01		ug/L		120	80 - 122
trans-1,3-Dichloropropene	5.00	5.31		ug/L		106	61 - 129
Trichloroethene	5.00	5.80		ug/L		116	80 - 120
Vinyl chloride	5.00	5.26		ug/L		105	60 - 125
Xylenes, Total	15.0	16.7		ug/L		112	80 - 120

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

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

Lab Sample ID: LCSD 410-569353/6
Matrix: Water
Analysis Batch: 569353

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	5.36		ug/L		107	80 - 122	4	30
1,1,1-Trichloroethane			5.00	5.84		ug/L		117	78 - 126	4	30
1,1,2,2-Tetrachloroethane			5.00	4.71		ug/L		94	75 - 123	4	30
1,1,2-Trichloroethane			5.00	5.02		ug/L		100	80 - 120	2	30
1,1-Dichloroethane			5.00	5.73		ug/L		115	74 - 120	2	30
1,1-Dichloroethene			5.00	6.06		ug/L		121	80 - 131	5	30
1,2-Dibromoethane (EDB)			5.00	5.07		ug/L		101	80 - 120	4	30
1,2-Dichloroethane			5.00	5.60		ug/L		112	69 - 122	0	30
1,2-Dichloropropane			5.00	5.43		ug/L		109	80 - 120	5	30
2-Butanone (MEK)			62.5	61.5		ug/L		98	59 - 141	10	30
2-Hexanone			62.5	61.9		ug/L		99	52 - 140	8	30
4-Methyl-2-pentanone (MIBK)			62.5	58.7		ug/L		94	55 - 140	8	30
Acetone			62.5	57.6		ug/L		92	60 - 146	8	30
Benzene			5.00	5.39		ug/L		108	80 - 120	5	30
Bromochloromethane			5.00	5.46		ug/L		109	80 - 133	4	30
Bromodichloromethane			5.00	5.50		ug/L		110	80 - 123	4	30
Bromoform			5.00	5.91		ug/L		118	75 - 126	1	30
Bromomethane			5.00	5.47		ug/L		109	63 - 120	1	30
Carbon disulfide			5.00	5.32		ug/L		106	67 - 130	4	30
Carbon tetrachloride			5.00	6.19		ug/L		124	64 - 141	4	30
Chlorobenzene			5.00	5.34		ug/L		107	80 - 120	5	30
Chloroethane			5.00	5.40		ug/L		108	63 - 120	3	30
Chloroform			5.00	5.62		ug/L		112	80 - 120	3	30
Chloromethane			5.00	4.95		ug/L		99	56 - 124	4	30
cis-1,2-Dichloroethene			5.00	5.51		ug/L		110	80 - 122	2	30
cis-1,3-Dichloropropene			5.00	5.24		ug/L		105	67 - 121	3	30
Dibromochloromethane			5.00	5.52		ug/L		110	80 - 123	3	30
Ethylbenzene			5.00	5.24		ug/L		105	80 - 120	5	30
Methyl tert-butyl ether			5.00	5.01		ug/L		100	69 - 120	1	30
Methylene Chloride			5.00	5.45		ug/L		109	80 - 120	3	30
Styrene			5.00	5.14		ug/L		103	80 - 120	6	30
Tetrachloroethene			5.00	5.43		ug/L		109	80 - 120	6	30
Toluene			5.00	5.19		ug/L		104	80 - 120	7	30
trans-1,2-Dichloroethene			5.00	5.73		ug/L		115	80 - 122	5	30
trans-1,3-Dichloropropene			5.00	5.02		ug/L		100	61 - 129	6	30
Trichloroethene			5.00	5.46		ug/L		109	80 - 120	6	30
Vinyl chloride			5.00	5.25		ug/L		105	60 - 125	0	30
Xylenes, Total			15.0	15.9		ug/L		106	80 - 120	5	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*
Dibromofluoromethane (Surr)	*103*		*80 - 120*
Toluene-d8 (Surr)	*98*		*80 - 120*

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

Lab Sample ID: 410-193020-6 MS
Matrix: Water
Analysis Batch: 569353

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	5.72		ug/L		114	80 - 122
1,1,1-Trichloroethane	0.21	J	5.00	6.82	FH	ug/L		132	78 - 126
1,1,2,2-Tetrachloroethane	ND		5.00	4.98		ug/L		100	75 - 123
1,1,2-Trichloroethane	ND		5.00	5.12		ug/L		102	80 - 120
1,1-Dichloroethane	ND		5.00	6.37	FH	ug/L		127	74 - 120
1,1-Dichloroethene	0.11	J	5.00	7.08	FH	ug/L		139	80 - 131
1,2-Dibromoethane (EDB)	ND		5.00	5.28		ug/L		106	80 - 120
1,2-Dichloroethane	ND		5.00	5.62		ug/L		112	69 - 122
1,2-Dichloropropane	ND		5.00	5.82		ug/L		116	80 - 120
2-Butanone (MEK)	ND		62.6	62.9		ug/L		101	59 - 141
2-Hexanone	ND		62.6	62.2		ug/L		99	52 - 140
4-Methyl-2-pentanone (MIBK)	ND		62.6	59.5		ug/L		95	55 - 140
Acetone	ND		62.6	59.0		ug/L		94	60 - 146
Benzene	ND		5.00	5.92		ug/L		118	80 - 120
Bromochloromethane	ND		5.00	5.51		ug/L		110	80 - 133
Bromodichloromethane	ND		5.00	5.84		ug/L		117	80 - 123
Bromoform	ND		5.00	5.75		ug/L		115	75 - 126
Bromomethane	ND		5.00	6.06	FH	ug/L		121	63 - 120
Carbon disulfide	ND		5.00	6.15		ug/L		123	67 - 130
Carbon tetrachloride	ND		5.00	7.12	FH	ug/L		142	64 - 141
Chlorobenzene	ND		5.00	5.79		ug/L		116	80 - 120
Chloroethane	ND		5.00	6.07	FH	ug/L		121	63 - 120
Chloroform	0.18	J	5.00	6.32	FH	ug/L		123	80 - 120
Chloromethane	ND		5.00	5.75		ug/L		115	80 - 120
cis-1,2-Dichloroethene	0.76		5.00	6.78		ug/L		120	80 - 122
cis-1,3-Dichloropropene	ND		5.00	5.45		ug/L		109	67 - 121
Dibromochloromethane	ND		5.00	5.54		ug/L		111	80 - 123
Ethylbenzene	ND		5.00	5.75		ug/L		115	80 - 120
Methyl tert-butyl ether	ND		5.00	5.16		ug/L		103	69 - 120
Methylene Chloride	ND		5.00	5.76		ug/L		115	80 - 120
Styrene	ND		5.00	5.49		ug/L		110	80 - 120
Tetrachloroethene	4.1		5.00	11.2	FH	ug/L		141	80 - 120
Toluene	ND		5.00	5.72		ug/L		114	80 - 120
trans-1,2-Dichloroethene	ND		5.00	6.40	FH	ug/L		128	80 - 122
trans-1,3-Dichloropropene	ND		5.00	5.30		ug/L		106	61 - 129
Trichloroethene	0.85		5.00	7.14	FH	ug/L		126	80 - 120
Vinyl chloride	ND		5.00	6.19		ug/L		124	60 - 125
Xylenes, Total	ND		15.0	17.2		ug/L		114	80 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*
Dibromofluoromethane (Surr)	*103*		*80 - 120*
Toluene-d8 (Surr)	*97*		*80 - 120*

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

Lab Sample ID: 410-193020-6 MSD
Matrix: Water
Analysis Batch: 569353

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	5.71		ug/L		114	80 - 122	0	30
1,1,1-Trichloroethane	0.21	J	5.00	6.92	FH	ug/L		134	78 - 126	1	30
1,1,2,2-Tetrachloroethane	ND		5.00	5.11		ug/L		102	75 - 123	3	30
1,1,2-Trichloroethane	ND		5.00	5.23		ug/L		104	80 - 120	2	30
1,1-Dichloroethane	ND		5.00	6.41	FH	ug/L		128	74 - 120	1	30
1,1-Dichloroethene	0.11	J	5.00	7.22	FH	ug/L		142	80 - 131	2	30
1,2-Dibromoethane (EDB)	ND		5.00	5.29		ug/L		106	80 - 120	0	30
1,2-Dichloroethane	ND		5.00	5.91		ug/L		118	69 - 122	5	30
1,2-Dichloropropane	ND		5.00	5.85		ug/L		117	80 - 120	0	30
2-Butanone (MEK)	ND		62.6	63.7		ug/L		102	59 - 141	1	30
2-Hexanone	ND		62.6	64.9		ug/L		104	52 - 140	4	30
4-Methyl-2-pentanone (MIBK)	ND		62.6	61.8		ug/L		99	55 - 140	4	30
Acetone	ND		62.6	61.6		ug/L		99	60 - 146	4	30
Benzene	ND		5.00	5.98		ug/L		120	80 - 120	1	30
Bromochloromethane	ND		5.00	5.80		ug/L		116	80 - 133	5	30
Bromodichloromethane	ND		5.00	5.97		ug/L		119	80 - 123	2	30
Bromoform	ND		5.00	5.98		ug/L		119	75 - 126	4	30
Bromomethane	ND		5.00	5.94		ug/L		119	63 - 120	2	30
Carbon disulfide	ND		5.00	6.14		ug/L		123	67 - 130	0	30
Carbon tetrachloride	ND		5.00	7.23	FH	ug/L		144	64 - 141	2	30
Chlorobenzene	ND		5.00	5.67		ug/L		113	80 - 120	2	30
Chloroethane	ND		5.00	5.94		ug/L		119	63 - 120	2	30
Chloroform	0.18	J	5.00	6.37	FH	ug/L		124	80 - 120	1	30
Chloromethane	ND		5.00	5.62		ug/L		112	80 - 120	2	30
cis-1,2-Dichloroethene	0.76		5.00	6.96	FH	ug/L		124	80 - 122	3	30
cis-1,3-Dichloropropene	ND		5.00	5.54		ug/L		111	67 - 121	2	30
Dibromochloromethane	ND		5.00	5.69		ug/L		114	80 - 123	3	30
Ethylbenzene	ND		5.00	5.80		ug/L		116	80 - 120	1	30
Methyl tert-butyl ether	ND		5.00	5.29		ug/L		106	69 - 120	3	30
Methylene Chloride	ND		5.00	6.00		ug/L		120	80 - 120	4	30
Styrene	ND		5.00	5.44		ug/L		109	80 - 120	1	30
Tetrachloroethene	4.1		5.00	11.0	FH	ug/L		137	80 - 120	2	30
Toluene	ND		5.00	5.72		ug/L		114	80 - 120	0	30
trans-1,2-Dichloroethene	ND		5.00	6.46	FH	ug/L		129	80 - 122	1	30
trans-1,3-Dichloropropene	ND		5.00	5.30		ug/L		106	61 - 129	0	30
Trichloroethene	0.85		5.00	7.28	FH	ug/L		129	80 - 120	2	30
Vinyl chloride	ND		5.00	6.13		ug/L		123	60 - 125	1	30
Xylenes, Total	ND		15.0	17.2		ug/L		115	80 - 120	0	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*
Dibromofluoromethane (Surr)	*104*		*80 - 120*
Toluene-d8 (Surr)	*97*		*80 - 120*

QC Association Summary

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

Job ID: 410-193020-1

GC/MS VOA

Analysis Batch: 566703

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-193020-1	HD-COD-SW-6-0/1-0	Total/NA	Water	8260D	
410-193020-2	HD-COD-SW-7-0/1-0	Total/NA	Water	8260D	
410-193020-3	HD-COD-SW-8-0/1-0	Total/NA	Water	8260D	
410-193020-4	HD-COD-SW-9-0/1-0	Total/NA	Water	8260D	
410-193020-5	HD-COD-SW-13-0/1-0	Total/NA	Water	8260D	
410-193020-6	HD-COD-SW-15-0/1-0	Total/NA	Water	8260D	
410-193020-7	HD-COD-SW-16-0/1-0	Total/NA	Water	8260D	
410-193020-9	HD-COD-SW-26-0/1-0	Total/NA	Water	8260D	
410-193020-10	HD-COD-SW-27-0/1-0	Total/NA	Water	8260D	
410-193020-11	HD-COD-SW-28-0/1-0	Total/NA	Water	8260D	
410-193020-12	HD-COD-SW-29-0/1-0	Total/NA	Water	8260D	
410-193020-13	HD-QC1-0/1-1	Total/NA	Water	8260D	
410-193020-14	HD-QC1-0/1-2	Total/NA	Water	8260D	
MB 410-566703/7	Method Blank	Total/NA	Water	8260D	
LCS 410-566703/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 410-566703/5	Lab Control Sample Dup	Total/NA	Water	8260D	

Analysis Batch: 569172

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-193020-8	HD-COD-SW-17-0/1-0	Total/NA	Water	8260D	
410-193020-8 - DL	HD-COD-SW-17-0/1-0	Total/NA	Water	8260D	
410-193020-13 - DL	HD-QC1-0/1-1	Total/NA	Water	8260D	
MB 410-569172/6	Method Blank	Total/NA	Water	8260D	
LCS 410-569172/4	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 569353

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 410-569353/10	Method Blank	Total/NA	Water	8260D	
LCS 410-569353/5	Lab Control Sample	Total/NA	Water	8260D	
LCSD 410-569353/6	Lab Control Sample Dup	Total/NA	Water	8260D	
410-193020-6 MS	HD-COD-SW-15-0/1-0 MS	Total/NA	Water	8260D	
410-193020-6 MSD	HD-COD-SW-15-0/1-0 MSD	Total/NA	Water	8260D	

Client Sample ID: HD-COD-SW-6-0/1-0
Lab Sample ID: 410-193020-1
Date Collected: 10/18/24 10:00
Matrix: Water
Date Received: 10/18/24 13:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	566703	N7YK	ELLE	10/23/24 12:33

Client Sample ID: HD-COD-SW-7-0/1-0
Lab Sample ID: 410-193020-2
Date Collected: 10/18/24 10:47
Matrix: Water
Date Received: 10/18/24 13:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	566703	N7YK	ELLE	10/23/24 12:55

Client Sample ID: HD-COD-SW-8-0/1-0
Lab Sample ID: 410-193020-3
Date Collected: 10/18/24 08:55
Matrix: Water
Date Received: 10/18/24 13:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	566703	N7YK	ELLE	10/23/24 13:17

Client Sample ID: HD-COD-SW-9-0/1-0
Lab Sample ID: 410-193020-4
Date Collected: 10/18/24 12:10
Matrix: Water
Date Received: 10/18/24 13:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	566703	N7YK	ELLE	10/23/24 13:40

Client Sample ID: HD-COD-SW-13-0/1-0
Lab Sample ID: 410-193020-5
Date Collected: 10/18/24 09:10
Matrix: Water
Date Received: 10/18/24 13:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	566703	N7YK	ELLE	10/23/24 14:02

Client Sample ID: HD-COD-SW-15-0/1-0
Lab Sample ID: 410-193020-6
Date Collected: 10/18/24 11:10
Matrix: Water
Date Received: 10/18/24 13:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	566703	N7YK	ELLE	10/23/24 14:24

Client Sample ID: HD-COD-SW-16-0/1-0
Lab Sample ID: 410-193020-7
Date Collected: 10/18/24 09:28
Matrix: Water
Date Received: 10/18/24 13:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	566703	N7YK	ELLE	10/23/24 15:30

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

Lab Sample ID: 410-193020-8

Date Collected: 10/18/24 09:40
Matrix: Water
Date Received: 10/18/24 13:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	569172	JS6E	ELLE	10/29/24 23:45
Total/NA	Analysis	8260D	DL	10	569172	JS6E	ELLE	10/30/24 00:22

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

Lab Sample ID: 410-193020-9

Date Collected: 10/18/24 10:27
Matrix: Water
Date Received: 10/18/24 13:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	566703	N7YK	ELLE	10/23/24 16:14

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

Lab Sample ID: 410-193020-10

Date Collected: 10/18/24 11:00
Matrix: Water
Date Received: 10/18/24 13:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	566703	N7YK	ELLE	10/23/24 16:36

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

Lab Sample ID: 410-193020-11

Date Collected: 10/18/24 12:20
Matrix: Water
Date Received: 10/18/24 13:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	566703	N7YK	ELLE	10/23/24 16:58

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

Lab Sample ID: 410-193020-12

Date Collected: 10/18/24 08:40
Matrix: Water
Date Received: 10/18/24 13:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	566703	N7YK	ELLE	10/23/24 17:20

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

Lab Sample ID: 410-193020-13

Date Collected: 10/18/24 12:00
Matrix: Water
Date Received: 10/18/24 13:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D	DL	10	569172	JS6E	ELLE	10/29/24 23:23
Total/NA	Analysis	8260D		1	566703	N7YK	ELLE	10/23/24 12:11

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

Lab Sample ID: 410-193020-14

Date Collected: 10/18/24 00:00
Matrix: Water
Date Received: 10/18/24 13:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	566703	N7YK	ELLE	10/23/24 11:49

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: Groundwater Sciences Corporation
Job ID: 410-193020-1
Project/Site: fYNOP Monthly Surface Water

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

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

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

Method Summary

Client: Groundwater Sciences Corporation
Job ID: 410-193020-1
Project/Site: fYNOP Monthly Surface Water

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	ELLE
5030C	Purge and Trap	SW846	ELLE

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

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

Job ID: 410-193020-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-193020-1	HD-COD-SW-6-0/1-0	Water	10/18/24 10:00	10/18/24 13:20
410-193020-2	HD-COD-SW-7-0/1-0	Water	10/18/24 10:47	10/18/24 13:20
410-193020-3	HD-COD-SW-8-0/1-0	Water	10/18/24 08:55	10/18/24 13:20
410-193020-4	HD-COD-SW-9-0/1-0	Water	10/18/24 12:10	10/18/24 13:20
410-193020-5	HD-COD-SW-13-0/1-0	Water	10/18/24 09:10	10/18/24 13:20
410-193020-6	HD-COD-SW-15-0/1-0	Water	10/18/24 11:10	10/18/24 13:20
410-193020-7	HD-COD-SW-16-0/1-0	Water	10/18/24 09:28	10/18/24 13:20
410-193020-8	HD-COD-SW-17-0/1-0	Water	10/18/24 09:40	10/18/24 13:20
410-193020-9	HD-COD-SW-26-0/1-0	Water	10/18/24 10:27	10/18/24 13:20
410-193020-10	HD-COD-SW-27-0/1-0	Water	10/18/24 11:00	10/18/24 13:20
410-193020-11	HD-COD-SW-28-0/1-0	Water	10/18/24 12:20	10/18/24 13:20
410-193020-12	HD-COD-SW-29-0/1-0	Water	10/18/24 08:40	10/18/24 13:20
410-193020-13	HD-QC1-0/1-1	Water	10/18/24 12:00	10/18/24 13:20
410-193020-14	HD-QC1-0/1-2	Water	10/18/24 00:00	10/18/24 13:20

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Instrument ID: 10193 Analysis Batch Number: 517601

Lab Sample ID: IC 410-517601/3 Client Sample ID:

Date Analyzed: 06/14/24 18:42 Lab File ID: CU14X02.D GC Column: R-624SilMS 3 ID: 0.25(mm)

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

Lab Sample ID: IC 410-517601/4 Client Sample ID:

Date Analyzed: 06/14/24 19:05 Lab File ID: CU14X03.D GC Column: R-624SilMS 3 ID: 0.25(mm)

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

Lab Sample ID: IC 410-517601/5 Client Sample ID:

Date Analyzed: 06/14/24 19:27 Lab File ID: CU14X04.D GC Column: R-624SilMS 3 ID: 0.25(mm)

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

Lab Sample ID: IC 410-517601/6 Client Sample ID:

Date Analyzed: 06/14/24 19:50 Lab File ID: CU14X05.D GC Column: R-624SilMS 3 ID: 0.25(mm)

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

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Instrument ID: 10193 Analysis Batch Number: 517601

Lab Sample ID: IC 410-517601/7 Client Sample ID:

Date Analyzed: 06/14/24 20:13 Lab File ID: CU14X06.D GC Column: R-624SilMS 3 ID: 0.25(mm)

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

Lab Sample ID: IC 410-517601/8 Client Sample ID:

Date Analyzed: 06/14/24 20:35 Lab File ID: CU14X07.D GC Column: R-624SilMS 3 ID: 0.25(mm)

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

Lab Sample ID: IC 410-517601/9 Client Sample ID:

Date Analyzed: 06/14/24 20:58 Lab File ID: CU14X08.D GC Column: R-624SilMS 3 ID: 0.25(mm)

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

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Instrument ID: 10193 Analysis Batch Number: 517601

Lab Sample ID: IC 410-517601/13 Client Sample ID:

Date Analyzed: 06/14/24 22:28 Lab File ID: CU14X12.D GC Column: R-624SilMS 3 ID: 0.25(mm)

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

Lab Sample ID: IC 410-517601/14 Client Sample ID:

Date Analyzed: 06/14/24 22:51 Lab File ID: CU14X13.D GC Column: R-624SilMS 3 ID: 0.25(mm)

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

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Instrument ID: 10193 Analysis Batch Number: 517601

Lab Sample ID: IC 410-517601/15 Client Sample ID:

Date Analyzed: 06/14/24 23:14 Lab File ID: CU14X14.D GC Column: R-624SilMS 3 ID: 0.25(mm)

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

Lab Sample ID: IC 410-517601/16 Client Sample ID:

Date Analyzed: 06/14/24 23:36 Lab File ID: CU14X15.D GC Column: R-624SilMS 3 ID: 0.25(mm)

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

Lab Sample ID: IC 410-517601/17 Client Sample ID:

Date Analyzed: 06/14/24 23:59 Lab File ID: CU14X16.D GC Column: R-624SilMS 3 ID: 0.25(mm)

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

Lab Sample ID: ICIS 410-517601/18 Client Sample ID:

Date Analyzed: 06/15/24 00:22 Lab File ID: CU14X17.D GC Column: R-624SilMS 3 ID: 0.25(mm)

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

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Instrument ID: 10193 Analysis Batch Number: 517601

Lab Sample ID: IC 410-517601/19 Client Sample ID:

Date Analyzed: 06/15/24 00:45 Lab File ID: CU14X18.D GC Column: R-624SilMS 3 ID: 0.25(mm)

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

Lab Sample ID: ICV 410-517601/21 Client Sample ID:

Date Analyzed: 06/15/24 01:30 Lab File ID: CU14X20.D GC Column: R-624SilMS 3 ID: 0.25(mm)

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

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Instrument ID: 10193 Analysis Batch Number: 569172

Lab Sample ID: CCVIS 410-569172/3 Client Sample ID:

Date Analyzed: 10/29/24 21:31 Lab File ID: CC29X32.D GC Column: R-624SilMS 3 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	8.16	Split Peak	JS6E	10/29/24 22:15

Lab Sample ID: 410-193020-8 Client Sample ID: HD-COD-SW-17-0/1-0

Date Analyzed: 10/29/24 23:45 Lab File ID: CC29X38.D GC Column: R-624SilMS 3 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methyl tert-butyl ether	4.12	Incomplete Integration	N9NA	10/30/24 11:10

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Instrument ID: 16334 Analysis Batch Number: 544533

Lab Sample ID: IC 410-544533/13 Client Sample ID:

Date Analyzed: 08/26/24 14:49 Lab File ID: GG26X02.D GC Column: R-624SilMS 3 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethyl ether	3.00	Incomplete Integration	JS6E	08/26/24 23:31
Freon 123a	3.09	Incomplete Integration	JS6E	08/26/24 23:31
Acetone	3.34	Incomplete Integration	JS6E	08/26/24 23:32
Methyl acetate	3.73	Incomplete Integration	JS6E	08/26/24 23:32
2-Chloro-1,3-butadiene	5.06	Incomplete Integration	JS6E	08/26/24 23:32
2-Butanone (MEK)	5.79	Incomplete Integration	JS6E	08/26/24 23:32
Carbon tetrachloride	6.71	Incomplete Integration	JS6E	08/26/24 23:32
Isobutyl alcohol	6.93	Incomplete Integration	JS6E	08/26/24 23:33
n-Butanol	7.93	Incomplete Integration	JS6E	08/26/24 23:33
Dibromomethane	8.32	Incomplete Integration	JS6E	08/26/24 23:33
Methyl methacrylate	8.32	Incomplete Integration	JS6E	08/26/24 23:33
2-Nitropropane	8.84	Incomplete Integration	JS6E	08/26/24 23:34
Ethyl methacrylate	9.90	Incomplete Integration	JS6E	08/26/24 23:34
2-Hexanone	10.31	Incomplete Integration	JS6E	08/27/24 00:03
Styrene	11.55	Missed Peak	JS6E	08/26/24 23:35
1,1,2,2-Tetrachloroethane	12.07	Missed Peak	JS6E	08/26/24 23:36
trans-1,4-Dichloro-2-butene	12.10	Incomplete Integration	JS6E	08/26/24 23:36
Benzyl chloride	12.95	Incomplete Integration	JS6E	08/27/24 00:08
n-Butylbenzene	13.09	Incomplete Integration	JS6E	08/26/24 23:36
1,2-Dibromo-3-Chloropropane	13.69	Missed Peak	UJML	08/27/24 07:43

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Instrument ID: 16334 Analysis Batch Number: 544533

Lab Sample ID: IC 410-544533/14 Client Sample ID:

Date Analyzed: 08/26/24 15:11 Lab File ID: GG26X03.D GC Column: R-624SilMS 3 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethyl ether	3.01	Incomplete Integration	JS6E	08/26/24 23:28
Acetone	3.33	Incomplete Integration	JS6E	08/26/24 23:28
Methyl acetate	3.72	Incomplete Integration	JS6E	08/26/24 23:28
Propionitrile	5.87	Incomplete Integration	JS6E	08/26/24 23:47
Isobutyl alcohol	6.92	Incomplete Integration	JS6E	08/26/24 23:29
1,4-Dioxane	8.32	Incomplete Integration	JS6E	08/26/24 23:29
Methyl methacrylate	8.32	Incomplete Integration	JS6E	08/26/24 23:29
2-Nitropropane	8.84	Incomplete Integration	JS6E	08/26/24 23:29
1-Bromo-2-chloroethane	8.95	Incomplete Integration	JS6E	08/26/24 23:30
Ethyl methacrylate	9.88	Incomplete Integration	JS6E	08/26/24 23:58
2-Hexanone	10.26	Incomplete Integration	JS6E	08/27/24 00:03
Styrene	11.54	Missed Peak	JS6E	08/26/24 23:30
1,1,2,2-Tetrachloroethane	12.06	Missed Peak	JS6E	08/26/24 23:30
Benzyl chloride	12.94	Incomplete Integration	JS6E	08/27/24 00:08

Lab Sample ID: IC 410-544533/15 Client Sample ID:

Date Analyzed: 08/26/24 15:33 Lab File ID: GG26X04.D GC Column: R-624SilMS 3 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetone	3.34	Incomplete Integration	JS6E	08/26/24 22:10
Methyl acetate	3.71	Incomplete Integration	JS6E	08/26/24 22:11
t-Butyl alcohol-d10 (IS)	3.94	Incomplete Integration	JS6E	08/26/24 22:12
1,4-Dioxane	8.32	Incomplete Integration	JS6E	08/26/24 22:12
Methyl methacrylate	8.32	Incomplete Integration	JS6E	08/26/24 22:12
Ethyl methacrylate	9.88	Incomplete Integration	JS6E	08/26/24 23:57
Styrene	11.53	Missed Peak	JS6E	08/26/24 22:13

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Instrument ID: 16334 Analysis Batch Number: 544533

Lab Sample ID: IC 410-544533/17 Client Sample ID:

Date Analyzed: 08/26/24 16:18 Lab File ID: GG26X06.D GC Column: R-624SilMS 3 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetone	3.31	Incomplete Integration	JS6E	08/26/24 22:01
Methyl acetate	3.70	Incomplete Integration	JS6E	08/26/24 21:54
t-Butyl alcohol-d10 (IS)	3.91	Incomplete Integration	JS6E	08/26/24 21:54
Propionitrile	5.85	Incomplete Integration	JS6E	08/26/24 23:48
1,4-Dioxane	8.31	Incomplete Integration	JS6E	08/26/24 21:54

Lab Sample ID: ICIS 410-544533/18 Client Sample ID:

Date Analyzed: 08/26/24 16:40 Lab File ID: GG26X07.D GC Column: R-624SilMS 3 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methyl acetate	3.71	Incomplete Integration	JS6E	08/26/24 20:03
t-Butyl alcohol-d10 (IS)	3.92	Incomplete Integration	JS6E	08/26/24 20:03
1,4-Dioxane	8.31	Incomplete Integration	JS6E	08/26/24 20:04

Lab Sample ID: IC 410-544533/19 Client Sample ID:

Date Analyzed: 08/26/24 17:02 Lab File ID: GG26X08.D GC Column: R-624SilMS 3 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetone	3.32	Incomplete Integration	JS6E	08/26/24 23:41
t-Butyl alcohol-d10 (IS)	3.93	Incomplete Integration	JS6E	08/26/24 21:51
1,4-Dioxane	8.31	Incomplete Integration	JS6E	08/26/24 21:52

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Instrument ID: 16334 Analysis Batch Number: 566703

Lab Sample ID: CCVIS 410-566703/3 Client Sample ID:

Date Analyzed: 10/23/24 09:58 Lab File ID: GC23X02.D GC Column: R-624SilMS 3 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bromomethane	2.45	Incomplete Integration	N7YK	10/23/24 10:33
Methyl acetate	3.72	Incomplete Integration	N7YK	10/23/24 10:34
1,4-Dioxane	8.31	Incomplete Integration	N7YK	10/23/24 10:35

Lab Sample ID: LCS 410-566703/4 Client Sample ID:

Date Analyzed: 10/23/24 10:21 Lab File ID: GC23X03.D GC Column: R-624SilMS 3 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bromomethane	2.46	Incomplete Integration	N7YK	10/23/24 10:41

Lab Sample ID: LCSD 410-566703/5 Client Sample ID:

Date Analyzed: 10/23/24 10:43 Lab File ID: GC23X04.D GC Column: R-624SilMS 3 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bromomethane	2.45	Incomplete Integration	N7YK	10/23/24 11:07

Lab Sample ID: MB 410-566703/7 Client Sample ID:

Date Analyzed: 10/23/24 11:27 Lab File ID: GC23X06.D GC Column: R-624SilMS 3 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Carbon disulfide		Incomplete Integration	N7YK	10/23/24 12:31

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Instrument ID: 16334 Analysis Batch Number: 566703

Lab Sample ID: 410-193020-13 Client Sample ID: HD-QC1-0/1-1

Date Analyzed: 10/23/24 12:11 Lab File ID: GC23X08.D GC Column: R-624SilMS 3 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
trans-1,2-Dichloroethene	4.28	Incomplete Integration	FQ4L	10/24/24 08:20
1,1,2-Trichloroethane		Invalid Compound ID	FQ4L	10/24/24 08:20

Lab Sample ID: 410-193020-1 Client Sample ID: HD-COD-SW-6-0/1-0

Date Analyzed: 10/23/24 12:33 Lab File ID: GC23X09.D GC Column: R-624SilMS 3 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
cis-1,2-Dichloroethene	5.81	Incomplete Integration	FQ4L	10/24/24 08:21
Trichloroethene	7.88	Incomplete Integration	FQ4L	10/24/24 08:21
Acetone		Invalid Compound ID	FQ4L	10/24/24 08:21

Lab Sample ID: 410-193020-2 Client Sample ID: HD-COD-SW-7-0/1-0

Date Analyzed: 10/23/24 12:55 Lab File ID: GC23X10.D GC Column: R-624SilMS 3 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Carbon disulfide	3.56	Incomplete Integration	FQ4L	10/24/24 08:22
cis-1,2-Dichloroethene	5.80	Incomplete Integration	FQ4L	10/24/24 08:22

Lab Sample ID: 410-193020-3 Client Sample ID: HD-COD-SW-8-0/1-0

Date Analyzed: 10/23/24 13:17 Lab File ID: GC23X11.D GC Column: R-624SilMS 3 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
cis-1,2-Dichloroethene	5.81	Incomplete Integration	FQ4L	10/24/24 08:24
1,1-Dichloroethene		Invalid Compound ID	FQ4L	10/24/24 08:24

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Instrument ID: 16334 Analysis Batch Number: 566703

Lab Sample ID: 410-193020-4 Client Sample ID: HD-COD-SW-9-0/1-0

Date Analyzed: 10/23/24 13:40 Lab File ID: GC23X12.D GC Column: R-624SilMS 3 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Trichloroethene	7.88	Incomplete Integration	FQ4L	10/24/24 08:25

Lab Sample ID: 410-193020-5 Client Sample ID: HD-COD-SW-13-0/1-0

Date Analyzed: 10/23/24 14:02 Lab File ID: GC23X13.D GC Column: R-624SilMS 3 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,1,1-Trichloroethane	6.51	Incomplete Integration	FQ4L	10/24/24 08:28
Acetone		Invalid Compound ID	FQ4L	10/24/24 08:26
Chloromethane		Invalid Compound ID	FQ4L	10/24/24 08:26

Lab Sample ID: 410-193020-6 Client Sample ID: HD-COD-SW-15-0/1-0

Date Analyzed: 10/23/24 14:24 Lab File ID: GC23X14.D GC Column: R-624SilMS 3 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,1-Dichloroethane	4.95	Incomplete Integration	FQ4L	10/24/24 08:29

Lab Sample ID: 410-193020-7 Client Sample ID: HD-COD-SW-16-0/1-0

Date Analyzed: 10/23/24 15:30 Lab File ID: GC23X17.D GC Column: R-624SilMS 3 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Carbon disulfide	3.57	Incomplete Integration	FQ4L	10/24/24 08:30
Chloroform	6.27	Incomplete Integration	FQ4L	10/24/24 08:30
Trichloroethene	7.87	Incomplete Integration	FQ4L	10/24/24 08:31
1,1-Dichloroethene		Invalid Compound ID	FQ4L	10/24/24 08:30
Acetone		Invalid Compound ID	FQ4L	10/24/24 08:30
Chloroethane		Invalid Compound ID	FQ4L	10/24/24 08:30

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Instrument ID: 16334 Analysis Batch Number: 566703

Lab Sample ID: 410-193020-9 Client Sample ID: HD-COD-SW-26-0/1-0

Date Analyzed: 10/23/24 16:14 Lab File ID: GC23X19.D GC Column: R-624SilMS 3 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
cis-1,2-Dichloroethene	5.79	Incomplete Integration	FQ4L	10/24/24 08:32
Benzene	6.98	Incomplete Integration	FQ4L	10/24/24 08:33
Trichloroethene	7.87	Incomplete Integration	FQ4L	10/24/24 08:33

Lab Sample ID: 410-193020-10 Client Sample ID: HD-COD-SW-27-0/1-0

Date Analyzed: 10/23/24 16:36 Lab File ID: GC23X20.D GC Column: R-624SilMS 3 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Carbon disulfide	3.56	Incomplete Integration	FQ4L	10/24/24 08:35

Lab Sample ID: 410-193020-11 Client Sample ID: HD-COD-SW-28-0/1-0

Date Analyzed: 10/23/24 16:58 Lab File ID: GC23X21.D GC Column: R-624SilMS 3 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
cis-1,2-Dichloroethene	5.80	Incomplete Integration	FQ4L	10/24/24 08:36
Benzene	6.98	Incomplete Integration	FQ4L	10/24/24 08:36
Trichloroethene	7.87	Incomplete Integration	FQ4L	10/24/24 08:37
Acetone		Invalid Compound ID	FQ4L	10/24/24 08:36

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Instrument ID: 16334 Analysis Batch Number: 566703

Lab Sample ID: 410-193020-12 Client Sample ID: HD-COD-SW-29-0/1-0

Date Analyzed: 10/23/24 17:20 Lab File ID: GC23X22.D GC Column: R-624SilMS 3 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
cis-1,2-Dichloroethene	5.79	Incomplete Integration	FQ4L	10/24/24 08:38
Benzene	6.98	Incomplete Integration	FQ4L	10/24/24 08:39
Trichloroethene	7.87	Incomplete Integration	FQ4L	10/24/24 08:39
1,1,1-Trichloroethane		Invalid Compound ID	FQ4L	10/24/24 08:38
Acetone		Invalid Compound ID	FQ4L	10/24/24 08:38

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Instrument ID: 19094 Analysis Batch Number: 562891

Lab Sample ID: IC 410-562891/3 Client Sample ID:

Date Analyzed: 10/14/24 18:22 Lab File ID: HC14X02.D GC Column: R-624SilMS 3 ID: 0.25(mm)

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

Lab Sample ID: IC 410-562891/4 Client Sample ID:

Date Analyzed: 10/14/24 18:44 Lab File ID: HC14X03.D GC Column: R-624SilMS 3 ID: 0.25(mm)

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

Lab Sample ID: IC 410-562891/5 Client Sample ID:

Date Analyzed: 10/14/24 19:05 Lab File ID: HC14X04.D GC Column: R-624SilMS 3 ID: 0.25(mm)

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

Lab Sample ID: IC 410-562891/6 Client Sample ID:

Date Analyzed: 10/14/24 19:26 Lab File ID: HC14X05.D GC Column: R-624SilMS 3 ID: 0.25(mm)

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

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Instrument ID: 19094 Analysis Batch Number: 562891

Lab Sample ID: IC 410-562891/7 Client Sample ID:

Date Analyzed: 10/14/24 19:47 Lab File ID: HC14X06.D GC Column: R-624SilMS 3 ID: 0.25(mm)

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

Lab Sample ID: IC 410-562891/8 Client Sample ID:

Date Analyzed: 10/14/24 20:08 Lab File ID: HC14X07.D GC Column: R-624SilMS 3 ID: 0.25(mm)

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

Lab Sample ID: IC 410-562891/9 Client Sample ID:

Date Analyzed: 10/14/24 20:29 Lab File ID: HC14X08.D GC Column: R-624SilMS 3 ID: 0.25(mm)

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

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Instrument ID: 19094 Analysis Batch Number: 562891

Lab Sample ID: IC 410-562891/13 Client Sample ID:

Date Analyzed: 10/14/24 21:54 Lab File ID: HC14X12.D GC Column: R-624SilMS 3 ID: 0.25(mm)

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

Lab Sample ID: IC 410-562891/14 Client Sample ID:

Date Analyzed: 10/14/24 22:15 Lab File ID: HC14X13.D GC Column: R-624SilMS 3 ID: 0.25(mm)

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

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Instrument ID: 19094 Analysis Batch Number: 562891

Lab Sample ID: IC 410-562891/15 Client Sample ID:

Date Analyzed: 10/14/24 22:36 Lab File ID: HC14X14.D GC Column: R-624SilMS 3 ID: 0.25(mm)

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

Lab Sample ID: IC 410-562891/16 Client Sample ID:

Date Analyzed: 10/14/24 22:57 Lab File ID: HC14X15.D GC Column: R-624SilMS 3 ID: 0.25(mm)

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

Lab Sample ID: IC 410-562891/17 Client Sample ID:

Date Analyzed: 10/14/24 23:18 Lab File ID: HC14X16.D GC Column: R-624SilMS 3 ID: 0.25(mm)

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

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Instrument ID: 19094 Analysis Batch Number: 562891

Lab Sample ID: ICIS 410-562891/18 Client Sample ID:

Date Analyzed: 10/14/24 23:39 Lab File ID: HC14X17.D GC Column: R-624SilMS 3 ID: 0.25(mm)

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

Lab Sample ID: IC 410-562891/19 Client Sample ID:

Date Analyzed: 10/15/24 00:00 Lab File ID: HC14X18.D GC Column: R-624SilMS 3 ID: 0.25(mm)

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

Lab Sample ID: ICV 410-562891/21 Client Sample ID:

Date Analyzed: 10/15/24 00:42 Lab File ID: HC14X20.D GC Column: R-624SilMS 3 ID: 0.25(mm)

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

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Instrument ID: 19094 Analysis Batch Number: 569353

Lab Sample ID: CCVIS 410-569353/3 Client Sample ID:

Date Analyzed: 10/30/24 08:56 Lab File ID: HC30X02.D GC Column: R-624SilMS 3 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methyl acetate	3.72	Incomplete Integration	N7YK	10/30/24 09:25

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
MSV_CCV_CYC_00008	07/15/24	01/15/24	50/50 MeOH/Water, Lot EH471	200 mL	MSV_VCYC_STK_00011	8.605 mL	Cyclohexanone	6249.81 ug/mL
.MSV_VCYC_STK_00011	07/15/24	01/15/24	50/50 MeOH/Water, Lot EH471	10 mL	MSV_CYC_00009	1.4526 g	Cyclohexanone	145260 ug/mL
..MSV_CYC_00009	06/30/27	Chem Service, Lot 14568900			(Purchased Reagent)		Cyclohexanone	1 g/g
MSV_CCV_CYC_00009	01/10/25	07/10/24	50/50 MeOH/Water, Lot EH471	50 mL	MSV_VCYC_STK_00012	5.81 mL	Cyclohexanone	6250.4 ug/mL
.MSV_VCYC_STK_00012	01/10/25	07/10/24	50/50 MeOH/Water, Lot EH471	10 mL	MSV_CYC_00009	0.5379 g	Cyclohexanone	53790 ug/mL
..MSV_CYC_00009	06/30/27	Chem Service, Lot 14568900			(Purchased Reagent)		Cyclohexanone	1 g/g
MSV_CCV_V5ACE_00037	07/10/24	06/10/24	Methanol, Lot EH822	10 mL	MSV_AcetatesV_00067	1 mL	Acetonitrile	5000 ug/mL
							Ethyl acetate	1000 ug/mL
							Vinyl acetate	1000 ug/mL
.MSV_AcetatesV_00067	07/10/24	Restek, Lot A0197847			(Purchased Reagent)		Acetonitrile	50000 ug/mL
							Ethyl acetate	10000 ug/mL
							Vinyl acetate	10000 ug/mL
MSV_CCV_V5ACE_00041	11/09/24	10/10/24	Methanol, Lot EH822	10 mL	MSV_AcetatesV_00063	1 mL	Acetonitrile	5000 ug/mL
							Ethyl acetate	1000 ug/mL
							Vinyl acetate	1000 ug/mL
.MSV_AcetatesV_00063	11/30/24	Restek, Lot A0197847			(Purchased Reagent)		Acetonitrile	50000 ug/mL
							Ethyl acetate	10000 ug/mL
							Vinyl acetate	10000 ug/mL
MSV_DME_00055	06/15/24	Restek, Lot A0190883			(Purchased Reagent)		Dimethyl ether	1000 ug/mL
MSV_DME_00061	10/31/24	Restek, Lot A0190883			(Purchased Reagent)		Dimethyl ether	1000 ug/mL
MSV_HP25_ISO_00010	12/11/24	06/14/24	Methanol, Lot EH822	10 mL	MSV_Cus826_IS_00775	1 mL	1,4-Dichlorobenzene-d4	250 ug/mL
							Chlorobenzene-d5 (IS)	250 ug/mL
							Fluorobenzene (IS)	250 ug/mL
							t-Butyl alcohol-d10 (IS)	1250 ug/mL
.MSV_Cus826_IS_00775	04/30/26	Restek, Lot A0197488			(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5 (IS)	2500 ug/mL
							Fluorobenzene (IS)	2500 ug/mL
							t-Butyl alcohol-d10 (IS)	12500 ug/mL
MSV_HP25_ISSS_00090	12/11/24	06/11/24	Methanol, Lot EH822	10 mL	MSV_8260_SS_01217	1 mL	1,2-Dichloroethane-d4 (Surr)	250 ug/mL
							4-Bromofluorobenzene (Surr)	250 ug/mL
							Dibromofluoromethane (Surr)	250 ug/mL
							Toluene-d8 (Surr)	250 ug/mL
					MSV_Cus826_IS_00775	1 mL	1,4-Dichlorobenzene-d4	250 ug/mL
							Chlorobenzene-d5 (IS)	250 ug/mL
							Fluorobenzene (IS)	250 ug/mL
							t-Butyl alcohol-d10 (IS)	1250 ug/mL
.MSV_8260_SS_01217	01/31/29	Restek, Lot A0206374			(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.MSV_Cus826_IS_00775	04/30/26		Restek, Lot A0197488		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5 (IS)	2500 ug/mL
							Fluorobenzene (IS)	2500 ug/mL
							t-Butyl alcohol-d10 (IS)	12500 ug/mL
MSV_HP25_ISSS_00094	02/15/25	08/15/24	Methanol, Lot EH822	10 mL	MSV_8260_SS_01260	1 mL	1,2-Dichloroethane-d4 (Surr)	250 ug/mL
							4-Bromofluorobenzene (Surr)	250 ug/mL
							Dibromofluoromethane (Surr)	250 ug/mL
							Toluene-d8 (Surr)	250 ug/mL
					MSV_Cus826_IS_00764	1 mL	1,4-Dichlorobenzene-d4	250 ug/mL
							Chlorobenzene-d5 (IS)	250 ug/mL
							Fluorobenzene (IS)	250 ug/mL
							t-Butyl alcohol-d10 (IS)	1250 ug/mL
.MSV_8260_SS_01260	01/31/29		Restek, Lot A0206374		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
.MSV_Cus826_IS_00764	04/30/26		Restek, Lot A0197488		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5 (IS)	2500 ug/mL
							Fluorobenzene (IS)	2500 ug/mL
							t-Butyl alcohol-d10 (IS)	12500 ug/mL
MSV_HP25_ISSS_00101	04/10/25	10/10/24	Methanol, Lot EH822	10 mL	MSV_Cus826_IS_00642	1 mL	1,4-Dichlorobenzene-d4	250 ug/mL
							Chlorobenzene-d5 (IS)	250 ug/mL
							Fluorobenzene (IS)	250 ug/mL
							t-Butyl alcohol-d10 (IS)	1250 ug/mL
.MSV_Cus826_IS_00642	10/31/26		Restek, Lot A0203141		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5 (IS)	2500 ug/mL
							Fluorobenzene (IS)	2500 ug/mL
							t-Butyl alcohol-d10 (IS)	12500 ug/mL
MSV_HP25_ISSS_00101	04/10/25	10/10/24	Methanol, Lot EH822	10 mL	MSV_8260_SS_01311	1 mL	1,2-Dichloroethane-d4 (Surr)	250 ug/mL
							4-Bromofluorobenzene (Surr)	250 ug/mL
							Dibromofluoromethane (Surr)	250 ug/mL
							Toluene-d8 (Surr)	250 ug/mL
.MSV_8260_SS_01311	04/30/29		Restek, Lot A0209669		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
MSV_LCS_VOC#1_00171	07/09/24	06/09/24	Methanol, Lot EH471	25 mL	MSV_M_MIX1SEC_00200	1 mL	1,1,1,2-Tetrachloroethane	40 ug/mL
							1,1,1-Trichloroethane	40 ug/mL
							1,1,2,2-Tetrachloroethane	40 ug/mL
							1,1,2-Trichloroethane	40 ug/mL
							1,1-Dichloroethane	40 ug/mL
							1,1-Dichloroethene	40 ug/mL
							1,2-Dibromoethane (EDB)	40 ug/mL
							1,2-Dichloroethane	40 ug/mL
							1,2-Dichloropropane	40 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Tetrachloroethene	1000 ug/mL
							Toluene	1000 ug/mL
							trans-1,2-Dichloroethene	1000 ug/mL
							trans-1,3-Dichloropropene	1000 ug/mL
							Trichloroethene	1000 ug/mL
.MSV_M_MIX2SEC_00207	04/30/26		Restek, Lot A0197573		(Purchased Reagent)		Carbon disulfide	1000 ug/mL
							Methyl tert-butyl ether	1000 ug/mL
.MSV_Q_Ketones_00188	02/28/26		Restek, Lot A0194631		(Purchased Reagent)		2-Butanone (MEK)	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone (MIBK)	12500 ug/mL
							Acetone	12500 ug/mL
MSV_LCS_VOC#1_00182	09/24/24	08/25/24	Methanol, Lot EH471	25 mL	MSV_M_MIX1SEC_00222	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_00224	1 mL	Carbon disulfide	40 ug/mL
							Methyl tert-butyl ether	40 ug/mL
					MSV_Q_Ketones_00217	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_00222	05/31/27		Restek, Lot A0211284		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	1000 ug/mL
							1,1,1-Trichloroethane	1000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,2,2-Tetrachloroethane	1000 ug/mL
							1,1,2-Trichloroethane	1000 ug/mL
							1,1-Dichloroethane	1000 ug/mL
							1,1-Dichloroethene	1000 ug/mL
							1,2-Dibromoethane (EDB)	1000 ug/mL
							1,2-Dichloroethane	1000 ug/mL
							1,2-Dichloropropane	1000 ug/mL
							Benzene	1000 ug/mL
							Bromochloromethane	1000 ug/mL
							Bromodichloromethane	1000 ug/mL
							Bromoform	1000 ug/mL
							Carbon tetrachloride	1000 ug/mL
							Chlorobenzene	1000 ug/mL
							Chloroform	1000 ug/mL
							cis-1,2-Dichloroethene	1000 ug/mL
							cis-1,3-Dichloropropene	1000 ug/mL
							Dibromochloromethane	1000 ug/mL
							Ethylbenzene	1000 ug/mL
							Methylene Chloride	1000 ug/mL
							Styrene	1000 ug/mL
							Tetrachloroethene	1000 ug/mL
							Toluene	1000 ug/mL
							trans-1,2-Dichloroethene	1000 ug/mL
							trans-1,3-Dichloropropene	1000 ug/mL
							Trichloroethene	1000 ug/mL
.MSV_M_MIX2SEC_00224	05/31/27		Restek, Lot A0212017		(Purchased Reagent)		Carbon disulfide	1000 ug/mL
							Methyl tert-butyl ether	1000 ug/mL
.MSV_Q_Ketones_00217	02/28/26		Restek, Lot A0194631		(Purchased Reagent)		2-Butanone (MEK)	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone (MIBK)	12500 ug/mL
							Acetone	12500 ug/mL
MSV_LCS_VOC#1_00189	11/13/24	10/14/24	Methanol, Lot EH471	25 mL	MSV_M_MIX1SEC_00229	1 mL	1,1,1,2-Tetrachloroethane	40 ug/mL
							1,1,1-Trichloroethane	40 ug/mL
							1,1,2,2-Tetrachloroethane	40 ug/mL
							1,1,2-Trichloroethane	40 ug/mL
							1,1-Dichloroethane	40 ug/mL
							1,1-Dichloroethene	40 ug/mL
							1,2-Dibromoethane (EDB)	40 ug/mL
							1,2-Dichloroethane	40 ug/mL
							1,2-Dichloropropane	40 ug/mL
							Benzene	40 ug/mL
							Bromochloromethane	40 ug/mL
							Bromodichloromethane	40 ug/mL
							Bromoform	40 ug/mL
							Carbon tetrachloride	40 ug/mL
							Chlorobenzene	40 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00228	1 mL	Carbon disulfide	40 ug/mL
							Methyl tert-butyl ether	40 ug/mL
					MSV_Q_Ketones_00222	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_00229	05/31/27		Restek, Lot A0211284		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	1000 ug/mL
							1,1,1-Trichloroethane	1000 ug/mL
							1,1,2,2-Tetrachloroethane	1000 ug/mL
							1,1,2-Trichloroethane	1000 ug/mL
							1,1-Dichloroethane	1000 ug/mL
							1,1-Dichloroethene	1000 ug/mL
							1,2-Dibromoethane (EDB)	1000 ug/mL
							1,2-Dichloroethane	1000 ug/mL
							1,2-Dichloropropane	1000 ug/mL
							Benzene	1000 ug/mL
							Bromochloromethane	1000 ug/mL
							Bromodichloromethane	1000 ug/mL
							Bromoform	1000 ug/mL
							Carbon tetrachloride	1000 ug/mL
							Chlorobenzene	1000 ug/mL
							Chloroform	1000 ug/mL
							cis-1,2-Dichloroethene	1000 ug/mL
							cis-1,3-Dichloropropene	1000 ug/mL
							Dibromochloromethane	1000 ug/mL
							Ethylbenzene	1000 ug/mL
							Methylene Chloride	1000 ug/mL
							Styrene	1000 ug/mL
							Tetrachloroethene	1000 ug/mL
							Toluene	1000 ug/mL
							trans-1,2-Dichloroethene	1000 ug/mL
							trans-1,3-Dichloropropene	1000 ug/mL
							Trichloroethene	1000 ug/mL
.MSV_M_MIX2SEC_00228	05/31/27		Restek, Lot A0212017		(Purchased Reagent)		Carbon disulfide	1000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methyl tert-butyl ether	1000 ug/mL
.MSV_Q_Ketones_00222	04/30/27		Restek, Lot A0209876		(Purchased Reagent)		2-Butanone (MEK)	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone (MIBK)	12500 ug/mL
							Acetone	12500 ug/mL
MSV_LCS_VOC#1_00190	11/20/24	10/21/24	Methanol, Lot EH471	25 mL	MSV_M_MIX1SEC_00231	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_00231	1 mL	Carbon disulfide	40 ug/mL
							Methyl tert-butyl ether	40 ug/mL
					MSV_Q_Ketones_00226	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_00231	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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichloropropane	1000 ug/mL
							Benzene	1000 ug/mL
							Bromochloromethane	1000 ug/mL
							Bromodichloromethane	1000 ug/mL
							Bromoform	1000 ug/mL
							Carbon tetrachloride	1000 ug/mL
							Chlorobenzene	1000 ug/mL
							Chloroform	1000 ug/mL
							cis-1,2-Dichloroethene	1000 ug/mL
							cis-1,3-Dichloropropene	1000 ug/mL
							Dibromochloromethane	1000 ug/mL
							Ethylbenzene	1000 ug/mL
							Methylene Chloride	1000 ug/mL
							Styrene	1000 ug/mL
							Tetrachloroethene	1000 ug/mL
							Toluene	1000 ug/mL
							trans-1,2-Dichloroethene	1000 ug/mL
							trans-1,3-Dichloropropene	1000 ug/mL
							Trichloroethene	1000 ug/mL
.MSV_M_MIX2SEC_00231	05/31/27		Restek, Lot A0212017		(Purchased Reagent)		Carbon disulfide	1000 ug/mL
							Methyl tert-butyl ether	1000 ug/mL
.MSV_Q_Ketones_00226	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_00191	11/27/24	10/28/24	Methanol, Lot EH471	25 mL	MSV_M_MIX1SEC_00233	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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00232	1 mL	Carbon disulfide	40 ug/mL
							Methyl tert-butyl ether	40 ug/mL
					MSV_Q_Ketones_00229	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_00233	05/31/27		Restek, Lot A0211284		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	1000 ug/mL
							1,1,1-Trichloroethane	1000 ug/mL
							1,1,2,2-Tetrachloroethane	1000 ug/mL
							1,1,2-Trichloroethane	1000 ug/mL
							1,1-Dichloroethane	1000 ug/mL
							1,1-Dichloroethene	1000 ug/mL
							1,2-Dibromoethane (EDB)	1000 ug/mL
							1,2-Dichloroethane	1000 ug/mL
							1,2-Dichloropropane	1000 ug/mL
							Benzene	1000 ug/mL
							Bromochloromethane	1000 ug/mL
							Bromodichloromethane	1000 ug/mL
							Bromoform	1000 ug/mL
							Carbon tetrachloride	1000 ug/mL
							Chlorobenzene	1000 ug/mL
							Chloroform	1000 ug/mL
							cis-1,2-Dichloroethene	1000 ug/mL
							cis-1,3-Dichloropropene	1000 ug/mL
							Dibromochloromethane	1000 ug/mL
							Ethylbenzene	1000 ug/mL
							Methylene Chloride	1000 ug/mL
							Styrene	1000 ug/mL
							Tetrachloroethene	1000 ug/mL
							Toluene	1000 ug/mL
							trans-1,2-Dichloroethene	1000 ug/mL
							trans-1,3-Dichloropropene	1000 ug/mL
							Trichloroethene	1000 ug/mL
.MSV_M_MIX2SEC_00232	05/31/27		Restek, Lot A0212017		(Purchased Reagent)		Carbon disulfide	1000 ug/mL
							Methyl tert-butyl ether	1000 ug/mL
.MSV_Q_Ketones_00229	04/30/27		Restek, Lot A0209876		(Purchased Reagent)		2-Butanone (MEK)	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone (MIBK)	12500 ug/mL
							Acetone	12500 ug/mL
MSV_LL_#1_826_00133	06/17/24	06/10/24	Methanol, Lot EH822	1 mL	MSV_CCV_VOC#1_00187	50 uL	1,1,1,2-Tetrachloroethane	50 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dibromoethane (EDB)	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							4-Isopropyltoluene	50 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	100 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							N-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	50 ug/mL
							1,2,3-Trimethylbenzene	50 ug/mL
							1,3,5-Trichlorobenzene	50 ug/mL
							1,4-Dioxane	2500 ug/mL
							1-Chlorohexane	50 ug/mL
							2-Chloro-1,3-butadiene	50 ug/mL
							2-Methyl-2-propanol	1000 ug/mL
							2-Nitropropane	250 ug/mL
							3-Chloro-1-propene	50 ug/mL
							Acrylonitrile	125 ug/mL
							Benzyl chloride	50 ug/mL
							Carbon disulfide	50 ug/mL
							Cyclohexane	50 ug/mL
							Ethyl methacrylate	50 ug/mL
							Hexane	50 ug/mL
							Iodomethane	50 ug/mL
							Isobutyl alcohol	2500 ug/mL
							Isopropyl ether	50 ug/mL
							Methacrylonitrile	500 ug/mL
							Methyl acetate	50 ug/mL
							Methyl methacrylate	50 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylcyclohexane	50 ug/mL
							n-Butanol	4375 ug/mL
							n-Heptane	50 ug/mL
							Propionitrile	1000 ug/mL
							Tert-amyl methyl ether	50 ug/mL
							Tert-butyl ethyl ether	50 ug/mL
							Tetrahydrofuran	250 ug/mL
							trans-1,4-Dichloro-2-butene	500 ug/mL
					MSV_CCV_VOC#3_00183	200 uL	Acrolein	2505.5 ug/mL
							2-Butanone (MEK)	500 ug/mL
							2-Hexanone	500 ug/mL
							4-Methyl-2-pentanone (MIBK)	500 ug/mL
							Acetone	500 ug/mL
					MSV_V_VOA2_00241	150 uL	1,4-Dioxane	2500 ug/mL
							2-Methyl-2-propanol	1000 ug/mL
							Isobutyl alcohol	2500 ug/mL
							Methacrylonitrile	500 ug/mL
							n-Butanol	4375 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Propionitrile	1000 ug/mL
							trans-1,4-Dichloro-2-butene	500 ug/mL
.MSV_CCV_VOC#1_00187	07/09/24	06/09/24	Methanol, Lot EH471	5 mL	MSV_MegaMIX#1_00178	1 mL	1,1,1,2-Tetrachloroethane	1000 ug/mL
							1,1,1-Trichloroethane	1000 ug/mL
							1,1,2,2-Tetrachloroethane	1000 ug/mL
							1,1,2-Trichloroethane	1000 ug/mL
							1,1-Dichloroethane	1000 ug/mL
							1,1-Dichloroethene	1000 ug/mL
							1,1-Dichloropropene	1000 ug/mL
							1,2,3-Trichlorobenzene	1000 ug/mL
							1,2,3-Trichloropropane	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2,4-Trimethylbenzene	1000 ug/mL
							1,2-Dibromo-3-Chloropropane	1000 ug/mL
							1,2-Dibromoethane (EDB)	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Dichloroethane	1000 ug/mL
							1,2-Dichloropropane	1000 ug/mL
							1,3,5-Trimethylbenzene	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dichloropropane	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							2,2-Dichloropropane	1000 ug/mL
							2-Chlorotoluene	1000 ug/mL
							4-Chlorotoluene	1000 ug/mL
							4-Isopropyltoluene	1000 ug/mL
							Benzene	1000 ug/mL
							Bromobenzene	1000 ug/mL
							Bromochloromethane	1000 ug/mL
							Bromodichloromethane	1000 ug/mL
							Bromoform	1000 ug/mL
							Carbon tetrachloride	1000 ug/mL
							Chlorobenzene	1000 ug/mL
							Chloroform	1000 ug/mL
							cis-1,2-Dichloroethene	1000 ug/mL
							cis-1,3-Dichloropropene	1000 ug/mL
							Dibromochloromethane	1000 ug/mL
							Dibromomethane	1000 ug/mL
							Ethylbenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Isopropylbenzene	1000 ug/mL
							m-Xylene & p-Xylene	2000 ug/mL
							Methylene Chloride	1000 ug/mL
							n-Butylbenzene	1000 ug/mL
							N-Propylbenzene	1000 ug/mL
							Naphthalene	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							o-Xylene	1000 ug/mL
							sec-Butylbenzene	1000 ug/mL
							Styrene	1000 ug/mL
							tert-Butylbenzene	1000 ug/mL
							Tetrachloroethene	1000 ug/mL
							Toluene	1000 ug/mL
							trans-1,2-Dichloroethene	1000 ug/mL
							trans-1,3-Dichloropropene	1000 ug/mL
							Trichloroethene	1000 ug/mL
					MSV_MegaMix#2_00184	1 mL	1,1,2-Trichloro-1,2,2-trifluoroethane	1000 ug/mL
							1,2,3-Trimethylbenzene	1000 ug/mL
							1,3,5-Trichlorobenzene	1000 ug/mL
							1,4-Dioxane	12500 ug/mL
							1-Chlorohexane	1000 ug/mL
							2-Chloro-1,3-butadiene	1000 ug/mL
							2-Methyl-2-propanol	5000 ug/mL
							2-Nitropropane	5000 ug/mL
							3-Chloro-1-propene	1000 ug/mL
							Acrylonitrile	2500 ug/mL
							Benzyl chloride	1000 ug/mL
							Carbon disulfide	1000 ug/mL
							Cyclohexane	1000 ug/mL
							Ethyl methacrylate	1000 ug/mL
							Hexane	1000 ug/mL
							Iodomethane	1000 ug/mL
							Isobutyl alcohol	12500 ug/mL
							Isopropyl ether	1000 ug/mL
							Methacrylonitrile	2500 ug/mL
							Methyl acetate	1000 ug/mL
							Methyl methacrylate	1000 ug/mL
							Methyl tert-butyl ether	1000 ug/mL
							Methylcyclohexane	1000 ug/mL
							n-Butanol	12500 ug/mL
							n-Heptane	1000 ug/mL
							Propionitrile	5000 ug/mL
							Tert-amyl methyl ether	1000 ug/mL
							Tert-butyl ethyl ether	1000 ug/mL
							Tetrahydrofuran	5000 ug/mL
							trans-1,4-Dichloro-2-butene	2500 ug/mL
..MSV_MegaMIX#1_00178	07/09/24		Restek, Lot A0197556		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	5000 ug/mL
							1,1,1-Trichloroethane	5000 ug/mL
							1,1,2,2-Tetrachloroethane	5000 ug/mL
							1,1,2-Trichloroethane	5000 ug/mL
							1,1-Dichloroethane	5000 ug/mL
							1,1-Dichloroethene	5000 ug/mL
							1,1-Dichloropropene	5000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..MSV_MegaMix#2_00184	07/09/24		Restek, Lot A0197578		(Purchased Reagent)		1,1,2-Trichloro-1,2,2-trifluoroethane	5000 ug/mL
							1,2,3-Trimethylbenzene	5000 ug/mL
							1,3,5-Trichlorobenzene	5000 ug/mL
							1,4-Dioxane	62500 ug/mL
							1-Chlorohexane	5000 ug/mL
							2-Chloro-1,3-butadiene	5000 ug/mL
							2-Methyl-2-propanol	25000 ug/mL
							2-Nitropropane	25000 ug/mL
							3-Chloro-1-propene	5000 ug/mL
							Acrylonitrile	12500 ug/mL
							Benzyl chloride	5000 ug/mL
							Carbon disulfide	5000 ug/mL
							Cyclohexane	5000 ug/mL
							Ethyl methacrylate	5000 ug/mL
							Hexane	5000 ug/mL
							Iodomethane	5000 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Isopropyl ether	5000 ug/mL
							Methacrylonitrile	12500 ug/mL
							Methyl acetate	5000 ug/mL
							Methyl methacrylate	5000 ug/mL
							Methyl tert-butyl ether	5000 ug/mL
							Methylcyclohexane	5000 ug/mL
							n-Butanol	62500 ug/mL
							n-Heptane	5000 ug/mL
							Propionitrile	25000 ug/mL
							Tert-amyl methyl ether	5000 ug/mL
							Tert-butyl ethyl ether	5000 ug/mL
							Tetrahydrofuran	25000 ug/mL
							trans-1,4-Dichloro-2-butene	12500 ug/mL
.MSV_CCV_VOC#3_00183	06/17/24	06/09/24	Methanol, Lot EH471	5 mL	MSV_CCV_ACR_00017	0.5 mL	Acrolein	12527.5 ug/mL
					MSV_V_Ketones_00167	1 mL	2-Butanone (MEK)	2500 ug/mL
							2-Hexanone	2500 ug/mL
							4-Methyl-2-pentanone (MIBK)	2500 ug/mL
							Acetone	2500 ug/mL
..MSV_CCV_ACR_00017	06/17/24	04/18/24	Methanol, Lot EH471	10 mL	MSV_VACR_STK_00039	9.125 mL	Acrolein	125275 ug/mL
...MSV_VACR_STK_00039	06/17/24	04/18/24	Methanol, Lot EH471	10 mL	MSV_ACROLEIN_00033	1.4778 g	Acrolein	137288 ug/mL
....MSV_ACROLEIN_00033	01/31/25		Chem Service, Lot 15004000		(Purchased Reagent)		Acrolein	0.929 g/g
..MSV_V_Ketones_00167	01/31/26		Restek, Lot A0193494		(Purchased Reagent)		2-Butanone (MEK)	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone (MIBK)	12500 ug/mL
							Acetone	12500 ug/mL
.MSV_V_VOA2_00241	07/02/24	06/02/24	Methanol, Lot EH471	5 mL	MSV_V#2B_00378	1 mL	1,4-Dioxane	12500 ug/mL
							2-Methyl-2-propanol	5000 ug/mL
							Isobutyl alcohol	12500 ug/mL
							Methacrylonitrile	2500 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Butanol	25000 ug/mL
							Propionitrile	5000 ug/mL
							trans-1,4-Dichloro-2-butene	2500 ug/mL
..MSV_V#2B_00378	05/31/25		Restek, Lot A0197599		(Purchased Reagent)		1,4-Dioxane	62500 ug/mL
							2-Methyl-2-propanol	25000 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Methacrylonitrile	12500 ug/mL
							n-Butanol	125000 ug/mL
							Propionitrile	25000 ug/mL
							trans-1,4-Dichloro-2-butene	12500 ug/mL
MSV_LL_#1_826_00143	09/17/24	08/19/24	Methanol, Lot EH822	1 mL	MSV_CCV_VOC#1_00197	50 uL	1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dibromoethane (EDB)	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							4-Isopropyltoluene	50 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	100 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							N-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	50 ug/mL
							1,2,3-Trimethylbenzene	50 ug/mL
							1,3,5-Trichlorobenzene	50 ug/mL
							1,4-Dioxane	2500 ug/mL
							1-Chlorohexane	50 ug/mL
							2-Chloro-1,3-butadiene	50 ug/mL
							2-Methyl-2-propanol	1000 ug/mL
							2-Nitropropane	250 ug/mL
							3-Chloro-1-propene	50 ug/mL
							Acrylonitrile	125 ug/mL
							Benzyl chloride	50 ug/mL
							Carbon disulfide	50 ug/mL
							Cyclohexane	50 ug/mL
							Ethyl methacrylate	50 ug/mL
							Hexane	50 ug/mL
							Iodomethane	50 ug/mL
							Isobutyl alcohol	2500 ug/mL
							Isopropyl ether	50 ug/mL
							Methacrylonitrile	500 ug/mL
							Methyl acetate	50 ug/mL
							Methyl methacrylate	50 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylcyclohexane	50 ug/mL
							n-Butanol	4375 ug/mL
							n-Heptane	50 ug/mL
							Propionitrile	1000 ug/mL
							Tert-amyl methyl ether	50 ug/mL
							Tert-butyl ethyl ether	50 ug/mL
							Tetrahydrofuran	250 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							trans-1,4-Dichloro-2-butene	500 ug/mL
					MSV_CCV_VOC#3_00194	200 uL	Acrolein	2505.33 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_00250	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_00197	09/17/24	08/18/24	Methanol, Lot EH471	5 mL	MSV_MegaMIX#1_00193	1 mL	1,1,1,2-Tetrachloroethane	1000 ug/mL
							1,1,1-Trichloroethane	1000 ug/mL
							1,1,2,2-Tetrachloroethane	1000 ug/mL
							1,1,2-Trichloroethane	1000 ug/mL
							1,1-Dichloroethane	1000 ug/mL
							1,1-Dichloroethene	1000 ug/mL
							1,1-Dichloropropene	1000 ug/mL
							1,2,3-Trichlorobenzene	1000 ug/mL
							1,2,3-Trichloropropane	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2,4-Trimethylbenzene	1000 ug/mL
							1,2-Dibromo-3-Chloropropane	1000 ug/mL
							1,2-Dibromoethane (EDB)	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Dichloroethane	1000 ug/mL
							1,2-Dichloropropane	1000 ug/mL
							1,3,5-Trimethylbenzene	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dichloropropane	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							2,2-Dichloropropane	1000 ug/mL
							2-Chlorotoluene	1000 ug/mL
							4-Chlorotoluene	1000 ug/mL
							4-Isopropyltoluene	1000 ug/mL
							Benzene	1000 ug/mL
							Bromobenzene	1000 ug/mL
							Bromochloromethane	1000 ug/mL
							Bromodichloromethane	1000 ug/mL
							Bromoform	1000 ug/mL
							Carbon tetrachloride	1000 ug/mL
							Chlorobenzene	1000 ug/mL
							Chloroform	1000 ug/mL
							cis-1,2-Dichloroethene	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							cis-1,3-Dichloropropene	1000 ug/mL
							Dibromochloromethane	1000 ug/mL
							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_00199	1 mL	1,1,2-Trichloro-1,2,2-trifluoroethane	1000 ug/mL
							1,2,3-Trimethylbenzene	1000 ug/mL
							1,3,5-Trichlorobenzene	1000 ug/mL
							1,4-Dioxane	12500 ug/mL
							1-Chlorohexane	1000 ug/mL
							2-Chloro-1,3-butadiene	1000 ug/mL
							2-Methyl-2-propanol	5000 ug/mL
							2-Nitropropane	5000 ug/mL
							3-Chloro-1-propene	1000 ug/mL
							Acrylonitrile	2500 ug/mL
							Benzyl chloride	1000 ug/mL
							Carbon disulfide	1000 ug/mL
							Cyclohexane	1000 ug/mL
							Ethyl methacrylate	1000 ug/mL
							Hexane	1000 ug/mL
							Iodomethane	1000 ug/mL
							Isobutyl alcohol	12500 ug/mL
							Isopropyl ether	1000 ug/mL
							Methacrylonitrile	2500 ug/mL
							Methyl acetate	1000 ug/mL
							Methyl methacrylate	1000 ug/mL
							Methyl tert-butyl ether	1000 ug/mL
							Methylcyclohexane	1000 ug/mL
							n-Butanol	12500 ug/mL
							n-Heptane	1000 ug/mL
							Propionitrile	5000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00193	09/17/24		Restek, Lot A0197556		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	5000 ug/mL
							1,1,1-Trichloroethane	5000 ug/mL
							1,1,2,2-Tetrachloroethane	5000 ug/mL
							1,1,2-Trichloroethane	5000 ug/mL
							1,1-Dichloroethane	5000 ug/mL
							1,1-Dichloroethene	5000 ug/mL
							1,1-Dichloropropene	5000 ug/mL
							1,2,3-Trichlorobenzene	5000 ug/mL
							1,2,3-Trichloropropane	5000 ug/mL
							1,2,4-Trichlorobenzene	5000 ug/mL
							1,2,4-Trimethylbenzene	5000 ug/mL
							1,2-Dibromo-3-Chloropropane	5000 ug/mL
							1,2-Dibromoethane (EDB)	5000 ug/mL
							1,2-Dichlorobenzene	5000 ug/mL
							1,2-Dichloroethane	5000 ug/mL
							1,2-Dichloropropane	5000 ug/mL
							1,3,5-Trimethylbenzene	5000 ug/mL
							1,3-Dichlorobenzene	5000 ug/mL
							1,3-Dichloropropane	5000 ug/mL
							1,4-Dichlorobenzene	5000 ug/mL
							2,2-Dichloropropane	5000 ug/mL
							2-Chlorotoluene	5000 ug/mL
							4-Chlorotoluene	5000 ug/mL
							4-Isopropyltoluene	5000 ug/mL
							Benzene	5000 ug/mL
							Bromobenzene	5000 ug/mL
							Bromochloromethane	5000 ug/mL
							Bromodichloromethane	5000 ug/mL
							Bromoform	5000 ug/mL
							Carbon tetrachloride	5000 ug/mL
							Chlorobenzene	5000 ug/mL
							Chloroform	5000 ug/mL
							cis-1,2-Dichloroethene	5000 ug/mL
							cis-1,3-Dichloropropene	5000 ug/mL
							Dibromochloromethane	5000 ug/mL
							Dibromomethane	5000 ug/mL
							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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00199	09/17/24		Restek, Lot A0212010		(Purchased Reagent)		1,1,2-Trichloro-1,2,2-trifluoroethane	5000 ug/mL
							1,2,3-Trimethylbenzene	5000 ug/mL
							1,3,5-Trichlorobenzene	5000 ug/mL
							1,4-Dioxane	62500 ug/mL
							1-Chlorohexane	5000 ug/mL
							2-Chloro-1,3-butadiene	5000 ug/mL
							2-Methyl-2-propanol	25000 ug/mL
							2-Nitropropane	25000 ug/mL
							3-Chloro-1-propene	5000 ug/mL
							Acrylonitrile	12500 ug/mL
							Benzyl chloride	5000 ug/mL
							Carbon disulfide	5000 ug/mL
							Cyclohexane	5000 ug/mL
							Ethyl methacrylate	5000 ug/mL
							Hexane	5000 ug/mL
							Iodomethane	5000 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Isopropyl ether	5000 ug/mL
							Methacrylonitrile	12500 ug/mL
							Methyl acetate	5000 ug/mL
							Methyl methacrylate	5000 ug/mL
							Methyl tert-butyl ether	5000 ug/mL
							Methylcyclohexane	5000 ug/mL
							n-Butanol	62500 ug/mL
							n-Heptane	5000 ug/mL
							Propionitrile	25000 ug/mL
							Tert-amyl methyl ether	5000 ug/mL
							Tert-butyl ethyl ether	5000 ug/mL
							Tetrahydrofuran	25000 ug/mL
							trans-1,4-Dichloro-2-butene	12500 ug/mL
.MSV_CCV_VOC#3_00194	09/17/24	08/18/24	Methanol, Lot EH471	5 mL	MSV_CCV_ACR_00022	0.5 mL	Acrolein	12526.6 ug/mL
					MSV_V_Ketones_00191	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..MSV_CCV_ACR_00022	10/06/24	08/07/24	Methanol, Lot EH471	10 mL	MSV_VACR_STK_00042	8.723 mL	Acrolein	125266 ug/mL
...MSV_VACR_STK_00042	10/06/24	08/07/24	Methanol, Lot EH471	10 mL	MSV_ACROLEIN_00036	1.5458 g	Acrolein	143605 ug/mL
....MSV_ACROLEIN_00036	01/31/25	Chem Service, Lot 15493200			(Purchased Reagent)		Acrolein	0.929 g/g
..MSV_V_Ketones_00191	10/31/26	Restek, Lot A0203422			(Purchased Reagent)		2-Butanone (MEK)	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone (MIBK)	12500 ug/mL
							Acetone	12500 ug/mL
.MSV_V_VOA2_00250	09/17/24	08/18/24	Methanol, Lot EH471	5 mL	MSV_V#2B_00386	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_00386	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_00149	10/30/24	10/01/24	Methanol, Lot EH822	1 mL	MSV_CCV_VOC#1_00203	50 uL	1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,2-Dibromoethane (EDB)	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							Benzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							Methylene Chloride	50 ug/mL
							Styrene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00200	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_00203	10/30/24	09/30/24	Methanol, Lot EH471	5 mL	MSV_MegaMIX#1_00200	1 mL	1,1,1,2-Tetrachloroethane	1000 ug/mL
							1,1,1-Trichloroethane	1000 ug/mL
							1,1,2,2-Tetrachloroethane	1000 ug/mL
							1,1,2-Trichloroethane	1000 ug/mL
							1,1-Dichloroethane	1000 ug/mL
							1,1-Dichloroethene	1000 ug/mL
							1,2-Dibromoethane (EDB)	1000 ug/mL
							1,2-Dichloroethane	1000 ug/mL
							1,2-Dichloropropane	1000 ug/mL
							Benzene	1000 ug/mL
							Bromochloromethane	1000 ug/mL
							Bromodichloromethane	1000 ug/mL
							Bromoform	1000 ug/mL
							Carbon tetrachloride	1000 ug/mL
							Chlorobenzene	1000 ug/mL
							Chloroform	1000 ug/mL
							cis-1,2-Dichloroethene	1000 ug/mL
							cis-1,3-Dichloropropene	1000 ug/mL
							Dibromochloromethane	1000 ug/mL
							Ethylbenzene	1000 ug/mL
							Methylene Chloride	1000 ug/mL
							Styrene	1000 ug/mL
							Tetrachloroethene	1000 ug/mL
							Toluene	1000 ug/mL
							trans-1,2-Dichloroethene	1000 ug/mL
							trans-1,3-Dichloropropene	1000 ug/mL
							Trichloroethene	1000 ug/mL
					MSV_MegaMix#2_00193	1 mL	Carbon disulfide	1000 ug/mL
							Methyl tert-butyl ether	1000 ug/mL
..MSV_MegaMIX#1_00200	05/31/27		Restek, Lot A00211483		(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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00193	05/31/27		Restek, Lot A0212010		(Purchased Reagent)		Carbon disulfide	5000 ug/mL
							Methyl tert-butyl ether	5000 ug/mL
.MSV_CCV_VOC#3_00200	10/30/24	09/30/24	Methanol, Lot EH471	5 mL	MSV_V_Ketones_00200	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_00200	04/30/27		Restek, Lot A0210935		(Purchased Reagent)		2-Butanone (MEK)	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone (MIBK)	12500 ug/mL
							Acetone	12500 ug/mL
MSV_LL_#1_826_00150	11/06/24	10/14/24	Methanol, Lot EH822	1 mL	MSV_CCV_VOC#1_00205	50 uL	1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							4-Isopropyltoluene	50 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	100 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							N-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	50 ug/mL
							1,2,3-Trimethylbenzene	50 ug/mL
							1,3,5-Trichlorobenzene	50 ug/mL
							1,4-Dioxane	2500 ug/mL
							1-Chlorohexane	50 ug/mL
							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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Carbon disulfide	50 ug/mL
							Cyclohexane	50 ug/mL
							Ethyl methacrylate	50 ug/mL
							Hexane	50 ug/mL
							Iodomethane	50 ug/mL
							Isobutyl alcohol	2500 ug/mL
							Isopropyl ether	50 ug/mL
							Methacrylonitrile	500 ug/mL
							Methyl acetate	50 ug/mL
							Methyl methacrylate	50 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylcyclohexane	50 ug/mL
							n-Butanol	4375 ug/mL
							n-Heptane	50 ug/mL
							Propionitrile	1000 ug/mL
							Tert-amyl methyl ether	50 ug/mL
							Tert-butyl ethyl ether	50 ug/mL
							Tetrahydrofuran	250 ug/mL
							trans-1,4-Dichloro-2-butene	500 ug/mL
					MSV_CCV_VOC#3_00202	200 uL	Acrolein	2505.32 ug/mL
							2-Butanone (MEK)	500 ug/mL
							2-Hexanone	500 ug/mL
							4-Methyl-2-pentanone (MIBK)	500 ug/mL
							Acetone	500 ug/mL
					MSV_V_VOA2_00258	150 uL	1,4-Dioxane	2500 ug/mL
							2-Methyl-2-propanol	1000 ug/mL
							Isobutyl alcohol	2500 ug/mL
							Methacrylonitrile	500 ug/mL
							n-Butanol	4375 ug/mL
							Propionitrile	1000 ug/mL
							trans-1,4-Dichloro-2-butene	500 ug/mL
.MSV_CCV_VOC#1_00205	11/13/24	10/14/24	Methanol, Lot EH471	5 mL	MSV_MegaMIX#1_00205	1 mL	1,1,1,2-Tetrachloroethane	1000 ug/mL
							1,1,1-Trichloroethane	1000 ug/mL
							1,1,2,2-Tetrachloroethane	1000 ug/mL
							1,1,2-Trichloroethane	1000 ug/mL
							1,1-Dichloroethane	1000 ug/mL
							1,1-Dichloroethene	1000 ug/mL
							1,1-Dichloropropene	1000 ug/mL
							1,2,3-Trichlorobenzene	1000 ug/mL
							1,2,3-Trichloropropane	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2,4-Trimethylbenzene	1000 ug/mL
							1,2-Dibromo-3-Chloropropane	1000 ug/mL
							1,2-Dibromoethane (EDB)	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Dichloroethane	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichloropropane	1000 ug/mL
							1,3,5-Trimethylbenzene	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dichloropropane	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							2,2-Dichloropropane	1000 ug/mL
							2-Chlorotoluene	1000 ug/mL
							4-Chlorotoluene	1000 ug/mL
							4-Isopropyltoluene	1000 ug/mL
							Benzene	1000 ug/mL
							Bromobenzene	1000 ug/mL
							Bromochloromethane	1000 ug/mL
							Bromodichloromethane	1000 ug/mL
							Bromoform	1000 ug/mL
							Carbon tetrachloride	1000 ug/mL
							Chlorobenzene	1000 ug/mL
							Chloroform	1000 ug/mL
							cis-1,2-Dichloroethene	1000 ug/mL
							cis-1,3-Dichloropropene	1000 ug/mL
							Dibromochloromethane	1000 ug/mL
							Dibromomethane	1000 ug/mL
							Ethylbenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Isopropylbenzene	1000 ug/mL
							m-Xylene & p-Xylene	2000 ug/mL
							Methylene Chloride	1000 ug/mL
							n-Butylbenzene	1000 ug/mL
							N-Propylbenzene	1000 ug/mL
							Naphthalene	1000 ug/mL
							o-Xylene	1000 ug/mL
							sec-Butylbenzene	1000 ug/mL
							Styrene	1000 ug/mL
							tert-Butylbenzene	1000 ug/mL
							Tetrachloroethene	1000 ug/mL
							Toluene	1000 ug/mL
							trans-1,2-Dichloroethene	1000 ug/mL
							trans-1,3-Dichloropropene	1000 ug/mL
							Trichloroethene	1000 ug/mL
					MSV_MegaMix#2_00201	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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3-Chloro-1-propene	1000 ug/mL
							Acrylonitrile	2500 ug/mL
							Benzyl chloride	1000 ug/mL
							Carbon disulfide	1000 ug/mL
							Cyclohexane	1000 ug/mL
							Ethyl methacrylate	1000 ug/mL
							Hexane	1000 ug/mL
							Iodomethane	1000 ug/mL
							Isobutyl alcohol	12500 ug/mL
							Isopropyl ether	1000 ug/mL
							Methacrylonitrile	2500 ug/mL
							Methyl acetate	1000 ug/mL
							Methyl methacrylate	1000 ug/mL
							Methyl tert-butyl ether	1000 ug/mL
							Methylcyclohexane	1000 ug/mL
							n-Butanol	12500 ug/mL
							n-Heptane	1000 ug/mL
							Propionitrile	5000 ug/mL
							Tert-amyl methyl ether	1000 ug/mL
							Tert-butyl ethyl ether	1000 ug/mL
							Tetrahydrofuran	5000 ug/mL
							trans-1,4-Dichloro-2-butene	2500 ug/mL
..MSV_MegaMIX#1_00205	11/13/24		Restek, Lot A0211483		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	5000 ug/mL
							1,1,1-Trichloroethane	5000 ug/mL
							1,1,2,2-Tetrachloroethane	5000 ug/mL
							1,1,2-Trichloroethane	5000 ug/mL
							1,1-Dichloroethane	5000 ug/mL
							1,1-Dichloroethene	5000 ug/mL
							1,1-Dichloropropene	5000 ug/mL
							1,2,3-Trichlorobenzene	5000 ug/mL
							1,2,3-Trichloropropane	5000 ug/mL
							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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isopropyl ether	5000 ug/mL
							Methacrylonitrile	12500 ug/mL
							Methyl acetate	5000 ug/mL
							Methyl methacrylate	5000 ug/mL
							Methyl tert-butyl ether	5000 ug/mL
							Methylcyclohexane	5000 ug/mL
							n-Butanol	62500 ug/mL
							n-Heptane	5000 ug/mL
							Propionitrile	25000 ug/mL
							Tert-amyl methyl ether	5000 ug/mL
							Tert-butyl ethyl ether	5000 ug/mL
							Tetrahydrofuran	25000 ug/mL
							trans-1,4-Dichloro-2-butene	12500 ug/mL
.MSV_CCV_VOC#3_00202	11/13/24	10/14/24	Methanol, Lot EH471	5 mL	MSV_CCV_ACR_00023	0.5 mL	Acrolein	12526.6 ug/mL
					MSV_V_Ketones_00201	1 mL	2-Butanone (MEK)	2500 ug/mL
							2-Hexanone	2500 ug/mL
							4-Methyl-2-pentanone (MIBK)	2500 ug/mL
							Acetone	2500 ug/mL
..MSV_CCV_ACR_00023	11/25/24	09/26/24	Methanol, Lot EH471	10 mL	MSV_VACR_STK_00043	8.846 mL	Acrolein	125266 ug/mL
...MSV_VACR_STK_00043	11/25/24	09/26/24	Methanol, Lot EH471	10 mL	MSV_ACROLEIN_00035	1.5243 g	Acrolein	141607 ug/mL
....MSV_ACROLEIN_00035	01/31/25	Chem Service, Lot 15493200			(Purchased Reagent)		Acrolein	0.929 g/g
..MSV_V_Ketones_00201	04/30/27	Restek, Lot A0210935			(Purchased Reagent)		2-Butanone (MEK)	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone (MIBK)	12500 ug/mL
							Acetone	12500 ug/mL
.MSV_V_VOA2_00258	11/13/24	10/14/24	Methanol, Lot EH471	5 mL	MSV_V#2B_00395	1 mL	1,4-Dioxane	12500 ug/mL
							2-Methyl-2-propanol	5000 ug/mL
							Isobutyl alcohol	12500 ug/mL
							Methacrylonitrile	2500 ug/mL
							n-Butanol	25000 ug/mL
							Propionitrile	5000 ug/mL
							trans-1,4-Dichloro-2-butene	2500 ug/mL
..MSV_V#2B_00395	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_#2_826_00140	06/18/24	06/02/24	Methanol, Lot EH822	1 mL	CCV_ETBR_00007	50 uL	Ethyl bromide	50.085 ug/mL
					MSV_BCE_00067	25 uL	1-Bromo-2-chloroethane	50 ug/mL
					MSV_CCV_EE_00007	50 uL	Ethyl ether	49.9948 ug/mL
					MSV_V_PentaCL_00048	10 uL	Pentachloroethane	50 ug/mL
.CCV_ETBR_00007	11/08/24	05/08/24	Methanol, Lot EH471	10 mL	MSV_VETBR_STK_00016	0.212 mL	Ethyl bromide	1001.7 ug/mL
..MSV_VETBR_STK_00016	11/08/24	05/08/24	Methanol, Lot EH471	10 mL	MSV_EtBr_00009	0.4725 g	Ethyl bromide	47250 ug/mL
...MSV_EtBr_00009	06/30/25	Chem Service, Lot 13345600			(Purchased Reagent)		Ethyl bromide	1 g/g

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.MSV_BCE_00067	06/18/24		Restek, Lot A0201612		(Purchased Reagent)		1-Bromo-2-chloroethane	2000 ug/mL
.MSV_CCV_EE_00007	11/07/24	05/07/24	Methanol, Lot EH471	50 mL	MSV_EE_MISCSK_00014	0.917 mL	Ethyl ether	999.897 ug/mL
..MSV_EE_MISCSK_00014	11/07/24	05/07/24	Methanol, Lot EH471	10 mL	MSV_EE_Neat_00011	0.5452 g	Ethyl ether	54520 ug/mL
...MSV_EE_Neat_00011	06/30/27		Chem Service, Lot 14084700		(Purchased Reagent)		Ethyl ether	1 g/g
.MSV_V_PentaCL_00048	06/27/24		Restek, Lot A0184174		(Purchased Reagent)		Pentachloroethane	5000 ug/mL
MSV_LL_#2_826_00149	08/28/24	08/19/24	Methanol, Lot EH822	1 mL	CCV_ETBR_00007	50 uL	Ethyl bromide	50.085 ug/mL
					MSV_BCE_00072	25 uL	1-Bromo-2-chloroethane	50 ug/mL
					MSV_CCV_EE_00007	50 uL	Ethyl ether	49.9948 ug/mL
					MSV_V_PentaCL_00050	10 uL	Pentachloroethane	50 ug/mL
.CCV_ETBR_00007	11/08/24	05/08/24	Methanol, Lot EH471	10 mL	MSV_VETBR_STK_00016	0.212 mL	Ethyl bromide	1001.7 ug/mL
..MSV_VETBR_STK_00016	11/08/24	05/08/24	Methanol, Lot EH471	10 mL	MSV_EtBr_00009	0.4725 g	Ethyl bromide	47250 ug/mL
...MSV_EtBr_00009	06/30/25		Chem Service, Lot 13345600		(Purchased Reagent)		Ethyl bromide	1 g/g
.MSV_BCE_00072	09/10/24		Restek, Lot A0201612		(Purchased Reagent)		1-Bromo-2-chloroethane	2000 ug/mL
.MSV_CCV_EE_00007	11/07/24	05/07/24	Methanol, Lot EH471	50 mL	MSV_EE_MISCSK_00014	0.917 mL	Ethyl ether	999.897 ug/mL
..MSV_EE_MISCSK_00014	11/07/24	05/07/24	Methanol, Lot EH471	10 mL	MSV_EE_Neat_00011	0.5452 g	Ethyl ether	54520 ug/mL
...MSV_EE_Neat_00011	06/30/27		Chem Service, Lot 14084700		(Purchased Reagent)		Ethyl ether	1 g/g
.MSV_V_PentaCL_00050	08/28/24		Restek, Lot A0184174		(Purchased Reagent)		Pentachloroethane	5000 ug/mL
MSV_LL_#2_826_00157	10/25/24	10/14/24	Methanol, Lot EH822	1 mL	CCV_ETBR_00007	50 uL	Ethyl bromide	50.085 ug/mL
					MSV_BCE_00077	25 uL	1-Bromo-2-chloroethane	50 ug/mL
					MSV_CCV_EE_00007	50 uL	Ethyl ether	49.9948 ug/mL
					MSV_V_PentaCL_00071	10 uL	Pentachloroethane	50 ug/mL
.CCV_ETBR_00007	11/08/24	05/08/24	Methanol, Lot EH471	10 mL	MSV_VETBR_STK_00016	0.212 mL	Ethyl bromide	1001.7 ug/mL
..MSV_VETBR_STK_00016	11/08/24	05/08/24	Methanol, Lot EH471	10 mL	MSV_EtBr_00009	0.4725 g	Ethyl bromide	47250 ug/mL
...MSV_EtBr_00009	06/30/25		Chem Service, Lot 13345600		(Purchased Reagent)		Ethyl bromide	1 g/g
.MSV_BCE_00077	11/06/24		Restek, Lot A0201612		(Purchased Reagent)		1-Bromo-2-chloroethane	2000 ug/mL
.MSV_CCV_EE_00007	11/07/24	05/07/24	Methanol, Lot EH471	50 mL	MSV_EE_MISCSK_00014	0.917 mL	Ethyl ether	999.897 ug/mL
..MSV_EE_MISCSK_00014	11/07/24	05/07/24	Methanol, Lot EH471	10 mL	MSV_EE_Neat_00011	0.5452 g	Ethyl ether	54520 ug/mL
...MSV_EE_Neat_00011	06/30/27		Chem Service, Lot 14084700		(Purchased Reagent)		Ethyl ether	1 g/g
.MSV_V_PentaCL_00071	10/25/24		Restek, Lot A0197490		(Purchased Reagent)		Pentachloroethane	5000 ug/mL
MSV_LL_GAS826_00214	06/17/24	06/10/24	Methanol, Lot EH822	1 mL	MSV_CCV_GASES_00796	25 uL	1,2-Dichloro-1,1,2-trifluoroethane	50 ug/mL
							Bromomethane	50 ug/mL
							Butadiene	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Dichlorodifluoromethane	50 ug/mL
							Dichlorofluoromethane	50 ug/mL
							Trichlorofluoromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
.MSV_CCV_GASES_00796	06/17/24		Restek, Lot A0198362		(Purchased Reagent)		1,2-Dichloro-1,1,2-trifluoroethane	2000 ug/mL
							Bromomethane	2000 ug/mL
							Butadiene	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dichlorofluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MSV_LL_GAS826_00229	08/30/24	08/25/24	Methanol, Lot EH822	1 mL	MSV_CCV_GASES_00848	25 uL	1,2-Dichloro-1,1,2-trifluoroethane	50 ug/mL
							Bromomethane	50 ug/mL
							Butadiene	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Dichlorodifluoromethane	50 ug/mL
							Dichlorofluoromethane	50 ug/mL
							Trichlorofluoromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
.MSV_CCV_GASES_00848	08/30/24		Restek, Lot A0212054		(Purchased Reagent)		1,2-Dichloro-1,1,2-trifluoroethane	2000 ug/mL
							Bromomethane	2000 ug/mL
							Butadiene	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Dichlorofluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MSV_LL_GAS826_00238	10/21/24	10/14/24	Methanol, Lot EH822	1 mL	MSV_CCV_GASES_00887	25 uL	1,2-Dichloro-1,1,2-trifluoroethane	50 ug/mL
							Bromomethane	50 ug/mL
							Butadiene	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Dichlorodifluoromethane	50 ug/mL
							Dichlorofluoromethane	50 ug/mL
							Trichlorofluoromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
.MSV_CCV_GASES_00887	10/21/24		Restek, Lot A0212054		(Purchased Reagent)		1,2-Dichloro-1,1,2-trifluoroethane	2000 ug/mL
							Bromomethane	2000 ug/mL
							Butadiene	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Dichlorofluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MSV_LL_GAS826_00239	10/24/24	10/17/24	Methanol, Lot EH822	1 mL	MSV_CCV_GASES_00866	25 uL	Bromomethane	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Vinyl chloride	50 ug/mL
.MSV_CCV_GASES_00866	10/24/24		Restek, Lot A0212054		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MSV_LL_GAS826_00240	11/01/24	10/25/24	Methanol, Lot EH822	1 mL	MSV_CCV_GASES_00902	25 uL	Bromomethane	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
.MSV_CCV_GASES_00902	11/01/24		Restek, Lot A0212054		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MSV_LLcentISO_00009	12/17/24	08/12/24	Methanol, Lot EH822	50 mL	MSV_Cus826_IS_00791	1 mL	1,4-Dichlorobenzene-d4	50 ug/mL
							Chlorobenzene-d5 (IS)	50 ug/mL
							Fluorobenzene (IS)	50 ug/mL
							t-Butyl alcohol-d10 (IS)	250 ug/mL
.MSV_Cus826_IS_00791	04/30/26		Restek, Lot A0197488		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5 (IS)	2500 ug/mL
							Fluorobenzene (IS)	2500 ug/mL
							t-Butyl alcohol-d10 (IS)	12500 ug/mL
MSV_LLcentISS_00013	12/17/24	06/17/24	Methanol, Lot EH822	50 mL	MSV_Cus826_IS_00791	1 mL	1,4-Dichlorobenzene-d4	50 ug/mL
							Chlorobenzene-d5 (IS)	50 ug/mL
							Fluorobenzene (IS)	50 ug/mL
							t-Butyl alcohol-d10 (IS)	250 ug/mL
.MSV_Cus826_IS_00791	04/30/26		Restek, Lot A0197488		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5 (IS)	2500 ug/mL
							Fluorobenzene (IS)	2500 ug/mL
							t-Butyl alcohol-d10 (IS)	12500 ug/mL
MSV_LLcentISS_00013	12/17/24	06/17/24	Methanol, Lot EH822	50 mL	MSV_8260_SS_01219	1 mL	1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene (Surr)	50 ug/mL
							Dibromofluoromethane (Surr)	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
.MSV_8260_SS_01219	01/31/29		Restek, Lot A0206374		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
MSV_LLcentISS_00014	03/24/25	09/24/24	Methanol, Lot EH822	50 mL	MSV_8260_SS_01286	1 mL	1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene (Surr)	50 ug/mL
							Dibromofluoromethane (Surr)	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
					MSV_Cus826_IS_00804	1 mL	1,4-Dichlorobenzene-d4	50 ug/mL
							Chlorobenzene-d5 (IS)	50 ug/mL
							Fluorobenzene (IS)	50 ug/mL
							t-Butyl alcohol-d10 (IS)	250 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.MSV_8260_SS_01286	04/30/29		Restek, Lot A0209669		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
.MSV_Cus826_IS_00804	04/30/26		Restek, Lot A0197488		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5 (IS)	2500 ug/mL
							Fluorobenzene (IS)	2500 ug/mL
							t-Butyl alcohol-d10 (IS)	12500 ug/mL
MSV_QC_Gas826_00201	06/16/24	06/10/24	Methanol, Lot EH822	1 mL	MSV_QC_2K_GAS_00160	20 uL	Bromomethane	40 ug/mL
							Chloroethane	40 ug/mL
							Chloromethane	40 ug/mL
							Vinyl chloride	40 ug/mL
.MSV_QC_2K_GAS_00160	06/16/24		Restek, Lot A0184924		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MSV_QC_Gas826_00216	09/01/24	08/26/24	Methanol, Lot EH822	1 mL	MSV_QC_2K_GAS_00233	20 uL	Bromomethane	40 ug/mL
							Chloroethane	40 ug/mL
							Chloromethane	40 ug/mL
							Vinyl chloride	40 ug/mL
.MSV_QC_2K_GAS_00233	09/01/24		Restek, Lot A0184924		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MSV_QC_Gas826_00226	10/21/24	10/14/24	Methanol, Lot EH822	1 mL	MSV_QC_2K_GAS_00276	20 uL	Bromomethane	40 ug/mL
							Chloroethane	40 ug/mL
							Chloromethane	40 ug/mL
							Vinyl chloride	40 ug/mL
.MSV_QC_2K_GAS_00276	10/21/24		Restek, Lot A0211460		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MSV_QC_Gas826_00227	10/28/24	10/21/24	Methanol, Lot EH822	1 mL	MSV_QC_2K_GAS_00275	20 uL	Bromomethane	40 ug/mL
							Chloroethane	40 ug/mL
							Chloromethane	40 ug/mL
							Vinyl chloride	40 ug/mL
.MSV_QC_2K_GAS_00275	10/28/24		Restek, Lot A0211460		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MSV_QC_Gas826_00228	11/04/24	10/29/24	Methanol, Lot EH822	1 mL	MSV_QC_2K_GAS_00273	20 uL	Bromomethane	40 ug/mL
							Chloroethane	40 ug/mL
							Chloromethane	40 ug/mL
							Vinyl chloride	40 ug/mL
.MSV_QC_2K_GAS_00273	11/04/24		Restek, Lot A0211460		(Purchased Reagent)		Bromomethane	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MSV_V_BFB_00017							1,2-Dichloroethene, Total	
							1,3-Dichloropropene, Total	
							Tentatively Identified Compound	
							Xylenes, Total	
					MSV_VBFB_STK_00012	0.09 mL	BFB	50.112 ug/mL
.MSV_VBFB_STK_00012	12/02/24	06/02/24	Methanol, Lot EH471	10 mL	MSV_4BFB_NEAT_00011	1.392 g	BFB	139200 ug/mL
..MSV_4BFB_NEAT_00011	05/31/25	Chem Service, Lot 15267000			(Purchased Reagent)		BFB	1 g/g
MSV_V_SMRV4_00071	06/18/24	05/20/24	Methanol, Lot EH822	1 mL	MSV_CCV_2CEVE_00176	200 uL	2-Chloroethyl vinyl ether	200 ug/mL
					MSV_CCV_LKB_00009	400 uL	cis-1,4-Dichloro-2-butene	400.14 ug/mL
					MSV_V_SMFreon_00039	100 uL	Chlorodifluoromethane	200 ug/mL
.MSV_CCV_2CEVE_00176	06/18/24	05/19/24	Methanol, Lot EH471	5 mL	MSV_V_2CLEVE_00184	1 mL	2-Chloroethyl vinyl ether	1000 ug/mL
..MSV_V_2CLEVE_00184	04/30/26	Restek, Lot A0197472			(Purchased Reagent)		2-Chloroethyl vinyl ether	5000 ug/mL
.MSV_CCV_LKB_00009	06/19/24	12/21/23	Methanol, Lot EG095	50 mL	MSV_Vc14d_STK_00010	0.81 mL	cis-1,4-Dichloro-2-butene	1000.35 ug/mL
..MSV_Vc14d_STK_00010	06/19/24	12/19/23	Methanol, Lot EG095	10 mL	MSV_c14dcb_Nt_00004	0.65 g	cis-1,4-Dichloro-2-butene	61750 ug/mL
...MSV_c14dcb_Nt_00004	08/16/27	Aldrich, Lot SHBH4584V			(Purchased Reagent)		cis-1,4-Dichloro-2-butene	0.95 g/g
.MSV_V_SMFreon_00039	06/19/24	Restek, Lot A0184508			(Purchased Reagent)		Chlorodifluoromethane	2000 ug/mL
MSV_V_SMRV4_00078	11/06/24	10/14/24	Methanol, Lot EH822	1 mL	MSV_CCV_2CEVE_00197	200 uL	2-Chloroethyl vinyl ether	200 ug/mL
					MSV_CCV_LKB_00011	400 uL	cis-1,4-Dichloro-2-butene	399.946 ug/mL
					MSV_V_SMFreon_00069	100 uL	Chlorodifluoromethane	200 ug/mL
.MSV_CCV_2CEVE_00197	11/13/24	10/14/24	Methanol, Lot EH471	5 mL	MSV_V_2CLEVE_00201	1 mL	2-Chloroethyl vinyl ether	1000 ug/mL
..MSV_V_2CLEVE_00201	05/31/27	Restek, Lot A0211425			(Purchased Reagent)		2-Chloroethyl vinyl ether	5000 ug/mL
.MSV_CCV_LKB_00011	12/13/24	09/06/24	Methanol, Lot EH471	50 mL	MSV_Vc14d_STK_00011	1.233 mL	cis-1,4-Dichloro-2-butene	999.864 ug/mL
..MSV_Vc14d_STK_00011	12/13/24	06/13/24	Methanol, Lot EH471	10 mL	MSV_c14dcb_Nt_00004	0.4268 g	cis-1,4-Dichloro-2-butene	40546 ug/mL
...MSV_c14dcb_Nt_00004	08/16/27	Aldrich, Lot SHBH4584V			(Purchased Reagent)		cis-1,4-Dichloro-2-butene	0.95 g/g
.MSV_V_SMFreon_00069	11/06/24	Restek, Lot A0197864			(Purchased Reagent)		Chlorodifluoromethane	2000 ug/mL

Reagent

MSV_8260_SS_01260

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

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 30240 **Lot No.:** A0206374

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 : January 31, 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%	2,500.8 µg/mL	+/- 140.4813
2	1,2-Dichloroethane-d4	17060-07-0	PR-33313	99%	2,500.8 µg/mL	+/- 140.4813
3	Toluene-d8	2037-26-5	PR-34141	99%	2,501.0 µg/mL	+/- 140.4953
4	1-Bromo-4-fluorobenzene (BFB)	460-00-4	0000194533	99%	2,500.5 µg/mL	+/- 140.4672

* 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.)

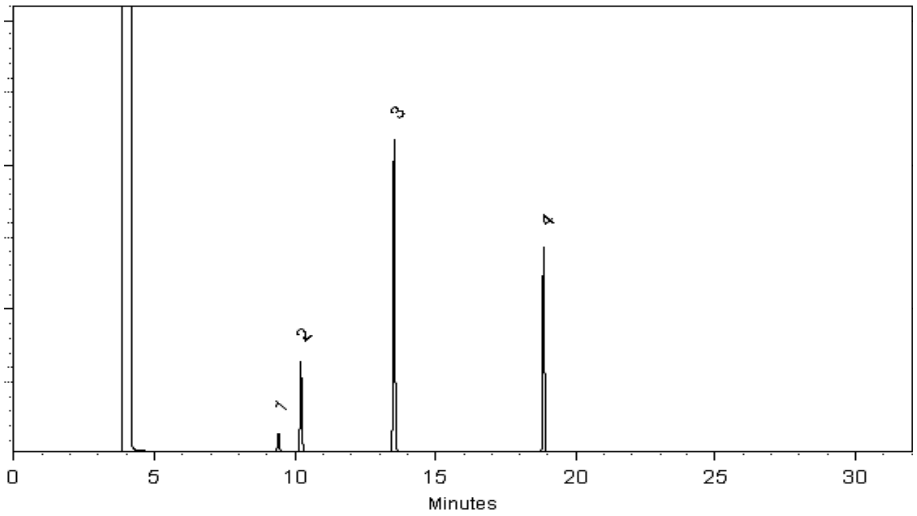
Inj. Temp:
200°C

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.

Michael Maye - Operations Tech I

Date Mixed: 09-Jan-2024 **Balance Serial #** 1128342314

Dillan Murphy - Operations Technician I

Date Passed: 11-Jan-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:

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_AcetatesV_00063

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Fax: 1-814-353-1309

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

Description : Custom Acetates Standard

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

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

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

Ship: On Ice

CERTIFIED VALUES

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

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

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

Tech Tips:

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

immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

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

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

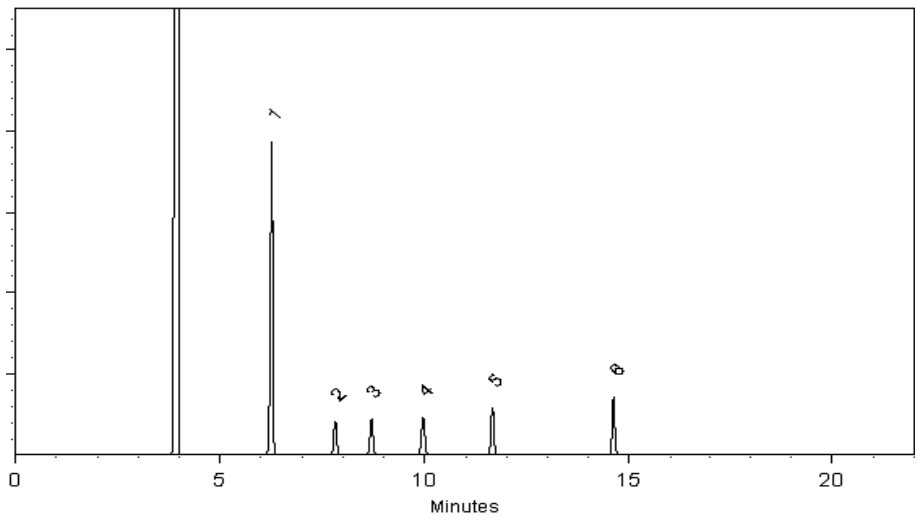
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
0.2µl



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

Brittany Federinko - Operations Tech I

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

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-May-2023

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_AcetatesV_00067

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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

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Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

Description : Custom Acetates Standard

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

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

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

Ship: On Ice

CERTIFIED VALUES

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

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

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

Tech Tips:

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

immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

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

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

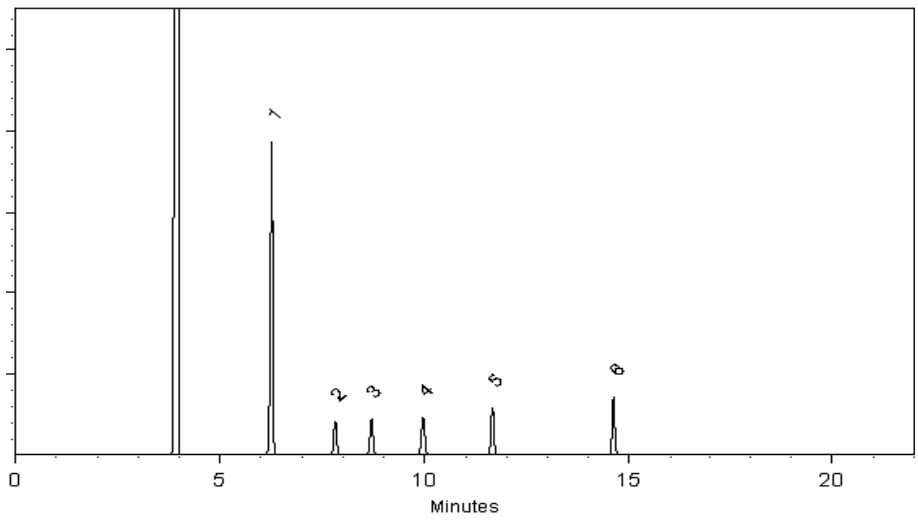
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
0.2µl



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

Brittany Federinko - Operations Tech I

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

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-May-2023

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_BCE_00067

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

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Certificate of Analysis

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

Description : 1-Bromo-2-chloroethane Standard

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

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

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

Ship: Ambient

CERTIFIED VALUES

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

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

Solvent: P&T Methanol

CAS # 67-56-1

Purity 99%

Quality Confirmation Test

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

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

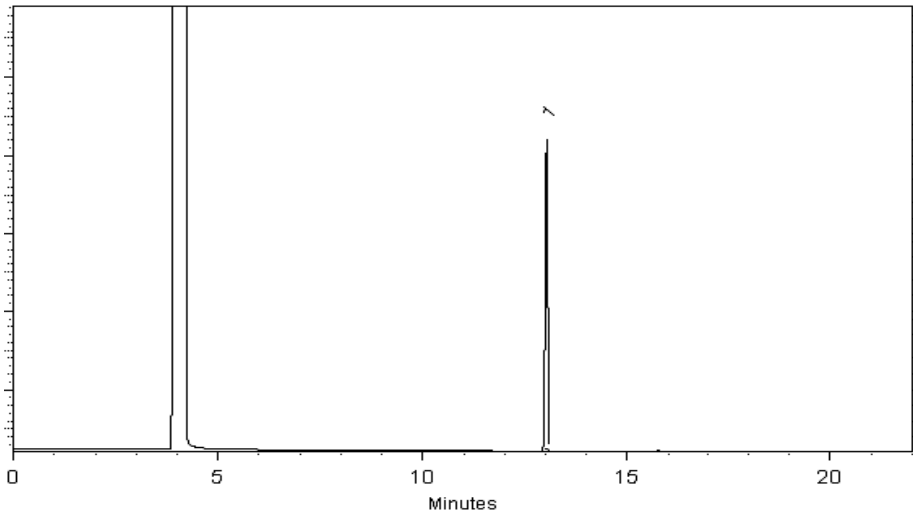
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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

Morgan Craighead - Mix Technician

Date Mixed: 31-Aug-2023 **Balance Serial #** 1128342314

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 06-Sep-2023

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_BCE_00072

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

Description : 1-Bromo-2-chloroethane Standard

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

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

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

Ship: Ambient

CERTIFIED VALUES

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

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

Solvent: P&T Methanol

CAS # 67-56-1

Purity 99%

Quality Confirmation Test

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

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

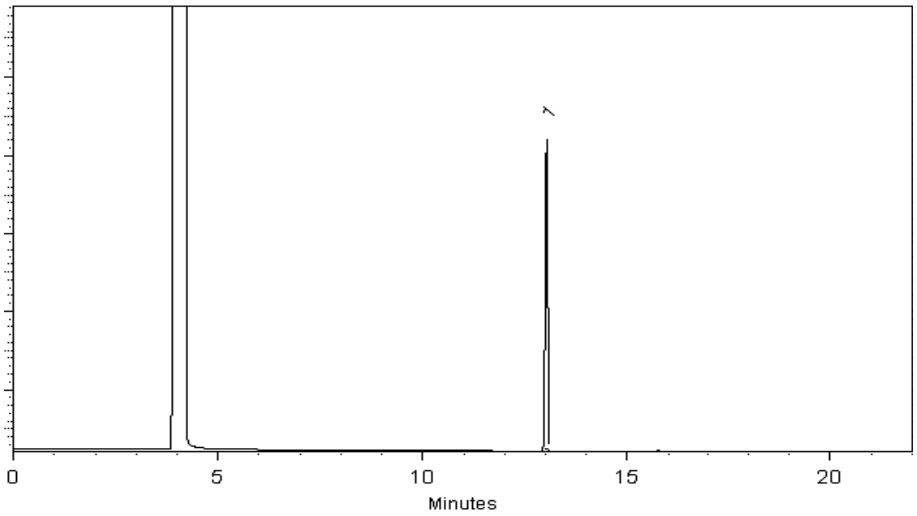
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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

Morgan Craighead - Mix Technician

Date Mixed: 31-Aug-2023 **Balance Serial #** 1128342314

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 06-Sep-2023

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_BCE_00077

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Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

Description : 1-Bromo-2-chloroethane Standard

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

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

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

Ship: Ambient

CERTIFIED VALUES

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

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

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

Quality Confirmation Test

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

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

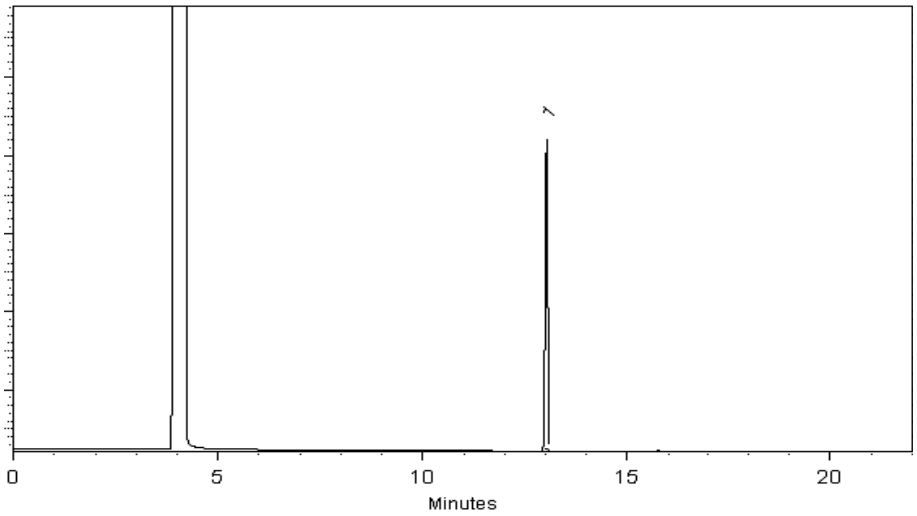
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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

Morgan Craighead - Mix Technician

Date Mixed: 31-Aug-2023 **Balance Serial #** 1128342314

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 06-Sep-2023

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_c14dcb_Nt_00004

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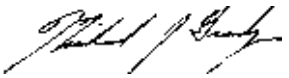
Certificate of Analysis

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



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

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



Michael Grady, Manager
Quality Control
Sheboygan Falls, WI US

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

Reagent

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 577488.SEC **Lot No.:** A0198362

Description : Custom Gases.SEC Standard

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

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

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

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8.SEC	28302	99%	2,022.9 µg/mL	+/- 114.4940
2	Chloromethane (methyl chloride)	74-87-3.SEC	00016950	99%	2,009.4 µg/mL	+/- 115.4190
3	Vinyl chloride	75-01-4.SEC	MKBK6872V	99%	2,006.2 µg/mL	+/- 119.0209
4	1,3-Butadiene	106-99-0.SEC	26996	99%	2,017.4 µg/mL	+/- 116.8330
5	Bromomethane (methyl bromide)	74-83-9.SEC	00017022	99%	1,969.1 µg/mL	+/- 113.1320
6	Chloroethane (ethyl chloride)	75-00-3.SEC	00004202	98%	2,016.5 µg/mL	+/- 118.1750
7	Dichlorofluoromethane (CFC-21)	75-43-4 *	14150400	90%	2,004.0 µg/mL	+/- 112.5874
8	Trichlorofluoromethane (CFC-11)	75-69-4.SEC	00010739	99%	2,006.7 µg/mL	+/- 112.7372
9	1,2-Dichloro-1,1,2-trifluoroethane (CFC-123a)	354-23-4 *	Q9B-64	99%	2,007.1 µg/mL	+/- 117.6271

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

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

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

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

Quality Confirmation Test

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

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

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

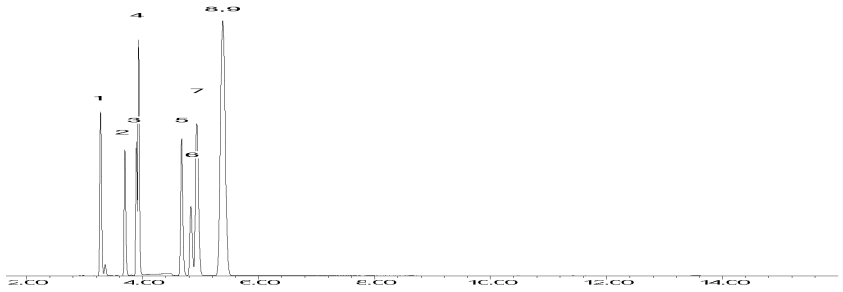
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



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

Matt Fragassi - Mix Technician

Date Mixed: 23-May-2023 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 26-May-2023

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_CCV_GASES_00848

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Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 577488 **Lot No.:** A0212054

Description : Custom Gases Standard

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

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

Expiration Date : May 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00022922	99%	2,016.7 µg/mL	+/- 114.0219
2	Chloromethane (methyl chloride)	74-87-3	SHBP8835	99%	2,015.3 µg/mL	+/- 115.0747
3	Vinyl chloride	75-01-4	00015559	99%	2,015.3 µg/mL	+/- 115.4962
4	1,3-Butadiene	106-99-0	00019375	99%	2,020.7 µg/mL	+/- 114.1301
5	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,025.3 µg/mL	+/- 114.3368
6	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,023.4 µg/mL	+/- 114.7120
7	Dichlorofluoromethane (CFC-21)	75-43-4	14485600	90%	2,019.6 µg/mL	+/- 113.4524
8	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,020.0 µg/mL	+/- 113.4748
9	1,2-Dichloro-1,1,2-trifluoroethane (CFC-123a)	354-23-4	877500	99%	2,021.2 µg/mL	+/- 114.0989

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

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

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

Quality Confirmation Test

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

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

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

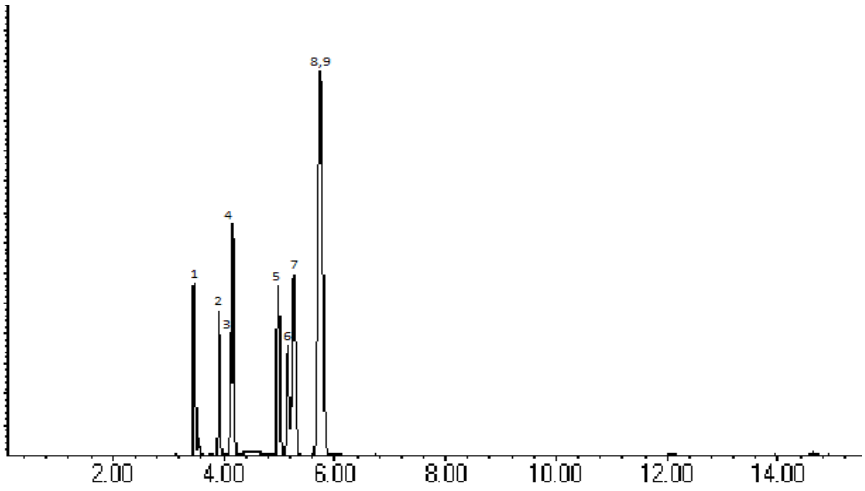
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



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

Brittany Federinko - Operations Tech I

Date Mixed: 28-May-2024 **Balance Serial #** B251644995

Dillan Murphy - Operations Technician I

Date Passed: 03-Jun-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:

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_CCV_GASES_00866

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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 577488 **Lot No.:** A0212054

Description : Custom Gases Standard

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

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

Expiration Date : May 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00022922	99%	2,016.7 µg/mL	+/- 114.0219
2	Chloromethane (methyl chloride)	74-87-3	SHBP8835	99%	2,015.3 µg/mL	+/- 115.0747
3	Vinyl chloride	75-01-4	00015559	99%	2,015.3 µg/mL	+/- 115.4962
4	1,3-Butadiene	106-99-0	00019375	99%	2,020.7 µg/mL	+/- 114.1301
5	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,025.3 µg/mL	+/- 114.3368
6	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,023.4 µg/mL	+/- 114.7120
7	Dichlorofluoromethane (CFC-21)	75-43-4	14485600	90%	2,019.6 µg/mL	+/- 113.4524
8	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,020.0 µg/mL	+/- 113.4748
9	1,2-Dichloro-1,1,2-trifluoroethane (CFC-123a)	354-23-4	877500	99%	2,021.2 µg/mL	+/- 114.0989

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

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

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

Quality Confirmation Test

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

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

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

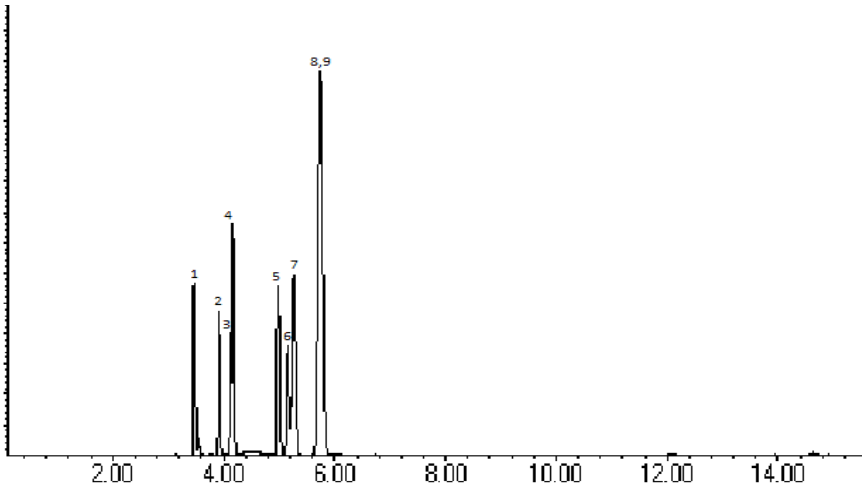
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



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

Brittany Federinko - Operations Tech I

Date Mixed: 28-May-2024 **Balance Serial #** B251644995

Dillan Murphy - Operations Technician I

Date Passed: 03-Jun-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:

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_Cus826_IS_00642

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ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 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.)

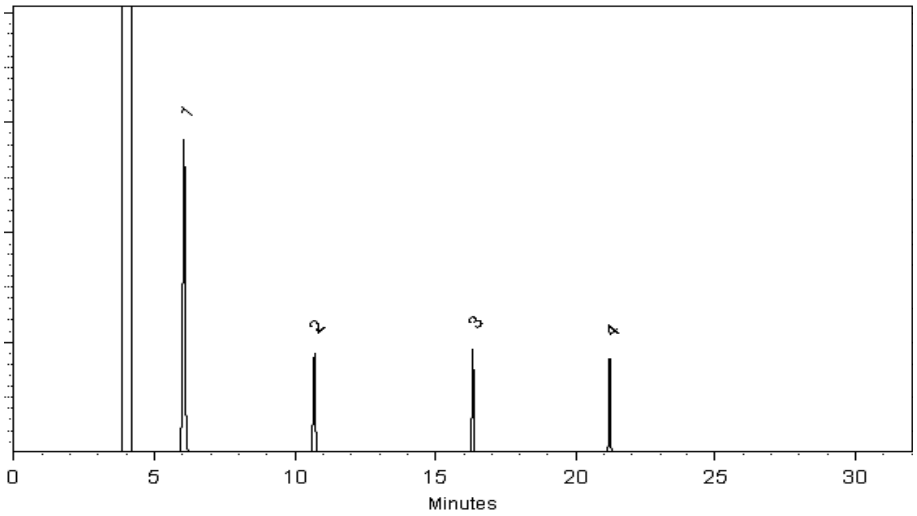
Inj. Temp:
200°C

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:

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_Cus826_IS_00764

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

Description : Custom 8260A IS Mix

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

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

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

Ship: Ambient

CERTIFIED VALUES

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

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

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

Quality Confirmation Test

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

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

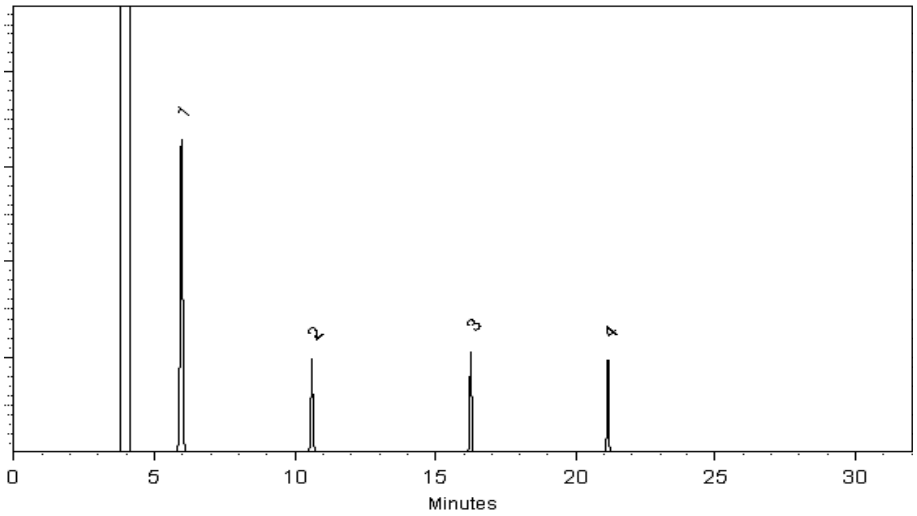
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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

Daniel Wasson - Operations Tech I

Date Mixed: 26-Apr-2023 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 02-May-2023

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_Cus826_IS_00775

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CERTIFIED REFERENCE MATERIAL

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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

Description : Custom 8260A IS Mix

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

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

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

Ship: Ambient

CERTIFIED VALUES

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

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

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

Quality Confirmation Test

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

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

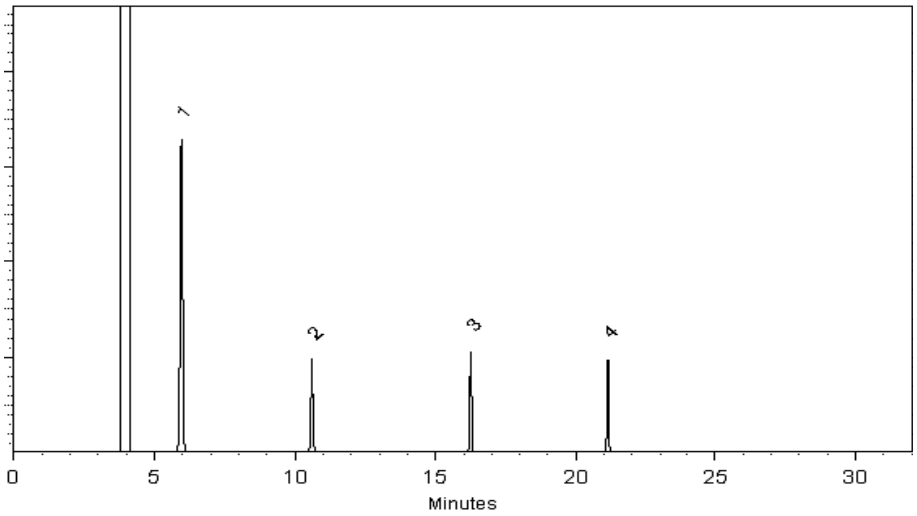
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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

Daniel Wasson - Operations Tech I

Date Mixed: 26-Apr-2023 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 02-May-2023

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_Cus826_IS_00791

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CERTIFIED REFERENCE MATERIAL

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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

Description : Custom 8260A IS Mix

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

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

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

Ship: Ambient

CERTIFIED VALUES

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

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

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

Quality Confirmation Test

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

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

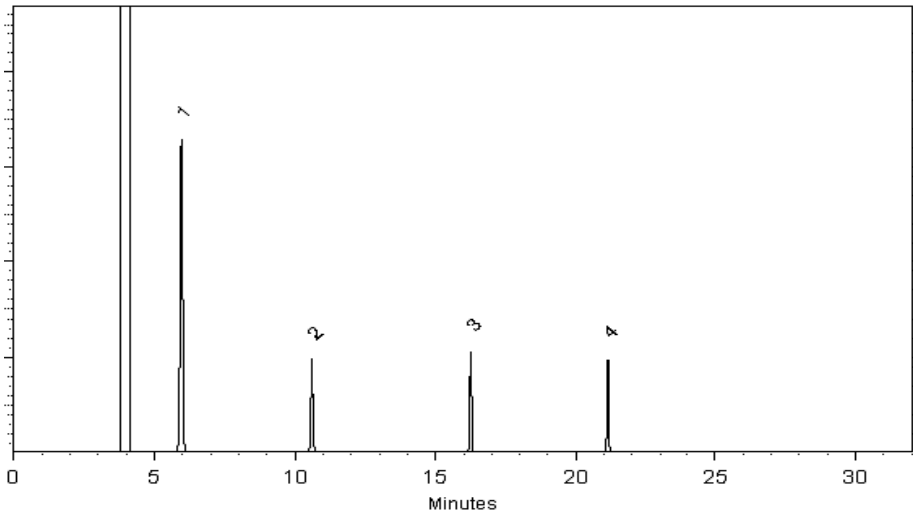
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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

Daniel Wasson - Operations Tech I

Date Mixed: 26-Apr-2023 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 02-May-2023

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_Cus826_IS_00804

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

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ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

Description : Custom 8260A IS Mix

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

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

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

Ship: Ambient

CERTIFIED VALUES

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

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

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

Quality Confirmation Test

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

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

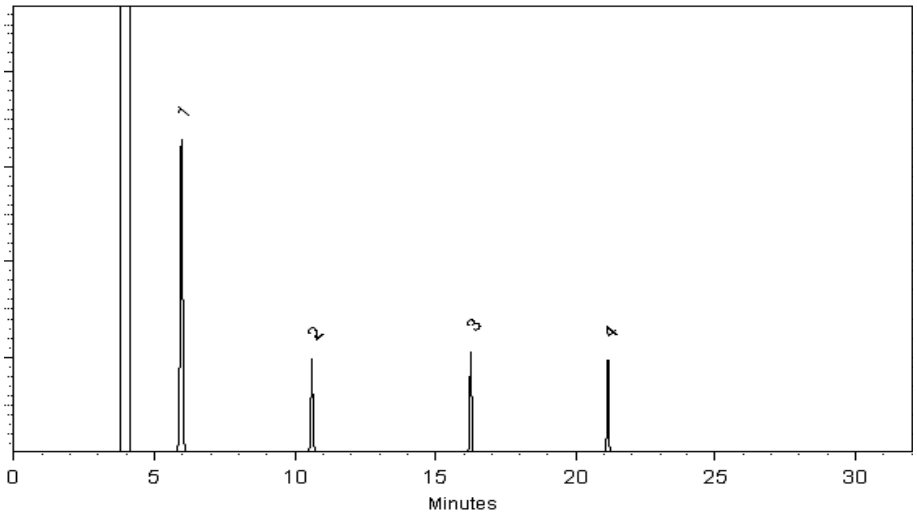
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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

Daniel Wasson - Operations Tech I

Date Mixed: 26-Apr-2023 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 02-May-2023

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_DME_00055

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Certificate of Analysis

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Reference Material Producer
Certificate #3222.01

ilac-MRA

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

Description : Custom Dimethyl Ether Standard

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

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

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

Ship: Ambient

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

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

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

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

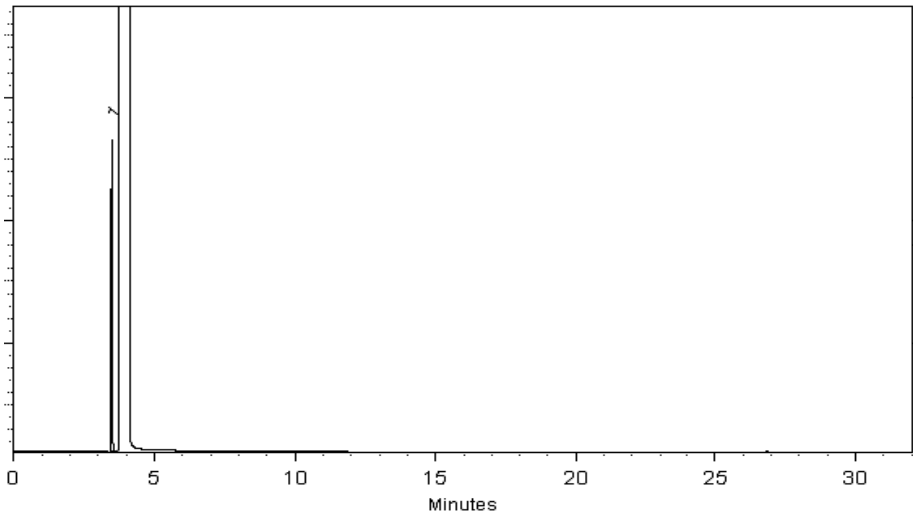
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



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

Cathleen Soltis - Mix Technician

Date Mixed: 24-Oct-2022 **Balance:** B707717271

Christie Mills - Operations Tech II - ARM QC

Date Passed: 01-Nov-2022

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

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CERTIFIED REFERENCE MATERIAL

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

Description : Custom Dimethyl Ether Standard

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

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

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

Ship: Ambient

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

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

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

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

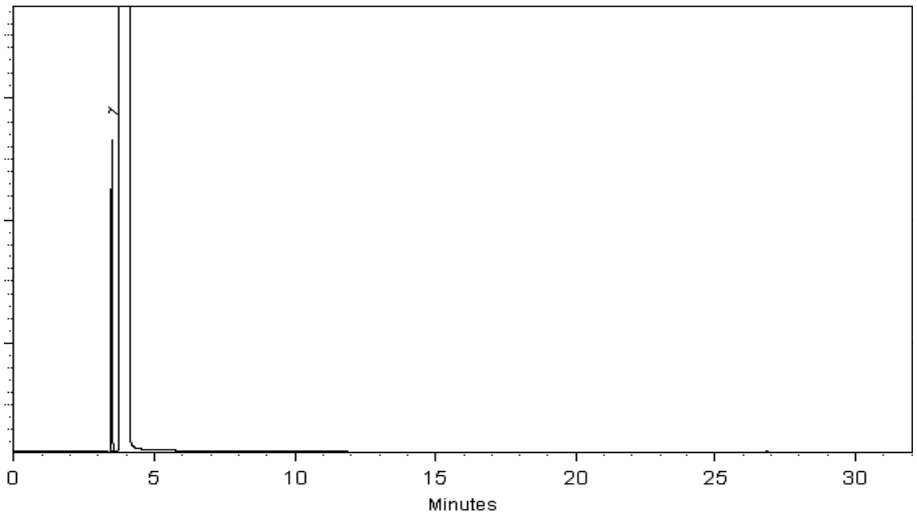
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



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

Cathleen Soltis - Mix Technician

Date Mixed: 24-Oct-2022 **Balance:** B707717271

Christie Mills - Operations Tech II - ARM QC

Date Passed: 01-Nov-2022

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_M_MIX1SEC_00200

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Certificate #3222.01

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ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

Description : Custom VOC MegaMix®.SEC #1 Standard

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

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

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

Ship: Ambient

CERTIFIED VALUES

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

17	Dibromomethane	74-95-3.SEC	MOKKJ	99%	1,004.5	µg/mL	+/- 57.0100
18	cis-1,3-Dichloropropene	10061-01-5.SEC	487OA	98%	1,004.8	µg/mL	+/- 57.0258
19	Toluene	108-88-3.SEC	YND2B-BD	99%	1,004.1	µg/mL	+/- 56.9839
20	trans-1,3-Dichloropropene	10061-02-6.SEC	ZDMSL	98%	1,006.1	µg/mL	+/- 57.0995
21	1,1,2-Trichloroethane	79-00-5.SEC	13547100	99%	1,003.8	µg/mL	+/- 56.9680
22	1,3-Dichloropropane	142-28-9.SEC	IQCON	99%	1,003.6	µg/mL	+/- 56.9544
23	Tetrachloroethene	127-18-4.SEC	F09W014	99%	1,003.9	µg/mL	+/- 56.9736
24	Dibromochloromethane	124-48-1.SEC	10234064	99%	1,003.9	µg/mL	+/- 56.9708
25	1,2-Dibromoethane (EDB)	106-93-4.SEC	050675P15E	99%	1,003.7	µg/mL	+/- 56.9646
26	Chlorobenzene	108-90-7.SEC	1161936	99%	1,004.0	µg/mL	+/- 56.9793
27	1,1,1,2-Tetrachloroethane	630-20-6.SEC	13789800	99%	1,003.4	µg/mL	+/- 56.9430
28	Ethylbenzene	100-41-4.SEC	XO5UA	99%	1,004.6	µg/mL	+/- 57.0111
29	m-Xylene	108-38-3.SEC	7ZV6F	99%	1,004.8	µg/mL	+/- 57.0225
30	p-Xylene	106-42-3.SEC	D6UOA	99%	1,004.6	µg/mL	+/- 57.0134
31	o-Xylene	95-47-6.SEC	UJ6RI	99%	1,005.4	µg/mL	+/- 57.0576
32	Styrene	100-42-5.SEC	QGQ7F	99%	1,003.8	µg/mL	+/- 56.9680
33	Isopropylbenzene (cumene)	98-82-8.SEC	7P24L	99%	1,005.3	µg/mL	+/- 57.0531
34	Bromoform	75-25-2.SEC	13723500	99%	1,003.9	µg/mL	+/- 56.9751
35	1,1,2,2-Tetrachloroethane	79-34-5.SEC	BCCD5088	99%	1,003.8	µg/mL	+/- 56.9680
36	1,2,3-Trichloropropane	96-18-4.SEC	6V2ED	99%	1,003.2	µg/mL	+/- 56.9339
37	n-Propylbenzene	103-65-1.SEC	XCGEC	99%	1,004.1	µg/mL	+/- 56.9861
38	Bromobenzene	108-86-1.SEC	8DKWJ	99%	1,004.2	µg/mL	+/- 56.9929
39	1,3,5-Trimethylbenzene	108-67-8.SEC	GI2SM	99%	1,004.3	µg/mL	+/- 56.9986
40	2-Chlorotoluene	95-49-8.SEC	BRHPM	99%	1,003.7	µg/mL	+/- 56.9612
41	4-Chlorotoluene	106-43-4.SEC	S5SKD	99%	1,004.6	µg/mL	+/- 57.0134
42	tert-Butylbenzene	98-06-6.SEC	D6OHC	99%	1,004.4	µg/mL	+/- 56.9998
43	1,2,4-Trimethylbenzene	95-63-6.SEC	JHZDD	99%	1,004.6	µg/mL	+/- 57.0111
44	sec-Butylbenzene	135-98-8.SEC	O4HRF	99%	1,005.1	µg/mL	+/- 57.0429
45	4-Isopropyltoluene (p-cymene)	99-87-6.SEC	13889300	98%	1,004.1	µg/mL	+/- 56.9877
46	1,3-Dichlorobenzene	541-73-1.SEC	ZA2ZI	99%	1,003.6	µg/mL	+/- 56.9580
47	1,4-Dichlorobenzene	106-46-7.SEC	J5GVD	99%	1,005.3	µg/mL	+/- 57.0517
48	n-Butylbenzene	104-51-8.SEC	MMPGA	99%	1,005.4	µg/mL	+/- 57.0599
49	1,2-Dichlorobenzene	95-50-1.SEC	R6QDM	99%	1,004.0	µg/mL	+/- 56.9779
50	1,2-Dibromo-3-chloropropane	96-12-8.SEC	Q135-105	99%	1,004.2	µg/mL	+/- 56.9929
51	1,2,4-Trichlorobenzene	120-82-1.SEC	3LYYC	99%	1,004.6	µg/mL	+/- 57.0145
52	Hexachlorobutadiene	87-68-3.SEC	13889400	97%	1,004.2	µg/mL	+/- 56.9930

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

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

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

Quality Confirmation Test

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

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

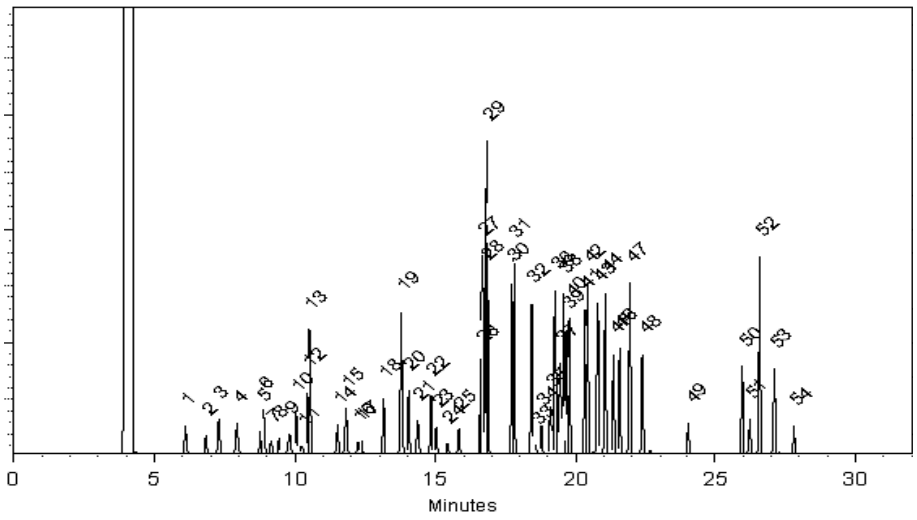
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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

Jess Hoy - Operations Tech I

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

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 06-Jun-2023

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
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- Purity values are rounded to the nearest whole number.

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Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_M_MIX1SEC_00222

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 577493 **Lot No.:** A0211284

Description : Custom VOC MegaMix®.SEC #1 Standard

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

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

Expiration Date : May 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,1-Dichloroethene	75-35-4.SEC	13896500	99%	1,004.5 µg/mL	+/- 57.7085
2	Methylene chloride (dichloromethane)	75-09-2.SEC	FGM02	99%	1,004.4 µg/mL	+/- 57.7027
3	trans-1,2-Dichloroethene	156-60-5.SEC	L5QOH	99%	1,003.9 µg/mL	+/- 57.6783
4	1,1-Dichloroethane	75-34-3.SEC	1026.30-3	98%	1,006.0 µg/mL	+/- 57.8000
5	2,2-Dichloropropane	594-20-7.SEC	I7E8E	99%	1,005.2 µg/mL	+/- 57.7516
6	cis-1,2-Dichloroethene	156-59-2.SEC	YZO5O	99%	1,004.3 µg/mL	+/- 57.6987
7	Chloroform	67-66-3.SEC	1297547	99%	1,003.9 µg/mL	+/- 57.6769
8	Bromochloromethane	74-97-5.SEC	13547000	99%	1,004.4 µg/mL	+/- 57.7079
9	1,1,1-Trichloroethane	71-55-6.SEC	14183000	99%	1,005.0 µg/mL	+/- 57.7415
10	1,1-Dichloropropene	563-58-6.SEC	556500	99%	1,003.8 µg/mL	+/- 57.6723
11	Carbon tetrachloride	56-23-5.SEC	11466	99%	1,003.9 µg/mL	+/- 57.6783
12	1,2-Dichloroethane	107-06-2.SEC	00016165	99%	1,003.1 µg/mL	+/- 57.6295
13	Benzene	71-43-2.SEC	B28Y008	99%	1,005.0 µg/mL	+/- 57.7401
14	Trichloroethene	79-01-6.SEC	H04X050	99%	1,003.3 µg/mL	+/- 57.6438
15	1,2-Dichloropropane	78-87-5.SEC	ERRBI-RH	99%	1,003.7 µg/mL	+/- 57.6639
16	Bromodichloromethane	75-27-4.SEC	28128	99%	1,004.8 µg/mL	+/- 57.7300

17	Dibromomethane	74-95-3.SEC	MOKKJ	99%	1,004.5	µg/mL	+/- 57.7136
18	cis-1,3-Dichloropropene	10061-01-5.SEC	487OA	98%	1,004.8	µg/mL	+/- 57.7296
19	Toluene	108-88-3.SEC	YND2B-BD	99%	1,004.1	µg/mL	+/- 57.6872
20	trans-1,3-Dichloropropene	10061-02-6.SEC	ZDMSL	98%	1,006.1	µg/mL	+/- 57.8042
21	1,1,2-Trichloroethane	79-00-5.SEC	13547100	99%	1,003.8	µg/mL	+/- 57.6711
22	1,3-Dichloropropane	142-28-9.SEC	IQCON	99%	1,003.6	µg/mL	+/- 57.6573
23	Tetrachloroethene	127-18-4.SEC	F09W014	99%	1,003.9	µg/mL	+/- 57.6769
24	Dibromochloromethane	124-48-1.SEC	10234064	99%	1,003.9	µg/mL	+/- 57.6740
25	1,2-Dibromoethane (EDB)	106-93-4.SEC	050675P15E	99%	1,003.7	µg/mL	+/- 57.6677
26	Chlorobenzene	108-90-7.SEC	1161936	99%	1,004.0	µg/mL	+/- 57.6826
27	1,1,1,2-Tetrachloroethane	630-20-6.SEC	13789800	99%	1,003.4	µg/mL	+/- 57.6458
28	Ethylbenzene	100-41-4.SEC	XO5UA	99%	1,004.6	µg/mL	+/- 57.7148
29	m-Xylene	108-38-3.SEC	7ZV6F	99%	1,004.8	µg/mL	+/- 57.7263
30	p-Xylene	106-42-3.SEC	D6UOA	99%	1,004.6	µg/mL	+/- 57.7171
31	o-Xylene	95-47-6.SEC	UJ6RI	99%	1,005.4	µg/mL	+/- 57.7619
32	Styrene	100-42-5.SEC	QGQ7F	99%	1,003.8	µg/mL	+/- 57.6711
33	Isopropylbenzene (cumene)	98-82-8.SEC	7P24L	99%	1,005.3	µg/mL	+/- 57.7573
34	Bromoform	75-25-2.SEC	13723500	99%	1,003.9	µg/mL	+/- 57.6783
35	1,1,2,2-Tetrachloroethane	79-34-5.SEC	BCCD5088	99%	1,003.8	µg/mL	+/- 57.6711
36	1,2,3-Trichloropropane	96-18-4.SEC	6V2ED	99%	1,003.2	µg/mL	+/- 57.6367
37	n-Propylbenzene	103-65-1.SEC	XCGEC	99%	1,004.1	µg/mL	+/- 57.6895
38	Bromobenzene	108-86-1.SEC	8DKWJ	99%	1,004.2	µg/mL	+/- 57.6964
39	1,3,5-Trimethylbenzene	108-67-8.SEC	GI2SM	99%	1,004.3	µg/mL	+/- 57.7022
40	2-Chlorotoluene	95-49-8.SEC	BRHPM	99%	1,003.7	µg/mL	+/- 57.6642
41	4-Chlorotoluene	106-43-4.SEC	S5SKD	99%	1,004.6	µg/mL	+/- 57.7171
42	tert-Butylbenzene	98-06-6.SEC	D6OHC	99%	1,004.4	µg/mL	+/- 57.7033
43	1,2,4-Trimethylbenzene	95-63-6.SEC	JHZDD	99%	1,004.6	µg/mL	+/- 57.7148
44	sec-Butylbenzene	135-98-8.SEC	O4HRF	99%	1,005.1	µg/mL	+/- 57.7470
45	4-Isopropyltoluene (p-cymene)	99-87-6.SEC	13889300	98%	1,004.1	µg/mL	+/- 57.6911
46	1,3-Dichlorobenzene	541-73-1.SEC	ZA2ZI	99%	1,003.6	µg/mL	+/- 57.6611
47	1,4-Dichlorobenzene	106-46-7.SEC	J5GVD	99%	1,005.3	µg/mL	+/- 57.7559
48	n-Butylbenzene	104-51-8.SEC	MMPGA	99%	1,005.4	µg/mL	+/- 57.7642
49	1,2-Dichlorobenzene	95-50-1.SEC	R6QDM	99%	1,004.0	µg/mL	+/- 57.6812
50	1,2-Dibromo-3-chloropropane	96-12-8.SEC	Q135-105	99%	1,004.2	µg/mL	+/- 57.6964
51	1,2,4-Trichlorobenzene	120-82-1.SEC	3LYYC	99%	1,004.6	µg/mL	+/- 57.7182
52	Hexachlorobutadiene	87-68-3.SEC	13889400	97%	1,004.2	µg/mL	+/- 57.6965

53	Naphthalene	91-20-3.SEC	AM5NG	99%	1,002.7	µg/mL	+/- 57.6079
54	1,2,3-Trichlorobenzene	87-61-6.SEC	A0043055	99%	1,004.6	µg/mL	+/- 57.7194

* 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.)

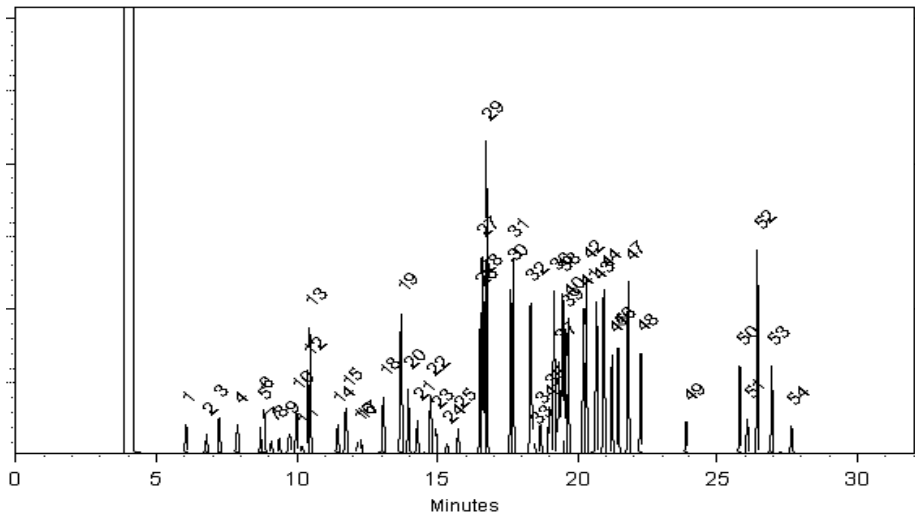
Inj. Temp:
200°C

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.

Matt Fragassi - Mix Technician

Date Mixed: 10-May-2024 **Balance Serial #** 1128342314

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 14-May-2024

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_M_MIX2SEC_00207

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

Description : Custom VOC MegaMix®.SEC #2 Standard

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

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

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

Ship: Ambient

CERTIFIED VALUES

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

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

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

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

Quality Confirmation Test

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

Carrier Gas:
helium-constant pressure 30 psi

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

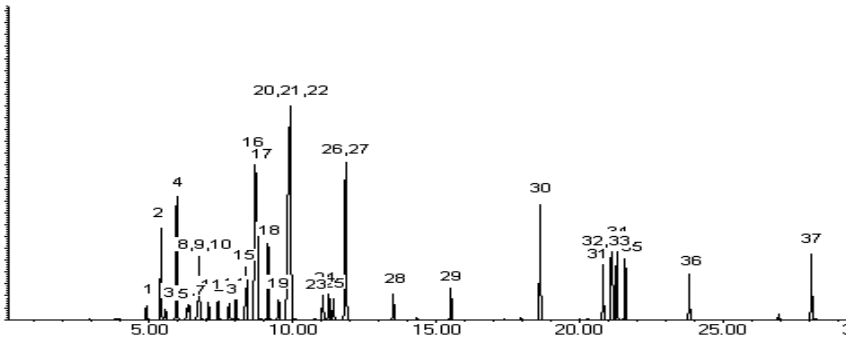
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
25.0 ml/min.

Inj. Vol
1µl



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

Bryan Snyder - Operations Tech I

Date Mixed: 30-Apr-2023 **Balance Serial #** 1128342314

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 19-Jun-2023

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_M_MIX2SEC_00224

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 577494 **Lot No.:** A0212017

Description : Custom VOC MegaMix®.SEC #2 Standard

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

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

Expiration Date : May 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	n-Pentane (C5)	109-66-0.SEC	FGH02	99%	1,010.0 µg/mL	+/- 16.5203
2	2-Propanol (isopropanol)	67-63-0.SEC	7B8ZE	99%	7,521.0 µg/mL	+/- 122.9828
3	1,1,2-Trichlorotrifluoroethane (CFC-113)	76-13-1.SEC	18342	99%	1,010.0 µg/mL	+/- 16.5203
4	tert-Butanol (TBA)	75-65-0.SEC	5REPK	99%	10,058.5 µg/mL	+/- 164.4758
5	Methyl acetate	79-20-9.SEC	LV27M	99%	1,005.5 µg/mL	+/- 16.4467
6	Iodomethane (methyl iodide)	74-88-4.SEC	Y25A027	99%	1,008.5 µg/mL	+/- 16.4957
7	Allyl chloride (3-chloropropene)	107-05-1.SEC	RD210329	99%	1,010.0 µg/mL	+/- 16.5203
8	Carbon disulfide	75-15-0.SEC	MKBL1376V	99%	1,005.0 µg/mL	+/- 16.4385
9	Acrylonitrile	107-13-1.SEC	V54AD	99%	5,033.0 µg/mL	+/- 82.2992
10	Methyl-tert-butyl ether (MTBE)	1634-04-4.SEC	ZHKYA	99%	1,009.0 µg/mL	+/- 16.5039
11	n-Hexane (C6)	110-54-3.SEC	10188491	99%	1,002.5 µg/mL	+/- 16.3976
12	Diisopropyl ether (DIPE)	108-20-3.SEC	LL7TN-SH	99%	1,004.0 µg/mL	+/- 16.4221
13	Chloroprene (2-chloro-1,3-butadiene)	126-99-8	S240508RSR	99%	1,004.5 µg/mL	+/- 16.4303
14	Ethyl-tert-butyl ether (ETBE)	637-92-3.SEC	UCI5B	98%	1,005.0 µg/mL	+/- 16.4383
15	Propionitrile	107-12-0.SEC	B4ZPC	99%	7,531.5 µg/mL	+/- 123.1545
16	Methacrylonitrile	126-98-7	1012014	99%	7,552.0 µg/mL	+/- 123.4897

17	Isobutanol (2-Methyl-1-propanol)	78-83-1.SEC	PH2XK	99%	25,152.5	µg/mL	+/- 411.2916
18	Tetrahydrofuran	109-99-9.SEC	3NYHE	99%	5,019.0	µg/mL	+/- 82.0703
19	Cyclohexane	110-82-7.SEC	YADRA	99%	1,005.0	µg/mL	+/- 16.4385
20	1-Butanol	71-36-3.SEC	LIE2D	99%	50,148.0	µg/mL	+/- 820.0105
21	tert-Amyl methyl ether (TAME)	994-05-8.SEC	12075100	98%	1,008.4	µg/mL	+/- 16.4944
22	n-Heptane (C7)	142-82-5.SEC	TFHUC	99%	1,003.5	µg/mL	+/- 16.4139
23	tert-Amyl ethyl ether (TAEE)	919-94-8.SEC	14406100	98%	1,008.9	µg/mL	+/- 16.5024
24	Methylcyclohexane	108-87-2.SEC	Q02QG	99%	1,006.0	µg/mL	+/- 16.4548
25	Methyl methacrylate	80-62-6.SEC	G01X021	99%	1,002.5	µg/mL	+/- 16.3976
26	1,4-Dioxane	123-91-1.SEC	QHRWO	99%	25,103.0	µg/mL	+/- 410.4822
27	2-Nitropropane	79-46-9.SEC	F43IA	99%	1,007.0	µg/mL	+/- 16.4712
28	Ethyl methacrylate	97-63-2.SEC	AQSPO	99%	1,006.5	µg/mL	+/- 16.4630
29	1-Chlorohexane	544-10-5.SEC	14420900	99%	1,002.0	µg/mL	+/- 16.3894
30	trans-1,4-Dichloro-2-butene	110-57-6.SEC	RD240522S	97%	5,007.6	µg/mL	+/- 81.8843
31	1,2,3-Trimethylbenzene	526-73-8.SEC	12203300	99%	1,008.0	µg/mL	+/- 16.4876
32	1,3-Diethylbenzene	141-93-5.SEC	113566-1	99%	1,006.5	µg/mL	+/- 16.4630
33	Benzyl chloride	100-44-7.SEC	H29N03	99%	1,003.5	µg/mL	+/- 16.4139
34	1,4-Diethylbenzene	105-05-5.SEC	FBQ02	98%	1,007.9	µg/mL	+/- 16.4864
35	1,2-Diethylbenzene	135-01-3.SEC	BCBF3667V	99%	1,005.5	µg/mL	+/- 16.4467
36	1,3,5-Trichlorobenzene	108-70-3.SEC	I28U021	99%	1,002.0	µg/mL	+/- 16.3894
37	2-Methylnaphthalene	91-57-6.SEC	76023-1	99%	1,002.5	µg/mL	+/- 16.3976

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

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

Quality Confirmation Test

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

Carrier Gas:
helium-constant pressure 30 psi

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

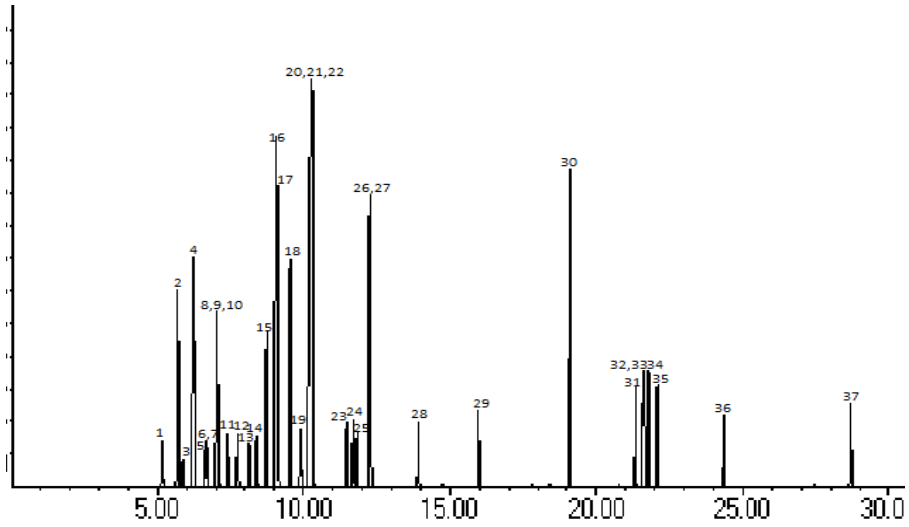
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
25.0 ml/min.

Inj. Vol
1µl



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

Malina Homan - Operations Technician I

Date Mixed: 24-May-2024 **Balance Serial #** 1127510105

Dillan Murphy - Operations Technician I

Date Passed: 04-Jun-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:

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_MegaMIX#1_00178

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

Description : Custom VOC MegaMix® #1 Standard

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

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

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

Ship: Ambient

CERTIFIED VALUES

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

17	Dibromomethane	74-95-3	10233302	99%	5,047.7	µg/mL	+/- 284.3260
18	cis-1,3-Dichloropropene	10061-01-5	RD221227RSRB	99%	5,027.8	µg/mL	+/- 283.1844
19	Toluene	108-88-3	ED097-US	99%	5,047.6	µg/mL	+/- 284.3204
20	trans-1,3-Dichloropropene	10061-02-6	RD220228A	98%	5,026.1	µg/mL	+/- 283.0852
21	1,1,2-Trichloroethane	79-00-5	FGB01	99%	5,037.6	µg/mL	+/- 283.7335
22	1,3-Dichloropropane	142-28-9	BCCH5357	99%	5,042.5	µg/mL	+/- 284.0331
23	Tetrachloroethene	127-18-4	SHBJ7422	99%	5,031.8	µg/mL	+/- 283.4097
24	dibromochloromethane	124-48-1	MKCM8659	99%	5,024.5	µg/mL	+/- 282.9978
25	1,2-Dibromoethane (EDB)	106-93-4	BCCH7113	99%	5,044.2	µg/mL	+/- 284.1289
26	Chlorobenzene	108-90-7	SHBN6640	99%	5,022.1	µg/mL	+/- 282.8605
27	1,1,1,2-Tetrachloroethane	630-20-6	GC01	99%	5,043.6	µg/mL	+/- 284.0951
28	Ethylbenzene	100-41-4	094632L21G	99%	5,045.6	µg/mL	+/- 284.2077
29	m-Xylene	108-38-3	Q13G020	99%	5,048.8	µg/mL	+/- 284.3880
30	p-Xylene	106-42-3	10234437	99%	5,045.7	µg/mL	+/- 284.2134
31	o-Xylene	95-47-6	SHBN5105	98%	5,038.2	µg/mL	+/- 283.7898
32	Styrene	100-42-5	MKCQ3390	99%	5,041.8	µg/mL	+/- 283.9937
33	Isopropylbenzene (cumene)	98-82-8	Z20D022	99%	5,047.5	µg/mL	+/- 284.3148
34	bromoform	75-25-2	MKCR0680	99%	5,030.8	µg/mL	+/- 283.3533
35	1,1,2,2-Tetrachloroethane	79-34-5	OXACF	99%	5,031.6	µg/mL	+/- 283.3956
36	1,2,3-Trichloropropane	96-18-4	332900	99%	5,044.1	µg/mL	+/- 284.1232
37	n-Propylbenzene	103-65-1	G08M	98%	5,049.5	µg/mL	+/- 284.4246
38	Bromobenzene	108-86-1	MKCQ7174	99%	5,044.6	µg/mL	+/- 284.1514
39	1,3,5-Trimethylbenzene	108-67-8	BCCF4166	99%	5,049.4	µg/mL	+/- 284.4218
40	2-Chlorotoluene	95-49-8	235783M23T	99%	5,044.5	µg/mL	+/- 284.1458
41	4-Chlorotoluene	106-43-4	BCCG9286	99%	5,045.5	µg/mL	+/- 284.2021
42	tert-Butylbenzene	98-06-6	STBJ1937	99%	5,047.9	µg/mL	+/- 284.3373
43	1,2,4-Trimethylbenzene	95-63-6	MKCS3775	99%	5,047.3	µg/mL	+/- 284.3035
44	sec-Butylbenzene	135-98-8	MKCP2266	99%	5,046.3	µg/mL	+/- 284.2472
45	p-Isopropyltoluene (p-Cymene)	99-87-6	MKCR6143	99%	5,045.8	µg/mL	+/- 284.2190
46	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	5,036.8	µg/mL	+/- 283.6878
47	1,4-Dichlorobenzene	106-46-7	MKBS4401V	99%	5,037.8	µg/mL	+/- 283.7476
48	n-Butylbenzene	104-51-8	09804AE	99%	5,049.1	µg/mL	+/- 284.4049
49	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	5,030.9	µg/mL	+/- 283.3604
50	1,2-Dibromo-3-chloropropane	96-12-8	HBMVB	97%	5,047.8	µg/mL	+/- 284.3307
51	1,2,4-Trichlorobenzene	120-82-1	SHBM0526	99%	5,046.6	µg/mL	+/- 284.2641
52	Hexachlorobutadiene	87-68-3	X05J	99%	5,045.1	µg/mL	+/- 284.1796

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

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

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

Quality Confirmation Test

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

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

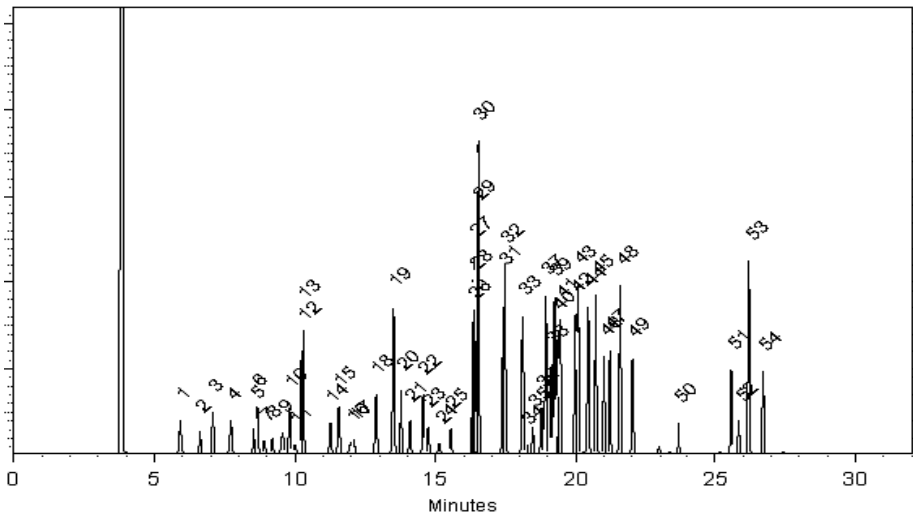
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
0.2µl



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

Nick Yaw - Operations Tech I

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

Christie Mills - Operations Tech II - ARM QC

Date Passed: 05-May-2023

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_MegaMIX#1_00193

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

Description : Custom VOC MegaMix® #1 Standard

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

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

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

Ship: Ambient

CERTIFIED VALUES

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

17	Dibromomethane	74-95-3	10233302	99%	5,047.7	µg/mL	+/- 284.3260
18	cis-1,3-Dichloropropene	10061-01-5	RD221227RSRB	99%	5,027.8	µg/mL	+/- 283.1844
19	Toluene	108-88-3	ED097-US	99%	5,047.6	µg/mL	+/- 284.3204
20	trans-1,3-Dichloropropene	10061-02-6	RD220228A	98%	5,026.1	µg/mL	+/- 283.0852
21	1,1,2-Trichloroethane	79-00-5	FGB01	99%	5,037.6	µg/mL	+/- 283.7335
22	1,3-Dichloropropane	142-28-9	BCCH5357	99%	5,042.5	µg/mL	+/- 284.0331
23	Tetrachloroethene	127-18-4	SHBJ7422	99%	5,031.8	µg/mL	+/- 283.4097
24	dibromochloromethane	124-48-1	MKCM8659	99%	5,024.5	µg/mL	+/- 282.9978
25	1,2-Dibromoethane (EDB)	106-93-4	BCCH7113	99%	5,044.2	µg/mL	+/- 284.1289
26	Chlorobenzene	108-90-7	SHBN6640	99%	5,022.1	µg/mL	+/- 282.8605
27	1,1,1,2-Tetrachloroethane	630-20-6	GC01	99%	5,043.6	µg/mL	+/- 284.0951
28	Ethylbenzene	100-41-4	094632L21G	99%	5,045.6	µg/mL	+/- 284.2077
29	m-Xylene	108-38-3	Q13G020	99%	5,048.8	µg/mL	+/- 284.3880
30	p-Xylene	106-42-3	10234437	99%	5,045.7	µg/mL	+/- 284.2134
31	o-Xylene	95-47-6	SHBN5105	98%	5,038.2	µg/mL	+/- 283.7898
32	Styrene	100-42-5	MKCQ3390	99%	5,041.8	µg/mL	+/- 283.9937
33	Isopropylbenzene (cumene)	98-82-8	Z20D022	99%	5,047.5	µg/mL	+/- 284.3148
34	bromoform	75-25-2	MKCR0680	99%	5,030.8	µg/mL	+/- 283.3533
35	1,1,2,2-Tetrachloroethane	79-34-5	OXACF	99%	5,031.6	µg/mL	+/- 283.3956
36	1,2,3-Trichloropropane	96-18-4	332900	99%	5,044.1	µg/mL	+/- 284.1232
37	n-Propylbenzene	103-65-1	G08M	98%	5,049.5	µg/mL	+/- 284.4246
38	Bromobenzene	108-86-1	MKCQ7174	99%	5,044.6	µg/mL	+/- 284.1514
39	1,3,5-Trimethylbenzene	108-67-8	BCCF4166	99%	5,049.4	µg/mL	+/- 284.4218
40	2-Chlorotoluene	95-49-8	235783M23T	99%	5,044.5	µg/mL	+/- 284.1458
41	4-Chlorotoluene	106-43-4	BCCG9286	99%	5,045.5	µg/mL	+/- 284.2021
42	tert-Butylbenzene	98-06-6	STBJ1937	99%	5,047.9	µg/mL	+/- 284.3373
43	1,2,4-Trimethylbenzene	95-63-6	MKCS3775	99%	5,047.3	µg/mL	+/- 284.3035
44	sec-Butylbenzene	135-98-8	MKCP2266	99%	5,046.3	µg/mL	+/- 284.2472
45	p-Isopropyltoluene (p-Cymene)	99-87-6	MKCR6143	99%	5,045.8	µg/mL	+/- 284.2190
46	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	5,036.8	µg/mL	+/- 283.6878
47	1,4-Dichlorobenzene	106-46-7	MKBS4401V	99%	5,037.8	µg/mL	+/- 283.7476
48	n-Butylbenzene	104-51-8	09804AE	99%	5,049.1	µg/mL	+/- 284.4049
49	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	5,030.9	µg/mL	+/- 283.3604
50	1,2-Dibromo-3-chloropropane	96-12-8	HBMVB	97%	5,047.8	µg/mL	+/- 284.3307
51	1,2,4-Trichlorobenzene	120-82-1	SHBM0526	99%	5,046.6	µg/mL	+/- 284.2641
52	Hexachlorobutadiene	87-68-3	X05J	99%	5,045.1	µg/mL	+/- 284.1796

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

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

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

Quality Confirmation Test

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

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

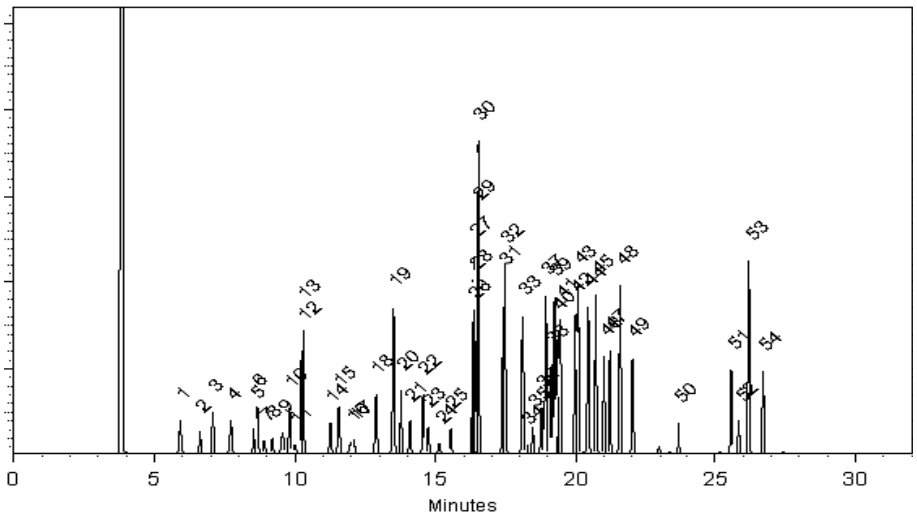
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
0.2µl



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

Nick Yaw - Operations Tech I

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

Christie Mills - Operations Tech II - ARM QC

Date Passed: 05-May-2023

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_MegaMIX#1_00200

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 577486 **Lot No.:** A0211483

Description : Custom VOC MegaMix® #1 Standard

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

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

Expiration Date : May 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,1-dichloroethene	75-35-4	SHBG8609V	99%	5,038.8 µg/mL	+/- 283.8004
2	Methylene chloride (dichloromethane)	75-09-2	231383	99%	5,013.9 µg/mL	+/- 282.3994
3	trans-1,2-Dichloroethene	156-60-5	MKCP9516	99%	5,020.8 µg/mL	+/- 282.7901
4	1,1-Dichloroethane	75-34-3	852900	99%	5,007.1 µg/mL	+/- 282.0157
5	2,2-Dichloropropane	594-20-7	RP231114CTH	99%	5,045.8 µg/mL	+/- 284.2162
6	cis-1,2-Dichloroethene	156-59-2	MKCP7830	99%	5,049.3 µg/mL	+/- 284.4180
7	chloroform	67-66-3	SHBN8469	99%	5,032.5 µg/mL	+/- 283.4484
8	Bromochloromethane	74-97-5	S231117RSR	99%	5,043.2 µg/mL	+/- 284.0707
9	1,1,1-trichloroethane	71-55-6	RD230728RSR	99%	5,043.7 µg/mL	+/- 284.0785
10	1,1-Dichloropropene	563-58-6	S240215ECS	99%	5,045.2 µg/mL	+/- 284.1833
11	carbon tetrachloride	56-23-5	SHBP4875	99%	5,042.8 µg/mL	+/- 284.0292
12	1,2-Dichloroethane	107-06-2	SHBQ5408	99%	5,007.8 µg/mL	+/- 282.0579
13	Benzene	71-43-2	MKCS3357	99%	5,011.2 µg/mL	+/- 282.2682
14	Trichloroethene	79-01-6	SHBQ6161	99%	5,019.9 µg/mL	+/- 282.7408
15	1,2-Dichloropropane	78-87-5	BCBR0882V	99%	5,041.1 µg/mL	+/- 283.9307
16	bromodichloromethane	75-27-4	MKCF8470	99%	5,014.1 µg/mL	+/- 282.4134

17	Dibromomethane	74-95-3	107151T06C	99%	5,019.6	µg/mL	+/- 282.7423
18	cis-1,3-Dichloropropene	10061-01-5	RP231025CTH	99%	5,036.1	µg/mL	+/- 283.6490
19	Toluene	108-88-3	MKCS9989	99%	5,027.9	µg/mL	+/- 283.2117
20	trans-1,3-Dichloropropene	10061-02-6	RP231025CTH-1	98%	5,002.6	µg/mL	+/- 281.7640
21	1,1,2-Trichloroethane	79-00-5	FGB01	99%	5,010.4	µg/mL	+/- 282.2022
22	1,3-Dichloropropane	142-28-9	BCCH5357	99%	5,043.1	µg/mL	+/- 284.0660
23	Tetrachloroethene	127-18-4	SHBQ0051	99%	5,014.8	µg/mL	+/- 282.4522
24	dibromochloromethane	124-48-1	MKCT4871	99%	5,042.3	µg/mL	+/- 283.9976
25	1,2-Dibromoethane (EDB)	106-93-4	BCCH7113	99%	5,041.7	µg/mL	+/- 283.9862
26	Chlorobenzene	108-90-7	SHBN6640	99%	5,013.3	µg/mL	+/- 282.3642
27	1,1,1,2-Tetrachloroethane	630-20-6	TMWGK	99%	5,025.2	µg/mL	+/- 283.0568
28	Ethylbenzene	100-41-4	094632T20F	99%	5,042.0	µg/mL	+/- 284.0050
29	m-Xylene	108-38-3	SHBN6673	99%	5,042.2	µg/mL	+/- 284.0143
30	p-Xylene	106-42-3	SHBP5191	99%	5,038.1	µg/mL	+/- 283.7843
31	o-Xylene	95-47-6	50069309	99%	5,047.2	µg/mL	+/- 284.2960
32	Styrene	100-42-5	MKCQ3390	99%	5,038.9	µg/mL	+/- 283.8313
33	Isopropylbenzene (cumene)	98-82-8	Z20D022	99%	5,022.8	µg/mL	+/- 282.9253
34	bromoform	75-25-2	050494L04R	99%	5,036.9	µg/mL	+/- 283.6948
35	1,1,2,2-Tetrachloroethane	79-34-5	QQJ4I	99%	5,032.5	µg/mL	+/- 283.4484
36	1,2,3-Trichloropropane	96-18-4	Q91-34	98%	5,042.7	µg/mL	+/- 284.0428
37	n-Propylbenzene	103-65-1	095067T18C	99%	5,028.8	µg/mL	+/- 283.2586
38	Bromobenzene	108-86-1	MKCQ7174	99%	5,026.8	µg/mL	+/- 283.1460
39	1,3,5-Trimethylbenzene	108-67-8	BCCH6852	99%	5,023.1	µg/mL	+/- 282.9394
40	2-Chlorotoluene	95-49-8	235783M23T	99%	5,028.7	µg/mL	+/- 283.2539
41	4-Chlorotoluene	106-43-4	BCCG9286	99%	5,043.9	µg/mL	+/- 284.1129
42	tert-Butylbenzene	98-06-6	STBJ1937	99%	5,047.3	µg/mL	+/- 284.3054
43	1,2,4-Trimethylbenzene	95-63-6	MKCS3775	99%	5,046.3	µg/mL	+/- 284.2490
44	sec-Butylbenzene	135-98-8	MKCP2266	99%	5,044.3	µg/mL	+/- 284.1364
45	p-Isopropyltoluene (p-Cymene)	99-87-6	MKCS1827	99%	5,035.8	µg/mL	+/- 283.6576
46	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	5,034.6	µg/mL	+/- 283.5646
47	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	5,015.5	µg/mL	+/- 282.4909
48	n-Butylbenzene	104-51-8	09418JJ	99%	5,034.7	µg/mL	+/- 283.5919
49	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	5,012.9	µg/mL	+/- 282.3466
50	1,2-Dibromo-3-chloropropane	96-12-8	HBMVB	97%	5,029.4	µg/mL	+/- 283.2935
51	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	5,042.1	µg/mL	+/- 284.0096
52	Hexachlorobutadiene	87-68-3	X05J	99%	5,023.4	µg/mL	+/- 282.9582

53	Naphthalene	91-20-3	STBL1057	99%	5,008.3	µg/mL	+/-	282.1039
54	1,2,3-Trichlorobenzene	87-61-6	MKBX7627V	99%	5,037.8	µg/mL	+/-	283.7656

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

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

Quality Confirmation Test

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

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

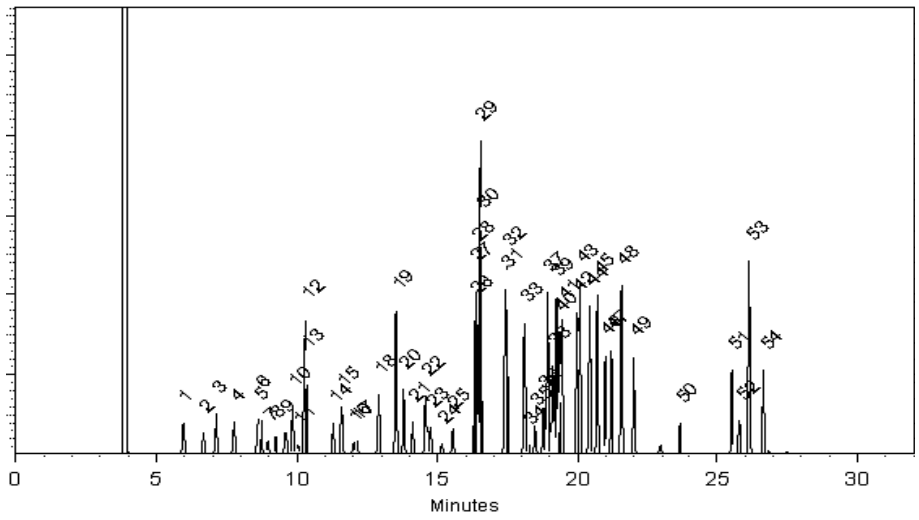
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
0.2µl



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

Russ Bookhamer - Operations Technician I

Date Mixed: 15-May-2024 **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 17-May-2024

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_MegaMix#2_00184

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

Description : Custom VOC MegaMix® #2 Standard

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

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

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

Ship: Ambient

CERTIFIED VALUES

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

17	Isobutanol (2-Methyl-1-propanol)	78-83-1	SHBP7066	99%	62,545.0	µg/mL	+/-	1,022.7307
18	Tetrahydrofuran	109-99-9	SHBQ0910	99%	25,024.0	µg/mL	+/-	409.1904
19	Cyclohexane	110-82-7	MKCQ2001	99%	5,039.5	µg/mL	+/-	84.9309
20	1-Butanol	71-36-3	101601K21K	99%	62,664.0	µg/mL	+/-	1,024.6765
21	tert-Amyl methyl ether (TAME)	994-05-8	HMBJ0825	99%	5,021.8	µg/mL	+/-	84.6332
22	n-Heptane (C7)	142-82-5	044743N07T	99%	5,041.5	µg/mL	+/-	84.9646
23	tert-Amyl ethyl ether (TAEE)	919-94-8	IKVYB	97%	5,049.3	µg/mL	+/-	85.0967
24	Methylcyclohexane	108-87-2	SHBN1699	99%	5,028.0	µg/mL	+/-	84.7371
25	Methyl methacrylate	80-62-6	MKCQ2756	99%	5,012.3	µg/mL	+/-	84.4731
26	1,4-Dioxane	123-91-1	SHBN3770	99%	62,583.0	µg/mL	+/-	1,023.3520
27	2-Nitropropane	79-46-9	BCCB9352	97%	25,024.1	µg/mL	+/-	409.1914
28	Ethyl methacrylate	97-63-2	MKCN6206	97%	5,040.1	µg/mL	+/-	84.9414
29	1-Chlorohexane	544-10-5	BCBS3368V	99%	5,046.3	µg/mL	+/-	85.0461
30	trans-1,4-dichloro-2-butene	110-57-6	RD221227RSRA	94%	12,618.6	µg/mL	+/-	206.3376
31	1,2,3-Trimethylbenzene	526-73-8	8776.10-36	98%	5,002.6	µg/mL	+/-	84.3086
32	1,3-Diethylbenzene	141-93-5	BCBZ6270	99%	5,041.0	µg/mL	+/-	84.9562
33	Benzyl chloride	100-44-7	MKCM5986	99%	5,045.3	µg/mL	+/-	85.0292
34	1,4-Diethylbenzene	105-05-5	1135.72-1	99%	5,032.7	µg/mL	+/-	84.8158
35	1,2-Diethylbenzene	135-01-3	ECH2970181	99%	5,015.3	µg/mL	+/-	84.5236
36	1,3,5-Trichlorobenzene	108-70-3	11319AS	99%	5,003.8	µg/mL	+/-	84.3298
37	2-Methylnaphthalene	91-57-6	STBK0259	96%	5,002.4	µg/mL	+/-	84.3057

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

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

Quality Confirmation Test

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

Carrier Gas:
helium-constant pressure 30 psi

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

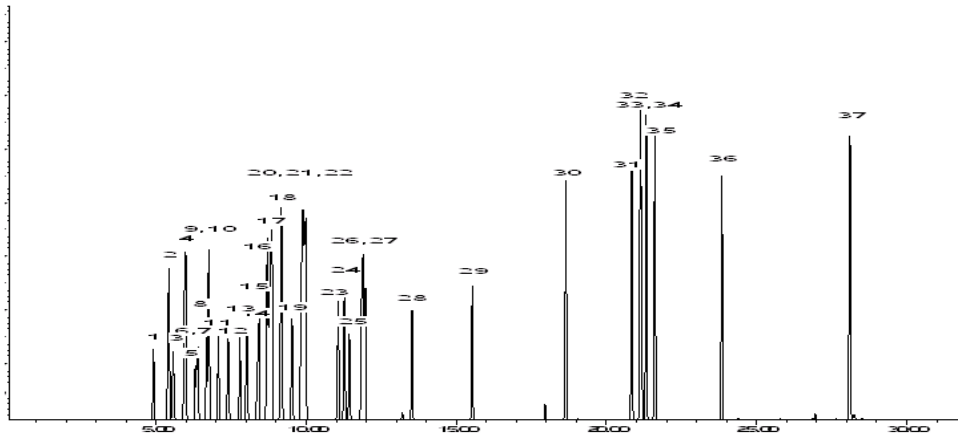
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
25.0 ml/min.

Inj. Vol
1µl



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

Sam Moodler - Operations Tech I

Date Mixed: 30-Apr-2023 **Balance Serial #** B251644995

Marlina Cowan -- Operations Tech II ARM QC

Date Passed: 02-May-2023

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_MegaMix#2_00193

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 577487 **Lot No.:** A0212010

Description : Custom VOC MegaMix® #2 Standard

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

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

Expiration Date : May 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	n-Pentane (C5)	109-66-0	STBK5006	99%	5,041.0 µg/mL	+/- 84.9562
2	2-Propanol (isopropanol)	67-63-0	SHBR1699	99%	25,199.0 µg/mL	+/- 412.0520
3	1,1,2-Trichlorotrifluoroethane (CFC-113)	76-13-1	00009482	99%	5,039.2 µg/mL	+/- 84.9253
4	tert-Butanol (TBA)	75-65-0	SHBQ8002	99%	25,207.0 µg/mL	+/- 412.1828
5	Methyl acetate	79-20-9	SHBP3100	99%	5,037.0 µg/mL	+/- 84.8888
6	Iodomethane (methyl iodide)	74-88-4	RD240405RSR	99%	5,048.3 µg/mL	+/- 85.0798
7	Allyl chloride (3-chloropropene)	107-05-1	RD240221ECS	99%	5,046.7 µg/mL	+/- 85.0517
8	Carbon disulfide	75-15-0	Q30J743	99%	5,036.0 µg/mL	+/- 84.8719
9	Acrylonitrile	107-13-1	MKCN8129	99%	12,598.0 µg/mL	+/- 206.0015
10	Methyl-tert-butyl ether (MTBE)	1634-04-4	SHBQ4873	99%	5,040.7 µg/mL	+/- 84.9506
11	n-Hexane (C6)	110-54-3	102412P22T	99%	5,042.5 µg/mL	+/- 84.9815
12	Diisopropyl ether (DIPE)	108-20-3	STBK8028	99%	5,042.7 µg/mL	+/- 84.9843
13	Chloroprene (2-chloro-1,3-butadiene)	126-99-8	S240508RSR	99%	5,049.7 µg/mL	+/- 85.1023
14	Ethyl-tert-butyl ether (ETBE)	637-92-3	MKCT4522	98%	5,049.9 µg/mL	+/- 85.1069
15	Propionitrile	107-12-0	BCCH7430	99%	25,211.0 µg/mL	+/- 412.2482
16	Methacrylonitrile	126-98-7	1012014	99%	12,613.0 µg/mL	+/- 206.2467

17	Isobutanol (2-Methyl-1-propanol)	78-83-1	SHBR1206	99%	63,123.0	µg/mL	+/-	1,032.1821
18	Tetrahydrofuran	109-99-9	SHBQ8516	99%	25,247.0	µg/mL	+/-	412.8369
19	Cyclohexane	110-82-7	MKCS9749	99%	5,046.2	µg/mL	+/-	85.0433
20	1-Butanol	71-36-3	101601K21K	99%	63,110.0	µg/mL	+/-	1,031.9695
21	tert-Amyl methyl ether (TAME)	994-05-8	HMBJ0825	99%	5,038.5	µg/mL	+/-	84.9141
22	n-Heptane (C7)	142-82-5	044743T03G	99%	5,049.2	µg/mL	+/-	85.0938
23	tert-Amyl ethyl ether (TAEE)	919-94-8	IKVYB	97%	5,038.8	µg/mL	+/-	84.9196
24	Methylcyclohexane	108-87-2	SHBN1699	99%	5,044.8	µg/mL	+/-	85.0208
25	Methyl methacrylate	80-62-6	MKCQ2756	99%	5,048.0	µg/mL	+/-	85.0742
26	1,4-Dioxane	123-91-1	SHBQ2407	99%	63,103.0	µg/mL	+/-	1,031.8550
27	2-Nitropropane	79-46-9	BCCB9352	97%	25,238.4	µg/mL	+/-	412.6967
28	Ethyl methacrylate	97-63-2	MKCN6206	97%	5,046.9	µg/mL	+/-	85.0558
29	1-Chlorohexane	544-10-5	BCBS3368V	99%	5,044.5	µg/mL	+/-	85.0152
30	trans-1,4-dichloro-2-butene	110-57-6	RP240130CTH	98%	12,602.8	µg/mL	+/-	206.0799
31	1,2,3-Trimethylbenzene	526-73-8	8776.10-38	99%	5,043.7	µg/mL	+/-	85.0012
32	1,3-Diethylbenzene	141-93-5	BCBZ6270	99%	5,048.3	µg/mL	+/-	85.0798
33	Benzyl chloride	100-44-7	MKCM5986	99%	5,039.8	µg/mL	+/-	84.9365
34	1,4-Diethylbenzene	105-05-5	1135.72-1	99%	5,048.2	µg/mL	+/-	85.0770
35	1,2-Diethylbenzene	135-01-3	BCCG9282	99%	5,049.3	µg/mL	+/-	85.0967
36	1,3,5-Trichlorobenzene	108-70-3	11319AS	99%	5,046.3	µg/mL	+/-	85.0461
37	2-Methylnaphthalene	91-57-6	STBL3028	99%	5,045.0	µg/mL	+/-	85.0236

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

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

Quality Confirmation Test

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

Carrier Gas:
helium-constant pressure 30 psi

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

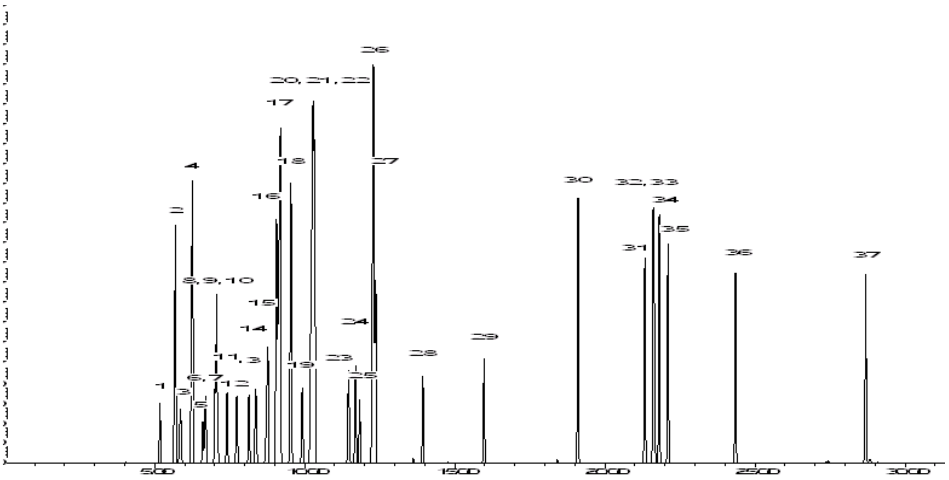
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
25.0 ml/min.

Inj. Vol
1µl



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

Brittany Federinko - Operations Tech I

Date Mixed: 24-May-2024 **Balance Serial #** B251644995

Marlina Cowan -- Operations Tech II ARM QC

Date Passed: 30-May-2024

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_MegaMix#2_00199

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 577487 **Lot No.:** A0212010

Description : Custom VOC MegaMix® #2 Standard

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

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

Expiration Date : May 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	n-Pentane (C5)	109-66-0	STBK5006	99%	5,041.0 µg/mL	+/- 84.9562
2	2-Propanol (isopropanol)	67-63-0	SHBR1699	99%	25,199.0 µg/mL	+/- 412.0520
3	1,1,2-Trichlorotrifluoroethane (CFC-113)	76-13-1	00009482	99%	5,039.2 µg/mL	+/- 84.9253
4	tert-Butanol (TBA)	75-65-0	SHBQ8002	99%	25,207.0 µg/mL	+/- 412.1828
5	Methyl acetate	79-20-9	SHBP3100	99%	5,037.0 µg/mL	+/- 84.8888
6	Iodomethane (methyl iodide)	74-88-4	RD240405RSR	99%	5,048.3 µg/mL	+/- 85.0798
7	Allyl chloride (3-chloropropene)	107-05-1	RD240221ECS	99%	5,046.7 µg/mL	+/- 85.0517
8	Carbon disulfide	75-15-0	Q30J743	99%	5,036.0 µg/mL	+/- 84.8719
9	Acrylonitrile	107-13-1	MKCN8129	99%	12,598.0 µg/mL	+/- 206.0015
10	Methyl-tert-butyl ether (MTBE)	1634-04-4	SHBQ4873	99%	5,040.7 µg/mL	+/- 84.9506
11	n-Hexane (C6)	110-54-3	102412P22T	99%	5,042.5 µg/mL	+/- 84.9815
12	Diisopropyl ether (DIPE)	108-20-3	STBK8028	99%	5,042.7 µg/mL	+/- 84.9843
13	Chloroprene (2-chloro-1,3-butadiene)	126-99-8	S240508RSR	99%	5,049.7 µg/mL	+/- 85.1023
14	Ethyl-tert-butyl ether (ETBE)	637-92-3	MKCT4522	98%	5,049.9 µg/mL	+/- 85.1069
15	Propionitrile	107-12-0	BCCH7430	99%	25,211.0 µg/mL	+/- 412.2482
16	Methacrylonitrile	126-98-7	1012014	99%	12,613.0 µg/mL	+/- 206.2467

17	Isobutanol (2-Methyl-1-propanol)	78-83-1	SHBR1206	99%	63,123.0	µg/mL	+/-	1,032.1821
18	Tetrahydrofuran	109-99-9	SHBQ8516	99%	25,247.0	µg/mL	+/-	412.8369
19	Cyclohexane	110-82-7	MKCS9749	99%	5,046.2	µg/mL	+/-	85.0433
20	1-Butanol	71-36-3	101601K21K	99%	63,110.0	µg/mL	+/-	1,031.9695
21	tert-Amyl methyl ether (TAME)	994-05-8	HMBJ0825	99%	5,038.5	µg/mL	+/-	84.9141
22	n-Heptane (C7)	142-82-5	044743T03G	99%	5,049.2	µg/mL	+/-	85.0938
23	tert-Amyl ethyl ether (TAEE)	919-94-8	IKVYB	97%	5,038.8	µg/mL	+/-	84.9196
24	Methylcyclohexane	108-87-2	SHBN1699	99%	5,044.8	µg/mL	+/-	85.0208
25	Methyl methacrylate	80-62-6	MKCQ2756	99%	5,048.0	µg/mL	+/-	85.0742
26	1,4-Dioxane	123-91-1	SHBQ2407	99%	63,103.0	µg/mL	+/-	1,031.8550
27	2-Nitropropane	79-46-9	BCCB9352	97%	25,238.4	µg/mL	+/-	412.6967
28	Ethyl methacrylate	97-63-2	MKCN6206	97%	5,046.9	µg/mL	+/-	85.0558
29	1-Chlorohexane	544-10-5	BCBS3368V	99%	5,044.5	µg/mL	+/-	85.0152
30	trans-1,4-dichloro-2-butene	110-57-6	RP240130CTH	98%	12,602.8	µg/mL	+/-	206.0799
31	1,2,3-Trimethylbenzene	526-73-8	8776.10-38	99%	5,043.7	µg/mL	+/-	85.0012
32	1,3-Diethylbenzene	141-93-5	BCBZ6270	99%	5,048.3	µg/mL	+/-	85.0798
33	Benzyl chloride	100-44-7	MKCM5986	99%	5,039.8	µg/mL	+/-	84.9365
34	1,4-Diethylbenzene	105-05-5	1135.72-1	99%	5,048.2	µg/mL	+/-	85.0770
35	1,2-Diethylbenzene	135-01-3	BCCG9282	99%	5,049.3	µg/mL	+/-	85.0967
36	1,3,5-Trichlorobenzene	108-70-3	11319AS	99%	5,046.3	µg/mL	+/-	85.0461
37	2-Methylnaphthalene	91-57-6	STBL3028	99%	5,045.0	µg/mL	+/-	85.0236

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

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

Quality Confirmation Test

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

Carrier Gas:
helium-constant pressure 30 psi

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

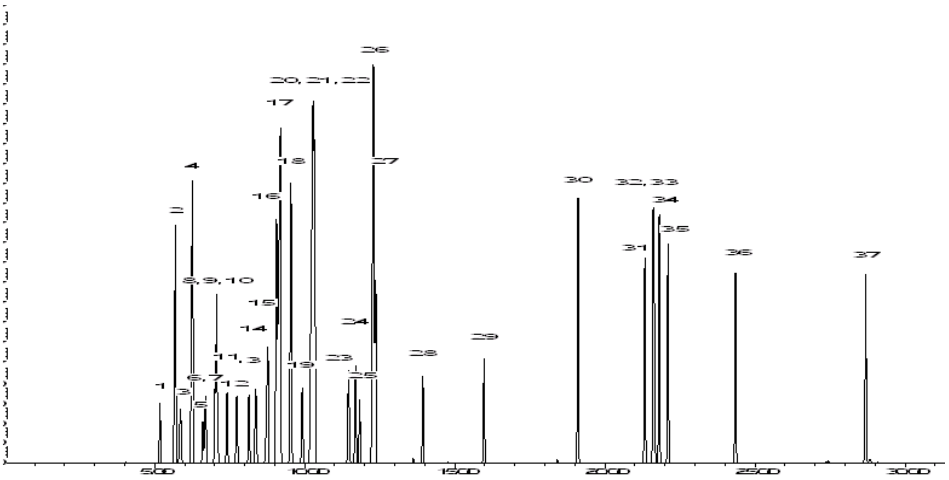
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
25.0 ml/min.

Inj. Vol
1µl



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

Brittany Federinko - Operations Tech I

Date Mixed: 24-May-2024 **Balance Serial #** B251644995

Marlina Cowan -- Operations Tech II ARM QC

Date Passed: 30-May-2024

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_Q_Ketones_00188

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

Description : 8260 List 1/ Std #2 Ketones (2015)

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

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

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

Ship: Ambient

CERTIFIED VALUES

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

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

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

Quality Confirmation Test

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

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

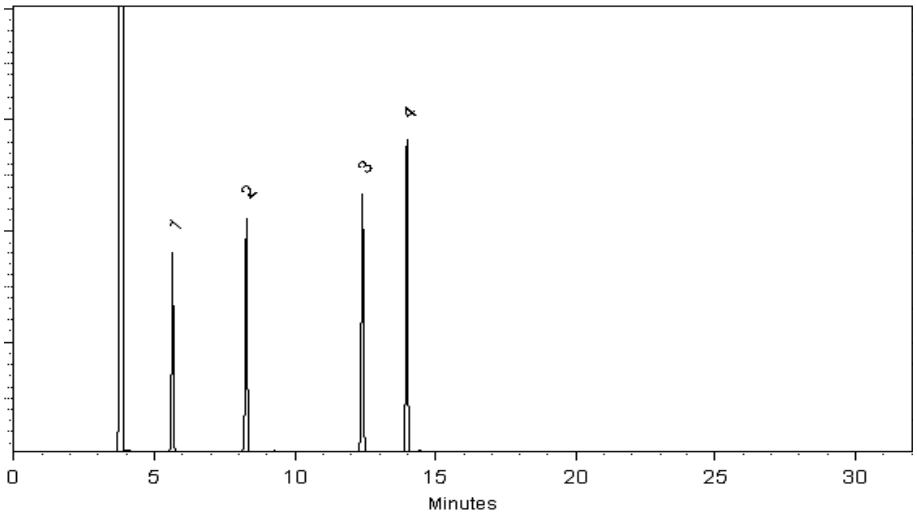
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
0.2µl



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

Bryan Snyder - Operations Tech I

Date Mixed: 14-Feb-2023 **Balance Serial #** 1128342314

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-Feb-2023

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_Q_Ketones_00217

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

Description : 8260 List 1/ Std #2 Ketones (2015)

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

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

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

Ship: Ambient

CERTIFIED VALUES

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

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

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

Quality Confirmation Test

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

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

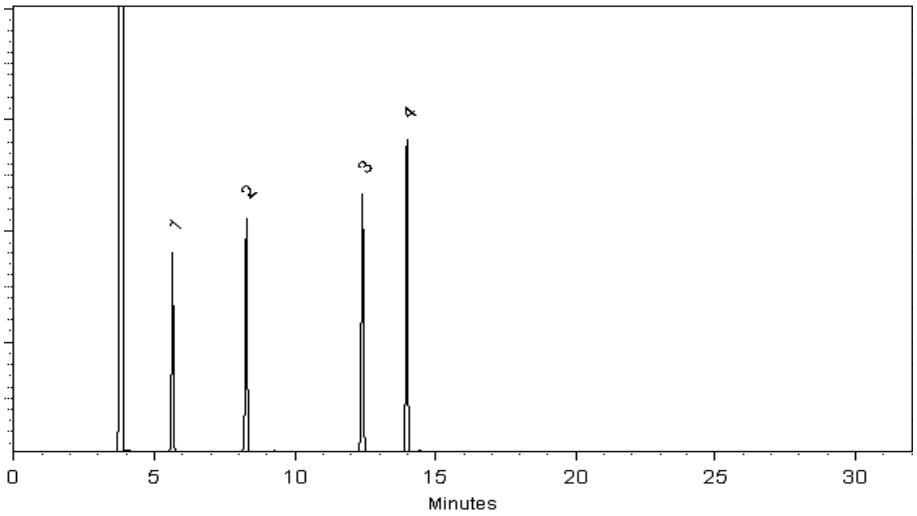
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
0.2µl



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

Bryan Snyder - Operations Tech I

Date Mixed: 14-Feb-2023 **Balance Serial #** 1128342314

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-Feb-2023

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_Q_Ketones_00222

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 569721.SEC **Lot No.:** A0209876

Description : 8260 List 1/ Std #2 Ketones (2015)

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

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

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

Ship: Ambient

CERTIFIED VALUES

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

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

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

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

Purity 99%

Quality Confirmation Test

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

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

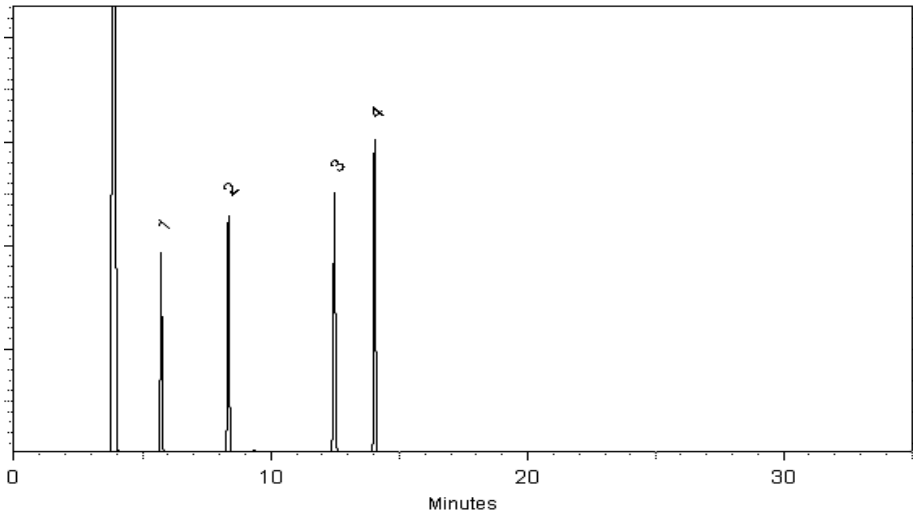
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
0.2µl



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

Ethan Winiarski - Operations Tech I

Date Mixed: 05-Apr-2024 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 09-Apr-2024

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_QC_2K_GAS_00160

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

Description : Custom Gases.SEC Standard

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

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

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

Ship: Ambient

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

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

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

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

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

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

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

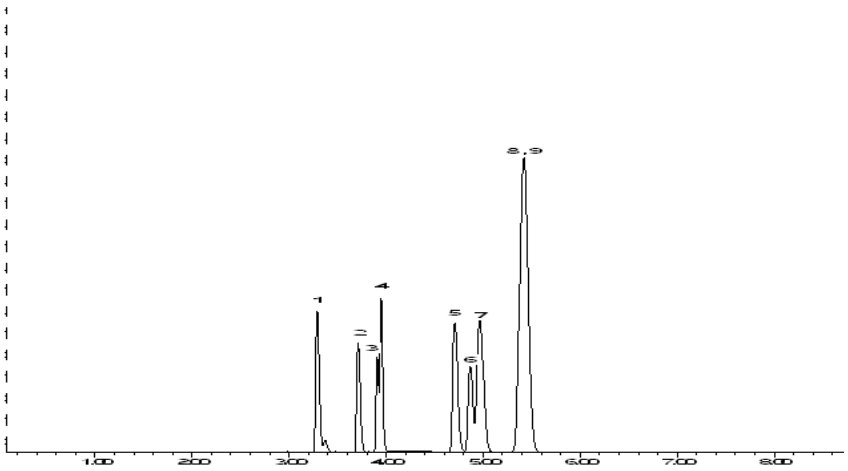
Carrier Gas:
helium-constant flow 2.0 mL/min.

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

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD



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

Brandon Reish - Mix Technician

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

Marlina Cowan - Operations Tech I

Date Passed: 10-May-2022

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_QC_2K_GAS_00233

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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Certificate #3222.02

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

Description : Custom Gases.SEC Standard

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

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

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

Ship: Ambient

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

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

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

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

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

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

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

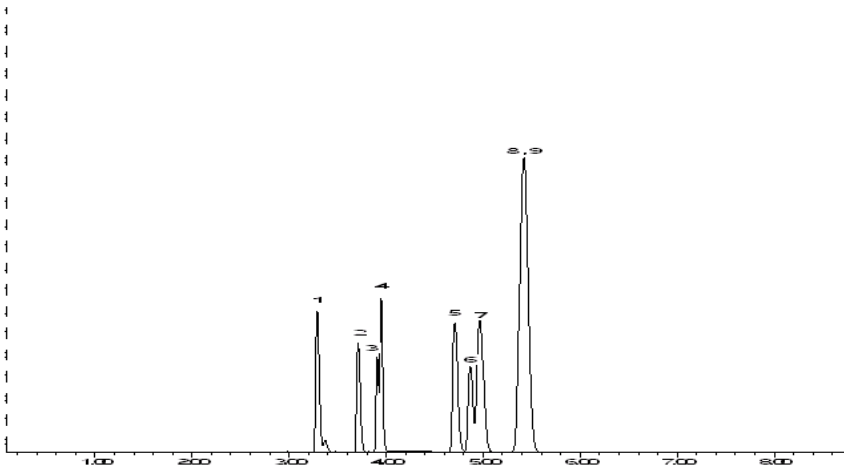
Carrier Gas:
helium-constant flow 2.0 mL/min.

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

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD



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

Brandon Reish - Mix Technician

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

Marlina Cowan - Operations Tech I

Date Passed: 10-May-2022

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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

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

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

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

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

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

Manufacturing Notes:

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

Handling Notes:

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Reagent

MSV_QC_2K_GAS_00273

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

Description : Custom Gases.SEC Standard

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

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

Expiration Date : May 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

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

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

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

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

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

Quality Confirmation Test

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

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

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

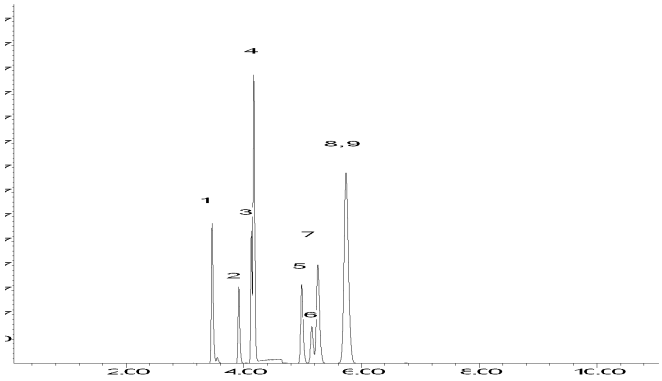
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



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

Matt Fragassi - Mix Technician

Date Mixed: 15-May-2024 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 22-May-2024

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
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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:

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

Handling Notes:

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

Reagent

MSV_QC_2K_GAS_00275

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

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CERTIFIED REFERENCE MATERIAL

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ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

Description : Custom Gases.SEC Standard

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

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

Expiration Date : May 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

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

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

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

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

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

Quality Confirmation Test

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

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

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

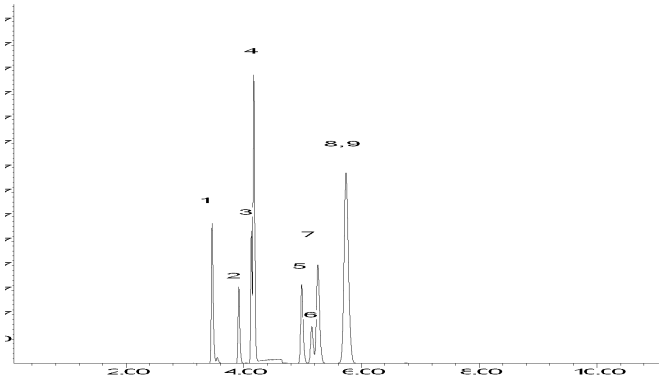
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



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

Matt Fragassi - Mix Technician

Date Mixed: 15-May-2024 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 22-May-2024

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_QC_2K_GAS_00276

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

Description : Custom Gases.SEC Standard

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

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

Expiration Date : May 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

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

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

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

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

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

Quality Confirmation Test

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

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

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

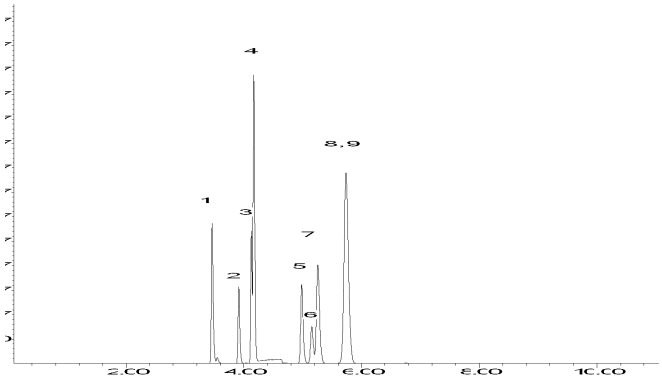
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



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

Matt Fragassi - Mix Technician

Date Mixed: 15-May-2024 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 22-May-2024

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_V#2B_00386

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 56734 **Lot No.:** A0211456

Description : Custom V # 2B Standard

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

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

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

Ship: Ambient

Elution Order	Compound	CAS #	Percent Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	2-Propanol (isopropanol)	67-63-0	99%	25,027.0 µg/mL	+/- 146.5386 µg/mL
2	tert-Butanol (TBA)	75-65-0	99%	25,028.0 µg/mL	+/- 146.5444 µg/mL
3	Propionitrile	107-12-0	99%	25,017.0 µg/mL	+/- 146.4800 µg/mL
4	Methacrylonitrile	126-98-7	99%	12,514.0 µg/mL	+/- 73.2722 µg/mL
5	Isobutanol (2-Methyl-1-propanol)	78-83-1	99%	62,518.0 µg/mL	+/- 366.0566 µg/mL
6	1-Butanol	71-36-3	99%	125,047.0 µg/mL	+/- 732.1399 µg/mL
7	1,4-Dioxane	123-91-1	99%	62,517.0 µg/mL	+/- 366.0508 µg/mL
8	trans-1,4-dichloro-2-butene	110-57-6	98%	12,522.4 µg/mL	+/- 73.3216 µg/mL
Solvent:	P&T Methanol	67-56-1	99%		

Specific Reference Material Notes:

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

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.)

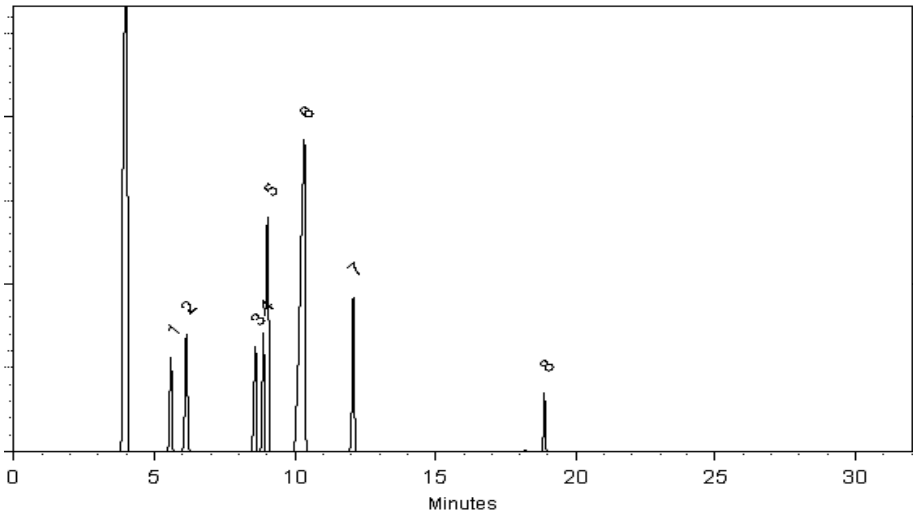
Inj. Temp:
200°C

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: 15-May-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 20-May-2024

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

General Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Uncertainty Value Notes:

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_V_2CLEVE_00184

RESTEK
110 Benner Circle
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

Description : Custom 2-CEVE Standard

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

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

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

Ship: Ambient

CERTIFIED VALUES

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

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

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

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

Quality Confirmation Test

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

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

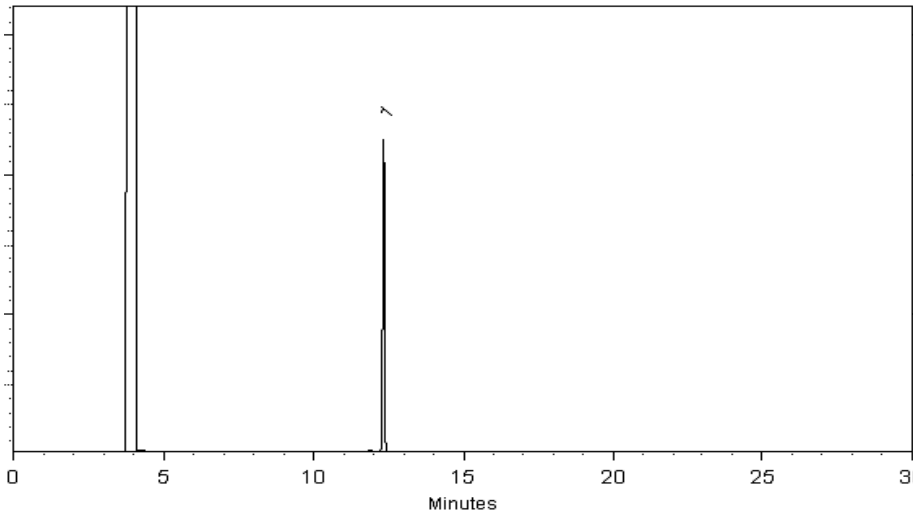
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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

Russ Bookhamer - Operations Technician I

Date Mixed: 26-Apr-2023 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 05-May-2023

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_V_Ketones_00167

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

Description : 8260 List 1/ Std #2 Ketones (2015)

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

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

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

Ship: Ambient

CERTIFIED VALUES

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

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

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

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

Purity 99%

Quality Confirmation Test

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

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

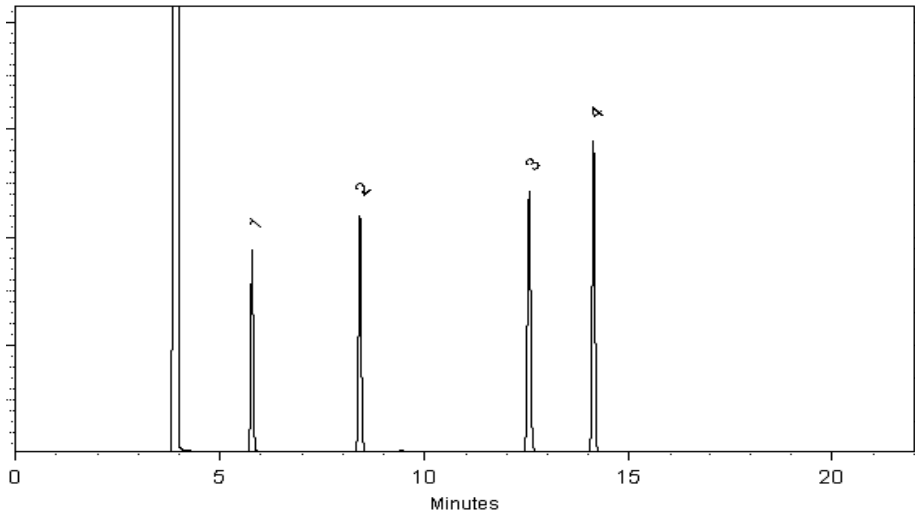
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
0.2µl



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

Bethany Lowery - Operations Tech I

Date Mixed: 12-Jan-2023 **Balance Serial #** B251644995

Christie Mills - Operations Tech II - ARM QC

Date Passed: 16-Jan-2023

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_V_Ketones_00191

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 569721 **Lot No.:** A0203422

Description : 8260 List 1/ Std #2 Ketones (2015)

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

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

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

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	27D1062005	99%	12,507.0 µg/mL	+/- 432.2709
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	12,507.0 µg/mL	+/- 432.2709
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	12,507.0 µg/mL	+/- 432.2709
4	2-Hexanone	591-78-6	MKCQ6663	99%	12,506.0 µg/mL	+/- 432.2364

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

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

Quality Confirmation Test

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

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

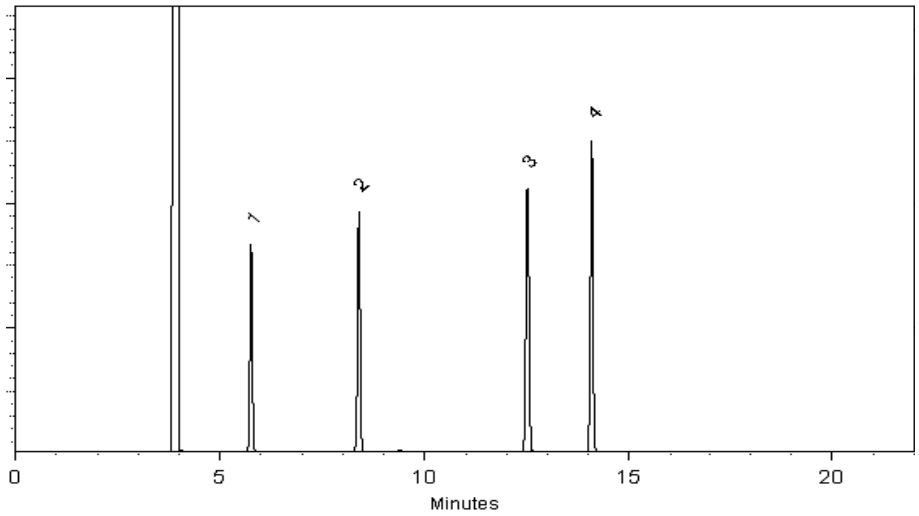
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
0.2µl



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

Laith Clemente - Operations Technician I

Date Mixed: 20-Oct-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 25-Oct-2023

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_V_Ketones_00200

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

Description : 8260 List 1/ Std #2 Ketones (2015)

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

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

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

Ship: Ambient

CERTIFIED VALUES

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

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

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

Quality Confirmation Test

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

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

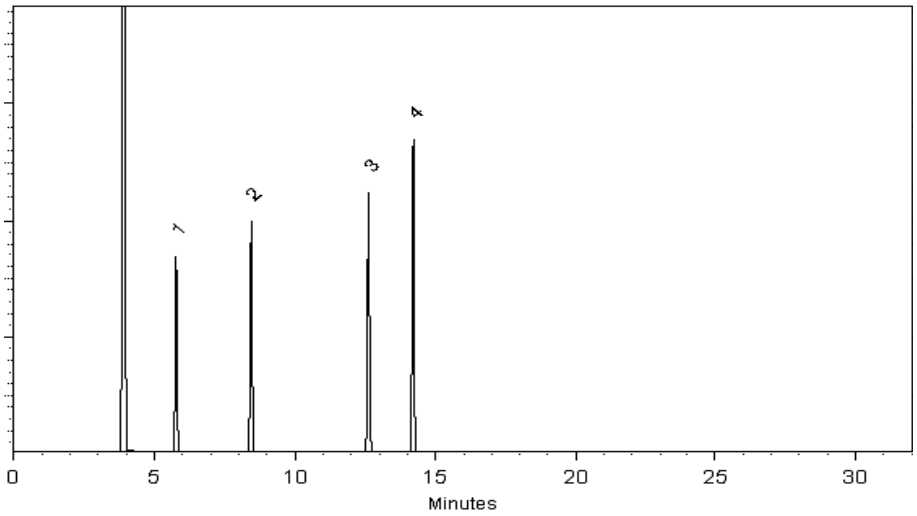
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
0.2µl



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

Stacey Wanner - Operations Technician I

Date Mixed: 30-Apr-2024 **Balance Serial #** B707717271

Dillan Murphy - Operations Technician I

Date Passed: 02-May-2024

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_V_Ketones_00201

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569721 **Lot No.:** A0210935

Description : 8260 List 1/ Std #2 Ketones (2015)

8260 List 1/ Std #2 Ketones (2015) 12,500µg/mL, P&T Methanol/Water (90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	12,591.3 µg/mL	+/- 435.1857
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	12,561.0 µg/mL	+/- 434.1373
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	12,580.0 µg/mL	+/- 434.7940
4	2-Hexanone	591-78-6	MKCV1997	99%	12,580.7 µg/mL	+/- 434.8170

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)

CAS # 67-56-1/7732-18-5

Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

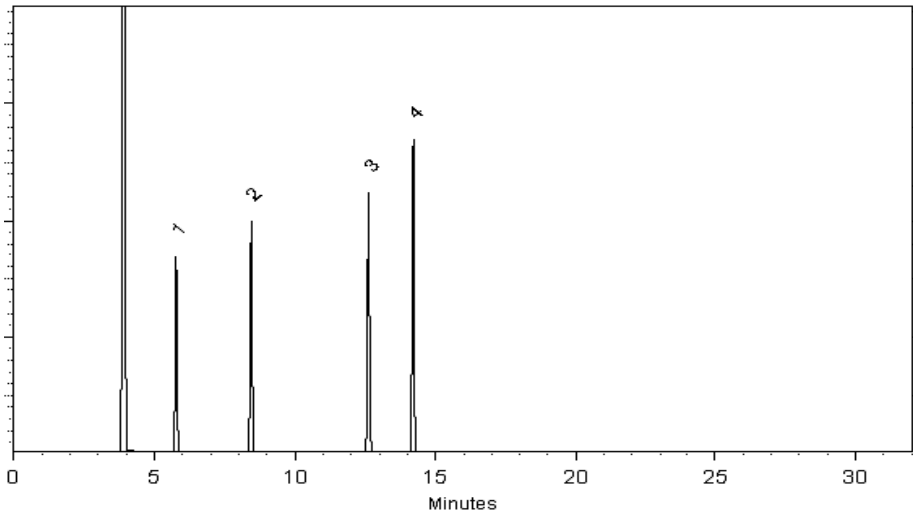
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Stacey Wanner - Operations Technician I

Date Mixed: 30-Apr-2024 **Balance Serial #** B707717271

Dillan Murphy - Operations Technician I

Date Passed: 02-May-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_V_PentaCL_00048

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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 577491 **Lot No.:** A0184174

Description : Custom Pentachloroethane Standard

Custom Pentachloroethane Standard 5,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2025 **Storage:** 0°C or colder

Ship: Ambient

C E R T I F I E D V A L U E S

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Pentachloroethane	5,022.0 µg/mL	+/- 29.4719 µg/mL	Gravimetric
	CAS # 76-01-7 (Lot 10518800)		+/- 281.6071 µg/mL	Unstressed
	Purity 99%		+/- 288.1950 µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

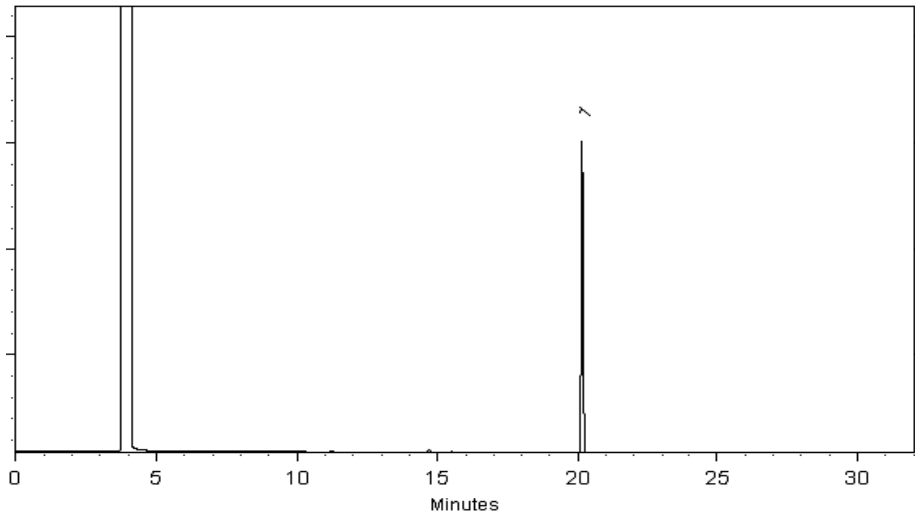
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Nick Yaw - Operations Tech I

Date Mixed: 15-Apr-2022 **Balance:** B707717271

Christie Mills - Operations Technician II

Date Passed: 20-Apr-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

Reagent

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Certificate #3222.01

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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 577491 **Lot No.:** A0184174

Description : Custom Pentachloroethane Standard

Custom Pentachloroethane Standard 5,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2025 **Storage:** 0°C or colder

Ship: Ambient

C E R T I F I E D V A L U E S

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Pentachloroethane	5,022.0 µg/mL	+/- 29.4719 µg/mL	Gravimetric
	CAS # 76-01-7 (Lot 10518800)		+/- 281.6071 µg/mL	Unstressed
	Purity 99%		+/- 288.1950 µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

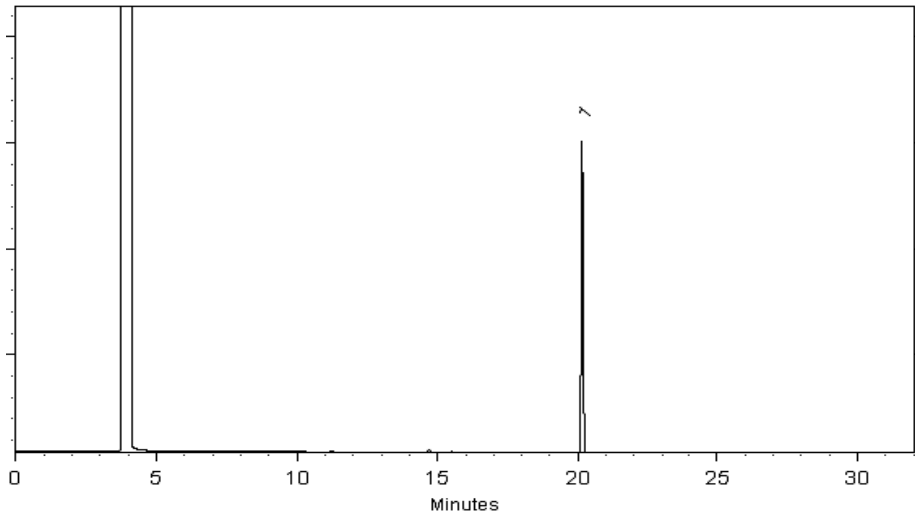
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Nick Yaw - Operations Tech I

Date Mixed: 15-Apr-2022 **Balance:** B707717271

Christie Mills - Operations Technician II

Date Passed: 20-Apr-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

Reagent

MSV_V_PentaCL_00071

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 577491 **Lot No.:** A0197490

Description : Custom Pentachloroethane Standard

Custom Pentachloroethane Standard 5,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pentachloroethane	76-01-7	13550700	97%	5,011.0 µg/mL	+/- 281.5258

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol

CAS # 67-56-1

Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

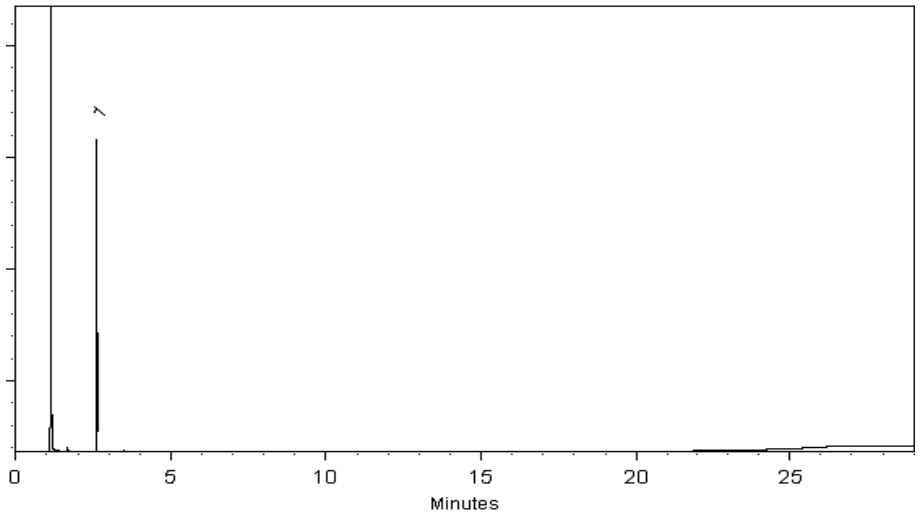
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Nick Yaw - Operations Tech I

Date Mixed: 26-Apr-2023 **Balance Serial #** B251644995

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 02-May-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_V_SMFreon_00039

RESTEK®
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 577490 **Lot No.:** A0184508

Description : Custom SM Freons Standard

Custom SM Freons Standard 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2025 **Storage:** 0°C or colder

Ship: Ambient

C E R T I F I E D V A L U E S

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Chlorotrifluoroethylene	2,000.6 µg/mL	+/- 37.3988 µg/mL	Gravimetric
	CAS # 79-38-9 (Lot 202600)		+/- 117.6695 µg/mL	Unstressed
	Purity 99%		+/- 120.1742 µg/mL	Stressed
2	Chlorodifluoromethane (CFC-22)	2,004.5 µg/mL	+/- 79.7514 µg/mL	Gravimetric
	CAS # 75-45-6 (Lot Q162-44)		+/- 137.3187 µg/mL	Unstressed
	Purity 99%		+/- 139.4793 µg/mL	Stressed
3	2-Chloro-1,1,1-trifluoroethane (HCFC-133a)	2,000.3 µg/mL	+/- 53.9352 µg/mL	Gravimetric
	CAS # 75-88-7 (Lot Q157-146)		+/- 123.9040 µg/mL	Unstressed
	Purity 99%		+/- 126.2843 µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

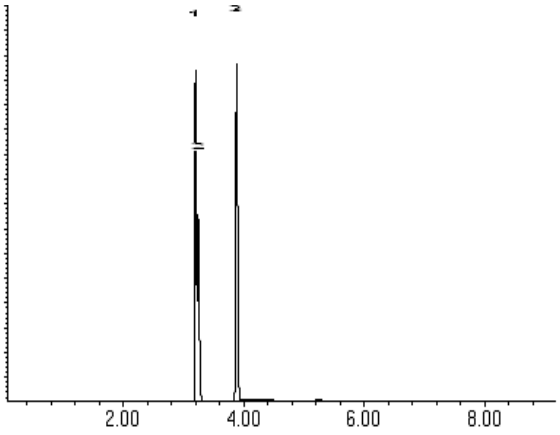
Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Cathleen Soltis - Mix Technician

Date Mixed: 25-Apr-2022 **Balance:** B707717271

Christie Mills - Operations Technician II

Date Passed: 02-May-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

Reagent

MSV_V_SMFreon_00069

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 577490 **Lot No.:** A0197864

Description : Custom SM Freons Standard

Custom SM Freons Standard 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Chlorotrifluoroethylene	79-38-9	202600	99%	1,999.9 µg/mL	+/- 116.8216
2	Chlorodifluoromethane (CFC-22)	75-45-6	Q162-44	99%	2,004.5 µg/mL	+/- 121.9609
3	2-Chloro-1,1,1-trifluoroethane (HCFC-133a)	75-88-7	Q157-146	99%	1,991.8 µg/mL	+/- 129.5770

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

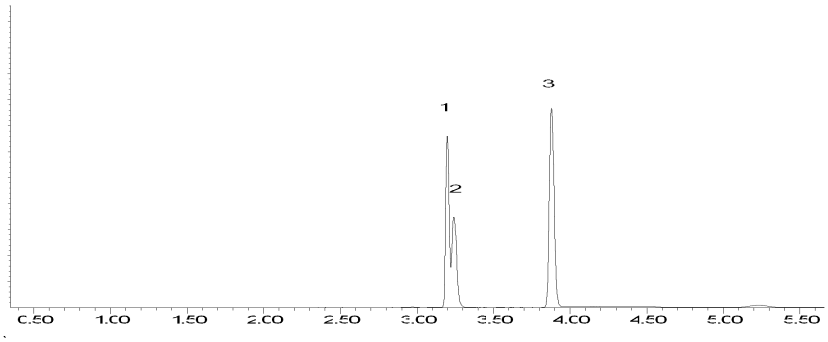
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 09-May-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-May-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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.: 410-193020-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): R-624SilMS ID: 0.25(mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
HD-COD-SW-6-0/1-0	410-193020-1	100	96	101	99
HD-COD-SW-7-0/1-0	410-193020-2	102	97	105	98
HD-COD-SW-8-0/1-0	410-193020-3	100	96	107	98
HD-COD-SW-9-0/1-0	410-193020-4	101	96	106	99
HD-COD-SW-13-0/1-0	410-193020-5	104	99	105	99
HD-COD-SW-15-0/1-0	410-193020-6	101	98	104	99
HD-COD-SW-16-0/1-0	410-193020-7	101 cn	92 cn	104 cn	98 cn
HD-COD-SW-17-0/1-0	410-193020-8	109	106	93	86
HD-COD-SW-17-0/1-0 DL	410-193020-8 DL	109	107	95	89
HD-COD-SW-26-0/1-0	410-193020-9	100	95	103	99
HD-COD-SW-27-0/1-0	410-193020-10	101 cn	93 cn	104 cn	98 cn
HD-COD-SW-28-0/1-0	410-193020-11	100	94	103	100
HD-COD-SW-29-0/1-0	410-193020-12	98	92	104	97
HD-QC1-0/1-1	410-193020-13	102	96	106	102
HD-QC1-0/1-1 DL	410-193020-13 DL	110	110	94	87
HD-QC1-0/1-2	410-193020-14	101	97	105	101
	MB 410-566703/7	102	97	106	99
	MB 410-569172/6	109	109	95	87
	MB 410-569353/10	103	100	97	99
	LCS 410-566703/4	102	97	104	102
	LCS 410-569172/4	106	102	98	93
	LCS 410-569353/5	102	100	98	99
	LCSD 410-566703/5	102	100	105	102
	LCSD 410-569353/6	103	102	98	100
HD-COD-SW-15-0/1-0 MS MS	410-193020-6 MS	103	102	97	100
HD-COD-SW-15-0/1-0 MSD MSD	410-193020-6 MSD	104	101	97	98

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	80-120
DCA = 1,2-Dichloroethane-d4 (Surr)	80-120
TOL = Toluene-d8 (Surr)	80-120
BFB = 4-Bromofluorobenzene (Surr)	80-120

Column to be used to flag recovery values

FORM II 8260D

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Matrix: Water Level: Low Lab File ID: GC23X03.D

Lab ID: LCS 410-566703/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	5.00	5.38	108	80-122	
1,1,1-Trichloroethane	5.00	5.82	116	78-126	
1,1,2,2-Tetrachloroethane	5.00	5.81	116	75-123	
1,1,2-Trichloroethane	5.00	5.45	109	80-120	
1,1-Dichloroethane	5.00	5.90	118	74-120	
1,1-Dichloroethene	5.00	5.31	106	80-131	
1,2-Dibromoethane (EDB)	5.00	5.43	109	80-120	
1,2-Dichloroethane	5.00	5.93	119	69-122	
1,2-Dichloropropane	5.00	5.69	114	80-120	
2-Butanone (MEK)	62.5	62.4	100	59-141	
2-Hexanone	62.5	65.4	105	52-140	
4-Methyl-2-pentanone (MIBK)	62.5	62.9	101	55-140	
Acetone	62.5	56.5	90	60-146	
Benzene	5.00	5.38	108	80-120	
Bromochloromethane	5.00	5.29	106	80-133	
Bromodichloromethane	5.00	5.79	116	80-123	
Bromoform	5.00	5.36	107	75-126	
Bromomethane	5.00	5.79	116	63-120	
Carbon disulfide	5.00	5.12	102	67-130	
Carbon tetrachloride	5.00	5.65	113	64-141	
Chlorobenzene	5.00	5.35	107	80-120	
Chloroethane	5.00	6.02	120	63-120	
Chloroform	5.00	5.67	113	80-120	
Chloromethane	5.00	5.96	119	56-124	
cis-1,2-Dichloroethene	5.00	5.37	107	80-122	
cis-1,3-Dichloropropene	5.00	5.15	103	67-121	
Dibromochloromethane	5.00	5.53	111	80-123	
Ethylbenzene	5.00	5.55	111	80-120	
Methyl tert-butyl ether	5.00	5.05	101	69-120	
Methylene Chloride	5.00	5.25	105	80-120	
Styrene	5.00	5.44	109	80-120	
Tetrachloroethene	5.00	5.05	101	80-120	
Toluene	5.00	5.30	106	80-120	
trans-1,2-Dichloroethene	5.00	5.30	106	80-122	
trans-1,3-Dichloropropene	5.00	5.62	112	61-129	
Trichloroethene	5.00	5.39	108	80-120	
Vinyl chloride	5.00	5.89	118	60-125	
Xylenes, Total	15.0	16.3	109	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Matrix: Water Level: Low Lab File ID: CC29X33.D

Lab ID: LCS 410-569172/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	5.00	5.26	105	80-122	
1,1,1-Trichloroethane	5.00	5.42	108	78-126	
1,1,2,2-Tetrachloroethane	5.00	4.49	90	75-123	
1,1,2-Trichloroethane	5.00	4.95	99	80-120	
1,1-Dichloroethane	5.00	4.75	95	74-120	
1,1-Dichloroethene	5.00	5.46	109	80-131	
1,2-Dibromoethane (EDB)	5.00	4.92	98	80-120	
1,2-Dichloroethane	5.00	5.49	110	69-122	
1,2-Dichloropropane	5.00	4.57	91	80-120	
2-Butanone (MEK)	62.5	60.1	96	59-141	
2-Hexanone	62.5	62.9	101	52-140	
4-Methyl-2-pentanone (MIBK)	62.5	62.3	100	55-140	
Acetone	62.5	61.9	99	60-146	
Benzene	5.00	4.78	96	80-120	
Bromochloromethane	5.00	5.60	112	80-133	
Bromodichloromethane	5.00	5.20	104	80-123	
Bromoform	5.00	4.87	97	75-126	
Bromomethane	5.00	4.52	90	63-120	
Carbon disulfide	5.00	4.59	92	67-130	
Carbon tetrachloride	5.00	5.50	110	64-141	
Chlorobenzene	5.00	5.09	102	80-120	
Chloroethane	5.00	3.94	79	63-120	
Chloroform	5.00	4.90	98	80-120	
Chloromethane	5.00	3.63	73	56-124	
cis-1,2-Dichloroethene	5.00	4.98	100	80-122	
cis-1,3-Dichloropropene	5.00	4.52	90	67-121	
Dibromochloromethane	5.00	5.04	101	80-123	
Ethylbenzene	5.00	4.75	95	80-120	
Methyl tert-butyl ether	5.00	4.52	90	69-120	
Methylene Chloride	5.00	4.69	94	80-120	
Styrene	5.00	4.98	100	80-120	
Tetrachloroethene	5.00	5.19	104	80-120	
Toluene	5.00	4.83	97	80-120	
trans-1,2-Dichloroethene	5.00	5.10	102	80-122	
trans-1,3-Dichloropropene	5.00	4.60	92	61-129	
Trichloroethene	5.00	4.91	98	80-120	
Vinyl chloride	5.00	3.76	75	60-125	
Xylenes, Total	15.0	14.9	99	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Matrix: Water Level: Low Lab File ID: HC30X04.D

Lab ID: LCS 410-569353/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	5.00	5.57	111	80-122	
1,1,1-Trichloroethane	5.00	6.08	122	78-126	
1,1,2,2-Tetrachloroethane	5.00	4.89	98	75-123	
1,1,2-Trichloroethane	5.00	5.12	102	80-120	
1,1-Dichloroethane	5.00	5.85	117	74-120	
1,1-Dichloroethene	5.00	6.36	127	80-131	
1,2-Dibromoethane (EDB)	5.00	5.26	105	80-120	
1,2-Dichloroethane	5.00	5.61	112	69-122	
1,2-Dichloropropane	5.00	5.68	114	80-120	
2-Butanone (MEK)	62.5	67.9	109	59-141	
2-Hexanone	62.5	67.1	107	52-140	
4-Methyl-2-pentanone (MIBK)	62.5	63.6	102	55-140	
Acetone	62.5	62.7	100	60-146	
Benzene	5.00	5.64	113	80-120	
Bromochloromethane	5.00	5.69	114	80-133	
Bromodichloromethane	5.00	5.74	115	80-123	
Bromoform	5.00	5.96	119	75-126	
Bromomethane	5.00	5.49	110	63-120	
Carbon disulfide	5.00	5.54	111	67-130	
Carbon tetrachloride	5.00	6.45	129	64-141	
Chlorobenzene	5.00	5.60	112	80-120	
Chloroethane	5.00	5.56	111	63-120	
Chloroform	5.00	5.82	116	80-120	
Chloromethane	5.00	5.15	103	56-124	
cis-1,2-Dichloroethene	5.00	5.64	113	80-122	
cis-1,3-Dichloropropene	5.00	5.41	108	67-121	
Dibromochloromethane	5.00	5.67	113	80-123	
Ethylbenzene	5.00	5.53	111	80-120	
Methyl tert-butyl ether	5.00	5.06	101	69-120	
Methylene Chloride	5.00	5.62	112	80-120	
Styrene	5.00	5.45	109	80-120	
Tetrachloroethene	5.00	5.78	116	80-120	
Toluene	5.00	5.57	111	80-120	
trans-1,2-Dichloroethene	5.00	6.01	120	80-122	
trans-1,3-Dichloropropene	5.00	5.31	106	61-129	
Trichloroethene	5.00	5.80	116	80-120	
Vinyl chloride	5.00	5.26	105	60-125	
Xylenes, Total	15.0	16.7	112	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Matrix: Water Level: Low Lab File ID: GC23X04.D

Lab ID: LCSD 410-566703/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	5.00	5.07	101	6	30	80-122	
1,1,1-Trichloroethane	5.00	5.41	108	7	30	78-126	
1,1,2,2-Tetrachloroethane	5.00	5.28	106	9	30	75-123	
1,1,2-Trichloroethane	5.00	5.01	100	8	30	80-120	
1,1-Dichloroethane	5.00	5.46	109	8	30	74-120	
1,1-Dichloroethene	5.00	5.07	101	5	30	80-131	
1,2-Dibromoethane (EDB)	5.00	5.12	102	6	30	80-120	
1,2-Dichloroethane	5.00	5.22	104	13	30	69-122	
1,2-Dichloropropane	5.00	5.32	106	7	30	80-120	
2-Butanone (MEK)	62.5	59.2	95	5	30	59-141	
2-Hexanone	62.5	62.1	99	5	30	52-140	
4-Methyl-2-pentanone (MIBK)	62.5	59.7	96	5	30	55-140	
Acetone	62.5	53.5	86	5	30	60-146	
Benzene	5.00	5.04	101	7	30	80-120	
Bromochloromethane	5.00	4.95	99	7	30	80-133	
Bromodichloromethane	5.00	5.32	106	9	30	80-123	
Bromoform	5.00	4.99	100	7	30	75-126	
Bromomethane	5.00	5.33	107	8	30	63-120	
Carbon disulfide	5.00	4.80	96	7	30	67-130	
Carbon tetrachloride	5.00	5.24	105	8	30	64-141	
Chlorobenzene	5.00	5.00	100	7	30	80-120	
Chloroethane	5.00	5.52	110	9	30	63-120	
Chloroform	5.00	5.30	106	7	30	80-120	
Chloromethane	5.00	5.24	105	13	30	56-124	
cis-1,2-Dichloroethene	5.00	4.96	99	8	30	80-122	
cis-1,3-Dichloropropene	5.00	4.89	98	5	30	67-121	
Dibromochloromethane	5.00	5.15	103	7	30	80-123	
Ethylbenzene	5.00	5.19	104	7	30	80-120	
Methyl tert-butyl ether	5.00	4.80	96	5	30	69-120	
Methylene Chloride	5.00	4.96	99	6	30	80-120	
Styrene	5.00	5.05	101	7	30	80-120	
Tetrachloroethene	5.00	4.68	94	8	30	80-120	
Toluene	5.00	4.97	99	6	30	80-120	
trans-1,2-Dichloroethene	5.00	5.01	100	6	30	80-122	
trans-1,3-Dichloropropene	5.00	5.12	102	9	30	61-129	
Trichloroethene	5.00	5.02	100	7	30	80-120	
Vinyl chloride	5.00	5.66	113	4	30	60-125	
Xylenes, Total	15.0	15.0	100	9	30	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Matrix: Water Level: Low Lab File ID: HC30X05.D

Lab ID: LCSD 410-569353/6 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	5.00	5.36	107	4	30	80-122	
1,1,1-Trichloroethane	5.00	5.84	117	4	30	78-126	
1,1,2,2-Tetrachloroethane	5.00	4.71	94	4	30	75-123	
1,1,2-Trichloroethane	5.00	5.02	100	2	30	80-120	
1,1-Dichloroethane	5.00	5.73	115	2	30	74-120	
1,1-Dichloroethene	5.00	6.06	121	5	30	80-131	
1,2-Dibromoethane (EDB)	5.00	5.07	101	4	30	80-120	
1,2-Dichloroethane	5.00	5.60	112	0	30	69-122	
1,2-Dichloropropane	5.00	5.43	109	5	30	80-120	
2-Butanone (MEK)	62.5	61.5	98	10	30	59-141	
2-Hexanone	62.5	61.9	99	8	30	52-140	
4-Methyl-2-pentanone (MIBK)	62.5	58.7	94	8	30	55-140	
Acetone	62.5	57.6	92	8	30	60-146	
Benzene	5.00	5.39	108	5	30	80-120	
Bromochloromethane	5.00	5.46	109	4	30	80-133	
Bromodichloromethane	5.00	5.50	110	4	30	80-123	
Bromoform	5.00	5.91	118	1	30	75-126	
Bromomethane	5.00	5.47	109	1	30	63-120	
Carbon disulfide	5.00	5.32	106	4	30	67-130	
Carbon tetrachloride	5.00	6.19	124	4	30	64-141	
Chlorobenzene	5.00	5.34	107	5	30	80-120	
Chloroethane	5.00	5.40	108	3	30	63-120	
Chloroform	5.00	5.62	112	3	30	80-120	
Chloromethane	5.00	4.95	99	4	30	56-124	
cis-1,2-Dichloroethene	5.00	5.51	110	2	30	80-122	
cis-1,3-Dichloropropene	5.00	5.24	105	3	30	67-121	
Dibromochloromethane	5.00	5.52	110	3	30	80-123	
Ethylbenzene	5.00	5.24	105	5	30	80-120	
Methyl tert-butyl ether	5.00	5.01	100	1	30	69-120	
Methylene Chloride	5.00	5.45	109	3	30	80-120	
Styrene	5.00	5.14	103	6	30	80-120	
Tetrachloroethene	5.00	5.43	109	6	30	80-120	
Toluene	5.00	5.19	104	7	30	80-120	
trans-1,2-Dichloroethene	5.00	5.73	115	5	30	80-122	
trans-1,3-Dichloropropene	5.00	5.02	100	6	30	61-129	
Trichloroethene	5.00	5.46	109	6	30	80-120	
Vinyl chloride	5.00	5.25	105	0	30	60-125	
Xylenes, Total	15.0	15.9	106	5	30	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Matrix: Water Level: Low Lab File ID: HC30X15.D

Lab ID: 410-193020-6 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	5.72	114	80-122	
1,1,1-Trichloroethane	5.00	0.21 J	6.82	132	78-126	FH
1,1,2,2-Tetrachloroethane	5.00	ND	4.98	100	75-123	
1,1,2-Trichloroethane	5.00	ND	5.12	102	80-120	
1,1-Dichloroethane	5.00	ND	6.37	127	74-120	FH
1,1-Dichloroethene	5.00	0.11 J	7.08	139	80-131	FH
1,2-Dibromoethane (EDB)	5.00	ND	5.28	106	80-120	
1,2-Dichloroethane	5.00	ND	5.62	112	69-122	
1,2-Dichloropropane	5.00	ND	5.82	116	80-120	
2-Butanone (MEK)	62.6	ND	62.9	101	59-141	
2-Hexanone	62.6	ND	62.2	99	52-140	
4-Methyl-2-pentanone (MIBK)	62.6	ND	59.5	95	55-140	
Acetone	62.6	ND	59.0	94	60-146	
Benzene	5.00	ND	5.92	118	80-120	
Bromochloromethane	5.00	ND	5.51	110	80-133	
Bromodichloromethane	5.00	ND	5.84	117	80-123	
Bromoform	5.00	ND	5.75	115	75-126	
Bromomethane	5.00	ND	6.06	121	63-120	FH
Carbon disulfide	5.00	ND	6.15	123	67-130	
Carbon tetrachloride	5.00	ND	7.12	142	64-141	FH
Chlorobenzene	5.00	ND	5.79	116	80-120	
Chloroethane	5.00	ND	6.07	121	63-120	FH
Chloroform	5.00	0.18 J	6.32	123	80-120	FH
Chloromethane	5.00	ND	5.75	115	80-120	
cis-1,2-Dichloroethene	5.00	0.76	6.78	120	80-122	
cis-1,3-Dichloropropene	5.00	ND	5.45	109	67-121	
Dibromochloromethane	5.00	ND	5.54	111	80-123	
Ethylbenzene	5.00	ND	5.75	115	80-120	
Methyl tert-butyl ether	5.00	ND	5.16	103	69-120	
Methylene Chloride	5.00	ND	5.76	115	80-120	
Styrene	5.00	ND	5.49	110	80-120	
Tetrachloroethene	5.00	4.1	11.2	141	80-120	FH
Toluene	5.00	ND	5.72	114	80-120	
trans-1,2-Dichloroethene	5.00	ND	6.40	128	80-122	FH
trans-1,3-Dichloropropene	5.00	ND	5.30	106	61-129	
Trichloroethene	5.00	0.85	7.14	126	80-120	FH
Vinyl chloride	5.00	ND	6.19	124	60-125	
Xylenes, Total	15.0	ND	17.2	114	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Matrix: Water Level: Low Lab File ID: HC30X16.D

Lab ID: 410-193020-6 MSD Client ID: HD-COD-SW-15-0/1-0 MSD MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	5.00	5.71	114	0	30	80-122	
1,1,1-Trichloroethane	5.00	6.92	134	1	30	78-126	FH
1,1,2,2-Tetrachloroethane	5.00	5.11	102	3	30	75-123	
1,1,2-Trichloroethane	5.00	5.23	104	2	30	80-120	
1,1-Dichloroethane	5.00	6.41	128	1	30	74-120	FH
1,1-Dichloroethene	5.00	7.22	142	2	30	80-131	FH
1,2-Dibromoethane (EDB)	5.00	5.29	106	0	30	80-120	
1,2-Dichloroethane	5.00	5.91	118	5	30	69-122	
1,2-Dichloropropane	5.00	5.85	117	0	30	80-120	
2-Butanone (MEK)	62.6	63.7	102	1	30	59-141	
2-Hexanone	62.6	64.9	104	4	30	52-140	
4-Methyl-2-pentanone (MIBK)	62.6	61.8	99	4	30	55-140	
Acetone	62.6	61.6	99	4	30	60-146	
Benzene	5.00	5.98	120	1	30	80-120	
Bromochloromethane	5.00	5.80	116	5	30	80-133	
Bromodichloromethane	5.00	5.97	119	2	30	80-123	
Bromoform	5.00	5.98	119	4	30	75-126	
Bromomethane	5.00	5.94	119	2	30	63-120	
Carbon disulfide	5.00	6.14	123	0	30	67-130	
Carbon tetrachloride	5.00	7.23	144	2	30	64-141	FH
Chlorobenzene	5.00	5.67	113	2	30	80-120	
Chloroethane	5.00	5.94	119	2	30	63-120	
Chloroform	5.00	6.37	124	1	30	80-120	FH
Chloromethane	5.00	5.62	112	2	30	80-120	
cis-1,2-Dichloroethene	5.00	6.96	124	3	30	80-122	FH
cis-1,3-Dichloropropene	5.00	5.54	111	2	30	67-121	
Dibromochloromethane	5.00	5.69	114	3	30	80-123	
Ethylbenzene	5.00	5.80	116	1	30	80-120	
Methyl tert-butyl ether	5.00	5.29	106	3	30	69-120	
Methylene Chloride	5.00	6.00	120	4	30	80-120	
Styrene	5.00	5.44	109	1	30	80-120	
Tetrachloroethene	5.00	11.0	137	2	30	80-120	FH
Toluene	5.00	5.72	114	0	30	80-120	
trans-1,2-Dichloroethene	5.00	6.46	129	1	30	80-122	FH
trans-1,3-Dichloropropene	5.00	5.30	106	0	30	61-129	
Trichloroethene	5.00	7.28	129	2	30	80-120	FH
Vinyl chloride	5.00	6.13	123	1	30	60-125	
Xylenes, Total	15.0	17.2	115	0	30	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Lab File ID: GC23X06.D Lab Sample ID: MB 410-566703/7

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: 16334 Date Analyzed: 10/23/2024 11:27

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 410-566703/4	GC23X03.D	10/23/2024 10:21
	LCSD 410-566703/5	GC23X04.D	10/23/2024 10:43
HD-QC1-0/1-2	410-193020-14	GC23X07.D	10/23/2024 11:49
HD-QC1-0/1-1	410-193020-13	GC23X08.D	10/23/2024 12:11
HD-COD-SW-6-0/1-0	410-193020-1	GC23X09.D	10/23/2024 12:33
HD-COD-SW-7-0/1-0	410-193020-2	GC23X10.D	10/23/2024 12:55
HD-COD-SW-8-0/1-0	410-193020-3	GC23X11.D	10/23/2024 13:17
HD-COD-SW-9-0/1-0	410-193020-4	GC23X12.D	10/23/2024 13:40
HD-COD-SW-13-0/1-0	410-193020-5	GC23X13.D	10/23/2024 14:02
HD-COD-SW-15-0/1-0	410-193020-6	GC23X14.D	10/23/2024 14:24
HD-COD-SW-16-0/1-0	410-193020-7	GC23X17.D	10/23/2024 15:30
HD-COD-SW-26-0/1-0	410-193020-9	GC23X19.D	10/23/2024 16:14
HD-COD-SW-27-0/1-0	410-193020-10	GC23X20.D	10/23/2024 16:36
HD-COD-SW-28-0/1-0	410-193020-11	GC23X21.D	10/23/2024 16:58
HD-COD-SW-29-0/1-0	410-193020-12	GC23X22.D	10/23/2024 17:20

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Lab File ID: CC29X35.D Lab Sample ID: MB 410-569172/6

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: 10193 Date Analyzed: 10/29/2024 22:38

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 410-569172/4	CC29X33.D	10/29/2024 21:53
HD-QC1-0/1-1 DL	410-193020-13 DL	CC29X37.D	10/29/2024 23:23
HD-COD-SW-17-0/1-0	410-193020-8	CC29X38.D	10/29/2024 23:45
HD-COD-SW-17-0/1-0 DL	410-193020-8 DL	CC29X39.D	10/30/2024 00:22

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Lab File ID: HC30X09.D Lab Sample ID: MB 410-569353/10

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: 19094 Date Analyzed: 10/30/2024 11:23

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 410-569353/5	HC30X04.D	10/30/2024 09:38
	LCSD 410-569353/6	HC30X05.D	10/30/2024 09:59
HD-COD-SW-15-0/1-0 MS MS	410-193020-6 MS	HC30X15.D	10/30/2024 13:28
HD-COD-SW-15-0/1-0 MSD MSD	410-193020-6 MSD	HC30X16.D	10/30/2024 13:49

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Lab File ID: CU14T01.D BFB Injection Date: 06/14/2024

Instrument ID: 10193 BFB Injection Time: 17:48

Analysis Batch No.: 517601

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	15.5	
75	30.0 - 60.0 % of mass 95	44.2	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.3	
173	Less than 2.0 % of mass 174	0.7	(0.7) 1
174	Greater than 50% of mass 95	91.9	
175	5.0 - 9.0 % of mass 174	6.5	(7.1) 1
176	95.0 - 101.0 % of mass 174	90.6	(98.7) 1
177	5.0 - 9.0 % of mass 176	6.0	(6.6) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 410-517601/3	CU14X02.D	06/14/2024	18:42
	IC 410-517601/4	CU14X03.D	06/14/2024	19:05
	IC 410-517601/5	CU14X04.D	06/14/2024	19:27
	IC 410-517601/6	CU14X05.D	06/14/2024	19:50
	IC 410-517601/7	CU14X06.D	06/14/2024	20:13
	IC 410-517601/8	CU14X07.D	06/14/2024	20:35
	IC 410-517601/9	CU14X08.D	06/14/2024	20:58
	IC 410-517601/13	CU14X12.D	06/14/2024	22:28
	IC 410-517601/14	CU14X13.D	06/14/2024	22:51
	IC 410-517601/15	CU14X14.D	06/14/2024	23:14
	IC 410-517601/16	CU14X15.D	06/14/2024	23:36
	IC 410-517601/17	CU14X16.D	06/14/2024	23:59
	ICIS 410-517601/18	CU14X17.D	06/15/2024	0:22
	IC 410-517601/19	CU14X18.D	06/15/2024	0:45
	ICV 410-517601/21	CU14X20.D	06/15/2024	1:30

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Lab File ID: CC29T31.D BFB Injection Date: 10/29/2024

Instrument ID: 10193 BFB Injection Time: 20:53

Analysis Batch No.: 569172

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	15.6	
75	30.0 - 60.0 % of mass 95	43.7	
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	1.3	(1.3) 1
174	Greater than 50% of mass 95	102.0	
175	5.0 - 9.0 % of mass 174	7.7	(7.5) 1
176	95.0 - 101.0 % of mass 174	97.1	(95.1) 1
177	5.0 - 9.0 % of mass 176	6.5	(6.7) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 410-569172/3	CC29X32.D	10/29/2024	21:31
	LCS 410-569172/4	CC29X33.D	10/29/2024	21:53
	MB 410-569172/6	CC29X35.D	10/29/2024	22:38
HD-QC1-0/1-1 DL	410-193020-13 DL	CC29X37.D	10/29/2024	23:23
HD-COD-SW-17-0/1-0	410-193020-8	CC29X38.D	10/29/2024	23:45
HD-COD-SW-17-0/1-0 DL	410-193020-8 DL	CC29X39.D	10/30/2024	0:22

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Lab File ID: GG26T01.D BFB Injection Date: 08/26/2024

Instrument ID: 16334 BFB Injection Time: 14:02

Analysis Batch No.: 544533

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	15.7	
75	30.0 - 60.0 % of mass 95	46.2	
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	90.9	
175	5.0 - 9.0 % of mass 174	7.2	(7.9) 1
176	95.0 - 101.0 % of mass 174	89.3	(98.3) 1
177	5.0 - 9.0 % of mass 176	6.0	(6.7) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 410-544533/13	GG26X02.D	08/26/2024	14:49
	IC 410-544533/14	GG26X03.D	08/26/2024	15:11
	IC 410-544533/15	GG26X04.D	08/26/2024	15:33
	IC 410-544533/16	GG26X05.D	08/26/2024	15:56
	IC 410-544533/17	GG26X06.D	08/26/2024	16:18
	ICIS 410-544533/18	GG26X07.D	08/26/2024	16:40
	IC 410-544533/19	GG26X08.D	08/26/2024	17:02
	ICV 410-544533/21	GG26X10.D	08/26/2024	17:46

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Lab File ID: GC23T01.D BFB Injection Date: 10/23/2024

Instrument ID: 16334 BFB Injection Time: 09:22

Analysis Batch No.: 566703

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	19.4	
75	30.0 - 60.0 % of mass 95	51.1	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.6	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	Greater than 50% of mass 95	81.5	
175	5.0 - 9.0 % of mass 174	6.3	(7.7) 1
176	95.0 - 101.0 % of mass 174	78.7	(96.6) 1
177	5.0 - 9.0 % of mass 176	5.1	(6.5) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 410-566703/3	GC23X02.D	10/23/2024	9:58
	LCS 410-566703/4	GC23X03.D	10/23/2024	10:21
	LCSD 410-566703/5	GC23X04.D	10/23/2024	10:43
	MB 410-566703/7	GC23X06.D	10/23/2024	11:27
HD-QC1-0/1-2	410-193020-14	GC23X07.D	10/23/2024	11:49
HD-QC1-0/1-1	410-193020-13	GC23X08.D	10/23/2024	12:11
HD-COD-SW-6-0/1-0	410-193020-1	GC23X09.D	10/23/2024	12:33
HD-COD-SW-7-0/1-0	410-193020-2	GC23X10.D	10/23/2024	12:55
HD-COD-SW-8-0/1-0	410-193020-3	GC23X11.D	10/23/2024	13:17
HD-COD-SW-9-0/1-0	410-193020-4	GC23X12.D	10/23/2024	13:40
HD-COD-SW-13-0/1-0	410-193020-5	GC23X13.D	10/23/2024	14:02
HD-COD-SW-15-0/1-0	410-193020-6	GC23X14.D	10/23/2024	14:24
HD-COD-SW-16-0/1-0	410-193020-7	GC23X17.D	10/23/2024	15:30
HD-COD-SW-26-0/1-0	410-193020-9	GC23X19.D	10/23/2024	16:14
HD-COD-SW-27-0/1-0	410-193020-10	GC23X20.D	10/23/2024	16:36
HD-COD-SW-28-0/1-0	410-193020-11	GC23X21.D	10/23/2024	16:58
HD-COD-SW-29-0/1-0	410-193020-12	GC23X22.D	10/23/2024	17:20

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Lab File ID: HC14T01.D BFB Injection Date: 10/14/2024

Instrument ID: 19094 BFB Injection Time: 17:46

Analysis Batch No.: 562891

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	17.0	
75	30.0 - 60.0 % of mass 95	46.6	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.0	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	Greater than 50% of mass 95	89.0	
175	5.0 - 9.0 % of mass 174	7.4	(8.3) 1
176	95.0 - 101.0 % of mass 174	86.2	(96.9) 1
177	5.0 - 9.0 % of mass 176	5.8	(6.7) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 410-562891/3	HC14X02.D	10/14/2024	18:22
	IC 410-562891/4	HC14X03.D	10/14/2024	18:44
	IC 410-562891/5	HC14X04.D	10/14/2024	19:05
	IC 410-562891/6	HC14X05.D	10/14/2024	19:26
	IC 410-562891/7	HC14X06.D	10/14/2024	19:47
	IC 410-562891/8	HC14X07.D	10/14/2024	20:08
	IC 410-562891/9	HC14X08.D	10/14/2024	20:29
	IC 410-562891/13	HC14X12.D	10/14/2024	21:54
	IC 410-562891/14	HC14X13.D	10/14/2024	22:15
	IC 410-562891/15	HC14X14.D	10/14/2024	22:36
	IC 410-562891/16	HC14X15.D	10/14/2024	22:57
	IC 410-562891/17	HC14X16.D	10/14/2024	23:18
	ICIS 410-562891/18	HC14X17.D	10/14/2024	23:39
	IC 410-562891/19	HC14X18.D	10/15/2024	0:00
	ICV 410-562891/21	HC14X20.D	10/15/2024	0:42

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Lab File ID: HC30T01.D BFB Injection Date: 10/30/2024

Instrument ID: 19094 BFB Injection Time: 08:20

Analysis Batch No.: 569353

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	18.3	
75	30.0 - 60.0 % of mass 95	46.6	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.5	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	Greater than 50% of mass 95	91.2	
175	5.0 - 9.0 % of mass 174	7.6	(8.4) 1
176	95.0 - 101.0 % of mass 174	87.2	(95.6) 1
177	5.0 - 9.0 % of mass 176	5.5	(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 410-569353/3	HC30X02.D	10/30/2024	8:56
	LCS 410-569353/5	HC30X04.D	10/30/2024	9:38
	LCSD 410-569353/6	HC30X05.D	10/30/2024	9:59
	MB 410-569353/10	HC30X09.D	10/30/2024	11:23
HD-COD-SW-15-0/1-0 MS MS	410-193020-6 MS	HC30X15.D	10/30/2024	13:28
HD-COD-SW-15-0/1-0 MSD MSD	410-193020-6 MSD	HC30X16.D	10/30/2024	13:49

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Sample No.: ICIS 410-517601/18 Date Analyzed: 06/15/2024 00:22

Instrument ID: 10193 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): CU14X17.D Heated Purge: (Y/N) N

Calibration ID: 62906

		TBAd10		FB		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		188699	3.80	2282400	7.27	1791303	10.90
UPPER LIMIT		377398	4.30	4564800	7.77	3582606	11.40
LOWER LIMIT		94350	3.30	1141200	6.77	895652	10.40
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-517601/21		167301	3.80	2240698	7.27	1763975	10.90
CCVIS 410-569172/3		144466	3.76	2149610	7.23	1763082	10.88

TBAd10 = t-Butyl alcohol-d10 (IS)
FB = Fluorobenzene (IS)
CBZd5 = Chlorobenzene-d5 (IS)

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Sample No.: ICIS 410-517601/18 Date Analyzed: 06/15/2024 00:22

Instrument ID: 10193 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): CU14X17.D Heated Purge: (Y/N) N

Calibration ID: 62906

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
INITIAL CALIBRATION MID-POINT		1059823	12.85				
UPPER LIMIT		2119646	13.35				
LOWER LIMIT		529912	12.35				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-517601/21		1032999	12.85				
CCVIS 410-569172/3		1124976	12.82				

DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Sample No.: CCVIS 410-569172/3 Date Analyzed: 10/29/2024 21:31

Instrument ID: 10193 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): CC29X32.D Heated Purge: (Y/N) N

Calibration ID: 62906

		TBAd10		FB		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		144466	3.76	2149610	7.23	1763082	10.88
UPPER LIMIT		288932	4.26	4299220	7.73	3526164	11.38
LOWER LIMIT		72233	3.26	1074805	6.73	881541	10.38
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-569172/4		146380	3.74	2139929	7.23	1769239	10.88
MB 410-569172/6		149271	3.74	2068541	7.23	1743955	10.88
410-193020-13 DL	HD-QC1-0/1-1 DL	121282	3.76	1904465	7.23	1620106	10.88
410-193020-8	HD-COD-SW-17-0/1-0	120457	3.76	1908283	7.23	1630673	10.88
410-193020-8 DL	HD-COD-SW-17-0/1-0 DL	140235	3.77	2039588	7.23	1696533	10.88

TBAd10 = t-Butyl alcohol-d10 (IS)
TBAd10 = t-Butyl alcohol-d10 (IS)
FB = Fluorobenzene (IS)

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Sample No.: CCVIS 410-569172/3 Date Analyzed: 10/29/2024 21:31

Instrument ID: 10193 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): CC29X32.D Heated Purge: (Y/N) N

Calibration ID: 62906

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
12/24 HOUR STD		1124976	12.82				
UPPER LIMIT		2249952	13.32				
LOWER LIMIT		562488	12.32				
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-569172/4		1094933	12.82				
MB 410-569172/6		974157	12.82				
410-193020-13 DL	HD-QC1-0/1-1 DL	899587	12.82				
410-193020-8	HD-COD-SW-17-0/1-0	900289	12.82				
410-193020-8 DL	HD-COD-SW-17-0/1-0 DL	955965	12.82				

DCBd4 = 1,4-Dichlorobenzene-d4
DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Sample No.: ICIS 410-544533/18 Date Analyzed: 08/26/2024 16:40

Instrument ID: 16334 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): GG26X07.D Heated Purge: (Y/N) N

Calibration ID: 65228

		TBAd10		FB		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		86334	3.92	2209380	7.39	1673760	10.94
UPPER LIMIT		172668	4.42	4418760	7.89	3347520	11.44
LOWER LIMIT		43167	3.42	1104690	6.89	836880	10.44
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-544533/21		84020	3.93	2163002	7.39	1634471	10.94
CCVIS 410-566703/3		103533	3.93	2197989	7.39	1649442	10.93

TBAd10 = t-Butyl alcohol-d10 (IS)
FB = Fluorobenzene (IS)
CBZd5 = Chlorobenzene-d5 (IS)

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Sample No.: ICIS 410-544533/18 Date Analyzed: 08/26/2024 16:40

Instrument ID: 16334 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): GG26X07.D Heated Purge: (Y/N) N

Calibration ID: 65228

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
INITIAL CALIBRATION MID-POINT		940827	12.84				
UPPER LIMIT		1881654	13.34				
LOWER LIMIT		470414	12.34				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-544533/21		914183	12.84				
CCVIS 410-566703/3		904172	12.82				

DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Sample No.: CCVIS 410-566703/3 Date Analyzed: 10/23/2024 09:58

Instrument ID: 16334 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): GC23X02.D Heated Purge: (Y/N) N

Calibration ID: 65228

		TBAd10		FB		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		103533	3.93	2197989	7.39	1649442	10.93
UPPER LIMIT		207066	4.43	4395978	7.89	3298884	11.43
LOWER LIMIT		51767	3.43	1098995	6.89	824721	10.43
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-566703/4		99281	3.95	2071481	7.39	1540563	10.93
LCSD 410-566703/5		105730	3.96	2245191	7.38	1678518	10.93
MB 410-566703/7		96599	3.95	2122480	7.38	1557956	10.93
410-193020-14	HD-QC1-0/1-2	91584	3.96	2099318	7.39	1536159	10.93
410-193020-13	HD-QC1-0/1-1	94293	3.94	2171884	7.38	1572375	10.93
410-193020-1	HD-COD-SW-6-0/1-0	85333	3.96	2107378	7.39	1551299	10.93
410-193020-2	HD-COD-SW-7-0/1-0	81758	3.93	2135814	7.39	1574098	10.93
410-193020-3	HD-COD-SW-8-0/1-0	71449	3.94	1872005	7.38	1358200	10.93
410-193020-4	HD-COD-SW-9-0/1-0	75942	3.95	1895511	7.39	1386429	10.93
410-193020-5	HD-COD-SW-13-0/1-0	77438	3.95	1953514	7.39	1413933	10.93
410-193020-6	HD-COD-SW-15-0/1-0	93844	3.95	2169364	7.39	1571460	10.93
410-193020-7	HD-COD-SW-16-0/1-0	31100*3	4.00	2104299	7.38	1558681	10.93
410-193020-9	HD-COD-SW-26-0/1-0	59040	3.93	2299088	7.38	1680227	10.93
410-193020-10	HD-COD-SW-27-0/1-0	45637*3	3.92	2176094	7.38	1615055	10.93
410-193020-11	HD-COD-SW-28-0/1-0	54071	3.92	2174213	7.38	1608135	10.93
410-193020-12	HD-COD-SW-29-0/1-0	59469	3.90	2324570	7.38	1696444	10.93

TBAd10 = t-Butyl alcohol-d10 (IS)
TBAd10 = t-Butyl alcohol-d10 (IS)
FB = Fluorobenzene (IS)

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits
*3=ISTD response or retention time outside acceptable limits.

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Sample No.: CCVIS 410-566703/3 Date Analyzed: 10/23/2024 09:58

Instrument ID: 16334 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): GC23X02.D Heated Purge: (Y/N) N

Calibration ID: 65228

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
12/24 HOUR STD		904172	12.82				
UPPER LIMIT		1808344	13.32				
LOWER LIMIT		452086	12.32				
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-566703/4		830477	12.83				
LCSD 410-566703/5		907057	12.82				
MB 410-566703/7		792190	12.83				
410-193020-14	HD-QC1-0/1-2	811241	12.83				
410-193020-13	HD-QC1-0/1-1	838151	12.83				
410-193020-1	HD-COD-SW-6-0/1-0	798318	12.83				
410-193020-2	HD-COD-SW-7-0/1-0	844404	12.82				
410-193020-3	HD-COD-SW-8-0/1-0	717249	12.83				
410-193020-4	HD-COD-SW-9-0/1-0	713471	12.83				
410-193020-5	HD-COD-SW-13-0/1-0	736713	12.83				
410-193020-6	HD-COD-SW-15-0/1-0	807947	12.83				
410-193020-7	HD-COD-SW-16-0/1-0	817230	12.83				
410-193020-9	HD-COD-SW-26-0/1-0	912098	12.82				
410-193020-10	HD-COD-SW-27-0/1-0	829031	12.83				
410-193020-11	HD-COD-SW-28-0/1-0	852276	12.83				
410-193020-12	HD-COD-SW-29-0/1-0	878312	12.83				

DCBd4 = 1,4-Dichlorobenzene-d4
DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Sample No.: ICIS 410-562891/18 Date Analyzed: 10/14/2024 23:39

Instrument ID: 19094 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): HC14X17.D Heated Purge: (Y/N) N

Calibration ID: 66594

		TBAd10		FB		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		108835	3.90	2106583	7.41	1520584	10.99
UPPER LIMIT		217670	4.40	4213166	7.91	3041168	11.49
LOWER LIMIT		54418	3.40	1053292	6.91	760292	10.49
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-562891/21		95664	3.92	2119076	7.41	1517805	10.99
CCVIS 410-569353/3		95620	3.93	1834199	7.42	1426960	10.99

TBAd10 = t-Butyl alcohol-d10 (IS)
FB = Fluorobenzene (IS)
CBZd5 = Chlorobenzene-d5 (IS)

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Sample No.: ICIS 410-562891/18 Date Analyzed: 10/14/2024 23:39

Instrument ID: 19094 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): HC14X17.D Heated Purge: (Y/N) N

Calibration ID: 66594

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
INITIAL CALIBRATION MID-POINT		846649	12.91				
UPPER LIMIT		1693298	13.41				
LOWER LIMIT		423325	12.41				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-562891/21		853365	12.91				
CCVIS 410-569353/3		845793	12.90				

DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Sample No.: CCVIS 410-569353/3 Date Analyzed: 10/30/2024 08:56

Instrument ID: 19094 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): HC30X02.D Heated Purge: (Y/N) N

Calibration ID: 66594

		TBAd10		FB		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		95620	3.93	1834199	7.42	1426960	10.99
UPPER LIMIT		191240	4.43	3668398	7.92	2853920	11.49
LOWER LIMIT		47810	3.43	917100	6.92	713480	10.49
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-569353/5		94702	3.93	1917531	7.42	1444756	10.99
LCSD 410-569353/6		101398	3.92	1919656	7.41	1453902	10.99
MB 410-569353/10		99011	3.92	1830807	7.42	1381610	10.99
410-193020-6 MS	HD-COD-SW-15-0/1-0 MS MS	97601	3.92	1895383	7.42	1438797	10.99
410-193020-6 MSD	HD-COD-SW-15-0/1-0 MSD MSD	96612	3.93	1878120	7.42	1446302	10.99

TBAd10 = t-Butyl alcohol-d10 (IS)
TBAd10 = t-Butyl alcohol-d10 (IS)
FB = Fluorobenzene (IS)

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Sample No.: CCVIS 410-569353/3 Date Analyzed: 10/30/2024 08:56

Instrument ID: 19094 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): HC30X02.D Heated Purge: (Y/N) N

Calibration ID: 66594

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
12/24 HOUR STD		845793	12.90				
UPPER LIMIT		1691586	13.40				
LOWER LIMIT		422897	12.40				
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-569353/5		836479	12.91				
LCSD 410-569353/6		840911	12.90				
MB 410-569353/10		782538	12.91				
410-193020-6 MS	HD-COD-SW-15-0/1-0 MS MS	812345	12.90				
410-193020-6 MSD	HD-COD-SW-15-0/1-0 MSD MSD	824669	12.91				

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.: 410-193020-1

SDG No.:

Client Sample ID: HD-COD-SW-6-0/1-0 Lab Sample ID: 410-193020-1

Matrix: Water Lab File ID: GC23X09.D

Analysis Method: 8260D Date Collected: 10/18/2024 10:00

Sample wt/vol: 25(mL) Date Analyzed: 10/23/2024 12:33

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL) Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 566703 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	0.11	J	0.50	0.090
74-87-3	Chloromethane	ND		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	0.14	J	0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	ND		0.50	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-193020-1

SDG No.:

Client Sample ID: HD-COD-SW-6-0/1-0
Lab Sample ID: 410-193020-1

Matrix: Water
Lab File ID: GC23X09.D

Analysis Method: 8260D
Date Collected: 10/18/2024 10:00

Sample wt/vol: 25(mL)
Date Analyzed: 10/23/2024 12:33

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 566703
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	0.19	J	0.50	0.080
75-01-4	Vinyl chloride	ND		0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		80-120
460-00-4	4-Bromofluorobenzene (Surr)	99		80-120
1868-53-7	Dibromofluoromethane (Surr)	100		80-120
2037-26-5	Toluene-d8 (Surr)	101		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X09.D
Lims ID: 410-193020-A-1
Client ID: HD-COD-SW-6-0/1-0
Sample Type: Client
Inject. Date: 23-Oct-2024 12:33:30 ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0128543-010
Operator ID: ecr105096 Instrument ID: 16334

Method: \\chromfs\Lancaster\ChromData\16334\20241023-128543.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 24-Oct-2024 08:21:31 Calib Date: 26-Aug-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\16334\20240826-123245.b\GG26X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1694

First Level Reviewer: FQ4L Date: 24-Oct-2024 08:21:31

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50	2.032	2.032	0.000	91	2797	0.0515	
6 Vinyl chloride	62		2.136				ND	7
9 Bromomethane	94		2.453				ND	
10 Chloroethane	64		2.495				ND	
18 1,1-Dichloroethene	96	3.330	3.288	0.042	1	1118	0.0307	
19 Acetone	43		3.324				ND	U
24 Carbon disulfide	76		3.562				ND	7
29 Methylene Chloride	84		3.897				ND	
* 30 t-Butyl alcohol-d10 (IS)	65	3.964	3.934	0.030	21	85333	50.0	
33 Methyl tert-butyl ether	73		4.275				ND	
34 trans-1,2-Dichloroethene	96		4.275				ND	
37 1,1-Dichloroethane	63		4.934				ND	
41 2-Butanone (MEK)	43		5.769				ND	
42 cis-1,2-Dichloroethene	96	5.812	5.781	0.031	77	6691	0.1425	a
49 Chlorobromomethane	128		6.110				ND	
51 Chloroform	83	6.281	6.269	0.012	94	8401	0.1124	
$ 52 Dibromofluoromethane (Surr)	113	6.494	6.482	0.012	93	503844	9.98	
53 1,1,1-Trichloroethane	97		6.501				ND	
55 Carbon tetrachloride	117		6.708				ND	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.945	6.940	0.005	66	90434	9.64	
60 Benzene	78		6.976				ND	
61 1,2-Dichloroethane	62		7.043				ND	
* 64 Fluorobenzene (IS)	96	7.391	7.385	0.006	99	2107378	10.0	
68 Trichloroethene	95	7.878	7.866	0.012	93	8941	0.1927	a
70 1,2-Dichloropropane	63		8.195				ND	
76 Dichlorobromomethane	83		8.549				ND	
81 cis-1,3-Dichloropropene	75		9.110				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.305				ND	
$ 83 Toluene-d8 (Surr)	98	9.439	9.433	0.006	93	2060370	10.1	
84 Toluene	92	9.512	9.512	0.000	95	3428	0.0313	
85 trans-1,3-Dichloropropene	75		9.787				ND	
107 1,1,2-Trichloroethane	97		9.994				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
108 Tetrachloroethene	166	10.097	10.085	0.012	89	3547	0.0670	
110 2-Hexanone	43		10.232				ND	
112 Chlorodibromomethane	129		10.378				ND	
113 Ethylene Dibromide	107		10.488				ND	
* 114 Chlorobenzene-d5 (IS)	117	10.933	10.933	0.000	86	1551299	10.0	
116 Chlorobenzene	112		10.957				ND	
117 1,1,1,2-Tetrachloroethane	131		11.042				ND	
118 Ethylbenzene	91		11.049				ND	
120 m-Xylene & p-Xylene	106		11.164				ND	7
S 119 Xylenes, Total	106		11.245				ND	7
121 o-Xylene	106		11.500				ND	
122 Styrene	104		11.518				ND	
123 Bromoform	173		11.670				ND	
$ 127 4-Bromofluorobenzene (Surr)	95	11.945	11.945	0.000	90	707072	9.91	
128 1,1,2,2-Tetrachloroethane	83		12.048				ND	
* 142 1,4-Dichlorobenzene-d4	152	12.828	12.823	0.005	95	798318	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

a - User Assigned ID

Reagents:

MSV_HP25_ISSS_00101 Amount Added: 1.00 Units: uL Run Reagent

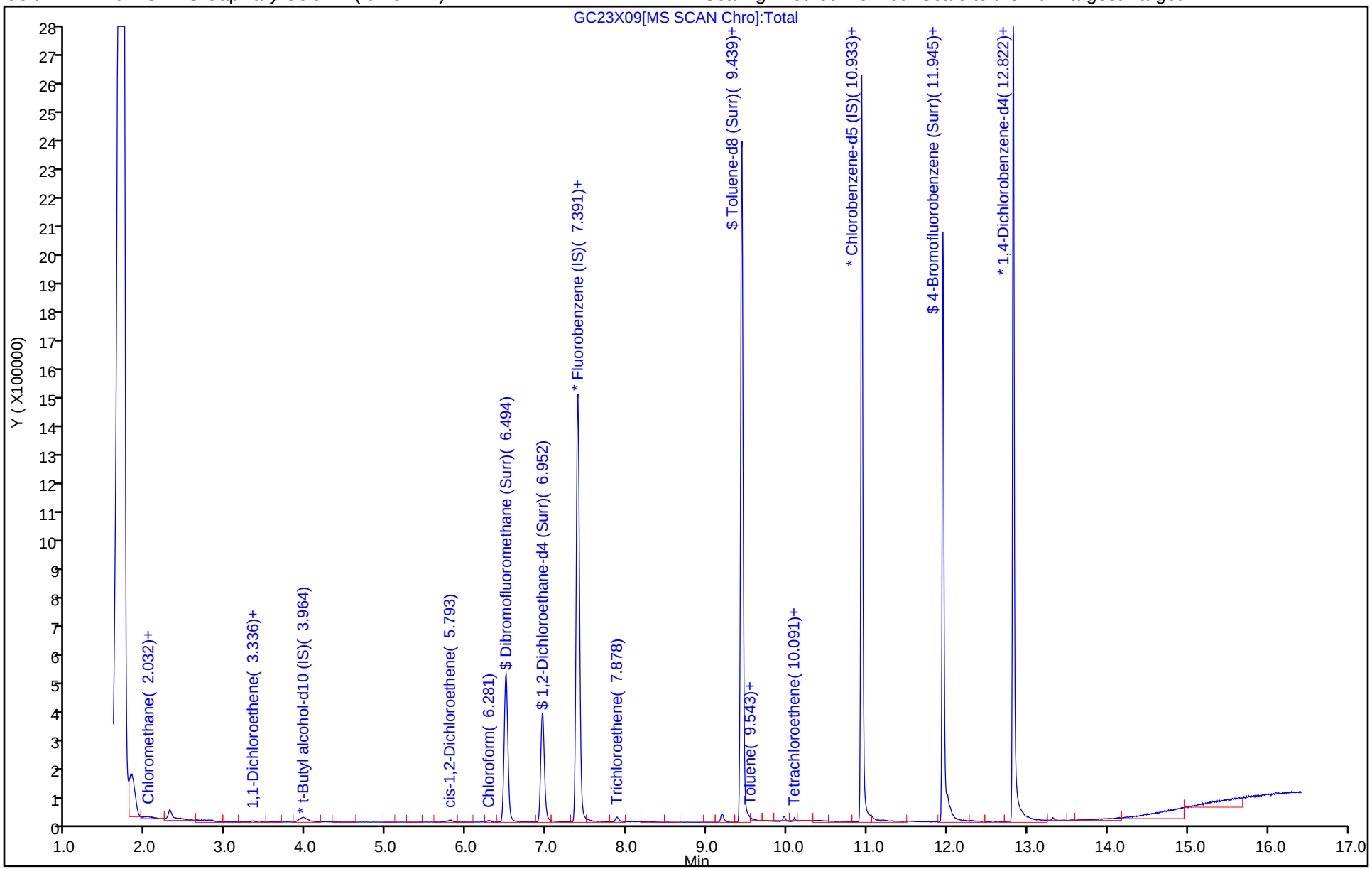
Report Date: 24-Oct-2024 08:21:32 Chrom Revision: 2.3 17-Oct-2024 11:42:22

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X09.D

Injection Date:	23-Oct-2024 12:33:30	Instrument ID:	16334	Operator ID:	ecr105096
Lims ID:	410-193020-A-1	Lab Sample ID:	410-193020-1	Worklist Smp#:	10
Client ID:	HD-COD-SW-6-0/1-0				
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	MSV_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\20241023-128543.b\GC23X09.D				
Lims ID:	410-193020-A-1				
Client ID:	HD-COD-SW-6-0/1-0				
Sample Type:	Client				
Inject. Date:	23-Oct-2024 12:33:30	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0128543-010				
Operator ID:	ecr105096	Instrument ID:	16334		
Method:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\MSV_16334_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	24-Oct-2024 08:21:31	Calib Date:	26-Aug-2024 17:02:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\16334\20240826-123245.b\GG26X08.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1694				

First Level Reviewer: FQ4L Date: 24-Oct-2024 08:21:31

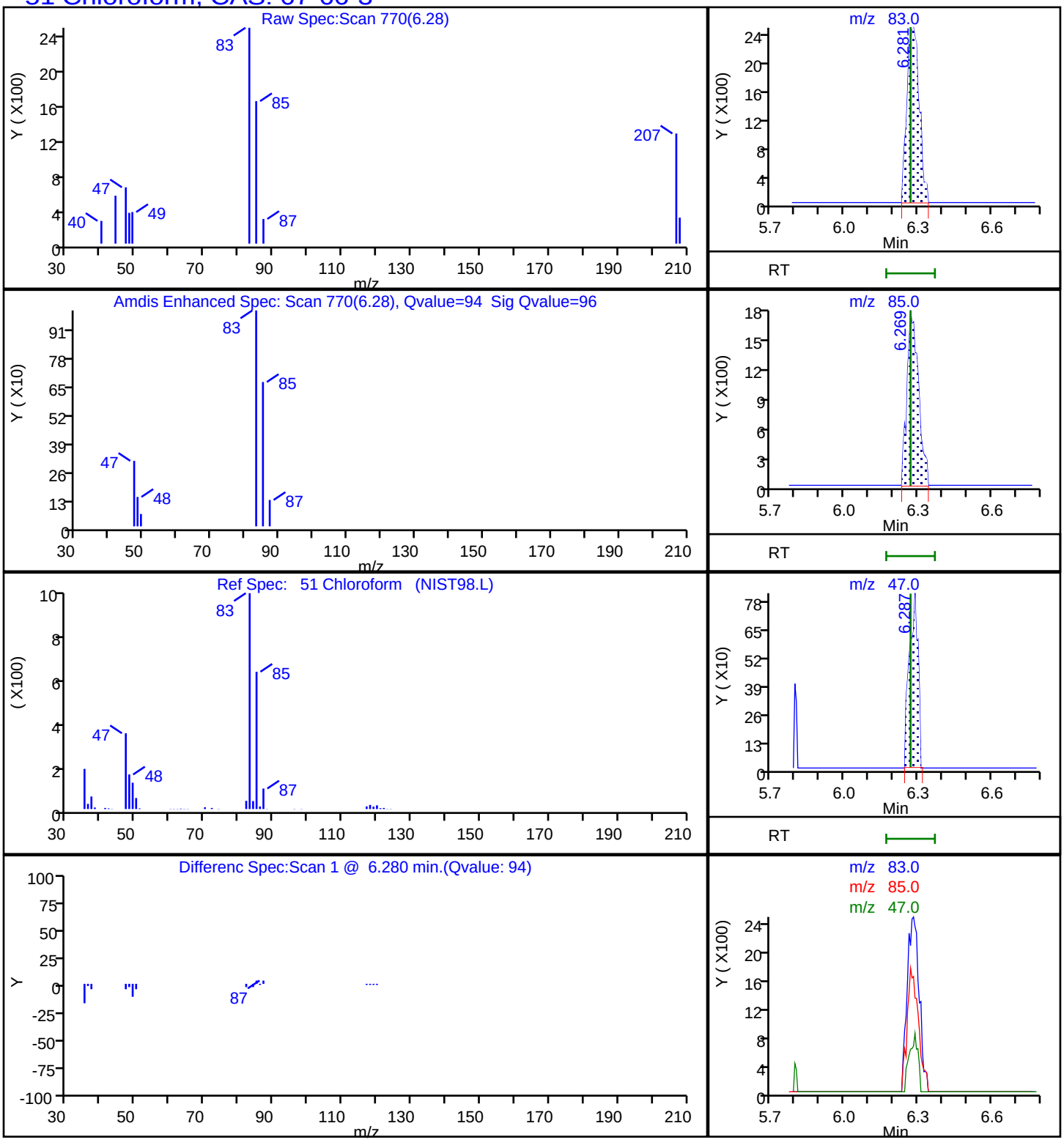
Compound	Amount Added	Amount Recovered	% Rec.
$ 52 Dibromofluoromethane (Surr)	10.0	9.98	99.78
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	9.64	96.40
$ 83 Toluene-d8 (Surr)	10.0	10.1	101.49
$ 127 4-Bromofluorobenzene (Surr)	10.0	9.91	99.11

Report Date: 24-Oct-2024 08:21:32 Chrom Revision: 2.3 17-Oct-2024 11:42:22

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X09.D				
Injection Date:	23-Oct-2024 12:33:30	Instrument ID:	16334		
Lims ID:	410-193020-A-1	Lab Sample ID:	410-193020-1		
Client ID:	HD-COD-SW-6-0/1-0				
Operator ID:	ecr105096	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

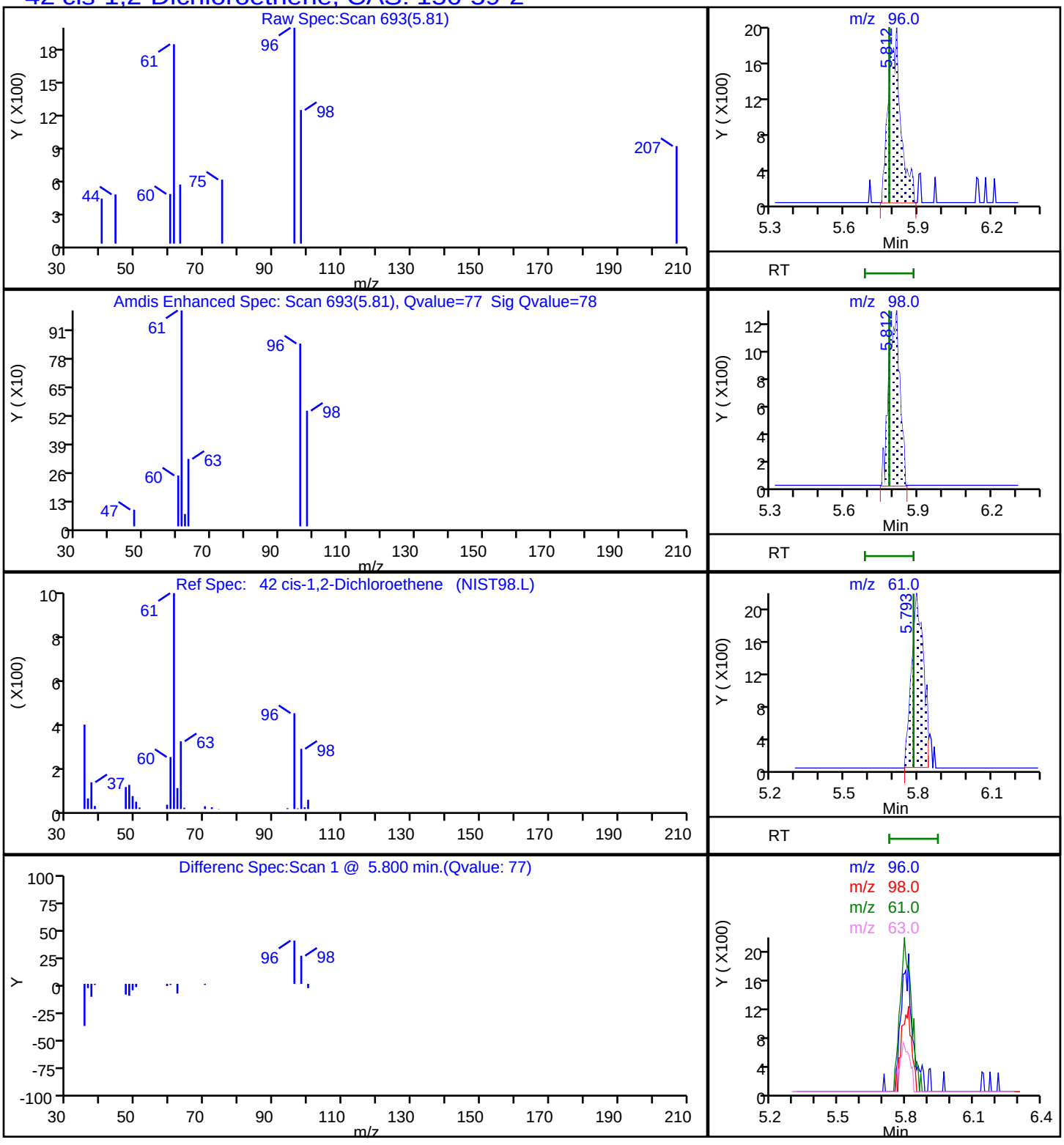
51 Chloroform, CAS: 67-66-3



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X09.D				
Injection Date:	23-Oct-2024 12:33:30	Instrument ID:	16334		
Lims ID:	410-193020-A-1	Lab Sample ID:	410-193020-1		
Client ID:	HD-COD-SW-6-0/1-0				
Operator ID:	ecr105096	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

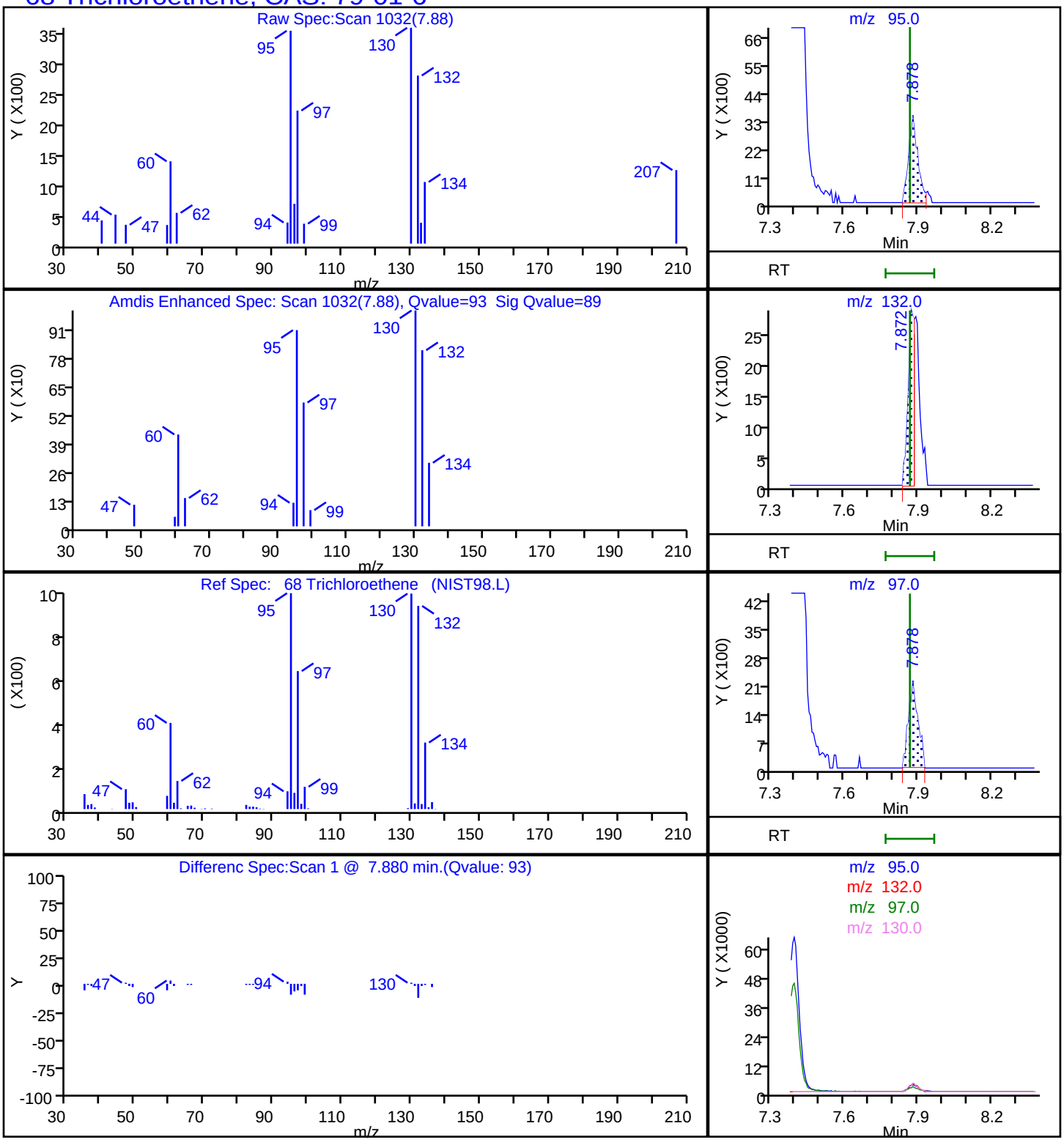
42 cis-1,2-Dichloroethene, CAS: 156-59-2



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X09.D				
Injection Date:	23-Oct-2024 12:33:30	Instrument ID:	16334		
Lims ID:	410-193020-A-1	Lab Sample ID:	410-193020-1		
Client ID:	HD-COD-SW-6-0/1-0				
Operator ID:	ecr105096	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

68 Trichloroethene, CAS: 79-01-6



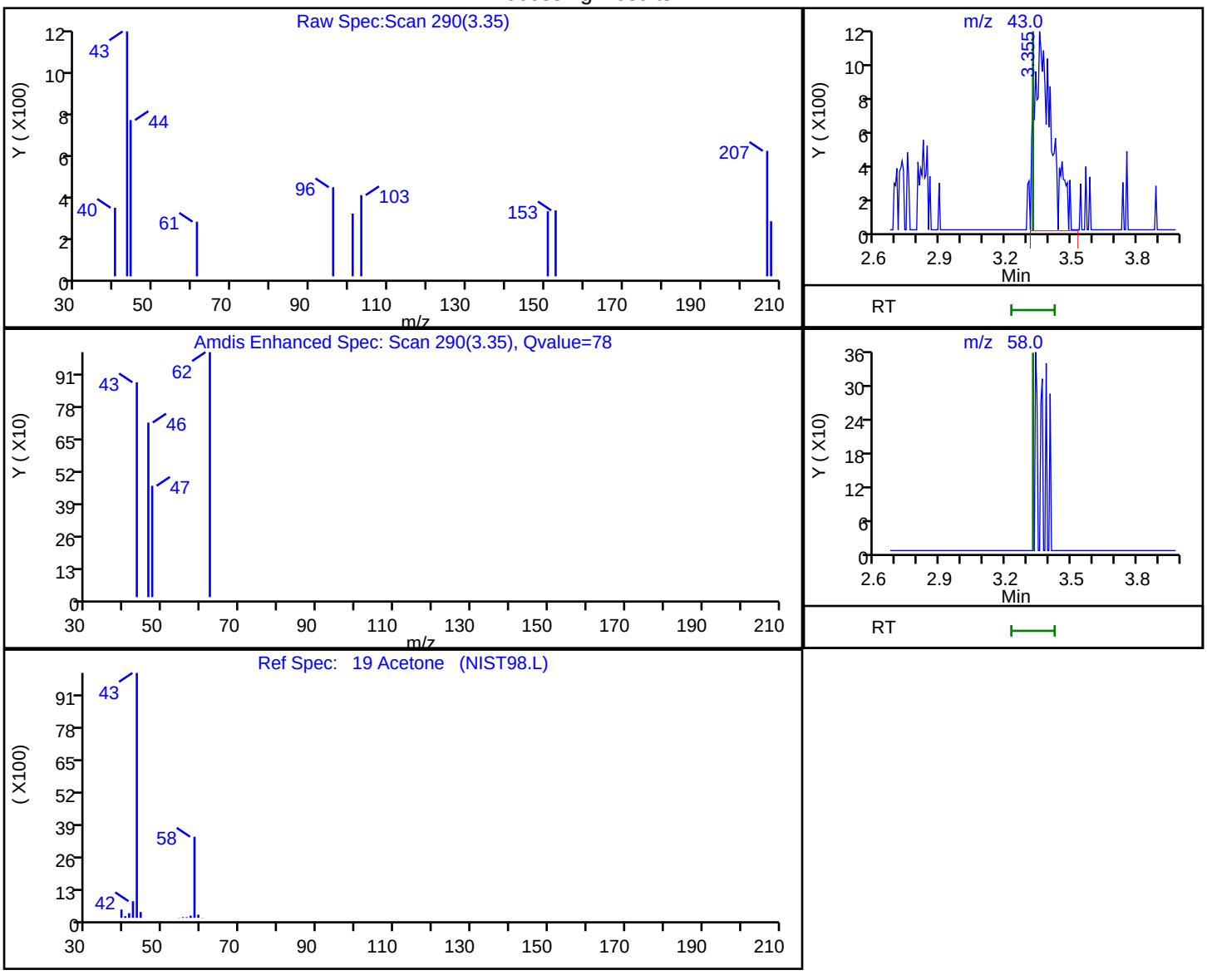
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X09.D				
Injection Date:	23-Oct-2024 12:33:30	Instrument ID:	16334		
Lims ID:	410-193020-A-1	Lab Sample ID:	410-193020-1		
Client ID:	HD-COD-SW-6-0/1-0				
Operator ID:	ecr105096	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

19 Acetone, CAS: 67-64-1

Processing Results



RT	Mass	Response	Amount
3.35	43.00	6224	1.518291
3.32	58.00	0	

Reviewer: FQ4L, 24-Oct-2024 08:21:04 07:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

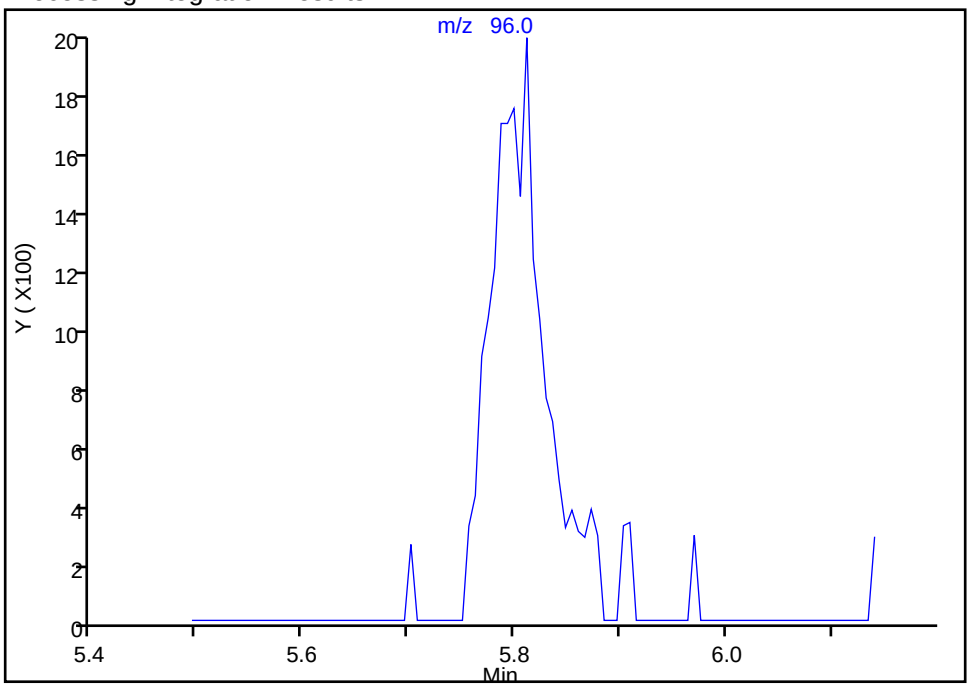
Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X09.D				
Injection Date:	23-Oct-2024 12:33:30	Instrument ID:	16334		
Lims ID:	410-193020-A-1	Lab Sample ID:	410-193020-1		
Client ID:	HD-COD-SW-6-0/1-0				
Operator ID:	ecr105096	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

42 cis-1,2-Dichloroethene, CAS: 156-59-2

Signal: 1

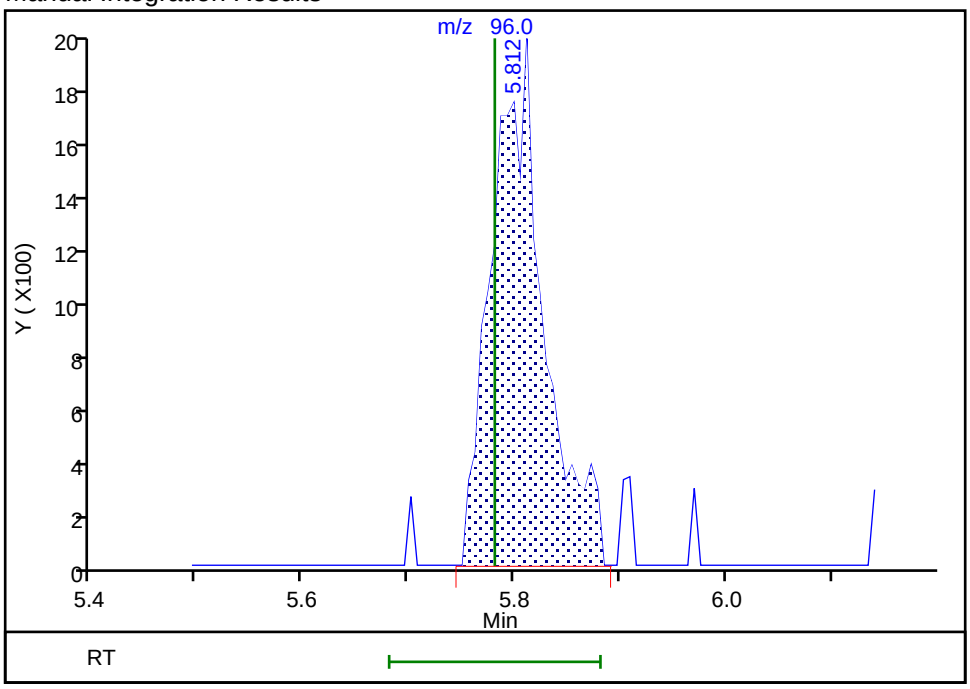
Not Detected
Expected RT: 5.78

Processing Integration Results



Manual Integration Results

RT: 5.81
Area: 6691
Amount: 0.142459
Amount Units: ug/l



Reviewer: FQ4L, 24-Oct-2024 08:21:10 07:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

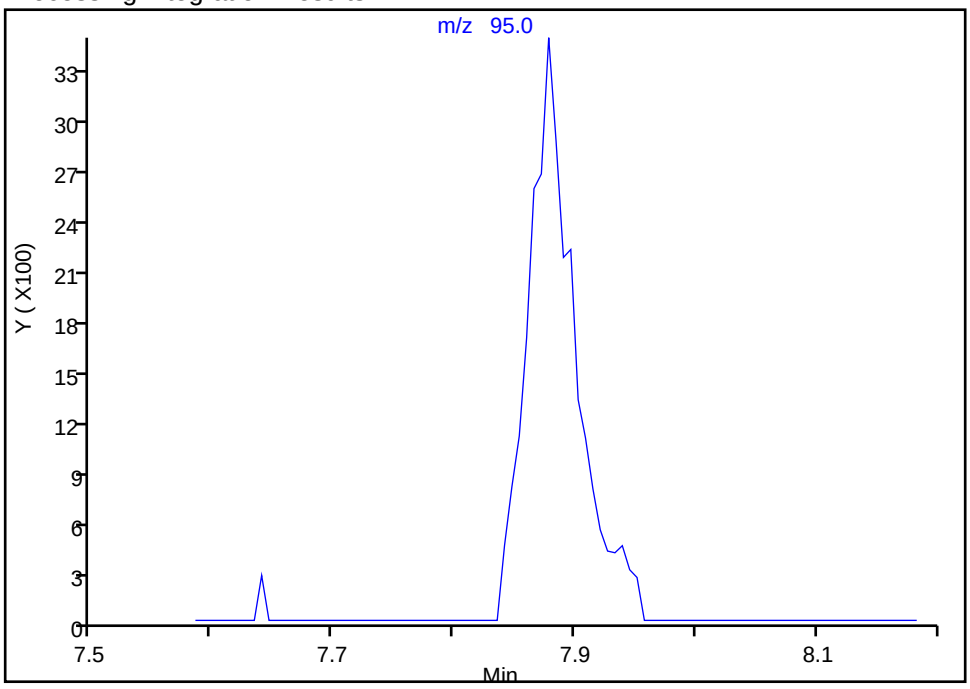
Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X09.D				
Injection Date:	23-Oct-2024 12:33:30	Instrument ID:	16334		
Lims ID:	410-193020-A-1	Lab Sample ID:	410-193020-1		
Client ID:	HD-COD-SW-6-0/1-0				
Operator ID:	ecr105096	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

68 Trichloroethene, CAS: 79-01-6

Signal: 1

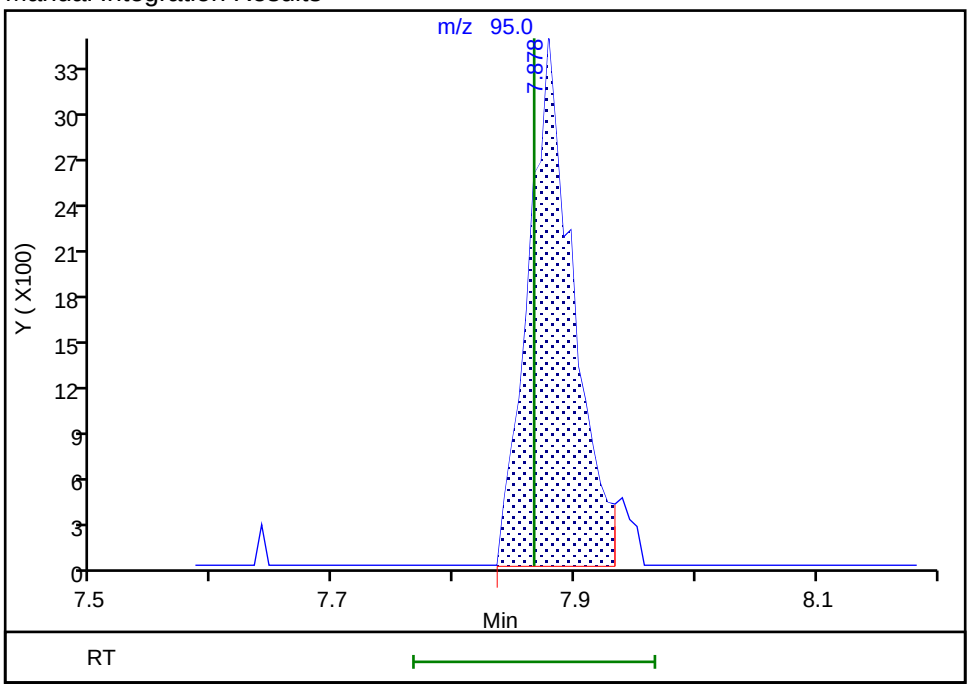
Not Detected
Expected RT: 7.87

Processing Integration Results



Manual Integration Results

RT: 7.88
Area: 8941
Amount: 0.192710
Amount Units: ug/l



Reviewer: FQ4L, 24-Oct-2024 08:21:21 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.: 410-193020-1

SDG No.:

Client Sample ID: HD-COD-SW-7-0/1-0
Lab Sample ID: 410-193020-2

Matrix: Water
Lab File ID: GC23X10.D

Analysis Method: 8260D
Date Collected: 10/18/2024 10:47

Sample wt/vol: 25(mL)
Date Analyzed: 10/23/2024 12:55

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 566703
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	0.15	J	0.50	0.090
74-87-3	Chloromethane	ND		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	0.19	J	0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
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.: 410-193020-1

SDG No.:

Client Sample ID: HD-COD-SW-7-0/1-0
Lab Sample ID: 410-193020-2

Matrix: Water
Lab File ID: GC23X10.D

Analysis Method: 8260D
Date Collected: 10/18/2024 10:47

Sample wt/vol: 25(mL)
Date Analyzed: 10/23/2024 12:55

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 566703
Units: ug/L

Preparation Batch No.:
Instrument ID: 16334

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		0.50	0.080
156-60-5	trans-1,2-Dichloroethene	ND		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.080
79-01-6	Trichloroethene	0.26	J	0.50	0.080
75-01-4	Vinyl chloride	ND		0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		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)	105		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X10.D
Lims ID: 410-193020-A-2
Client ID: HD-COD-SW-7-0/1-0
Sample Type: Client
Inject. Date: 23-Oct-2024 12:55:30 ALS Bottle#: 10 Worklist Smp#: 11
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0128543-011
Operator ID: ecr105096 Instrument ID: 16334

Method: \\chromfs\Lancaster\ChromData\16334\20241023-128543.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 24-Oct-2024 08:22:48 Calib Date: 26-Aug-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\16334\20240826-123245.b\GG26X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1694

First Level Reviewer: FQ4L Date: 24-Oct-2024 08:22:48

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50	2.020	2.032	-0.012	92	3642	0.0661	
6 Vinyl chloride	62		2.136				ND	7
9 Bromomethane	94		2.453				ND	
10 Chloroethane	64		2.495				ND	
18 1,1-Dichloroethene	96	3.312	3.288	0.024	65	1431	0.0388	
19 Acetone	43	3.324	3.324	0.000	84	6617	1.68	
24 Carbon disulfide	76	3.562	3.562	0.000	99	7468	0.0597	M
29 Methylene Chloride	84		3.897				ND	
* 30 t-Butyl alcohol-d10 (IS)	65	3.934	3.934	0.000	21	81758	50.0	
33 Methyl tert-butyl ether	73		4.275				ND	
34 trans-1,2-Dichloroethene	96		4.275				ND	
37 1,1-Dichloroethane	63		4.934				ND	
41 2-Butanone (MEK)	43		5.769				ND	
42 cis-1,2-Dichloroethene	96	5.800	5.781	0.019	83	9192	0.1931	a
49 Chlorobromomethane	128		6.110				ND	
51 Chloroform	83	6.275	6.269	0.006	93	11235	0.1483	
$ 52 Dibromofluoromethane (Surr)	113	6.488	6.482	0.006	93	523241	10.2	
53 1,1,1-Trichloroethane	97		6.501				ND	
55 Carbon tetrachloride	117		6.708				ND	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.946	6.940	0.006	66	92347	9.71	
60 Benzene	78		6.976				ND	7
61 1,2-Dichloroethane	62		7.043				ND	
* 64 Fluorobenzene (IS)	96	7.385	7.385	0.000	99	2135814	10.0	
68 Trichloroethene	95	7.878	7.866	0.012	96	12305	0.2617	
70 1,2-Dichloropropane	63		8.195				ND	
76 Dichlorobromomethane	83		8.549				ND	
81 cis-1,3-Dichloropropene	75		9.110				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.305				ND	
$ 83 Toluene-d8 (Surr)	98	9.433	9.433	0.000	94	2160833	10.5	
84 Toluene	92	9.518	9.512	0.006	99	3098	0.0278	
85 trans-1,3-Dichloropropene	75		9.787				ND	
107 1,1,2-Trichloroethane	97		9.994				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
108 Tetrachloroethene	166	10.091	10.085	0.006	95	4863	0.0906	
110 2-Hexanone	43		10.232				ND	7
112 Chlorodibromomethane	129		10.378				ND	
113 Ethylene Dibromide	107		10.488				ND	
* 114 Chlorobenzene-d5 (IS)	117	10.933	10.933	0.000	86	1574098	10.0	
116 Chlorobenzene	112		10.957				ND	
117 1,1,1,2-Tetrachloroethane	131		11.042				ND	
118 Ethylbenzene	91		11.049				ND	
120 m-Xylene & p-Xylene	106		11.164				ND	7
S 119 Xylenes, Total	106		11.245				ND	7
121 o-Xylene	106		11.500				ND	
122 Styrene	104		11.518				ND	
123 Bromoform	173		11.670				ND	
$ 127 4-Bromofluorobenzene (Surr)	95	11.945	11.945	0.000	90	708139	9.78	
128 1,1,2,2-Tetrachloroethane	83		12.048				ND	
* 142 1,4-Dichlorobenzene-d4	152	12.823	12.823	0.000	95	844404	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_HP25_ISSS_00101 Amount Added: 1.00 Units: uL Run Reagent

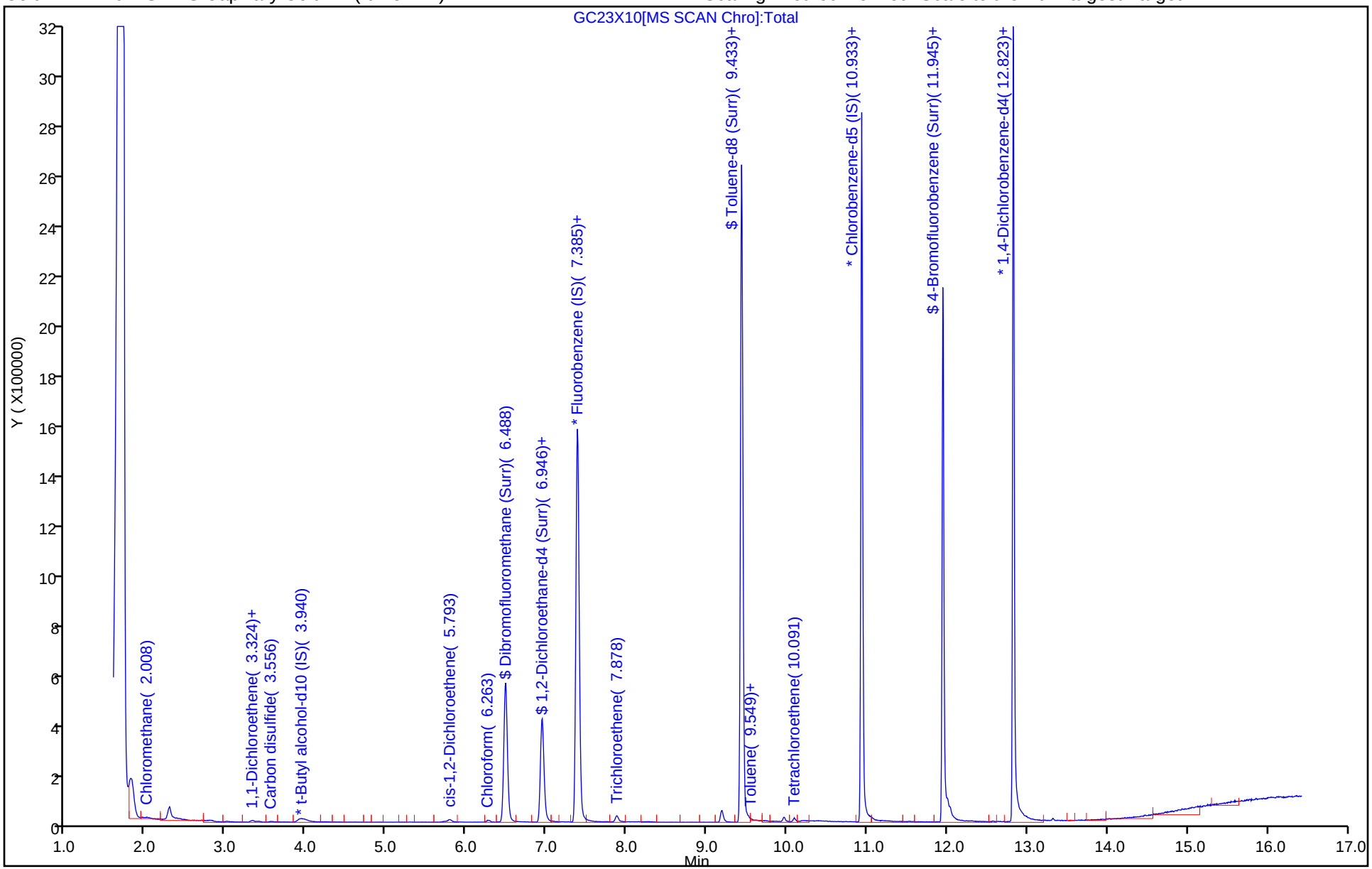
Report Date: 24-Oct-2024 08:22:49 Chrom Revision: 2.3 17-Oct-2024 11:42:22

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X10.D

Injection Date:	23-Oct-2024 12:55:30	Instrument ID:	16334	Operator ID:	ecr105096
Lims ID:	410-193020-A-2	Lab Sample ID:	410-193020-2	Worklist Smp#:	11
Client ID:	HD-COD-SW-7-0/1-0				
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	MSV_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\20241023-128543.b\GC23X10.D
Lims ID: 410-193020-A-2
Client ID: HD-COD-SW-7-0/1-0
Sample Type: Client
Inject. Date: 23-Oct-2024 12:55:30 ALS Bottle#: 10 Worklist Smp#: 11
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0128543-011
Operator ID: ecr105096 Instrument ID: 16334

Method: \\chromfs\Lancaster\ChromData\16334\20241023-128543.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 24-Oct-2024 08:22:48 Calib Date: 26-Aug-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\16334\20240826-123245.b\GG26X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1694

First Level Reviewer: FQ4L Date: 24-Oct-2024 08:22:48

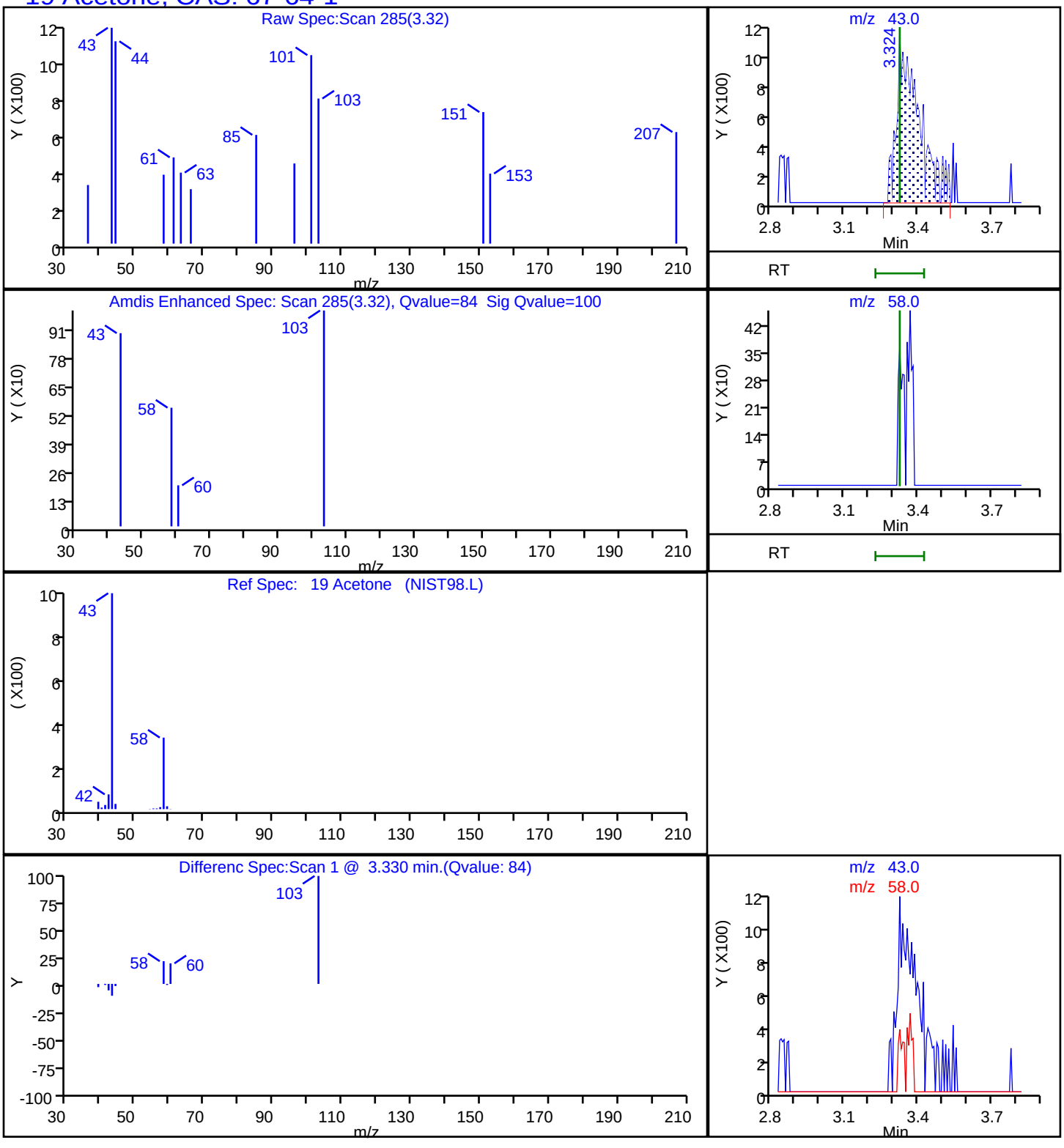
Compound	Amount Added	Amount Recovered	% Rec.
$ 52 Dibromofluoromethane (Surr)	10.0	10.2	102.25
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	9.71	97.13
$ 83 Toluene-d8 (Surr)	10.0	10.5	104.89
$ 127 4-Bromofluorobenzene (Surr)	10.0	9.78	97.83

Report Date: 24-Oct-2024 08:22:49 Chrom Revision: 2.3 17-Oct-2024 11:42:22

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X10.D				
Injection Date:	23-Oct-2024 12:55:30	Instrument ID:	16334		
Lims ID:	410-193020-A-2	Lab Sample ID:	410-193020-2		
Client ID:	HD-COD-SW-7-0/1-0				
Operator ID:	ecr105096	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

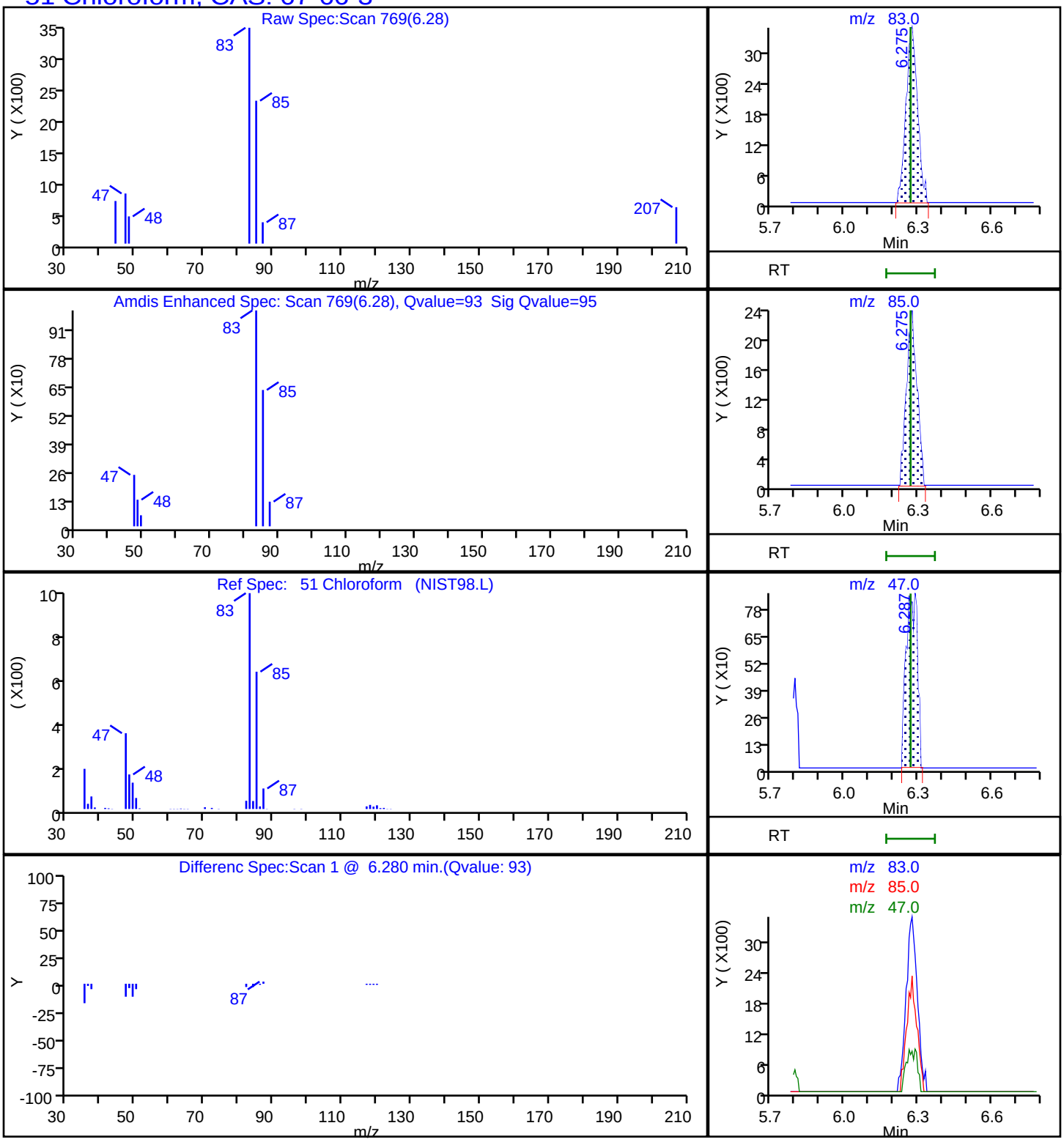
19 Acetone, CAS: 67-64-1



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X10.D				
Injection Date:	23-Oct-2024 12:55:30	Instrument ID:	16334		
Lims ID:	410-193020-A-2	Lab Sample ID:	410-193020-2		
Client ID:	HD-COD-SW-7-0/1-0				
Operator ID:	ecr105096	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

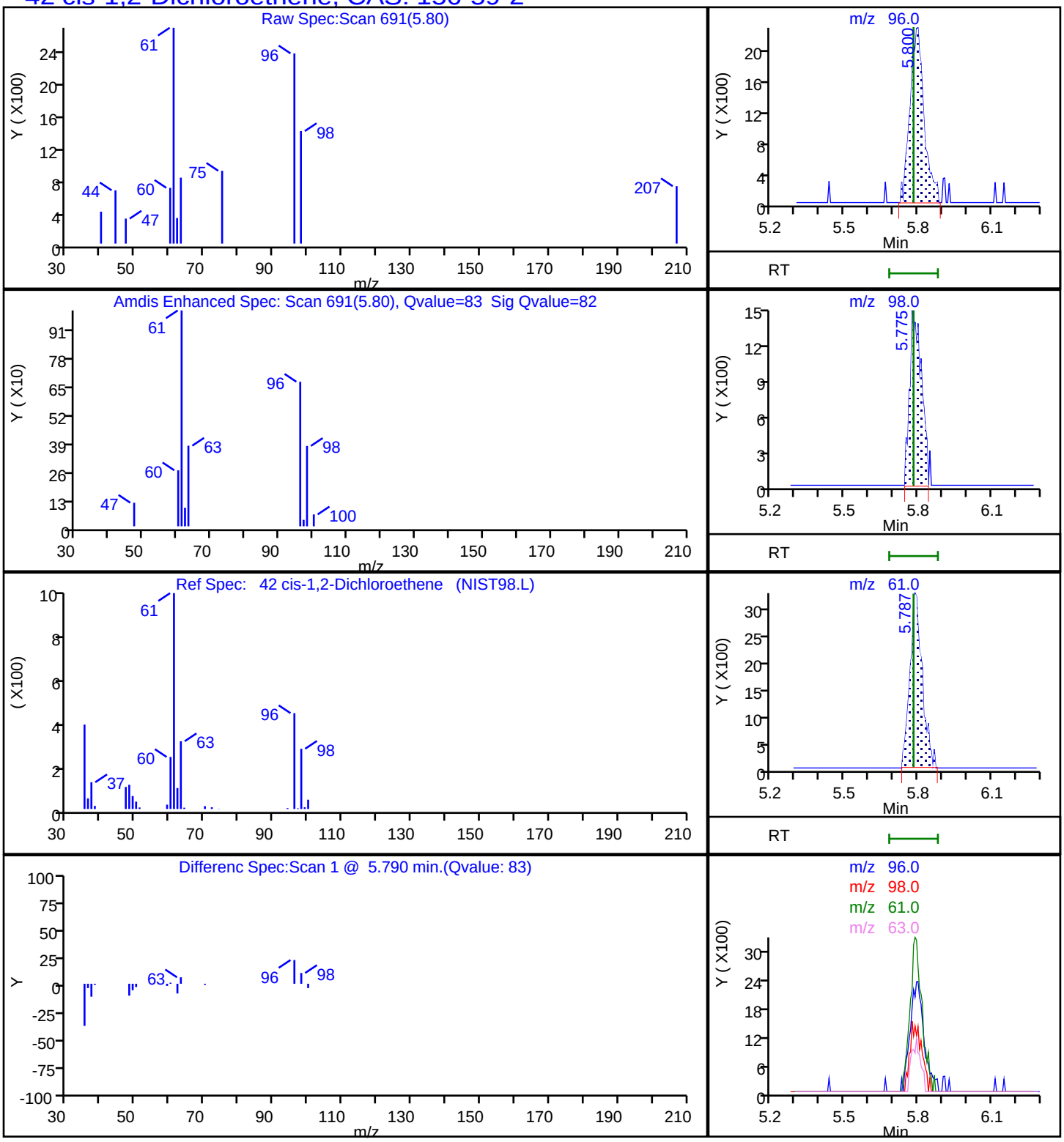
51 Chloroform, CAS: 67-66-3



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X10.D				
Injection Date:	23-Oct-2024 12:55:30	Instrument ID:	16334		
Lims ID:	410-193020-A-2	Lab Sample ID:	410-193020-2		
Client ID:	HD-COD-SW-7-0/1-0				
Operator ID:	ecr105096	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

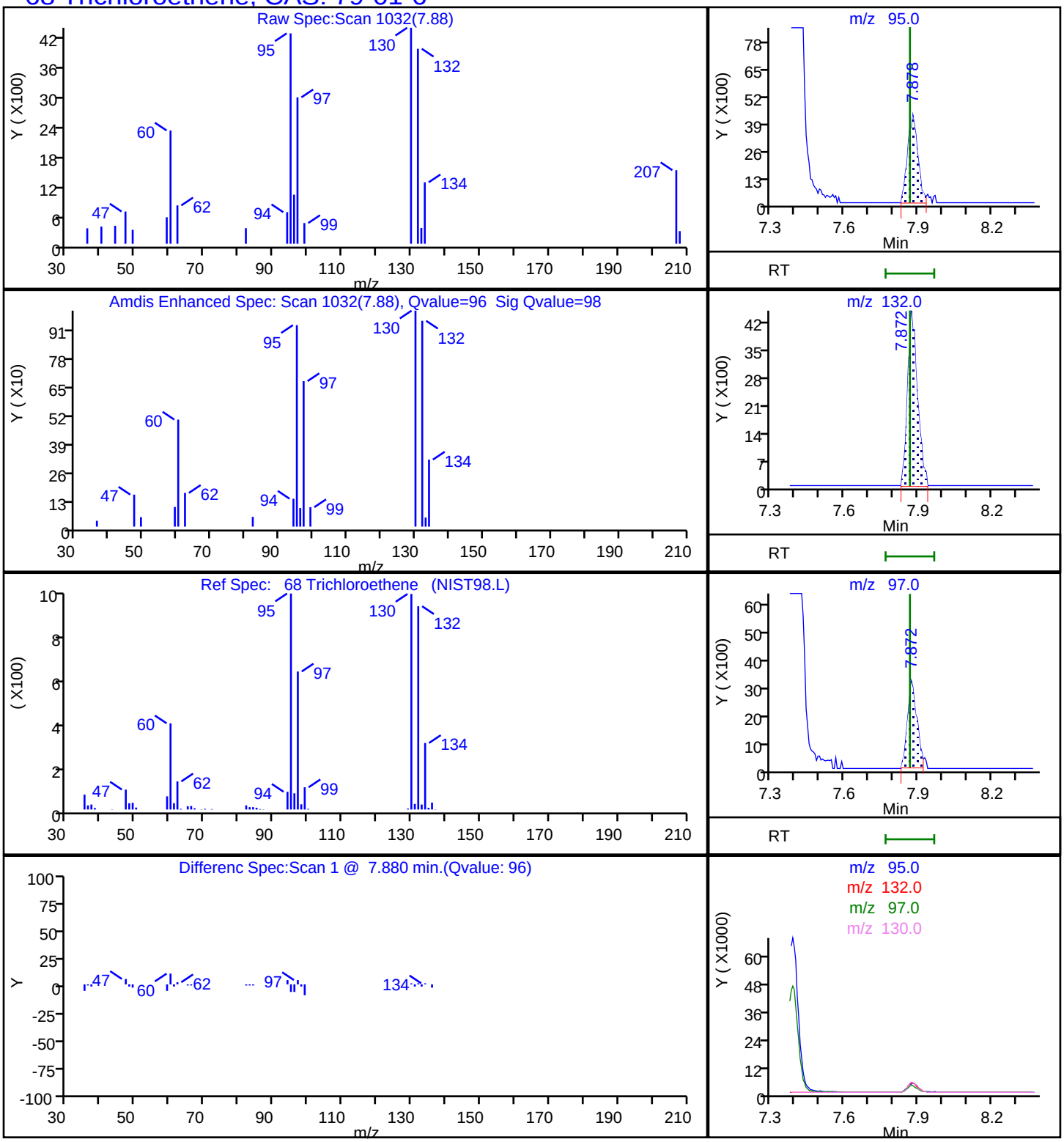
42 cis-1,2-Dichloroethene, CAS: 156-59-2



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X10.D				
Injection Date:	23-Oct-2024 12:55:30	Instrument ID:	16334		
Lims ID:	410-193020-A-2	Lab Sample ID:	410-193020-2		
Client ID:	HD-COD-SW-7-0/1-0				
Operator ID:	ecr105096	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

68 Trichloroethene, CAS: 79-01-6



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

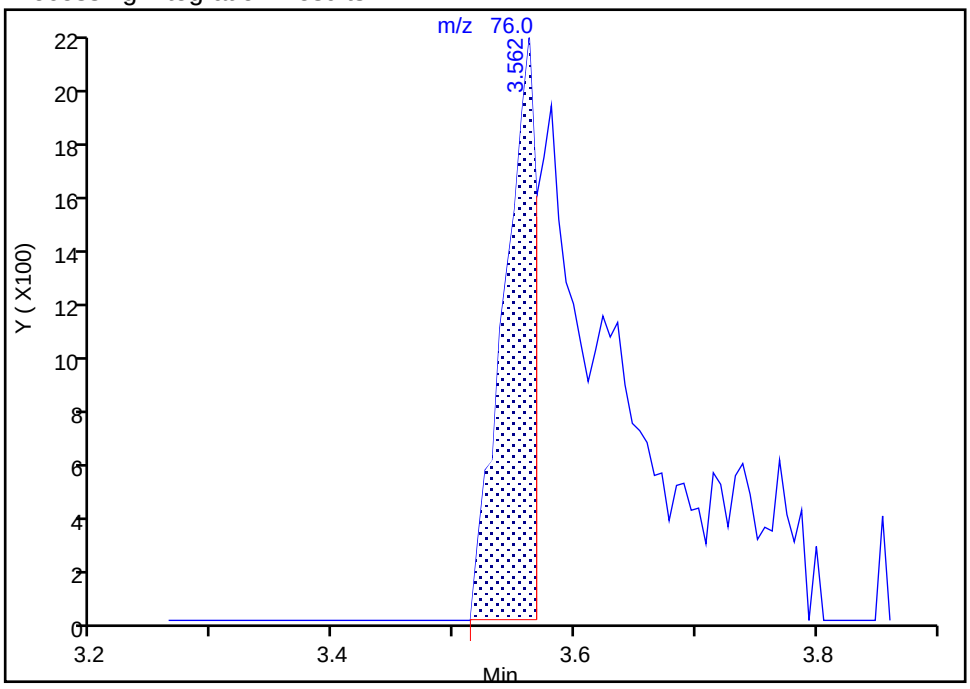
Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X10.D				
Injection Date:	23-Oct-2024 12:55:30	Instrument ID:	16334		
Lims ID:	410-193020-A-2	Lab Sample ID:	410-193020-2		
Client ID:	HD-COD-SW-7-0/1-0				
Operator ID:	ecr105096	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

24 Carbon disulfide, CAS: 75-15-0

Signal: 1

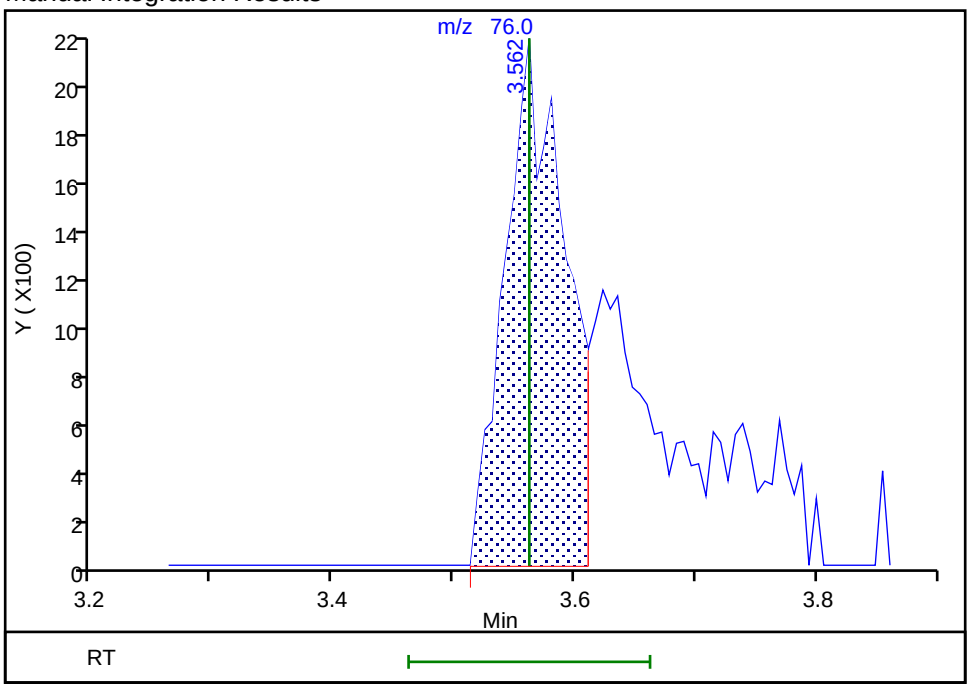
Processing Integration Results

RT: 3.56
Area: 4012
Amount: 0.032062
Amount Units: ug/l



Manual Integration Results

RT: 3.56
Area: 7468
Amount: 0.059681
Amount Units: ug/l



Reviewer: FQ4L, 24-Oct-2024 08:22:26 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

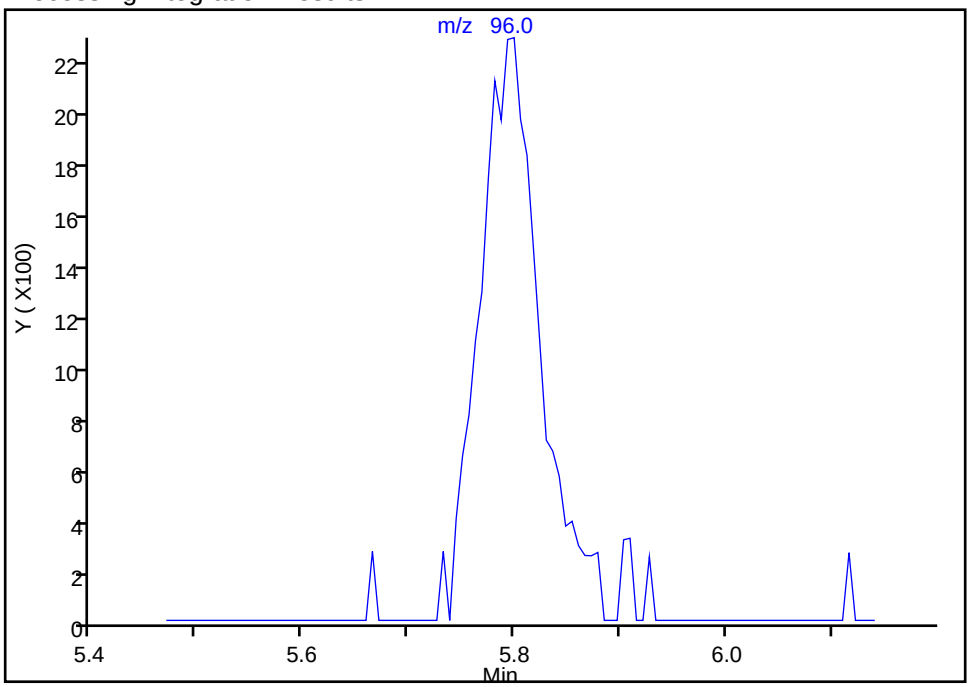
Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X10.D				
Injection Date:	23-Oct-2024 12:55:30	Instrument ID:	16334		
Lims ID:	410-193020-A-2	Lab Sample ID:	410-193020-2		
Client ID:	HD-COD-SW-7-0/1-0				
Operator ID:	ecr105096	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

42 cis-1,2-Dichloroethene, CAS: 156-59-2

Signal: 1

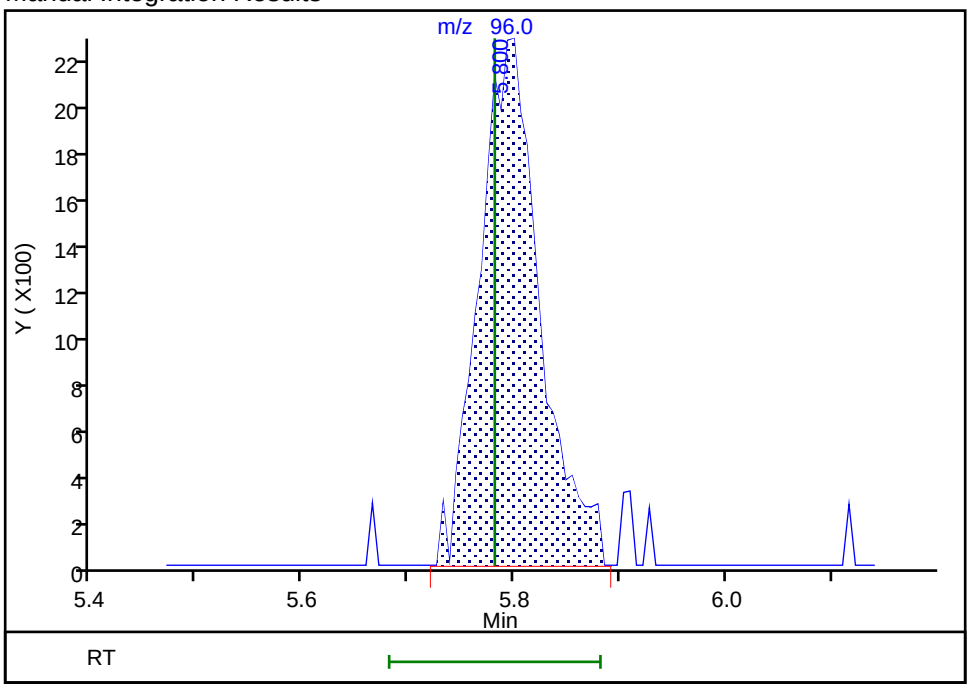
Not Detected
Expected RT: 5.78

Processing Integration Results



Manual Integration Results

RT: 5.80
Area: 9192
Amount: 0.193103
Amount Units: ug/l



Reviewer: FQ4L, 24-Oct-2024 08:22:34 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.: 410-193020-1

SDG No.:

Client Sample ID: HD-COD-SW-8-0/1-0
Lab Sample ID: 410-193020-3

Matrix: Water
Lab File ID: GC23X11.D

Analysis Method: 8260D
Date Collected: 10/18/2024 08:55

Sample wt/vol: 25(mL)
Date Analyzed: 10/23/2024 13:17

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 566703
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	0.10	J	0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.10
79-00-5	1,1,2-Trichloroethane	ND		0.50	0.080
75-34-3	1,1-Dichloroethane	ND		0.50	0.10
75-35-4	1,1-Dichloroethene	ND		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	ND		0.50	0.080
107-06-2	1,2-Dichloroethane	ND		0.50	0.070
78-87-5	1,2-Dichloropropane	ND		0.50	0.10
78-93-3	2-Butanone (MEK)	ND		5.0	1.0
591-78-6	2-Hexanone	ND		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	2.0	J	5.0	1.5
71-43-2	Benzene	ND		0.50	0.10
74-97-5	Bromochloromethane	ND		0.50	0.080
75-27-4	Bromodichloromethane	ND		0.50	0.080
75-25-2	Bromoform	ND		1.0	0.30
74-83-9	Bromomethane	ND		0.50	0.10
75-15-0	Carbon disulfide	ND		1.0	0.10
56-23-5	Carbon tetrachloride	ND		0.50	0.10
108-90-7	Chlorobenzene	ND		0.50	0.070
75-00-3	Chloroethane	ND		0.50	0.10
67-66-3	Chloroform	0.14	J	0.50	0.090
74-87-3	Chloromethane	ND		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	0.23	J	0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	1.6		0.50	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-193020-1

SDG No.:

Client Sample ID: HD-COD-SW-8-0/1-0
Lab Sample ID: 410-193020-3

Matrix: Water
Lab File ID: GC23X11.D

Analysis Method: 8260D
Date Collected: 10/18/2024 08:55

Sample wt/vol: 25(mL)
Date Analyzed: 10/23/2024 13:17

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 566703
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)	96		80-120
460-00-4	4-Bromofluorobenzene (Surr)	98		80-120
1868-53-7	Dibromofluoromethane (Surr)	100		80-120
2037-26-5	Toluene-d8 (Surr)	107		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X11.D
Lims ID: 410-193020-A-3
Client ID: HD-COD-SW-8-0/1-0
Sample Type: Client
Inject. Date: 23-Oct-2024 13:17:30 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0128543-012
Operator ID: ecr105096 Instrument ID: 16334

Method: \\chromfs\Lancaster\ChromData\16334\20241023-128543.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 24-Oct-2024 08:24:54 Calib Date: 26-Aug-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\16334\20240826-123245.b\GG26X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1694

First Level Reviewer: FQ4L Date: 24-Oct-2024 08:24:54

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50	2.013	2.032	-0.019	88	3378	0.0700	
6 Vinyl chloride	62		2.136				ND	7
9 Bromomethane	94		2.453				ND	
10 Chloroethane	64		2.495				ND	
18 1,1-Dichloroethene	96		3.288				ND	U
19 Acetone	43	3.373	3.324	0.049	66	7028	2.05	
24 Carbon disulfide	76	3.574	3.562	0.012	44	3436	0.0313	
29 Methylene Chloride	84		3.897				ND	
* 30 t-Butyl alcohol-d10 (IS)	65	3.940	3.934	0.006	24	71449	50.0	
33 Methyl tert-butyl ether	73		4.275				ND	
34 trans-1,2-Dichloroethene	96		4.275				ND	
37 1,1-Dichloroethane	63		4.934				ND	
41 2-Butanone (MEK)	43		5.769				ND	
42 cis-1,2-Dichloroethene	96	5.805	5.781	0.024	78	9788	0.2346	a
49 Chlorobromomethane	128		6.110				ND	
51 Chloroform	83	6.269	6.269	0.000	93	9052	0.1363	
$ 52 Dibromofluoromethane (Surr)	113	6.488	6.482	0.006	93	446910	9.96	
53 1,1,1-Trichloroethane	97	6.500	6.501	-0.001	35	6092	0.1035	
55 Carbon tetrachloride	117		6.708				ND	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.951	6.940	0.011	65	79848	9.58	
60 Benzene	78		6.976				ND	
61 1,2-Dichloroethane	62		7.043				ND	
* 64 Fluorobenzene (IS)	96	7.384	7.385	-0.001	99	1872005	10.0	
68 Trichloroethene	95	7.872	7.866	0.006	96	13197	0.3202	
70 1,2-Dichloropropane	63		8.195				ND	
76 Dichlorobromomethane	83		8.549				ND	
81 cis-1,3-Dichloropropene	75		9.110				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.305				ND	
$ 83 Toluene-d8 (Surr)	98	9.439	9.433	0.006	94	1898690	10.7	
84 Toluene	92	9.518	9.512	0.006	96	2900	0.0302	
85 trans-1,3-Dichloropropene	75		9.787				ND	
107 1,1,2-Trichloroethane	97		9.994				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
108 Tetrachloroethene	166	10.085	10.085	0.000	96	73582	1.59	
110 2-Hexanone	43		10.232				ND	7
112 Chlorodibromomethane	129		10.378				ND	
113 Ethylene Dibromide	107		10.488				ND	
* 114 Chlorobenzene-d5 (IS)	117	10.932	10.933	-0.001	86	1358200	10.0	
116 Chlorobenzene	112		10.957				ND	
117 1,1,1,2-Tetrachloroethane	131		11.042				ND	
118 Ethylbenzene	91		11.049				ND	
120 m-Xylene & p-Xylene	106		11.164				ND	7
S 119 Xylenes, Total	106		11.245				ND	7
121 o-Xylene	106		11.500				ND	
122 Styrene	104		11.518				ND	
123 Bromoform	173		11.670				ND	
$ 127 4-Bromofluorobenzene (Surr)	95	11.944	11.945	-0.001	90	611162	9.78	
128 1,1,2,2-Tetrachloroethane	83		12.048				ND	
* 142 1,4-Dichlorobenzene-d4	152	12.828	12.823	0.005	96	717249	10.0	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
Review Flags
U - Marked Undetected
a - User Assigned ID

Reagents:

MSV_HP25_ISSS_00101 Amount Added: 1.00 Units: uL Run Reagent

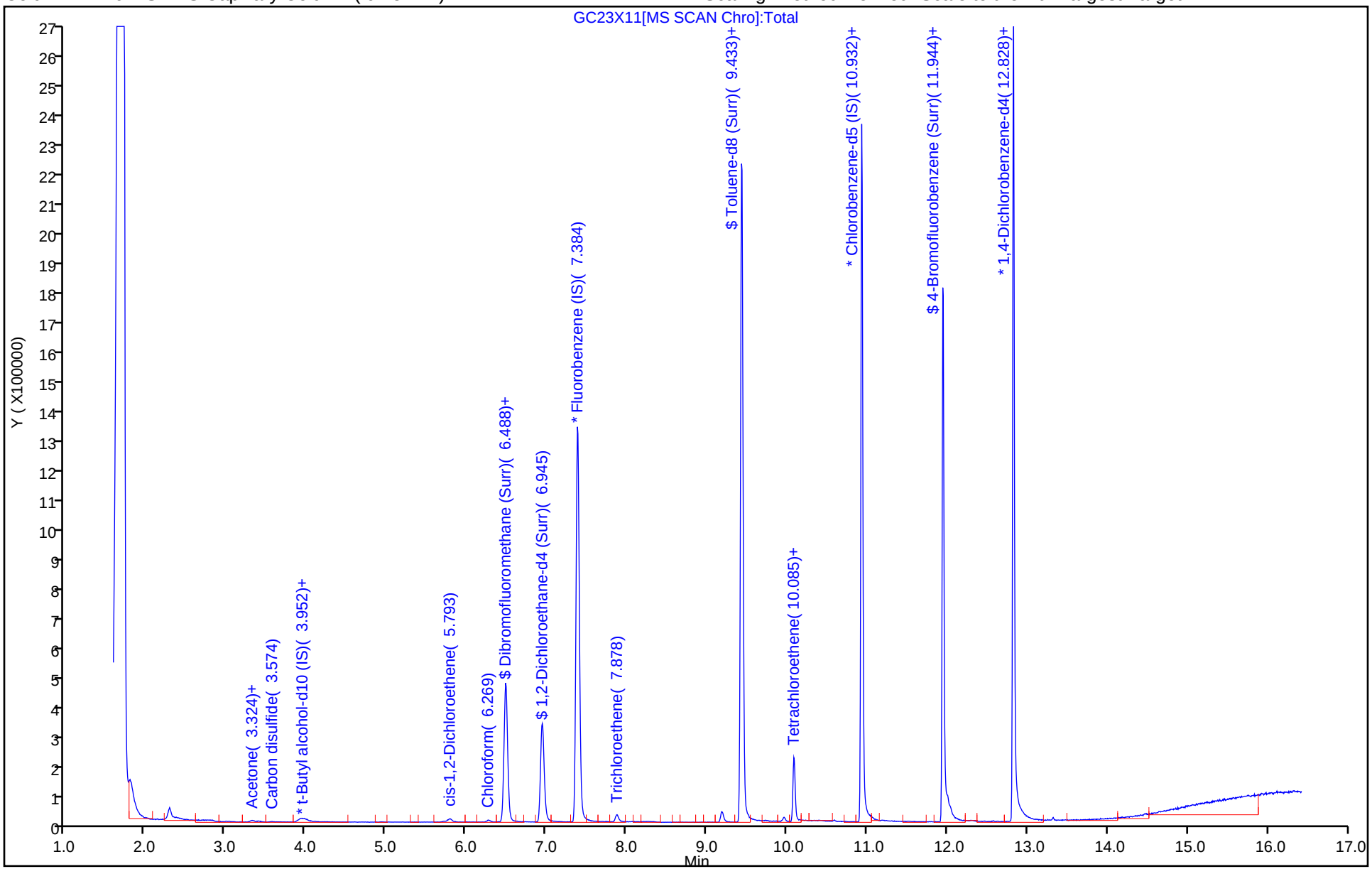
Report Date: 24-Oct-2024 08:24:55 Chrom Revision: 2.3 17-Oct-2024 11:42:22

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X11.D

Injection Date:	23-Oct-2024 13:17:30	Instrument ID:	16334	Operator ID:	ecr105096
Lims ID:	410-193020-A-3	Lab Sample ID:	410-193020-3	Worklist Smp#:	12
Client ID:	HD-COD-SW-8-0/1-0				
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	MSV_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\20241023-128543.b\GC23X11.D				
Lims ID:	410-193020-A-3				
Client ID:	HD-COD-SW-8-0/1-0				
Sample Type:	Client				
Inject. Date:	23-Oct-2024 13:17:30	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0128543-012				
Operator ID:	ecr105096	Instrument ID:	16334		
Method:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\MSV_16334_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	24-Oct-2024 08:24:54	Calib Date:	26-Aug-2024 17:02:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\16334\20240826-123245.b\GG26X08.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1694				

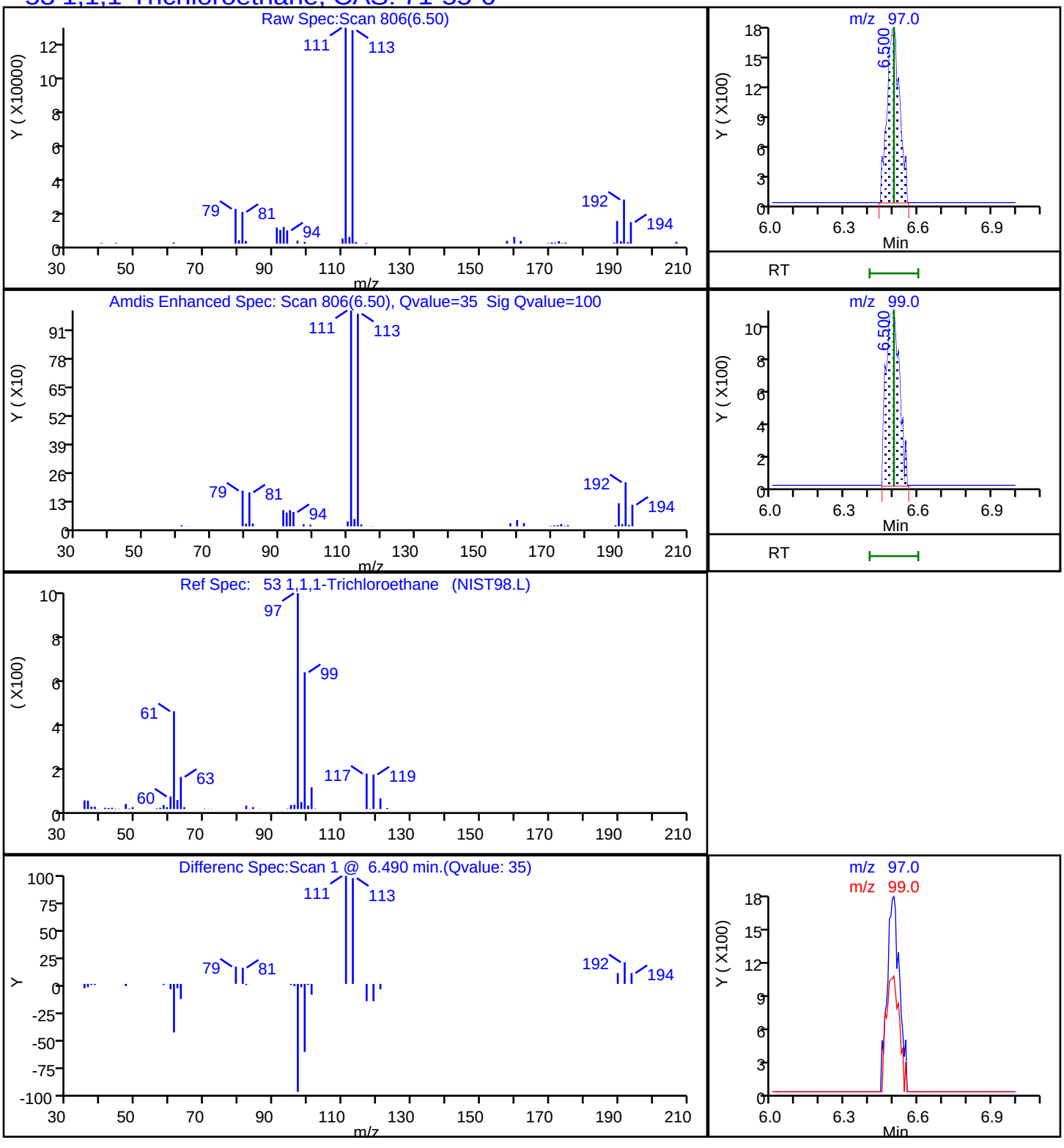
First Level Reviewer: FQ4L Date: 24-Oct-2024 08:24:54

Compound	Amount Added	Amount Recovered	% Rec.
$ 52 Dibromofluoromethane (Surr)	10.0	9.96	99.64
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	9.58	95.82
$ 83 Toluene-d8 (Surr)	10.0	10.7	106.82
$ 127 4-Bromofluorobenzene (Surr)	10.0	9.78	97.85

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X11.D				
Injection Date:	23-Oct-2024 13:17:30	Instrument ID:	16334		
Lims ID:	410-193020-A-3	Lab Sample ID:	410-193020-3		
Client ID:	HD-COD-SW-8-0/1-0				
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)	Detector	MS Quad		

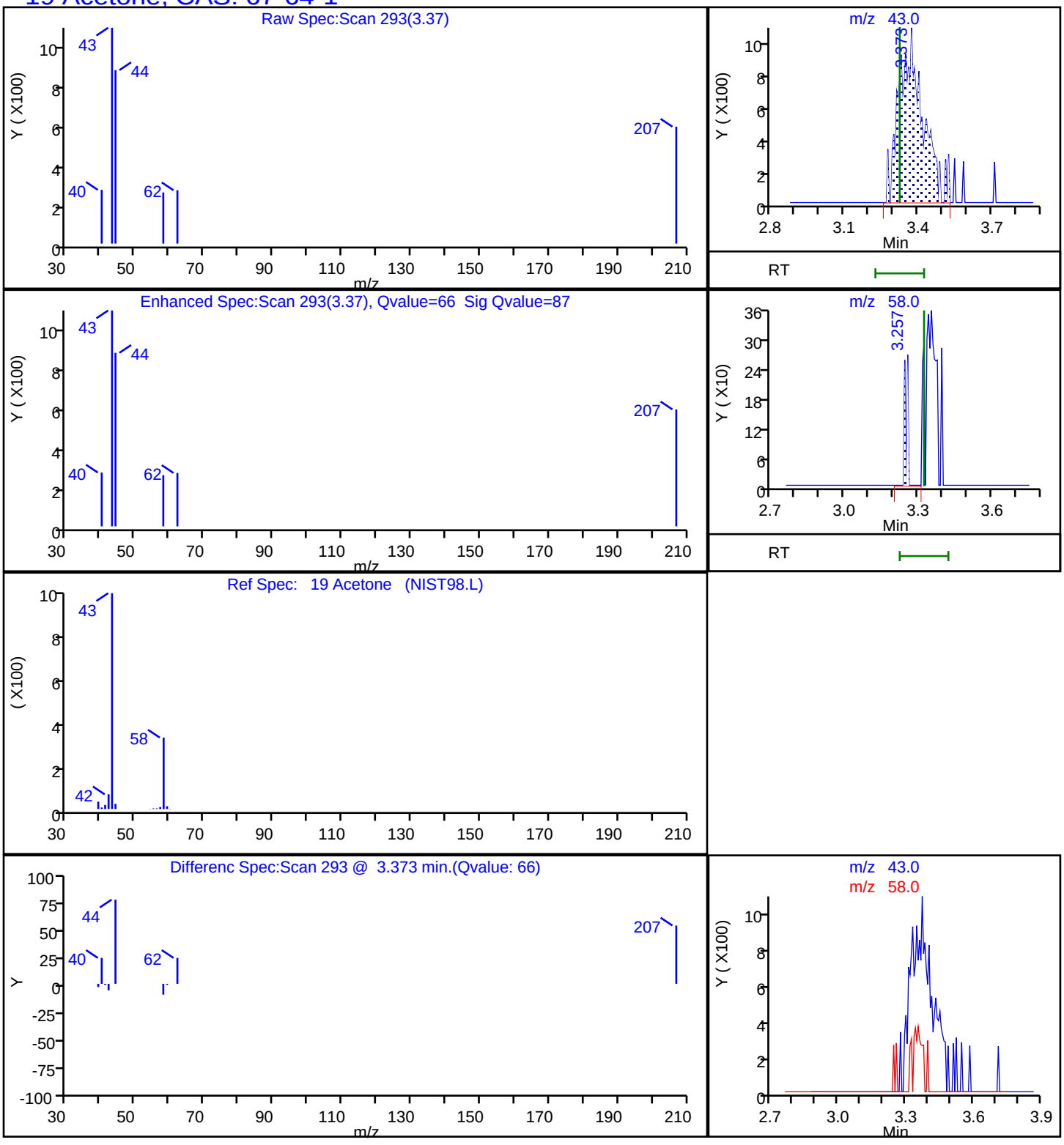
53 1,1,1-Trichloroethane, CAS: 71-55-6



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X11.D				
Injection Date:	23-Oct-2024 13:17:30	Instrument ID:	16334		
Lims ID:	410-193020-A-3	Lab Sample ID:	410-193020-3		
Client ID:	HD-COD-SW-8-0/1-0				
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 (0.25 mm)	Detector	MS Quad		

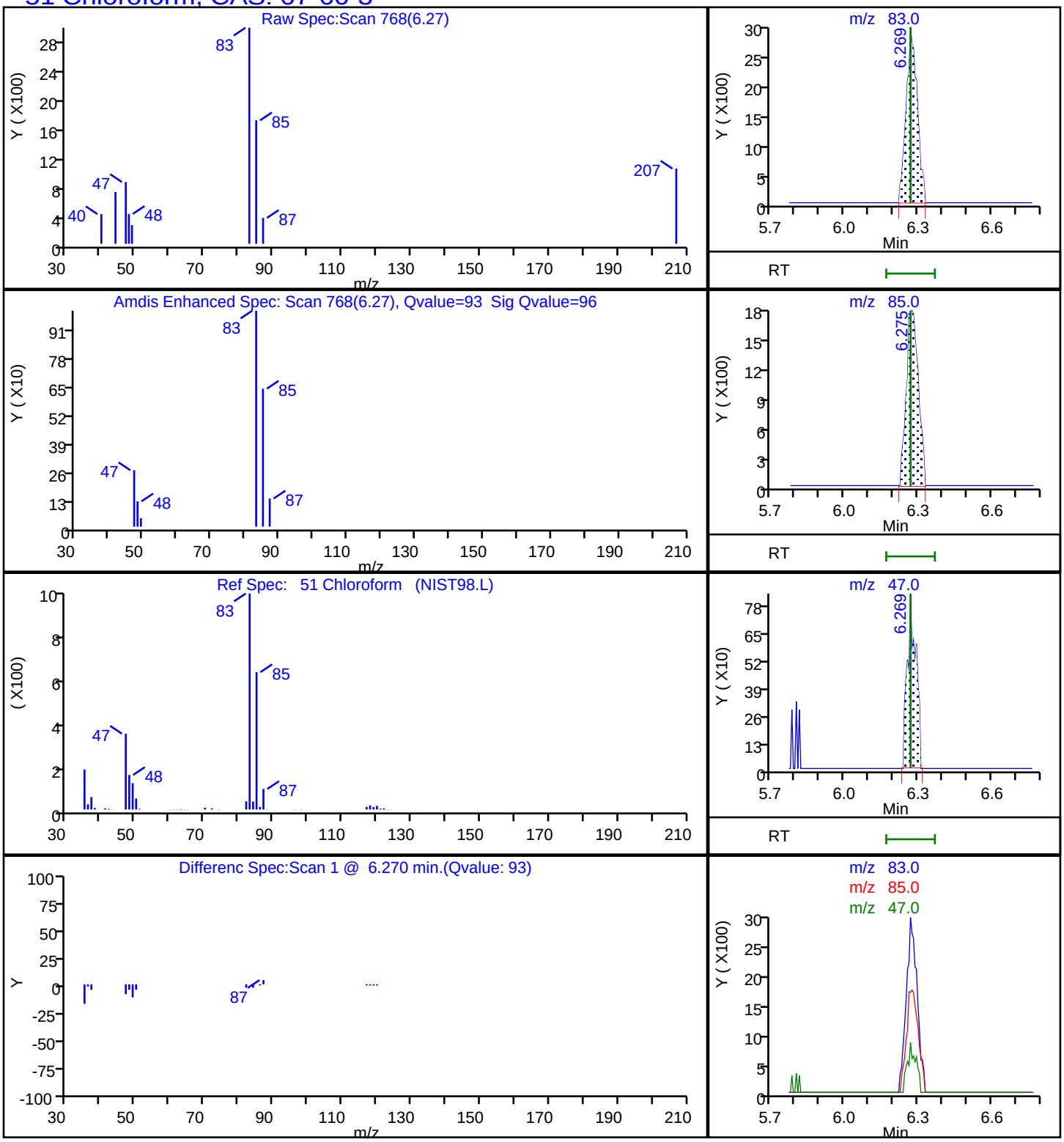
19 Acetone, CAS: 67-64-1



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X11.D				
Injection Date:	23-Oct-2024 13:17:30	Instrument ID:	16334		
Lims ID:	410-193020-A-3	Lab Sample ID:	410-193020-3		
Client ID:	HD-COD-SW-8-0/1-0				
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 (0.25 mm)	Detector	MS Quad		

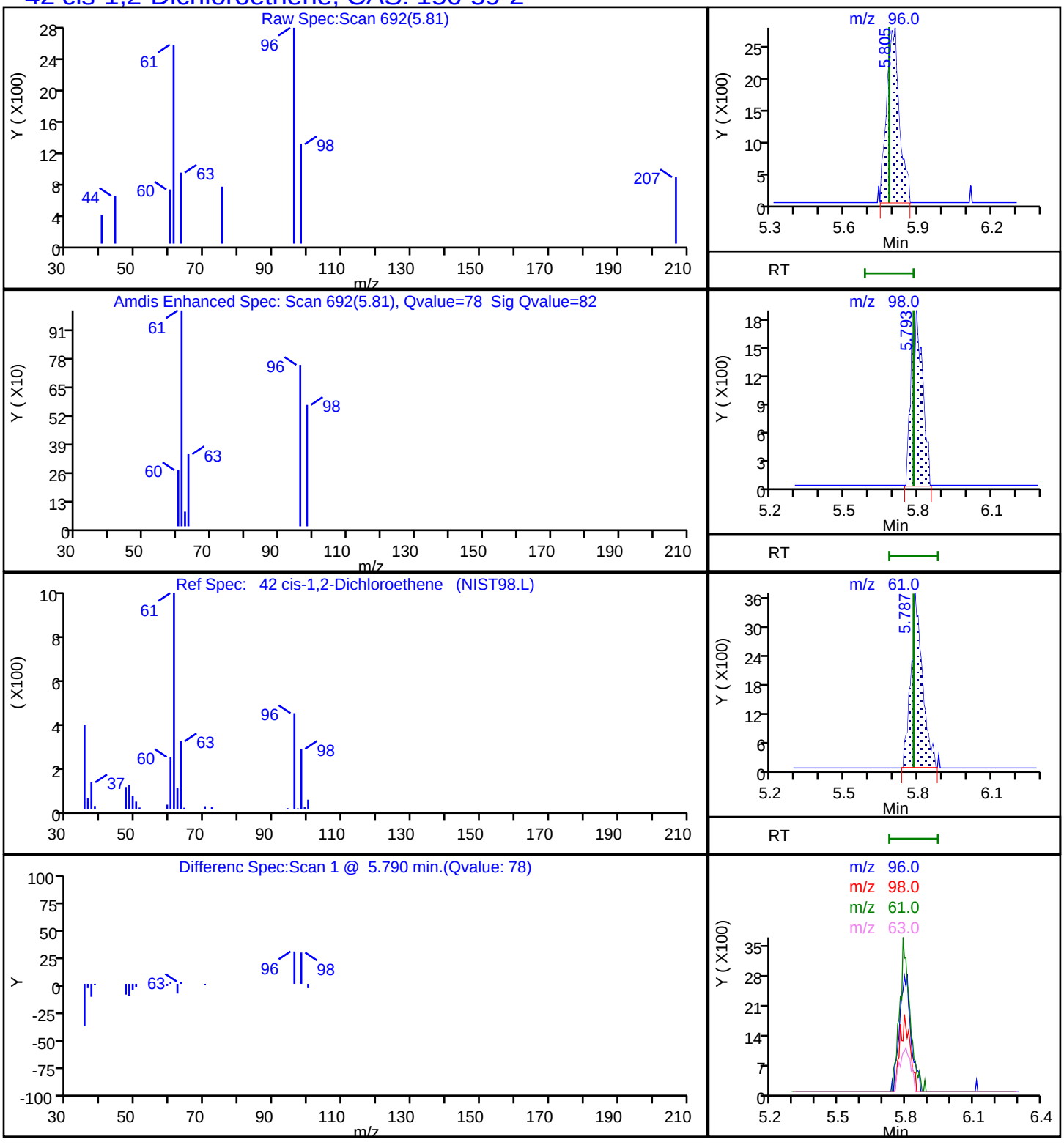
51 Chloroform, CAS: 67-66-3



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X11.D				
Injection Date:	23-Oct-2024 13:17:30	Instrument ID:	16334		
Lims ID:	410-193020-A-3	Lab Sample ID:	410-193020-3		
Client ID:	HD-COD-SW-8-0/1-0				
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 (0.25 mm)	Detector	MS Quad		

42 cis-1,2-Dichloroethene, CAS: 156-59-2

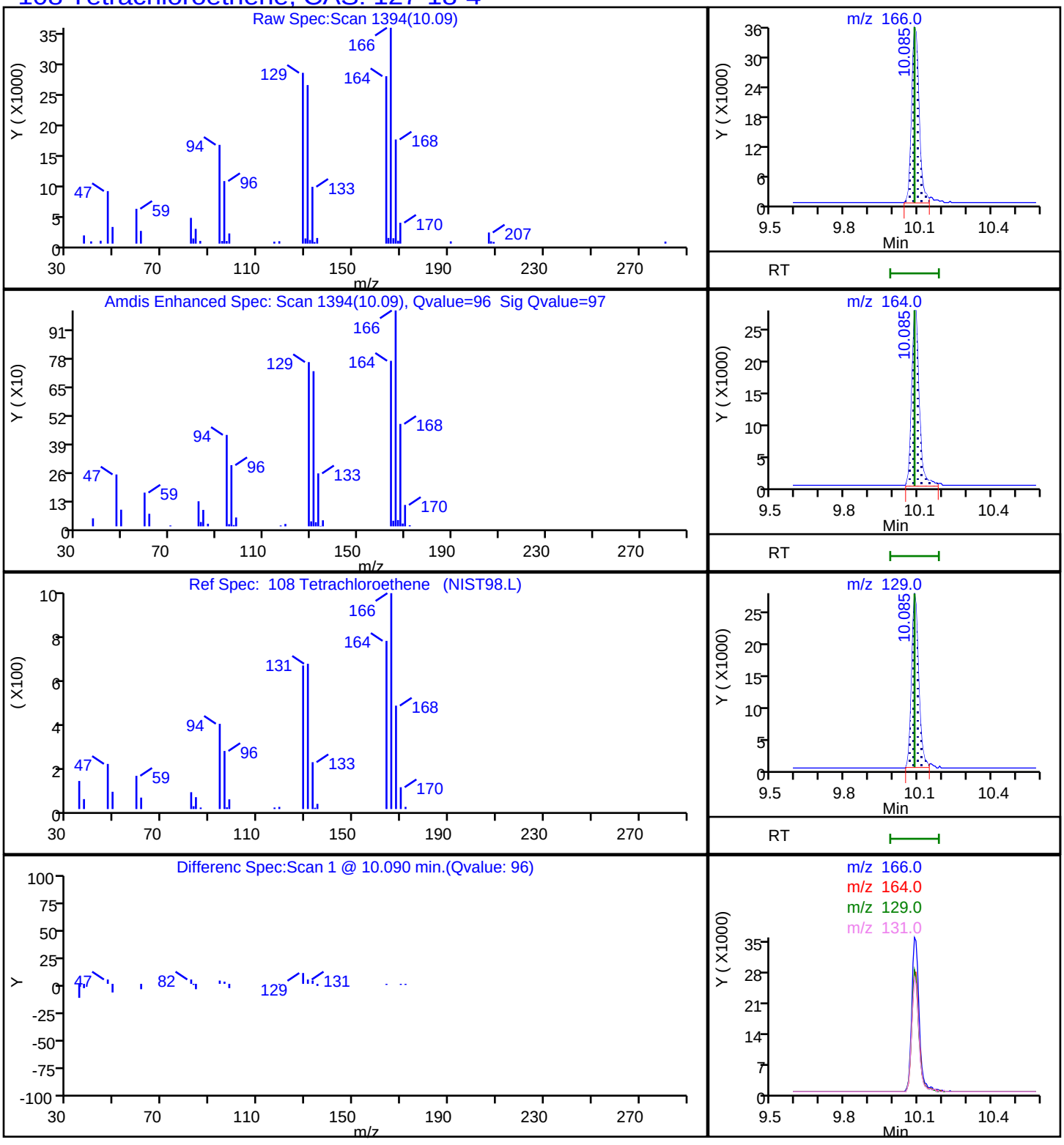


Report Date: 24-Oct-2024 08:24:55 Chrom Revision: 2.3 17-Oct-2024 11:42:22

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X11.D				
Injection Date:	23-Oct-2024 13:17:30	Instrument ID:	16334		
Lims ID:	410-193020-A-3	Lab Sample ID:	410-193020-3		
Client ID:	HD-COD-SW-8-0/1-0				
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 (0.25 mm)	Detector	MS Quad		

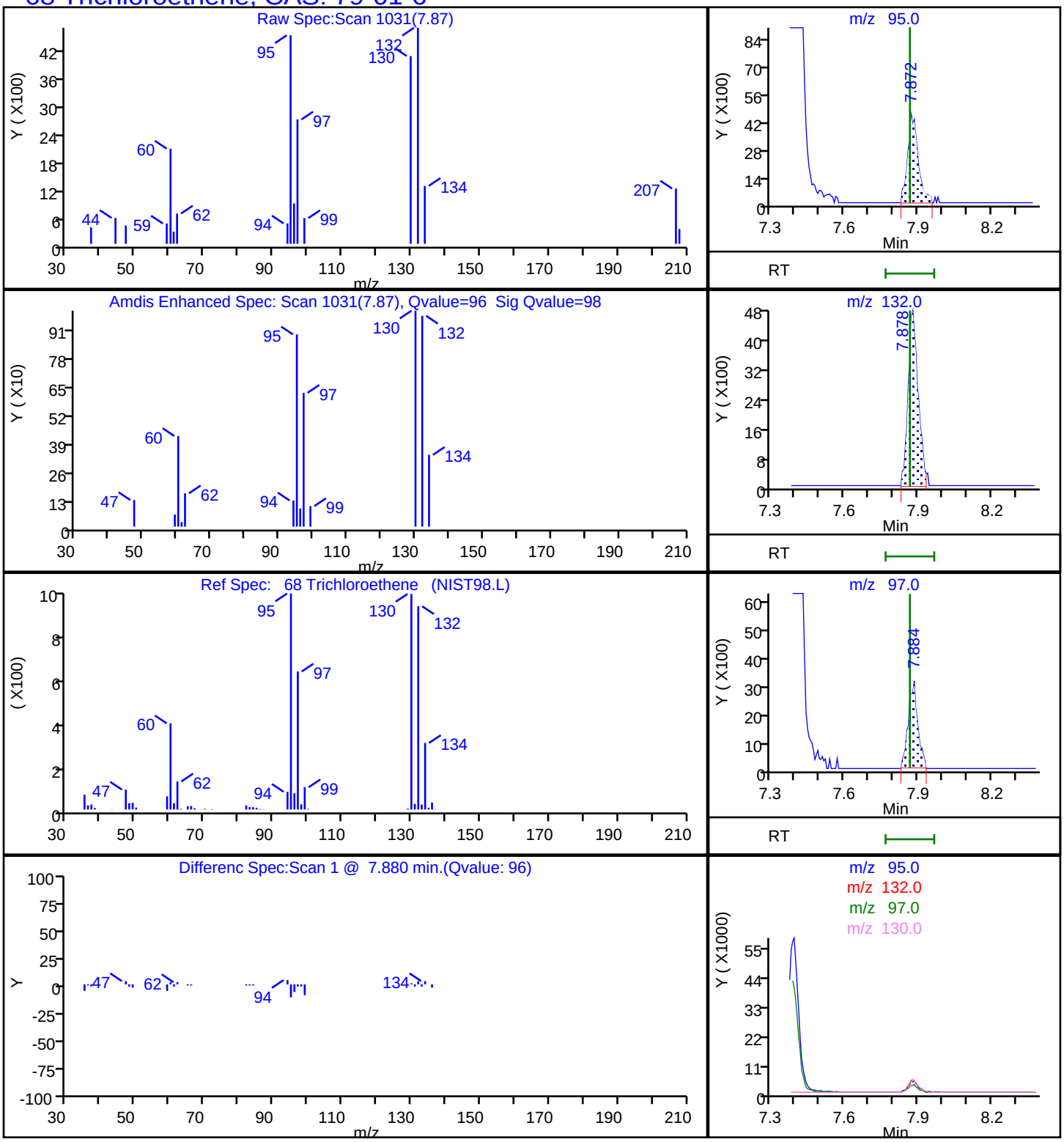
108 Tetrachloroethene, CAS: 127-18-4



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X11.D				
Injection Date:	23-Oct-2024 13:17:30	Instrument ID:	16334		
Lims ID:	410-193020-A-3	Lab Sample ID:	410-193020-3		
Client ID:	HD-COD-SW-8-0/1-0				
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 (0.25 mm)	Detector	MS Quad		

68 Trichloroethene, CAS: 79-01-6



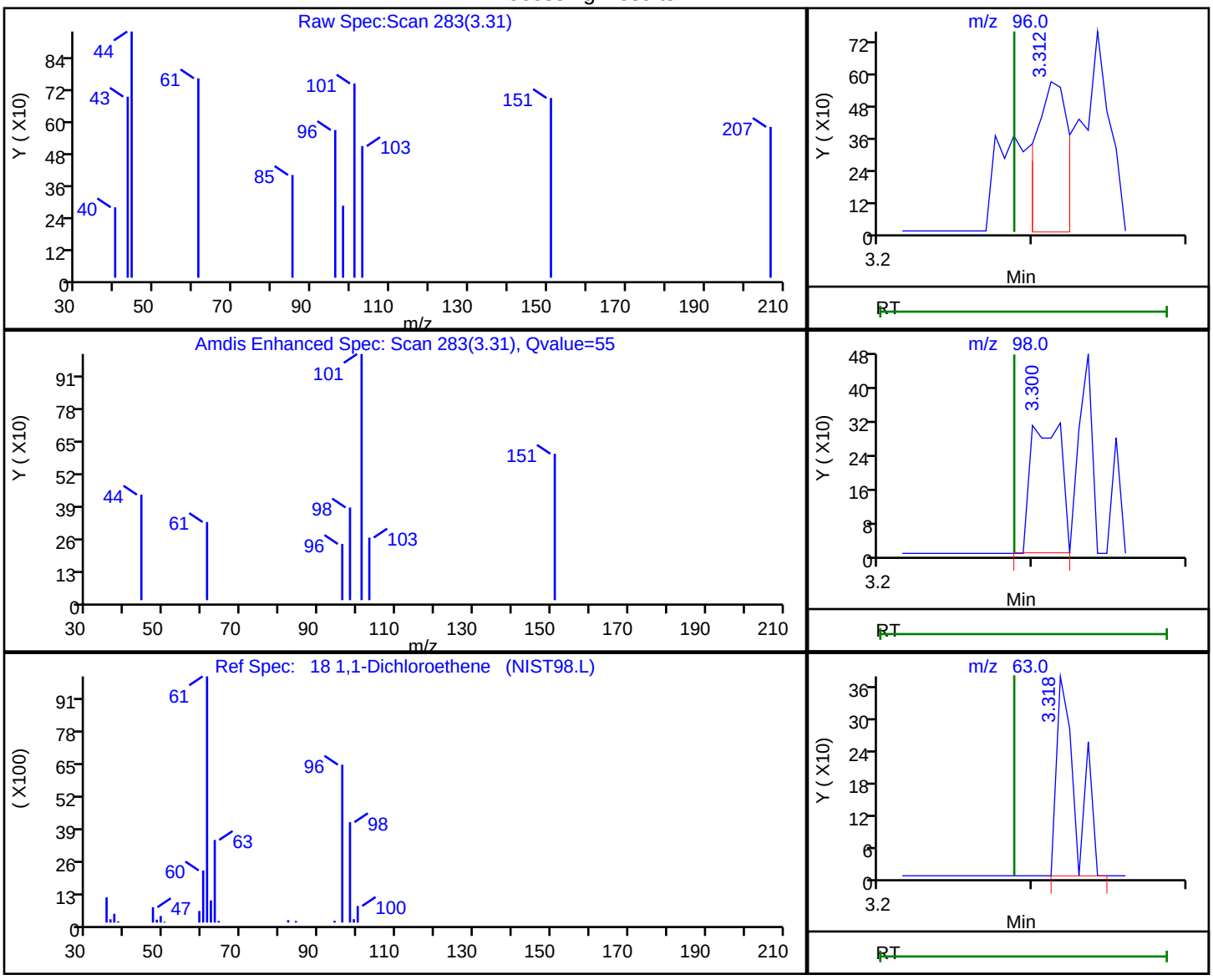
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X11.D				
Injection Date:	23-Oct-2024 13:17:30	Instrument ID:	16334		
Lims ID:	410-193020-A-3	Lab Sample ID:	410-193020-3		
Client ID:	HD-COD-SW-8-0/1-0				
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)	Detector	MS Quad		

18 1,1-Dichloroethene, CAS: 75-35-4

Processing Results



RT	Mass	Response	Amount
3.31	96.00	813	0.025144
3.30	98.00	425	
3.32	63.00	333	
3.32	61.00	2963	

Reviewer: FQ4L, 24-Oct-2024 08:24:28 07:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

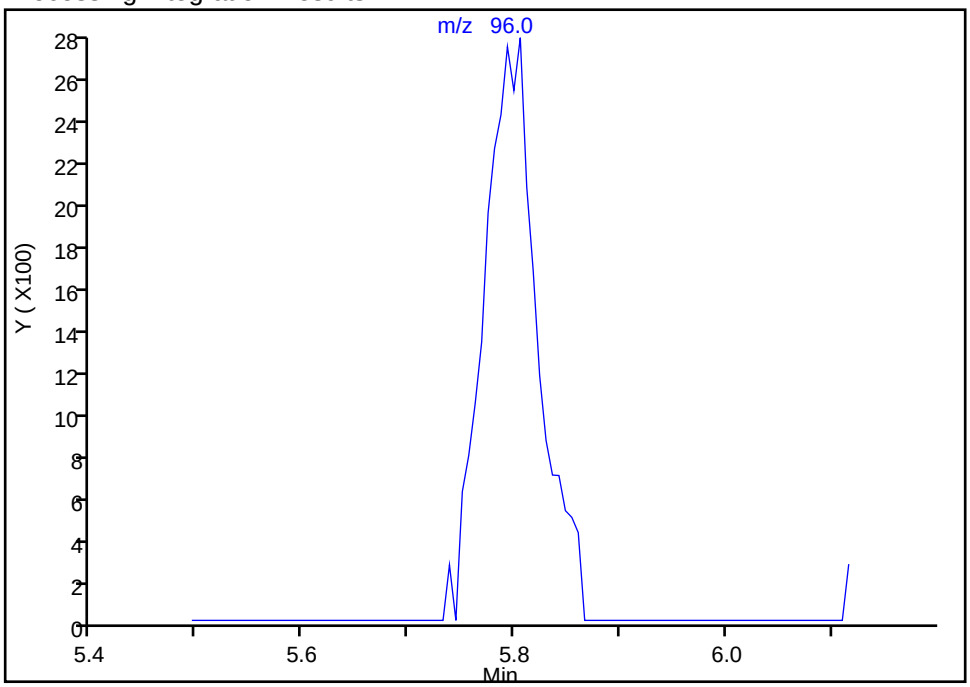
Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X11.D				
Injection Date:	23-Oct-2024 13:17:30	Instrument ID:	16334		
Lims ID:	410-193020-A-3	Lab Sample ID:	410-193020-3		
Client ID:	HD-COD-SW-8-0/1-0				
Operator ID:	ecr105096	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

42 cis-1,2-Dichloroethene, CAS: 156-59-2

Signal: 1

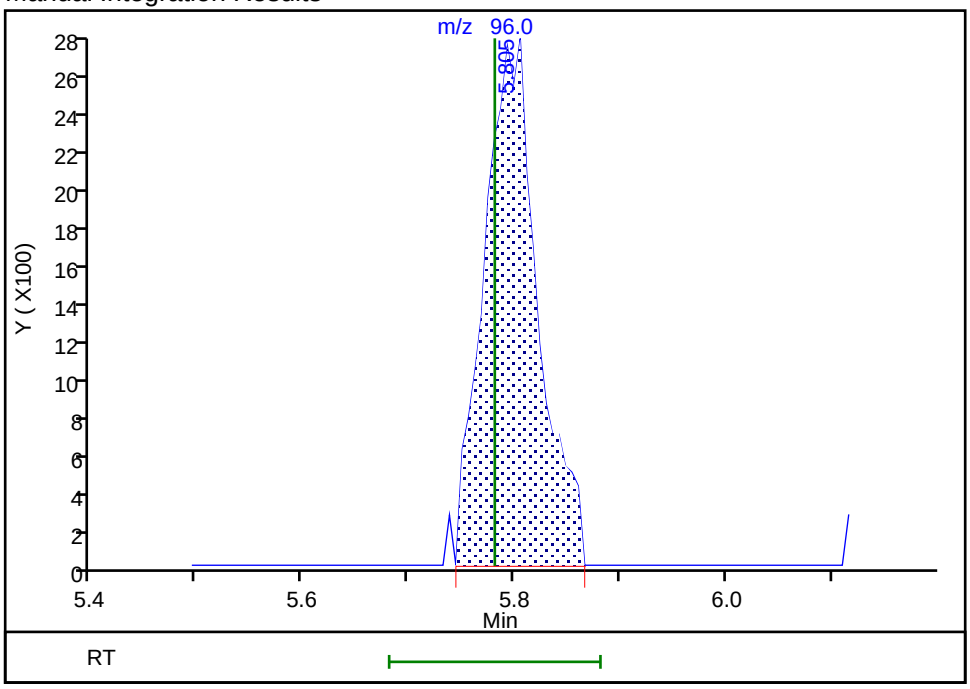
Not Detected
Expected RT: 5.78

Processing Integration Results



Manual Integration Results

RT: 5.81
Area: 9788
Amount: 0.234600
Amount Units: ug/l



Reviewer: FQ4L, 24-Oct-2024 08:24:37 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.: 410-193020-1

SDG No.:

Client Sample ID: HD-COD-SW-9-0/1-0
Lab Sample ID: 410-193020-4

Matrix: Water
Lab File ID: GC23X12.D

Analysis Method: 8260D
Date Collected: 10/18/2024 12:10

Sample wt/vol: 25(mL)
Date Analyzed: 10/23/2024 13:40

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.: 566703
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	0.13	J	0.50	0.090
74-87-3	Chloromethane	ND		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	0.13	J	0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	0.28	J	0.50	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-193020-1

SDG No.:

Client Sample ID: HD-COD-SW-9-0/1-0
Lab Sample ID: 410-193020-4

Matrix: Water
Lab File ID: GC23X12.D

Analysis Method: 8260D
Date Collected: 10/18/2024 12:10

Sample wt/vol: 25(mL)
Date Analyzed: 10/23/2024 13:40

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.: 566703
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)	96		80-120
460-00-4	4-Bromofluorobenzene (Surr)	99		80-120
1868-53-7	Dibromofluoromethane (Surr)	101		80-120
2037-26-5	Toluene-d8 (Surr)	106		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X12.D
Lims ID: 410-193020-A-4
Client ID: HD-COD-SW-9-0/1-0
Sample Type: Client
Inject. Date: 23-Oct-2024 13:40:30 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0128543-013
Operator ID: ecr105096 Instrument ID: 16334

Method: \\chromfs\Lancaster\ChromData\16334\20241023-128543.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 24-Oct-2024 08:25:32 Calib Date: 26-Aug-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\16334\20240826-123245.b\GG26X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1694

First Level Reviewer: FQ4L Date: 24-Oct-2024 08:25:32

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50	2.020	2.032	-0.012	93	2713	0.0555	
6 Vinyl chloride	62		2.136				ND	
9 Bromomethane	94		2.453				ND	
10 Chloroethane	64		2.495				ND	
18 1,1-Dichloroethene	96		3.288				ND	7
19 Acetone	43	3.361	3.324	0.037	94	7656	2.10	
24 Carbon disulfide	76	3.562	3.562	0.000	99	8608	0.0775	
29 Methylene Chloride	84		3.897				ND	
* 30 t-Butyl alcohol-d10 (IS)	65	3.946	3.934	0.012	22	75942	50.0	
33 Methyl tert-butyl ether	73		4.275				ND	
34 trans-1,2-Dichloroethene	96		4.275				ND	
37 1,1-Dichloroethane	63		4.934				ND	
41 2-Butanone (MEK)	43		5.769				ND	
42 cis-1,2-Dichloroethene	96	5.793	5.781	0.012	76	5364	0.1270	
49 Chlorobromomethane	128		6.110				ND	
51 Chloroform	83	6.275	6.269	0.006	93	8579	0.1276	
$ 52 Dibromofluoromethane (Surr)	113	6.494	6.482	0.012	93	460231	10.1	
53 1,1,1-Trichloroethane	97		6.501				ND	
55 Carbon tetrachloride	117		6.708				ND	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.946	6.940	0.006	66	81038	9.60	
60 Benzene	78		6.976				ND	7
61 1,2-Dichloroethane	62		7.043				ND	
* 64 Fluorobenzene (IS)	96	7.391	7.385	0.006	99	1895511	10.0	
68 Trichloroethene	95	7.878	7.866	0.012	95	7281	0.1745	a
70 1,2-Dichloropropane	63		8.195				ND	
76 Dichlorobromomethane	83		8.549				ND	7
81 cis-1,3-Dichloropropene	75		9.110				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.305				ND	
$ 83 Toluene-d8 (Surr)	98	9.439	9.433	0.006	94	1918454	10.6	
84 Toluene	92	9.518	9.512	0.006	96	4660	0.0475	
85 trans-1,3-Dichloropropene	75		9.787				ND	
107 1,1,2-Trichloroethane	97		9.994				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
108 Tetrachloroethene	166	10.091	10.085	0.006	96	13433	0.2841	
110 2-Hexanone	43		10.232				ND	
112 Chlorodibromomethane	129		10.378				ND	
113 Ethylene Dibromide	107		10.488				ND	
* 114 Chlorobenzene-d5 (IS)	117	10.933	10.933	0.000	85	1386429	10.0	
116 Chlorobenzene	112		10.957				ND	
117 1,1,1,2-Tetrachloroethane	131		11.042				ND	
118 Ethylbenzene	91		11.049				ND	
120 m-Xylene & p-Xylene	106		11.164				ND	7
S 119 Xylenes, Total	106		11.245				ND	7
121 o-Xylene	106		11.500				ND	
122 Styrene	104		11.518				ND	
123 Bromoform	173		11.670				ND	
$ 127 4-Bromofluorobenzene (Surr)	95	11.945	11.945	0.000	90	632064	9.91	
128 1,1,2,2-Tetrachloroethane	83		12.048				ND	
* 142 1,4-Dichlorobenzene-d4	152	12.829	12.823	0.006	95	713471	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

a - User Assigned ID

Reagents:

MSV_HP25_ISSS_00101 Amount Added: 1.00 Units: uL Run Reagent

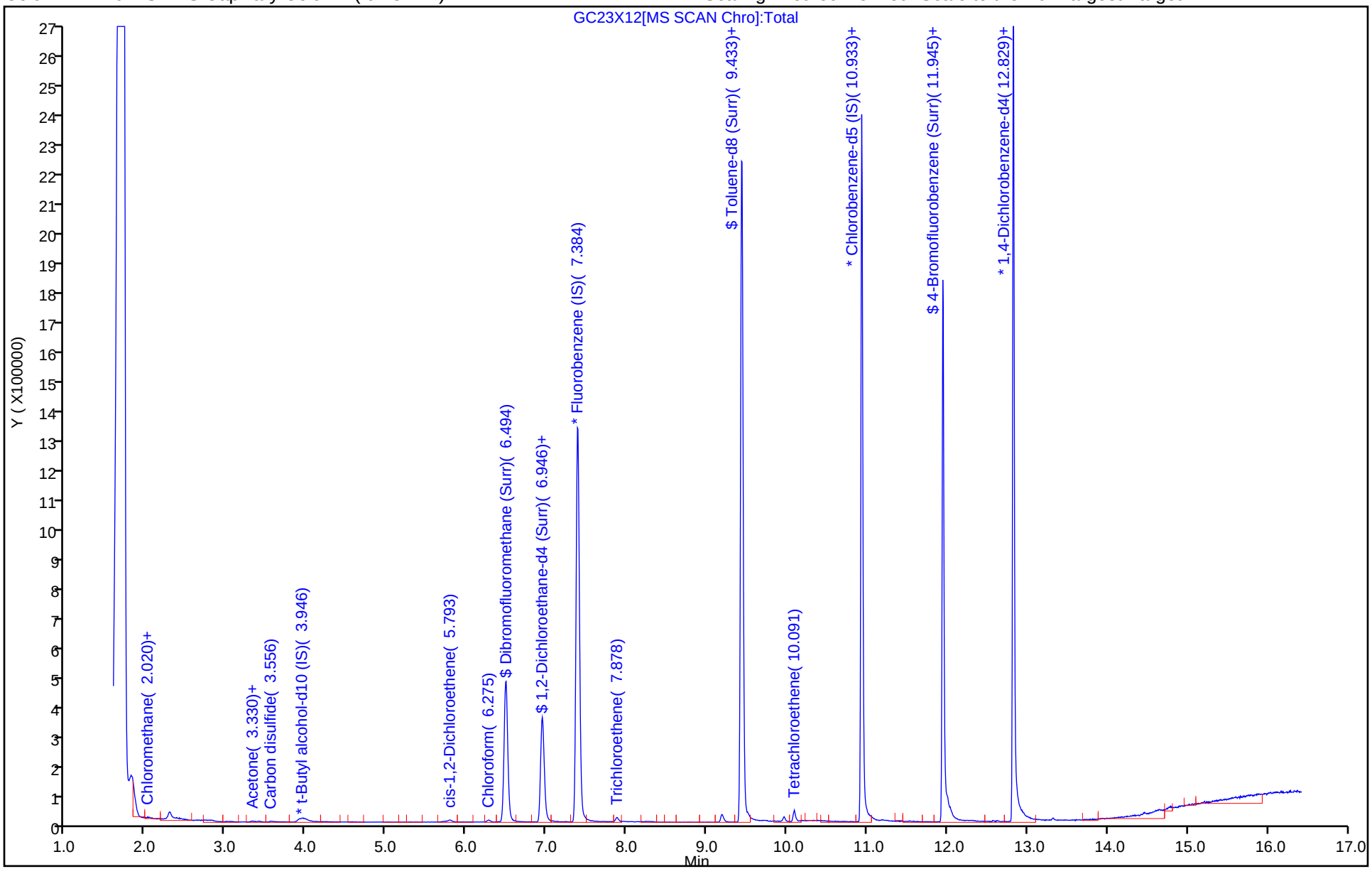
Report Date: 24-Oct-2024 08:25:33 Chrom Revision: 2.3 17-Oct-2024 11:42:22

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X12.D

Injection Date:	23-Oct-2024 13:40:30	Instrument ID:	16334	Operator ID:	ecr105096
Lims ID:	410-193020-A-4	Lab Sample ID:	410-193020-4	Worklist Smp#:	13
Client ID:	HD-COD-SW-9-0/1-0				
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	MSV_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\20241023-128543.b\GC23X12.D				
Lims ID:	410-193020-A-4				
Client ID:	HD-COD-SW-9-0/1-0				
Sample Type:	Client				
Inject. Date:	23-Oct-2024 13:40:30	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0128543-013				
Operator ID:	ecr105096	Instrument ID:	16334		
Method:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\MSV_16334_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	24-Oct-2024 08:25:32	Calib Date:	26-Aug-2024 17:02:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\16334\20240826-123245.b\GG26X08.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1694				

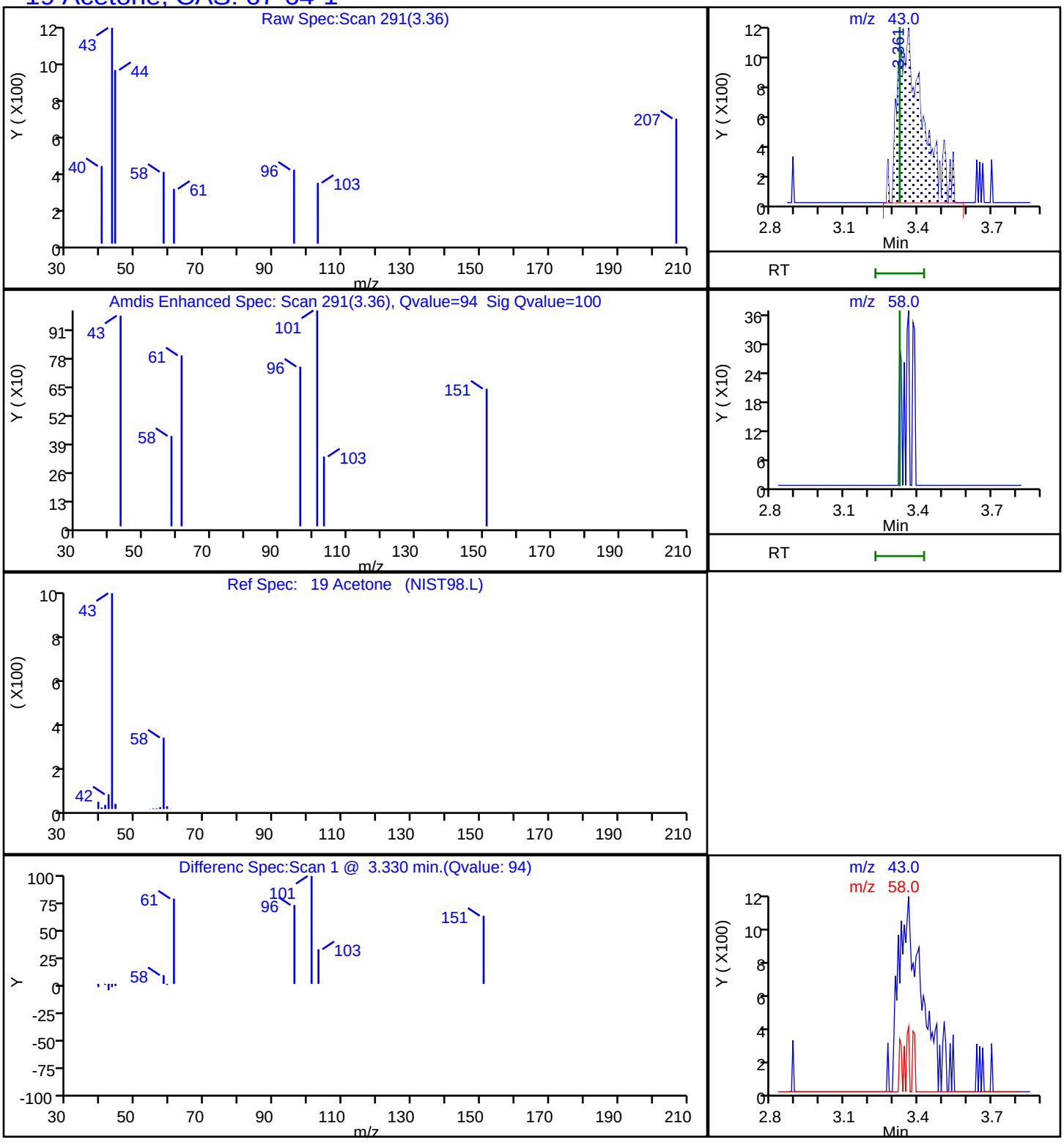
First Level Reviewer: FQ4L Date: 24-Oct-2024 08:25:32

Compound	Amount Added	Amount Recovered	% Rec.
$ 52 Dibromofluoromethane (Surr)	10.0	10.1	101.33
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	9.60	96.04
$ 83 Toluene-d8 (Surr)	10.0	10.6	105.73
$ 127 4-Bromofluorobenzene (Surr)	10.0	9.91	99.14

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X12.D				
Injection Date:	23-Oct-2024 13:40:30	Instrument ID:	16334		
Lims ID:	410-193020-A-4	Lab Sample ID:	410-193020-4		
Client ID:	HD-COD-SW-9-0/1-0				
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 (0.25 mm)	Detector	MS Quad		

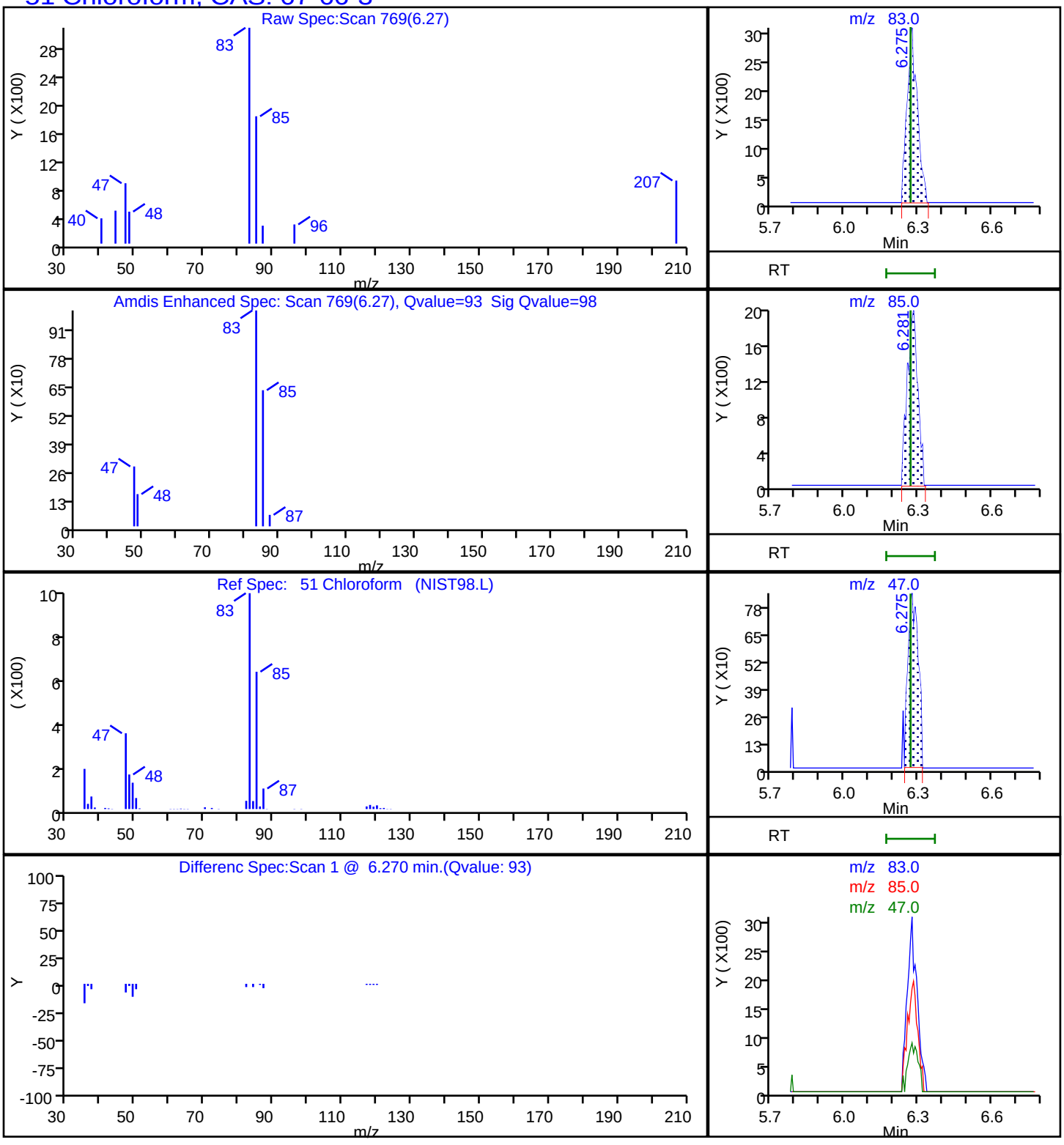
19 Acetone, CAS: 67-64-1



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X12.D				
Injection Date:	23-Oct-2024 13:40:30	Instrument ID:	16334		
Lims ID:	410-193020-A-4	Lab Sample ID:	410-193020-4		
Client ID:	HD-COD-SW-9-0/1-0				
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)	Detector	MS Quad		

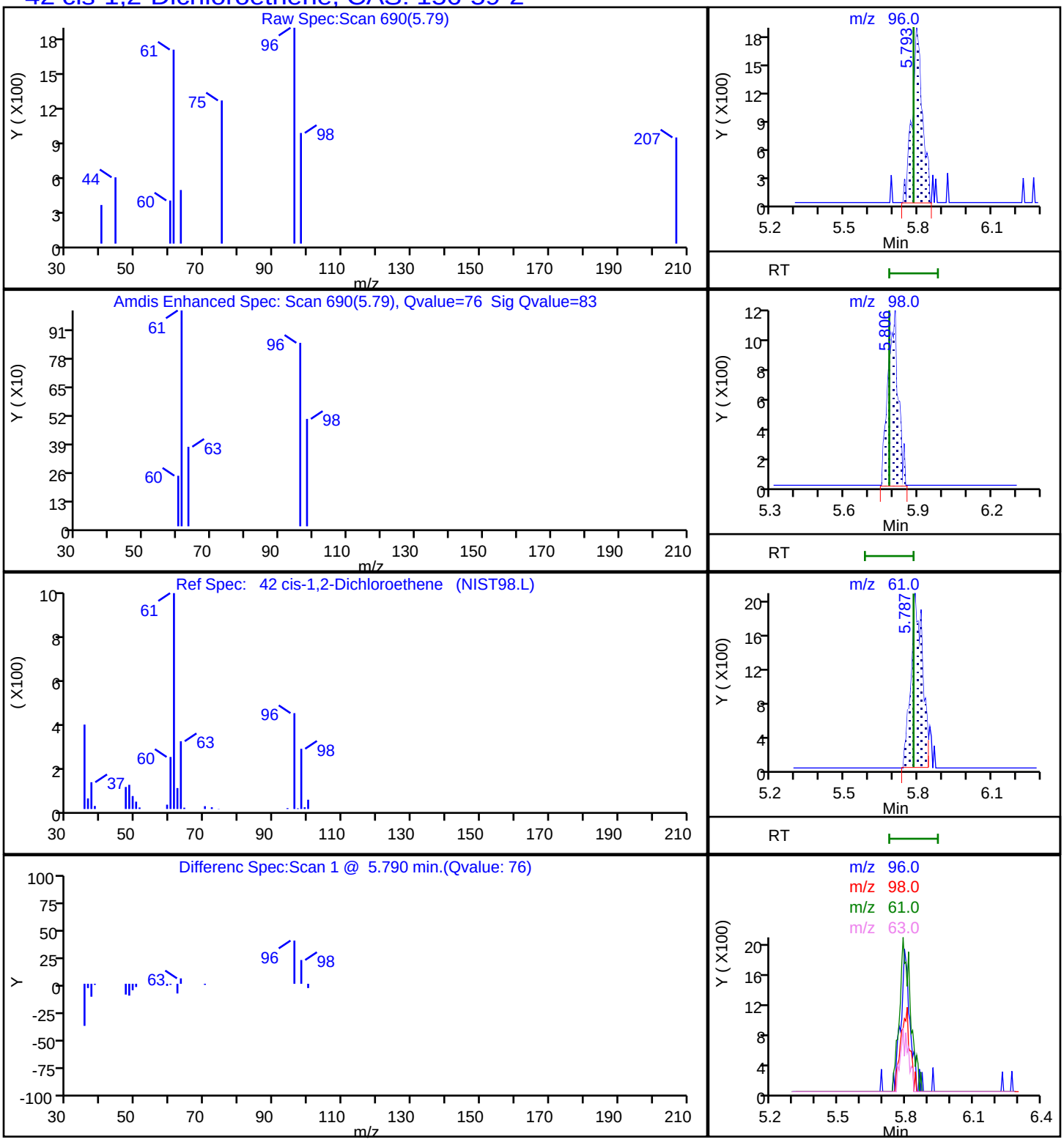
51 Chloroform, CAS: 67-66-3



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X12.D				
Injection Date:	23-Oct-2024 13:40:30	Instrument ID:	16334		
Lims ID:	410-193020-A-4	Lab Sample ID:	410-193020-4		
Client ID:	HD-COD-SW-9-0/1-0				
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 (0.25 mm)	Detector	MS Quad		

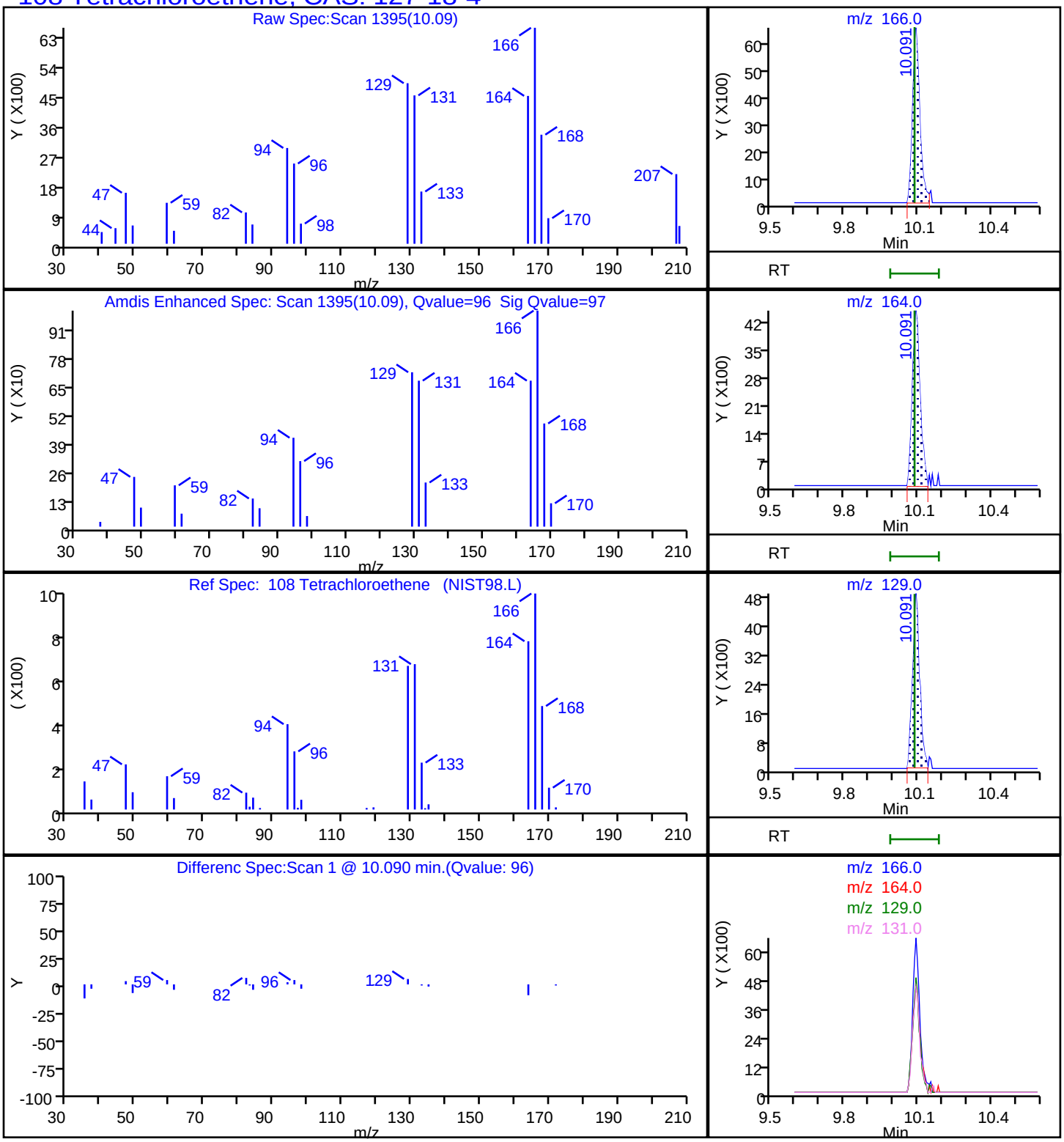
42 cis-1,2-Dichloroethene, CAS: 156-59-2



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X12.D				
Injection Date:	23-Oct-2024 13:40:30	Instrument ID:	16334		
Lims ID:	410-193020-A-4	Lab Sample ID:	410-193020-4		
Client ID:	HD-COD-SW-9-0/1-0				
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 (0.25 mm)	Detector	MS Quad		

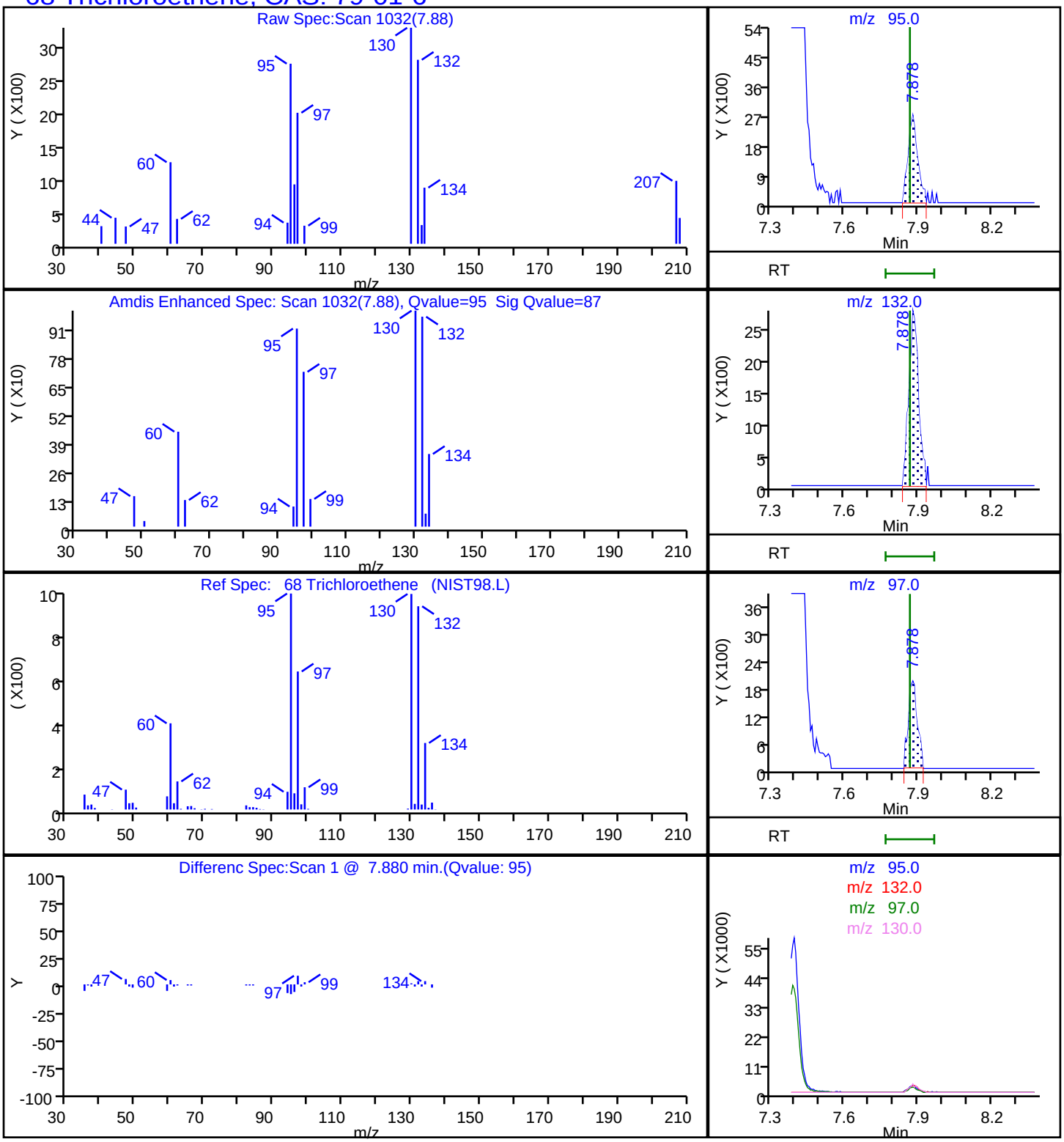
108 Tetrachloroethene, CAS: 127-18-4



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X12.D				
Injection Date:	23-Oct-2024 13:40:30	Instrument ID:	16334		
Lims ID:	410-193020-A-4	Lab Sample ID:	410-193020-4		
Client ID:	HD-COD-SW-9-0/1-0				
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 (0.25 mm)	Detector	MS Quad		

68 Trichloroethene, CAS: 79-01-6



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

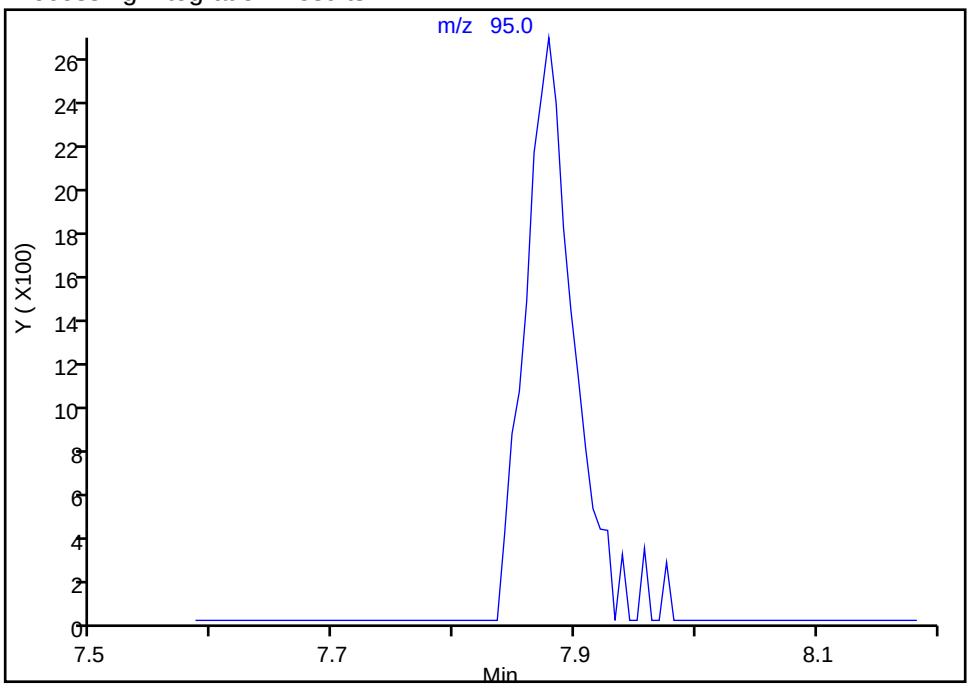
Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X12.D				
Injection Date:	23-Oct-2024 13:40:30	Instrument ID:	16334		
Lims ID:	410-193020-A-4	Lab Sample ID:	410-193020-4		
Client ID:	HD-COD-SW-9-0/1-0				
Operator ID:	ecr105096	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

68 Trichloroethene, CAS: 79-01-6

Signal: 1

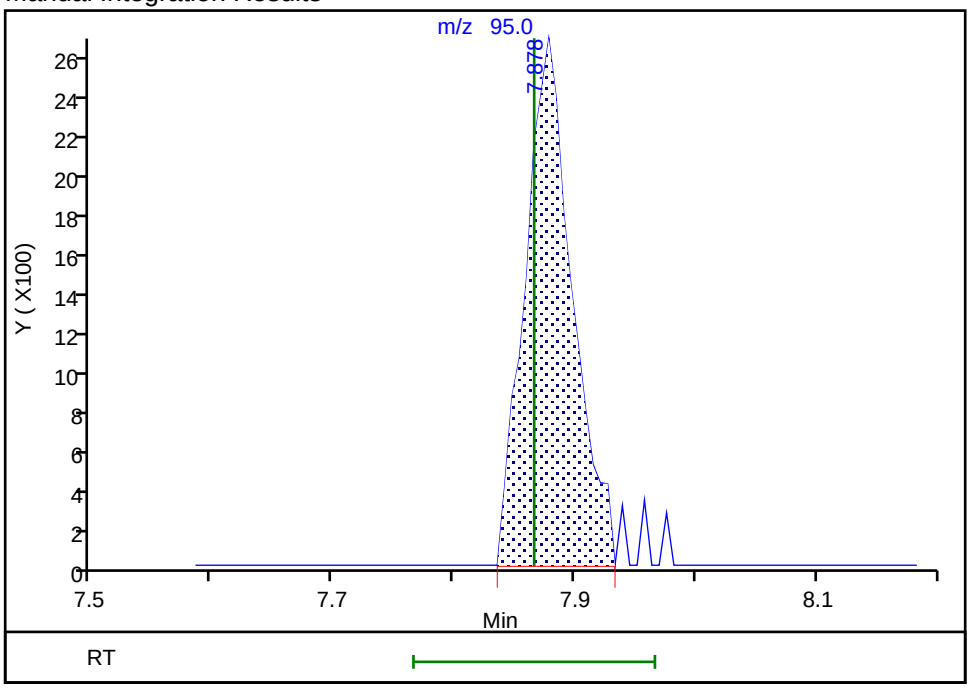
Not Detected
Expected RT: 7.87

Processing Integration Results



Manual Integration Results

RT: 7.88
Area: 7281
Amount: 0.174472
Amount Units: ug/l



Reviewer: FQ4L, 24-Oct-2024 08:25:19 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.: 410-193020-1

SDG No.:

Client Sample ID: HD-COD-SW-13-0/1-0
Lab Sample ID: 410-193020-5

Matrix: Water
Lab File ID: GC23X13.D

Analysis Method: 8260D
Date Collected: 10/18/2024 09:10

Sample wt/vol: 25(mL)
Date Analyzed: 10/23/2024 14:02

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 566703
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	0.12	J	0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.10
79-00-5	1,1,2-Trichloroethane	ND		0.50	0.080
75-34-3	1,1-Dichloroethane	ND		0.50	0.10
75-35-4	1,1-Dichloroethene	ND		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	ND		0.50	0.080
107-06-2	1,2-Dichloroethane	ND		0.50	0.070
78-87-5	1,2-Dichloropropane	ND		0.50	0.10
78-93-3	2-Butanone (MEK)	ND		5.0	1.0
591-78-6	2-Hexanone	ND		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	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	0.13	J	0.50	0.090
74-87-3	Chloromethane	ND		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	0.24	J	0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
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.: 410-193020-1

SDG No.:

Client Sample ID: HD-COD-SW-13-0/1-0
Lab Sample ID: 410-193020-5

Matrix: Water
Lab File ID: GC23X13.D

Analysis Method: 8260D
Date Collected: 10/18/2024 09:10

Sample wt/vol: 25(mL)
Date Analyzed: 10/23/2024 14:02

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 566703
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)	99		80-120
460-00-4	4-Bromofluorobenzene (Surr)	99		80-120
1868-53-7	Dibromofluoromethane (Surr)	104		80-120
2037-26-5	Toluene-d8 (Surr)	105		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X13.D
Lims ID: 410-193020-A-5
Client ID: HD-COD-SW-13-0/1-0
Sample Type: Client
Inject. Date: 23-Oct-2024 14:02:30 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0128543-014
Operator ID: ecr105096 Instrument ID: 16334

Method: \\chromfs\Lancaster\ChromData\16334\20241023-128543.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 24-Oct-2024 08:29:05 Calib Date: 26-Aug-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\16334\20240826-123245.b\GG26X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1694

First Level Reviewer: FQ4L Date: 24-Oct-2024 08:29:05

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50		2.032				ND	U
6 Vinyl chloride	62		2.136				ND	7
9 Bromomethane	94		2.453				ND	
10 Chloroethane	64		2.495				ND	
18 1,1-Dichloroethene	96	3.337	3.288	0.049	92	1912	0.0567	
19 Acetone	43		3.324				ND	U
24 Carbon disulfide	76		3.562				ND	7
29 Methylene Chloride	84		3.897				ND	
* 30 t-Butyl alcohol-d10 (IS)	65	3.946	3.934	0.012	21	77438	50.0	
33 Methyl tert-butyl ether	73		4.275				ND	
34 trans-1,2-Dichloroethene	96		4.275				ND	
37 1,1-Dichloroethane	63		4.934				ND	
41 2-Butanone (MEK)	43		5.769				ND	
42 cis-1,2-Dichloroethene	96	5.799	5.781	0.018	79	10559	0.2425	
49 Chlorobromomethane	128		6.110				ND	
51 Chloroform	83	6.275	6.269	0.006	93	9234	0.1333	
$ 52 Dibromofluoromethane (Surr)	113	6.488	6.482	0.006	93	485447	10.4	
53 1,1,1-Trichloroethane	97	6.513	6.501	0.012	63	7504	0.1222	Ma
55 Carbon tetrachloride	117		6.708				ND	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.946	6.940	0.006	66	86382	9.93	
60 Benzene	78		6.976				ND	7
61 1,2-Dichloroethane	62		7.043				ND	
* 64 Fluorobenzene (IS)	96	7.385	7.385	0.000	99	1953514	10.0	
68 Trichloroethene	95	7.884	7.866	0.018	97	13603	0.3163	
70 1,2-Dichloropropane	63		8.195				ND	
76 Dichlorobromomethane	83		8.549				ND	
81 cis-1,3-Dichloropropene	75		9.110				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.305				ND	
$ 83 Toluene-d8 (Surr)	98	9.433	9.433	0.000	94	1950615	10.5	
84 Toluene	92	9.518	9.512	0.006	97	2984	0.0298	
85 trans-1,3-Dichloropropene	75		9.787				ND	
107 1,1,2-Trichloroethane	97		9.994				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
108 Tetrachloroethene	166	10.085	10.085	0.000	97	83621	1.73	
110 2-Hexanone	43		10.232				ND	7
112 Chlorodibromomethane	129		10.378				ND	
113 Ethylene Dibromide	107		10.488				ND	
* 114 Chlorobenzene-d5 (IS)	117	10.933	10.933	0.000	85	1413933	10.0	
116 Chlorobenzene	112		10.957				ND	
117 1,1,1,2-Tetrachloroethane	131		11.042				ND	
118 Ethylbenzene	91		11.049				ND	
120 m-Xylene & p-Xylene	106		11.164				ND	7
S 119 Xylenes, Total	106		11.245				ND	7
121 o-Xylene	106		11.500				ND	
122 Styrene	104		11.518				ND	
123 Bromoform	173		11.670				ND	
$ 127 4-Bromofluorobenzene (Surr)	95	11.945	11.945	0.000	91	643603	9.90	
128 1,1,2,2-Tetrachloroethane	83		12.048				ND	
* 142 1,4-Dichlorobenzene-d4	152	12.829	12.823	0.006	95	736713	10.0	

QC Flag Legend

Processing Flags
- 7 - Failed Limit of Detection

Review Flags
- M - Manually Integrated
- U - Marked Undetected
- a - User Assigned ID

Reagents:

MSV_HP25_ISSS_00101 Amount Added: 1.00 Units: uL Run Reagent

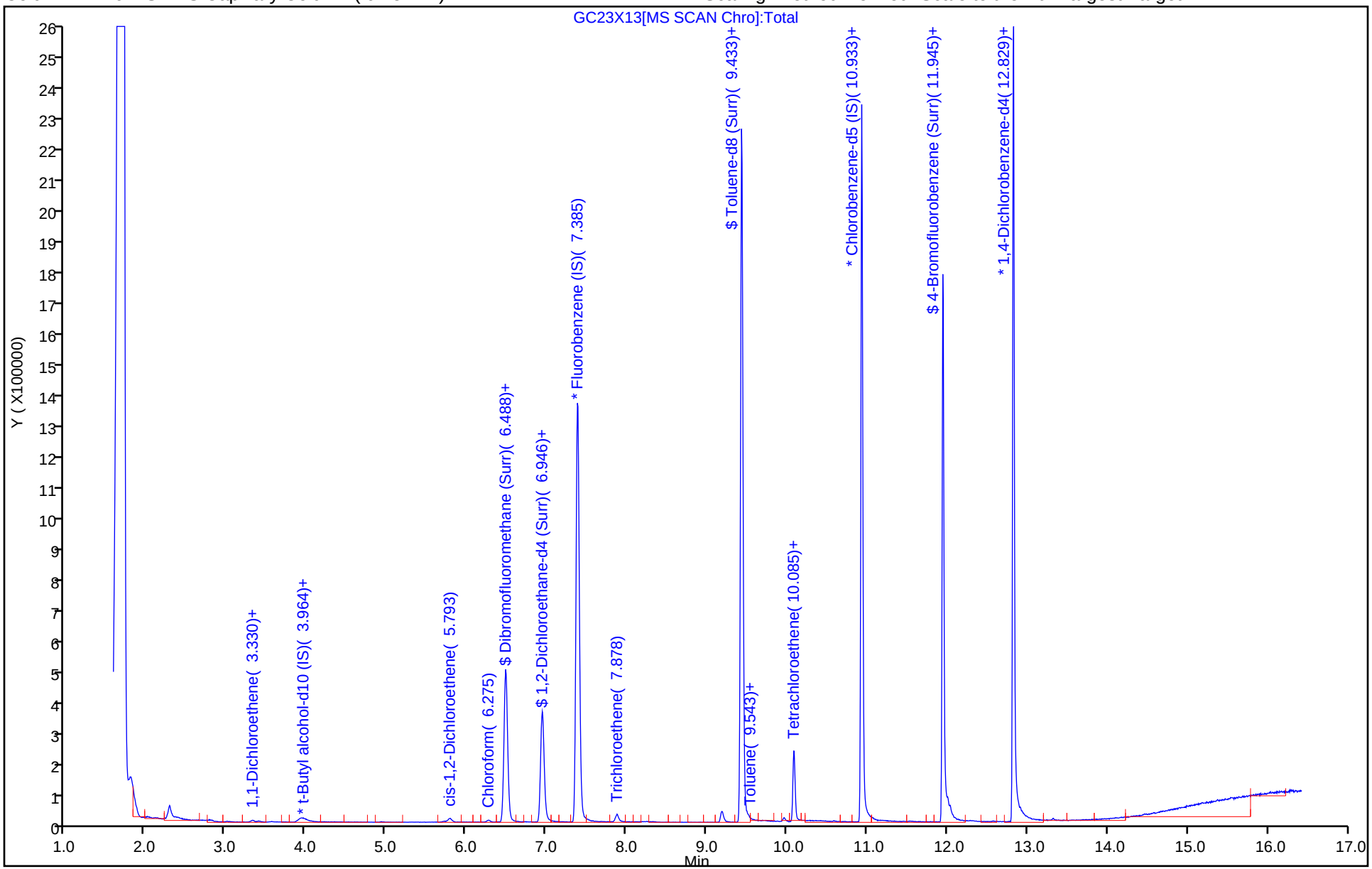
Report Date: 24-Oct-2024 08:29:05 Chrom Revision: 2.3 17-Oct-2024 11:42:22

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X13.D

Injection Date:	23-Oct-2024 14:02:30	Instrument ID:	16334	Operator ID:	ecr105096
Lims ID:	410-193020-A-5	Lab Sample ID:	410-193020-5	Worklist Smp#:	14
Client ID:	HD-COD-SW-13-0/1-0				
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	MSV_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\20241023-128543.b\GC23X13.D				
Lims ID:	410-193020-A-5				
Client ID:	HD-COD-SW-13-0/1-0				
Sample Type:	Client				
Inject. Date:	23-Oct-2024 14:02:30	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0128543-014				
Operator ID:	ecr105096	Instrument ID:	16334		
Method:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\MSV_16334_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	24-Oct-2024 08:29:05	Calib Date:	26-Aug-2024 17:02:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\16334\20240826-123245.b\GG26X08.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1694				

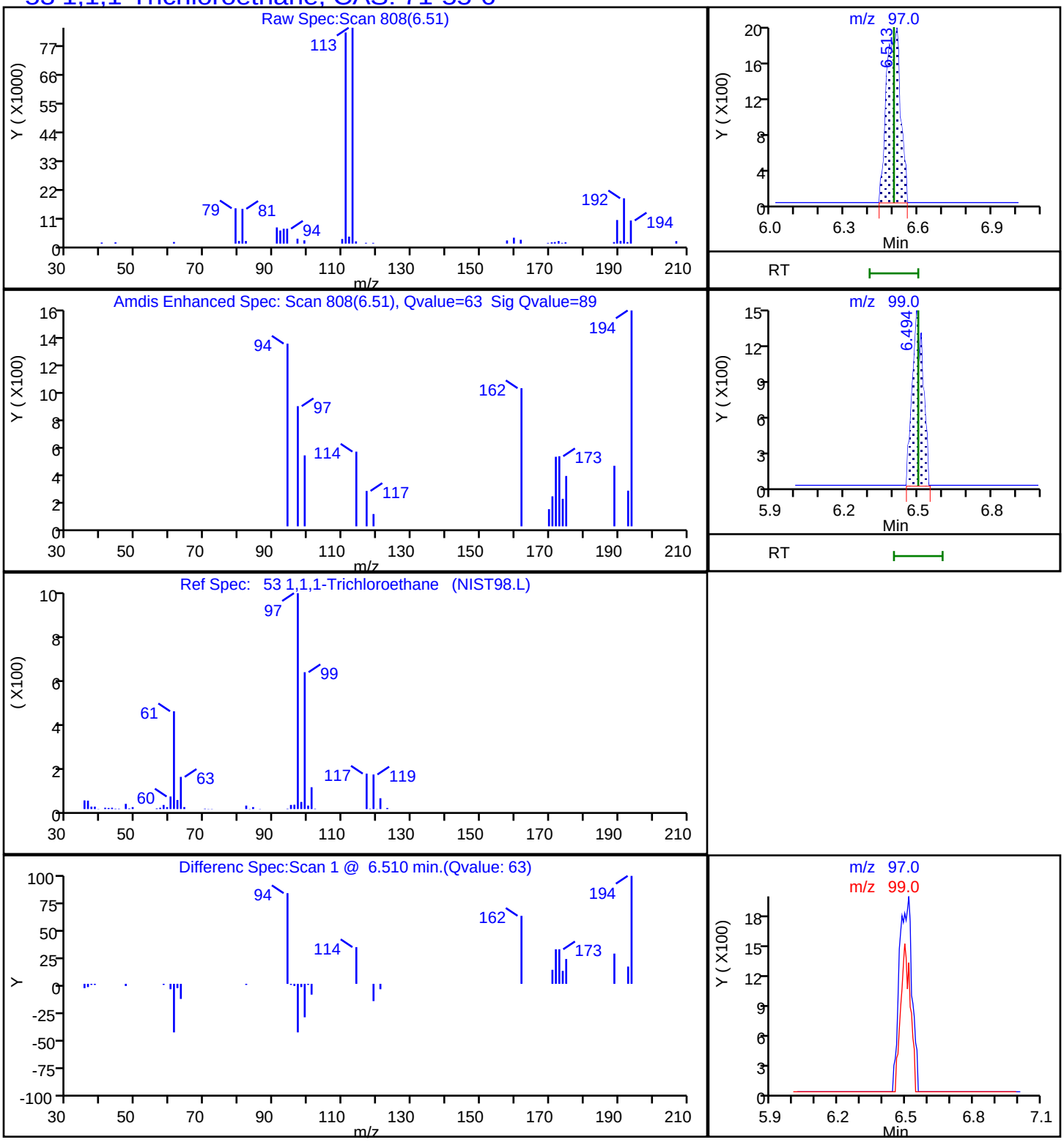
First Level Reviewer: FQ4L Date: 24-Oct-2024 08:29:05

Compound	Amount Added	Amount Recovered	% Rec.
$ 52 Dibromofluoromethane (Surr)	10.0	10.4	103.71
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	9.93	99.33
$ 83 Toluene-d8 (Surr)	10.0	10.5	105.41
$ 127 4-Bromofluorobenzene (Surr)	10.0	9.90	98.98

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X13.D				
Injection Date:	23-Oct-2024 14:02:30	Instrument ID:	16334		
Lims ID:	410-193020-A-5	Lab Sample ID:	410-193020-5		
Client ID:	HD-COD-SW-13-0/1-0				
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)	Detector	MS Quad		

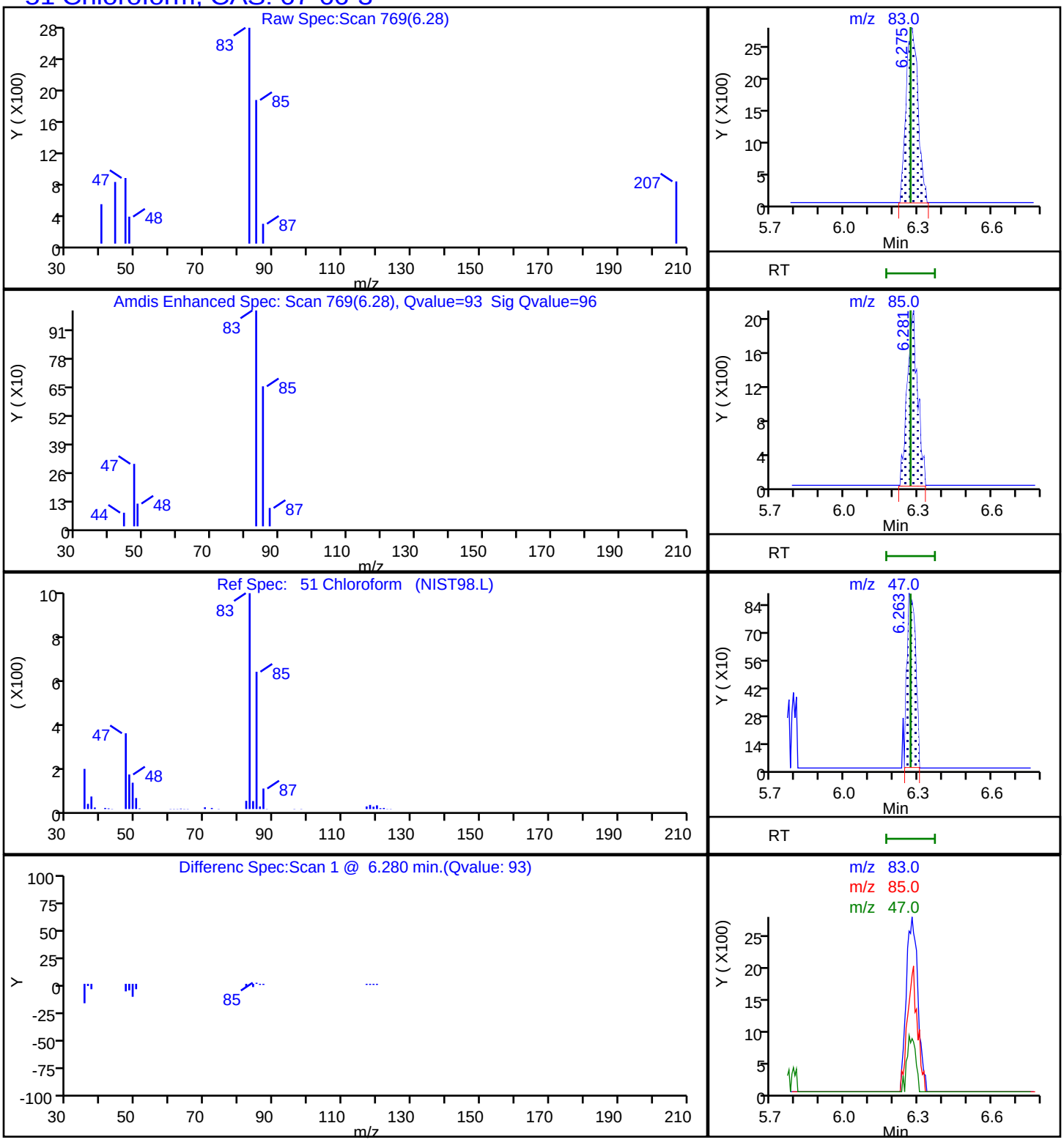
53 1,1,1-Trichloroethane, CAS: 71-55-6



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X13.D				
Injection Date:	23-Oct-2024 14:02:30	Instrument ID:	16334		
Lims ID:	410-193020-A-5	Lab Sample ID:	410-193020-5		
Client ID:	HD-COD-SW-13-0/1-0				
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 (0.25 mm)	Detector	MS Quad		

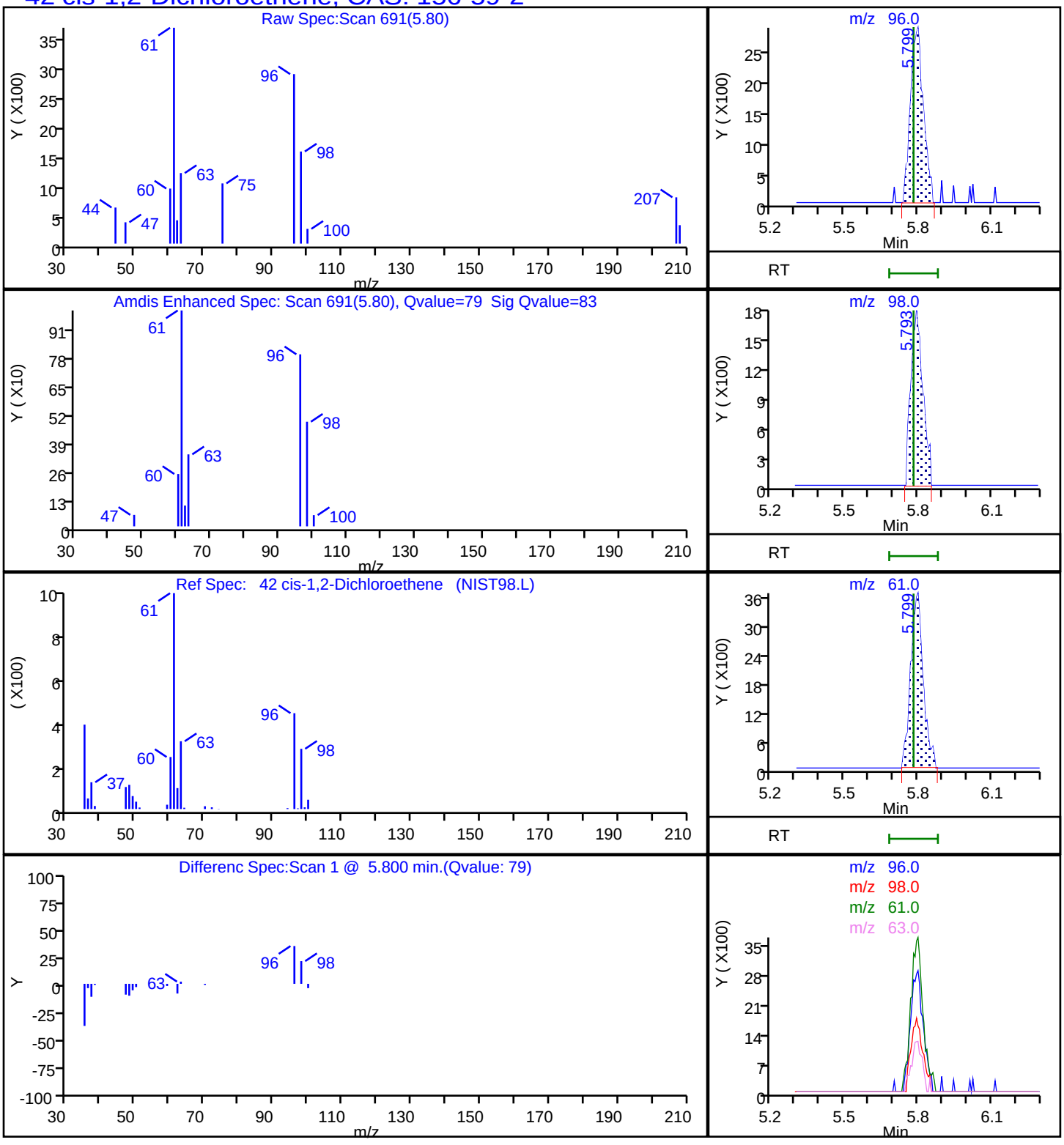
51 Chloroform, CAS: 67-66-3



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X13.D				
Injection Date:	23-Oct-2024 14:02:30	Instrument ID:	16334		
Lims ID:	410-193020-A-5	Lab Sample ID:	410-193020-5		
Client ID:	HD-COD-SW-13-0/1-0				
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 (0.25 mm)	Detector	MS Quad		

42 cis-1,2-Dichloroethene, CAS: 156-59-2

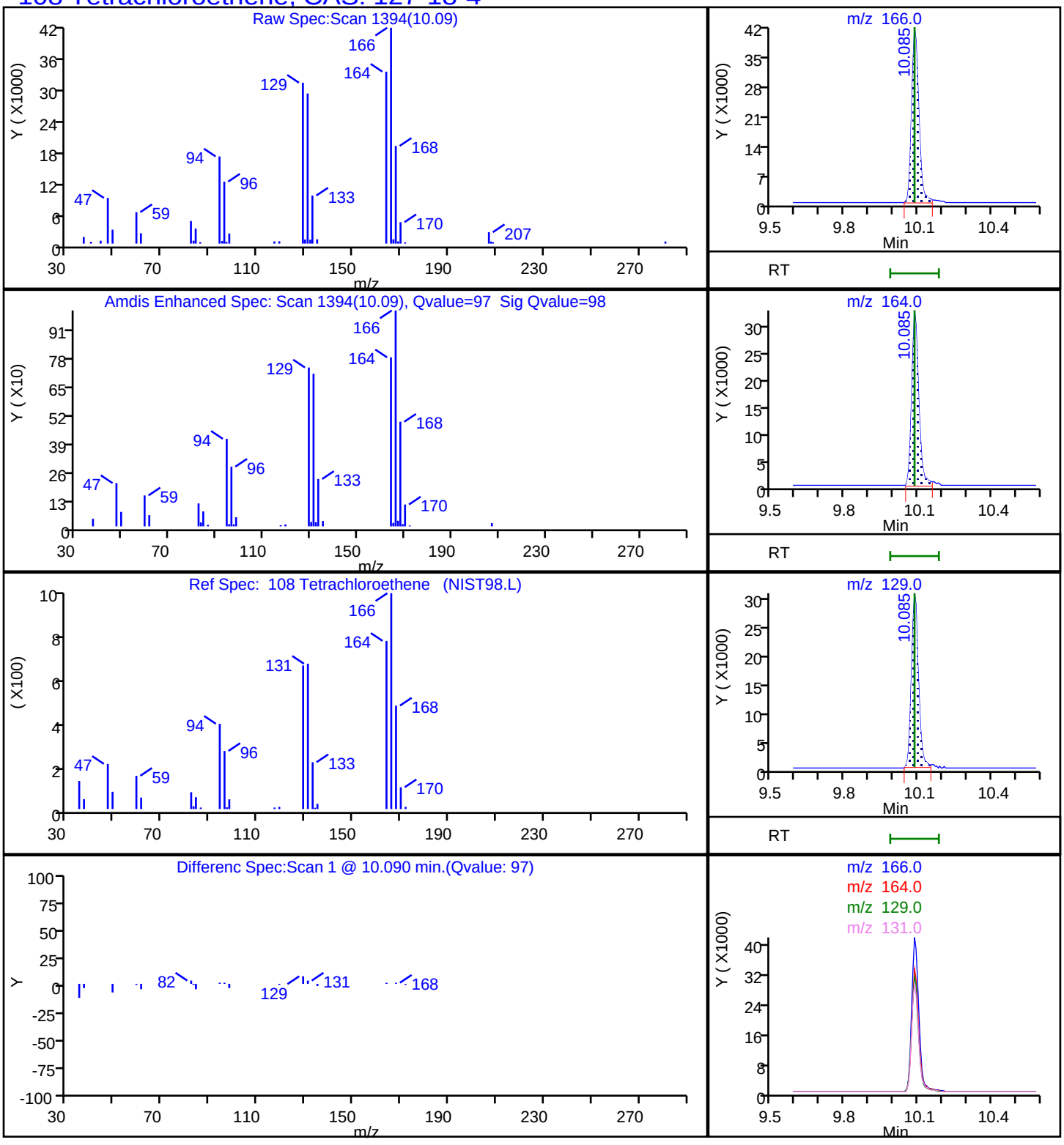


Report Date: 24-Oct-2024 08:29:05 Chrom Revision: 2.3 17-Oct-2024 11:42:22

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X13.D				
Injection Date:	23-Oct-2024 14:02:30	Instrument ID:	16334		
Lims ID:	410-193020-A-5	Lab Sample ID:	410-193020-5		
Client ID:	HD-COD-SW-13-0/1-0				
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 (0.25 mm)	Detector	MS Quad		

108 Tetrachloroethene, CAS: 127-18-4

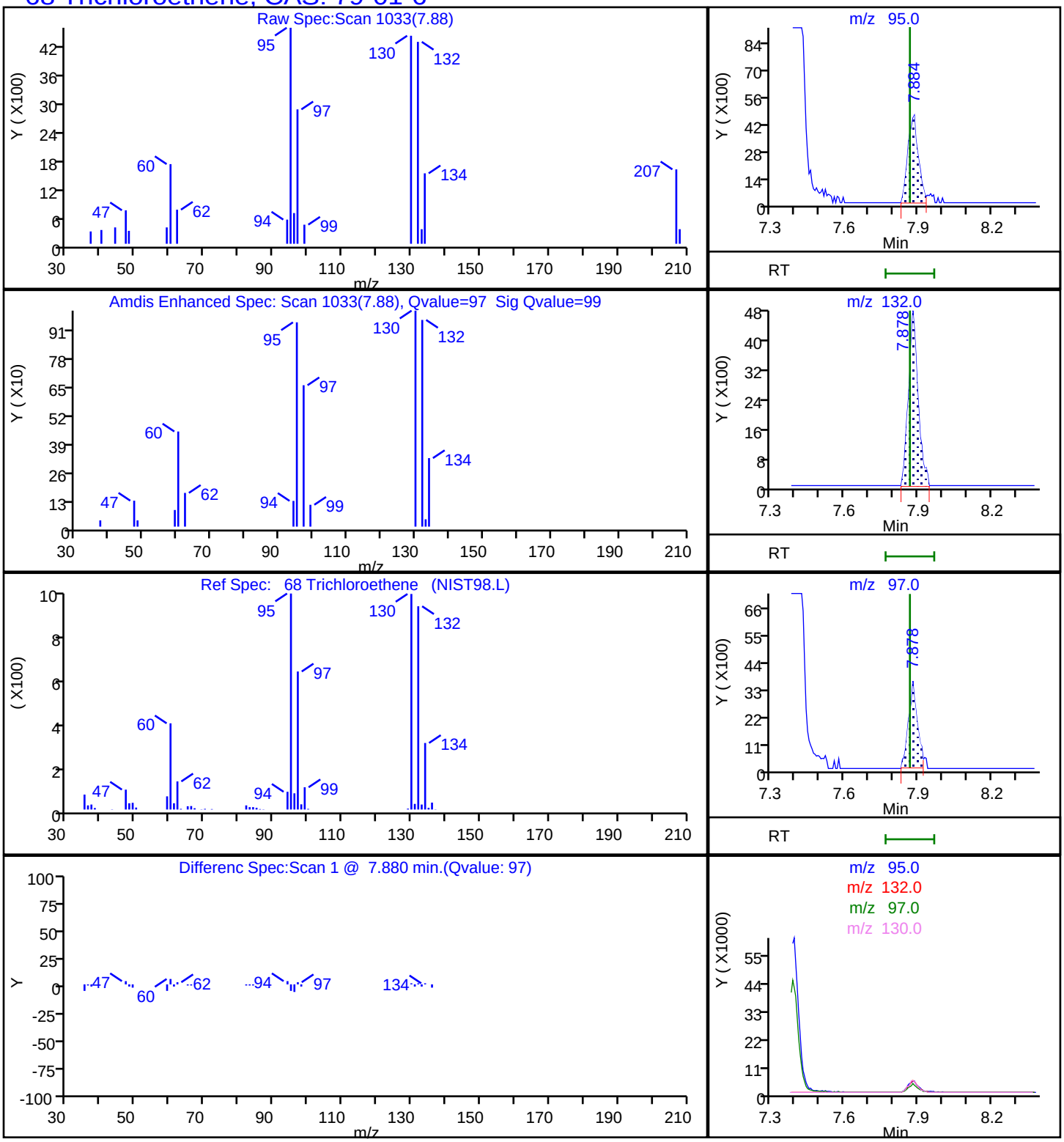


Report Date: 24-Oct-2024 08:29:05 Chrom Revision: 2.3 17-Oct-2024 11:42:22

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X13.D				
Injection Date:	23-Oct-2024 14:02:30	Instrument ID:	16334		
Lims ID:	410-193020-A-5	Lab Sample ID:	410-193020-5		
Client ID:	HD-COD-SW-13-0/1-0				
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 (0.25 mm)	Detector	MS Quad		

68 Trichloroethene, CAS: 79-01-6



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

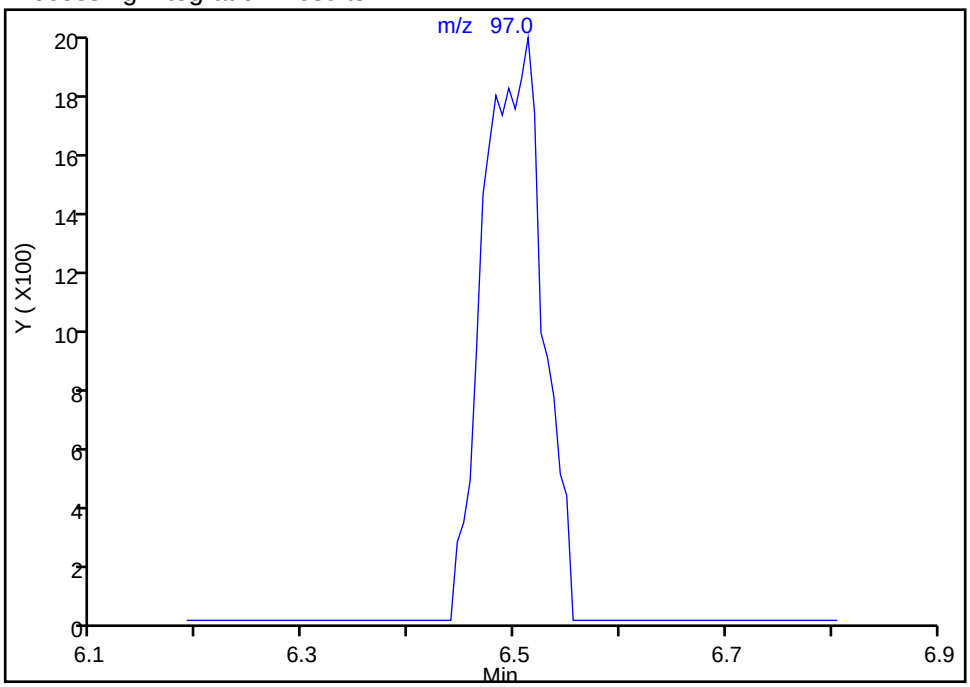
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Injection Date:	23-Oct-2024 14:02:30	Instrument ID:	16334		
Lims ID:	410-193020-A-5	Lab Sample ID:	410-193020-5		
Client ID:	HD-COD-SW-13-0/1-0				
Operator ID:	ecr105096	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

53 1,1,1-Trichloroethane, CAS: 71-55-6

Signal: 1

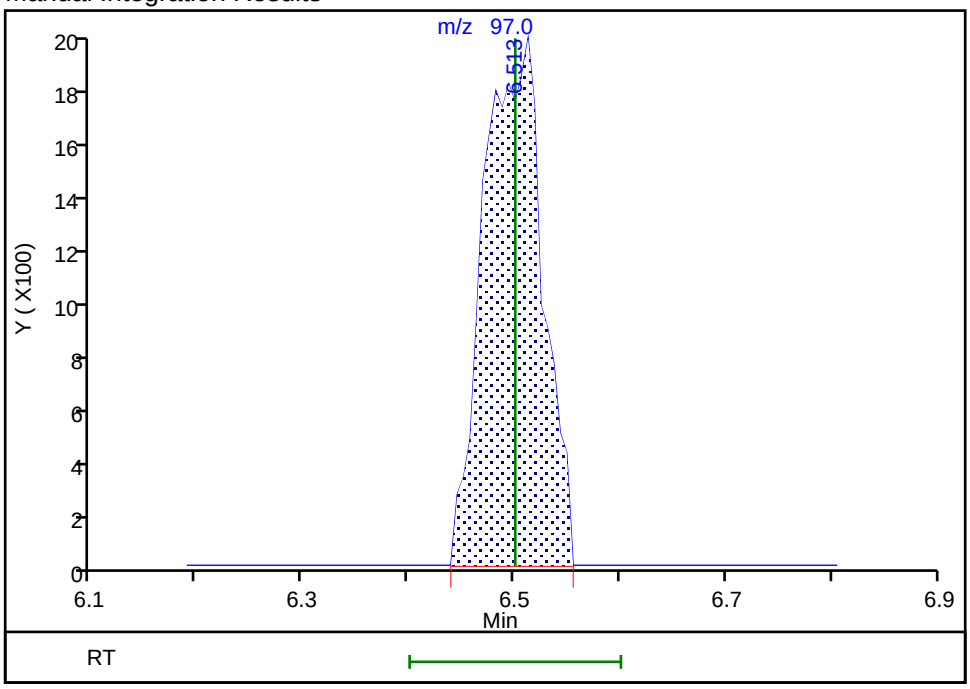
Not Detected
Expected RT: 6.50

Processing Integration Results



Manual Integration Results

RT: 6.51
Area: 7504
Amount: 0.122178
Amount Units: ug/l



Reviewer: FQ4L, 24-Oct-2024 08:28:48 07:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

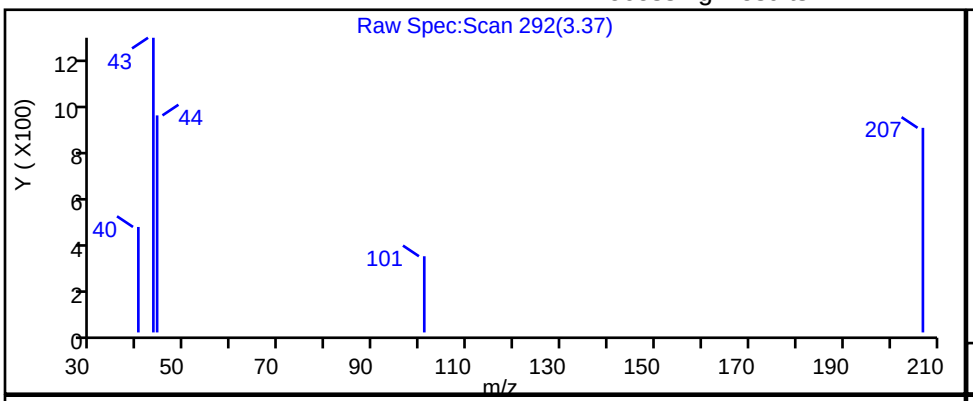
User Disabled Compound Report

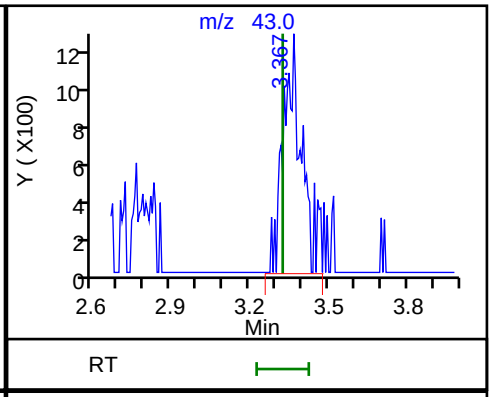
Eurofins Lancaster Laboratories Environment Testing, LLC

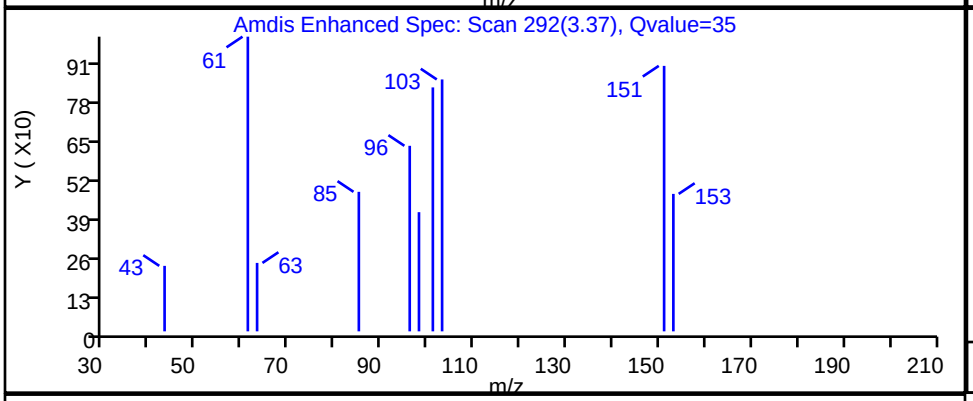
Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X13.D				
Injection Date:	23-Oct-2024 14:02:30	Instrument ID:	16334		
Lims ID:	410-193020-A-5	Lab Sample ID:	410-193020-5		
Client ID:	HD-COD-SW-13-0/1-0				
Operator ID:	ecr105096	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

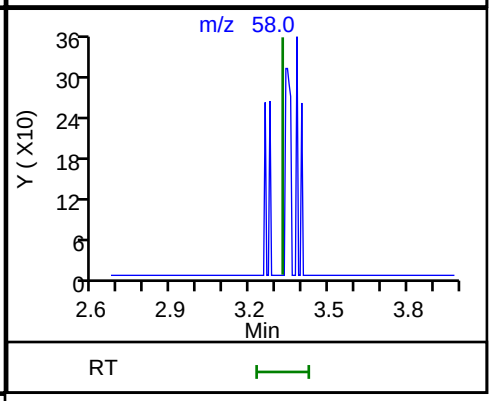
19 Acetone, CAS: 67-64-1

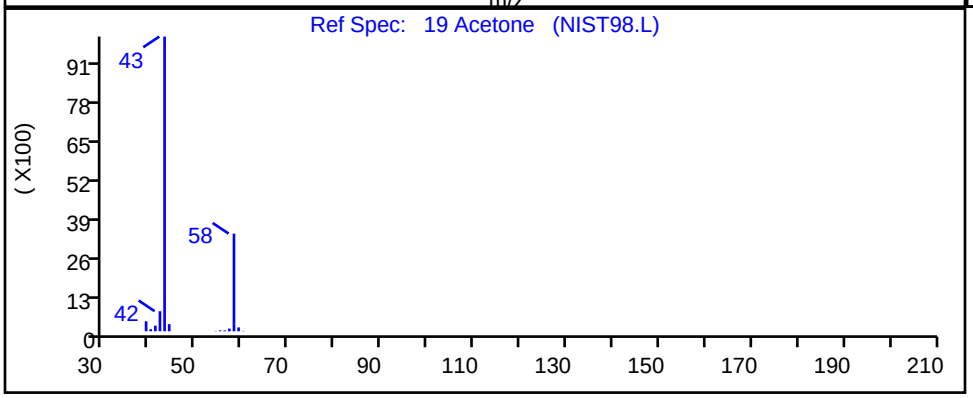
Processing Results











RT	Mass	Response	Amount
3.37	43.00	5978	1.606957
3.32	58.00	0	

Reviewer: FQ4L, 24-Oct-2024 08:26:20 07:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

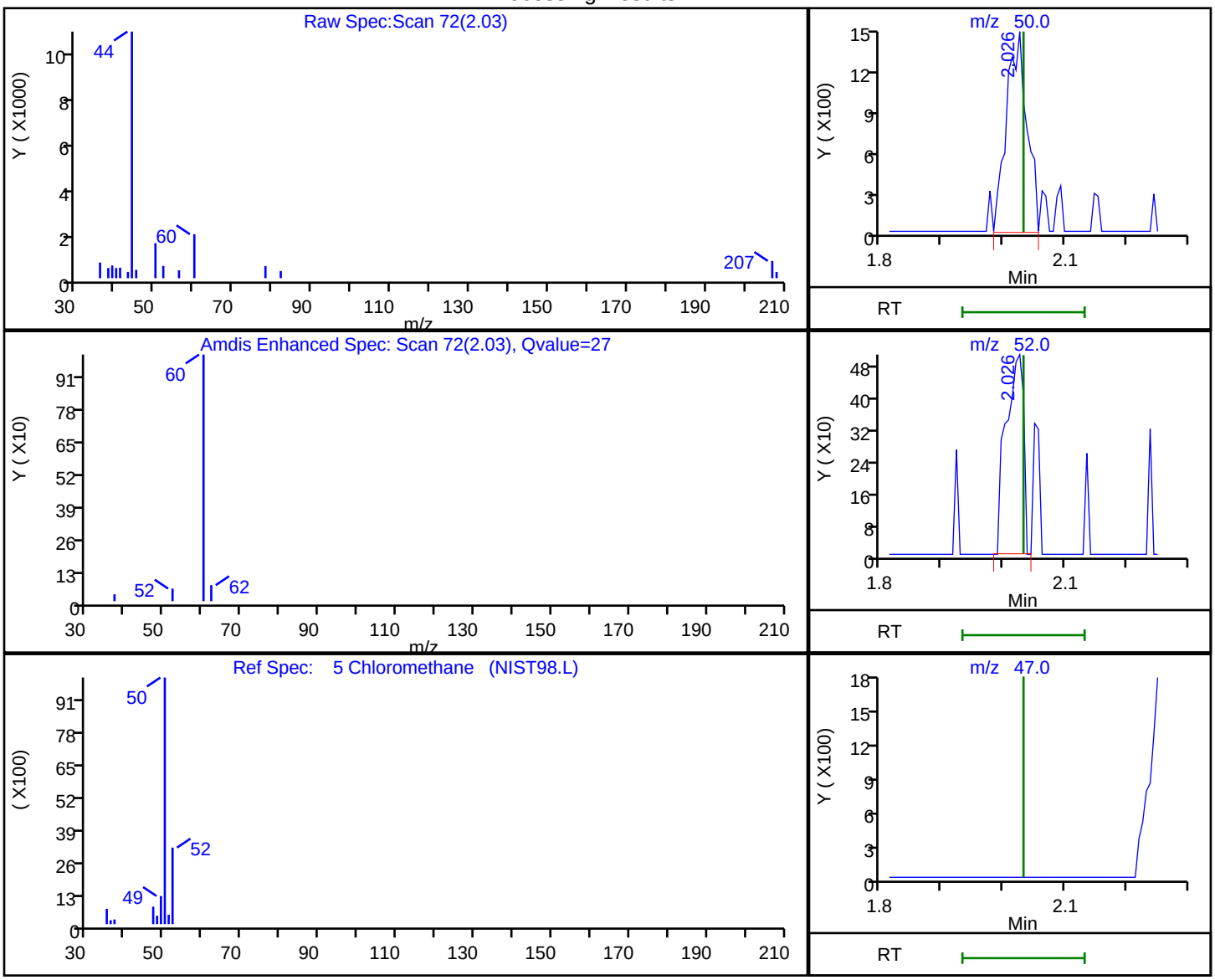
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X13.D				
Injection Date:	23-Oct-2024 14:02:30	Instrument ID:	16334		
Lims ID:	410-193020-A-5	Lab Sample ID:	410-193020-5		
Client ID:	HD-COD-SW-13-0/1-0				
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 (0.25 mm)	Detector	MS Quad		

5 Chloromethane, CAS: 74-87-3

Processing Results



RT	Mass	Response	Amount
2.03	50.00	3345	0.066408
2.03	52.00	1013	
2.03	47.00	0	

Reviewer: FQ4L, 24-Oct-2024 08:26:14 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.: 410-193020-1

SDG No.:

Client Sample ID: HD-COD-SW-15-0/1-0 Lab Sample ID: 410-193020-6

Matrix: Water Lab File ID: GC23X14.D

Analysis Method: 8260D Date Collected: 10/18/2024 11:10

Sample wt/vol: 25(mL) Date Analyzed: 10/23/2024 14:24

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL) Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 566703 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	0.21	J	0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.10
79-00-5	1,1,2-Trichloroethane	ND		0.50	0.080
75-34-3	1,1-Dichloroethane	ND		0.50	0.10
75-35-4	1,1-Dichloroethene	0.11	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	0.18	J	0.50	0.090
74-87-3	Chloromethane	ND		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	0.76		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	4.1		0.50	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Client Sample ID: HD-COD-SW-15-0/1-0 Lab Sample ID: 410-193020-6

Matrix: Water Lab File ID: GC23X14.D

Analysis Method: 8260D Date Collected: 10/18/2024 11:10

Sample wt/vol: 25(mL) Date Analyzed: 10/23/2024 14:24

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL) Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 566703 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	0.85		0.50	0.080
75-01-4	Vinyl chloride	ND		0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		80-120
460-00-4	4-Bromofluorobenzene (Surr)	99		80-120
1868-53-7	Dibromofluoromethane (Surr)	101		80-120
2037-26-5	Toluene-d8 (Surr)	104		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X14.D
Lims ID: 410-193020-A-6
Client ID: HD-COD-SW-15-0/1-0
Sample Type: Client
Inject. Date: 23-Oct-2024 14:24:30 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0128543-015
Operator ID: ecr105096 Instrument ID: 16334

Method: \\chromfs\Lancaster\ChromData\16334\20241023-128543.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 24-Oct-2024 08:29:45 Calib Date: 26-Aug-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\16334\20240826-123245.b\GG26X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1694

First Level Reviewer: FQ4L Date: 24-Oct-2024 08:29:45

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
	5 Chloromethane	50		2.032				ND	
	6 Vinyl chloride	62		2.136				ND	
	9 Bromomethane	94		2.453				ND	
	10 Chloroethane	64		2.495				ND	
	18 1,1-Dichloroethene	96	3.288	3.288	0.000	95	4306	0.1149	
	19 Acetone	43		3.324				ND	
	24 Carbon disulfide	76		3.562				ND	7
	29 Methylene Chloride	84		3.897				ND	
*	30 t-Butyl alcohol-d10 (IS)	65	3.952	3.934	0.018	21	93844	50.0	
	33 Methyl tert-butyl ether	73	4.294	4.275	0.019	1	2237	0.0272	
	34 trans-1,2-Dichloroethene	96		4.275				ND	
	37 1,1-Dichloroethane	63	4.952	4.934	0.018	91	6442	0.0869	a
	41 2-Butanone (MEK)	43		5.769				ND	
	42 cis-1,2-Dichloroethene	96	5.793	5.781	0.012	80	36763	0.7604	
	49 Chlorobromomethane	128		6.110				ND	
	51 Chloroform	83	6.275	6.269	0.006	92	13530	0.1758	
$	52 Dibromofluoromethane (Surr)	113	6.488	6.482	0.006	93	523284	10.1	
	53 1,1,1-Trichloroethane	97	6.501	6.501	0.000	70	14160	0.2076	
	55 Carbon tetrachloride	117		6.708				ND	7
$	59 1,2-Dichloroethane-d4 (Surr)	102	6.946	6.940	0.006	66	94193	9.75	
	60 Benzene	78		6.976				ND	
	61 1,2-Dichloroethane	62		7.043				ND	
*	64 Fluorobenzene (IS)	96	7.385	7.385	-0.001	99	2169364	10.0	
	68 Trichloroethene	95	7.878	7.866	0.012	98	40430	0.8465	
	70 1,2-Dichloropropane	63		8.195				ND	
	76 Dichlorobromomethane	83		8.549				ND	
	81 cis-1,3-Dichloropropene	75		9.110				ND	
	82 4-Methyl-2-pentanone (MIBK)	43		9.305				ND	
$	83 Toluene-d8 (Surr)	98	9.433	9.433	0.000	94	2145068	10.4	
	84 Toluene	92		9.512				ND	7
	85 trans-1,3-Dichloropropene	75		9.787				ND	
	107 1,1,2-Trichloroethane	97		9.994				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
108 Tetrachloroethene	166	10.085	10.085	0.000	96	222349	4.15	
110 2-Hexanone	43		10.232				ND	
112 Chlorodibromomethane	129		10.378				ND	
113 Ethylene Dibromide	107		10.488				ND	
* 114 Chlorobenzene-d5 (IS)	117	10.933	10.933	0.000	86	1571460	10.0	
116 Chlorobenzene	112		10.957				ND	
117 1,1,1,2-Tetrachloroethane	131		11.042				ND	
118 Ethylbenzene	91		11.049				ND	
120 m-Xylene & p-Xylene	106		11.164				ND	
S 119 Xylenes, Total	106		11.245				ND	7
121 o-Xylene	106		11.500				ND	
122 Styrene	104		11.518				ND	
123 Bromoform	173		11.670				ND	
$ 127 4-Bromofluorobenzene (Surr)	95	11.945	11.945	0.000	89	717549	9.93	
128 1,1,2,2-Tetrachloroethane	83		12.048				ND	
* 142 1,4-Dichlorobenzene-d4	152	12.829	12.823	0.006	96	807947	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

a - User Assigned ID

Reagents:

MSV_HP25_ISSS_00101 Amount Added: 1.00 Units: uL Run Reagent

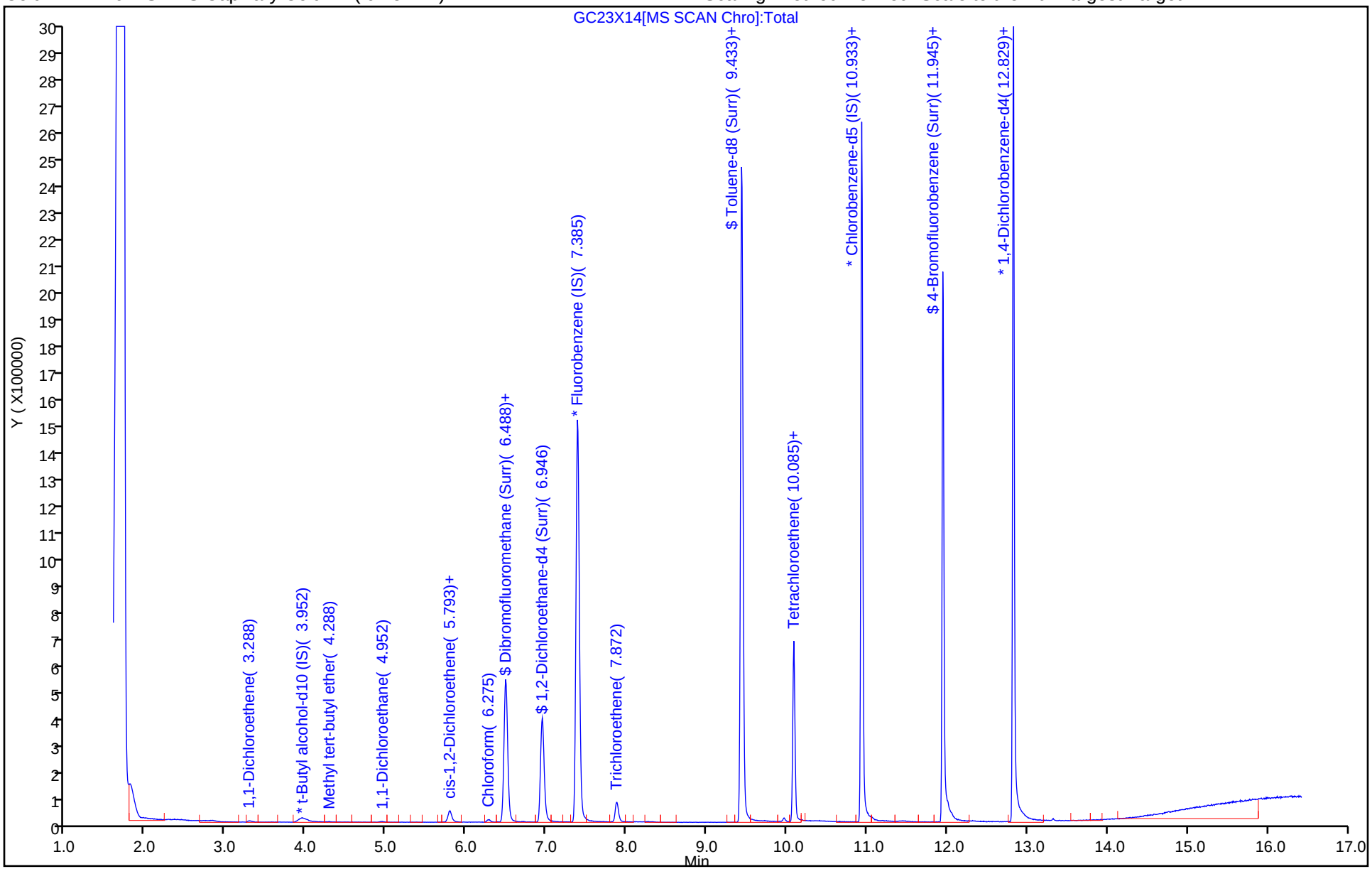
Report Date: 24-Oct-2024 08:29:46 Chrom Revision: 2.3 17-Oct-2024 11:42:22

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X14.D

Injection Date:	23-Oct-2024 14:24:30	Instrument ID:	16334	Operator ID:	ecr105096
Lims ID:	410-193020-A-6	Lab Sample ID:	410-193020-6	Worklist Smp#:	15
Client ID:	HD-COD-SW-15-0/1-0				
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\20241023-128543.b\GC23X14.D				
Lims ID:	410-193020-A-6				
Client ID:	HD-COD-SW-15-0/1-0				
Sample Type:	Client				
Inject. Date:	23-Oct-2024 14:24:30	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0128543-015				
Operator ID:	ecr105096	Instrument ID:	16334		
Method:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\MSV_16334_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	24-Oct-2024 08:29:45	Calib Date:	26-Aug-2024 17:02:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\16334\20240826-123245.b\GG26X08.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1694				

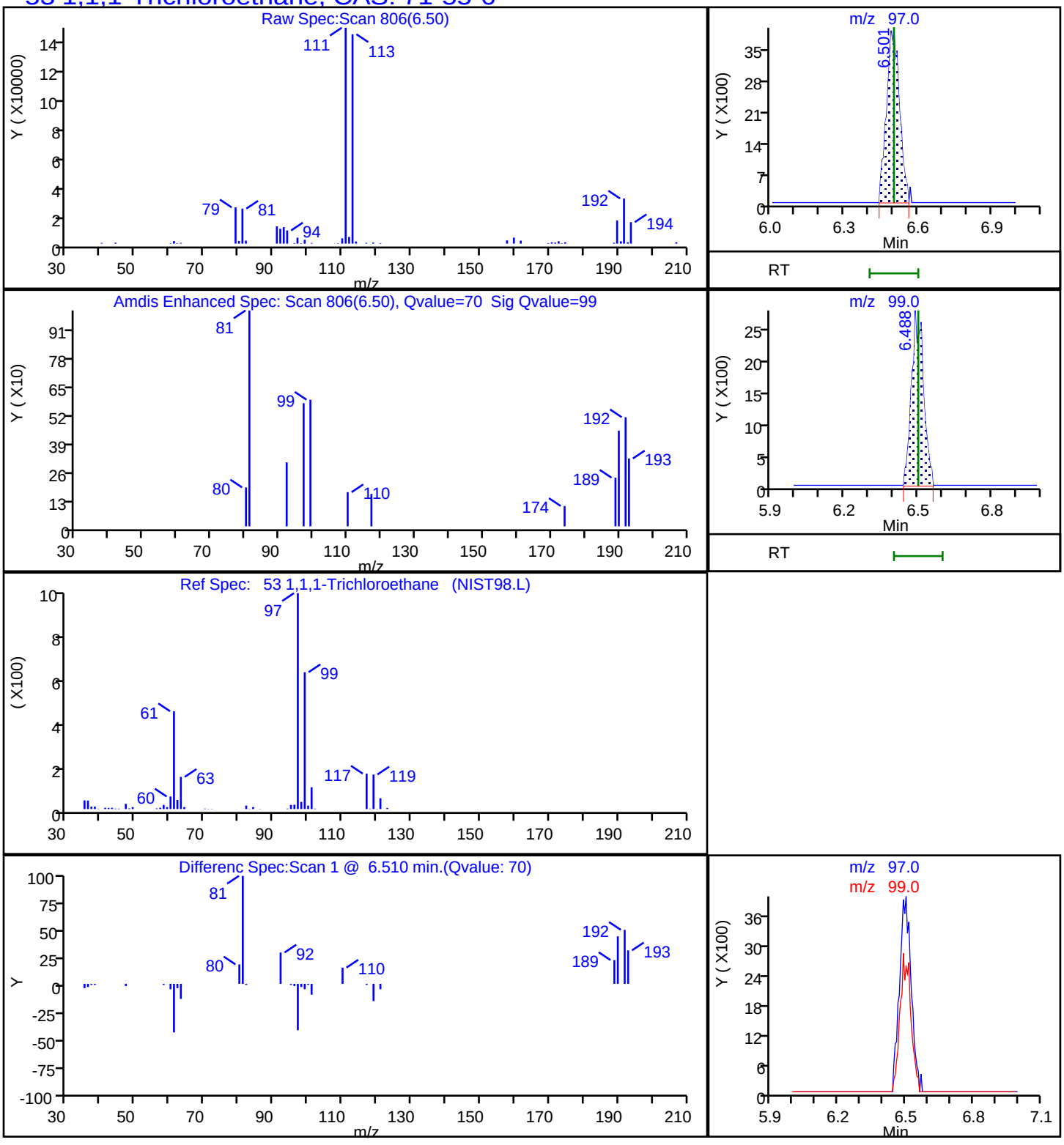
First Level Reviewer: FQ4L Date: 24-Oct-2024 08:29:45

Compound	Amount Added	Amount Recovered	% Rec.
$ 52 Dibromofluoromethane (Surr)	10.0	10.1	100.67
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	9.75	97.54
$ 83 Toluene-d8 (Surr)	10.0	10.4	104.30
$ 127 4-Bromofluorobenzene (Surr)	10.0	9.93	99.29

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X14.D				
Injection Date:	23-Oct-2024 14:24:30	Instrument ID:	16334		
Lims ID:	410-193020-A-6	Lab Sample ID:	410-193020-6		
Client ID:	HD-COD-SW-15-0/1-0				
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)	Detector	MS Quad		

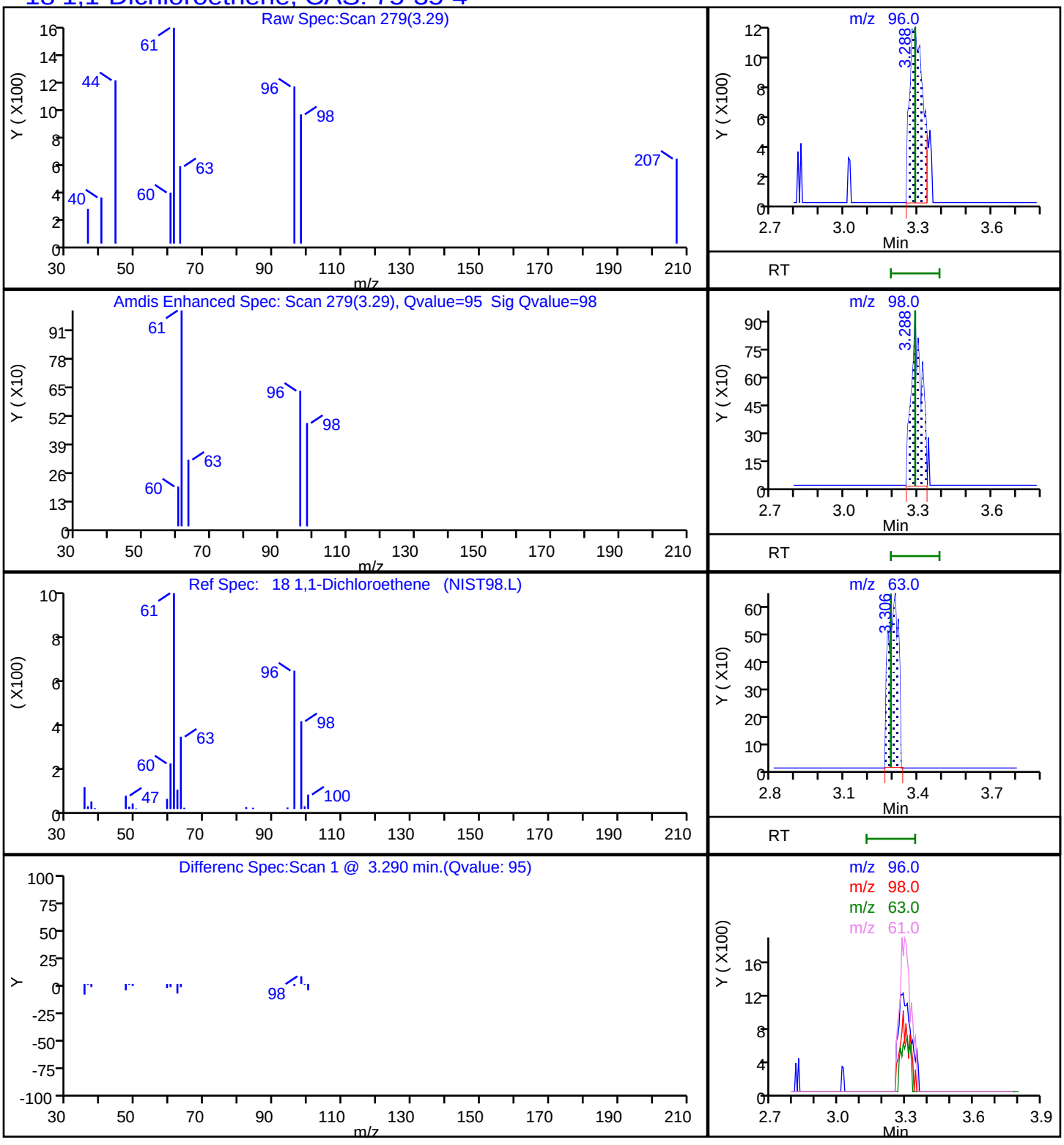
53 1,1,1-Trichloroethane, CAS: 71-55-6



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X14.D				
Injection Date:	23-Oct-2024 14:24:30	Instrument ID:	16334		
Lims ID:	410-193020-A-6	Lab Sample ID:	410-193020-6		
Client ID:	HD-COD-SW-15-0/1-0				
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 (0.25 mm)	Detector	MS Quad		

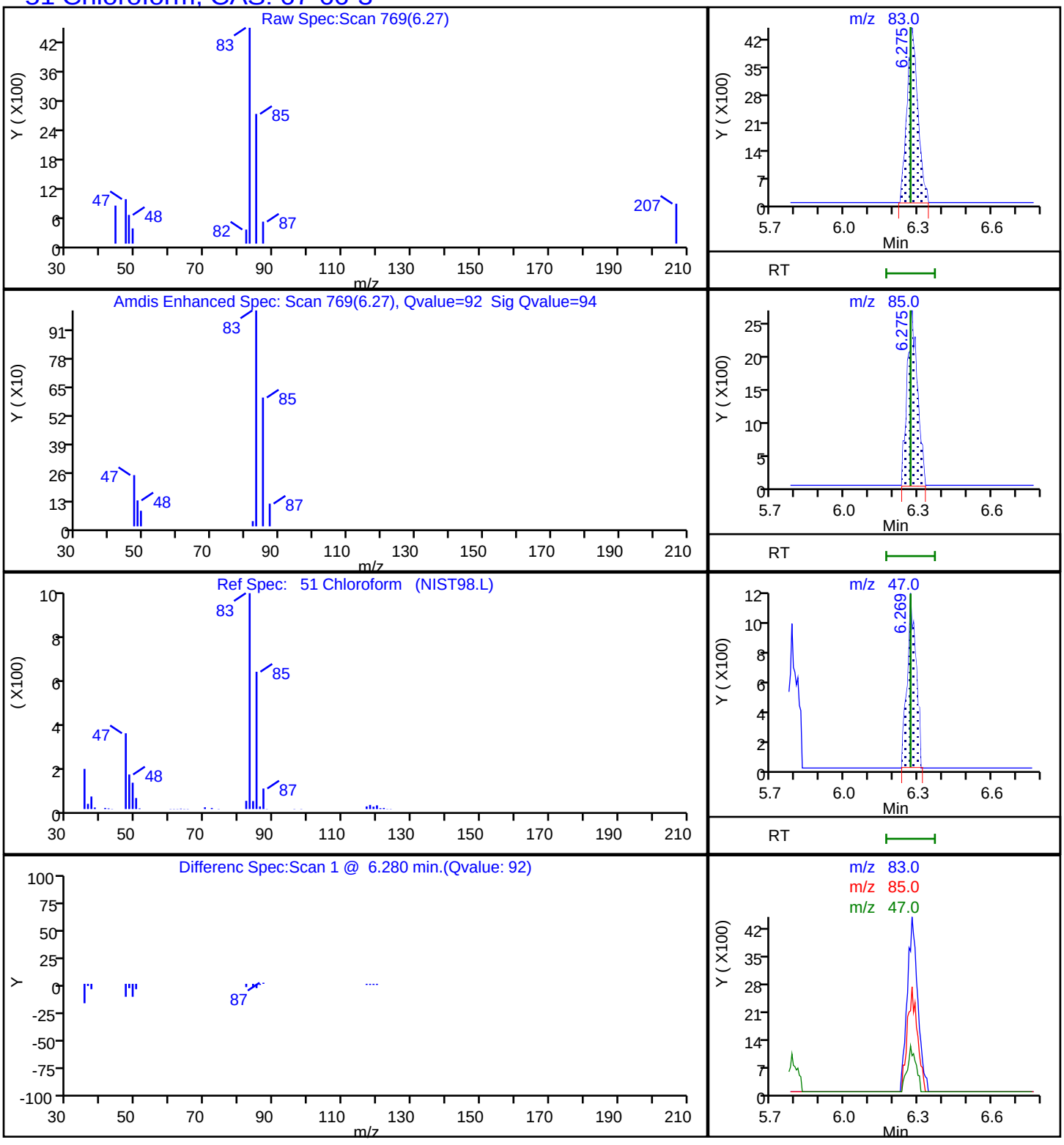
18 1,1-Dichloroethene, CAS: 75-35-4



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X14.D				
Injection Date:	23-Oct-2024 14:24:30	Instrument ID:	16334		
Lims ID:	410-193020-A-6	Lab Sample ID:	410-193020-6		
Client ID:	HD-COD-SW-15-0/1-0				
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 (0.25 mm)	Detector	MS Quad		

51 Chloroform, CAS: 67-66-3

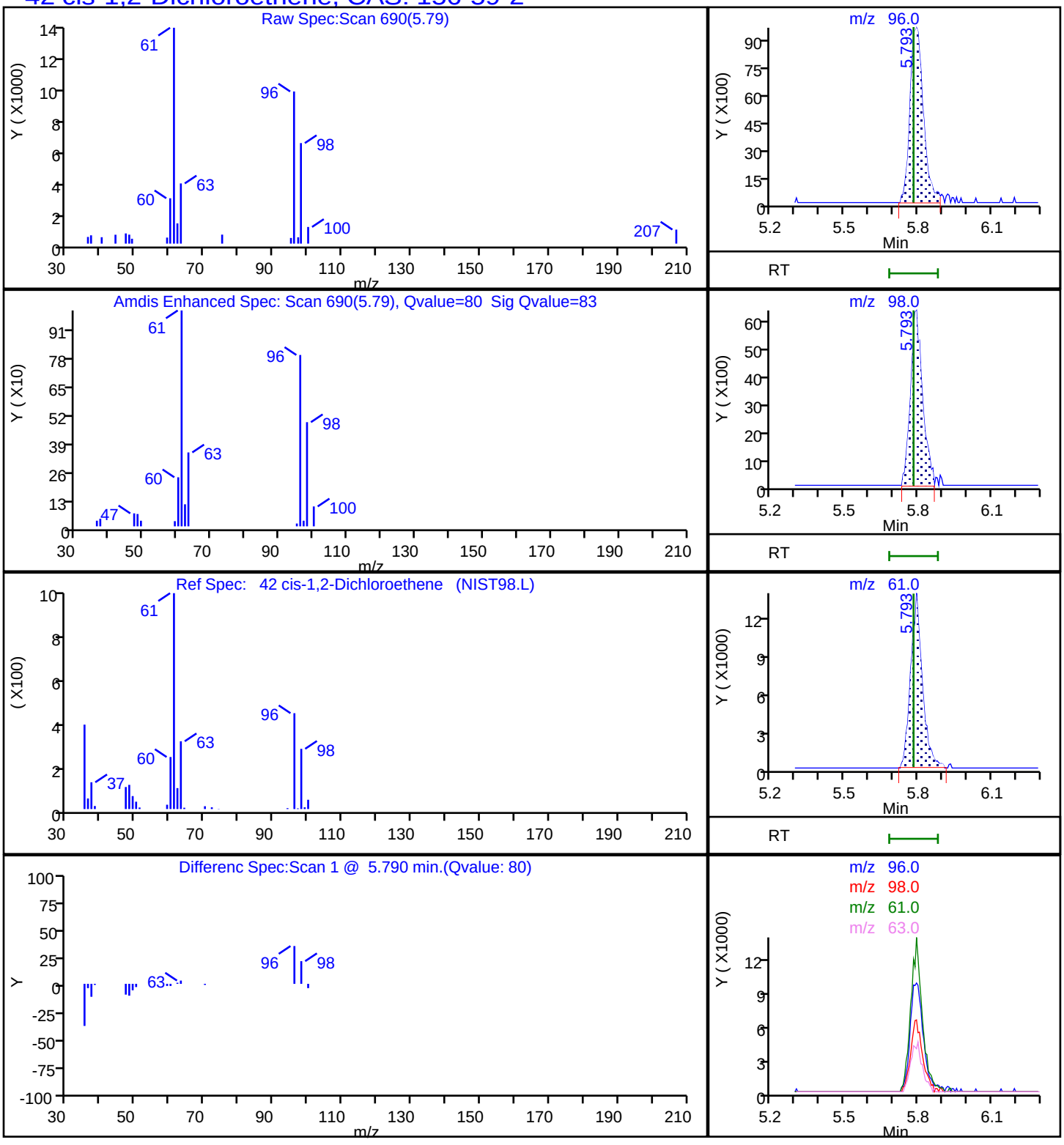


Report Date: 24-Oct-2024 08:29:46 Chrom Revision: 2.3 17-Oct-2024 11:42:22

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X14.D				
Injection Date:	23-Oct-2024 14:24:30	Instrument ID:	16334		
Lims ID:	410-193020-A-6	Lab Sample ID:	410-193020-6		
Client ID:	HD-COD-SW-15-0/1-0				
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 (0.25 mm)	Detector	MS Quad		

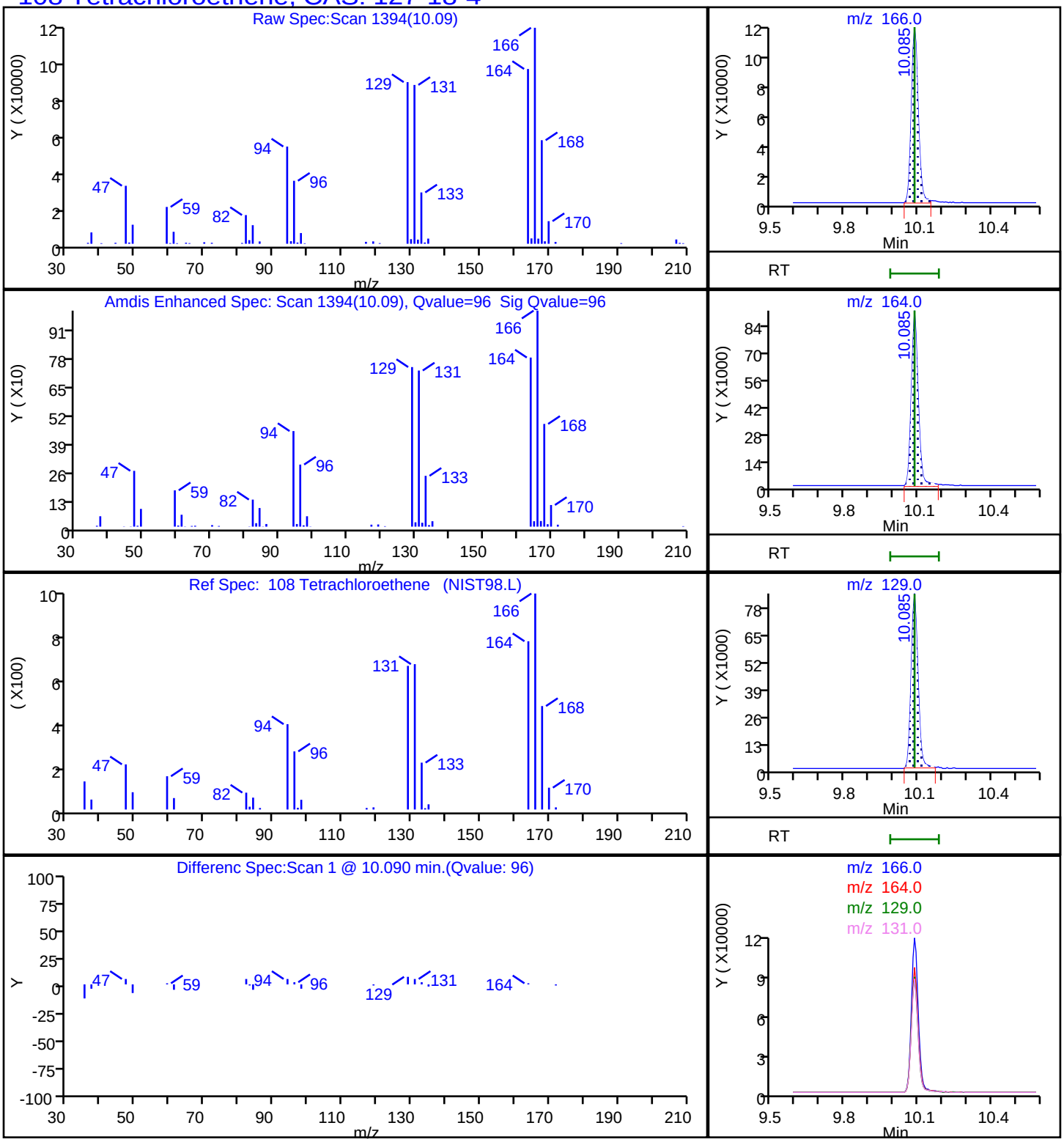
42 cis-1,2-Dichloroethene, CAS: 156-59-2



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X14.D				
Injection Date:	23-Oct-2024 14:24:30	Instrument ID:	16334		
Lims ID:	410-193020-A-6	Lab Sample ID:	410-193020-6		
Client ID:	HD-COD-SW-15-0/1-0				
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 (0.25 mm)	Detector	MS Quad		

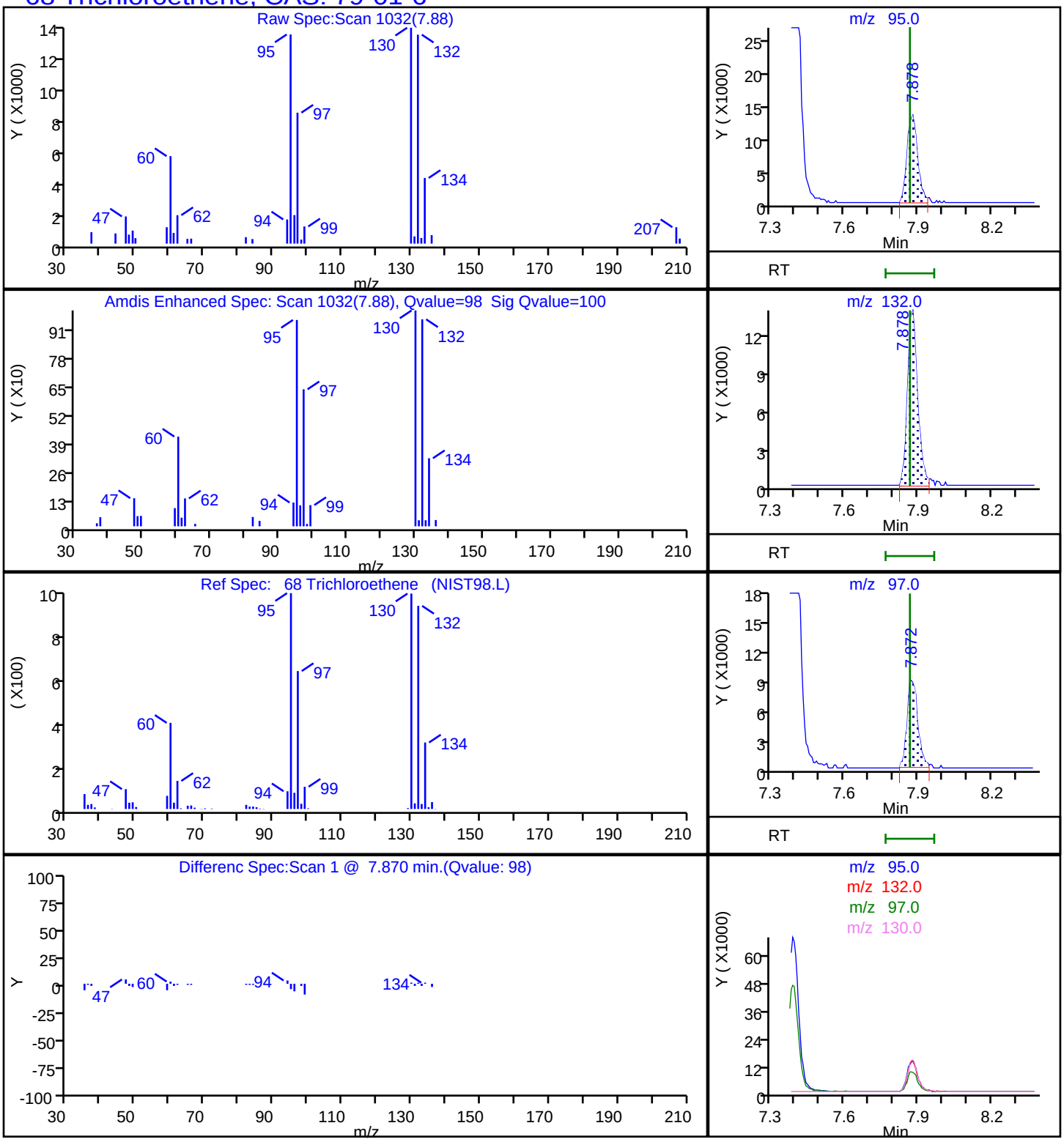
108 Tetrachloroethene, CAS: 127-18-4



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X14.D				
Injection Date:	23-Oct-2024 14:24:30	Instrument ID:	16334		
Lims ID:	410-193020-A-6	Lab Sample ID:	410-193020-6		
Client ID:	HD-COD-SW-15-0/1-0				
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 (0.25 mm)	Detector	MS Quad		

68 Trichloroethene, CAS: 79-01-6



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

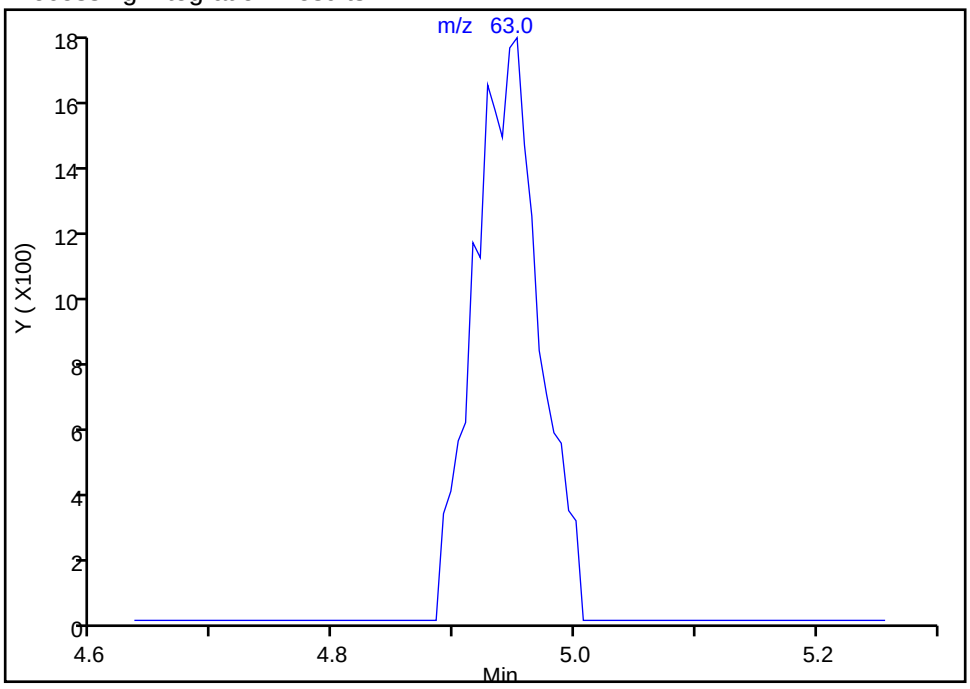
Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X14.D				
Injection Date:	23-Oct-2024 14:24:30	Instrument ID:	16334		
Lims ID:	410-193020-A-6	Lab Sample ID:	410-193020-6		
Client ID:	HD-COD-SW-15-0/1-0				
Operator ID:	ecr105096	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

37 1,1-Dichloroethane, CAS: 75-34-3

Signal: 1

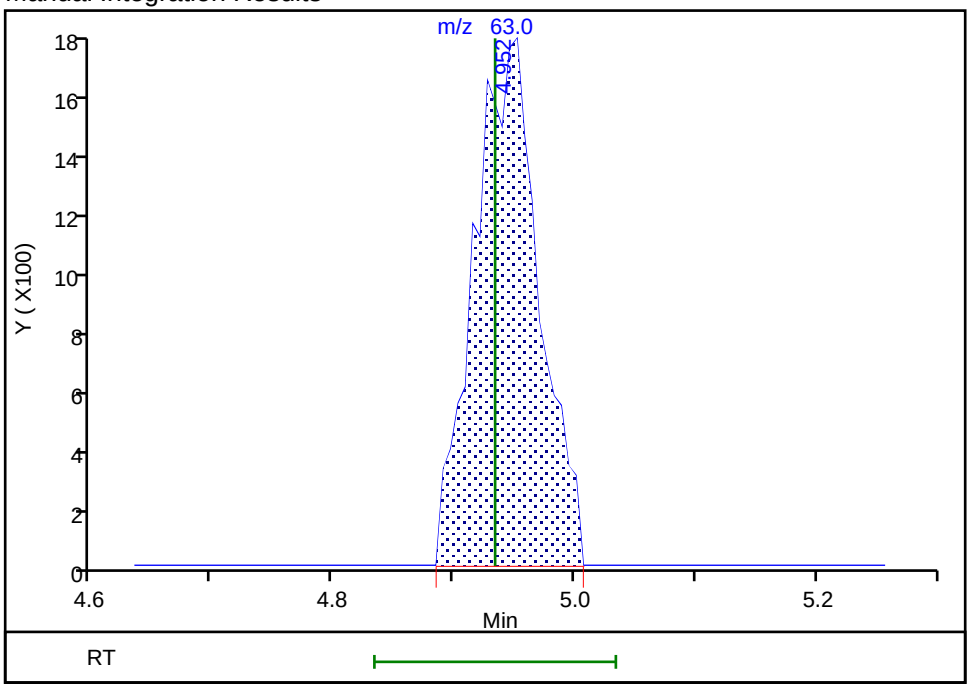
Not Detected
Expected RT: 4.93

Processing Integration Results



Manual Integration Results

RT: 4.95
Area: 6442
Amount: 0.086856
Amount Units: ug/l



Reviewer: FQ4L, 24-Oct-2024 08:29:24 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.: 410-193020-1

SDG No.:

Client Sample ID: HD-COD-SW-16-0/1-0 Lab Sample ID: 410-193020-7

Matrix: Water Lab File ID: GC23X17.D

Analysis Method: 8260D Date Collected: 10/18/2024 09:28

Sample wt/vol: 25(mL) Date Analyzed: 10/23/2024 15:30

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL) Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 566703 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	cn	0.50	0.070
71-55-6	1,1,1-Trichloroethane	0.15	J cn	0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	ND	cn	0.50	0.10
79-00-5	1,1,2-Trichloroethane	ND	cn	0.50	0.080
75-34-3	1,1-Dichloroethane	ND	cn	0.50	0.10
75-35-4	1,1-Dichloroethene	ND	cn	0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	ND	cn	0.50	0.080
107-06-2	1,2-Dichloroethane	ND	cn	0.50	0.070
78-87-5	1,2-Dichloropropane	ND	cn	0.50	0.10
78-93-3	2-Butanone (MEK)	ND	*3 cn	5.0	1.0
591-78-6	2-Hexanone	ND	*3 cn	5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	*3 cn	5.0	1.0
67-64-1	Acetone	ND	*3 cn	5.0	1.5
71-43-2	Benzene	0.11	J cn	0.50	0.10
74-97-5	Bromochloromethane	ND	cn	0.50	0.080
75-27-4	Bromodichloromethane	ND	cn	0.50	0.080
75-25-2	Bromoform	ND	cn	1.0	0.30
74-83-9	Bromomethane	ND	cn	0.50	0.10
75-15-0	Carbon disulfide	0.12	J cn	1.0	0.10
56-23-5	Carbon tetrachloride	ND	cn	0.50	0.10
108-90-7	Chlorobenzene	ND	cn	0.50	0.070
75-00-3	Chloroethane	ND	cn	0.50	0.10
67-66-3	Chloroform	0.13	J cn	0.50	0.090
74-87-3	Chloromethane	0.16	J cn	0.50	0.10
156-59-2	cis-1,2-Dichloroethene	0.25	J cn	0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND	cn	0.50	0.10
124-48-1	Dibromochloromethane	ND	cn	0.50	0.080
100-41-4	Ethylbenzene	ND	cn	0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND	cn	0.50	0.080
75-09-2	Methylene Chloride	ND	cn	0.50	0.20
100-42-5	Styrene	ND	cn	0.50	0.070
127-18-4	Tetrachloroethene	2.1	cn	0.50	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Client Sample ID: HD-COD-SW-16-0/1-0 Lab Sample ID: 410-193020-7

Matrix: Water Lab File ID: GC23X17.D

Analysis Method: 8260D Date Collected: 10/18/2024 09:28

Sample wt/vol: 25(mL) Date Analyzed: 10/23/2024 15:30

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL) Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 566703 Units: ug/L

Preparation Batch No.: Instrument ID: 16334

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND	cn	0.50	0.080
156-60-5	trans-1,2-Dichloroethene	ND	cn	0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	ND	cn	0.50	0.080
79-01-6	Trichloroethene	0.31	J cn	0.50	0.080
75-01-4	Vinyl chloride	ND	cn	0.50	0.10
1330-20-7	Xylenes, Total	ND	cn	1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92	cn	80-120
460-00-4	4-Bromofluorobenzene (Surr)	98	cn	80-120
1868-53-7	Dibromofluoromethane (Surr)	101	cn	80-120
2037-26-5	Toluene-d8 (Surr)	104	cn	80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X17.D
Lims ID: 410-193020-A-7
Client ID: HD-COD-SW-16-0/1-0
Sample Type: Client
Inject. Date: 23-Oct-2024 15:30:30 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0128543-018
Operator ID: ecr105096 Instrument ID: 16334

Method: \\chromfs\Lancaster\ChromData\16334\20241023-128543.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 24-Oct-2024 08:31:41 Calib Date: 26-Aug-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\16334\20240826-123245.b\GG26X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1694

First Level Reviewer: FQ4L Date: 24-Oct-2024 08:31:41

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50	2.026	2.032	-0.006	98	8467	0.1560	
6 Vinyl chloride	62		2.136				ND	7
9 Bromomethane	94		2.453				ND	7
10 Chloroethane	64		2.495				ND	U
18 1,1-Dichloroethene	96		3.288				ND	U
19 Acetone	43		3.324				ND	U
24 Carbon disulfide	76	3.568	3.562	0.006	98	14835	0.1203	M
29 Methylene Chloride	84		3.897				ND	
* 30 t-Butyl alcohol-d10 (IS)	65	4.001	3.934	0.067	1	31100	50.0	s
33 Methyl tert-butyl ether	73		4.275				ND	
34 trans-1,2-Dichloroethene	96		4.275				ND	
37 1,1-Dichloroethane	63		4.934				ND	
41 2-Butanone (MEK)	43		5.769				ND	
42 cis-1,2-Dichloroethene	96	5.793	5.781	0.012	76	11602	0.2474	
49 Chlorobromomethane	128		6.110				ND	
51 Chloroform	83	6.269	6.269	0.000	92	9532	0.1277	a
$ 52 Dibromofluoromethane (Surr)	113	6.488	6.482	0.006	93	506905	10.1	
53 1,1,1-Trichloroethane	97	6.494	6.501	-0.007	36	10095	0.1526	
55 Carbon tetrachloride	117		6.708				ND	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.939	6.940	-0.001	69	86113	9.19	
60 Benzene	78	6.976	6.976	0.000	92	18739	0.1106	
61 1,2-Dichloroethane	62		7.043				ND	
* 64 Fluorobenzene (IS)	96	7.384	7.385	-0.001	99	2104299	10.0	
68 Trichloroethene	95	7.866	7.866	0.000	97	14282	0.3083	Ma
70 1,2-Dichloropropane	63		8.195				ND	
76 Dichlorobromomethane	83		8.549				ND	7
81 cis-1,3-Dichloropropene	75		9.110				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.305				ND	7
$ 83 Toluene-d8 (Surr)	98	9.433	9.433	0.000	94	2111572	10.4	
84 Toluene	92	9.512	9.512	0.000	98	4881	0.0443	
85 trans-1,3-Dichloropropene	75		9.787				ND	
107 1,1,2-Trichloroethane	97		9.994				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
108 Tetrachloroethene	166	10.085	10.085	0.000	95	112639	2.12	
110 2-Hexanone	43		10.232				ND	7
112 Chlorodibromomethane	129		10.378				ND	
113 Ethylene Dibromide	107		10.488				ND	
* 114 Chlorobenzene-d5 (IS)	117	10.933	10.933	0.000	85	1558681	10.0	
116 Chlorobenzene	112		10.957				ND	
117 1,1,1,2-Tetrachloroethane	131		11.042				ND	
118 Ethylbenzene	91		11.049				ND	7
120 m-Xylene & p-Xylene	106		11.164				ND	7
S 119 Xylenes, Total	106		11.245				ND	7
121 o-Xylene	106		11.500				ND	7
122 Styrene	104		11.518				ND	
123 Bromoform	173		11.670				ND	
$ 127 4-Bromofluorobenzene (Surr)	95	11.945	11.945	0.000	90	705216	9.84	
128 1,1,2,2-Tetrachloroethane	83		12.048				ND	
* 142 1,4-Dichlorobenzene-d4	152	12.829	12.823	0.005	95	817230	10.0	

QC Flag Legend

Processing Flags
- 7 - Failed Limit of Detection
- s - Failed ISTD Recovery Test

Review Flags
- M - Manually Integrated
- U - Marked Undetected
- a - User Assigned ID

Reagents:

MSV_HP25_ISSS_00101 Amount Added: 1.00 Units: uL Run Reagent

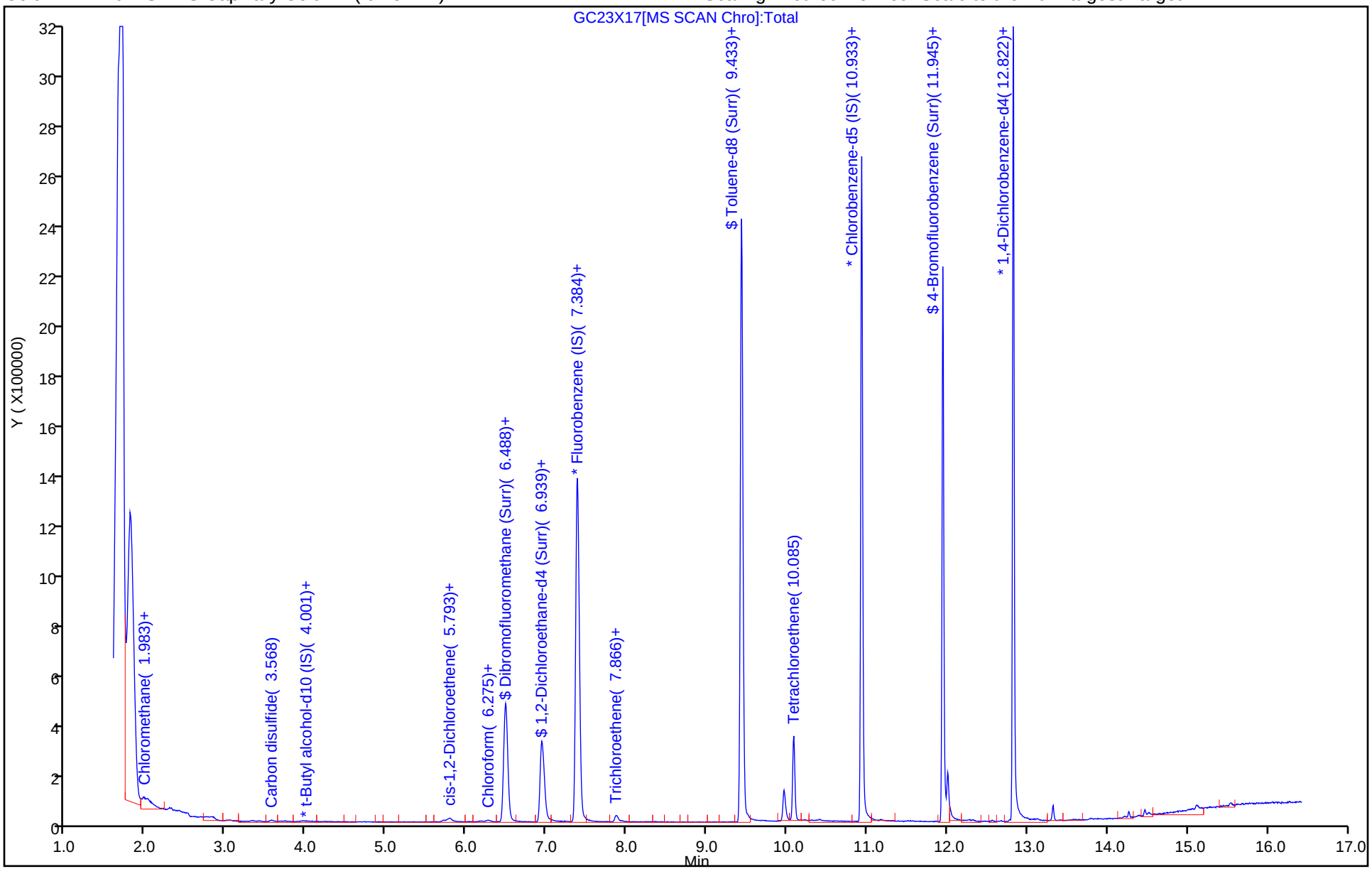
Report Date: 24-Oct-2024 08:31:41 Chrom Revision: 2.3 17-Oct-2024 11:42:22

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X17.D

Injection Date:	23-Oct-2024 15:30:30	Instrument ID:	16334	Operator ID:	ecr105096
Lims ID:	410-193020-A-7	Lab Sample ID:	410-193020-7	Worklist Smp#:	18
Client ID:	HD-COD-SW-16-0/1-0				
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



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Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X17.D				
Lims ID:	410-193020-A-7				
Client ID:	HD-COD-SW-16-0/1-0				
Sample Type:	Client				
Inject. Date:	23-Oct-2024 15:30:30	ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0128543-018				
Operator ID:	ecr105096	Instrument ID:	16334		
Method:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\MSV_16334_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	24-Oct-2024 08:31:41	Calib Date:	26-Aug-2024 17:02:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\16334\20240826-123245.b\GG26X08.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1694				

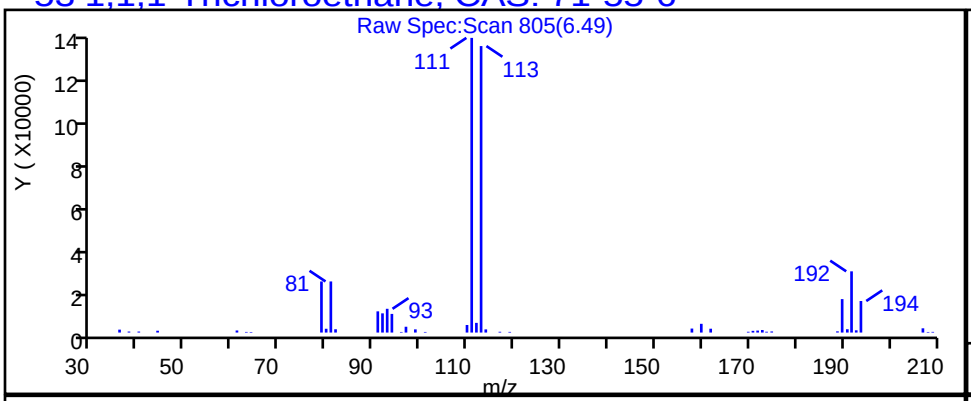
First Level Reviewer: FQ4L Date: 24-Oct-2024 08:31:41

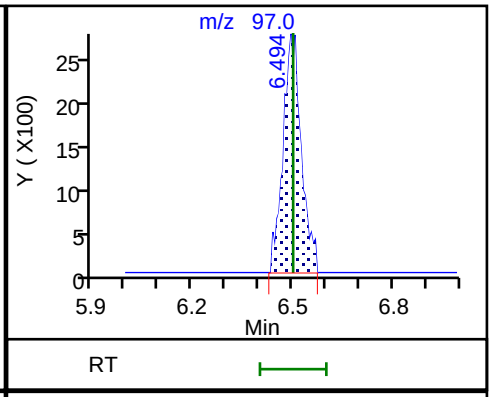
Compound	Amount Added	Amount Recovered	% Rec.
$ 52 Dibromofluoromethane (Surr)	10.0	10.1	100.54
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	9.19	91.93
$ 83 Toluene-d8 (Surr)	10.0	10.4	103.51
$ 127 4-Bromofluorobenzene (Surr)	10.0	9.84	98.39

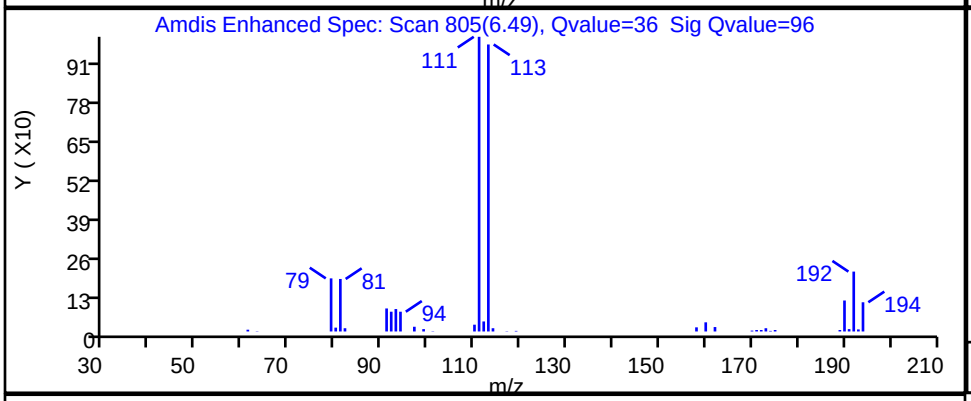
Eurofins Lancaster Laboratories Environment Testing, LLC

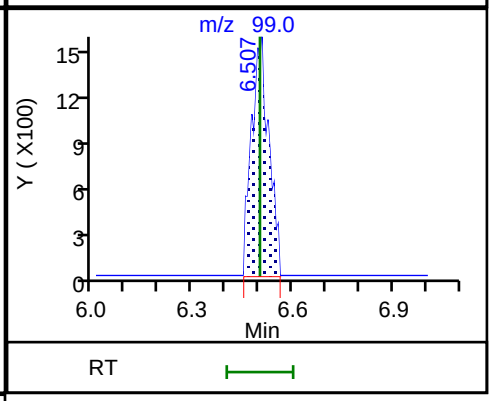
Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X17.D				
Injection Date:	23-Oct-2024 15:30:30	Instrument ID:	16334		
Lims ID:	410-193020-A-7	Lab Sample ID:	410-193020-7		
Client ID:	HD-COD-SW-16-0/1-0				
Operator ID:	ecr105096	ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

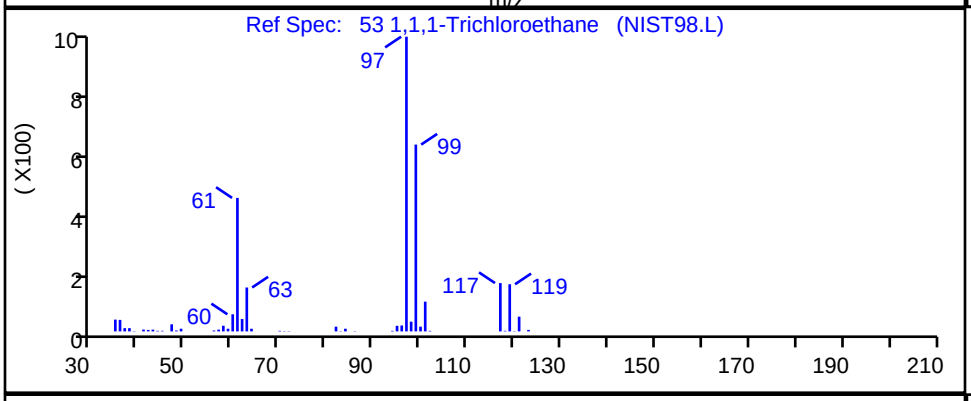
53 1,1,1-Trichloroethane, CAS: 71-55-6

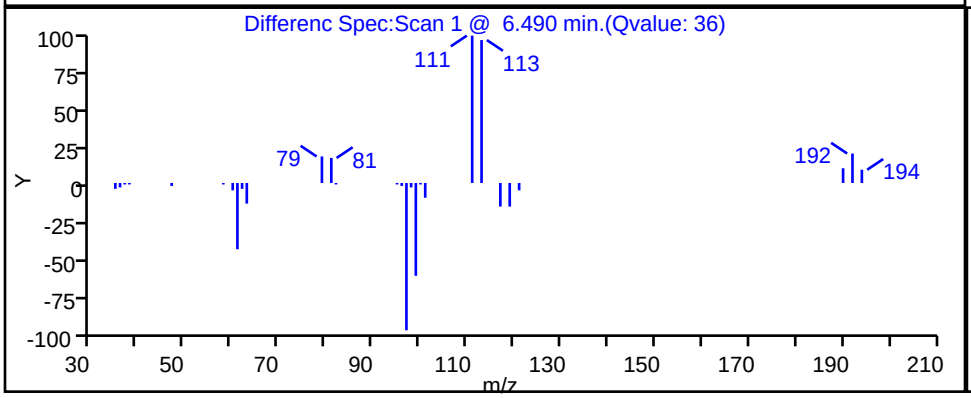


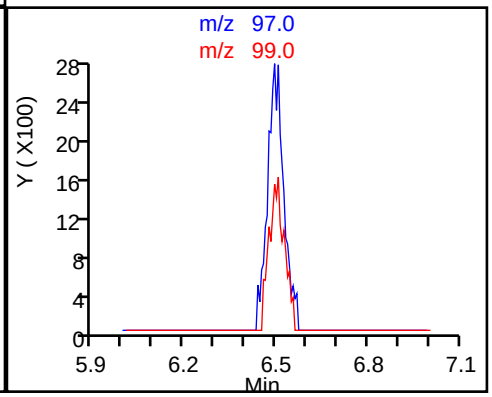








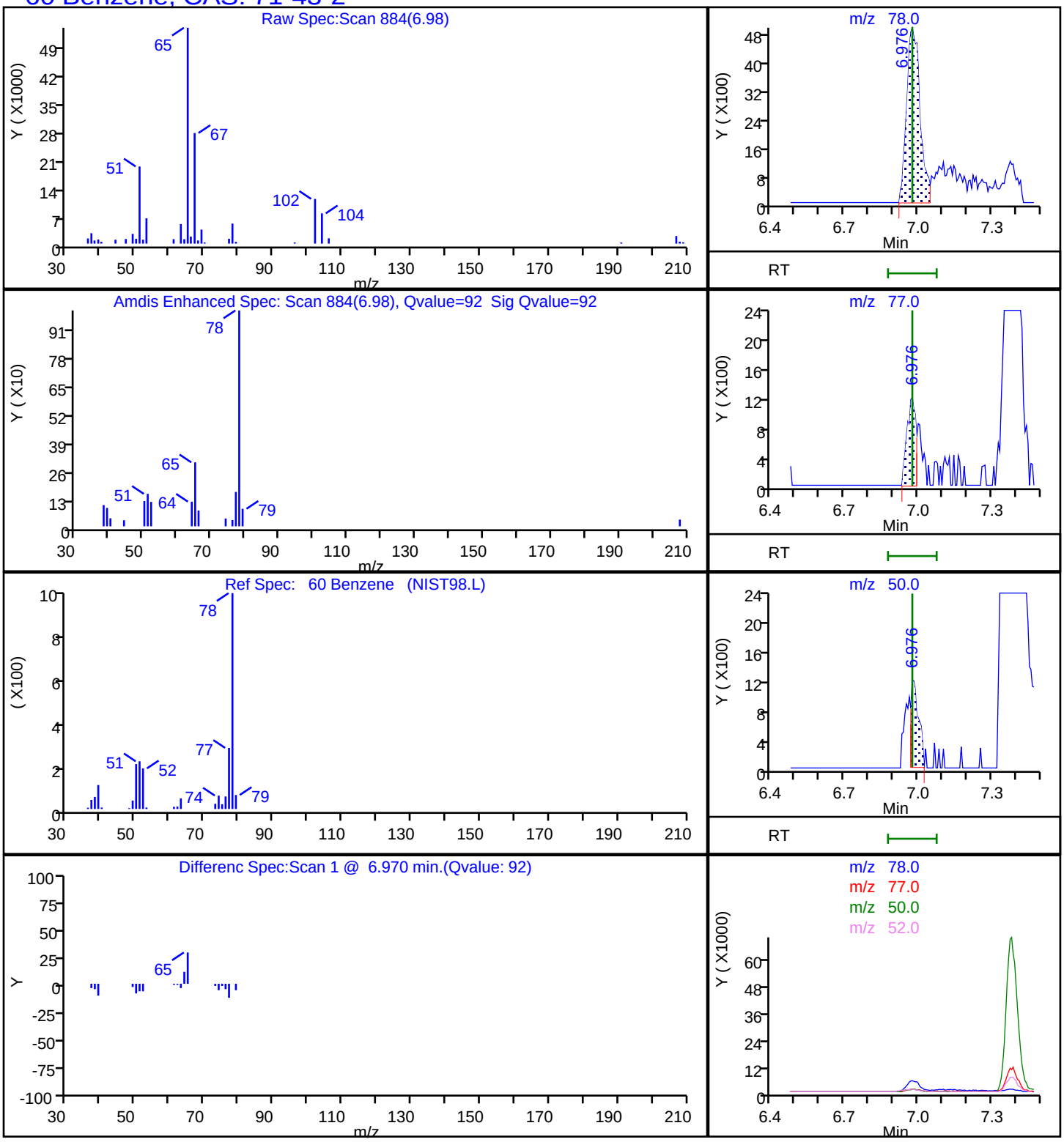




Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X17.D				
Injection Date:	23-Oct-2024 15:30:30	Instrument ID:	16334		
Lims ID:	410-193020-A-7	Lab Sample ID:	410-193020-7		
Client ID:	HD-COD-SW-16-0/1-0				
Operator ID:	ecr105096	ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

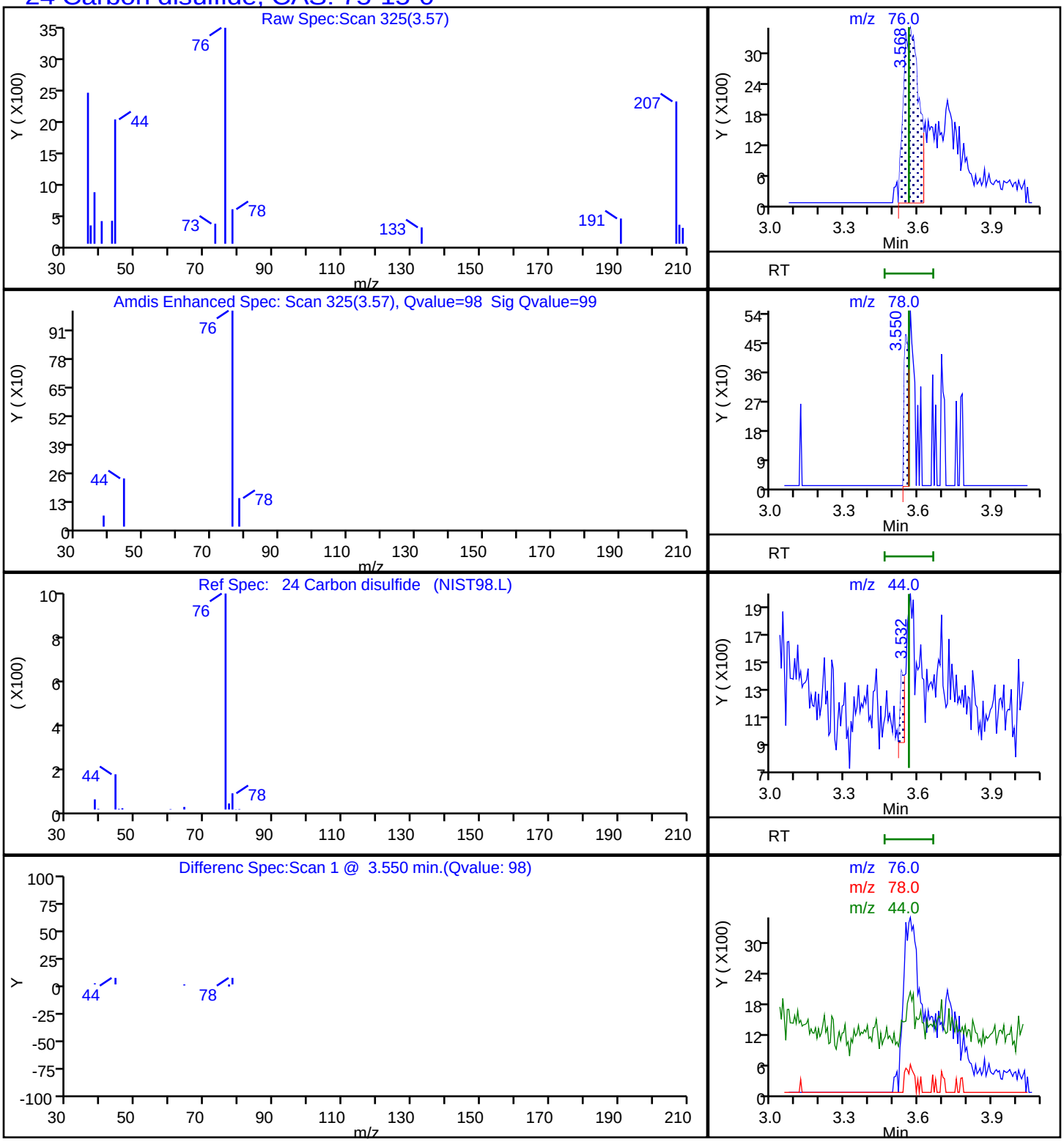
60 Benzene, CAS: 71-43-2



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X17.D				
Injection Date:	23-Oct-2024 15:30:30	Instrument ID:	16334		
Lims ID:	410-193020-A-7	Lab Sample ID:	410-193020-7		
Client ID:	HD-COD-SW-16-0/1-0				
Operator ID:	ecr105096	ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

24 Carbon disulfide, CAS: 75-15-0



Report Date: 24-Oct-2024 08:31:41 Chrom Revision: 2.3 17-Oct-2024 11:42:22

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X17.D

Injection Date: 23-Oct-2024 15:30:30 Instrument ID: 16334

Lims ID: 410-193020-A-7 Lab Sample ID: 410-193020-7

Client ID: HD-COD-SW-16-0/1-0

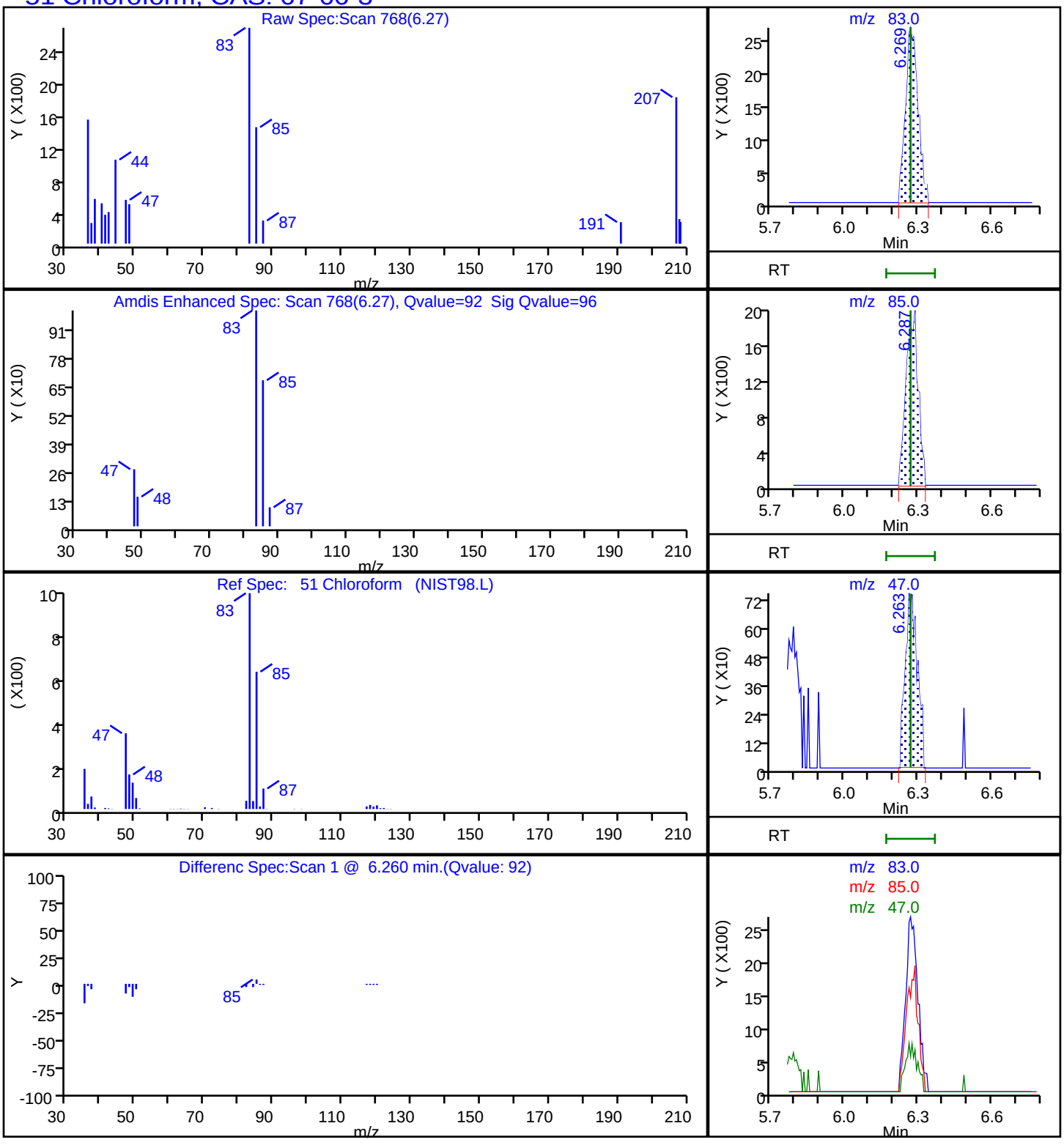
Operator ID: ecr105096 ALS Bottle#: 17 Worklist Smp#: 18

Purge Vol: 25.000 mL Dil. Factor: 1.0000

Method: MSV_16334_25mL Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

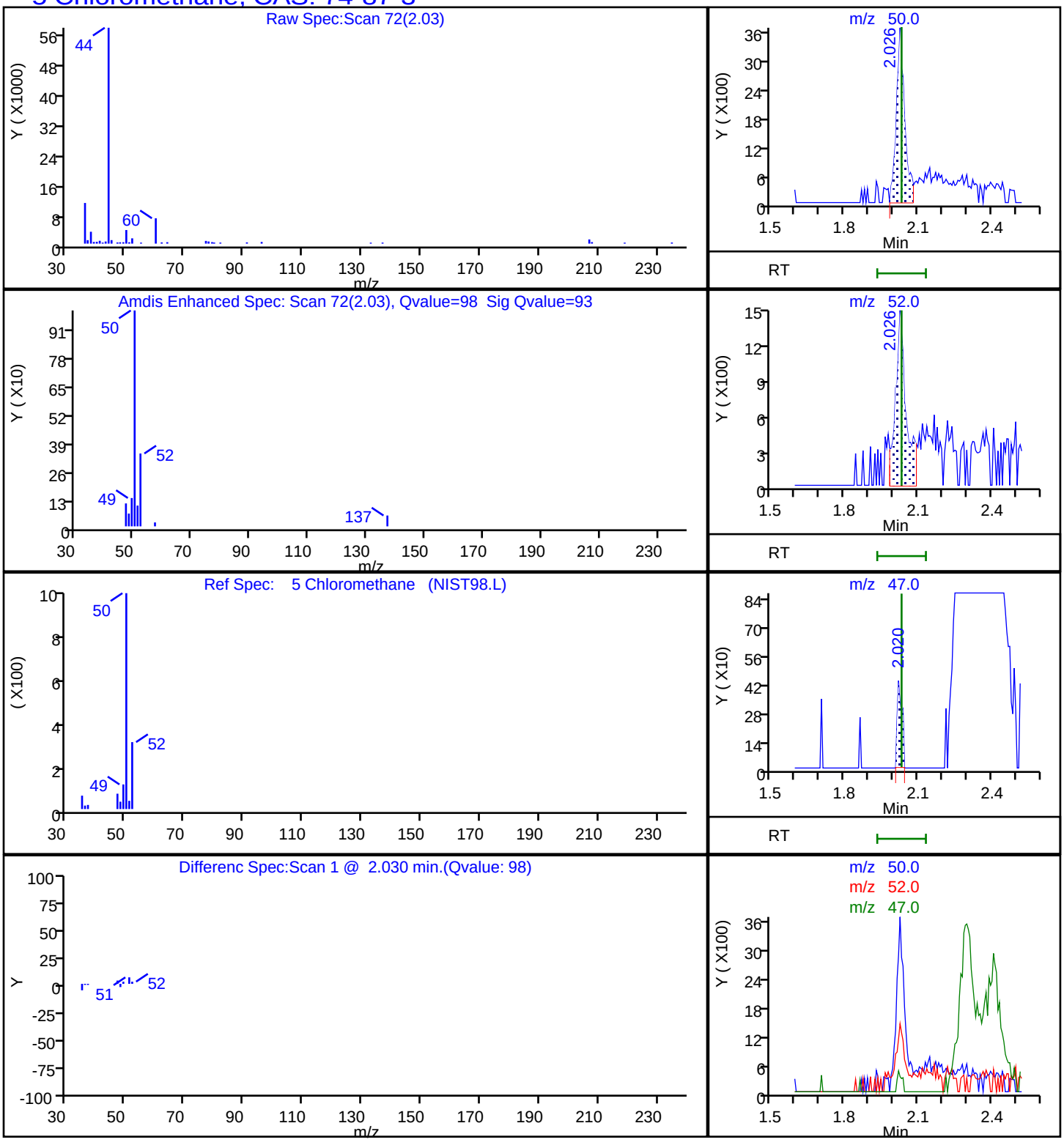
51 Chloroform, CAS: 67-66-3



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X17.D				
Injection Date:	23-Oct-2024 15:30:30	Instrument ID:	16334		
Lims ID:	410-193020-A-7	Lab Sample ID:	410-193020-7		
Client ID:	HD-COD-SW-16-0/1-0				
Operator ID:	ecr105096	ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

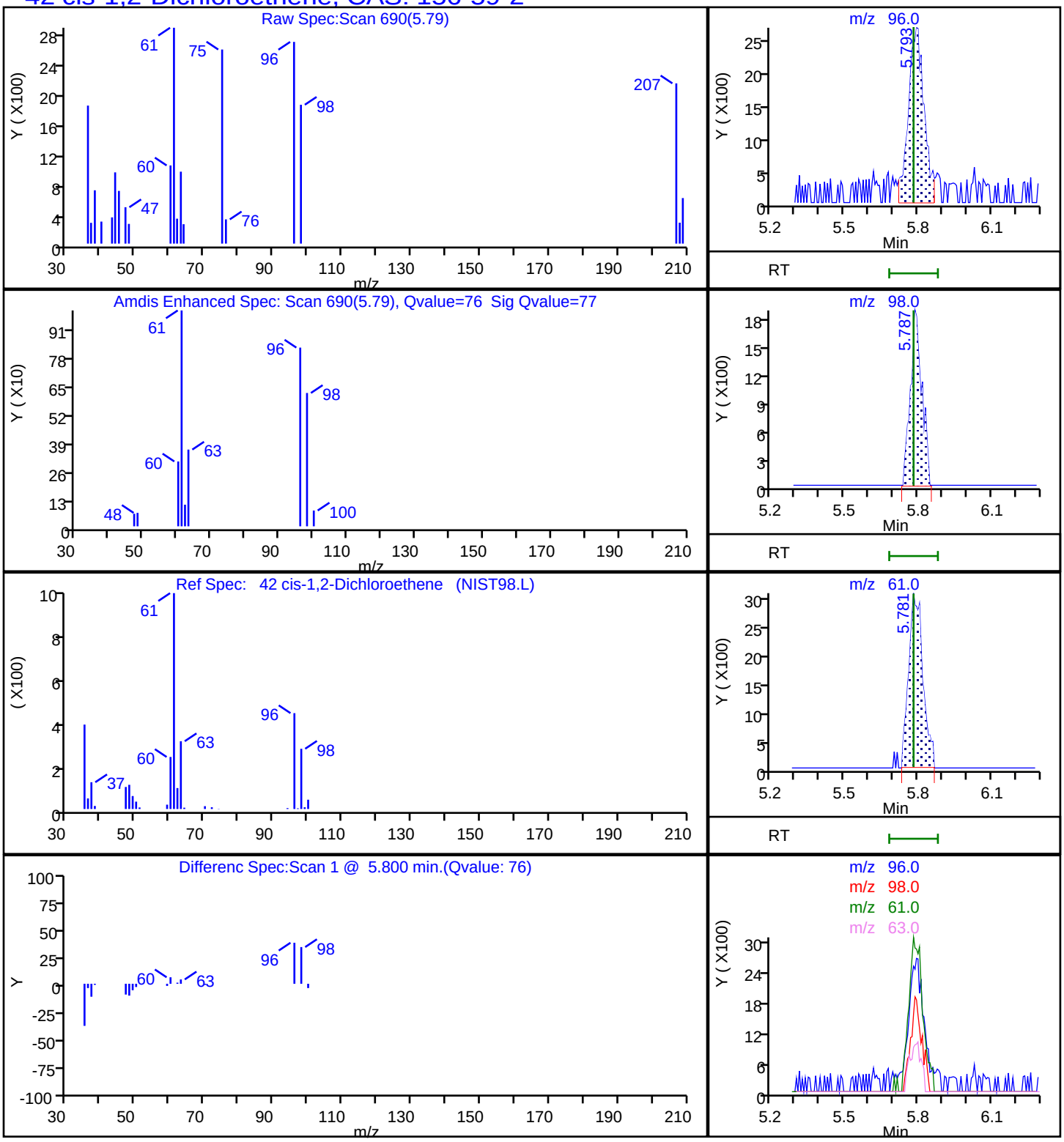
5 Chloromethane, CAS: 74-87-3



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X17.D				
Injection Date:	23-Oct-2024 15:30:30	Instrument ID:	16334		
Lims ID:	410-193020-A-7	Lab Sample ID:	410-193020-7		
Client ID:	HD-COD-SW-16-0/1-0				
Operator ID:	ecr105096	ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

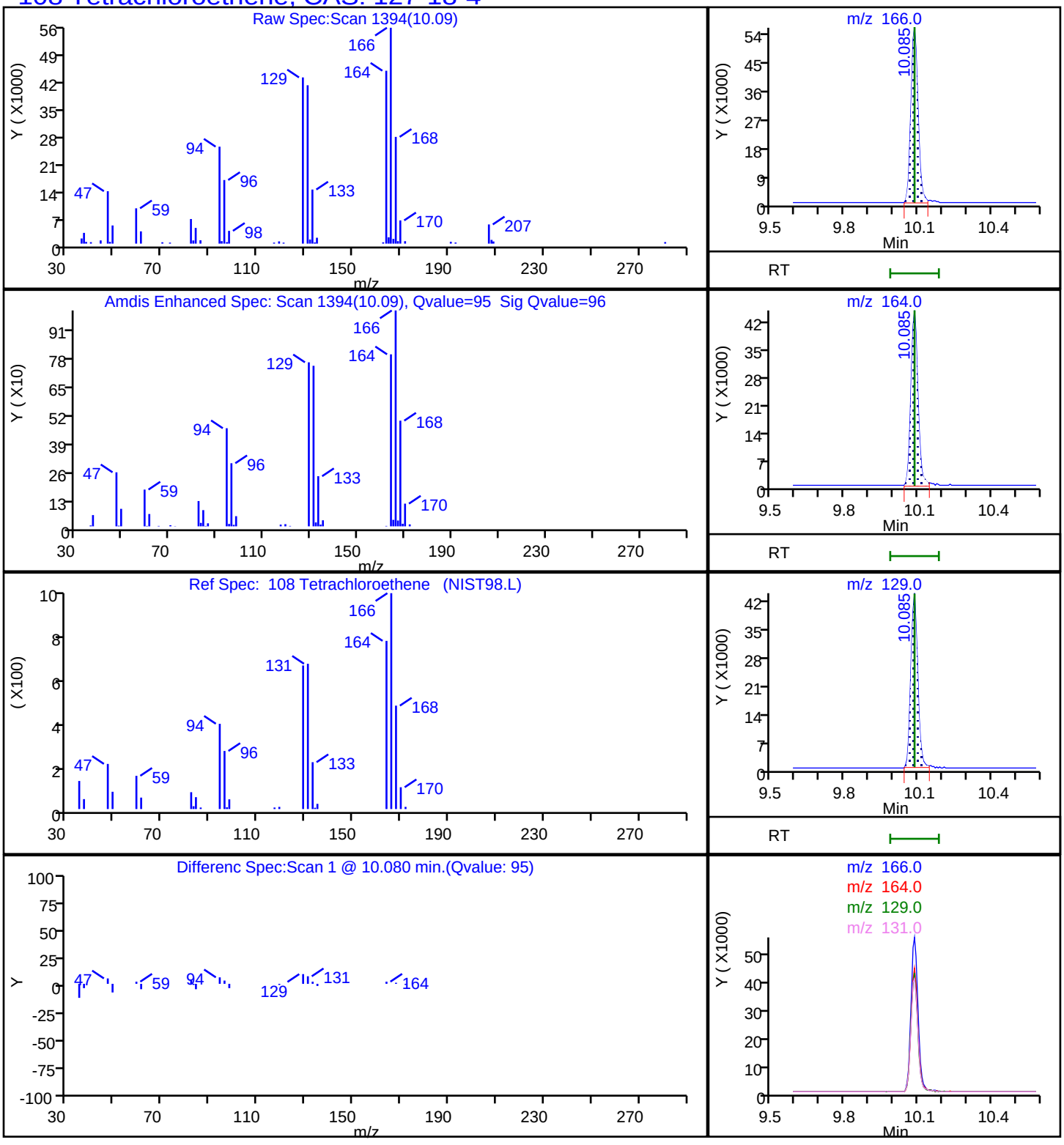
42 cis-1,2-Dichloroethene, CAS: 156-59-2



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X17.D				
Injection Date:	23-Oct-2024 15:30:30	Instrument ID:	16334		
Lims ID:	410-193020-A-7	Lab Sample ID:	410-193020-7		
Client ID:	HD-COD-SW-16-0/1-0				
Operator ID:	ecr105096	ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

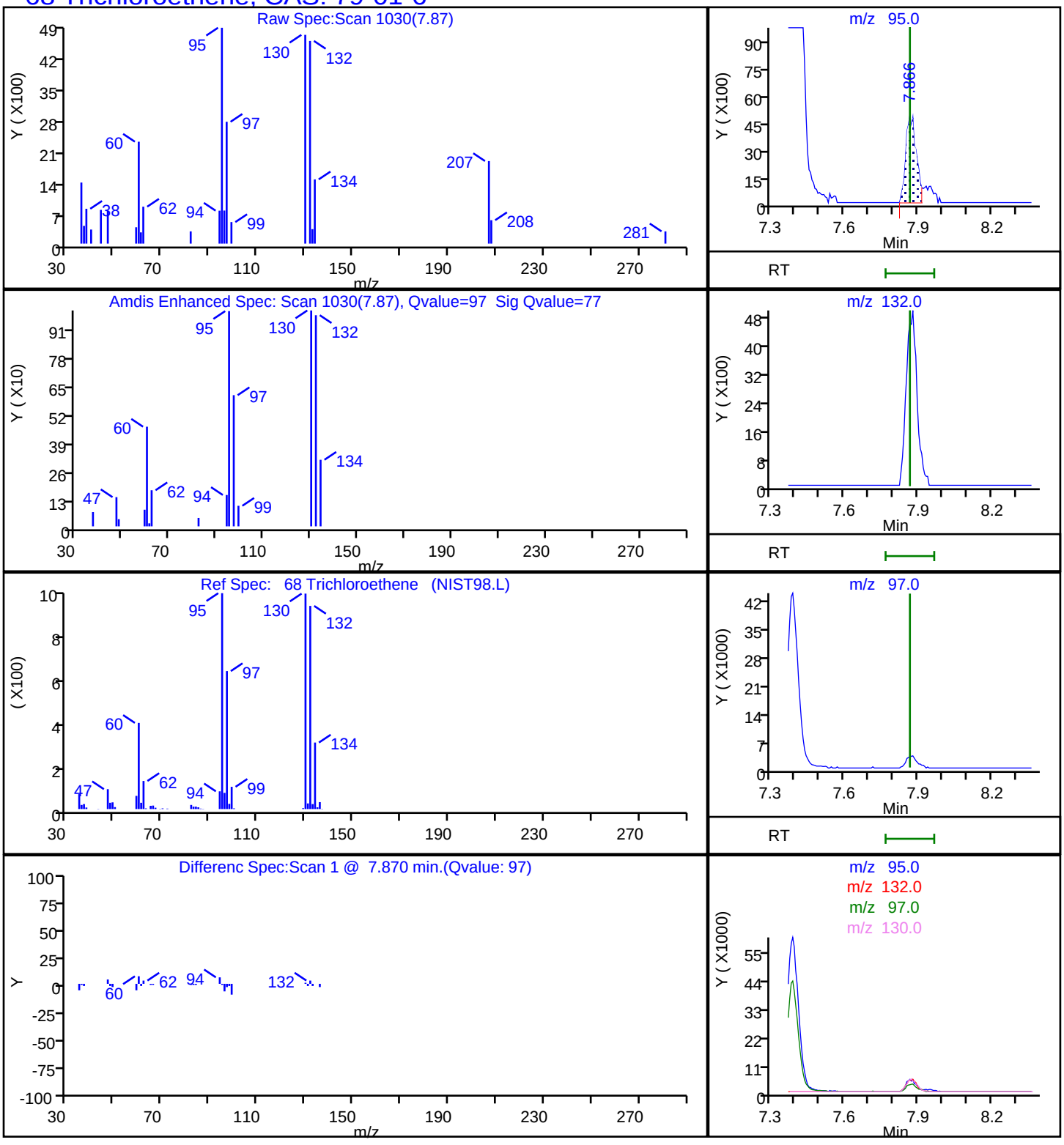
108 Tetrachloroethene, CAS: 127-18-4



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X17.D				
Injection Date:	23-Oct-2024 15:30:30	Instrument ID:	16334		
Lims ID:	410-193020-A-7	Lab Sample ID:	410-193020-7		
Client ID:	HD-COD-SW-16-0/1-0				
Operator ID:	ecr105096	ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

68 Trichloroethene, CAS: 79-01-6



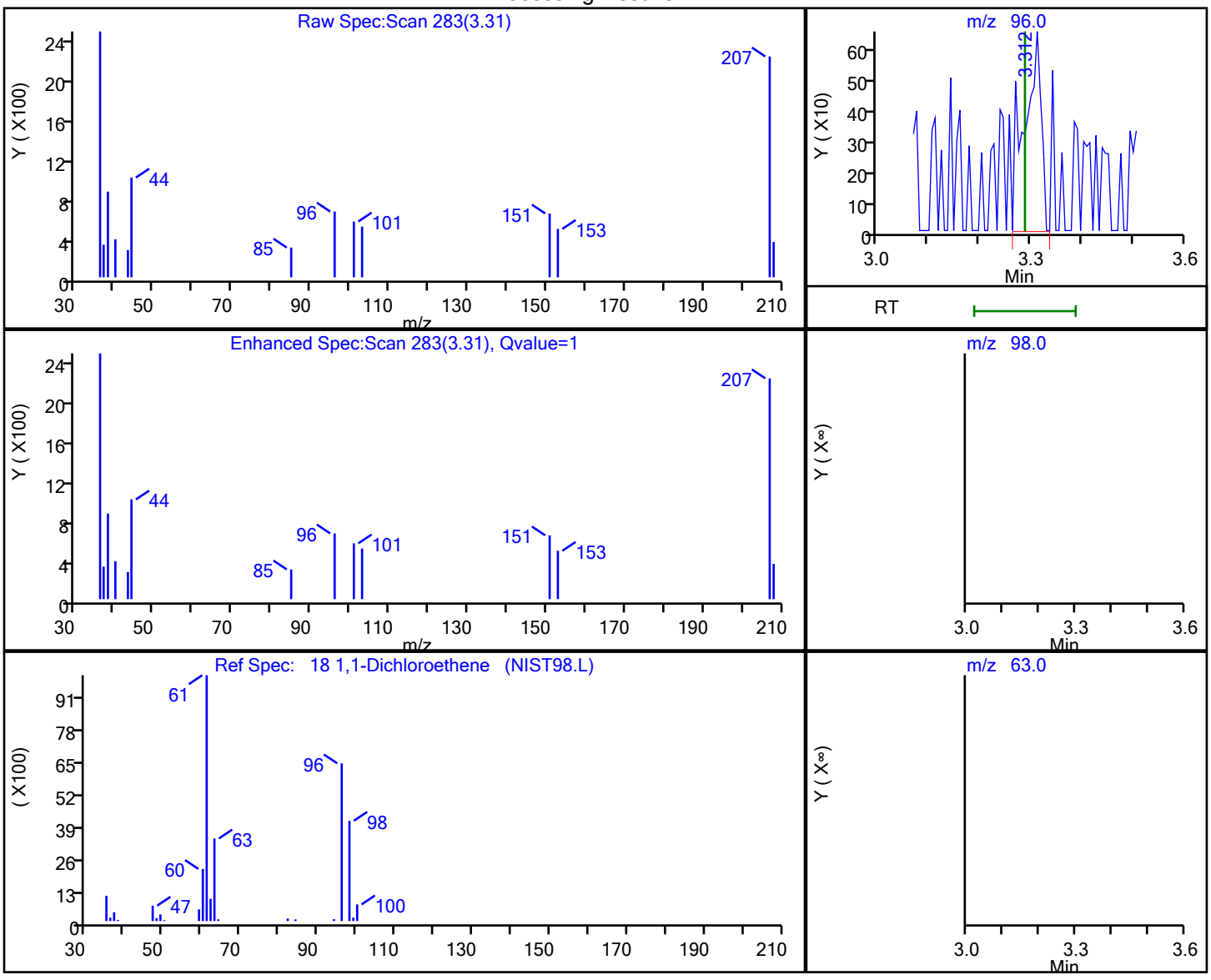
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X17.D				
Injection Date:	23-Oct-2024 15:30:30	Instrument ID:	16334		
Lims ID:	410-193020-A-7	Lab Sample ID:	410-193020-7		
Client ID:	HD-COD-SW-16-0/1-0				
Operator ID:	ecr105096	ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

18 1,1-Dichloroethene, CAS: 75-35-4

Processing Results



RT	Mass	Response	Amount
3.31	96.00	1485	0.040858
3.29	98.00	0	
3.29	63.00	0	
3.29	61.00	0	

Reviewer: FQ4L, 24-Oct-2024 08:30:22 07:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

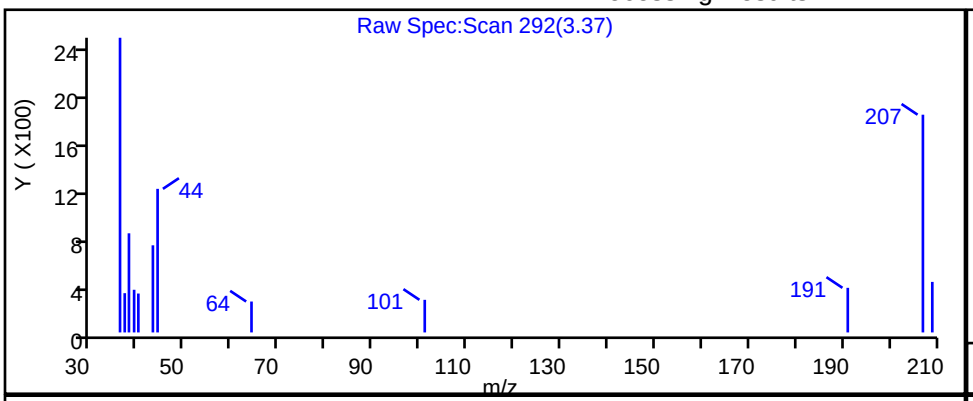
User Disabled Compound Report

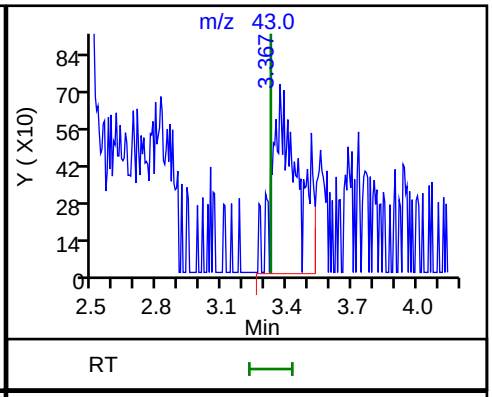
Eurofins Lancaster Laboratories Environment Testing, LLC

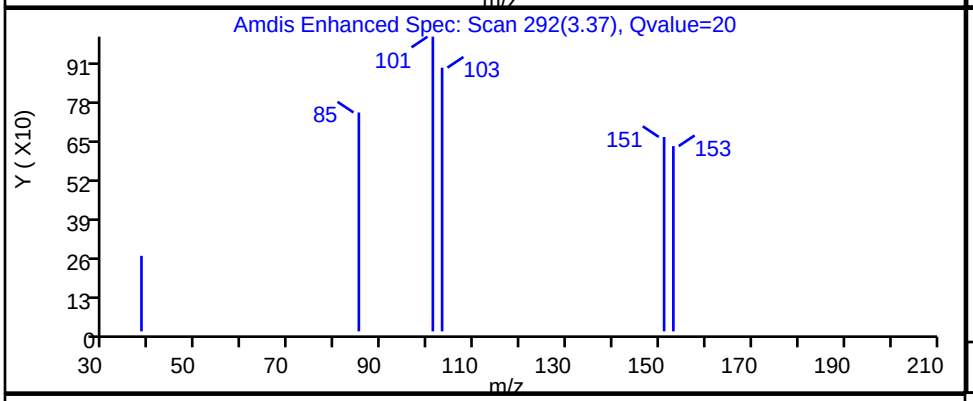
Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X17.D				
Injection Date:	23-Oct-2024 15:30:30	Instrument ID:	16334		
Lims ID:	410-193020-A-7	Lab Sample ID:	410-193020-7		
Client ID:	HD-COD-SW-16-0/1-0				
Operator ID:	ecr105096	ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

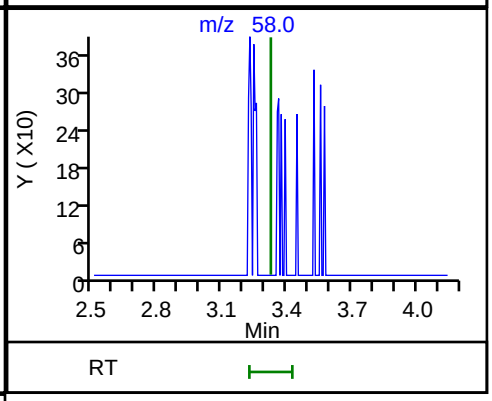
19 Acetone, CAS: 67-64-1

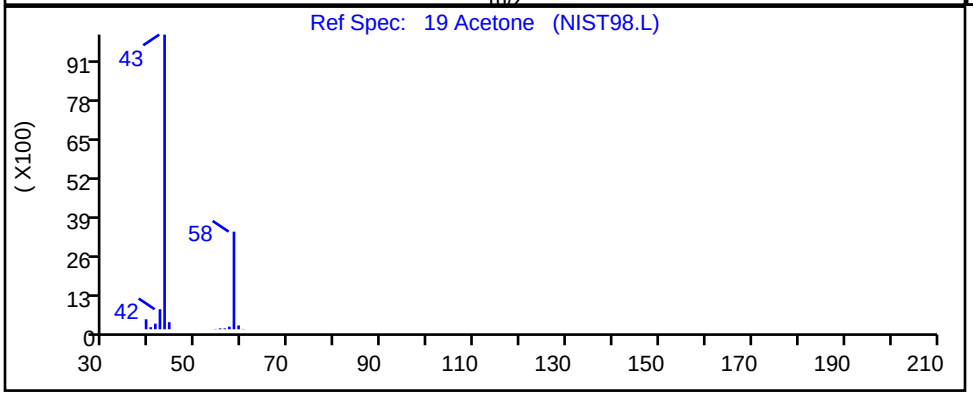
Processing Results











RT	Mass	Response	Amount
3.37	43.00	5850	3.915596
3.32	58.00	0	

Reviewer: FQ4L, 24-Oct-2024 08:30:24 07:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

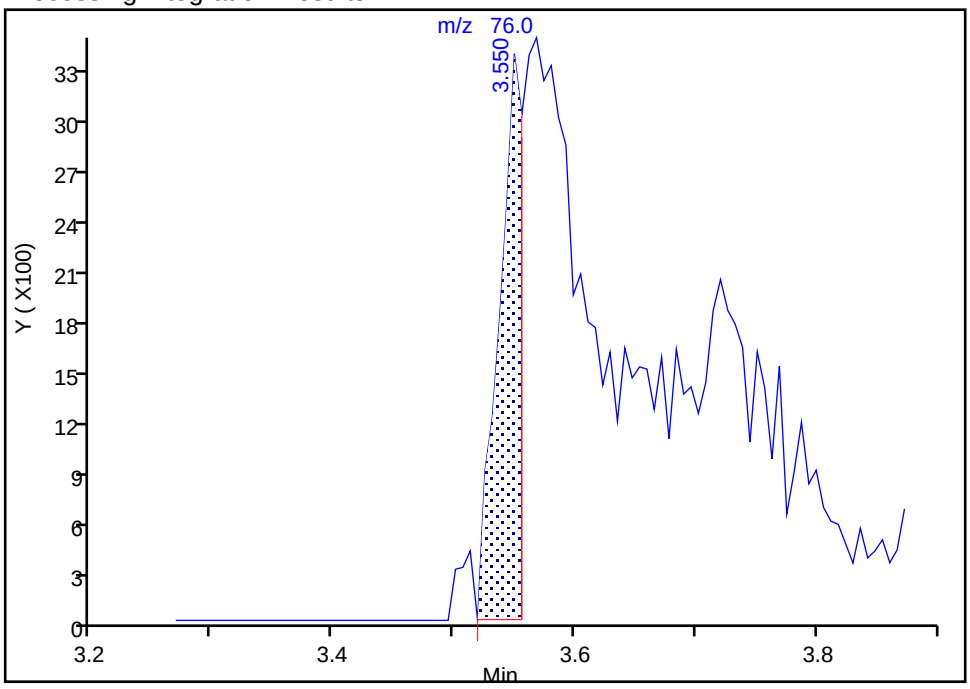
Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X17.D				
Injection Date:	23-Oct-2024 15:30:30	Instrument ID:	16334		
Lims ID:	410-193020-A-7	Lab Sample ID:	410-193020-7		
Client ID:	HD-COD-SW-16-0/1-0				
Operator ID:	ecr105096	ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

24 Carbon disulfide, CAS: 75-15-0

Signal: 1

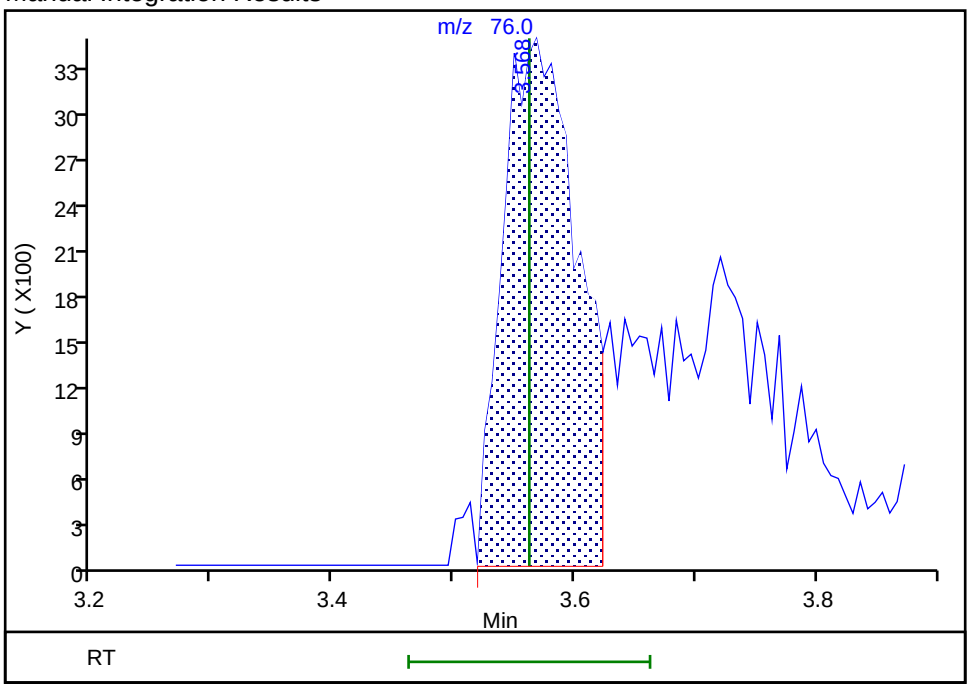
Processing Integration Results

RT: 3.55
Area: 4640
Amount: 0.037636
Amount Units: ug/l



Manual Integration Results

RT: 3.57
Area: 14835
Amount: 0.120329
Amount Units: ug/l



Reviewer: FQ4L, 24-Oct-2024 08:30:38 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

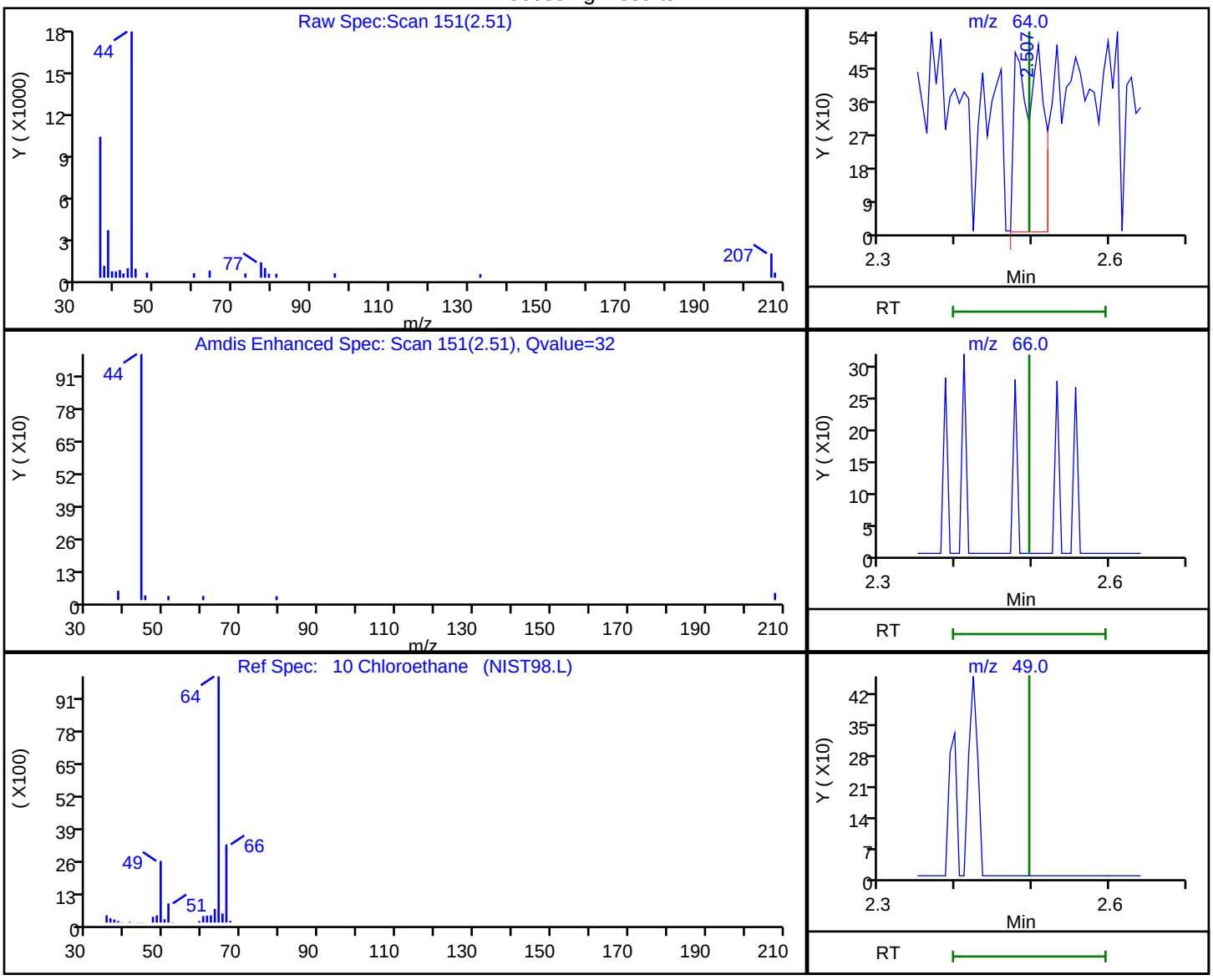
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X17.D				
Injection Date:	23-Oct-2024 15:30:30	Instrument ID:	16334		
Lims ID:	410-193020-A-7	Lab Sample ID:	410-193020-7		
Client ID:	HD-COD-SW-16-0/1-0				
Operator ID:	ecr105096	ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

10 Chloroethane, CAS: 75-00-3

Processing Results



RT	Mass	Response	Amount
2.51	64.00	1148	0.037562
2.50	66.00	0	
2.50	49.00	0	

Reviewer: FQ4L, 24-Oct-2024 08:30:19 07:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

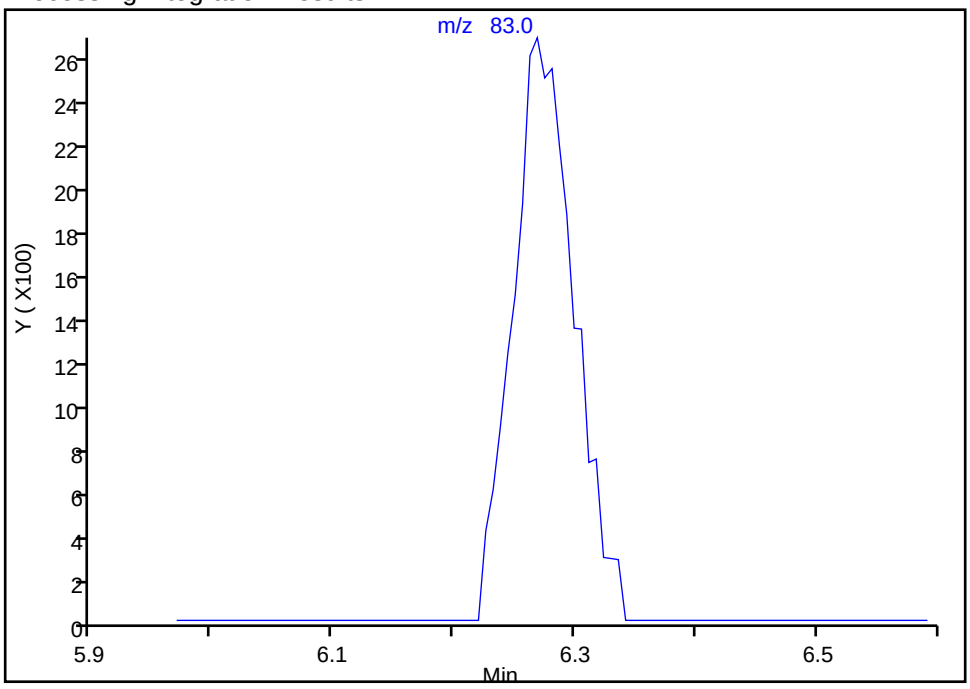
Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X17.D				
Injection Date:	23-Oct-2024 15:30:30	Instrument ID:	16334		
Lims ID:	410-193020-A-7	Lab Sample ID:	410-193020-7		
Client ID:	HD-COD-SW-16-0/1-0				
Operator ID:	ecr105096	ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

51 Chloroform, CAS: 67-66-3

Signal: 1

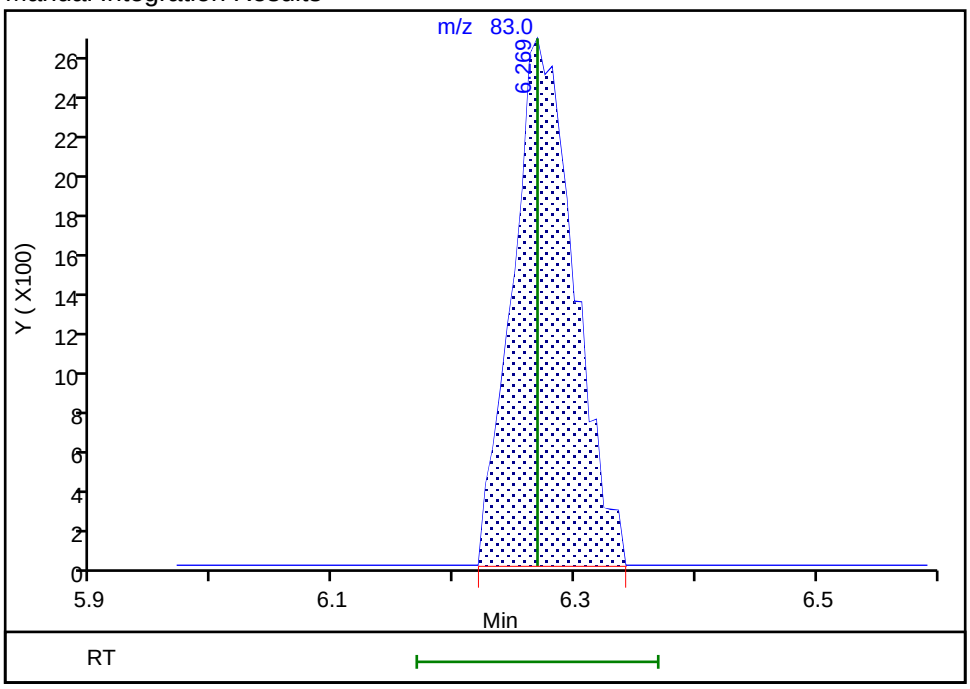
Not Detected
Expected RT: 6.27

Processing Integration Results



Manual Integration Results

RT: 6.27
Area: 9532
Amount: 0.127695
Amount Units: ug/l



Reviewer: FQ4L, 24-Oct-2024 08:30:49 07:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

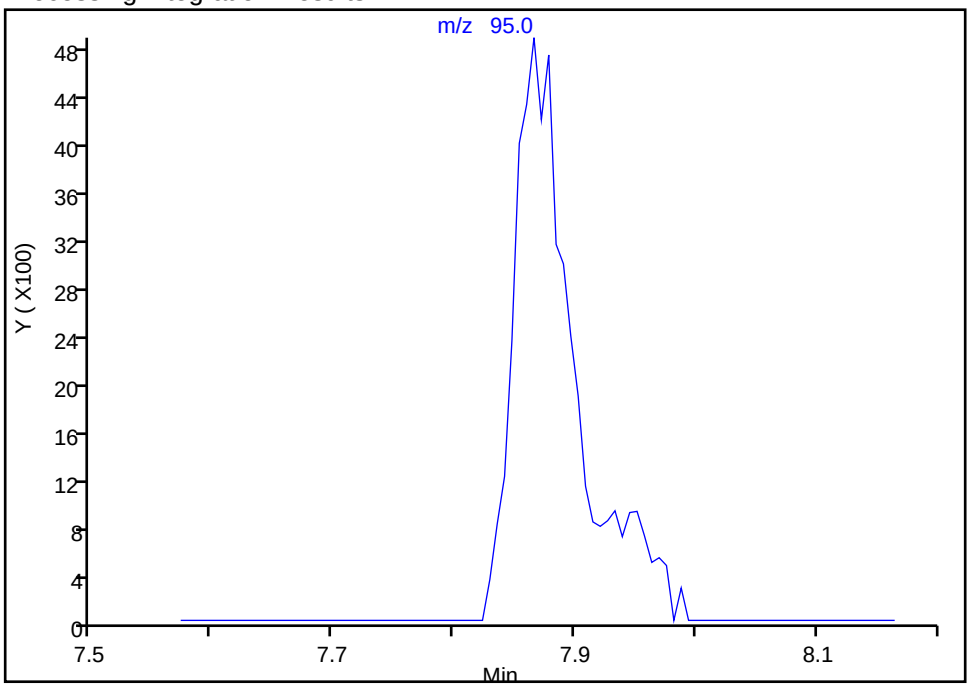
Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X17.D				
Injection Date:	23-Oct-2024 15:30:30	Instrument ID:	16334		
Lims ID:	410-193020-A-7	Lab Sample ID:	410-193020-7		
Client ID:	HD-COD-SW-16-0/1-0				
Operator ID:	ecr105096	ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

68 Trichloroethene, CAS: 79-01-6

Signal: 1

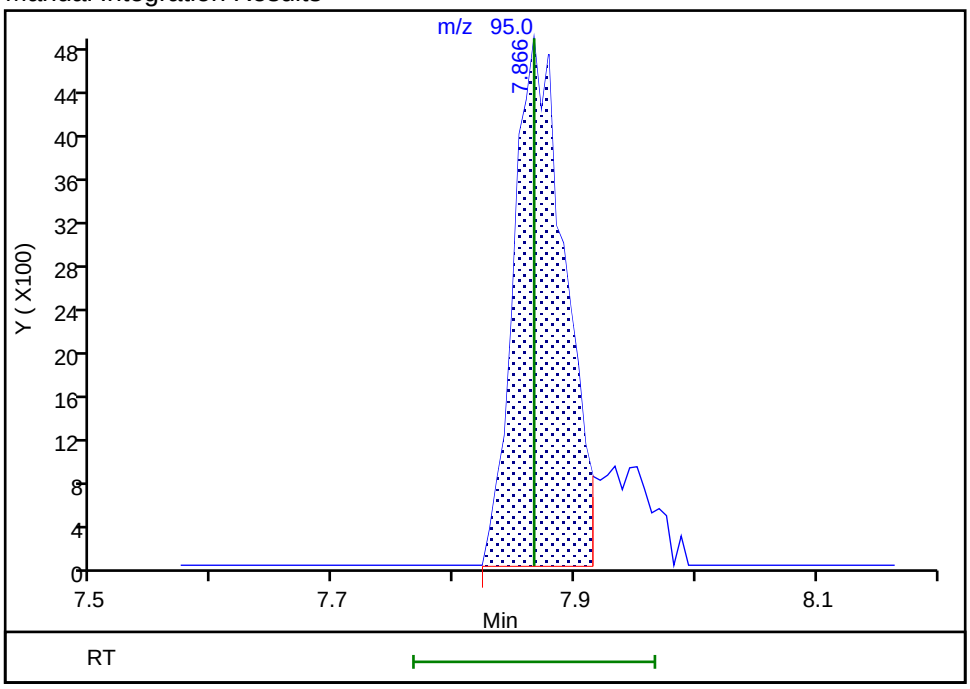
Not Detected
Expected RT: 7.87

Processing Integration Results



Manual Integration Results

RT: 7.87
Area: 14282
Amount: 0.308277
Amount Units: ug/l



Reviewer: FQ4L, 24-Oct-2024 08:31:23 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.: 410-193020-1

SDG No.:

Client Sample ID: HD-COD-SW-17-0/1-0
Lab Sample ID: 410-193020-8

Matrix: Water
Lab File ID: CC29X38.D

Analysis Method: 8260D
Date Collected: 10/18/2024 09:40

Sample wt/vol: 25(mL)
Date Analyzed: 10/29/2024 23:45

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.: 569172
Units: ug/L

Preparation Batch No.:
Instrument ID: 10193

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	11		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.10
79-00-5	1,1,2-Trichloroethane	ND		0.50	0.080
75-34-3	1,1-Dichloroethane	1.6		0.50	0.10
75-35-4	1,1-Dichloroethene	0.82		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	ND		0.50	0.080
107-06-2	1,2-Dichloroethane	ND		0.50	0.070
78-87-5	1,2-Dichloropropane	ND		0.50	0.10
78-93-3	2-Butanone (MEK)	ND		5.0	1.0
591-78-6	2-Hexanone	ND		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	ND		5.0	1.5
71-43-2	Benzene	ND		0.50	0.10
74-97-5	Bromochloromethane	ND		0.50	0.080
75-27-4	Bromodichloromethane	ND		0.50	0.080
75-25-2	Bromoform	ND		1.0	0.30
74-83-9	Bromomethane	ND		0.50	0.10
75-15-0	Carbon disulfide	ND		1.0	0.10
56-23-5	Carbon tetrachloride	ND		0.50	0.10
108-90-7	Chlorobenzene	ND		0.50	0.070
75-00-3	Chloroethane	ND		0.50	0.10
67-66-3	Chloroform	0.20	J	0.50	0.090
74-87-3	Chloromethane	ND	^c cn	0.50	0.10
156-59-2	cis-1,2-Dichloroethene	2.5		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.: 410-193020-1

SDG No.:

Client Sample ID: HD-COD-SW-17-0/1-0
Lab Sample ID: 410-193020-8

Matrix: Water
Lab File ID: CC29X38.D

Analysis Method: 8260D
Date Collected: 10/18/2024 09:40

Sample wt/vol: 25(mL)
Date Analyzed: 10/29/2024 23:45

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.: 569172
Units: ug/L

Preparation Batch No.:
Instrument ID: 10193

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	4.5		0.50	0.080
75-01-4	Vinyl chloride	ND	^c cn	0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		80-120
460-00-4	4-Bromofluorobenzene (Surr)	86		80-120
1868-53-7	Dibromofluoromethane (Surr)	109		80-120
2037-26-5	Toluene-d8 (Surr)	93		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20241029-129145.b\CC29X38.D
Lims ID: 410-193020-B-8
Client ID: HD-COD-SW-17-0/1-0
Sample Type: Client
Inject. Date: 29-Oct-2024 23:45:30 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0129145-009
Operator ID: gaw91131 Instrument ID: 10193

Method: \\chromfs\Lancaster\ChromData\10193\20241029-129145.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 30-Oct-2024 11:10:57 Calib Date: 15-Jun-2024 00:45:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1691

First Level Reviewer: N9NA Date: 30-Oct-2024 11:10:57

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50		1.957				ND	7
6 Vinyl chloride	62		2.061				ND	7
9 Bromomethane	94		2.354				ND	7
10 Chloroethane	64		2.427				ND	
18 1,1-Dichloroethene	96	3.158	3.165	-0.007	95	35694	0.8175	
20 Acetone	43		3.195				ND	7
25 Carbon disulfide	76		3.421				ND	7
30 Methylene Chloride	84		3.744				ND	7
* 31 t-Butyl alcohol-d10 (IS)	65	3.756	3.756	0.000	95	120457	50.0	
34 Methyl tert-butyl ether	73	4.116	4.103	0.013	34	4251	0.0319	M
35 trans-1,2-Dichloroethene	96	4.091	4.103	-0.012	42	2326	0.0446	
37 1,1-Dichloroethane	63	4.756	4.756	0.000	96	140599	1.57	
42 2-Butanone (MEK)	43		5.573				ND	7
43 cis-1,2-Dichloroethene	96	5.609	5.609	0.000	75	147551	2.52	
48 Chlorobromomethane	128		5.938				ND	
50 Chloroform	83	6.103	6.103	0.000	90	18628	0.1965	
$ 54 Dibromofluoromethane (Surr)	113	6.322	6.322	0.000	80	502379	10.9	
53 1,1,1-Trichloroethane	97	6.322	6.329	-0.007	97	850725	10.7	
56 Carbon tetrachloride	117		6.542				ND	7
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.780	6.792	-0.012	96	100562	10.6	
60 Benzene	78		6.816				ND	7
61 1,2-Dichloroethane	62		6.889				ND	7
* 65 Fluorobenzene (IS)	96	7.231	7.231	0.000	99	1908283	10.0	
68 Trichloroethene	95	7.712	7.719	-0.007	94	264898	4.52	
70 1,2-Dichloropropane	63		8.060				ND	
76 Dichlorobromomethane	83		8.420				ND	
80 cis-1,3-Dichloropropene	75		8.993				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.200				ND	7
$ 83 Toluene-d8 (Surr)	98	9.322	9.322	0.000	93	1940213	9.29	
84 Toluene	92		9.407				ND	7
85 trans-1,3-Dichloropropene	75		9.694				ND	7
87 1,1,2-Trichloroethane	97	9.913	9.913	0.000	1	1231	0.0275	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
88 Tetrachloroethene	166	9.992	9.992	0.000	97	13215646	171.8	E
106 2-Hexanone	43		10.157				ND	7
108 Chlorodibromomethane	129		10.303				ND	
110 Ethylene Dibromide	107		10.419				ND	
* 111 Chlorobenzene-d5 (IS)	117	10.876	10.876	0.000	83	1630673	10.0	
113 Chlorobenzene	112		10.901				ND	7
114 1,1,1,2-Tetrachloroethane	131		10.992				ND	7
115 Ethylbenzene	91		10.998				ND	7
116 m-Xylene & p-Xylene	106		11.120				ND	7
S 117 Xylenes, Total	106		11.245				ND	7
118 o-Xylene	106		11.462				ND	7
119 Styrene	104		11.480				ND	7
120 Bromoform	173		11.632				ND	
$ 124 4-Bromofluorobenzene (Surr)	95	11.919	11.919	0.000	97	679188	8.65	
126 1,1,2,2-Tetrachloroethane	83		12.035				ND	
* 139 1,4-Dichlorobenzene-d4	152	12.821	12.821	0.000	92	900289	10.0	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

Reagents:

MSV_HP25_ISSS_00101 Amount Added: 1.00 Units: uL Run Reagent

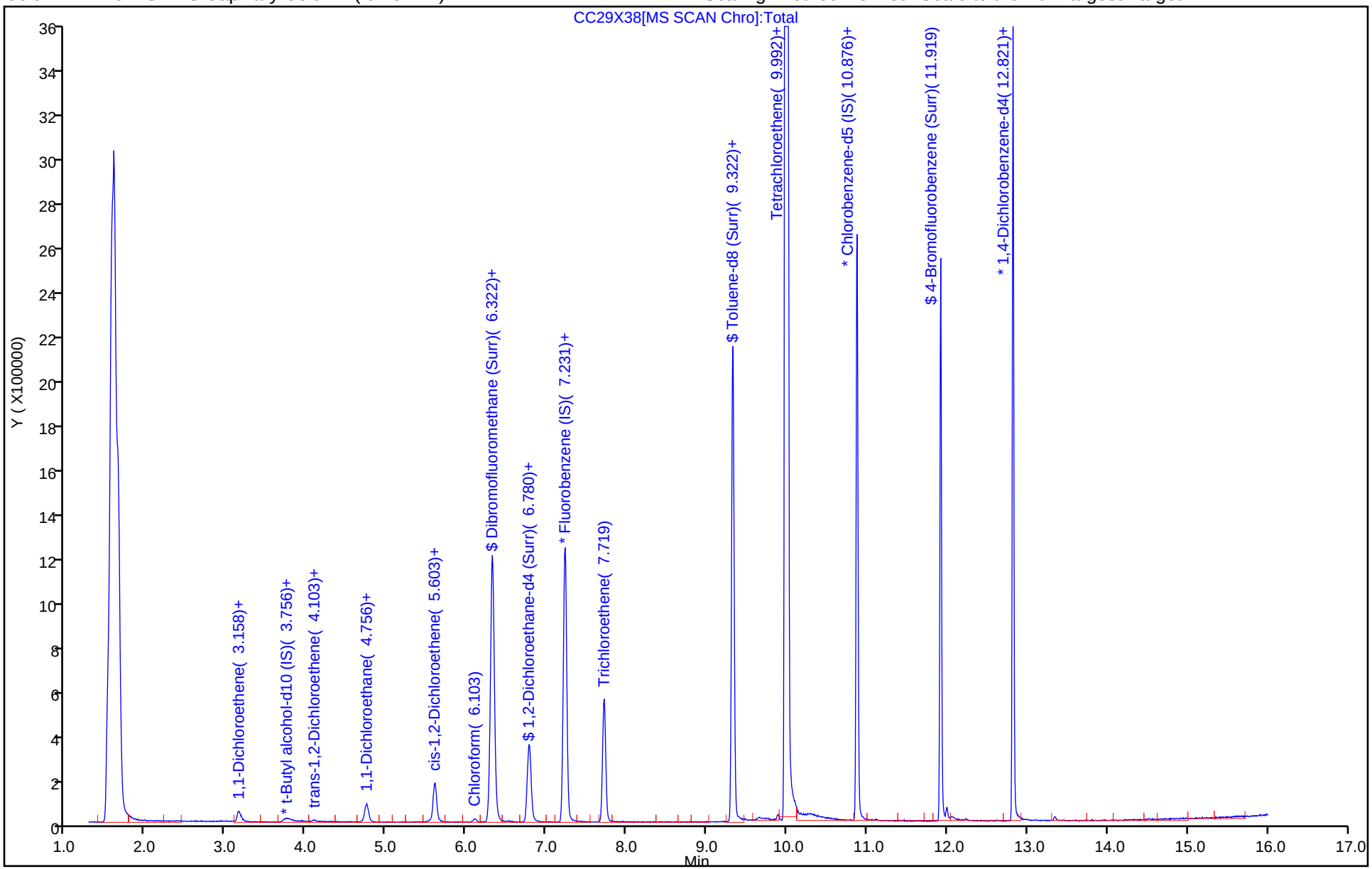
Report Date: 30-Oct-2024 11:10:58 Chrom Revision: 2.3 17-Oct-2024 11:42:22

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20241029-129145.b\CC29X38.D

Injection Date:	29-Oct-2024 23:45:30	Instrument ID:	10193	Operator ID:	gaw91131
Lims ID:	410-193020-B-8	Lab Sample ID:	410-193020-8	Worklist Smp#:	9
Client ID:	HD-COD-SW-17-0/1-0				
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\10193\20241029-129145.b\CC29X38.D
Lims ID: 410-193020-B-8
Client ID: HD-COD-SW-17-0/1-0
Sample Type: Client
Inject. Date: 29-Oct-2024 23:45:30 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0129145-009
Operator ID: gaw91131 Instrument ID: 10193

Method: \\chromfs\Lancaster\ChromData\10193\20241029-129145.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 30-Oct-2024 11:10:57 Calib Date: 15-Jun-2024 00:45:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1691

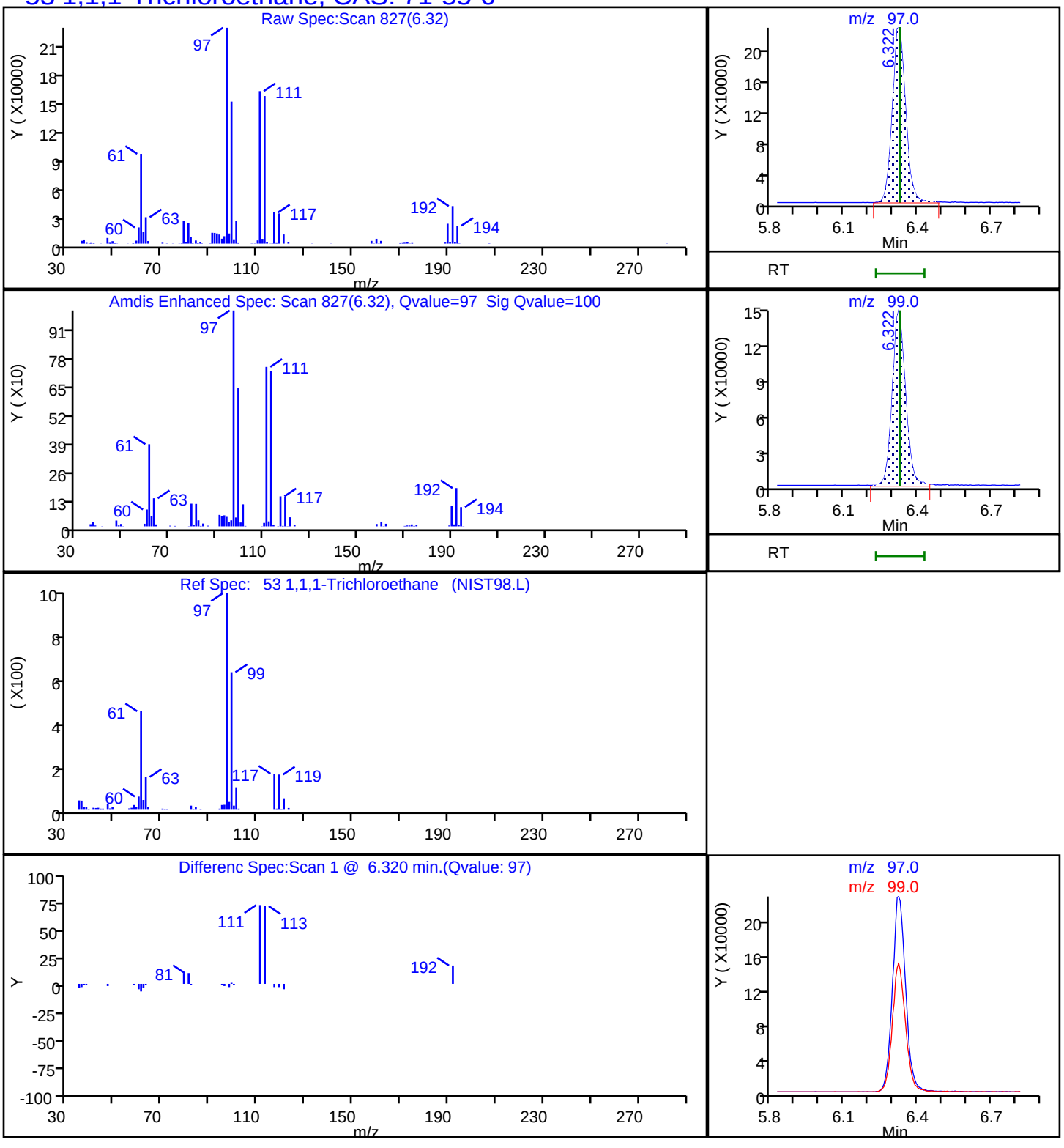
First Level Reviewer: N9NA Date: 30-Oct-2024 11:10:57

Compound	Amount Added	Amount Recovered	% Rec.
$ 54 Dibromofluoromethane (Surr)	10.0	10.9	108.71
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.6	106.36
$ 83 Toluene-d8 (Surr)	10.0	9.29	92.86
$ 124 4-Bromofluorobenzene (Surr)	10.0	8.65	86.47

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\10193\20241029-129145.b\CC29X38.D				
Injection Date:	29-Oct-2024 23:45:30	Instrument ID:	10193		
Lims ID:	410-193020-B-8	Lab Sample ID:	410-193020-8		
Client ID:	HD-COD-SW-17-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

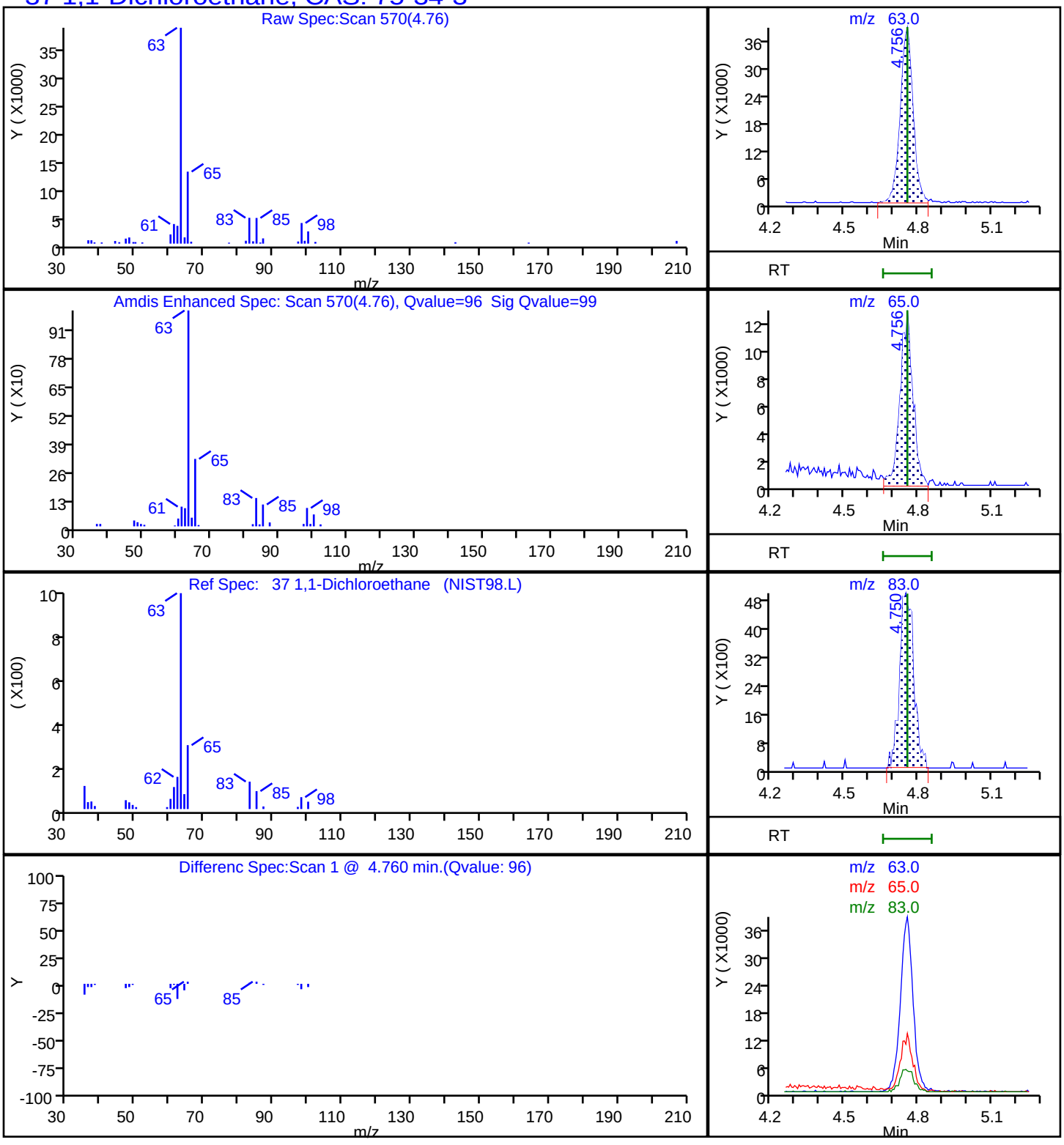
53 1,1,1-Trichloroethane, CAS: 71-55-6



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\10193\20241029-129145.b\CC29X38.D				
Injection Date:	29-Oct-2024 23:45:30	Instrument ID:	10193		
Lims ID:	410-193020-B-8	Lab Sample ID:	410-193020-8		
Client ID:	HD-COD-SW-17-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

37 1,1-Dichloroethane, CAS: 75-34-3

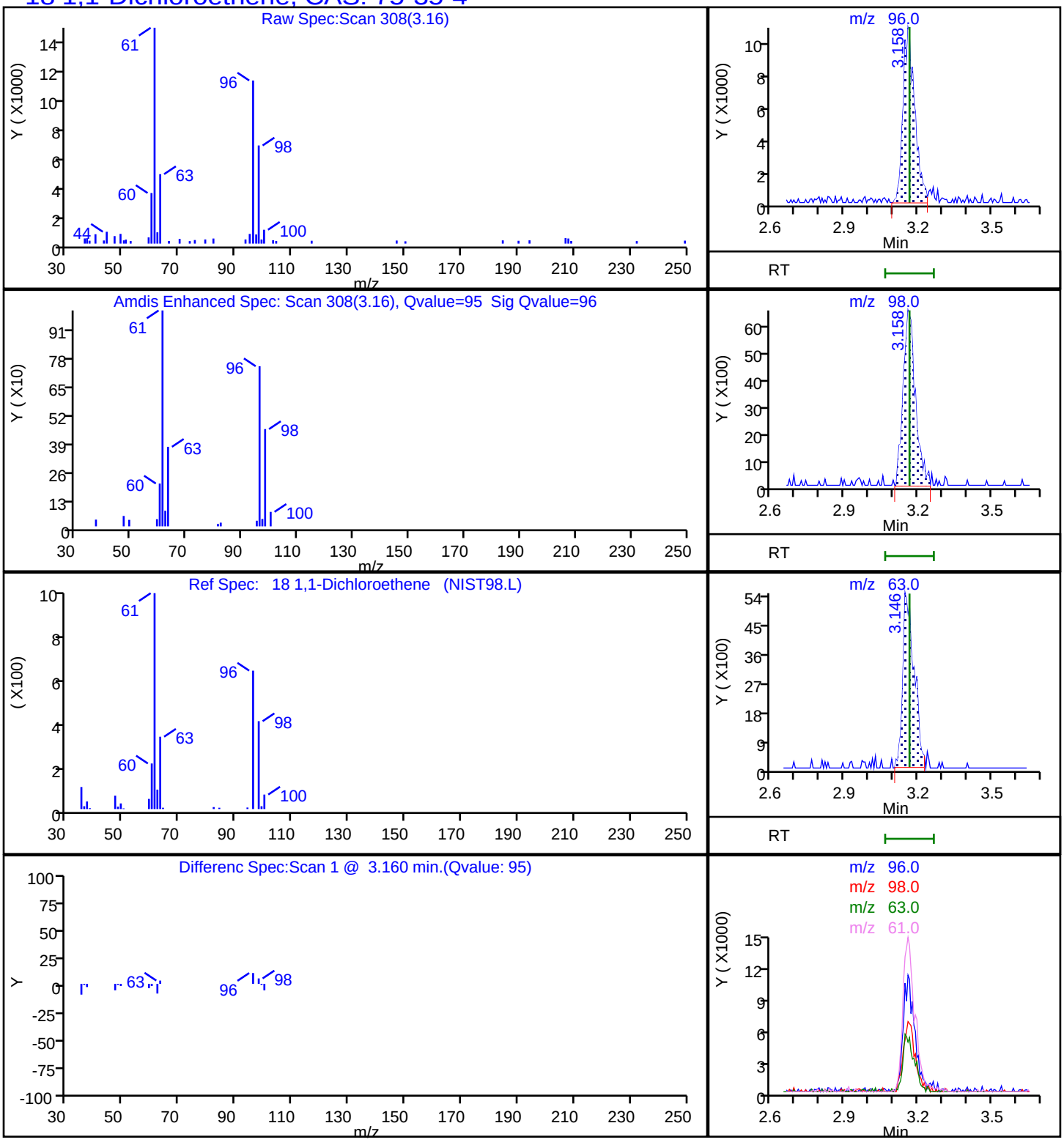


Report Date: 30-Oct-2024 11:10:58 Chrom Revision: 2.3 17-Oct-2024 11:42:22

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\10193\20241029-129145.b\CC29X38.D				
Injection Date:	29-Oct-2024 23:45:30	Instrument ID:	10193		
Lims ID:	410-193020-B-8	Lab Sample ID:	410-193020-8		
Client ID:	HD-COD-SW-17-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

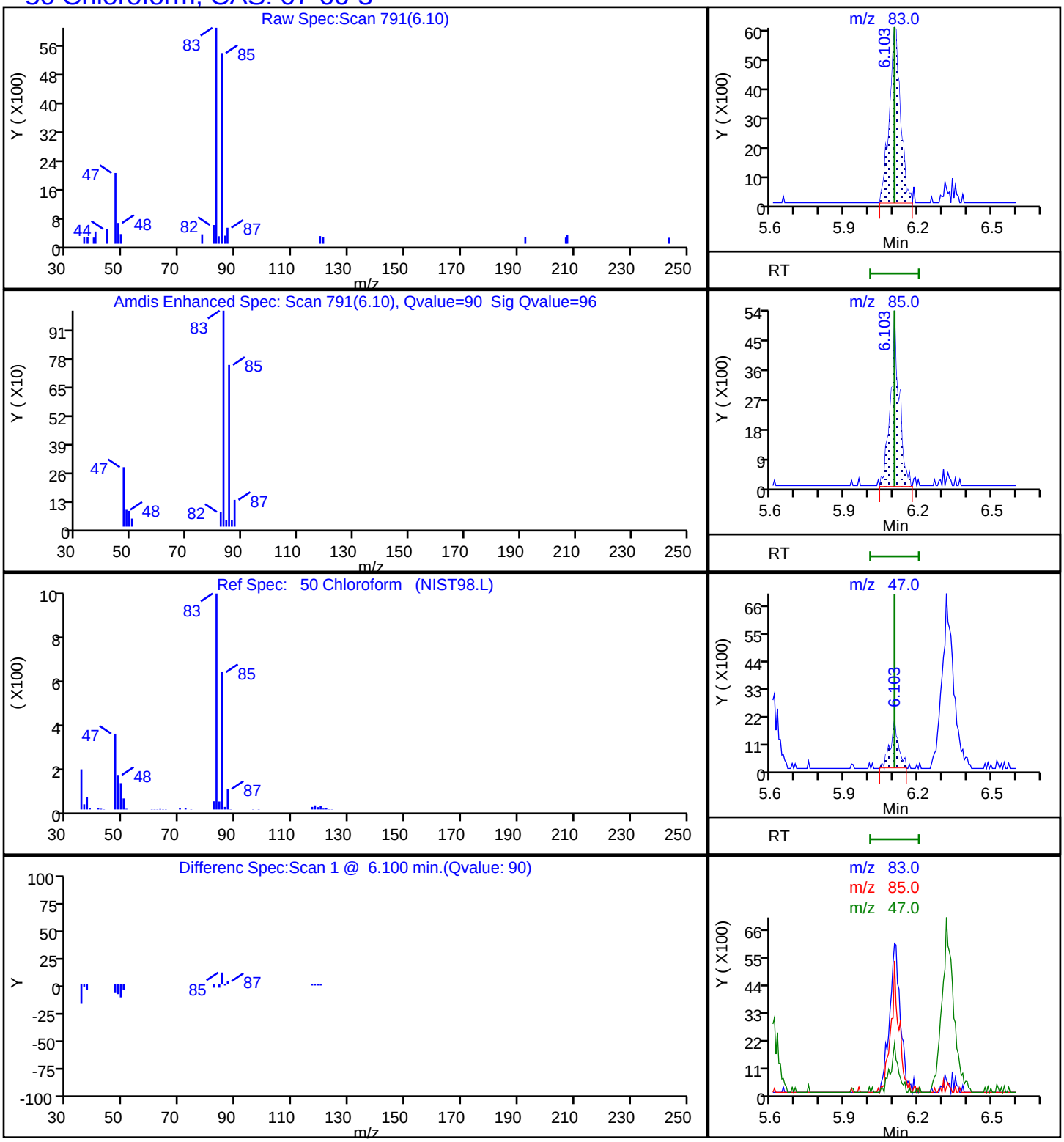
18 1,1-Dichloroethene, CAS: 75-35-4



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\10193\20241029-129145.b\CC29X38.D				
Injection Date:	29-Oct-2024 23:45:30	Instrument ID:	10193		
Lims ID:	410-193020-B-8	Lab Sample ID:	410-193020-8		
Client ID:	HD-COD-SW-17-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

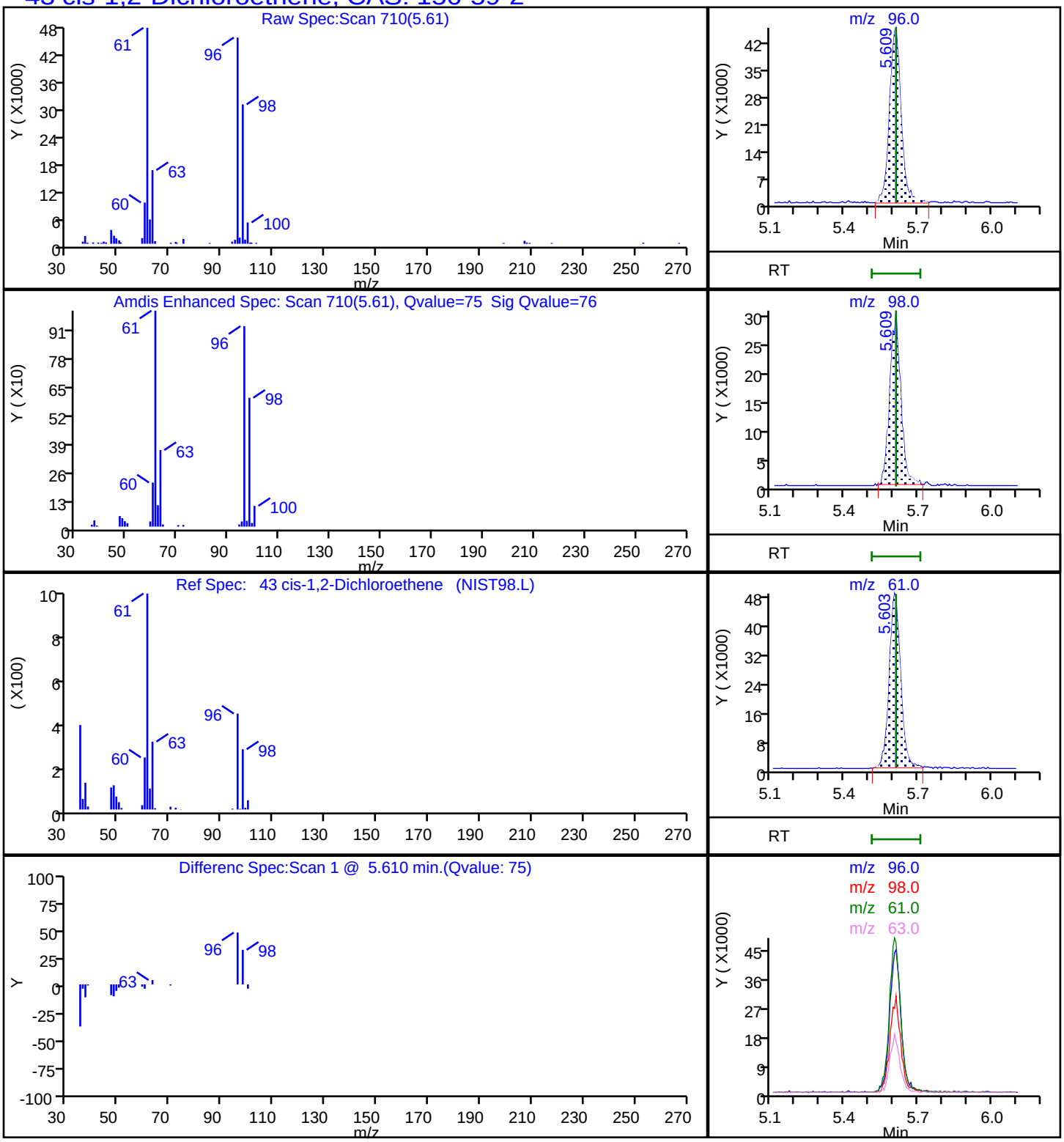
50 Chloroform, CAS: 67-66-3



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\10193\20241029-129145.b\CC29X38.D				
Injection Date:	29-Oct-2024 23:45:30	Instrument ID:	10193		
Lims ID:	410-193020-B-8	Lab Sample ID:	410-193020-8		
Client ID:	HD-COD-SW-17-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

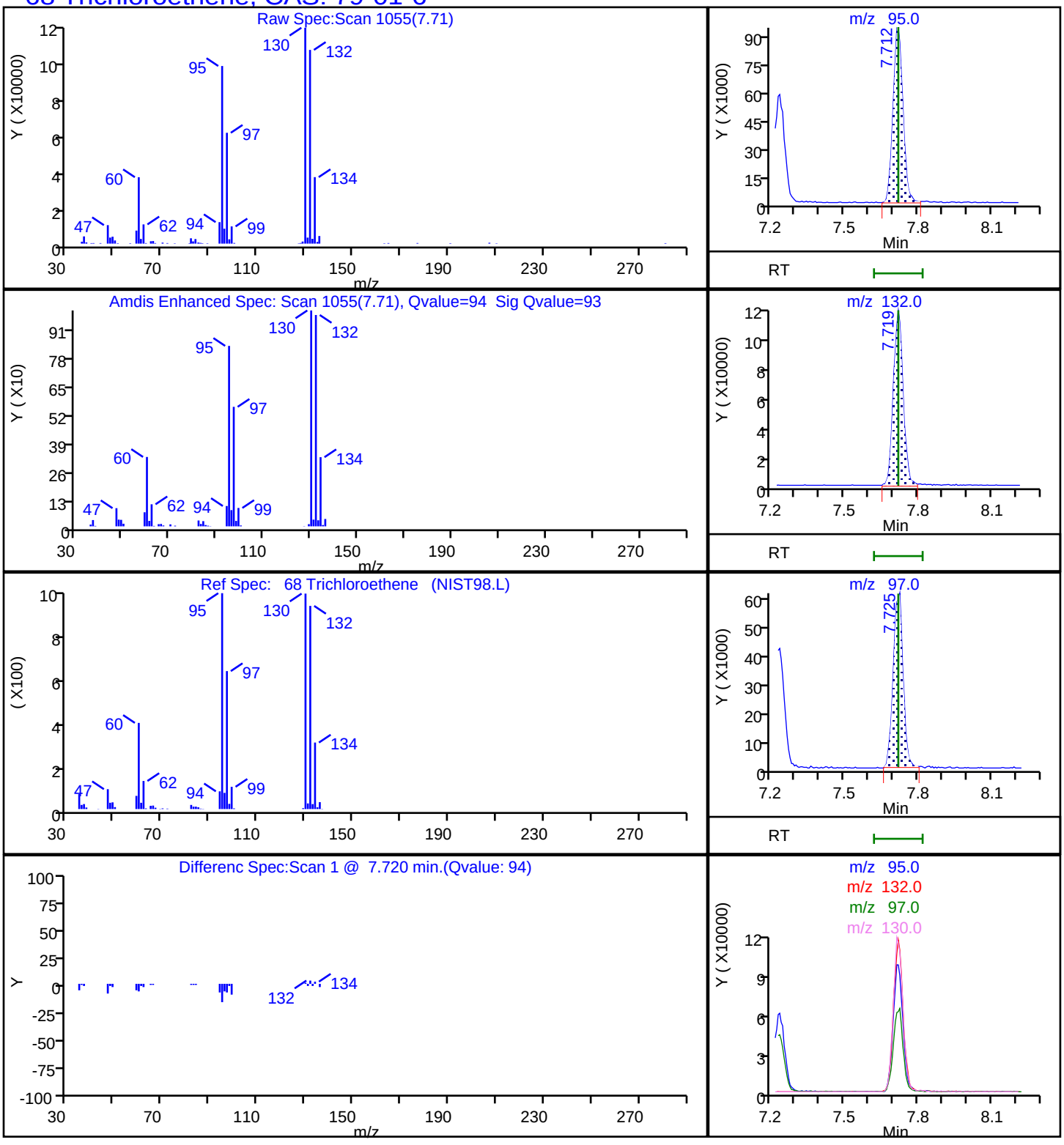
43 cis-1,2-Dichloroethene, CAS: 156-59-2



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\10193\20241029-129145.b\CC29X38.D				
Injection Date:	29-Oct-2024 23:45:30	Instrument ID:	10193		
Lims ID:	410-193020-B-8	Lab Sample ID:	410-193020-8		
Client ID:	HD-COD-SW-17-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

68 Trichloroethene, CAS: 79-01-6



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

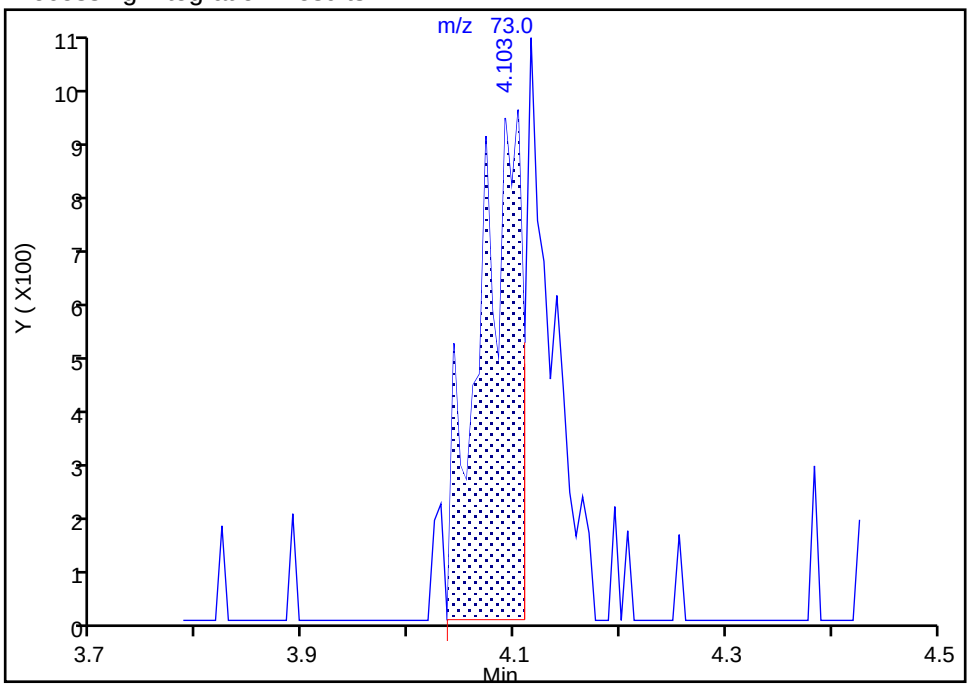
Data File:	\\chromfs\Lancaster\ChromData\10193\20241029-129145.b\CC29X38.D				
Injection Date:	29-Oct-2024 23:45:30	Instrument ID:	10193		
Lims ID:	410-193020-B-8	Lab Sample ID:	410-193020-8		
Client ID:	HD-COD-SW-17-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

34 Methyl tert-butyl ether, CAS: 1634-04-4

Signal: 1

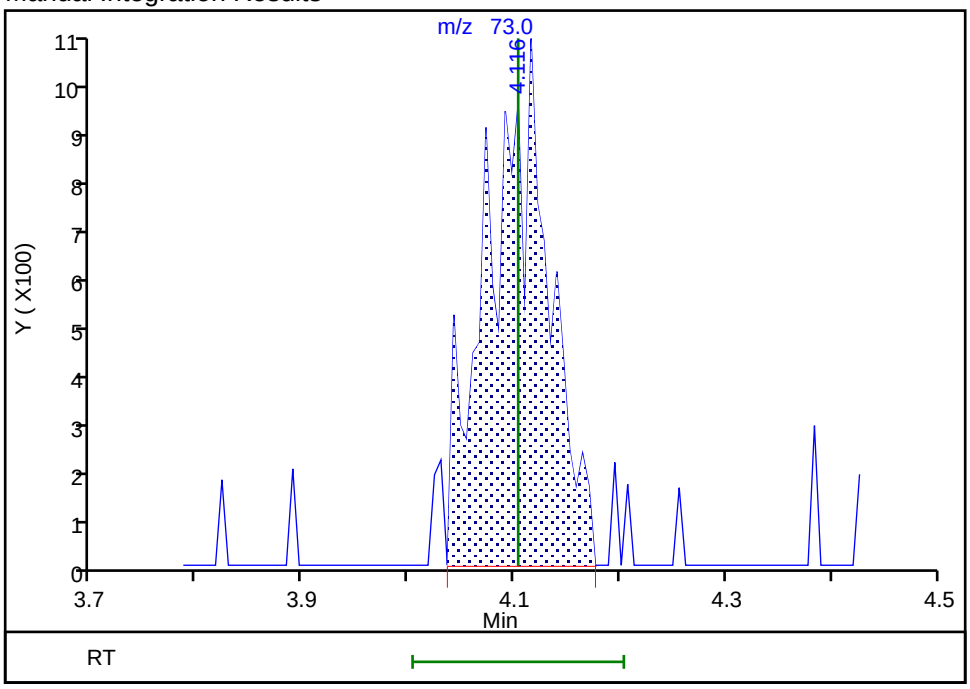
Processing Integration Results

RT: 4.10
Area: 2545
Amount: 0.019099
Amount Units: ug/l



Manual Integration Results

RT: 4.12
Area: 4251
Amount: 0.031902
Amount Units: ug/l



Reviewer: N9NA, 30-Oct-2024 11:10:26 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.: 410-193020-1

SDG No.:

Client Sample ID: HD-COD-SW-17-0/1-0 DL
Lab Sample ID: 410-193020-8 DL

Matrix: Water
Lab File ID: CC29X39.D

Analysis Method: 8260D
Date Collected: 10/18/2024 09:40

Sample wt/vol: 25(mL)
Date Analyzed: 10/30/2024 00:22

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.: 569172
Units: ug/L

Preparation Batch No.:
Instrument ID: 10193

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
127-18-4	Tetrachloroethene	130		5.0	2.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		80-120
460-00-4	4-Bromofluorobenzene (Surr)	89		80-120
1868-53-7	Dibromofluoromethane (Surr)	109		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\10193\20241029-129145.b\CC29X39.D
Lims ID: 410-193020-C-8 DL
Client ID: HD-COD-SW-17-0/1-0
Sample Type: Client
Inject. Date: 30-Oct-2024 00:22:30 ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 25.000 mL Dil. Factor: 10.0000
Sample Info: 410-0129145-010
Operator ID: gaw91131 Instrument ID: 10193

Method: \\chromfs\Lancaster\ChromData\10193\20241029-129145.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 30-Oct-2024 11:47:33 Calib Date: 15-Jun-2024 00:45:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1691

First Level Reviewer: N9NA Date: 30-Oct-2024 11:47:33

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50		1.957				ND	7
6 Vinyl chloride	62		2.061				ND	
9 Bromomethane	94		2.354				ND	7
10 Chloroethane	64		2.427				ND	
18 1,1-Dichloroethene	96	3.165	3.165	0.000	27	3934	0.0843	
20 Acetone	43		3.195				ND	7
25 Carbon disulfide	76		3.421				ND	7
30 Methylene Chloride	84		3.744				ND	
* 31 t-Butyl alcohol-d10 (IS)	65	3.768	3.756	0.012	98	140235	50.0	
34 Methyl tert-butyl ether	73		4.103				ND	7
35 trans-1,2-Dichloroethene	96		4.103				ND	
37 1,1-Dichloroethane	63	4.744	4.756	-0.012	92	12828	0.1341	
42 2-Butanone (MEK)	43		5.573				ND	7
43 cis-1,2-Dichloroethene	96	5.597	5.609	-0.012	81	13575	0.2170	
48 Chlorobromomethane	128		5.938				ND	
50 Chloroform	83		6.103				ND	7
$ 54 Dibromofluoromethane (Surr)	113	6.322	6.322	0.000	95	537052	10.9	
53 1,1,1-Trichloroethane	97	6.316	6.329	-0.013	42	75203	0.8883	
56 Carbon tetrachloride	117		6.542				ND	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.786	6.792	-0.006	96	108114	10.7	
60 Benzene	78		6.816				ND	
61 1,2-Dichloroethane	62		6.889				ND	7
* 65 Fluorobenzene (IS)	96	7.225	7.231	-0.006	100	2039588	10.0	
68 Trichloroethene	95	7.706	7.719	-0.013	91	27234	0.4349	Ma
70 1,2-Dichloropropane	63		8.060				ND	7
76 Dichlorobromomethane	83		8.420				ND	
80 cis-1,3-Dichloropropene	75		8.993				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.200				ND	7
$ 83 Toluene-d8 (Surr)	98	9.322	9.322	0.000	93	2069265	9.52	
84 Toluene	92		9.407				ND	7
85 trans-1,3-Dichloropropene	75		9.694				ND	7
87 1,1,2-Trichloroethane	97		9.913				ND	U

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
88 Tetrachloroethene	166	9.992	9.992	0.000	96	1076308	13.4	
106 2-Hexanone	43		10.157				ND	7
108 Chlorodibromomethane	129		10.303				ND	
110 Ethylene Dibromide	107		10.419				ND	
* 111 Chlorobenzene-d5 (IS)	117	10.876	10.876	0.000	83	1696533	10.0	
113 Chlorobenzene	112		10.901				ND	7
114 1,1,1,2-Tetrachloroethane	131		10.992				ND	
115 Ethylbenzene	91		10.998				ND	
116 m-Xylene & p-Xylene	106		11.120				ND	7
S 117 Xylenes, Total	106		11.245				ND	7
118 o-Xylene	106		11.462				ND	
119 Styrene	104		11.480				ND	7
120 Bromoform	173		11.632				ND	
$ 124 4-Bromofluorobenzene (Surr)	95	11.919	11.919	0.000	97	724302	8.86	
126 1,1,2,2-Tetrachloroethane	83		12.035				ND	
* 139 1,4-Dichlorobenzene-d4	152	12.821	12.821	0.000	92	955965	10.0	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
Review Flags
M - Manually Integrated
U - Marked Undetected
a - User Assigned ID

Reagents:

MSV_HP25_ISSS_00101 Amount Added: 1.00 Units: uL Run Reagent

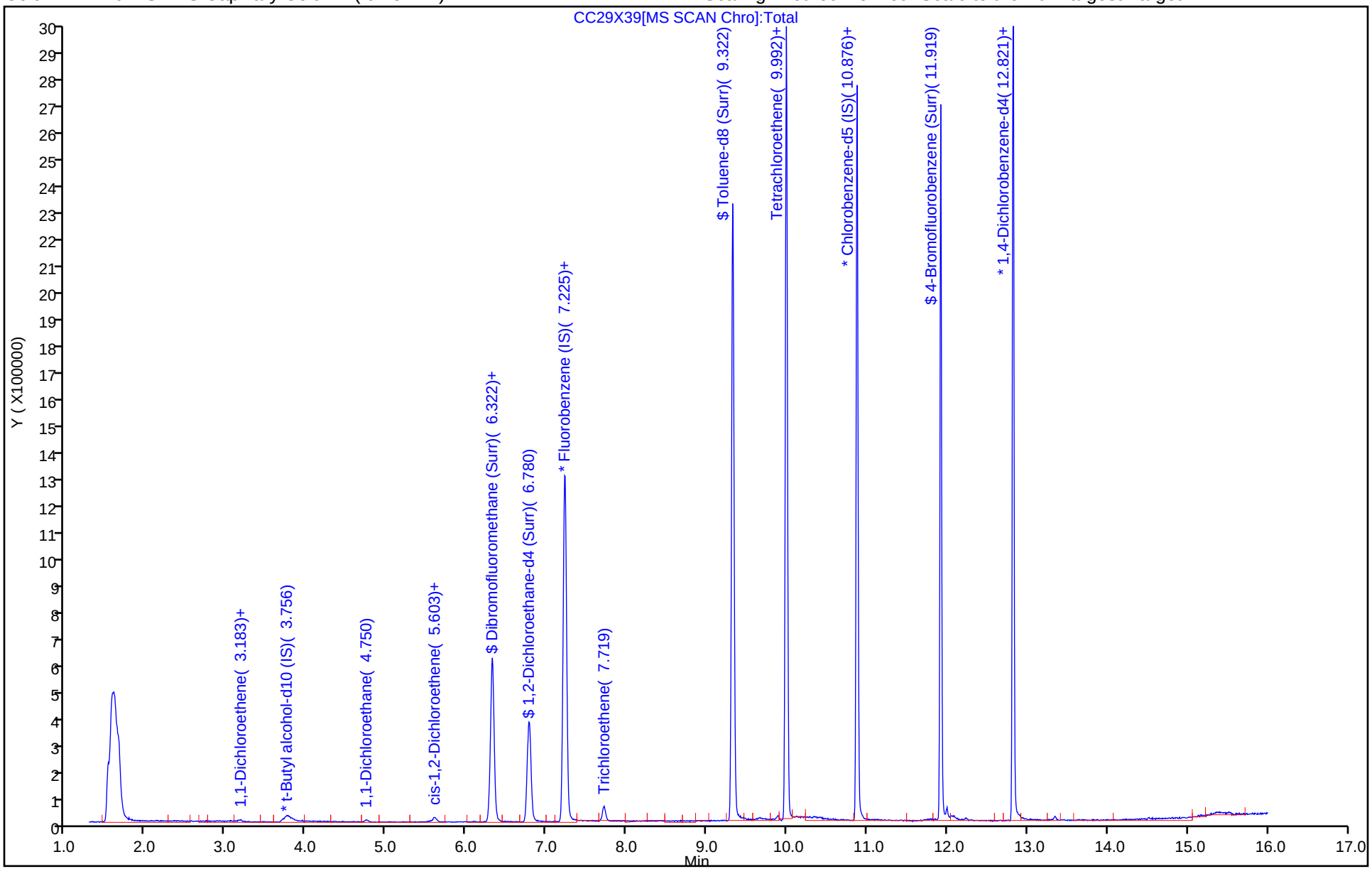
Report Date: 30-Oct-2024 11:47:33 Chrom Revision: 2.3 17-Oct-2024 11:42:22

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20241029-129145.b\CC29X39.D

Injection Date:	30-Oct-2024 00:22:30	Instrument ID:	10193	Operator ID:	gaw91131
Lims ID:	410-193020-C-8 DL	Lab Sample ID:	410-193020-8	Worklist Smp#:	10
Client ID:	HD-COD-SW-17-0/1-0				
Purge Vol:	25.000 mL	Dil. Factor:	10.0000	ALS Bottle#:	9
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\10193\20241029-129145.b\CC29X39.D
Lims ID: 410-193020-C-8 DL
Client ID: HD-COD-SW-17-0/1-0
Sample Type: Client
Inject. Date: 30-Oct-2024 00:22:30 ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 25.000 mL Dil. Factor: 10.0000
Sample Info: 410-0129145-010
Operator ID: gaw91131 Instrument ID: 10193

Method: \\chromfs\Lancaster\ChromData\10193\20241029-129145.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 30-Oct-2024 11:47:33 Calib Date: 15-Jun-2024 00:45:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1691

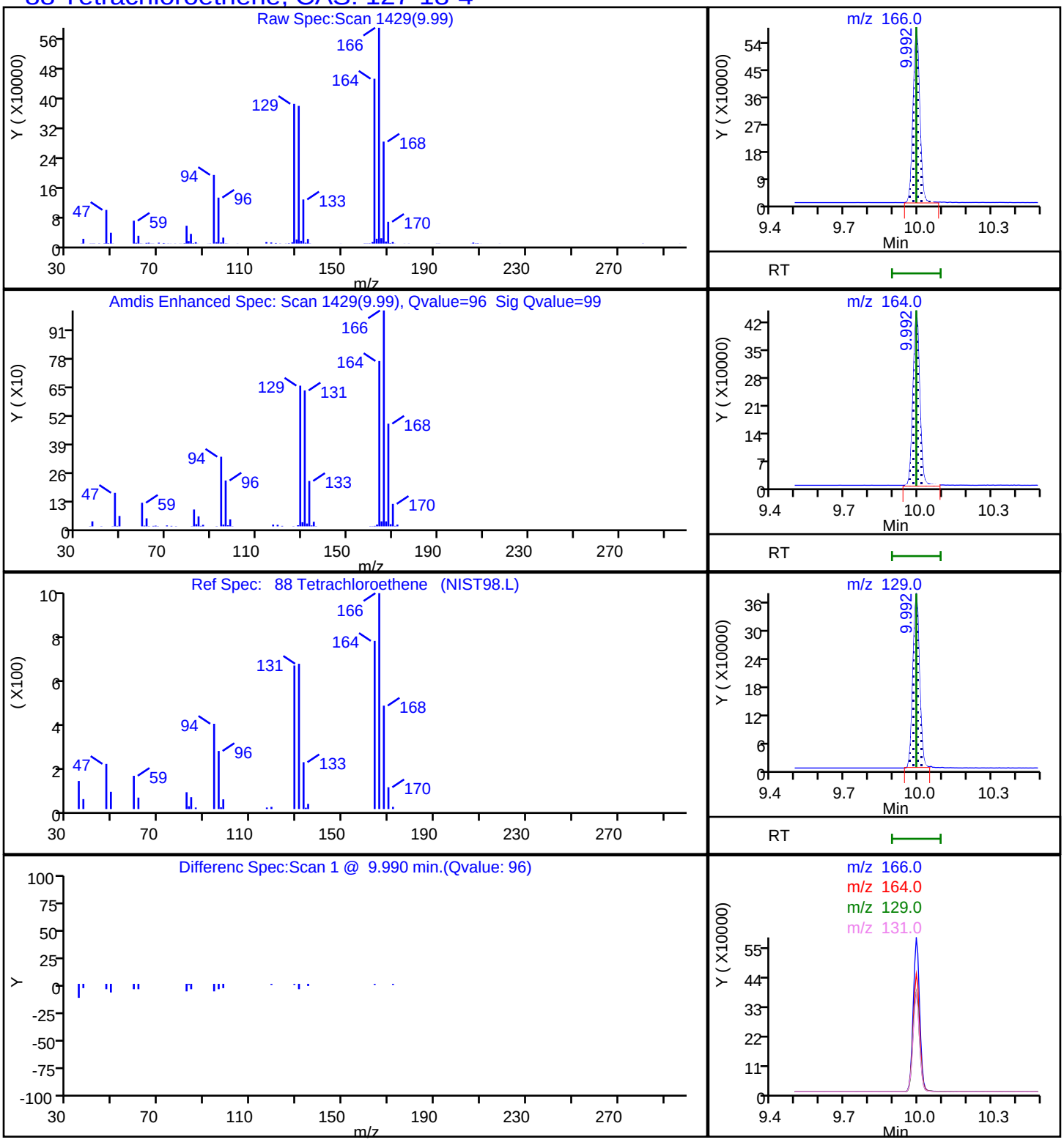
First Level Reviewer: N9NA Date: 30-Oct-2024 11:47:33

Compound	Amount Added	Amount Recovered	% Rec.
$ 54 Dibromofluoromethane (Surr)	10.0	10.9	108.73
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.7	106.99
$ 83 Toluene-d8 (Surr)	10.0	9.52	95.19
$ 124 4-Bromofluorobenzene (Surr)	10.0	8.86	88.64

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\10193\20241029-129145.b\CC29X39.D				
Injection Date:	30-Oct-2024 00:22:30	Instrument ID:	10193		
Lims ID:	410-193020-C-8 DL	Lab Sample ID:	410-193020-8		
Client ID:	HD-COD-SW-17-0/1-0				
Operator ID:	gaw91131	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	25.000 mL	Dil. Factor:	10.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

88 Tetrachloroethene, CAS: 127-18-4



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-193020-1

SDG No.:

Client Sample ID: HD-COD-SW-26-0/1-0
Lab Sample ID: 410-193020-9

Matrix: Water
Lab File ID: GC23X19.D

Analysis Method: 8260D
Date Collected: 10/18/2024 10:27

Sample wt/vol: 25(mL)
Date Analyzed: 10/23/2024 16:14

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 566703
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	0.15	J	0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	ND		0.50	0.080
107-06-2	1,2-Dichloroethane	ND		0.50	0.070
78-87-5	1,2-Dichloropropane	ND		0.50	0.10
78-93-3	2-Butanone (MEK)	ND		5.0	1.0
591-78-6	2-Hexanone	ND		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	ND		5.0	1.5
71-43-2	Benzene	ND		0.50	0.10
74-97-5	Bromochloromethane	ND		0.50	0.080
75-27-4	Bromodichloromethane	ND		0.50	0.080
75-25-2	Bromoform	ND		1.0	0.30
74-83-9	Bromomethane	ND		0.50	0.10
75-15-0	Carbon disulfide	ND		1.0	0.10
56-23-5	Carbon tetrachloride	ND		0.50	0.10
108-90-7	Chlorobenzene	ND		0.50	0.070
75-00-3	Chloroethane	ND		0.50	0.10
67-66-3	Chloroform	0.84		0.50	0.090
74-87-3	Chloromethane	ND		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	0.098	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	4.0		0.50	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-193020-1

SDG No.:

Client Sample ID: HD-COD-SW-26-0/1-0
Lab Sample ID: 410-193020-9

Matrix: Water
Lab File ID: GC23X19.D

Analysis Method: 8260D
Date Collected: 10/18/2024 10:27

Sample wt/vol: 25(mL)
Date Analyzed: 10/23/2024 16:14

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 566703
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)	95		80-120
460-00-4	4-Bromofluorobenzene (Surr)	99		80-120
1868-53-7	Dibromofluoromethane (Surr)	100		80-120
2037-26-5	Toluene-d8 (Surr)	103		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X19.D
Lims ID: 410-193020-A-9
Client ID: HD-COD-SW-26-0/1-0
Sample Type: Client
Inject. Date: 23-Oct-2024 16:14:30 ALS Bottle#: 19 Worklist Smp#: 20
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0128543-020
Operator ID: ecr105096 Instrument ID: 16334

Method: \\chromfs\Lancaster\ChromData\16334\20241023-128543.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 24-Oct-2024 08:33:32 Calib Date: 26-Aug-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\16334\20240826-123245.b\GG26X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1694

First Level Reviewer: FQ4L Date: 24-Oct-2024 08:33:32

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50	2.020	2.032	-0.012	98	5196	0.0876	
6 Vinyl chloride	62		2.136				ND	7
9 Bromomethane	94		2.453				ND	
10 Chloroethane	64		2.495				ND	7
18 1,1-Dichloroethene	96	3.288	3.288	0.000	96	6052	0.1524	
19 Acetone	43		3.324				ND	
24 Carbon disulfide	76		3.562				ND	7
29 Methylene Chloride	84		3.897				ND	
* 30 t-Butyl alcohol-d10 (IS)	65	3.928	3.934	-0.006	21	59040	50.0	
33 Methyl tert-butyl ether	73		4.275				ND	
34 trans-1,2-Dichloroethene	96		4.275				ND	
37 1,1-Dichloroethane	63		4.934				ND	
41 2-Butanone (MEK)	43		5.769				ND	
42 cis-1,2-Dichloroethene	96	5.793	5.781	0.012	9	5040	0.0984	M
49 Chlorobromomethane	128		6.110				ND	
51 Chloroform	83	6.263	6.269	-0.006	94	68819	0.8438	
$ 52 Dibromofluoromethane (Surr)	113	6.482	6.482	0.000	93	549653	9.98	
53 1,1,1-Trichloroethane	97		6.501				ND	
55 Carbon tetrachloride	117		6.708				ND	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.933	6.940	-0.007	65	97442	9.52	
60 Benzene	78	6.976	6.976	0.000	45	7044	0.0380	M
61 1,2-Dichloroethane	62		7.043				ND	
* 64 Fluorobenzene (IS)	96	7.379	7.385	-0.007	99	2299088	10.0	
68 Trichloroethene	95	7.872	7.866	0.006	96	8794	0.1737	a
70 1,2-Dichloropropane	63		8.195				ND	
76 Dichlorobromomethane	83		8.549				ND	7
81 cis-1,3-Dichloropropene	75		9.110				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.305				ND	7
$ 83 Toluene-d8 (Surr)	98	9.433	9.433	0.000	94	2254165	10.3	
84 Toluene	92		9.512				ND	7
85 trans-1,3-Dichloropropene	75		9.787				ND	
107 1,1,2-Trichloroethane	97		9.994				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
108 Tetrachloroethene	166	10.085	10.085	0.000	95	229327	4.00	
110 2-Hexanone	43		10.232				ND	
112 Chlorodibromomethane	129		10.378				ND	
113 Ethylene Dibromide	107		10.488				ND	
* 114 Chlorobenzene-d5 (IS)	117	10.933	10.933	0.000	86	1680227	10.0	
116 Chlorobenzene	112		10.957				ND	
117 1,1,1,2-Tetrachloroethane	131		11.042				ND	
118 Ethylbenzene	91		11.049				ND	
120 m-Xylene & p-Xylene	106		11.164				ND	7
S 119 Xylenes, Total	106		11.245				ND	7
121 o-Xylene	106		11.500				ND	
122 Styrene	104		11.518				ND	
123 Bromoform	173		11.670				ND	
$ 127 4-Bromofluorobenzene (Surr)	95	11.945	11.945	0.000	90	767372	9.93	
128 1,1,2,2-Tetrachloroethane	83		12.048				ND	
* 142 1,4-Dichlorobenzene-d4	152	12.823	12.823	0.000	95	912098	10.0	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

MSV_HP25_ISSS_00101 Amount Added: 1.00 Units: uL Run Reagent

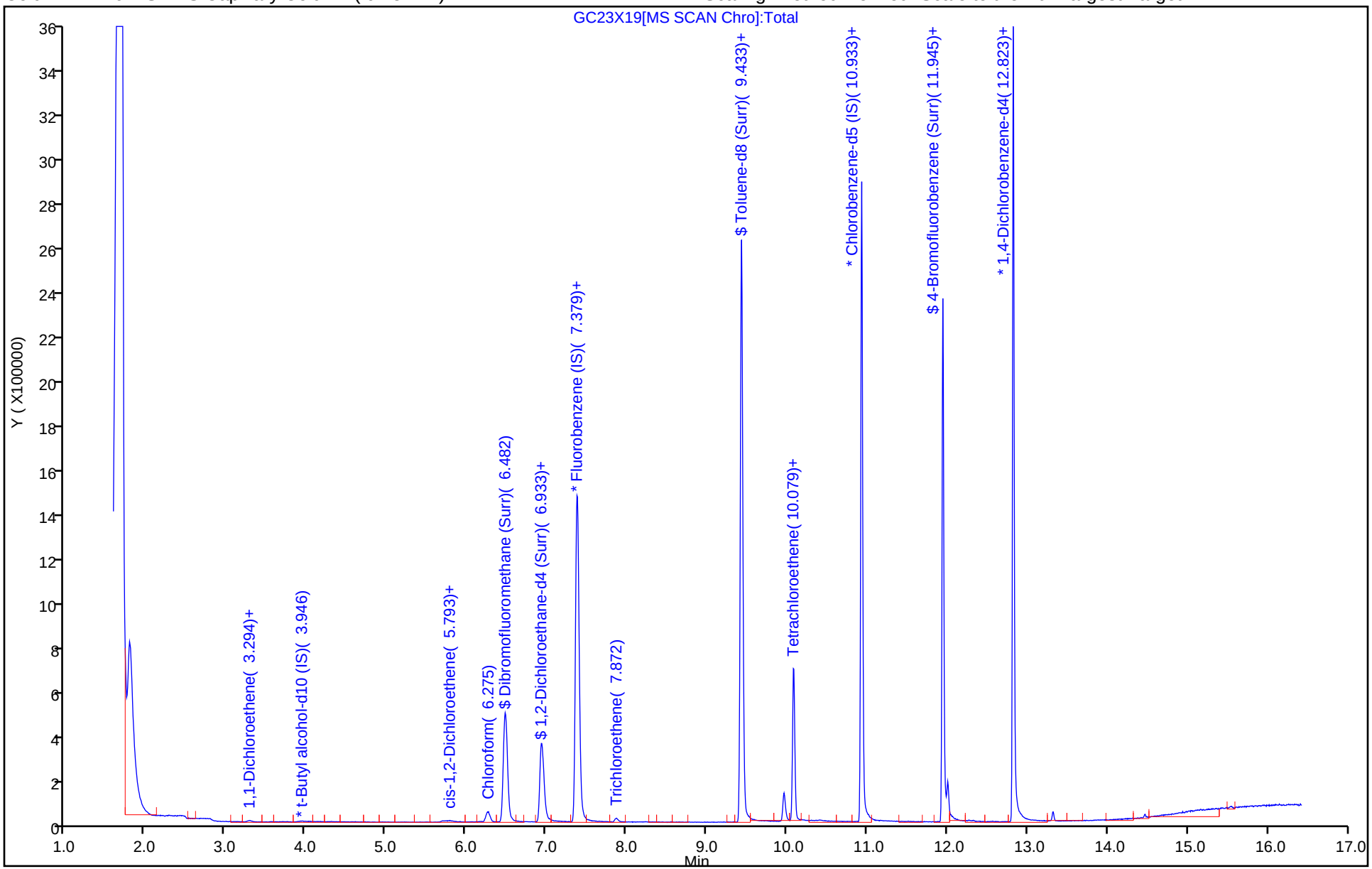
Report Date: 24-Oct-2024 08:33:33 Chrom Revision: 2.3 17-Oct-2024 11:42:22

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X19.D

Injection Date:	23-Oct-2024 16:14:30	Instrument ID:	16334	Operator ID:	ecr105096
Lims ID:	410-193020-A-9	Lab Sample ID:	410-193020-9	Worklist Smp#:	20
Client ID:	HD-COD-SW-26-0/1-0				
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	19
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X19.D				
Lims ID:	410-193020-A-9				
Client ID:	HD-COD-SW-26-0/1-0				
Sample Type:	Client				
Inject. Date:	23-Oct-2024 16:14:30	ALS Bottle#:	19	Worklist Smp#:	20
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0128543-020				
Operator ID:	ecr105096	Instrument ID:	16334		
Method:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\MSV_16334_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	24-Oct-2024 08:33:32	Calib Date:	26-Aug-2024 17:02:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\16334\20240826-123245.b\GG26X08.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1694				

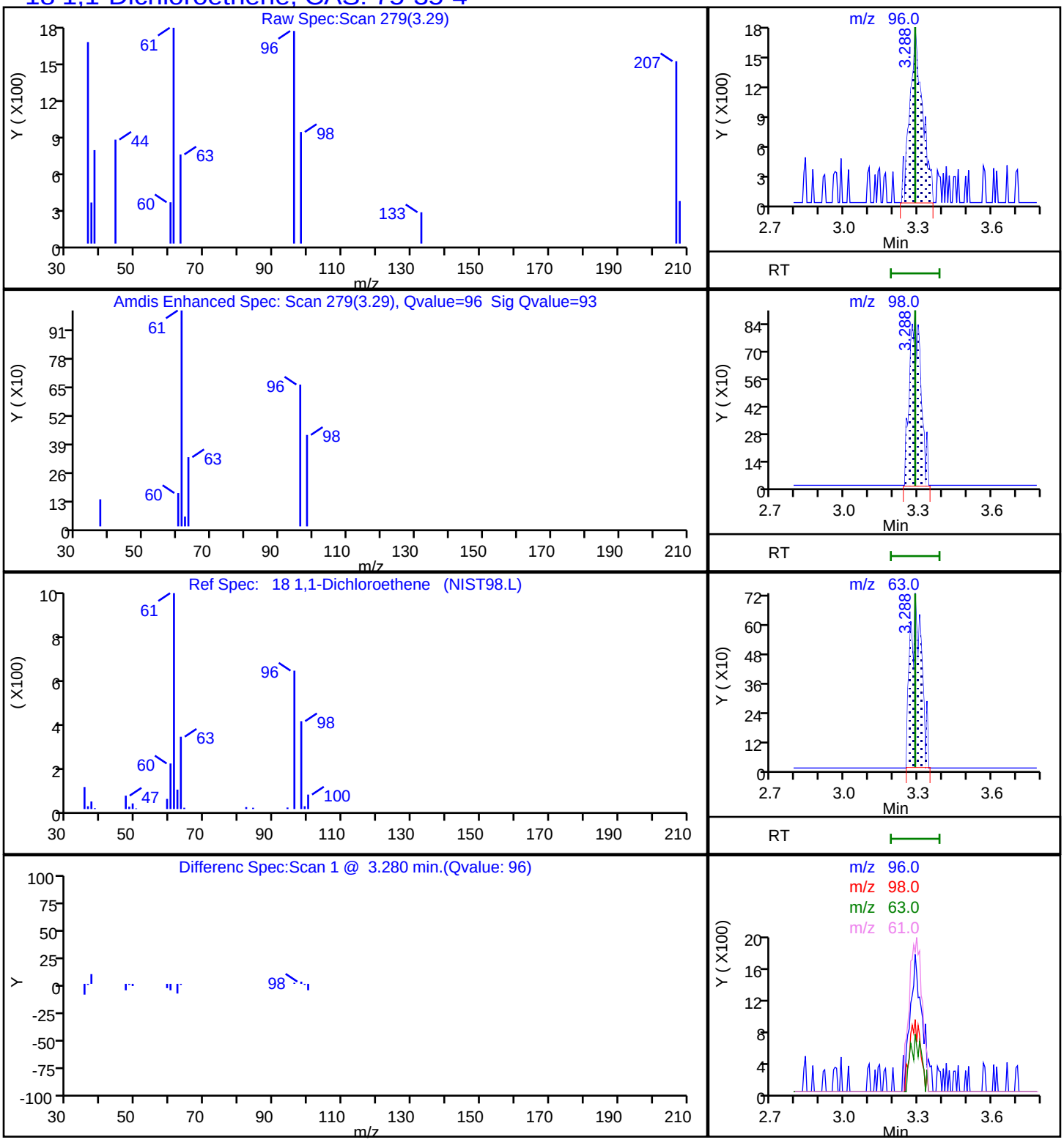
First Level Reviewer: FQ4L Date: 24-Oct-2024 08:33:32

Compound	Amount Added	Amount Recovered	% Rec.
$ 52 Dibromofluoromethane (Surr)	10.0	9.98	99.78
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	9.52	95.21
$ 83 Toluene-d8 (Surr)	10.0	10.3	102.51
$ 127 4-Bromofluorobenzene (Surr)	10.0	9.93	99.31

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X19.D				
Injection Date:	23-Oct-2024 16:14:30	Instrument ID:	16334		
Lims ID:	410-193020-A-9	Lab Sample ID:	410-193020-9		
Client ID:	HD-COD-SW-26-0/1-0				
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)	Detector	MS Quad		

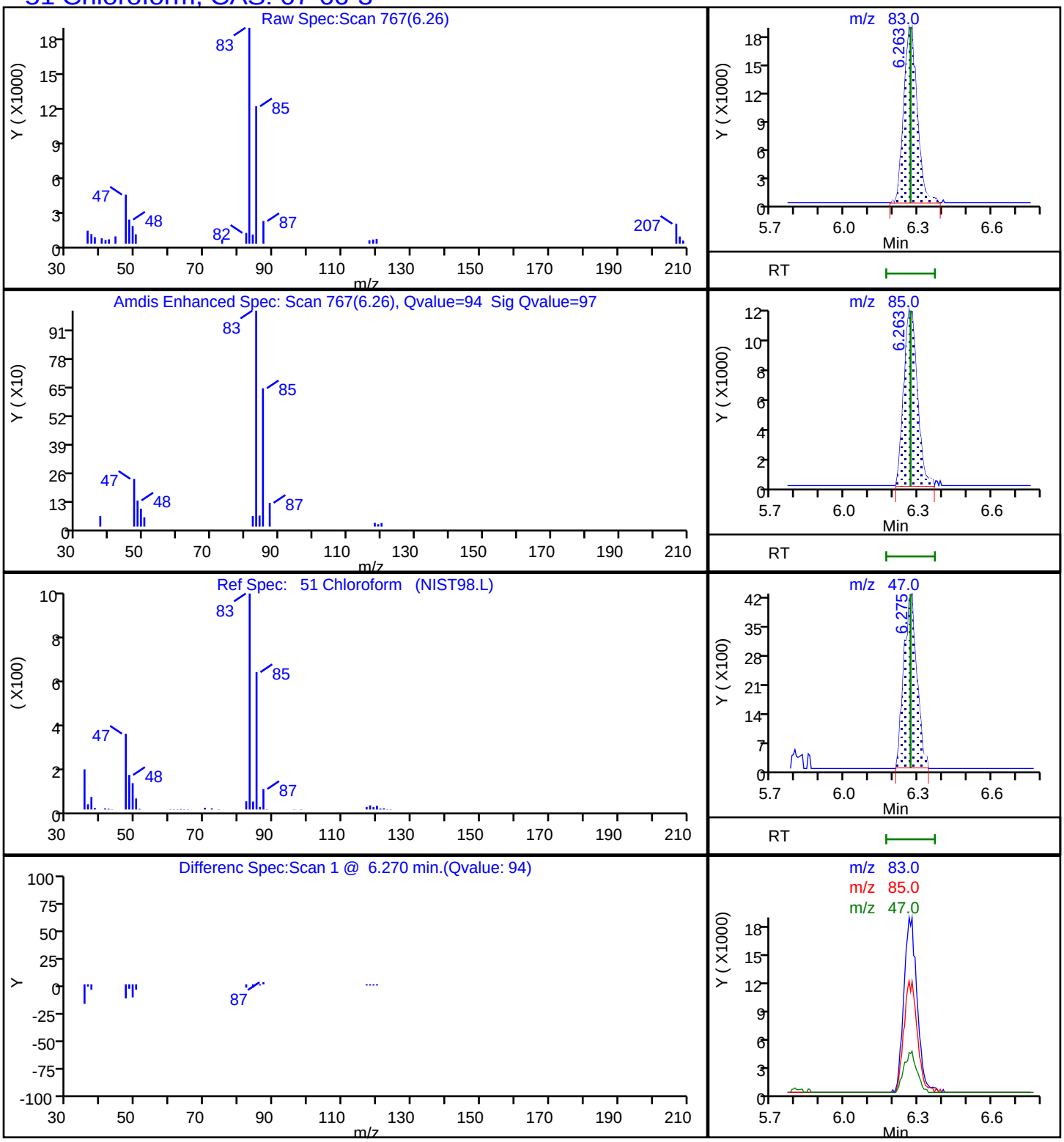
18 1,1-Dichloroethene, CAS: 75-35-4



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X19.D				
Injection Date:	23-Oct-2024 16:14:30	Instrument ID:	16334		
Lims ID:	410-193020-A-9	Lab Sample ID:	410-193020-9		
Client ID:	HD-COD-SW-26-0/1-0				
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)	Detector	MS Quad		

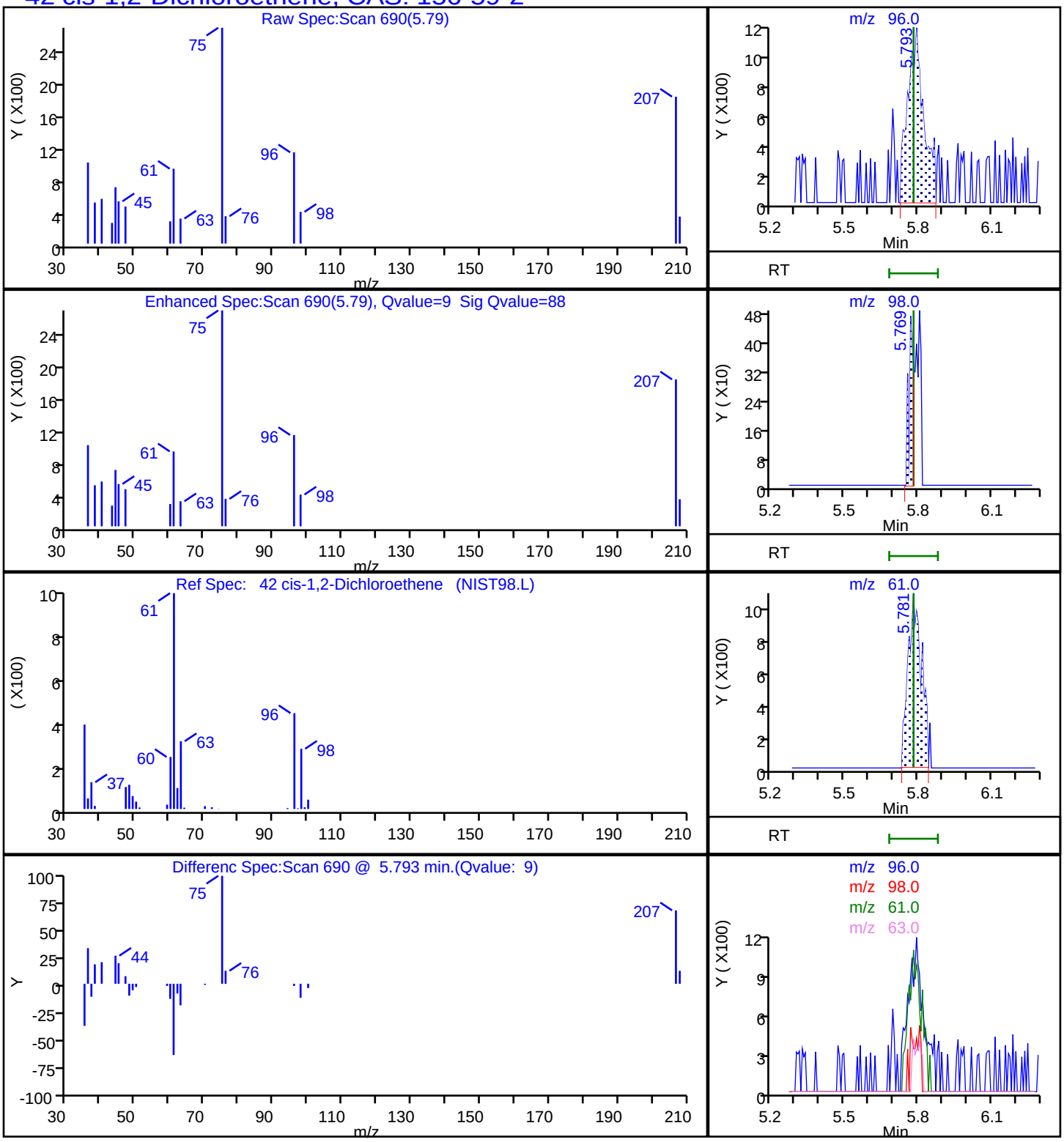
51 Chloroform, CAS: 67-66-3



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X19.D				
Injection Date:	23-Oct-2024 16:14:30	Instrument ID:	16334		
Lims ID:	410-193020-A-9	Lab Sample ID:	410-193020-9		
Client ID:	HD-COD-SW-26-0/1-0				
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 (0.25 mm)	Detector	MS Quad		

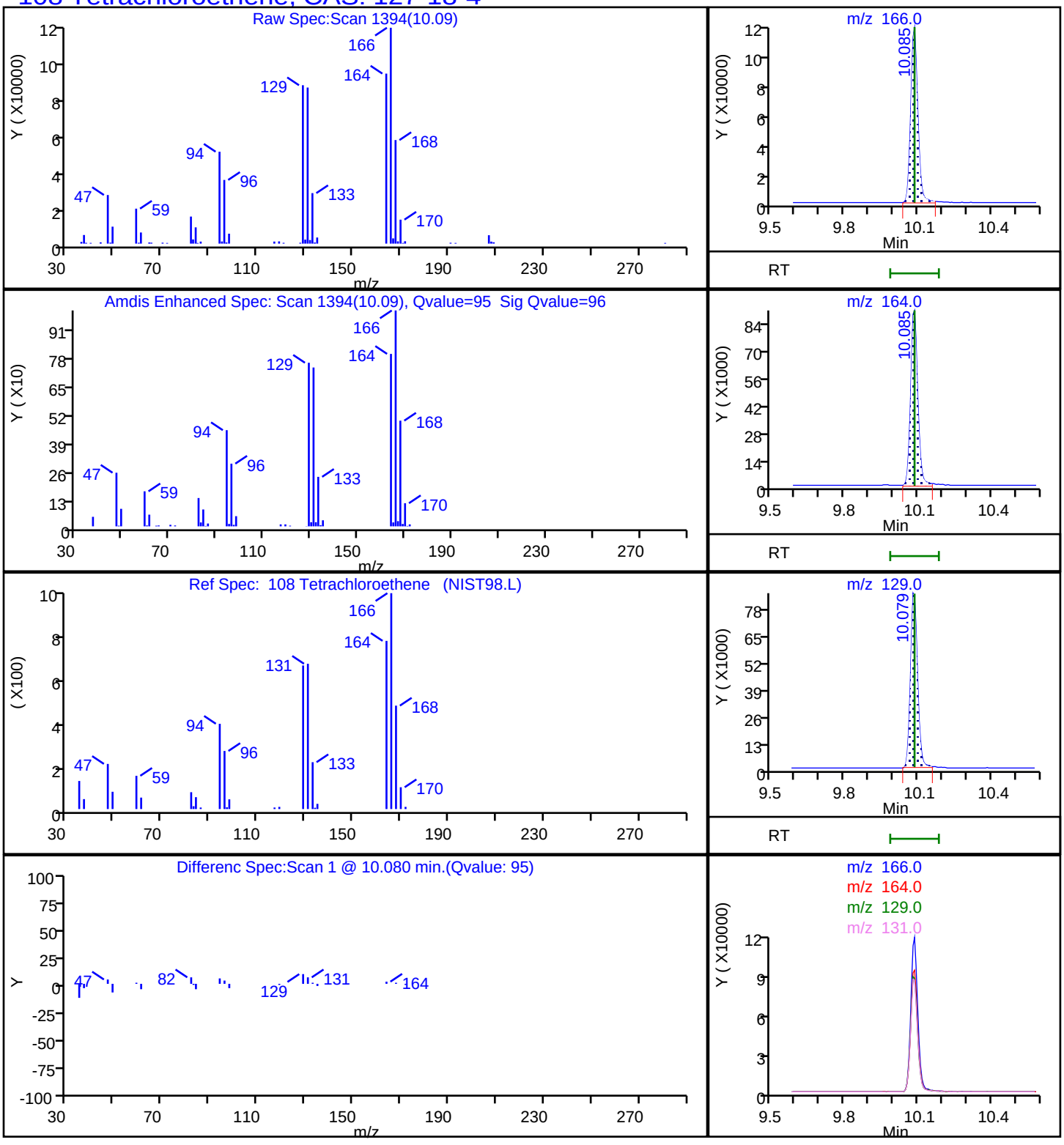
42 cis-1,2-Dichloroethene, CAS: 156-59-2



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X19.D				
Injection Date:	23-Oct-2024 16:14:30	Instrument ID:	16334		
Lims ID:	410-193020-A-9	Lab Sample ID:	410-193020-9		
Client ID:	HD-COD-SW-26-0/1-0				
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)	Detector	MS Quad		

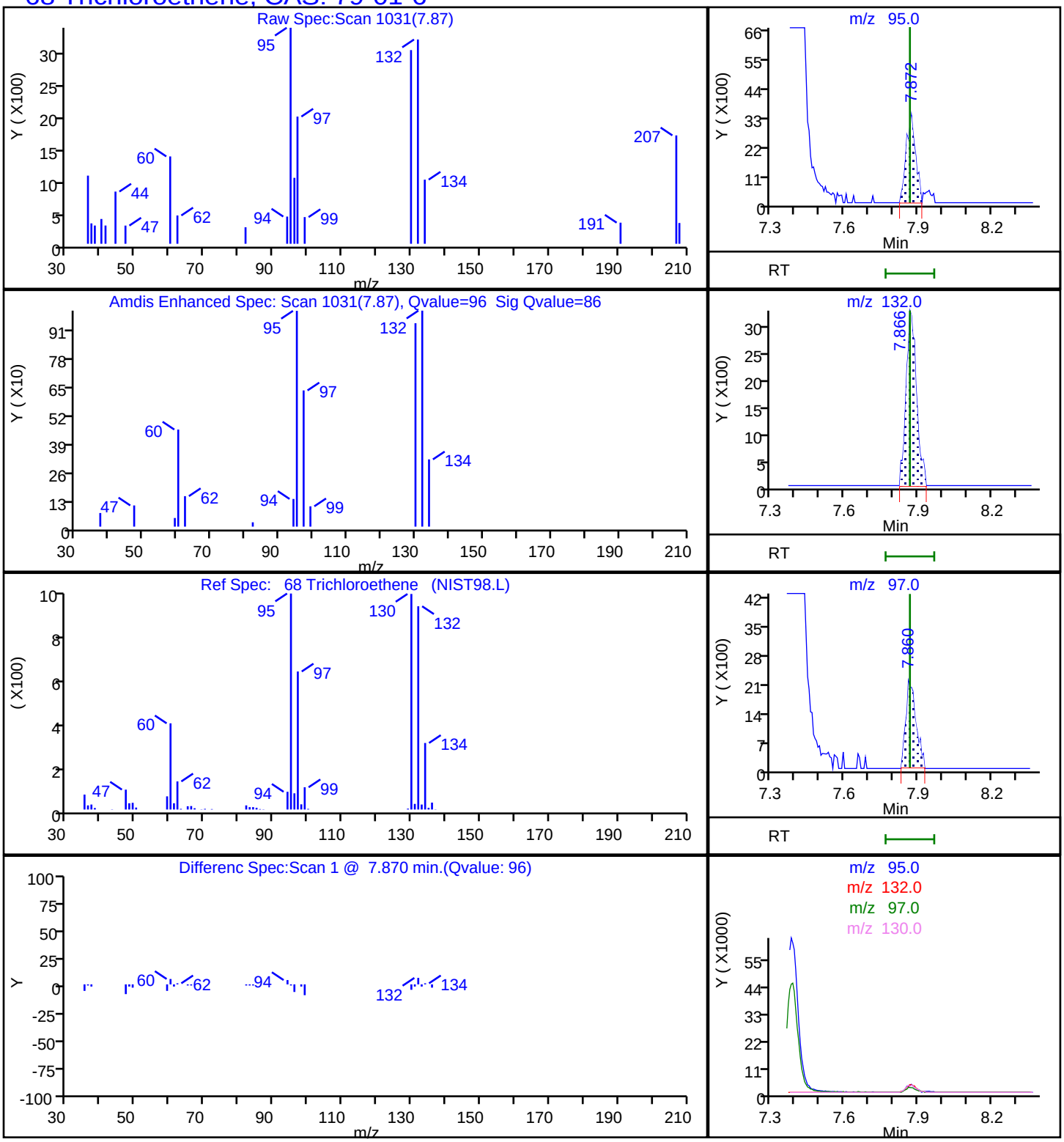
108 Tetrachloroethene, CAS: 127-18-4



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X19.D				
Injection Date:	23-Oct-2024 16:14:30	Instrument ID:	16334		
Lims ID:	410-193020-A-9	Lab Sample ID:	410-193020-9		
Client ID:	HD-COD-SW-26-0/1-0				
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 (0.25 mm)	Detector	MS Quad		

68 Trichloroethene, CAS: 79-01-6



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

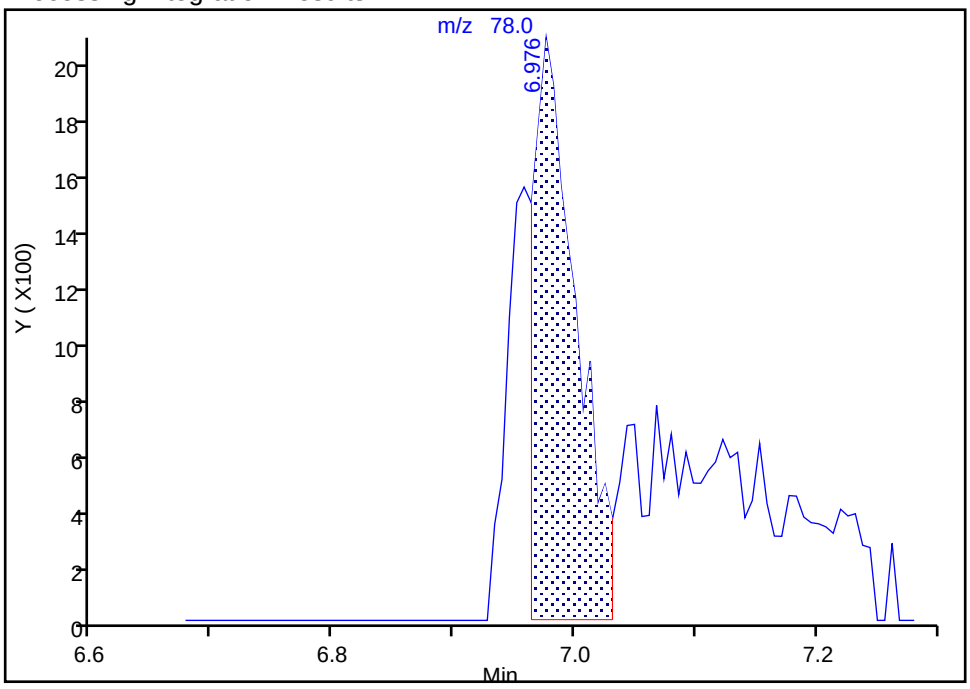
Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X19.D				
Injection Date:	23-Oct-2024 16:14:30	Instrument ID:	16334		
Lims ID:	410-193020-A-9	Lab Sample ID:	410-193020-9		
Client ID:	HD-COD-SW-26-0/1-0				
Operator ID:	ecr105096	ALS Bottle#:	19	Worklist Smp#:	20
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

60 Benzene, CAS: 71-43-2

Signal: 1

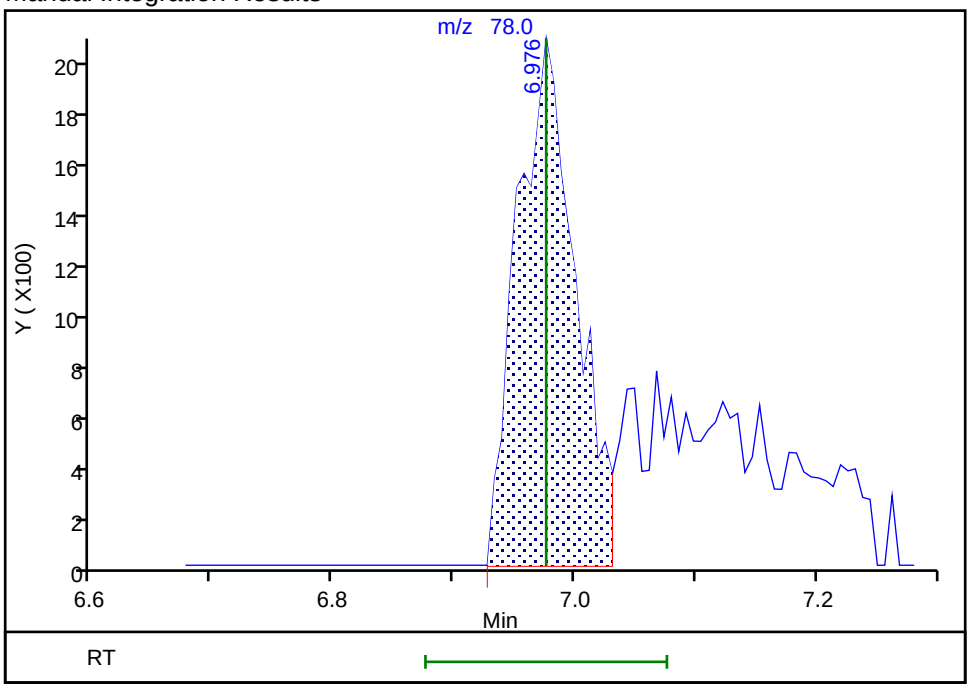
Processing Integration Results

RT: 6.98
Area: 5221
Amount: 0.028202
Amount Units: ug/l



Manual Integration Results

RT: 6.98
Area: 7044
Amount: 0.038049
Amount Units: ug/l



Reviewer: FQ4L, 24-Oct-2024 08:33:15 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

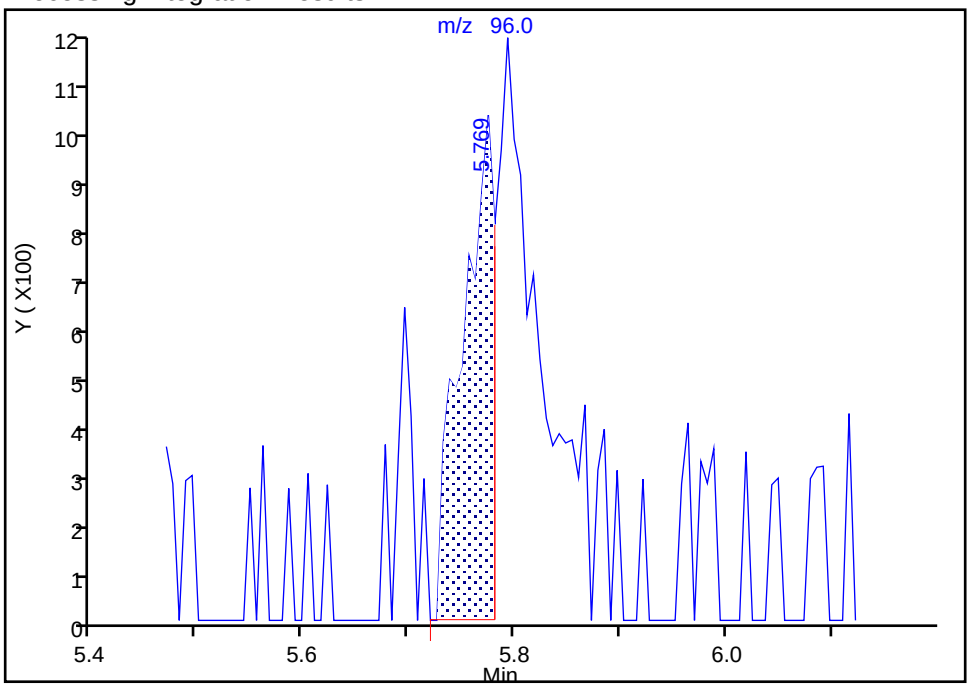
Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X19.D				
Injection Date:	23-Oct-2024 16:14:30	Instrument ID:	16334		
Lims ID:	410-193020-A-9	Lab Sample ID:	410-193020-9		
Client ID:	HD-COD-SW-26-0/1-0				
Operator ID:	ecr105096	ALS Bottle#:	19	Worklist Smp#:	20
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

42 cis-1,2-Dichloroethene, CAS: 156-59-2

Signal: 1

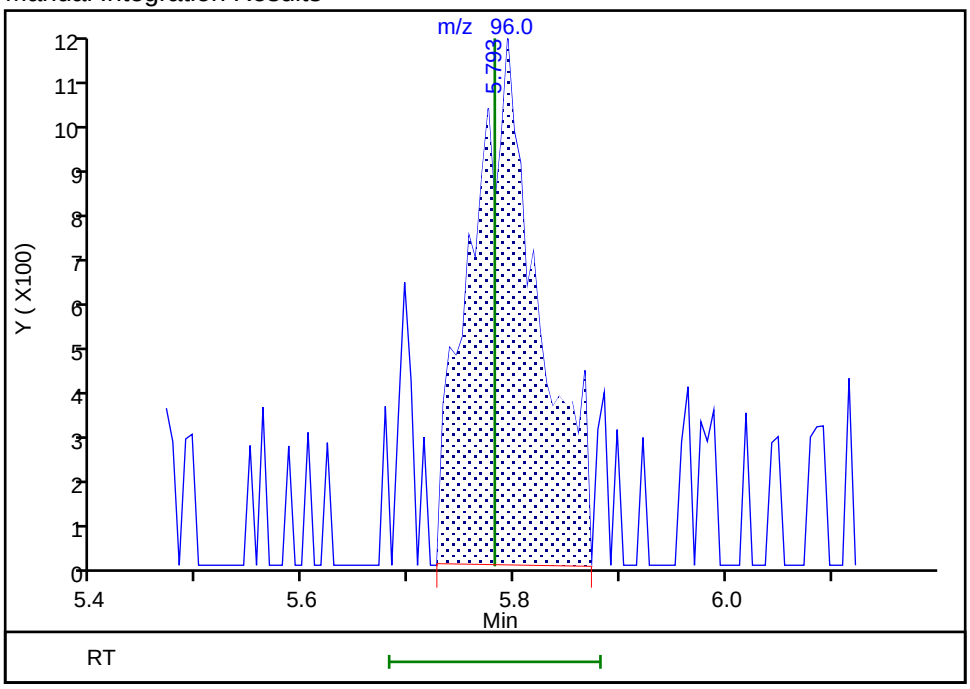
Processing Integration Results

RT: 5.77
Area: 2085
Amount: 0.040690
Amount Units: ug/l



Manual Integration Results

RT: 5.79
Area: 5040
Amount: 0.098360
Amount Units: ug/l



Reviewer: FQ4L, 24-Oct-2024 08:32:56 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

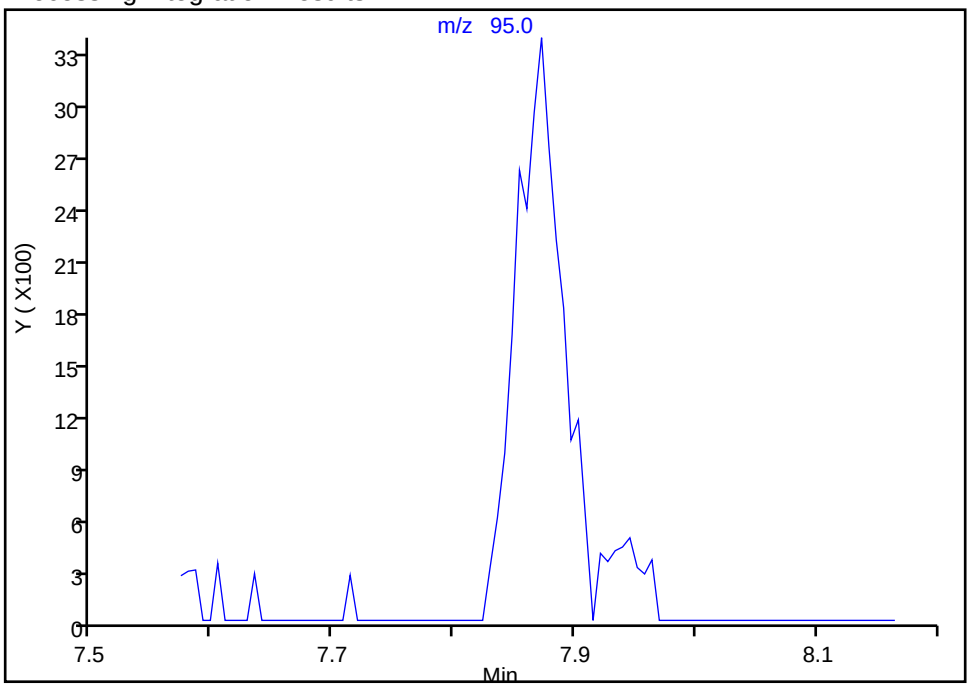
Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X19.D				
Injection Date:	23-Oct-2024 16:14:30	Instrument ID:	16334		
Lims ID:	410-193020-A-9	Lab Sample ID:	410-193020-9		
Client ID:	HD-COD-SW-26-0/1-0				
Operator ID:	ecr105096	ALS Bottle#:	19	Worklist Smp#:	20
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

68 Trichloroethene, CAS: 79-01-6

Signal: 1

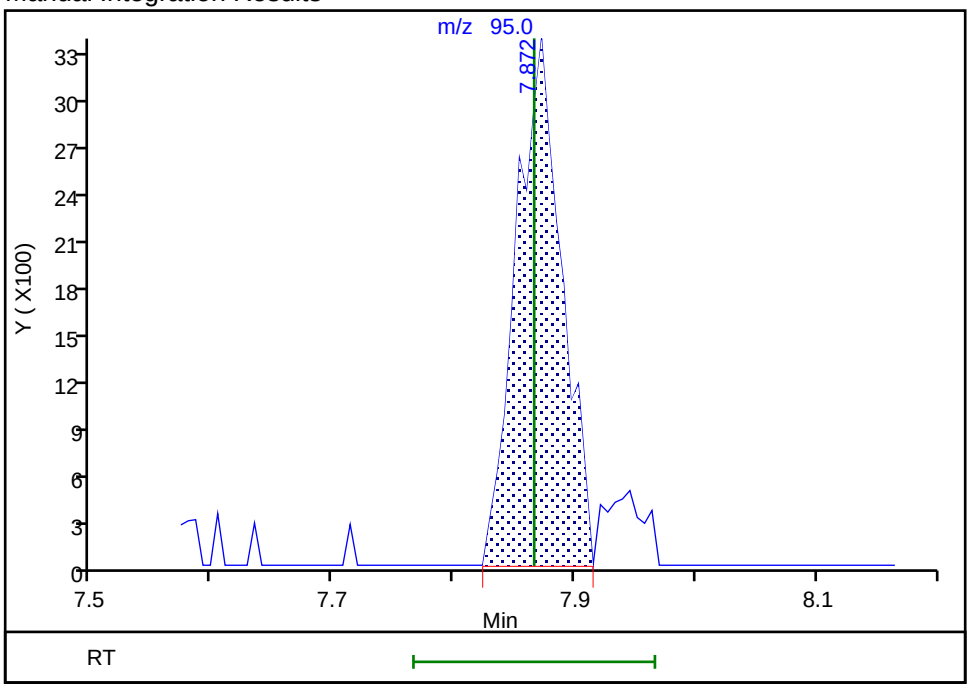
Not Detected
Expected RT: 7.87

Processing Integration Results



Manual Integration Results

RT: 7.87
Area: 8794
Amount: 0.173736
Amount Units: ug/l



Reviewer: FQ4L, 24-Oct-2024 08:33:21 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.: 410-193020-1

SDG No.:

Client Sample ID: HD-COD-SW-27-0/1-0
Lab Sample ID: 410-193020-10

Matrix: Water
Lab File ID: GC23X20.D

Analysis Method: 8260D
Date Collected: 10/18/2024 11:00

Sample wt/vol: 25(mL)
Date Analyzed: 10/23/2024 16:36

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 566703
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	cn	0.50	0.070
71-55-6	1,1,1-Trichloroethane	ND	cn	0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	ND	cn	0.50	0.10
79-00-5	1,1,2-Trichloroethane	ND	cn	0.50	0.080
75-34-3	1,1-Dichloroethane	ND	cn	0.50	0.10
75-35-4	1,1-Dichloroethene	ND	cn	0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	ND	cn	0.50	0.080
107-06-2	1,2-Dichloroethane	ND	cn	0.50	0.070
78-87-5	1,2-Dichloropropane	ND	cn	0.50	0.10
78-93-3	2-Butanone (MEK)	ND	*3 cn	5.0	1.0
591-78-6	2-Hexanone	ND	*3 cn	5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	*3 cn	5.0	1.0
67-64-1	Acetone	2.4	J *3 cn	5.0	1.5
71-43-2	Benzene	ND	cn	0.50	0.10
74-97-5	Bromochloromethane	ND	cn	0.50	0.080
75-27-4	Bromodichloromethane	ND	cn	0.50	0.080
75-25-2	Bromoform	ND	cn	1.0	0.30
74-83-9	Bromomethane	ND	cn	0.50	0.10
75-15-0	Carbon disulfide	0.12	J cn	1.0	0.10
56-23-5	Carbon tetrachloride	ND	cn	0.50	0.10
108-90-7	Chlorobenzene	ND	cn	0.50	0.070
75-00-3	Chloroethane	ND	cn	0.50	0.10
67-66-3	Chloroform	0.27	J cn	0.50	0.090
74-87-3	Chloromethane	0.12	J cn	0.50	0.10
156-59-2	cis-1,2-Dichloroethene	0.15	J cn	0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND	cn	0.50	0.10
124-48-1	Dibromochloromethane	ND	cn	0.50	0.080
100-41-4	Ethylbenzene	ND	cn	0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND	cn	0.50	0.080
75-09-2	Methylene Chloride	ND	cn	0.50	0.20
100-42-5	Styrene	ND	cn	0.50	0.070

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-193020-1

SDG No.:

Client Sample ID: HD-COD-SW-27-0/1-0
Lab Sample ID: 410-193020-10

Matrix: Water
Lab File ID: GC23X20.D

Analysis Method: 8260D
Date Collected: 10/18/2024 11:00

Sample wt/vol: 25(mL)
Date Analyzed: 10/23/2024 16:36

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 566703
Units: ug/L

Preparation Batch No.:
Instrument ID: 16334

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
127-18-4	Tetrachloroethene	0.23	J cn	0.50	0.20
108-88-3	Toluene	ND	cn	0.50	0.080
156-60-5	trans-1,2-Dichloroethene	ND	cn	0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	ND	cn	0.50	0.080
79-01-6	Trichloroethene	0.18	J cn	0.50	0.080
75-01-4	Vinyl chloride	ND	cn	0.50	0.10
1330-20-7	Xylenes, Total	ND	cn	1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93	cn	80-120
460-00-4	4-Bromofluorobenzene (Surr)	98	cn	80-120
1868-53-7	Dibromofluoromethane (Surr)	101	cn	80-120
2037-26-5	Toluene-d8 (Surr)	104	cn	80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X20.D
Lims ID: 410-193020-B-10
Client ID: HD-COD-SW-27-0/1-0
Sample Type: Client
Inject. Date: 23-Oct-2024 16:36:30 ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0128543-021
Operator ID: ecr105096 Instrument ID: 16334

Method: \\chromfs\Lancaster\ChromData\16334\20241023-128543.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 24-Oct-2024 08:36:02 Calib Date: 26-Aug-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\16334\20240826-123245.b\GG26X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1694

First Level Reviewer: FQ4L Date: 24-Oct-2024 08:36:02

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50	2.020	2.032	-0.012	97	6947	0.1238	
6 Vinyl chloride	62		2.136				ND	7
9 Bromomethane	94		2.453				ND	
10 Chloroethane	64		2.495				ND	7
18 1,1-Dichloroethene	96		3.288				ND	7
19 Acetone	43	3.367	3.324	0.043	42	5241	2.39	
24 Carbon disulfide	76	3.556	3.562	-0.006	99	15028	0.1179	M
29 Methylene Chloride	84		3.897				ND	
* 30 t-Butyl alcohol-d10 (IS)	65	3.916	3.934	-0.018	1	45637	50.0	s
33 Methyl tert-butyl ether	73		4.275				ND	
34 trans-1,2-Dichloroethene	96		4.275				ND	
37 1,1-Dichloroethane	63		4.934				ND	
41 2-Butanone (MEK)	43		5.769				ND	
42 cis-1,2-Dichloroethene	96	5.775	5.781	-0.006	78	7320	0.1509	
49 Chlorobromomethane	128		6.110				ND	
51 Chloroform	83	6.263	6.269	-0.006	93	21062	0.2728	
$ 52 Dibromofluoromethane (Surr)	113	6.482	6.482	0.000	93	528822	10.1	
53 1,1,1-Trichloroethane	97		6.501				ND	
55 Carbon tetrachloride	117		6.708				ND	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.933	6.940	-0.007	66	89750	9.27	
60 Benzene	78	6.982	6.976	0.006	89	8431	0.0481	
61 1,2-Dichloroethane	62		7.043				ND	
* 64 Fluorobenzene (IS)	96	7.378	7.385	-0.007	99	2176094	10.0	
68 Trichloroethene	95	7.872	7.866	0.006	96	8691	0.1814	
70 1,2-Dichloropropane	63		8.195				ND	
76 Dichlorobromomethane	83		8.549				ND	7
81 cis-1,3-Dichloropropene	75		9.110				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.305				ND	7
$ 83 Toluene-d8 (Surr)	98	9.433	9.433	0.000	94	2190429	10.4	
84 Toluene	92	9.512	9.512	0.000	97	4004	0.0351	
85 trans-1,3-Dichloropropene	75		9.787				ND	
107 1,1,2-Trichloroethane	97		9.994				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
108 Tetrachloroethene	166	10.085	10.085	0.000	94	12603	0.2288	
110 2-Hexanone	43		10.232				ND	7
112 Chlorodibromomethane	129		10.378				ND	
113 Ethylene Dibromide	107		10.488				ND	
* 114 Chlorobenzene-d5 (IS)	117	10.933	10.933	0.000	85	1615055	10.0	
116 Chlorobenzene	112		10.957				ND	
117 1,1,1,2-Tetrachloroethane	131		11.042				ND	
118 Ethylbenzene	91		11.049				ND	7
120 m-Xylene & p-Xylene	106		11.164				ND	7
S 119 Xylenes, Total	106		11.245				ND	7
121 o-Xylene	106		11.500				ND	7
122 Styrene	104		11.518				ND	
123 Bromoform	173		11.670				ND	
$ 127 4-Bromofluorobenzene (Surr)	95	11.945	11.945	0.000	90	726049	9.78	
128 1,1,2,2-Tetrachloroethane	83		12.048				ND	
* 142 1,4-Dichlorobenzene-d4	152	12.829	12.823	0.006	95	829031	10.0	

QC Flag Legend

Processing Flags
- 7 - Failed Limit of Detection
- s - Failed ISTD Recovery Test

Review Flags
- M - Manually Integrated

Reagents:

MSV_HP25_ISSS_00101 Amount Added: 1.00 Units: uL Run Reagent

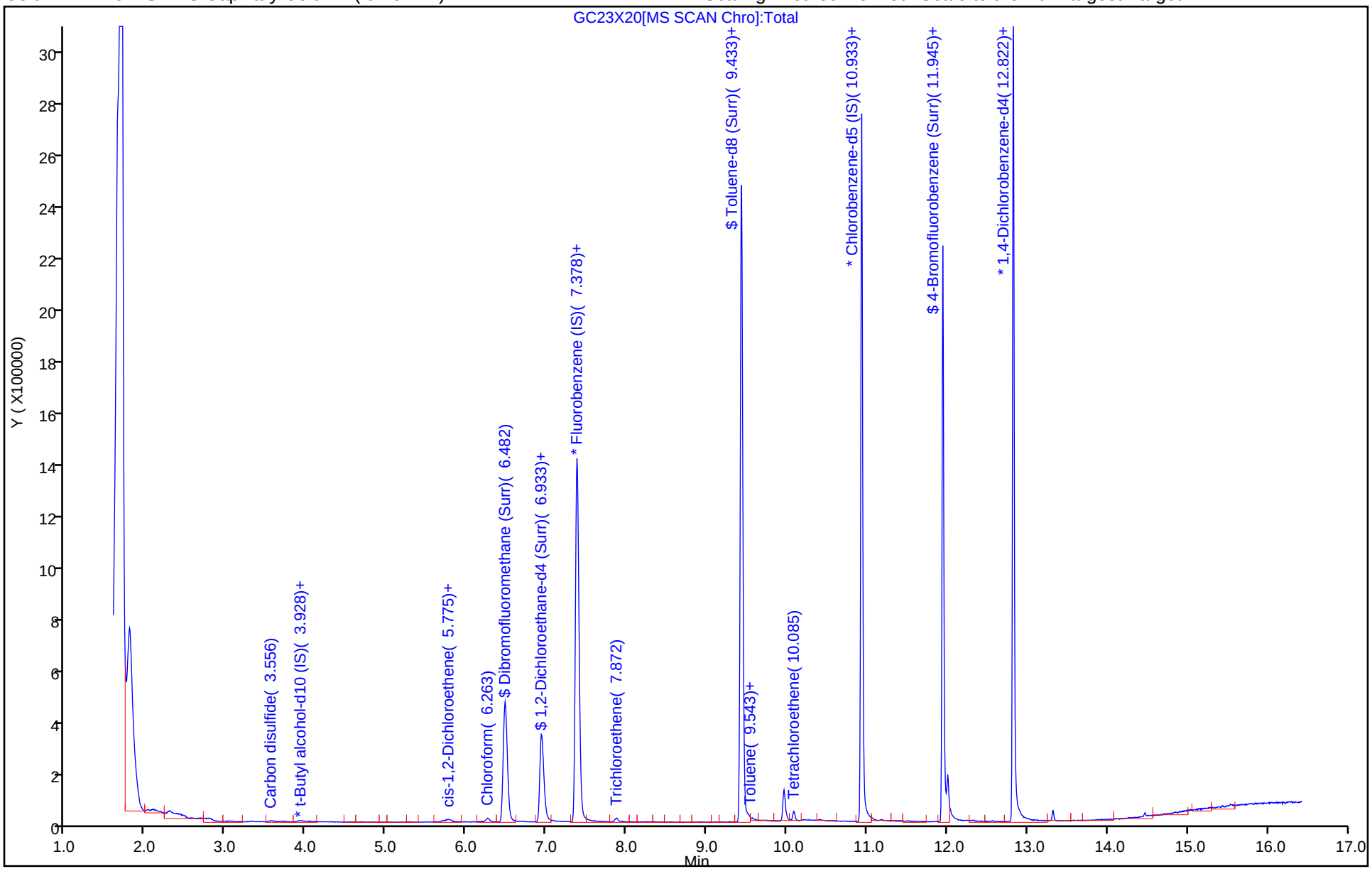
Report Date: 24-Oct-2024 08:36:02 Chrom Revision: 2.3 17-Oct-2024 11:42:22

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X20.D

Injection Date:	23-Oct-2024 16:36:30	Instrument ID:	16334	Operator ID:	ecr105096
Lims ID:	410-193020-B-10	Lab Sample ID:	410-193020-10	Worklist Smp#:	21
Client ID:	HD-COD-SW-27-0/1-0				
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	20
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X20.D
Lims ID: 410-193020-B-10
Client ID: HD-COD-SW-27-0/1-0
Sample Type: Client
Inject. Date: 23-Oct-2024 16:36:30 ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0128543-021
Operator ID: ecr105096 Instrument ID: 16334

Method: \\chromfs\Lancaster\ChromData\16334\20241023-128543.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 24-Oct-2024 08:36:02 Calib Date: 26-Aug-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\16334\20240826-123245.b\GG26X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1694

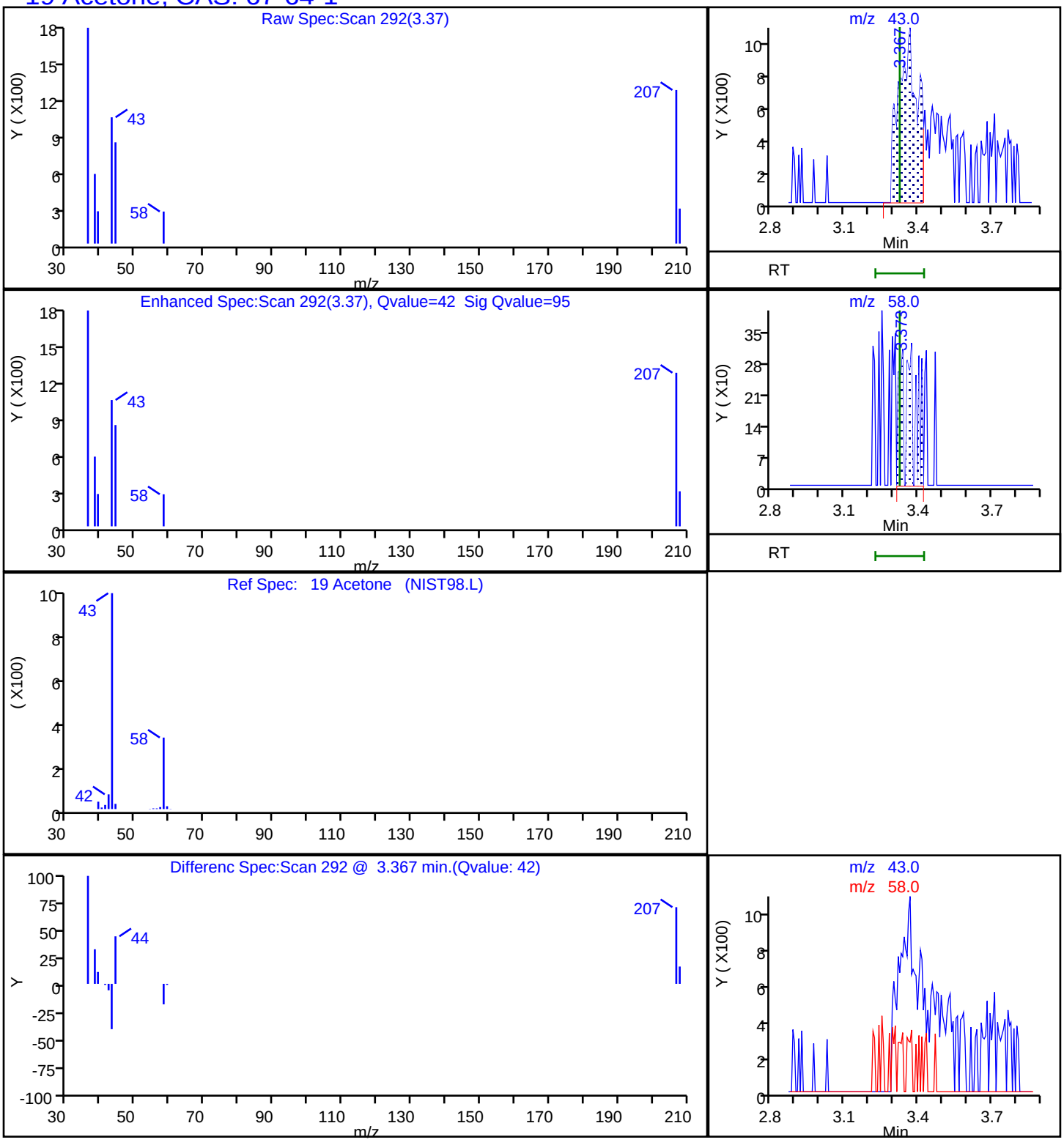
First Level Reviewer: FQ4L Date: 24-Oct-2024 08:36:02

Compound	Amount Added	Amount Recovered	% Rec.
$ 52 Dibromofluoromethane (Surr)	10.0	10.1	101.42
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	9.27	92.65
$ 83 Toluene-d8 (Surr)	10.0	10.4	103.63
$ 127 4-Bromofluorobenzene (Surr)	10.0	9.78	97.76

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X20.D				
Injection Date:	23-Oct-2024 16:36:30	Instrument ID:	16334		
Lims ID:	410-193020-B-10	Lab Sample ID:	410-193020-10		
Client ID:	HD-COD-SW-27-0/1-0				
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)	Detector	MS Quad		

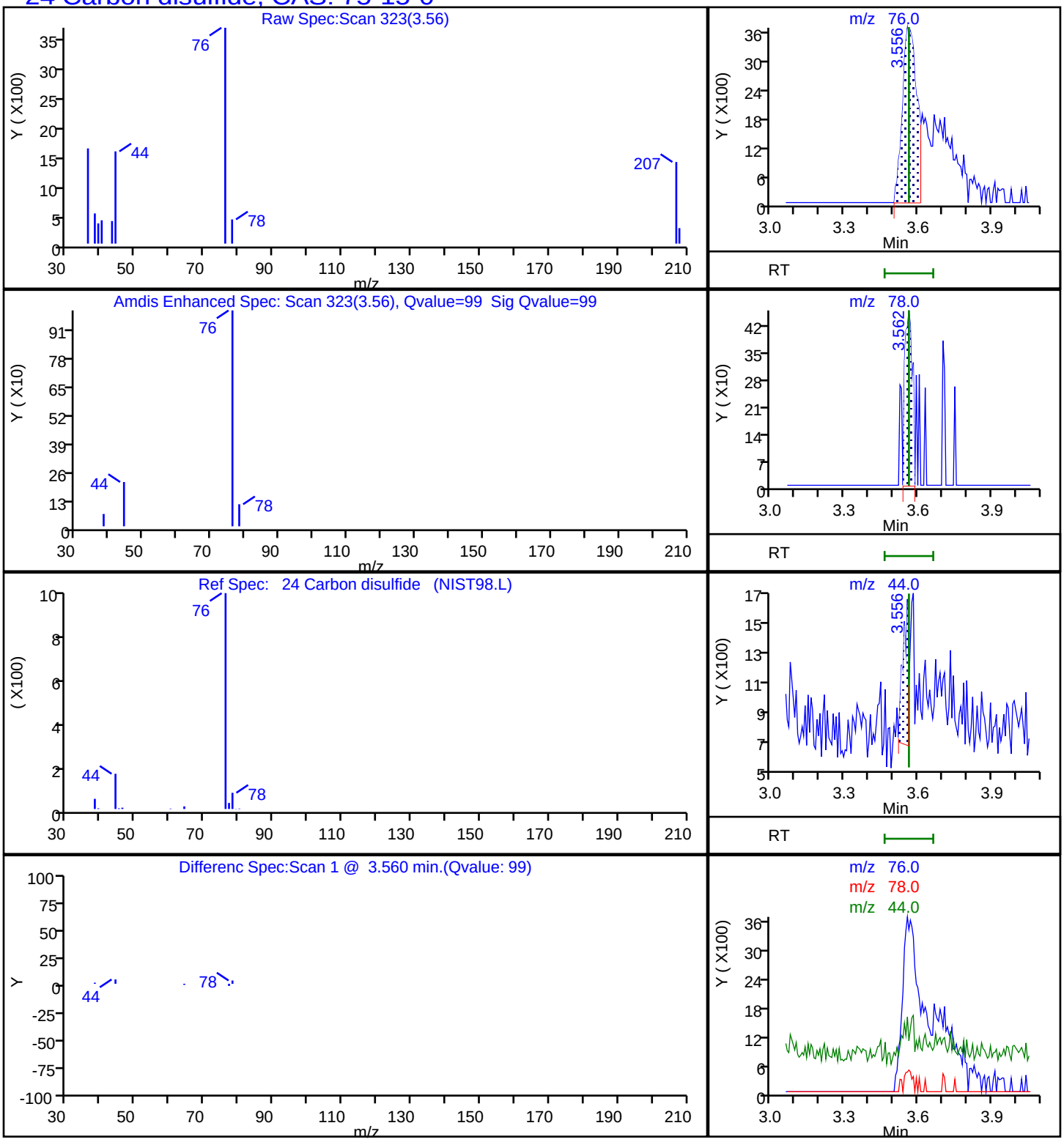
19 Acetone, CAS: 67-64-1



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X20.D				
Injection Date:	23-Oct-2024 16:36:30	Instrument ID:	16334		
Lims ID:	410-193020-B-10	Lab Sample ID:	410-193020-10		
Client ID:	HD-COD-SW-27-0/1-0				
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 (0.25 mm)	Detector	MS Quad		

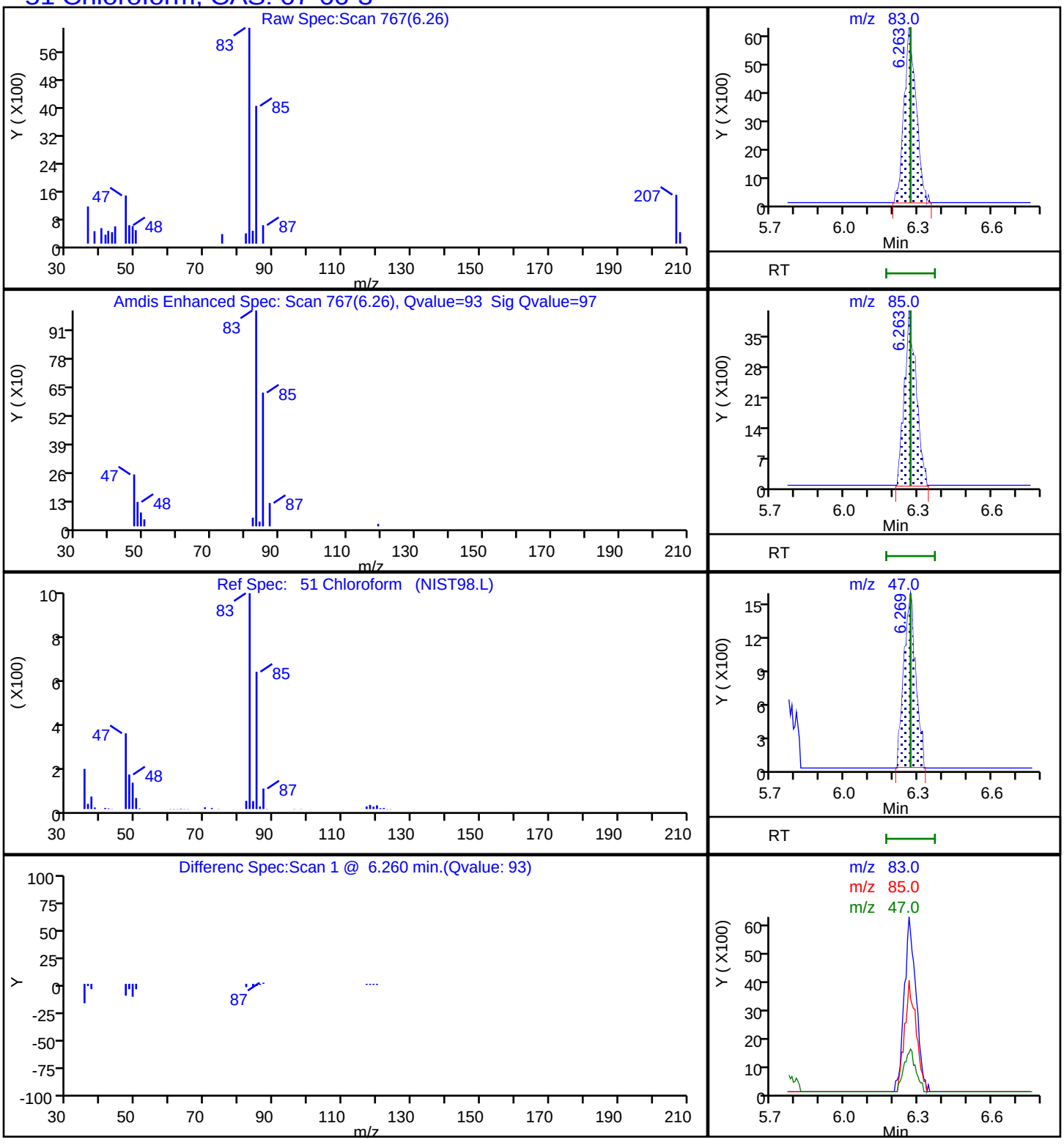
24 Carbon disulfide, CAS: 75-15-0



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X20.D				
Injection Date:	23-Oct-2024 16:36:30	Instrument ID:	16334		
Lims ID:	410-193020-B-10	Lab Sample ID:	410-193020-10		
Client ID:	HD-COD-SW-27-0/1-0				
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 (0.25 mm)	Detector	MS Quad		

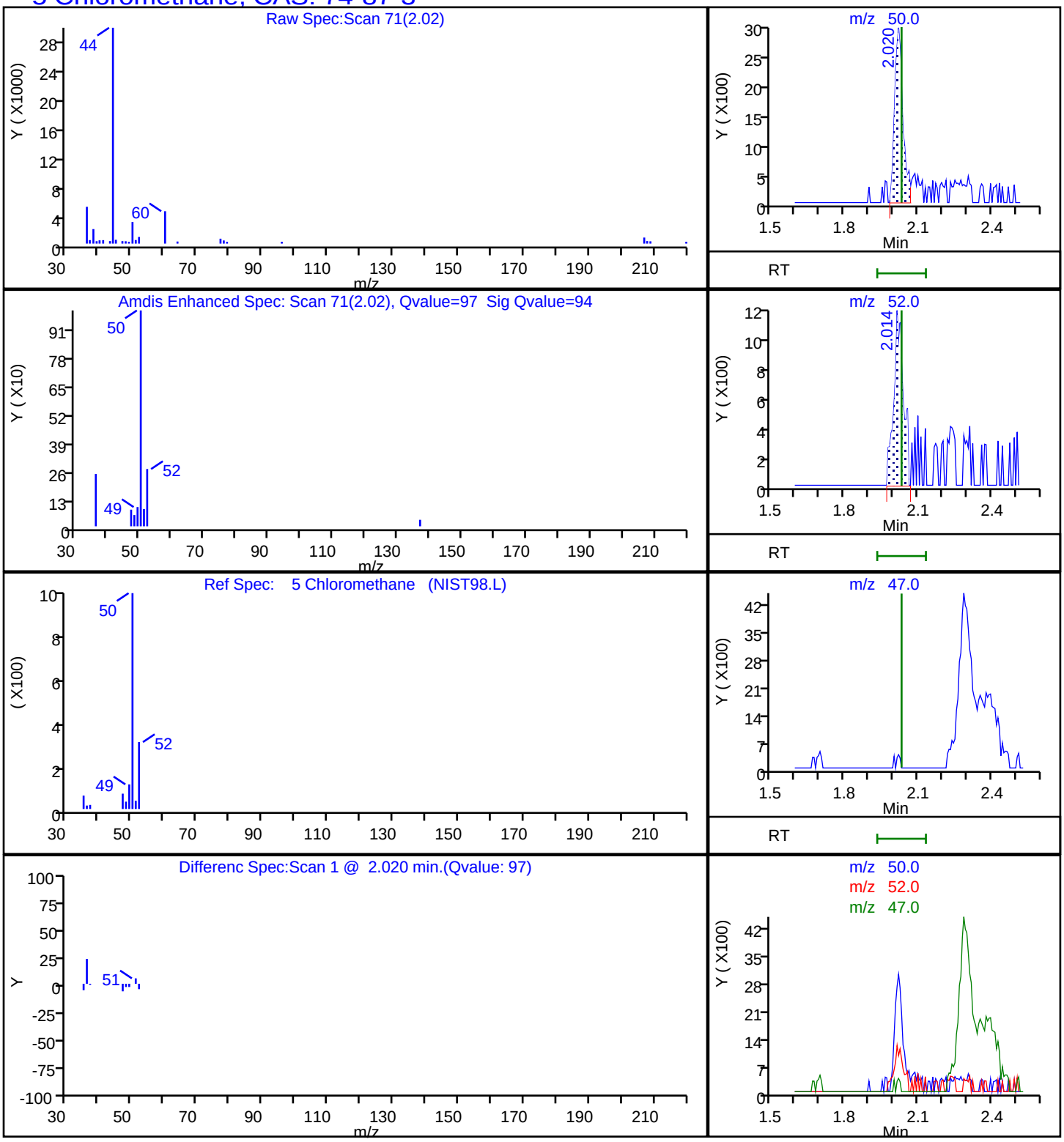
51 Chloroform, CAS: 67-66-3



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X20.D				
Injection Date:	23-Oct-2024 16:36:30	Instrument ID:	16334		
Lims ID:	410-193020-B-10	Lab Sample ID:	410-193020-10		
Client ID:	HD-COD-SW-27-0/1-0				
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 (0.25 mm)	Detector	MS Quad		

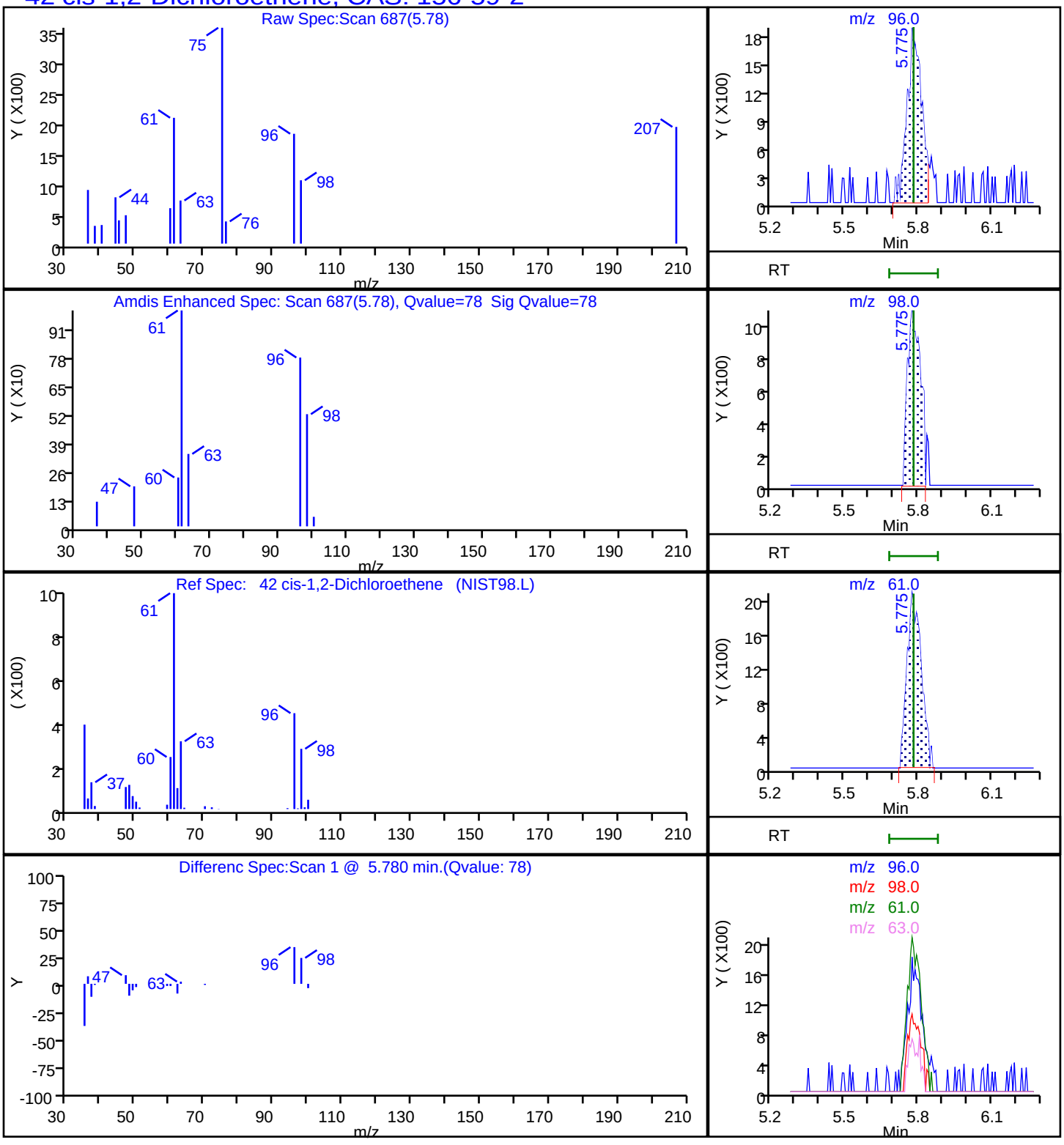
5 Chloromethane, CAS: 74-87-3



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X20.D				
Injection Date:	23-Oct-2024 16:36:30	Instrument ID:	16334		
Lims ID:	410-193020-B-10	Lab Sample ID:	410-193020-10		
Client ID:	HD-COD-SW-27-0/1-0				
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 (0.25 mm)	Detector	MS Quad		

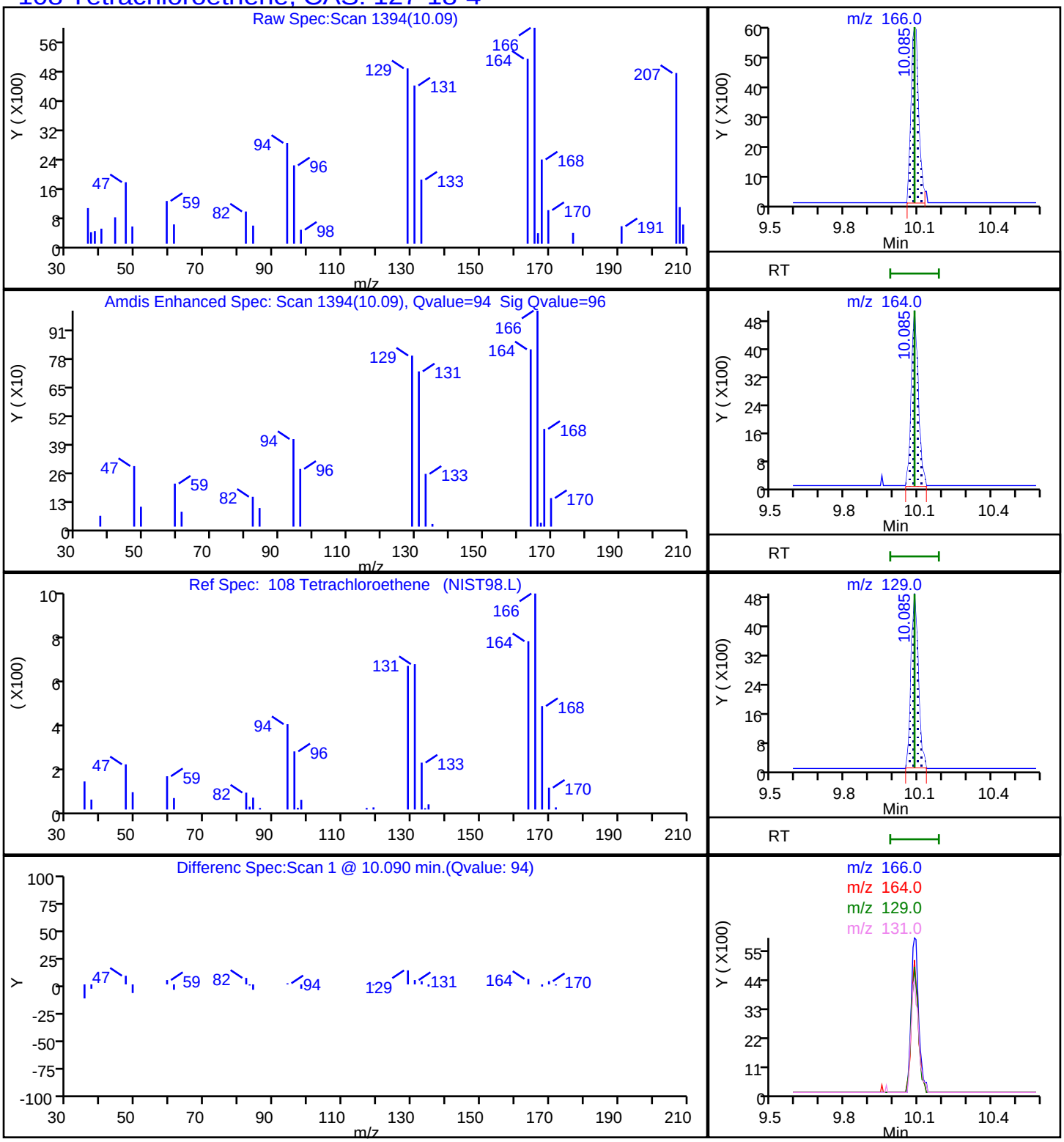
42 cis-1,2-Dichloroethene, CAS: 156-59-2



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X20.D				
Injection Date:	23-Oct-2024 16:36:30	Instrument ID:	16334		
Lims ID:	410-193020-B-10	Lab Sample ID:	410-193020-10		
Client ID:	HD-COD-SW-27-0/1-0				
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 (0.25 mm)	Detector	MS Quad		

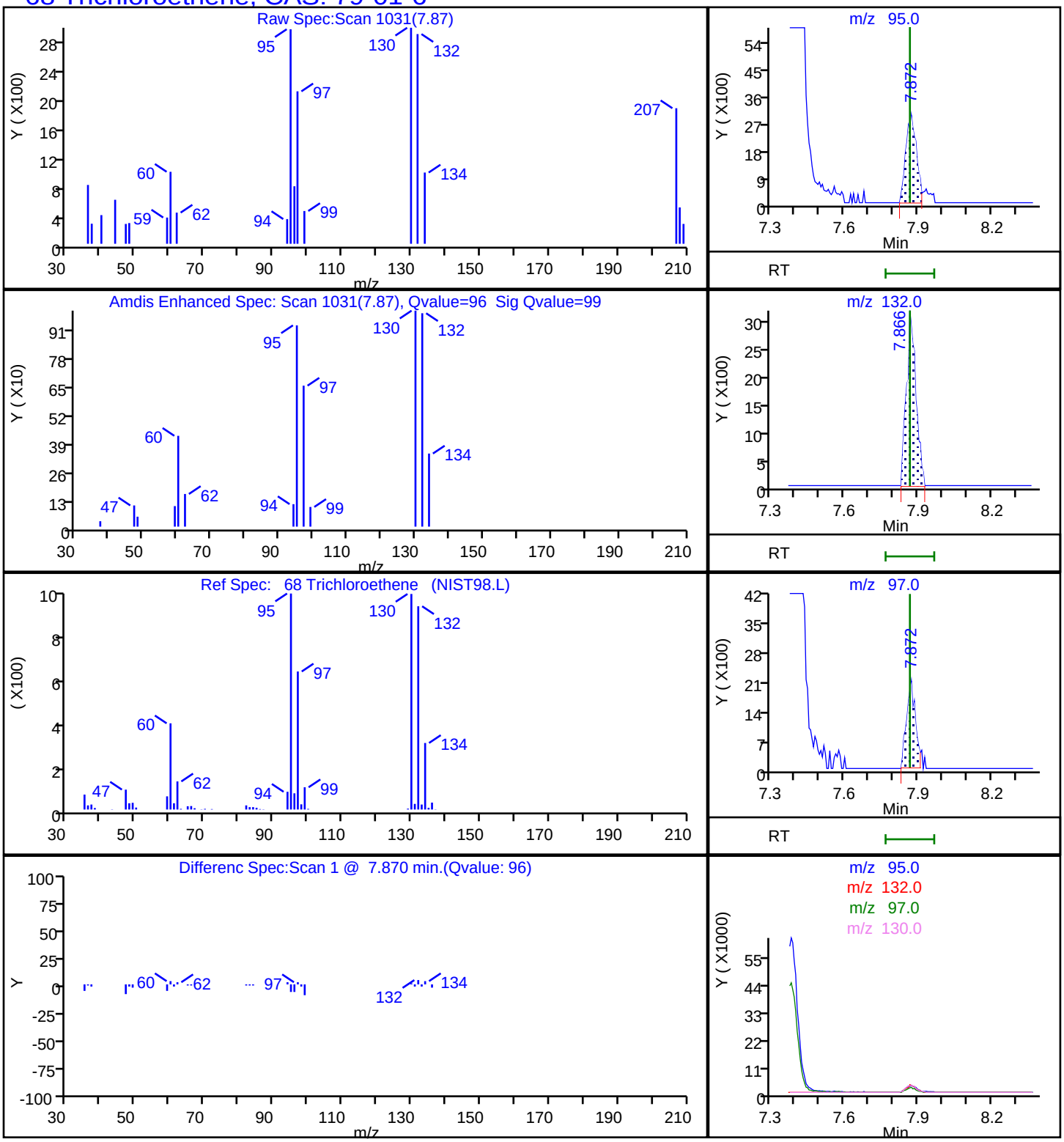
108 Tetrachloroethene, CAS: 127-18-4



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X20.D				
Injection Date:	23-Oct-2024 16:36:30	Instrument ID:	16334		
Lims ID:	410-193020-B-10	Lab Sample ID:	410-193020-10		
Client ID:	HD-COD-SW-27-0/1-0				
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 (0.25 mm)	Detector	MS Quad		

68 Trichloroethene, CAS: 79-01-6



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

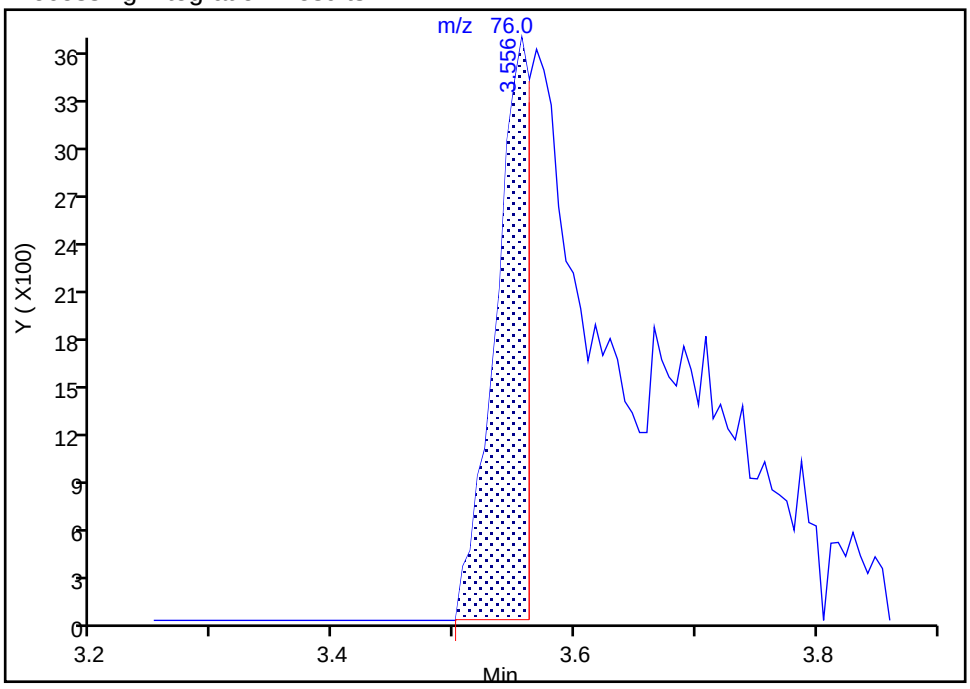
Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X20.D				
Injection Date:	23-Oct-2024 16:36:30	Instrument ID:	16334		
Lims ID:	410-193020-B-10	Lab Sample ID:	410-193020-10		
Client ID:	HD-COD-SW-27-0/1-0				
Operator ID:	ecr105096	ALS Bottle#:	20	Worklist Smp#:	21
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

24 Carbon disulfide, CAS: 75-15-0

Signal: 1

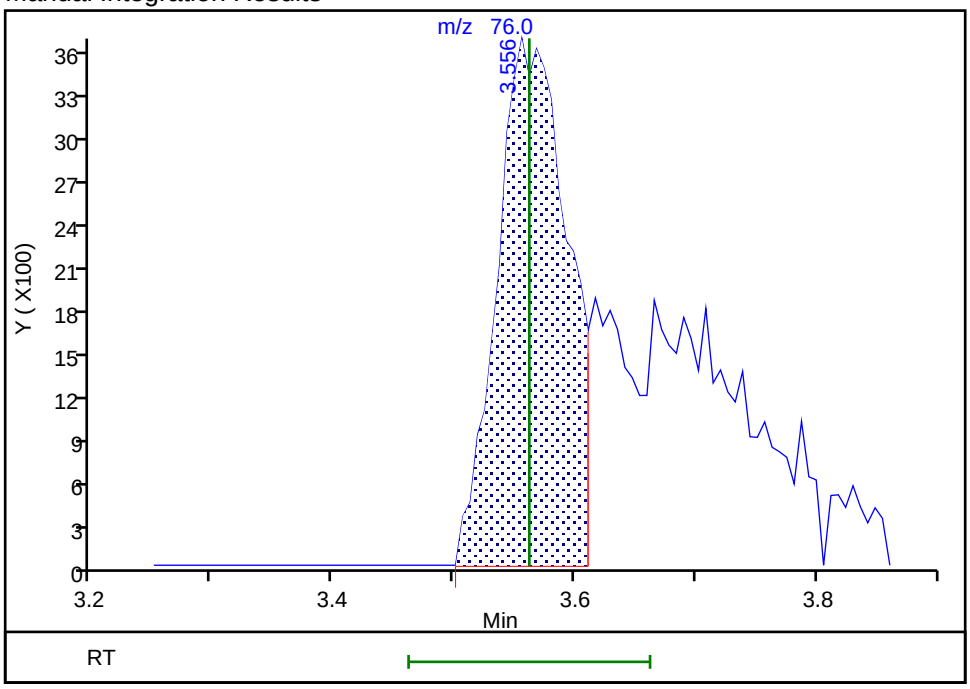
Processing Integration Results

RT: 3.56
Area: 7330
Amount: 0.057493
Amount Units: ug/l



Manual Integration Results

RT: 3.56
Area: 15028
Amount: 0.117873
Amount Units: ug/l



Reviewer: FQ4L, 24-Oct-2024 08:35:42 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.: 410-193020-1

SDG No.:

Client Sample ID: HD-COD-SW-28-0/1-0
Lab Sample ID: 410-193020-11

Matrix: Water
Lab File ID: GC23X21.D

Analysis Method: 8260D
Date Collected: 10/18/2024 12:20

Sample wt/vol: 25(mL)
Date Analyzed: 10/23/2024 16:58

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.: 566703
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	0.12	J	0.50	0.090
74-87-3	Chloromethane	0.11	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	0.30	J	0.50	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-193020-1

SDG No.:

Client Sample ID: HD-COD-SW-28-0/1-0
Lab Sample ID: 410-193020-11

Matrix: Water
Lab File ID: GC23X21.D

Analysis Method: 8260D
Date Collected: 10/18/2024 12:20

Sample wt/vol: 25(mL)
Date Analyzed: 10/23/2024 16:58

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.: 566703
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)	94		80-120
460-00-4	4-Bromofluorobenzene (Surr)	100		80-120
1868-53-7	Dibromofluoromethane (Surr)	100		80-120
2037-26-5	Toluene-d8 (Surr)	103		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X21.D
Lims ID: 410-193020-B-11
Client ID: HD-COD-SW-28-0/1-0
Sample Type: Client
Inject. Date: 23-Oct-2024 16:58:30 ALS Bottle#: 21 Worklist Smp#: 22
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0128543-022
Operator ID: ecr105096 Instrument ID: 16334

Method: \\chromfs\Lancaster\ChromData\16334\20241023-128543.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 24-Oct-2024 08:37:16 Calib Date: 26-Aug-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\16334\20240826-123245.b\GG26X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1694

First Level Reviewer: FQ4L Date: 24-Oct-2024 08:37:16

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50	2.032	2.032	0.000	98	6022	0.1074	
6 Vinyl chloride	62		2.136				ND	7
9 Bromomethane	94		2.453				ND	7
10 Chloroethane	64		2.495				ND	7
18 1,1-Dichloroethene	96		3.288				ND	7
19 Acetone	43		3.324				ND	U
24 Carbon disulfide	76		3.562				ND	7
29 Methylene Chloride	84		3.897				ND	
* 30 t-Butyl alcohol-d10 (IS)	65	3.922	3.934	-0.012	22	54071	50.0	
33 Methyl tert-butyl ether	73		4.275				ND	
34 trans-1,2-Dichloroethene	96		4.275				ND	
37 1,1-Dichloroethane	63		4.934				ND	
41 2-Butanone (MEK)	43		5.769				ND	
42 cis-1,2-Dichloroethene	96	5.799	5.781	0.018	80	7161	0.1478	a
49 Chlorobromomethane	128		6.110				ND	
51 Chloroform	83	6.281	6.269	0.012	92	9271	0.1202	
$ 52 Dibromofluoromethane (Surr)	113	6.488	6.482	0.006	93	518964	9.96	
53 1,1,1-Trichloroethane	97		6.501				ND	
55 Carbon tetrachloride	117		6.708				ND	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.945	6.940	0.005	65	91213	9.42	
60 Benzene	78	6.976	6.976	0.000	87	7792	0.0445	M
61 1,2-Dichloroethane	62		7.043				ND	
* 64 Fluorobenzene (IS)	96	7.384	7.385	-0.001	99	2174213	10.0	
68 Trichloroethene	95	7.872	7.866	0.006	96	8308	0.1736	a
70 1,2-Dichloropropane	63		8.195				ND	
76 Dichlorobromomethane	83		8.549				ND	7
81 cis-1,3-Dichloropropene	75		9.110				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.305				ND	7
$ 83 Toluene-d8 (Surr)	98	9.433	9.433	0.000	93	2177926	10.3	
84 Toluene	92	9.518	9.512	0.006	97	6991	0.0615	
85 trans-1,3-Dichloropropene	75		9.787				ND	
107 1,1,2-Trichloroethane	97		9.994				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
108 Tetrachloroethene	166	10.085	10.085	0.000	96	16353	0.2982	
110 2-Hexanone	43		10.232				ND	7
112 Chlorodibromomethane	129		10.378				ND	
113 Ethylene Dibromide	107		10.488				ND	
* 114 Chlorobenzene-d5 (IS)	117	10.932	10.933	-0.001	85	1608135	10.0	
116 Chlorobenzene	112		10.957				ND	
117 1,1,1,2-Tetrachloroethane	131		11.042				ND	
118 Ethylbenzene	91		11.049				ND	7
120 m-Xylene & p-Xylene	106		11.164				ND	7
S 119 Xylenes, Total	106		11.245				ND	7
121 o-Xylene	106		11.500				ND	
122 Styrene	104		11.518				ND	7
123 Bromoform	173		11.670				ND	
$ 127 4-Bromofluorobenzene (Surr)	95	11.944	11.945	-0.001	90	737255	9.97	
128 1,1,2,2-Tetrachloroethane	83		12.048				ND	
* 142 1,4-Dichlorobenzene-d4	152	12.828	12.823	0.005	95	852276	10.0	

QC Flag Legend

Processing Flags
- 7 - Failed Limit of Detection

Review Flags
- M - Manually Integrated
- U - Marked Undetected
- a - User Assigned ID

Reagents:

MSV_HP25_ISSS_00101 Amount Added: 1.00 Units: uL Run Reagent

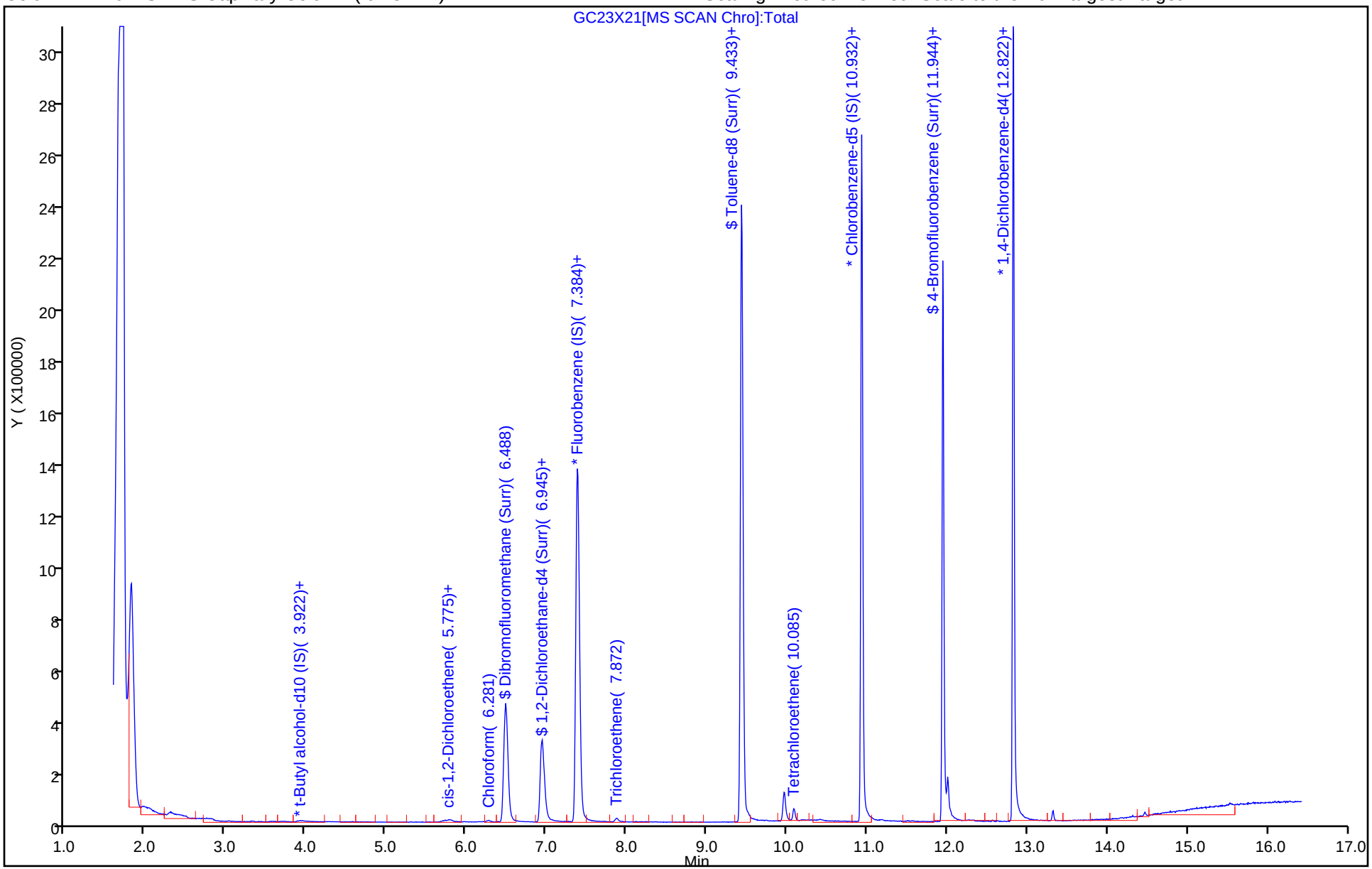
Report Date: 24-Oct-2024 08:37:16 Chrom Revision: 2.3 17-Oct-2024 11:42:22

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X21.D

Injection Date:	23-Oct-2024 16:58:30	Instrument ID:	16334	Operator ID:	ecr105096
Lims ID:	410-193020-B-11	Lab Sample ID:	410-193020-11	Worklist Smp#:	22
Client ID:	HD-COD-SW-28-0/1-0				
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	21
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X21.D				
Lims ID:	410-193020-B-11				
Client ID:	HD-COD-SW-28-0/1-0				
Sample Type:	Client				
Inject. Date:	23-Oct-2024 16:58:30	ALS Bottle#:	21	Worklist Smp#:	22
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0128543-022				
Operator ID:	ecr105096	Instrument ID:	16334		
Method:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\MSV_16334_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	24-Oct-2024 08:37:16	Calib Date:	26-Aug-2024 17:02:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\16334\20240826-123245.b\GG26X08.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1694				

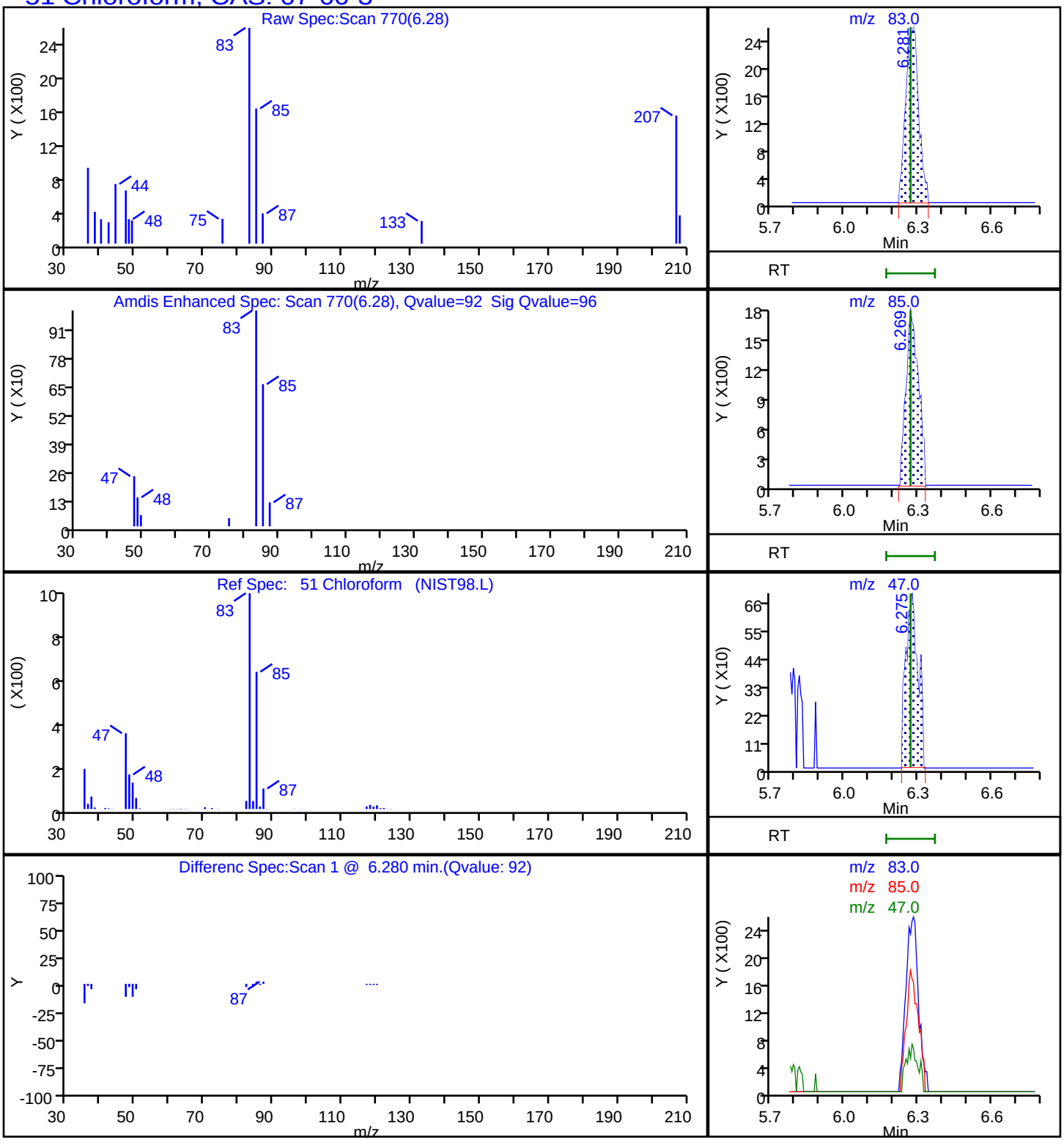
First Level Reviewer: FQ4L Date: 24-Oct-2024 08:37:16

Compound	Amount Added	Amount Recovered	% Rec.
$ 52 Dibromofluoromethane (Surr)	10.0	9.96	99.62
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	9.42	94.24
$ 83 Toluene-d8 (Surr)	10.0	10.3	103.48
$ 127 4-Bromofluorobenzene (Surr)	10.0	9.97	99.69

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X21.D				
Injection Date:	23-Oct-2024 16:58:30	Instrument ID:	16334		
Lims ID:	410-193020-B-11	Lab Sample ID:	410-193020-11		
Client ID:	HD-COD-SW-28-0/1-0				
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 (0.25 mm)	Detector	MS Quad		

51 Chloroform, CAS: 67-66-3



Report Date: 24-Oct-2024 08:37:16 Chrom Revision: 2.3 17-Oct-2024 11:42:22

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X21.D

Injection Date: 23-Oct-2024 16:58:30 Instrument ID: 16334

Lims ID: 410-193020-B-11 Lab Sample ID: 410-193020-11

Client ID: HD-COD-SW-28-0/1-0

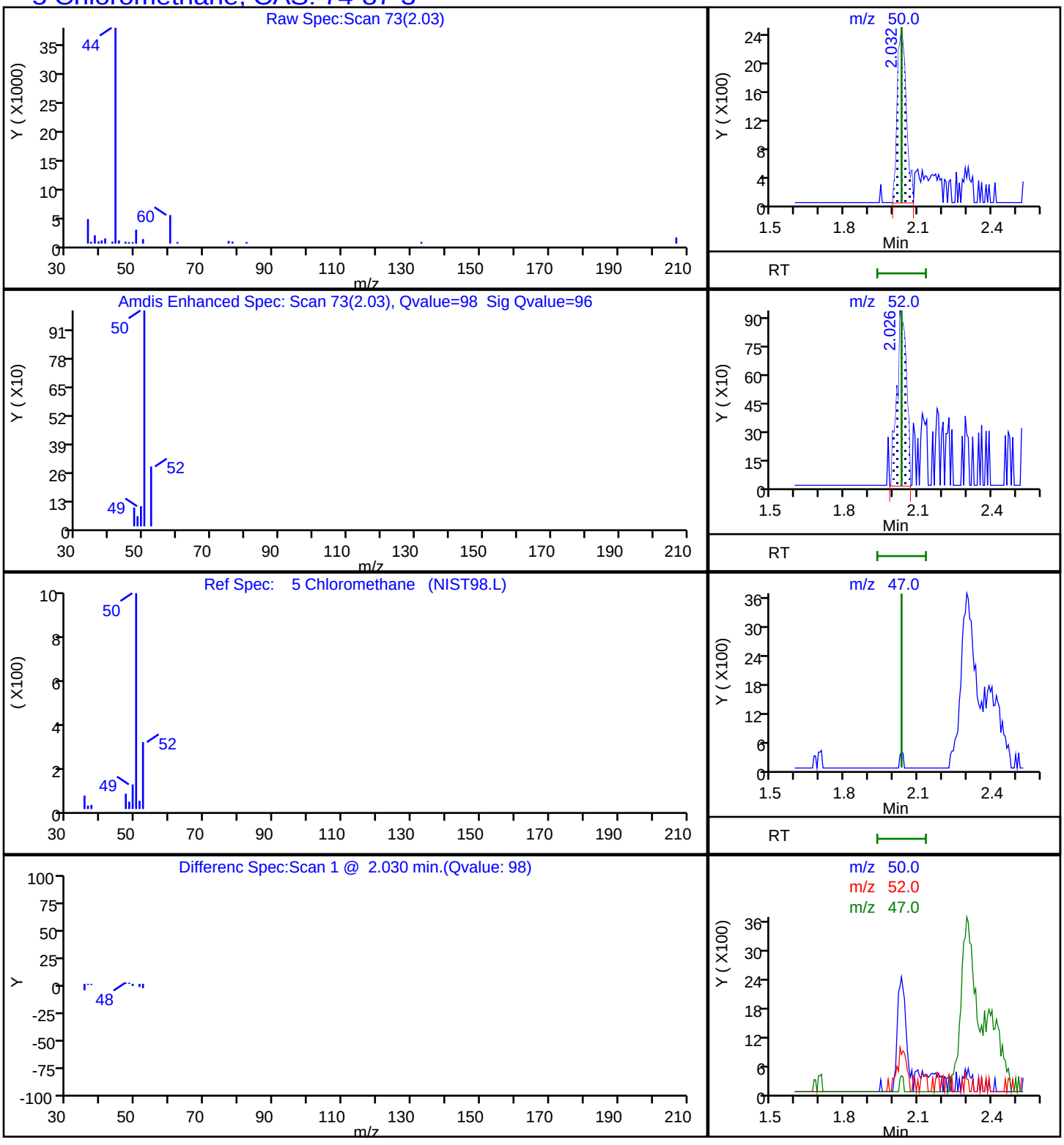
Operator ID: ecr105096 ALS Bottle#: 21 Worklist Smp#: 22

Purge Vol: 25.000 mL Dil. Factor: 1.0000

Method: MSV_16334_25mL Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

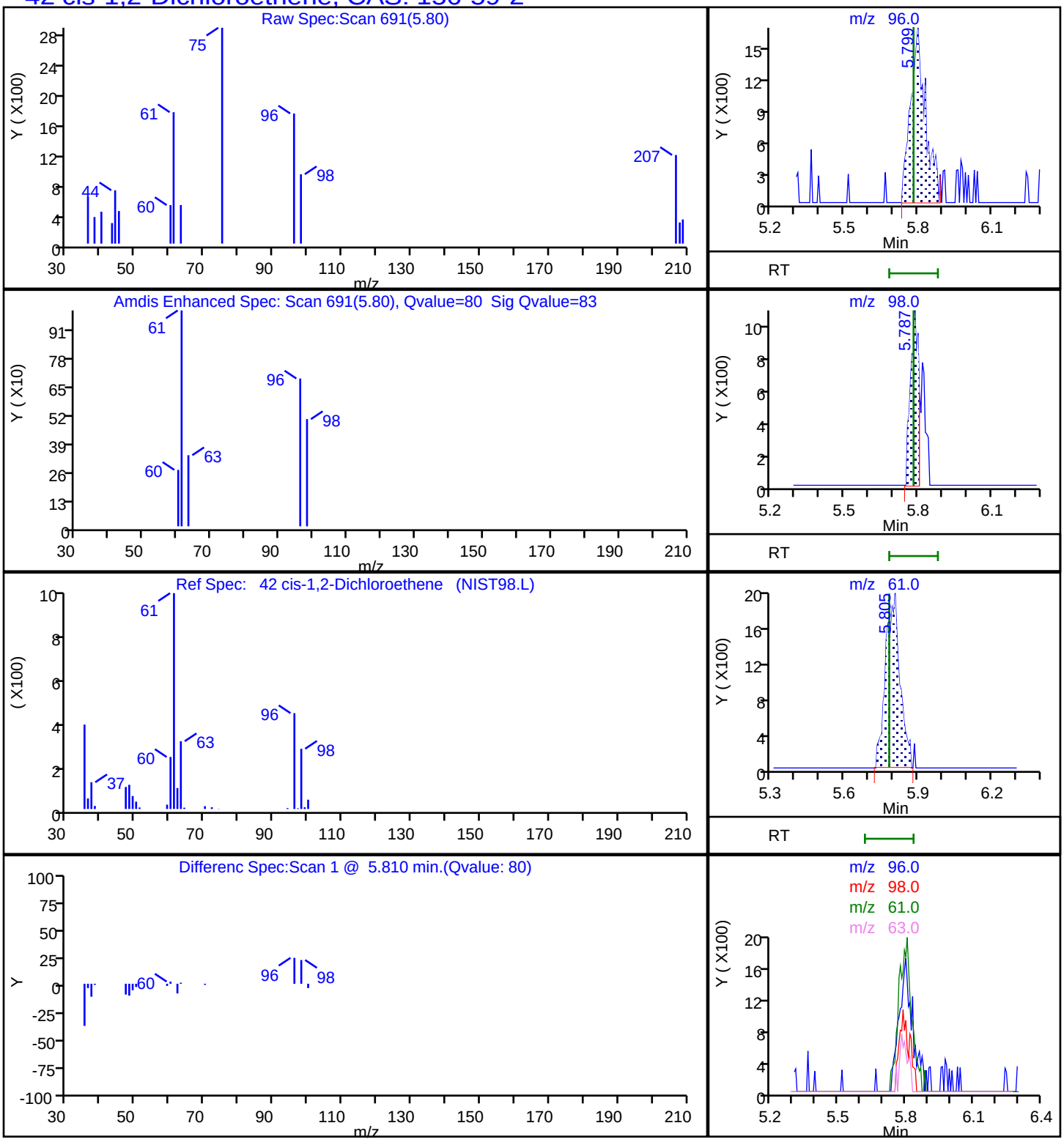
5 Chloromethane, CAS: 74-87-3



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X21.D				
Injection Date:	23-Oct-2024 16:58:30	Instrument ID:	16334		
Lims ID:	410-193020-B-11	Lab Sample ID:	410-193020-11		
Client ID:	HD-COD-SW-28-0/1-0				
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 (0.25 mm)	Detector	MS Quad		

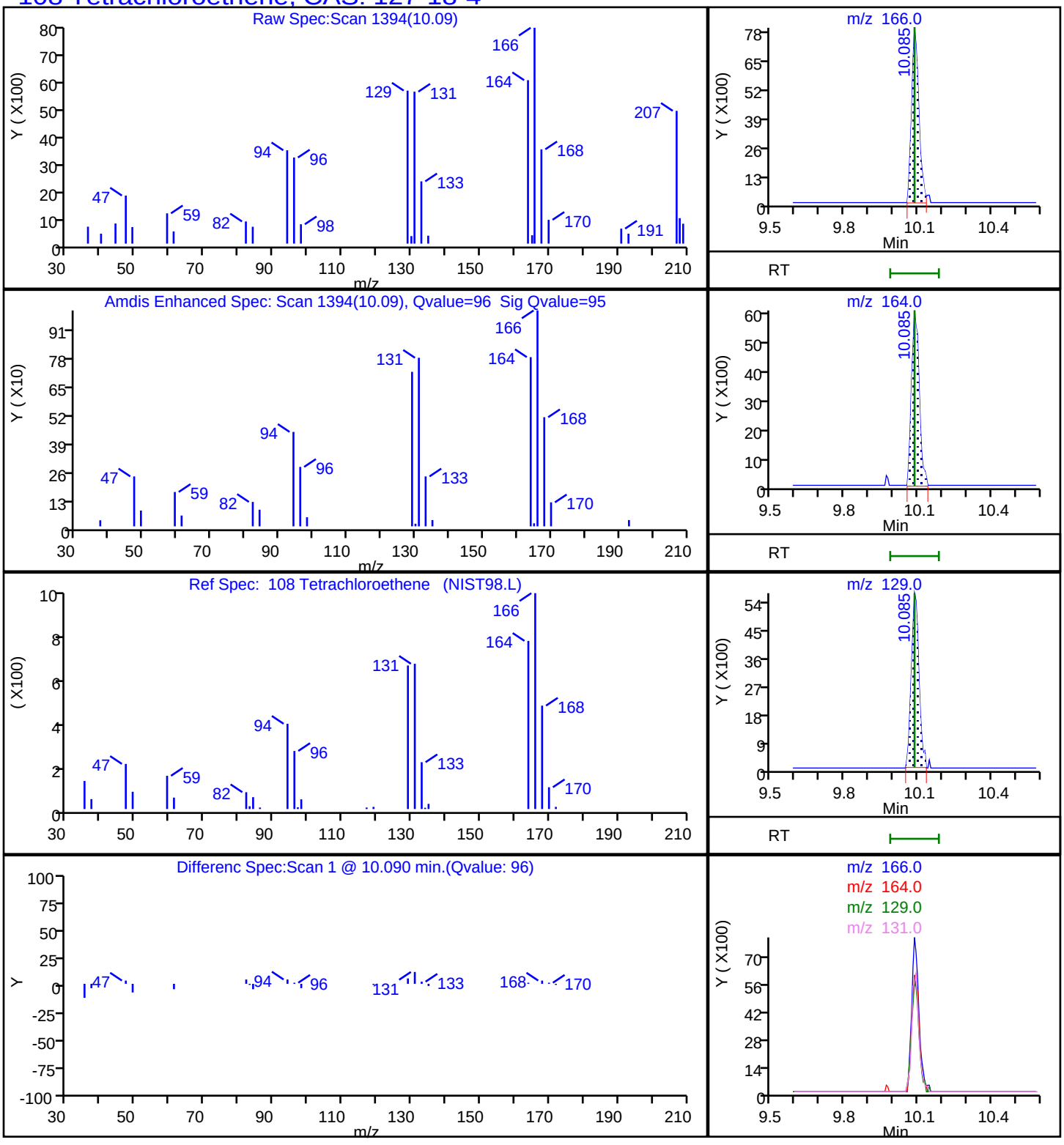
42 cis-1,2-Dichloroethene, CAS: 156-59-2



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X21.D				
Injection Date:	23-Oct-2024 16:58:30	Instrument ID:	16334		
Lims ID:	410-193020-B-11	Lab Sample ID:	410-193020-11		
Client ID:	HD-COD-SW-28-0/1-0				
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 (0.25 mm)	Detector	MS Quad		

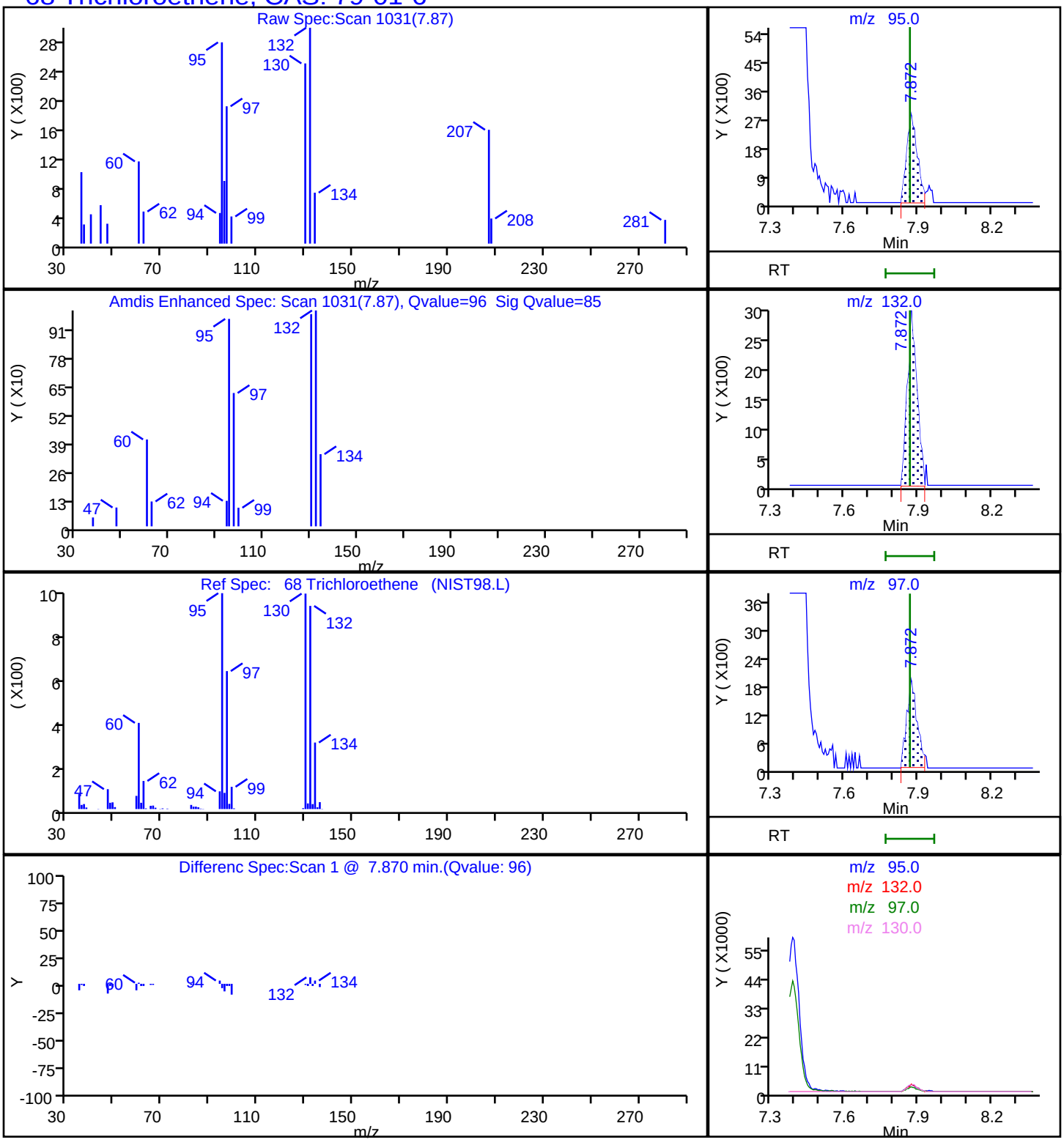
108 Tetrachloroethene, CAS: 127-18-4



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X21.D				
Injection Date:	23-Oct-2024 16:58:30	Instrument ID:	16334		
Lims ID:	410-193020-B-11	Lab Sample ID:	410-193020-11		
Client ID:	HD-COD-SW-28-0/1-0				
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 (0.25 mm)	Detector	MS Quad		

68 Trichloroethene, CAS: 79-01-6



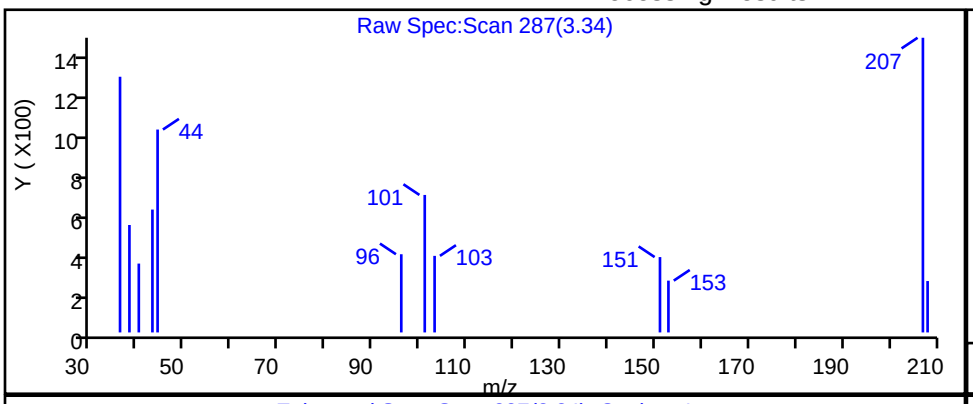
User Disabled Compound Report

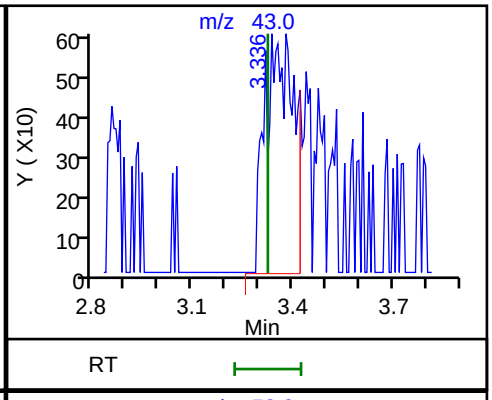
Eurofins Lancaster Laboratories Environment Testing, LLC

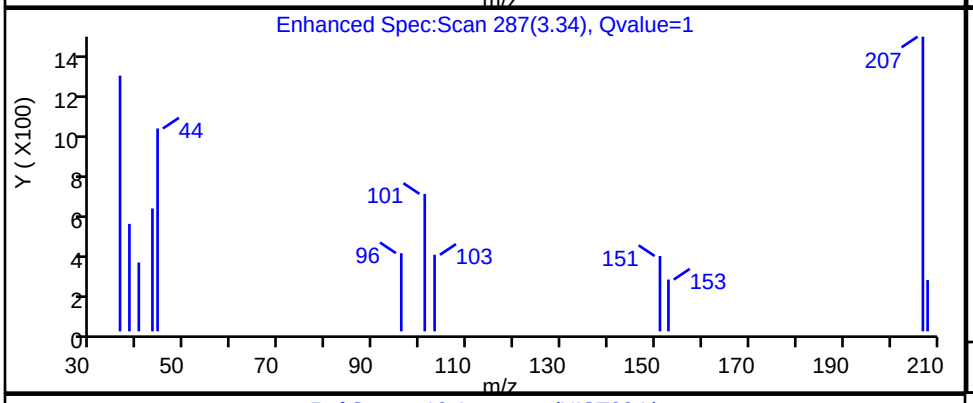
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Injection Date:	23-Oct-2024 16:58:30	Instrument ID:	16334		
Lims ID:	410-193020-B-11	Lab Sample ID:	410-193020-11		
Client ID:	HD-COD-SW-28-0/1-0				
Operator ID:	ecr105096	ALS Bottle#:	21	Worklist Smp#:	22
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

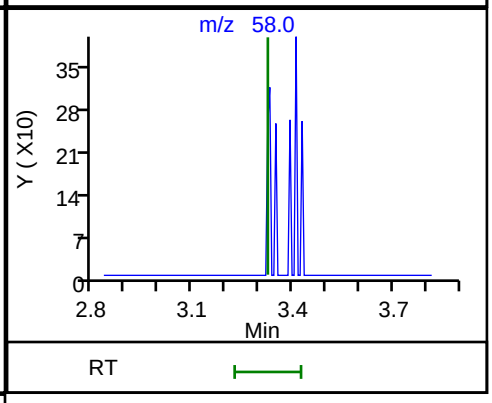
19 Acetone, CAS: 67-64-1

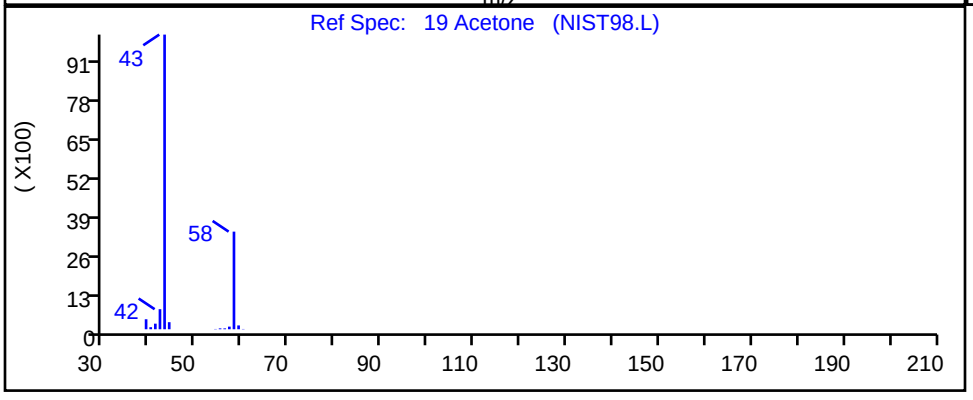
Processing Results











RT	Mass	Response	Amount
3.34	43.00	3600	1.385928
3.32	58.00	0	

Reviewer: FQ4L, 24-Oct-2024 08:36:36 07:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

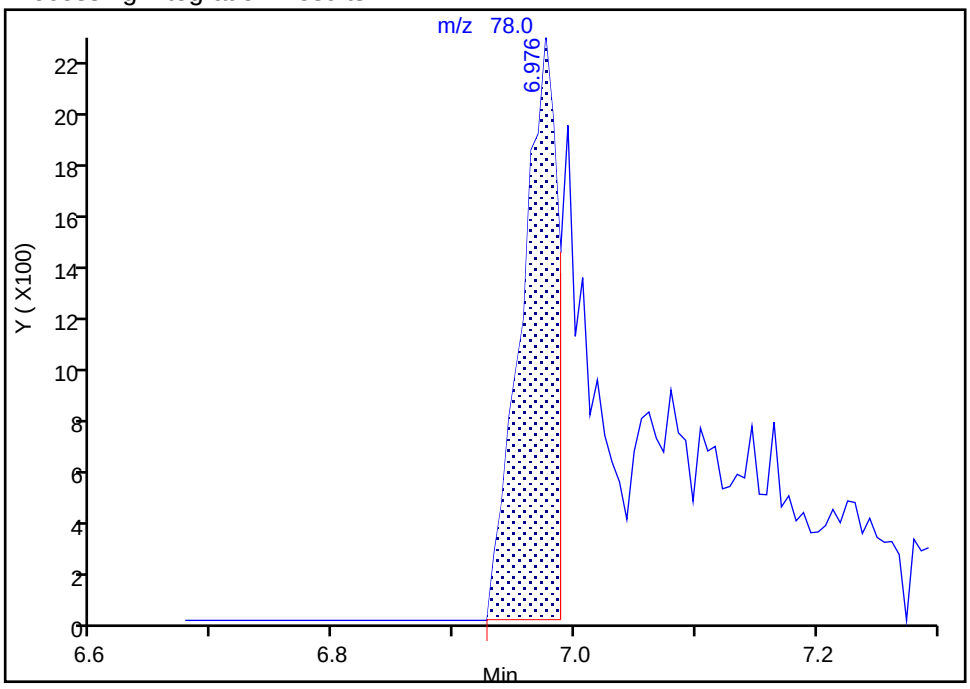
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Injection Date:	23-Oct-2024 16:58:30	Instrument ID:	16334		
Lims ID:	410-193020-B-11	Lab Sample ID:	410-193020-11		
Client ID:	HD-COD-SW-28-0/1-0				
Operator ID:	ecr105096	ALS Bottle#:	21	Worklist Smp#:	22
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

60 Benzene, CAS: 71-43-2

Signal: 1

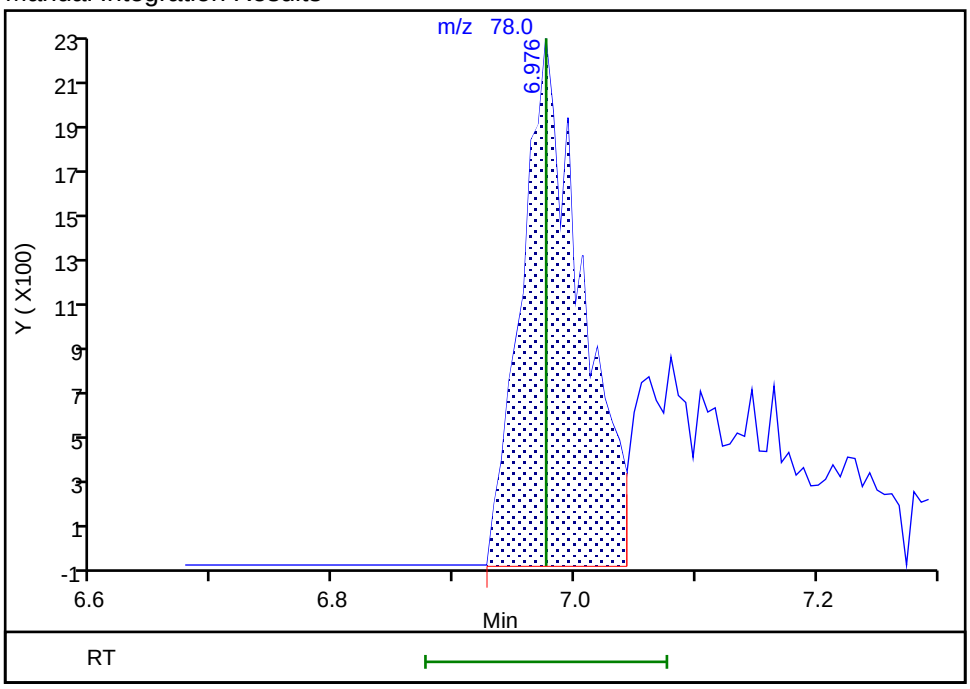
Processing Integration Results

RT: 6.98
Area: 4745
Amount: 0.027103
Amount Units: ug/l



Manual Integration Results

RT: 6.98
Area: 7792
Amount: 0.044507
Amount Units: ug/l



Reviewer: FQ4L, 24-Oct-2024 08:36:58 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

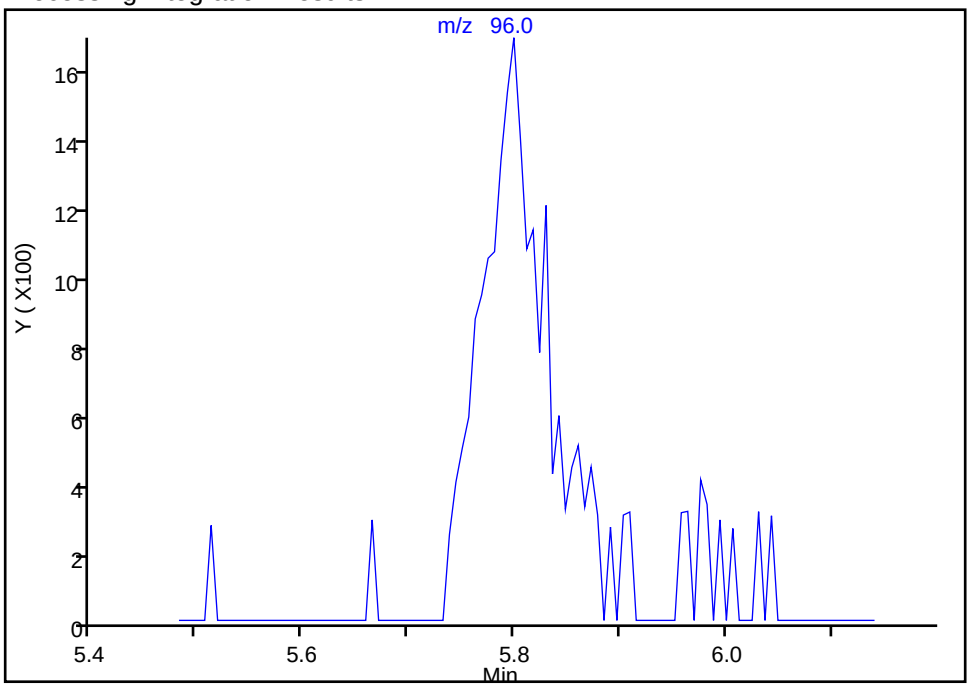
Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X21.D				
Injection Date:	23-Oct-2024 16:58:30	Instrument ID:	16334		
Lims ID:	410-193020-B-11	Lab Sample ID:	410-193020-11		
Client ID:	HD-COD-SW-28-0/1-0				
Operator ID:	ecr105096	ALS Bottle#:	21	Worklist Smp#:	22
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

42 cis-1,2-Dichloroethene, CAS: 156-59-2

Signal: 1

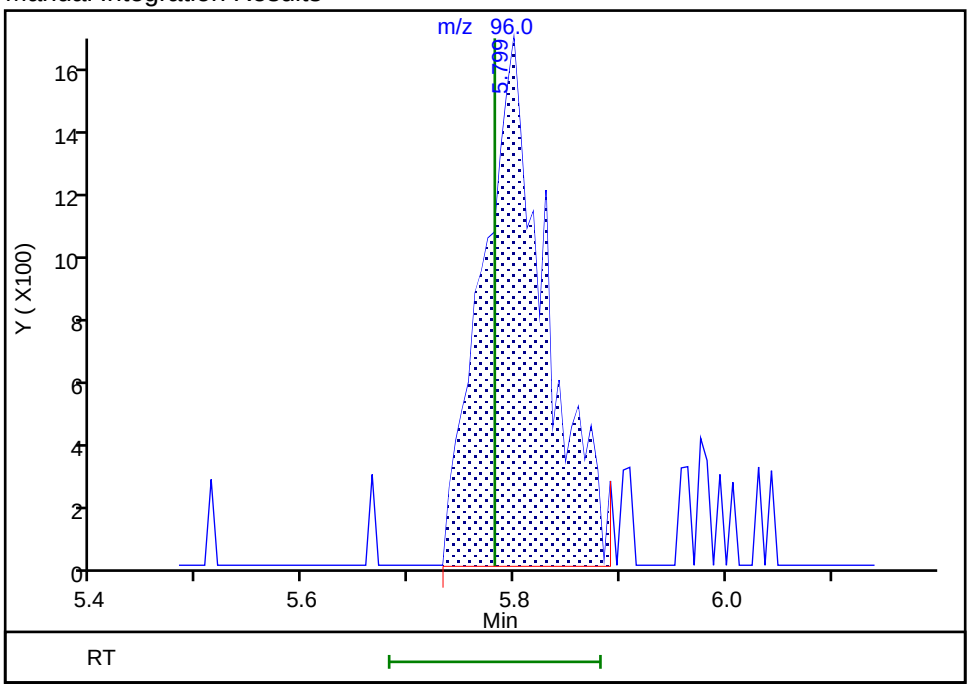
Not Detected
Expected RT: 5.78

Processing Integration Results



Manual Integration Results

RT: 5.80
Area: 7161
Amount: 0.147779
Amount Units: ug/l



Reviewer: FQ4L, 24-Oct-2024 08:36:42 07:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

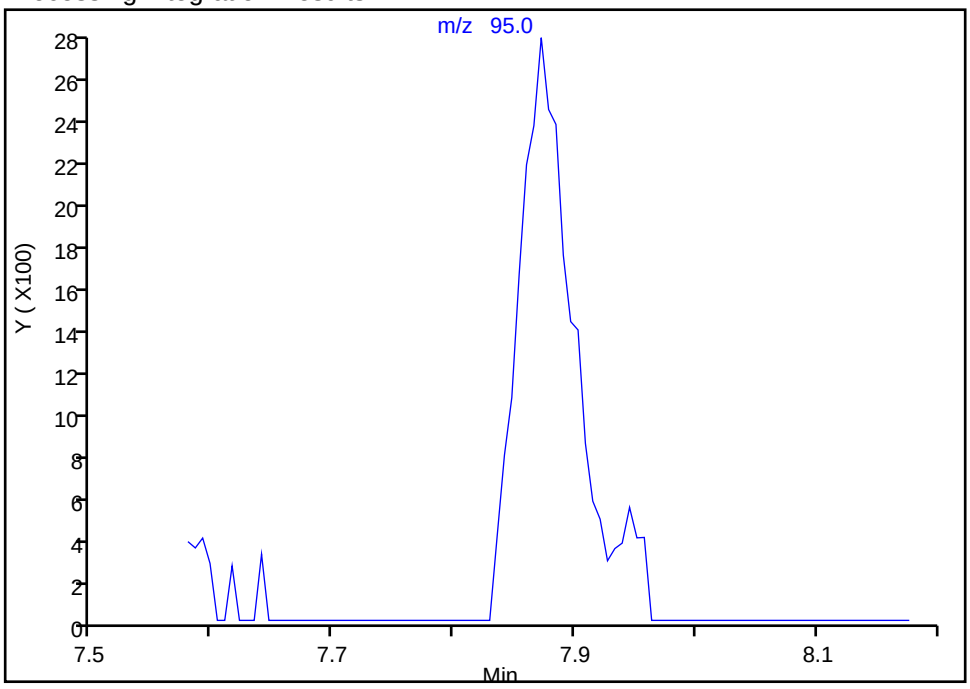
Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X21.D				
Injection Date:	23-Oct-2024 16:58:30	Instrument ID:	16334		
Lims ID:	410-193020-B-11	Lab Sample ID:	410-193020-11		
Client ID:	HD-COD-SW-28-0/1-0				
Operator ID:	ecr105096	ALS Bottle#:	21	Worklist Smp#:	22
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

68 Trichloroethene, CAS: 79-01-6

Signal: 1

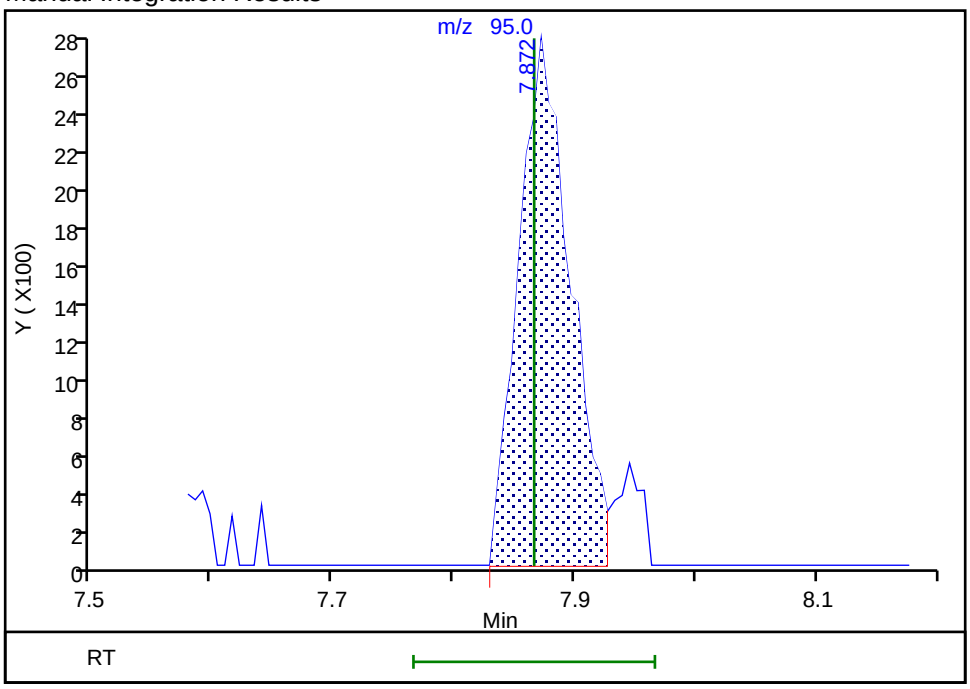
Not Detected
Expected RT: 7.87

Processing Integration Results



Manual Integration Results

RT: 7.87
Area: 8308
Amount: 0.173562
Amount Units: ug/l



Reviewer: FQ4L, 24-Oct-2024 08:37:02 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.: 410-193020-1

SDG No.:

Client Sample ID: HD-COD-SW-29-0/1-0
Lab Sample ID: 410-193020-12

Matrix: Water
Lab File ID: GC23X22.D

Analysis Method: 8260D
Date Collected: 10/18/2024 08:40

Sample wt/vol: 25(mL)
Date Analyzed: 10/23/2024 17:20

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 566703
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	0.12	J	0.50	0.090
74-87-3	Chloromethane	0.11	J	0.50	0.10
156-59-2	cis-1,2-Dichloroethene	0.20	J	0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	0.71		0.50	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-193020-1

SDG No.:

Client Sample ID: HD-COD-SW-29-0/1-0
Lab Sample ID: 410-193020-12

Matrix: Water
Lab File ID: GC23X22.D

Analysis Method: 8260D
Date Collected: 10/18/2024 08:40

Sample wt/vol: 25(mL)
Date Analyzed: 10/23/2024 17:20

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 566703
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)	92		80-120
460-00-4	4-Bromofluorobenzene (Surr)	97		80-120
1868-53-7	Dibromofluoromethane (Surr)	98		80-120
2037-26-5	Toluene-d8 (Surr)	104		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X22.D
Lims ID: 410-193020-B-12
Client ID: HD-COD-SW-29-0/1-0
Sample Type: Client
Inject. Date: 23-Oct-2024 17:20:30 ALS Bottle#: 22 Worklist Smp#: 23
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0128543-023
Operator ID: ecr105096 Instrument ID: 16334

Method: \\chromfs\Lancaster\ChromData\16334\20241023-128543.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 24-Oct-2024 08:39:35 Calib Date: 26-Aug-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\16334\20240826-123245.b\GG26X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1694

First Level Reviewer: FQ4L Date: 24-Oct-2024 08:39:35

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50	2.026	2.032	-0.006	98	6778	0.1131	
6 Vinyl chloride	62		2.136				ND	7
9 Bromomethane	94		2.453				ND	
10 Chloroethane	64		2.495				ND	7
18 1,1-Dichloroethene	96		3.288				ND	7
19 Acetone	43		3.324				ND	U
24 Carbon disulfide	76		3.562				ND	7
29 Methylene Chloride	84		3.897				ND	
* 30 t-Butyl alcohol-d10 (IS)	65	3.903	3.934	-0.031	21	59469	50.0	
33 Methyl tert-butyl ether	73		4.275				ND	
34 trans-1,2-Dichloroethene	96		4.275				ND	
37 1,1-Dichloroethane	63		4.934				ND	
41 2-Butanone (MEK)	43		5.769				ND	
42 cis-1,2-Dichloroethene	96	5.793	5.781	0.012	78	10183	0.1966	a
49 Chlorobromomethane	128		6.110				ND	
51 Chloroform	83	6.287	6.269	0.018	89	9985	0.1211	
$ 52 Dibromofluoromethane (Surr)	113	6.488	6.482	0.006	93	547529	9.83	
53 1,1,1-Trichloroethane	97		6.501				ND	U
55 Carbon tetrachloride	117		6.708				ND	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.945	6.940	0.005	67	95706	9.25	
60 Benzene	78	6.976	6.976	0.000	86	7963	0.0425	M
61 1,2-Dichloroethane	62		7.043				ND	
* 64 Fluorobenzene (IS)	96	7.384	7.385	-0.001	99	2324570	10.0	
68 Trichloroethene	95	7.872	7.866	0.006	96	14072	0.2750	Ma
70 1,2-Dichloropropane	63		8.195				ND	
76 Dichlorobromomethane	83		8.549				ND	
81 cis-1,3-Dichloropropene	75		9.110				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.305				ND	7
$ 83 Toluene-d8 (Surr)	98	9.433	9.433	0.000	93	2316190	10.4	
84 Toluene	92	9.512	9.512	0.000	98	4304	0.0359	
85 trans-1,3-Dichloropropene	75		9.787				ND	
107 1,1,2-Trichloroethane	97		9.994				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
108 Tetrachloroethene	166	10.085	10.085	0.000	96	40994	0.7086	
110 2-Hexanone	43		10.232				ND	7
112 Chlorodibromomethane	129		10.378				ND	
113 Ethylene Dibromide	107		10.488				ND	
* 114 Chlorobenzene-d5 (IS)	117	10.933	10.933	-0.001	85	1696444	10.0	
116 Chlorobenzene	112		10.957				ND	
117 1,1,1,2-Tetrachloroethane	131		11.042				ND	
118 Ethylbenzene	91		11.049				ND	7
120 m-Xylene & p-Xylene	106		11.164				ND	7
S 119 Xylenes, Total	106		11.245				ND	7
121 o-Xylene	106		11.500				ND	7
122 Styrene	104		11.518				ND	
123 Bromoform	173		11.670				ND	
$ 127 4-Bromofluorobenzene (Surr)	95	11.945	11.945	-0.001	90	757512	9.71	
128 1,1,2,2-Tetrachloroethane	83		12.048				ND	
* 142 1,4-Dichlorobenzene-d4	152	12.828	12.823	0.005	95	878312	10.0	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
Review Flags
M - Manually Integrated
U - Marked Undetected
a - User Assigned ID

Reagents:

MSV_HP25_ISSS_00101 Amount Added: 1.00 Units: uL Run Reagent

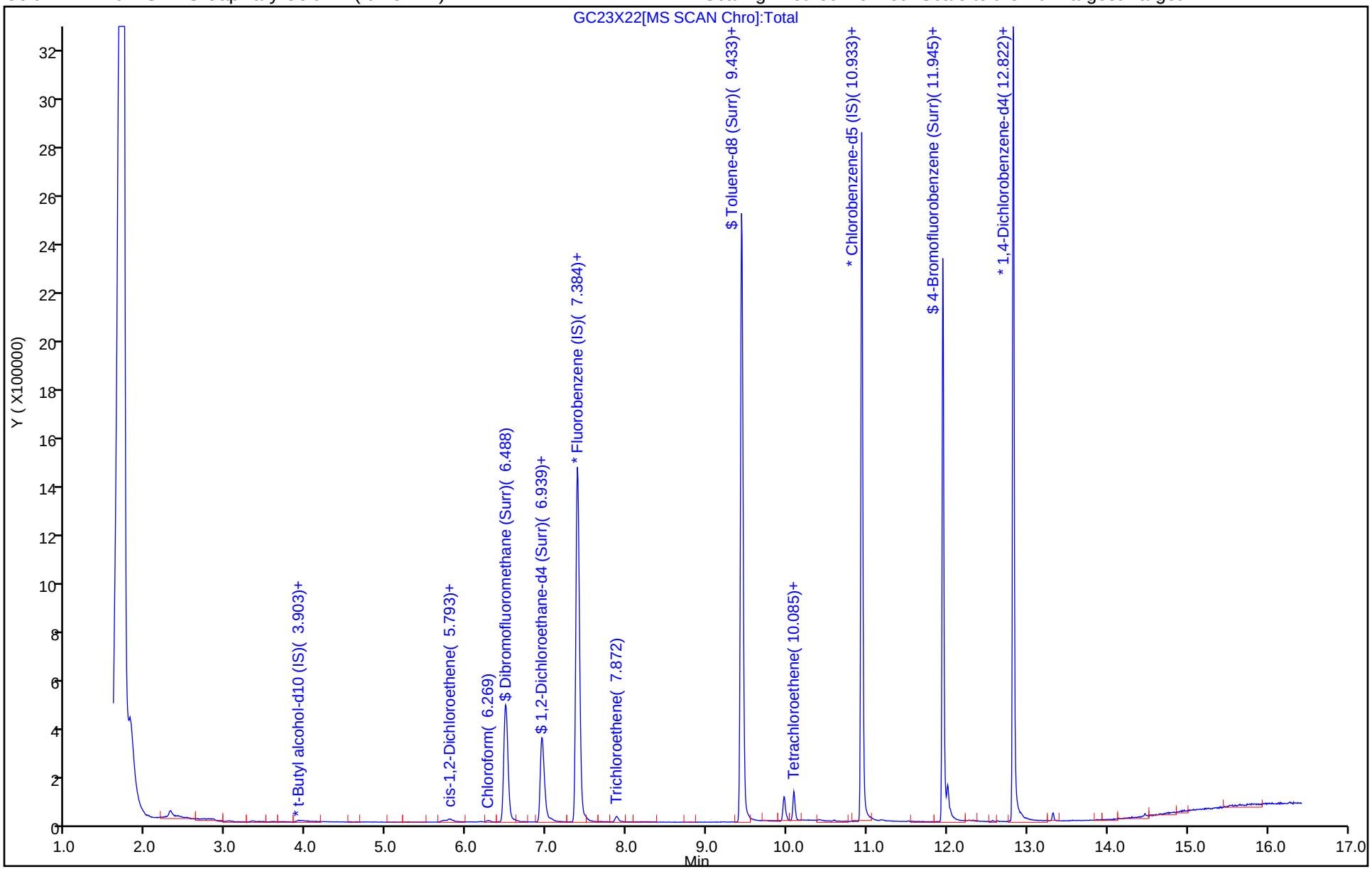
Report Date: 24-Oct-2024 08:39:36 Chrom Revision: 2.3 17-Oct-2024 11:42:22

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X22.D

Injection Date:	23-Oct-2024 17:20:30	Instrument ID:	16334	Operator ID:	ecr105096
Lims ID:	410-193020-B-12	Lab Sample ID:	410-193020-12	Worklist Smp#:	23
Client ID:	HD-COD-SW-29-0/1-0				
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	22
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X22.D
Lims ID: 410-193020-B-12
Client ID: HD-COD-SW-29-0/1-0
Sample Type: Client
Inject. Date: 23-Oct-2024 17:20:30 ALS Bottle#: 22 Worklist Smp#: 23
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0128543-023
Operator ID: ecr105096 Instrument ID: 16334

Method: \\chromfs\Lancaster\ChromData\16334\20241023-128543.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 24-Oct-2024 08:39:35 Calib Date: 26-Aug-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\16334\20240826-123245.b\GG26X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1694

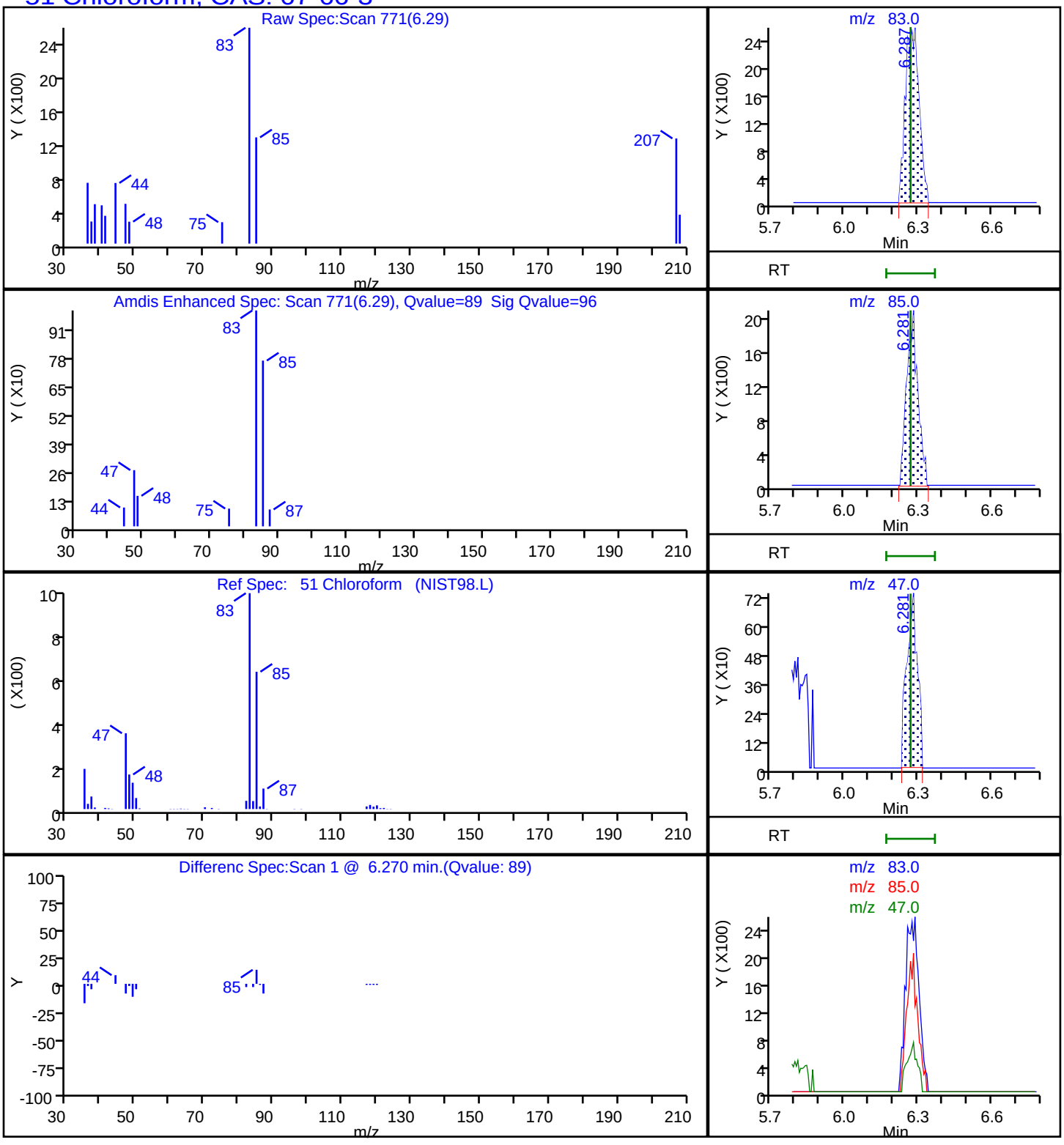
First Level Reviewer: FQ4L Date: 24-Oct-2024 08:39:35

Compound	Amount Added	Amount Recovered	% Rec.
$ 52 Dibromofluoromethane (Surr)	10.0	9.83	98.30
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	9.25	92.49
$ 83 Toluene-d8 (Surr)	10.0	10.4	104.33
$ 127 4-Bromofluorobenzene (Surr)	10.0	9.71	97.10

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X22.D				
Injection Date:	23-Oct-2024 17:20:30	Instrument ID:	16334		
Lims ID:	410-193020-B-12	Lab Sample ID:	410-193020-12		
Client ID:	HD-COD-SW-29-0/1-0				
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 (0.25 mm)	Detector	MS Quad		

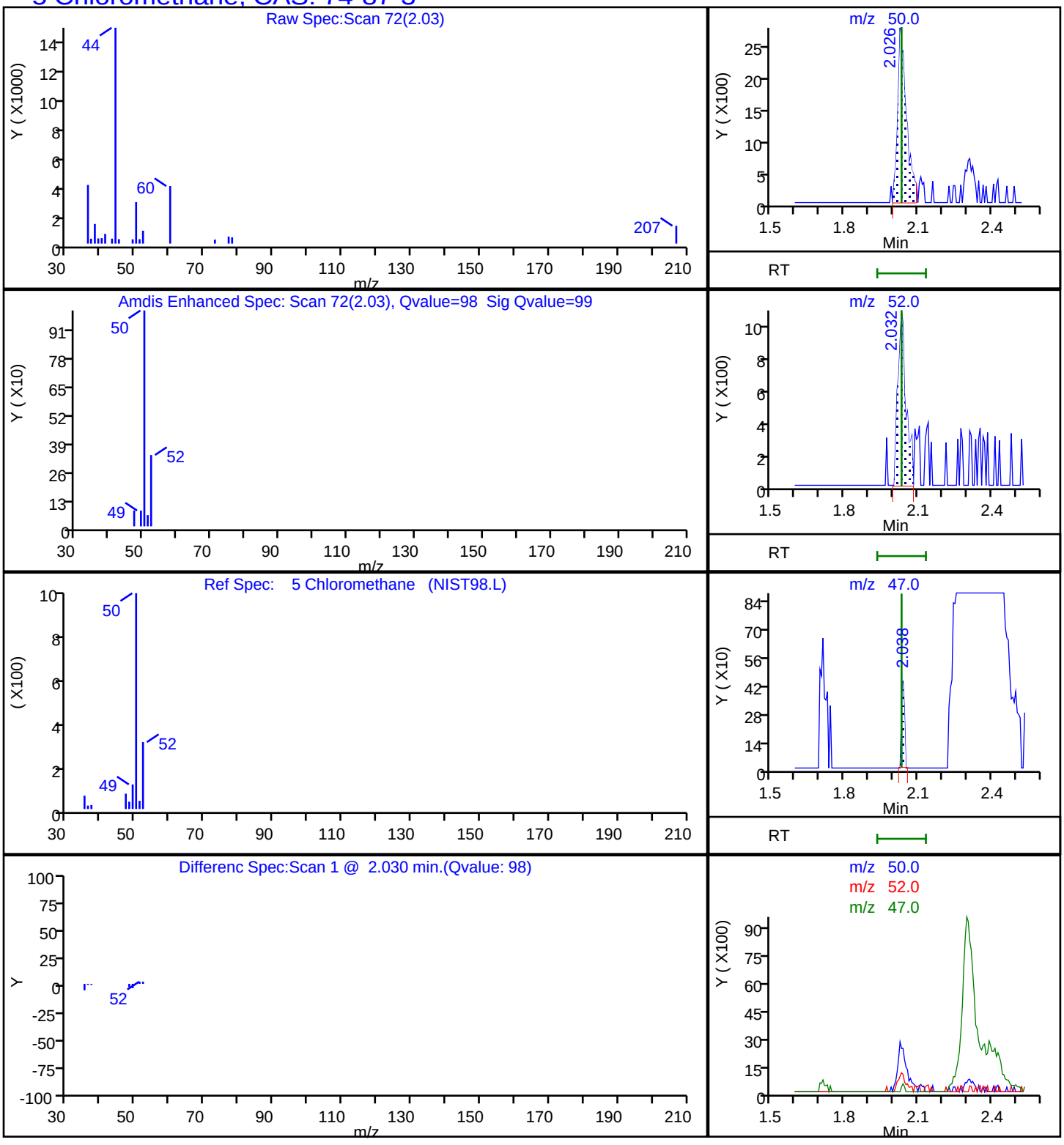
51 Chloroform, CAS: 67-66-3



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X22.D				
Injection Date:	23-Oct-2024 17:20:30	Instrument ID:	16334		
Lims ID:	410-193020-B-12	Lab Sample ID:	410-193020-12		
Client ID:	HD-COD-SW-29-0/1-0				
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 (0.25 mm)	Detector	MS Quad		

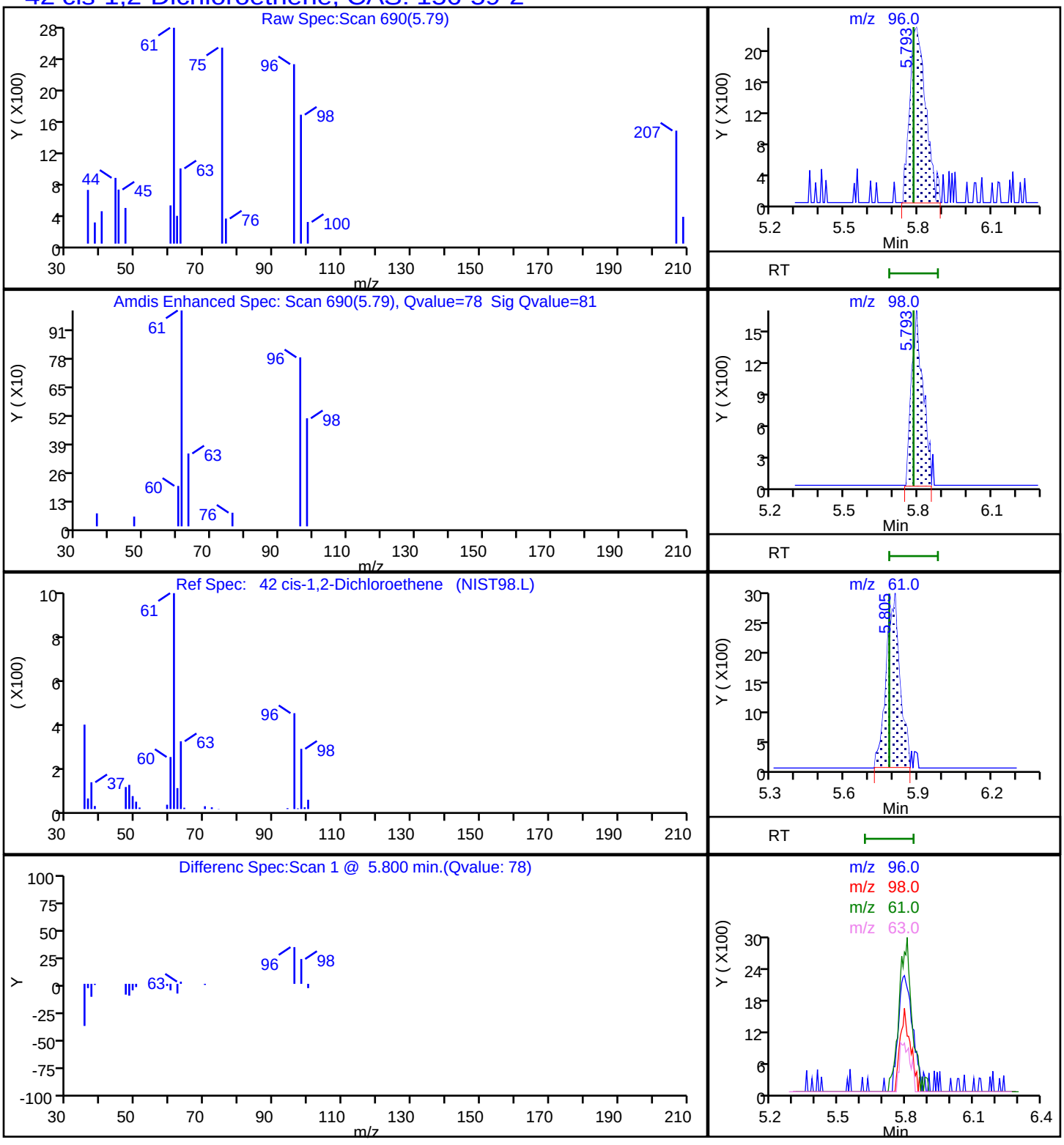
5 Chloromethane, CAS: 74-87-3



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X22.D				
Injection Date:	23-Oct-2024 17:20:30	Instrument ID:	16334		
Lims ID:	410-193020-B-12	Lab Sample ID:	410-193020-12		
Client ID:	HD-COD-SW-29-0/1-0				
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 (0.25 mm)	Detector	MS Quad		

42 cis-1,2-Dichloroethene, CAS: 156-59-2

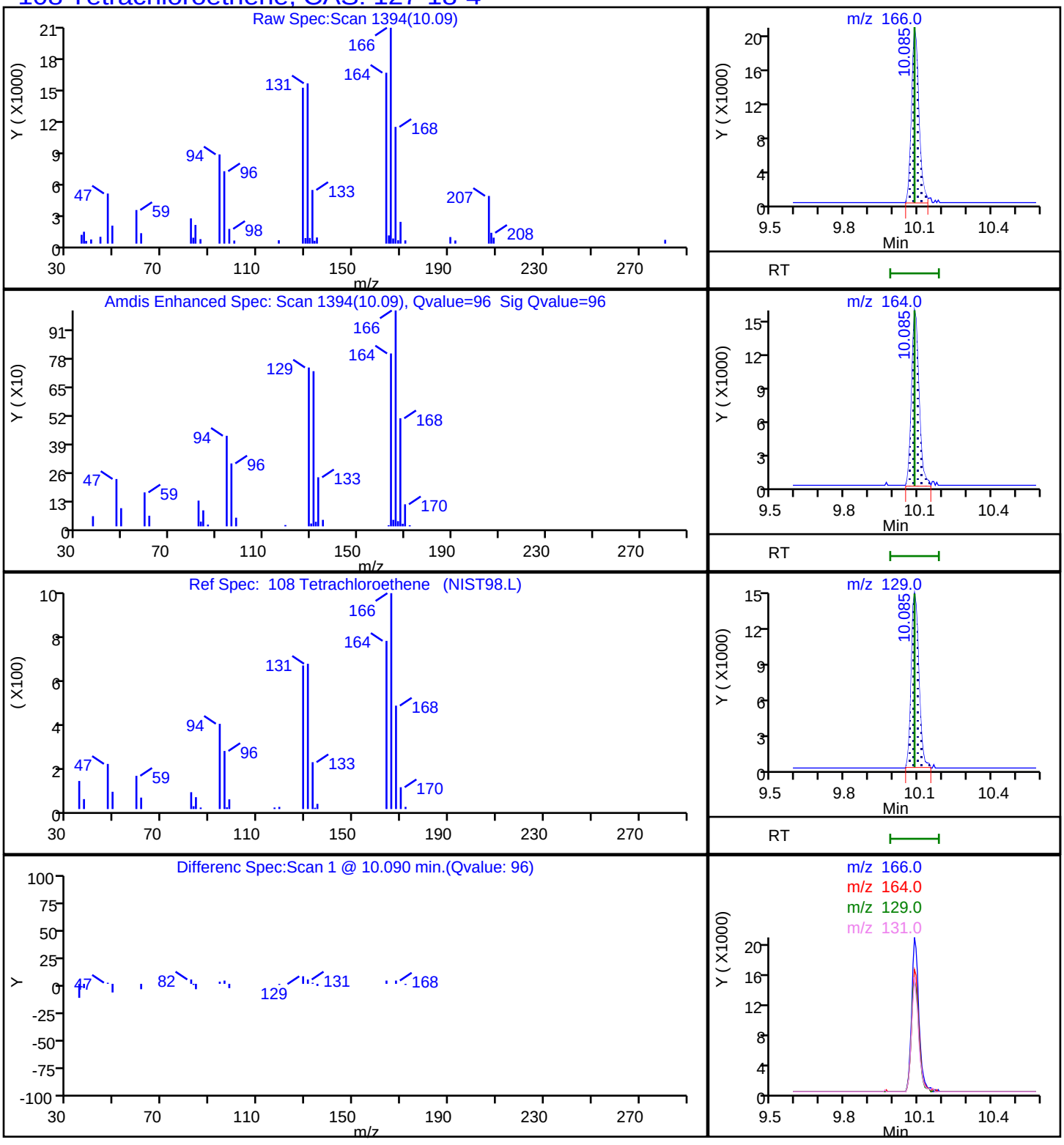


Report Date: 24-Oct-2024 08:39:36 Chrom Revision: 2.3 17-Oct-2024 11:42:22

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X22.D				
Injection Date:	23-Oct-2024 17:20:30	Instrument ID:	16334		
Lims ID:	410-193020-B-12	Lab Sample ID:	410-193020-12		
Client ID:	HD-COD-SW-29-0/1-0				
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 (0.25 mm)	Detector	MS Quad		

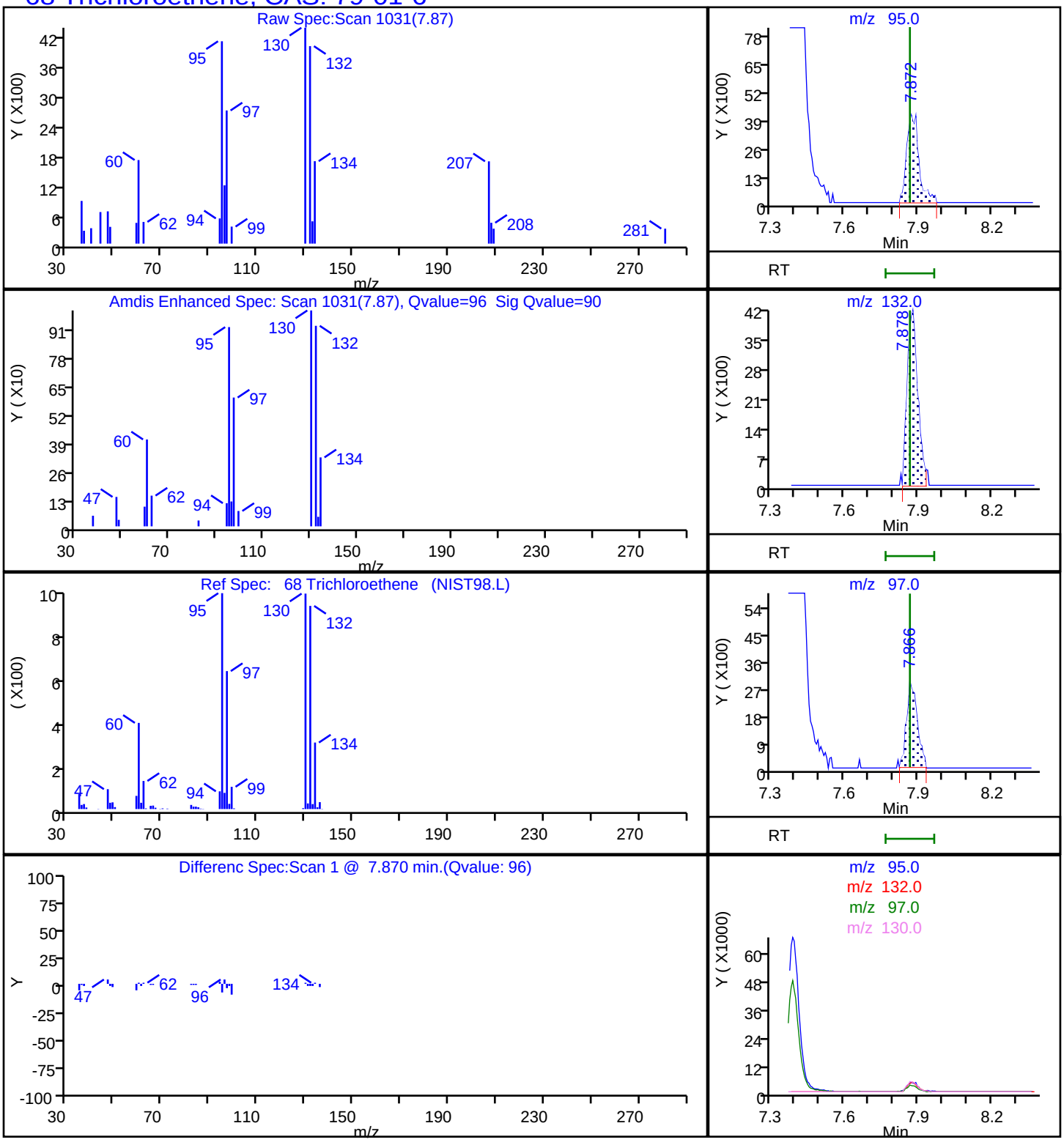
108 Tetrachloroethene, CAS: 127-18-4



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X22.D				
Injection Date:	23-Oct-2024 17:20:30	Instrument ID:	16334		
Lims ID:	410-193020-B-12	Lab Sample ID:	410-193020-12		
Client ID:	HD-COD-SW-29-0/1-0				
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 (0.25 mm)	Detector	MS Quad		

68 Trichloroethene, CAS: 79-01-6



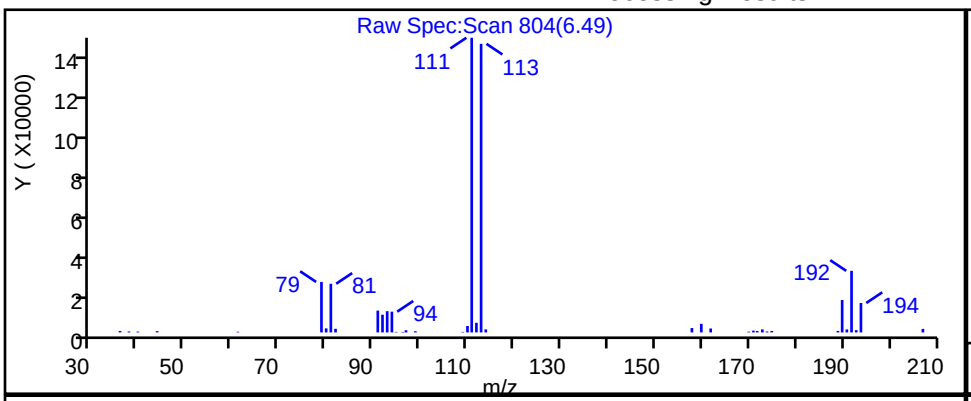
User Disabled Compound Report

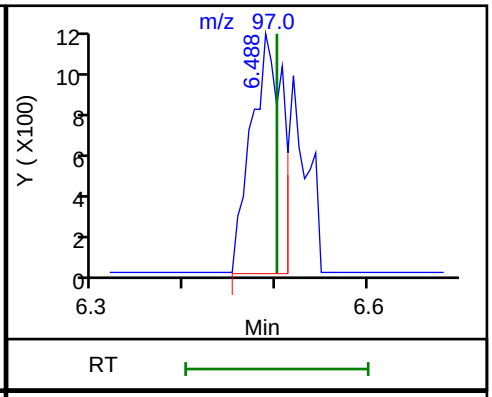
Eurofins Lancaster Laboratories Environment Testing, LLC

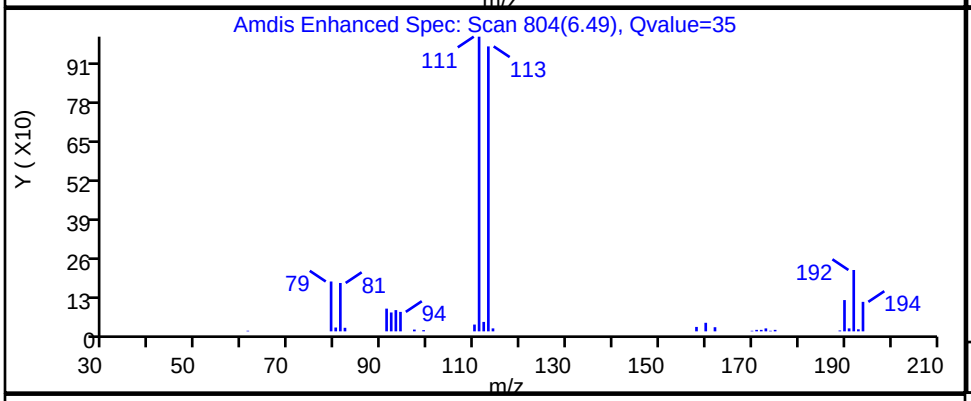
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Injection Date:	23-Oct-2024 17:20:30	Instrument ID:	16334		
Lims ID:	410-193020-B-12	Lab Sample ID:	410-193020-12		
Client ID:	HD-COD-SW-29-0/1-0				
Operator ID:	ecr105096	ALS Bottle#:	22	Worklist Smp#:	23
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

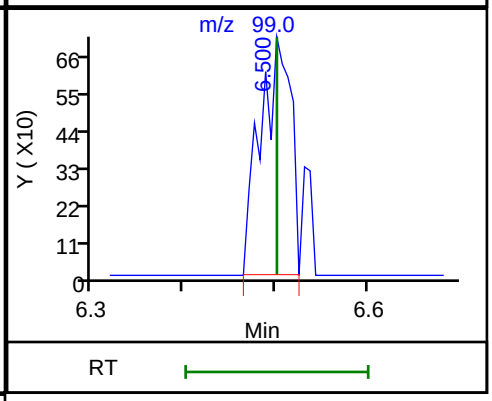
53 1,1,1-Trichloroethane, CAS: 71-55-6

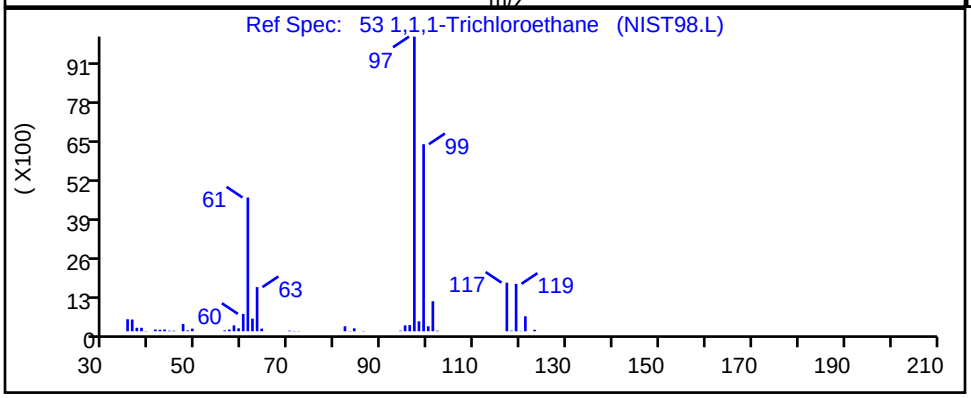
Processing Results











RT	Mass	Response	Amount
6.49	97.00	2621	0.035863
6.50	99.00	1659	

Reviewer: FQ4L, 24-Oct-2024 08:38:48 07:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

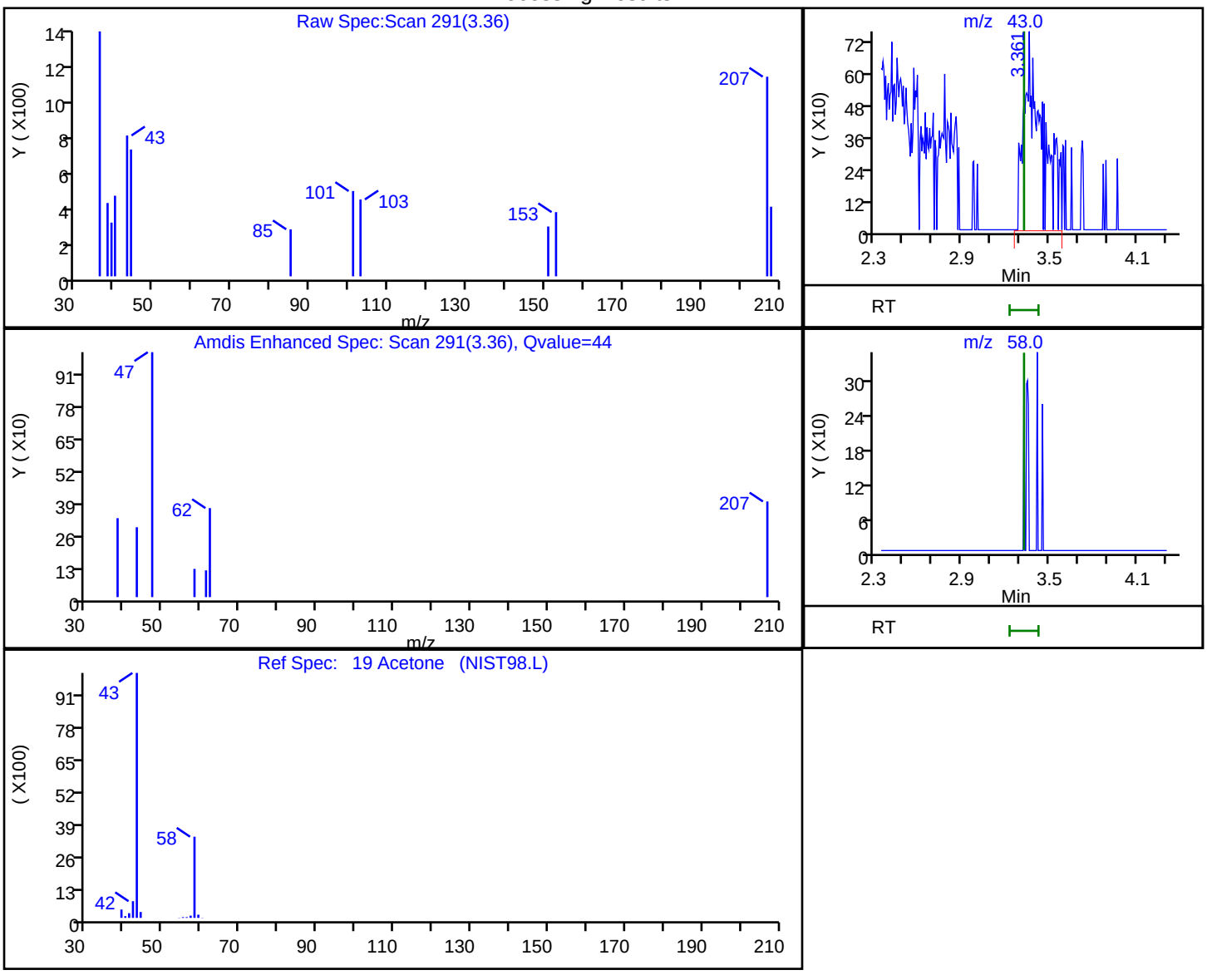
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X22.D				
Injection Date:	23-Oct-2024 17:20:30	Instrument ID:	16334		
Lims ID:	410-193020-B-12	Lab Sample ID:	410-193020-12		
Client ID:	HD-COD-SW-29-0/1-0				
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)	Detector	MS Quad		

19 Acetone, CAS: 67-64-1

Processing Results



RT	Mass	Response	Amount
3.36	43.00	6442	2.254927
3.32	58.00	0	

Reviewer: FQ4L, 24-Oct-2024 08:38:37 07:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

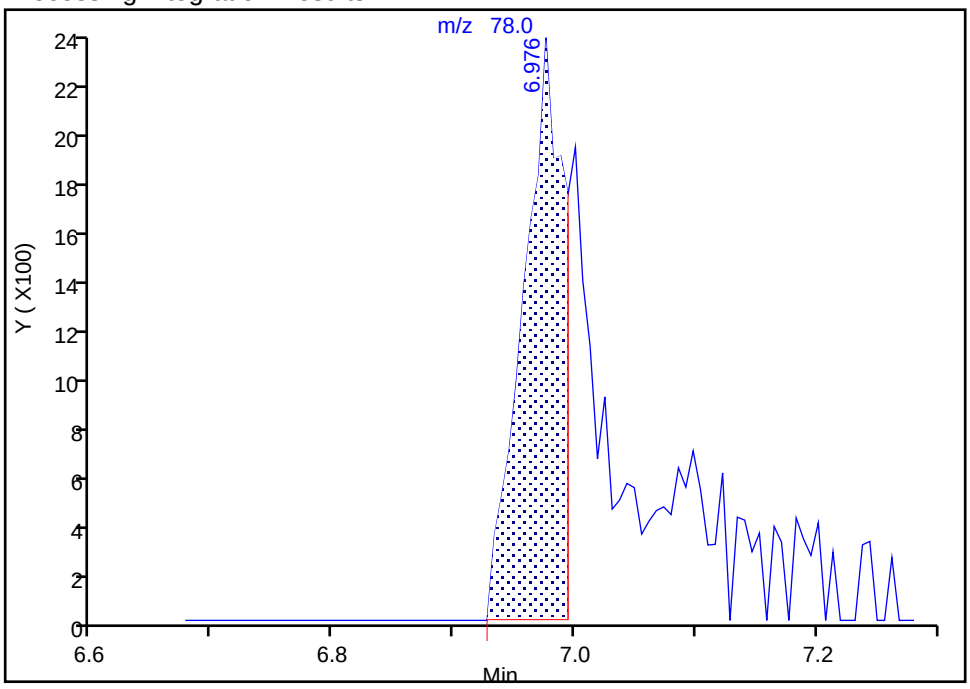
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Injection Date:	23-Oct-2024 17:20:30	Instrument ID:	16334		
Lims ID:	410-193020-B-12	Lab Sample ID:	410-193020-12		
Client ID:	HD-COD-SW-29-0/1-0				
Operator ID:	ecr105096	ALS Bottle#:	22	Worklist Smp#:	23
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

60 Benzene, CAS: 71-43-2

Signal: 1

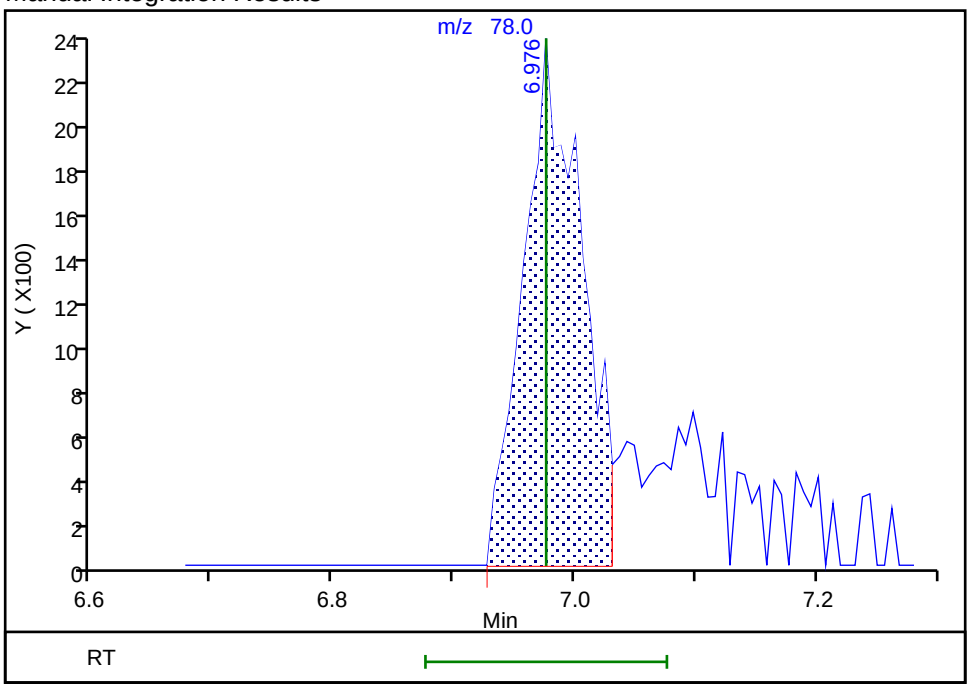
Processing Integration Results

RT: 6.98
Area: 5594
Amount: 0.029885
Amount Units: ug/l



Manual Integration Results

RT: 6.98
Area: 7963
Amount: 0.042541
Amount Units: ug/l



Reviewer: FQ4L, 24-Oct-2024 08:39:01 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

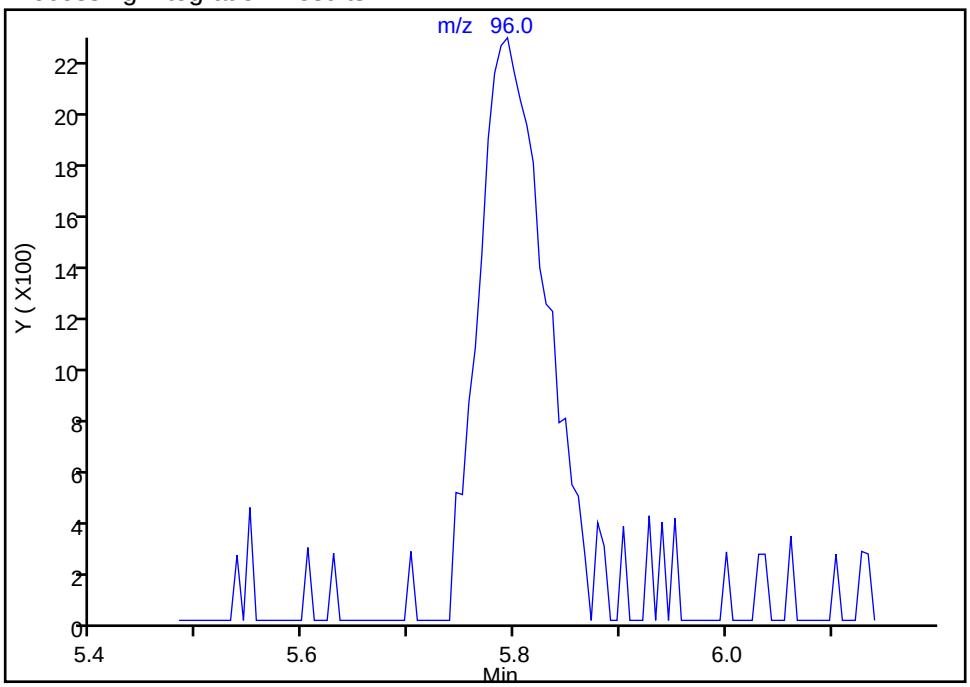
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Injection Date:	23-Oct-2024 17:20:30	Instrument ID:	16334		
Lims ID:	410-193020-B-12	Lab Sample ID:	410-193020-12		
Client ID:	HD-COD-SW-29-0/1-0				
Operator ID:	ecr105096	ALS Bottle#:	22	Worklist Smp#:	23
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

42 cis-1,2-Dichloroethene, CAS: 156-59-2

Signal: 1

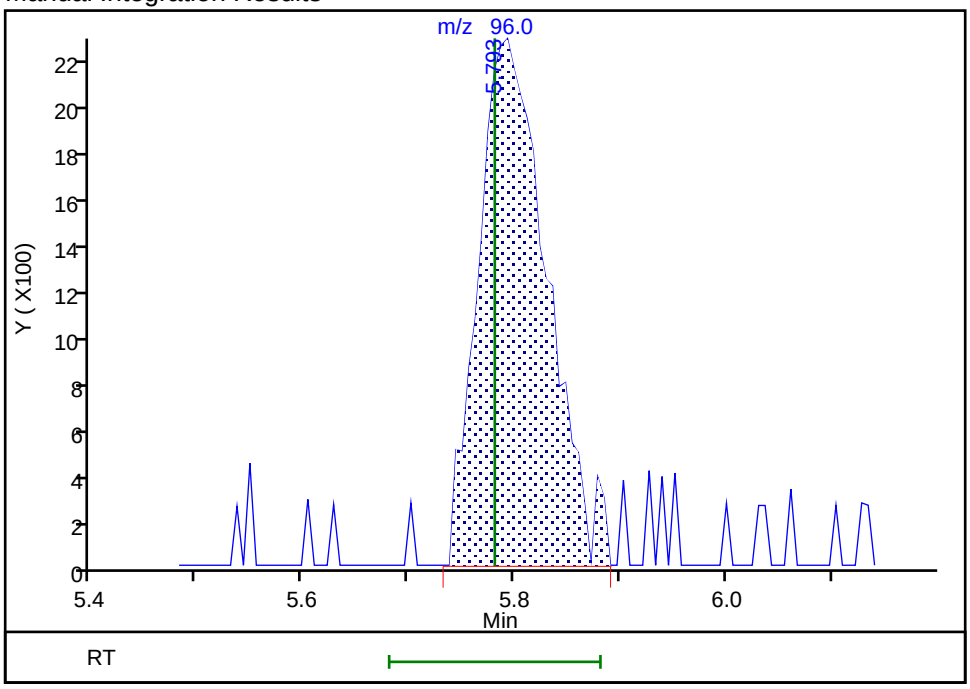
Not Detected
Expected RT: 5.78

Processing Integration Results



Manual Integration Results

RT: 5.79
Area: 10183
Amount: 0.196551
Amount Units: ug/l



Reviewer: FQ4L, 24-Oct-2024 08:38:43 07:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

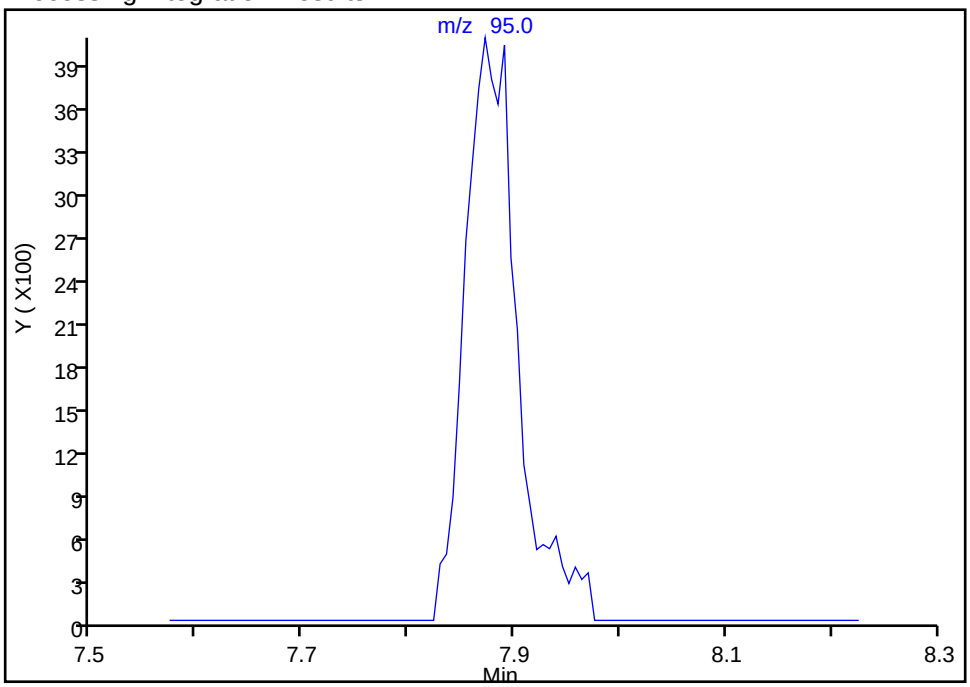
Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X22.D				
Injection Date:	23-Oct-2024 17:20:30	Instrument ID:	16334		
Lims ID:	410-193020-B-12	Lab Sample ID:	410-193020-12		
Client ID:	HD-COD-SW-29-0/1-0				
Operator ID:	ecr105096	ALS Bottle#:	22	Worklist Smp#:	23
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

68 Trichloroethene, CAS: 79-01-6

Signal: 1

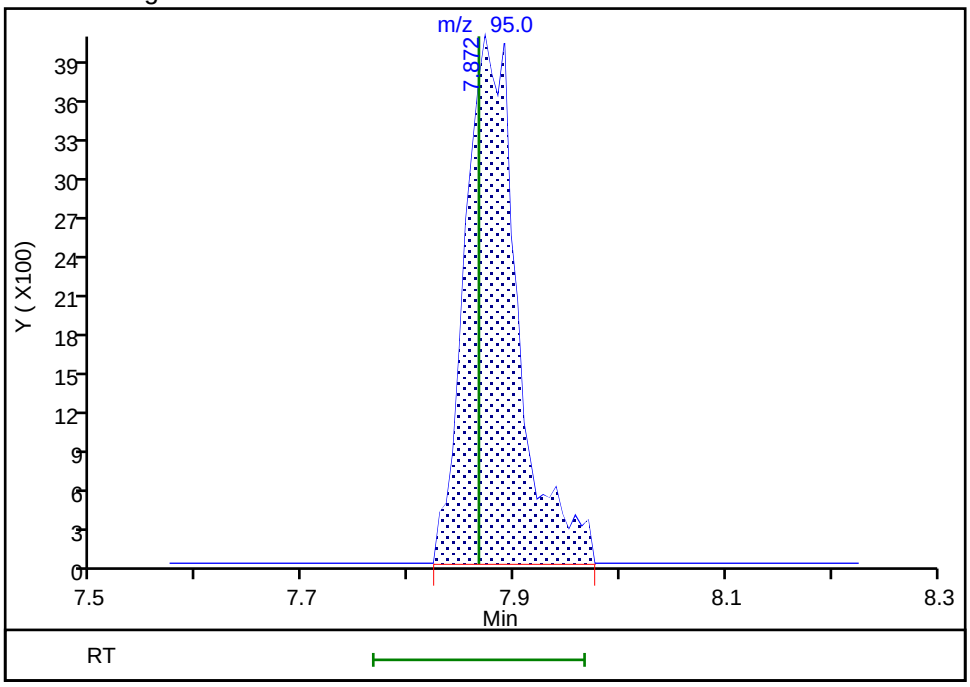
Not Detected
Expected RT: 7.87

Processing Integration Results



Manual Integration Results

RT: 7.87
Area: 14072
Amount: 0.274962
Amount Units: ug/l



Reviewer: FQ4L, 24-Oct-2024 08:39:23 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.: 410-193020-1

SDG No.:

Client Sample ID: HD-QC1-0/1-1
Lab Sample ID: 410-193020-13

Matrix: Water
Lab File ID: GC23X08.D

Analysis Method: 8260D
Date Collected: 10/18/2024 12:00

Sample wt/vol: 25(mL)
Date Analyzed: 10/23/2024 12:11

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 566703
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	9.7		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.10
79-00-5	1,1,2-Trichloroethane	ND		0.50	0.080
75-34-3	1,1-Dichloroethane	1.6		0.50	0.10
75-35-4	1,1-Dichloroethene	0.71		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	2.2		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
108-88-3	Toluene	ND		0.50	0.080

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-193020-1

SDG No.:

Client Sample ID: HD-QC1-0/1-1
Lab Sample ID: 410-193020-13

Matrix: Water
Lab File ID: GC23X08.D

Analysis Method: 8260D
Date Collected: 10/18/2024 12:00

Sample wt/vol: 25(mL)
Date Analyzed: 10/23/2024 12:11

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 566703
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	4.4		0.50	0.080
75-01-4	Vinyl chloride	ND		0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		80-120
460-00-4	4-Bromofluorobenzene (Surr)	102		80-120
1868-53-7	Dibromofluoromethane (Surr)	102		80-120
2037-26-5	Toluene-d8 (Surr)	106		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X08.D
Lims ID: 410-193020-B-13
Client ID: HD-QC1-0/1-1
Sample Type: Client
Inject. Date: 23-Oct-2024 12:11:30 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0128543-009
Operator ID: ecr105096 Instrument ID: 16334

Method: \\chromfs\Lancaster\ChromData\16334\20241023-128543.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 24-Oct-2024 08:20:44 Calib Date: 26-Aug-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\16334\20240826-123245.b\GG26X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1694

First Level Reviewer: FQ4L Date: 24-Oct-2024 08:20:44

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50		2.032				ND	
6 Vinyl chloride	62		2.136				ND	7
9 Bromomethane	94		2.453				ND	
10 Chloroethane	64		2.495				ND	
18 1,1-Dichloroethene	96	3.288	3.288	0.000	98	26783	0.7140	
19 Acetone	43		3.324				ND	
24 Carbon disulfide	76		3.562				ND	7
29 Methylene Chloride	84		3.897				ND	
* 30 t-Butyl alcohol-d10 (IS)	65	3.940	3.934	0.006	24	94293	50.0	
33 Methyl tert-butyl ether	73		4.275				ND	7
34 trans-1,2-Dichloroethene	96	4.281	4.275	0.006	10	2065	0.0476	Ma
37 1,1-Dichloroethane	63	4.940	4.934	0.006	96	117522	1.58	
41 2-Butanone (MEK)	43		5.769				ND	
42 cis-1,2-Dichloroethene	96	5.781	5.781	0.000	80	106248	2.19	
49 Chlorobromomethane	128		6.110				ND	
51 Chloroform	83	6.269	6.269	0.000	94	13762	0.1786	
$ 52 Dibromofluoromethane (Surr)	113	6.488	6.482	0.006	93	529845	10.2	
53 1,1,1-Trichloroethane	97	6.494	6.501	-0.007	98	662593	9.70	
55 Carbon tetrachloride	117		6.708				ND	7
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.945	6.940	0.005	66	92557	9.57	
60 Benzene	78		6.976				ND	
61 1,2-Dichloroethane	62		7.043				ND	
* 64 Fluorobenzene (IS)	96	7.384	7.385	-0.001	99	2171884	10.0	
68 Trichloroethene	95	7.872	7.866	0.006	98	208842	4.37	
70 1,2-Dichloropropane	63		8.195				ND	
76 Dichlorobromomethane	83		8.549				ND	
81 cis-1,3-Dichloropropene	75		9.110				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.305				ND	
$ 83 Toluene-d8 (Surr)	98	9.433	9.433	0.000	94	2186158	10.6	
84 Toluene	92		9.512				ND	7
85 trans-1,3-Dichloropropene	75		9.787				ND	
107 1,1,2-Trichloroethane	97		9.994				ND	U

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
108 Tetrachloroethene	166	10.085	10.085	0.000	96	8363060	156.0	E
110 2-Hexanone	43		10.232				ND	
112 Chlorodibromomethane	129		10.378				ND	
113 Ethylene Dibromide	107		10.488				ND	
* 114 Chlorobenzene-d5 (IS)	117	10.933	10.933	-0.001	85	1572375	10.0	
116 Chlorobenzene	112		10.957				ND	
117 1,1,1,2-Tetrachloroethane	131		11.042				ND	
118 Ethylbenzene	91		11.049				ND	
120 m-Xylene & p-Xylene	106		11.164				ND	7
S 119 Xylenes, Total	106		11.245				ND	7
121 o-Xylene	106		11.500				ND	
122 Styrene	104		11.518				ND	
123 Bromoform	173		11.670				ND	
$ 127 4-Bromofluorobenzene (Surr)	95	11.945	11.945	-0.001	89	737352	10.2	
128 1,1,2,2-Tetrachloroethane	83		12.048				ND	
* 142 1,4-Dichlorobenzene-d4	152	12.828	12.823	0.005	96	838151	10.0	

QC Flag Legend

Processing Flags
- E - Exceeded Maximum Amount
- 7 - Failed Limit of Detection

Review Flags
- M - Manually Integrated
- U - Marked Undetected
- a - User Assigned ID

Reagents:

MSV_HP25_ISSS_00101 Amount Added: 1.00 Units: uL Run Reagent

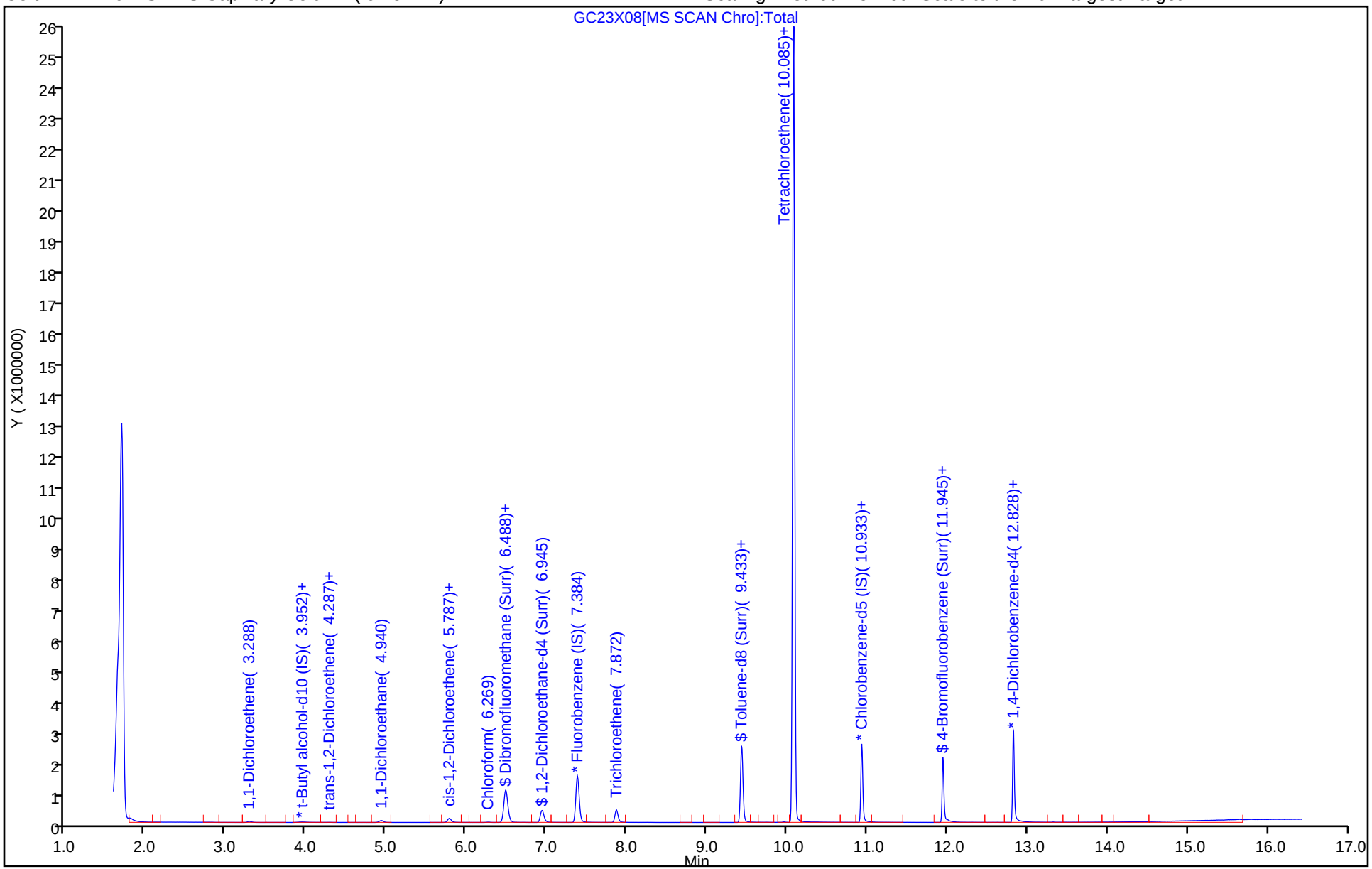
Report Date: 24-Oct-2024 08:20:44 Chrom Revision: 2.3 17-Oct-2024 11:42:22

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X08.D

Injection Date:	23-Oct-2024 12:11:30	Instrument ID:	16334	Operator ID:	ecr105096
Lims ID:	410-193020-B-13	Lab Sample ID:	410-193020-13	Worklist Smp#:	9
Client ID:	HD-QC1-0/1-1				
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

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X08.D
Lims ID: 410-193020-B-13
Client ID: HD-QC1-0/1-1
Sample Type: Client
Inject. Date: 23-Oct-2024 12:11:30 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0128543-009
Operator ID: ecr105096 Instrument ID: 16334

Method: \\chromfs\Lancaster\ChromData\16334\20241023-128543.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 24-Oct-2024 08:20:44 Calib Date: 26-Aug-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\16334\20240826-123245.b\GG26X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1694

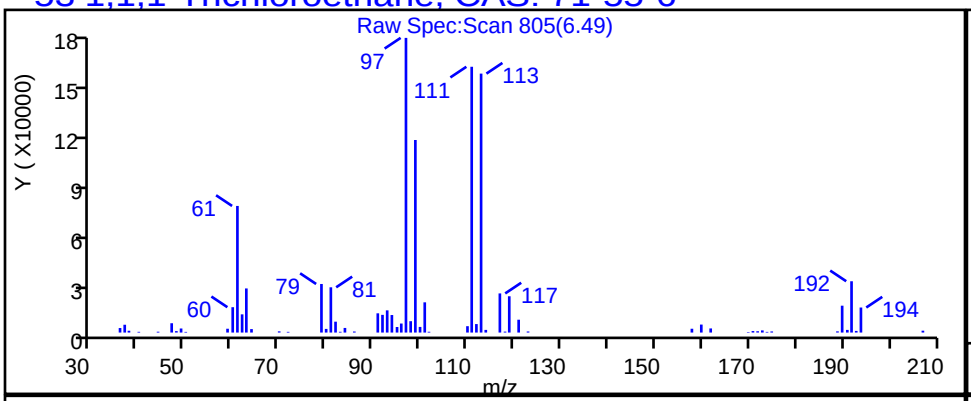
First Level Reviewer: FQ4L Date: 24-Oct-2024 08:20:44

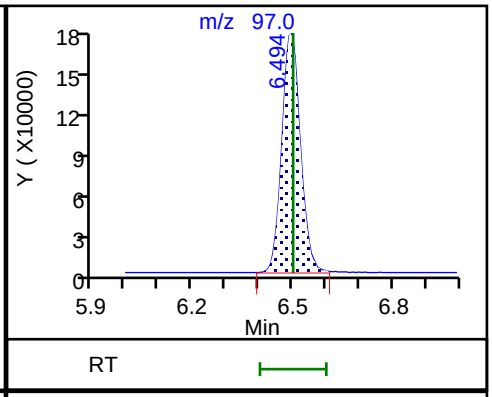
Compound	Amount Added	Amount Recovered	% Rec.
$ 52 Dibromofluoromethane (Surr)	10.0	10.2	101.82
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	9.57	95.73
$ 83 Toluene-d8 (Surr)	10.0	10.6	106.24
$ 127 4-Bromofluorobenzene (Surr)	10.0	10.2	101.97

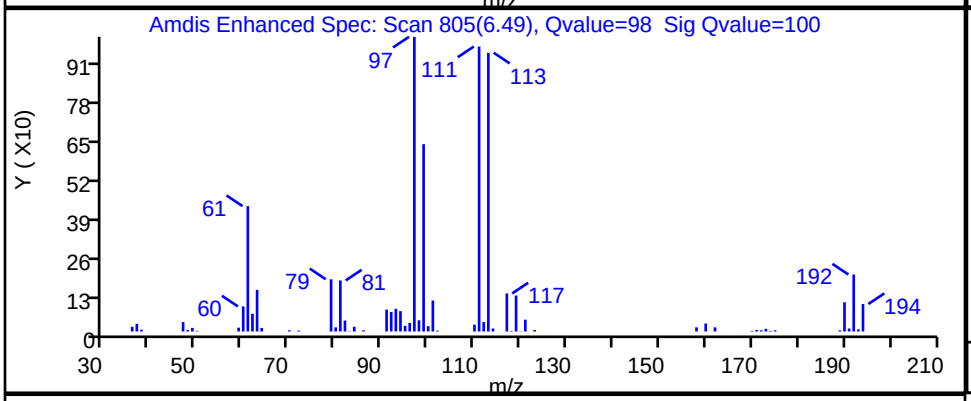
Eurofins Lancaster Laboratories Environment Testing, LLC

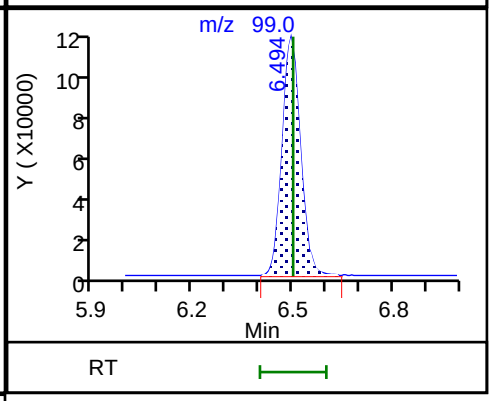
Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X08.D				
Injection Date:	23-Oct-2024 12:11:30	Instrument ID:	16334		
Lims ID:	410-193020-B-13	Lab Sample ID:	410-193020-13		
Client ID:	HD-QC1-0/1-1				
Operator ID:	ecr105096	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

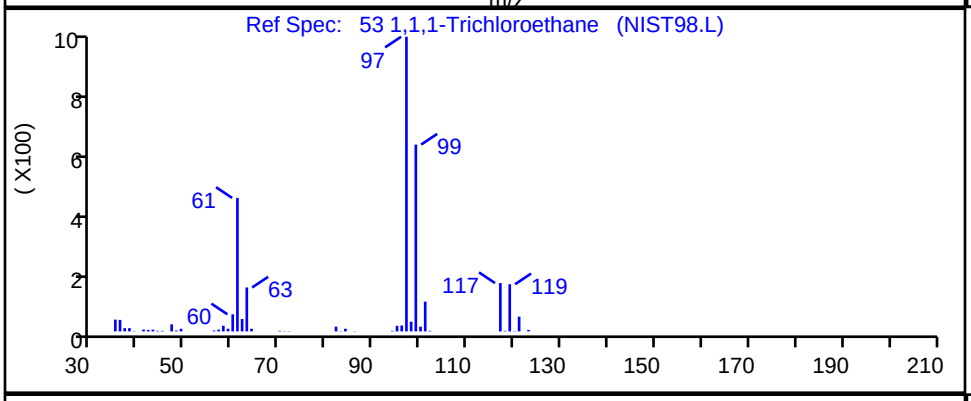
53 1,1,1-Trichloroethane, CAS: 71-55-6

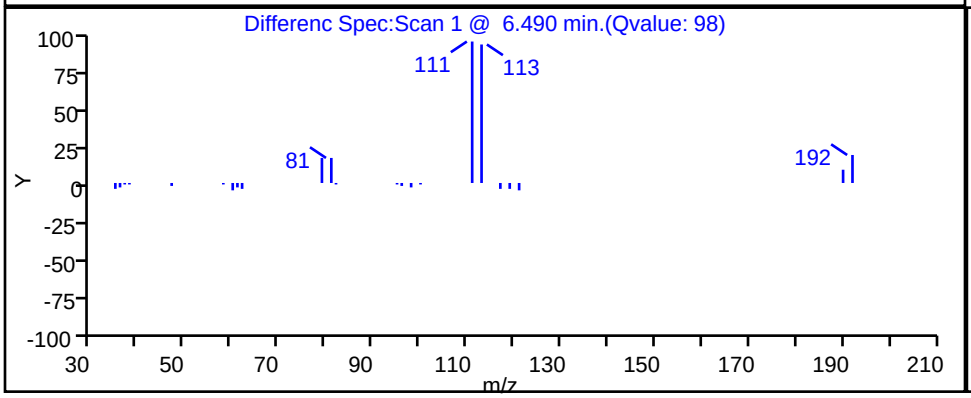


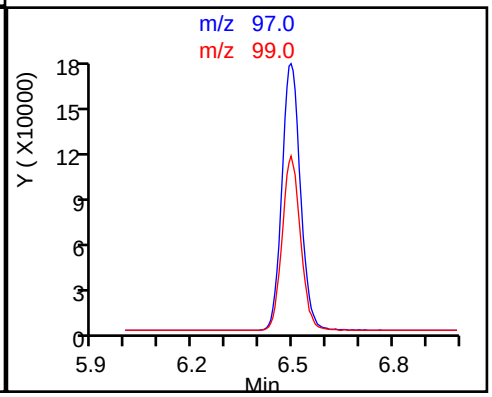










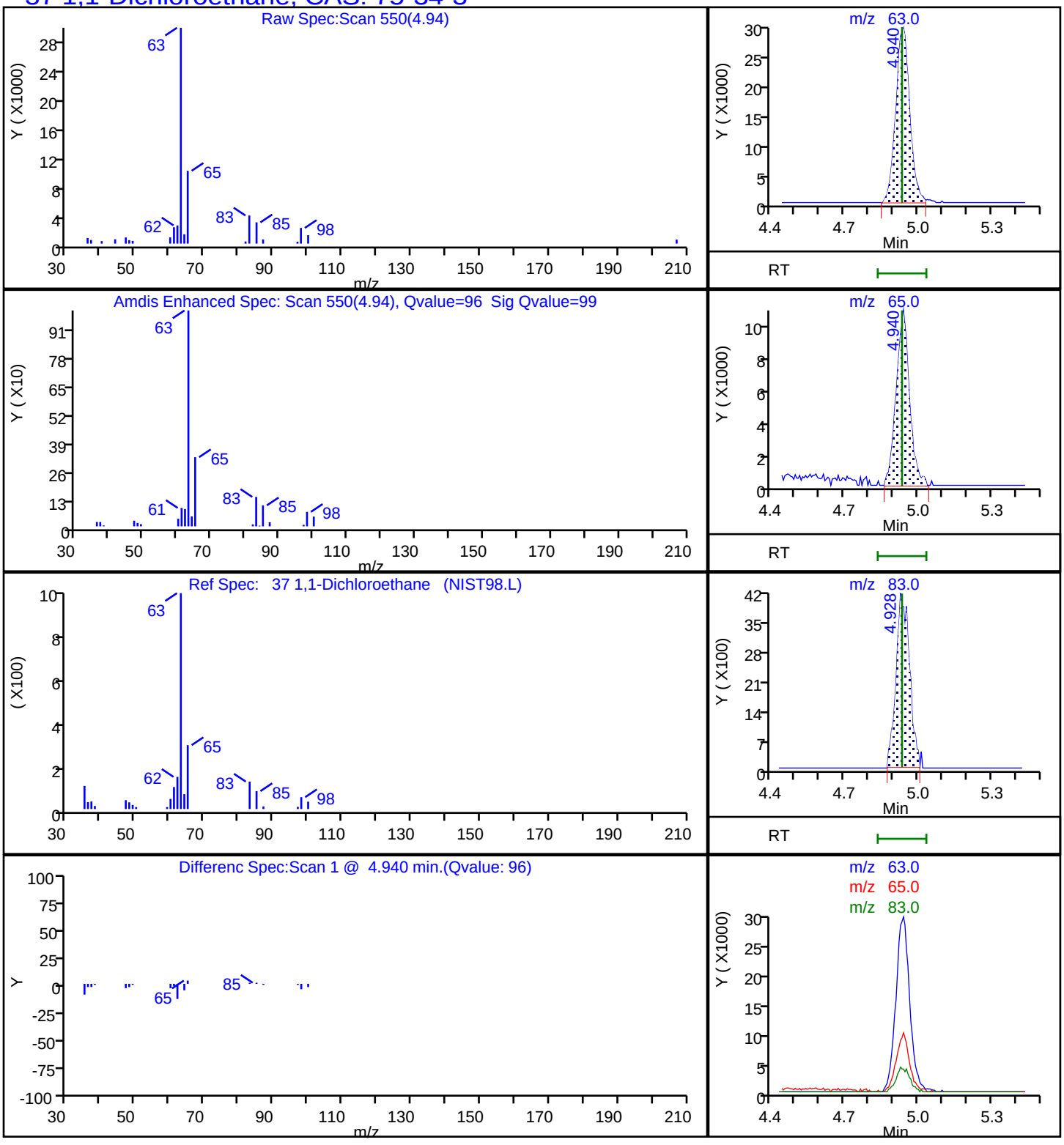


Report Date: 24-Oct-2024 08:20:44 Chrom Revision: 2.3 17-Oct-2024 11:42:22

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X08.D				
Injection Date:	23-Oct-2024 12:11:30	Instrument ID:	16334		
Lims ID:	410-193020-B-13	Lab Sample ID:	410-193020-13		
Client ID:	HD-QC1-0/1-1				
Operator ID:	ecr105096	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

37 1,1-Dichloroethane, CAS: 75-34-3

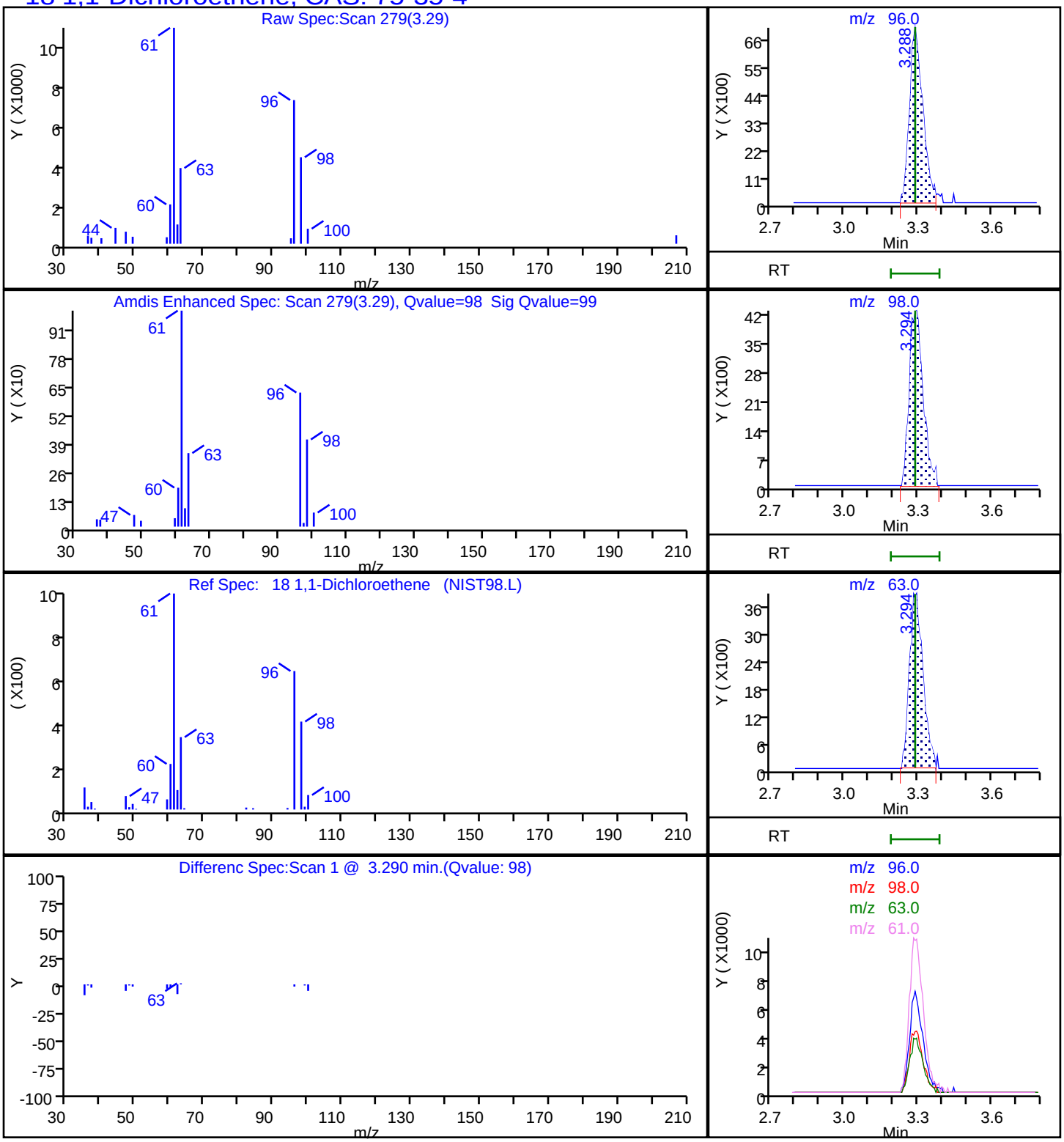


Report Date: 24-Oct-2024 08:20:44 Chrom Revision: 2.3 17-Oct-2024 11:42:22

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X08.D				
Injection Date:	23-Oct-2024 12:11:30	Instrument ID:	16334		
Lims ID:	410-193020-B-13	Lab Sample ID:	410-193020-13		
Client ID:	HD-QC1-0/1-1				
Operator ID:	ecr105096	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

18 1,1-Dichloroethene, CAS: 75-35-4

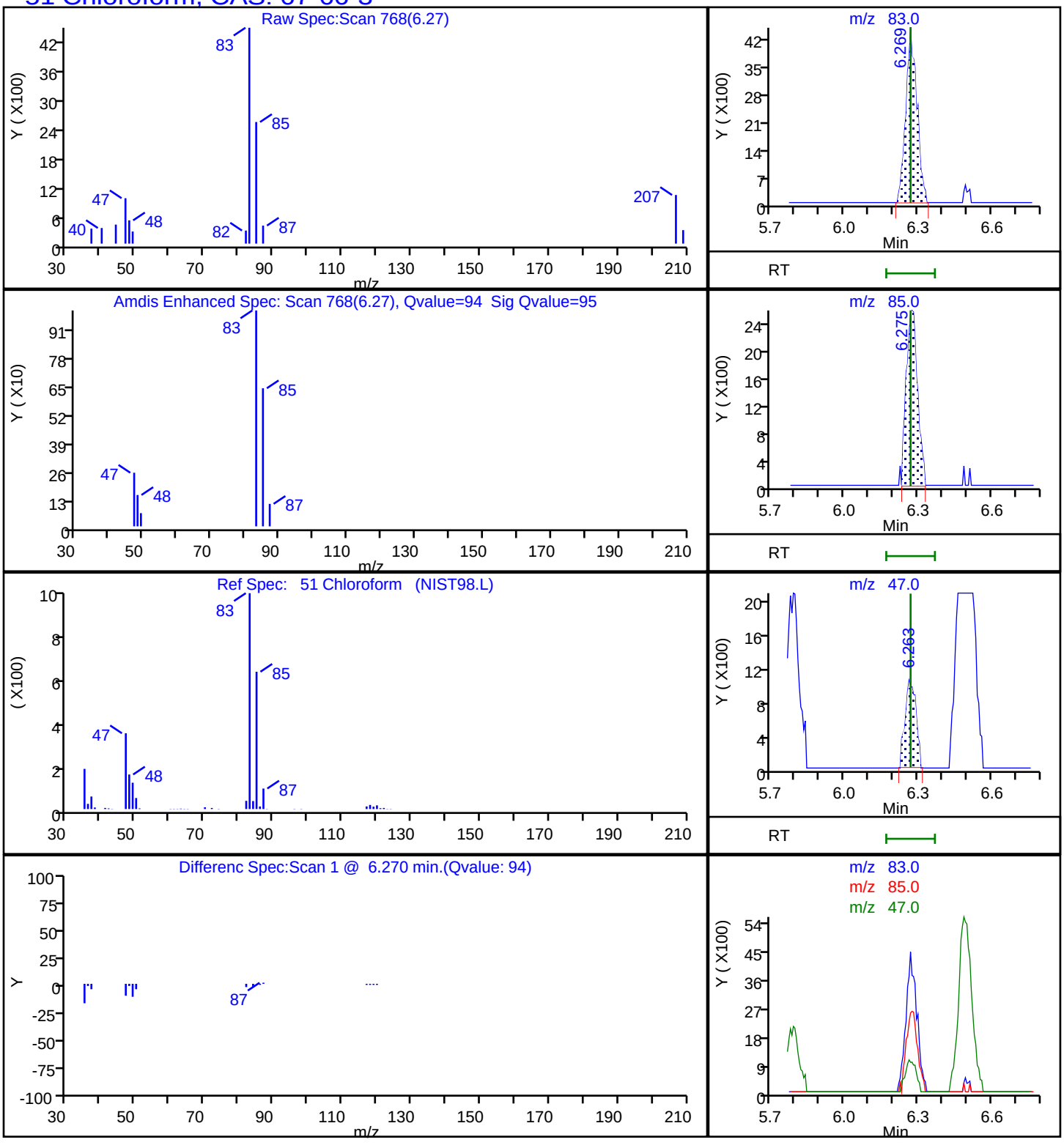


Report Date: 24-Oct-2024 08:20:44 Chrom Revision: 2.3 17-Oct-2024 11:42:22

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X08.D				
Injection Date:	23-Oct-2024 12:11:30	Instrument ID:	16334		
Lims ID:	410-193020-B-13	Lab Sample ID:	410-193020-13		
Client ID:	HD-QC1-0/1-1				
Operator ID:	ecr105096	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

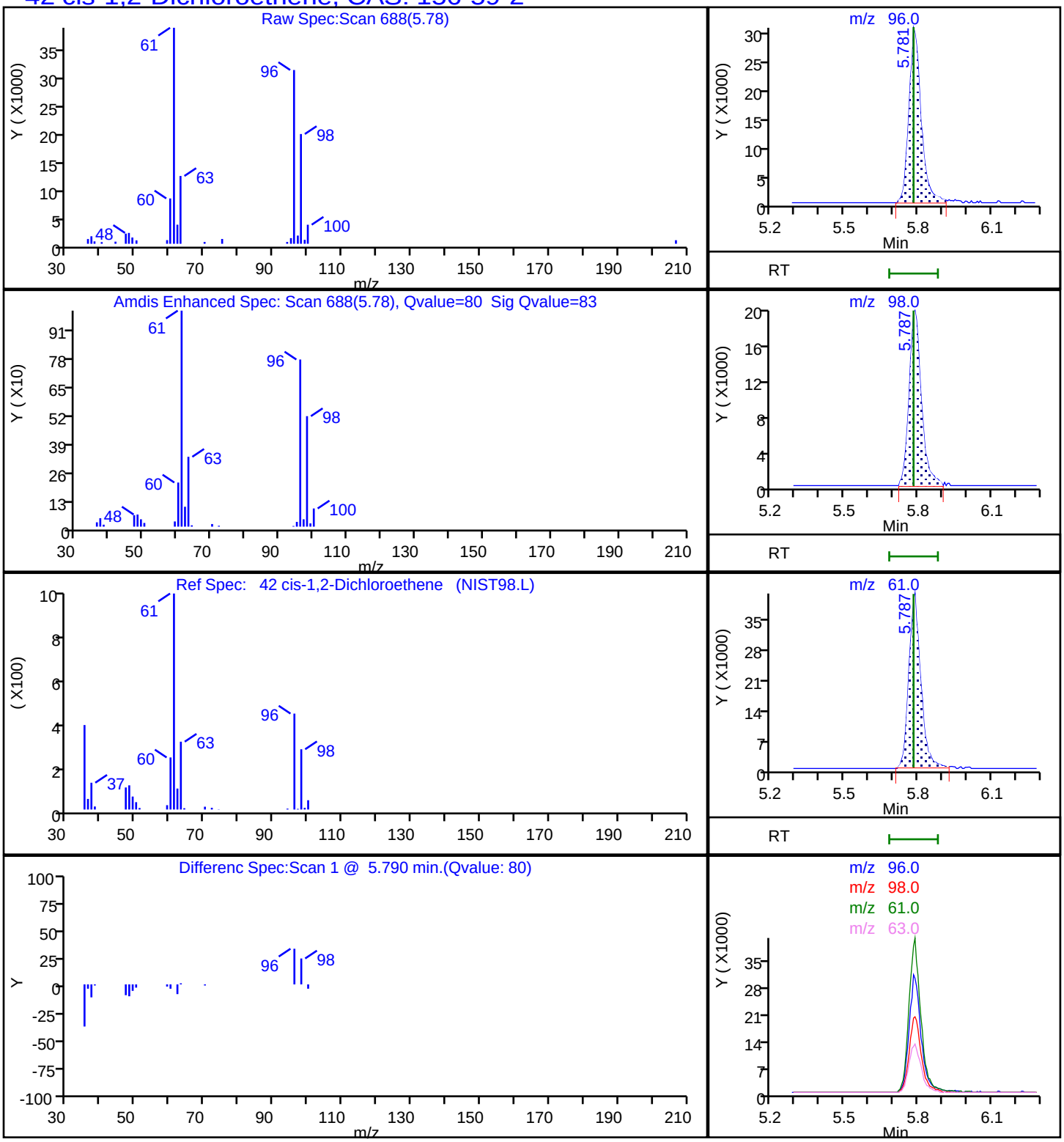
51 Chloroform, CAS: 67-66-3



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X08.D				
Injection Date:	23-Oct-2024 12:11:30	Instrument ID:	16334		
Lims ID:	410-193020-B-13	Lab Sample ID:	410-193020-13		
Client ID:	HD-QC1-0/1-1				
Operator ID:	ecr105096	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

42 cis-1,2-Dichloroethene, CAS: 156-59-2

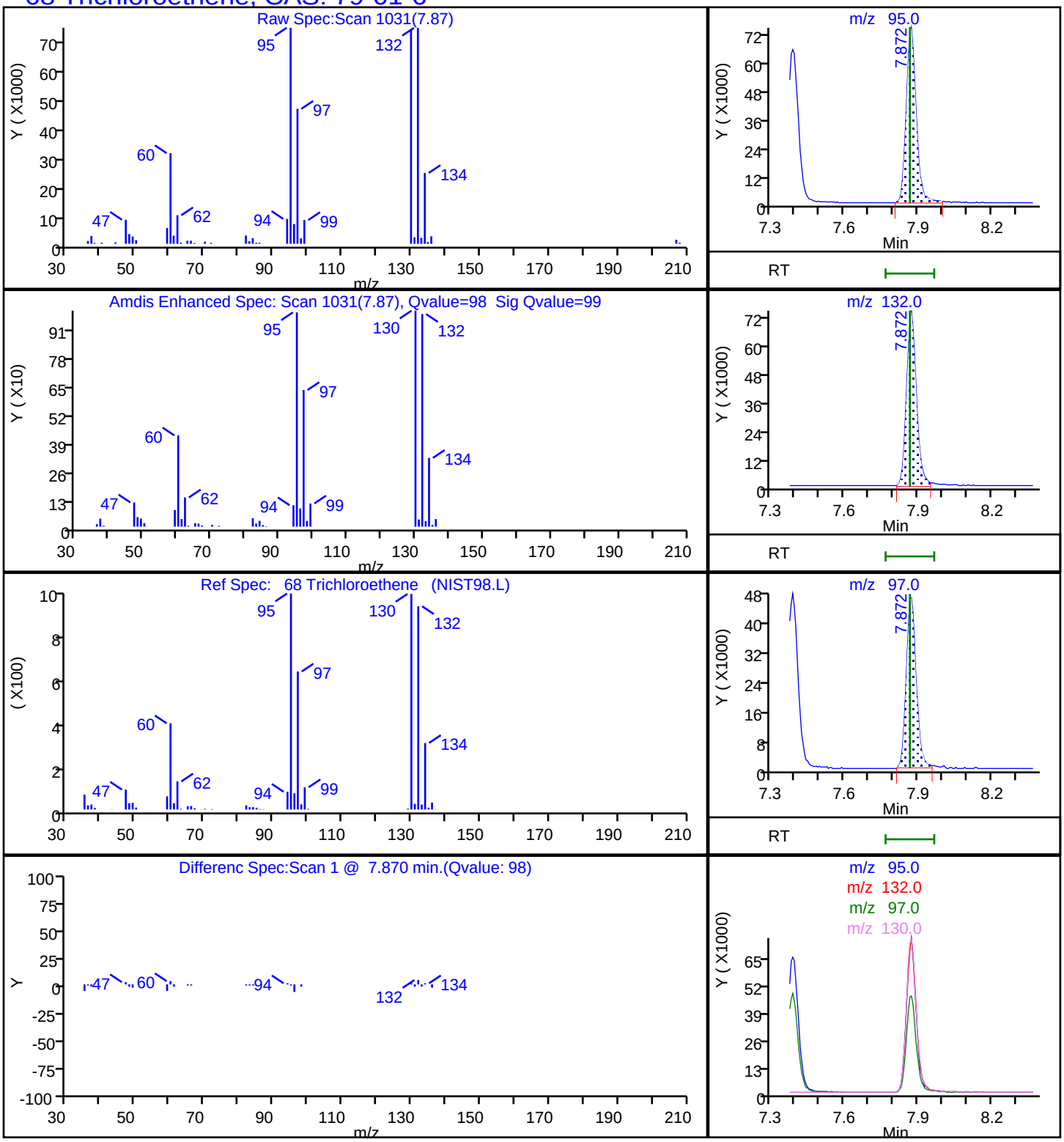


Report Date: 24-Oct-2024 08:20:44 Chrom Revision: 2.3 17-Oct-2024 11:42:22

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X08.D				
Injection Date:	23-Oct-2024 12:11:30	Instrument ID:	16334		
Lims ID:	410-193020-B-13	Lab Sample ID:	410-193020-13		
Client ID:	HD-QC1-0/1-1				
Operator ID:	ecr105096	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

68 Trichloroethene, CAS: 79-01-6



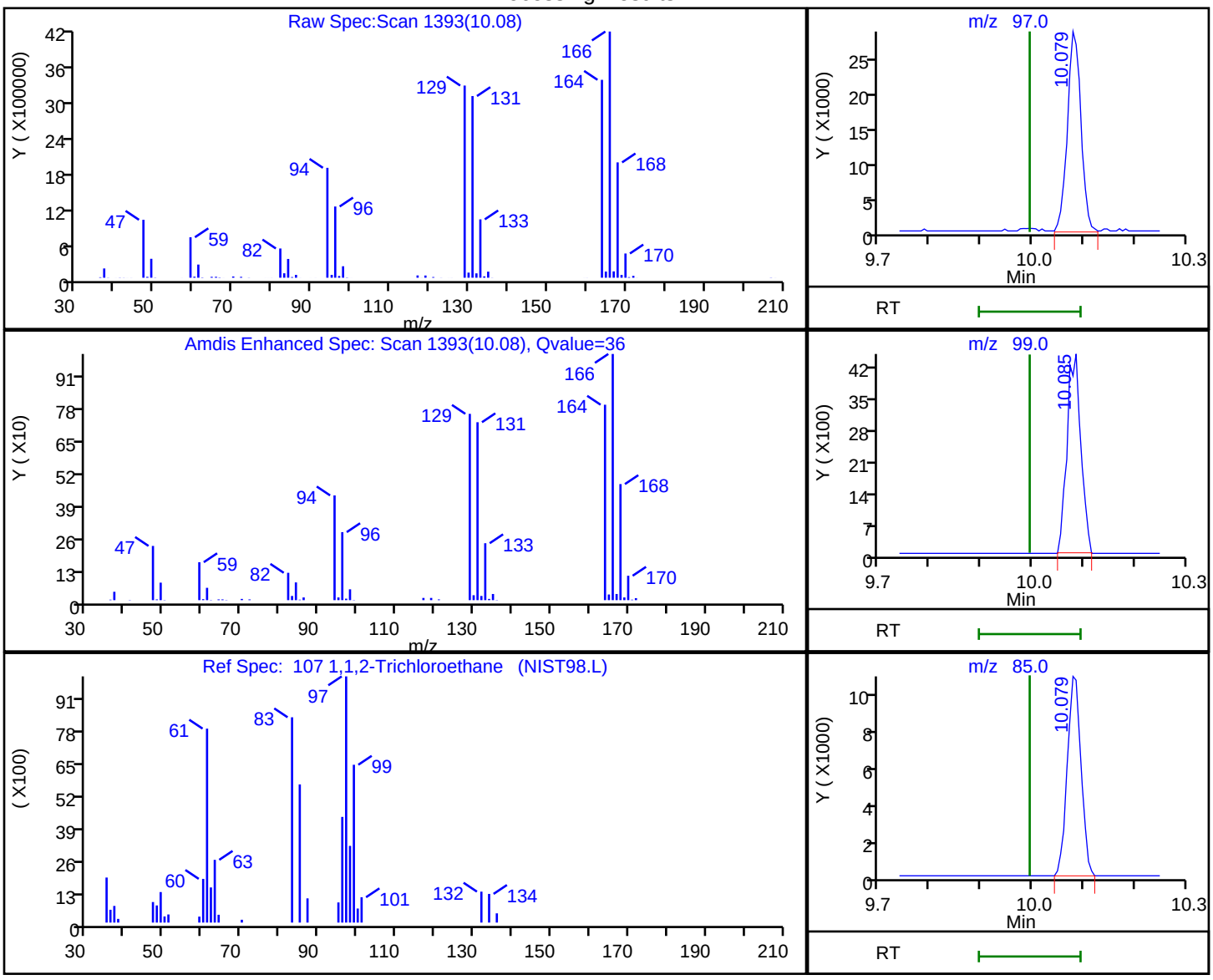
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X08.D				
Injection Date:	23-Oct-2024 12:11:30	Instrument ID:	16334		
Lims ID:	410-193020-B-13	Lab Sample ID:	410-193020-13		
Client ID:	HD-QC1-0/1-1				
Operator ID:	ecr105096	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

107 1,1,2-Trichloroethane, CAS: 79-00-5

Processing Results



RT	Mass	Response	Amount
10.08	97.00	52956	2.094313
10.09	99.00	8446	
10.08	85.00	20549	
10.09	83.00	139966	

Reviewer: FQ4L, 24-Oct-2024 08:20:22 07:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

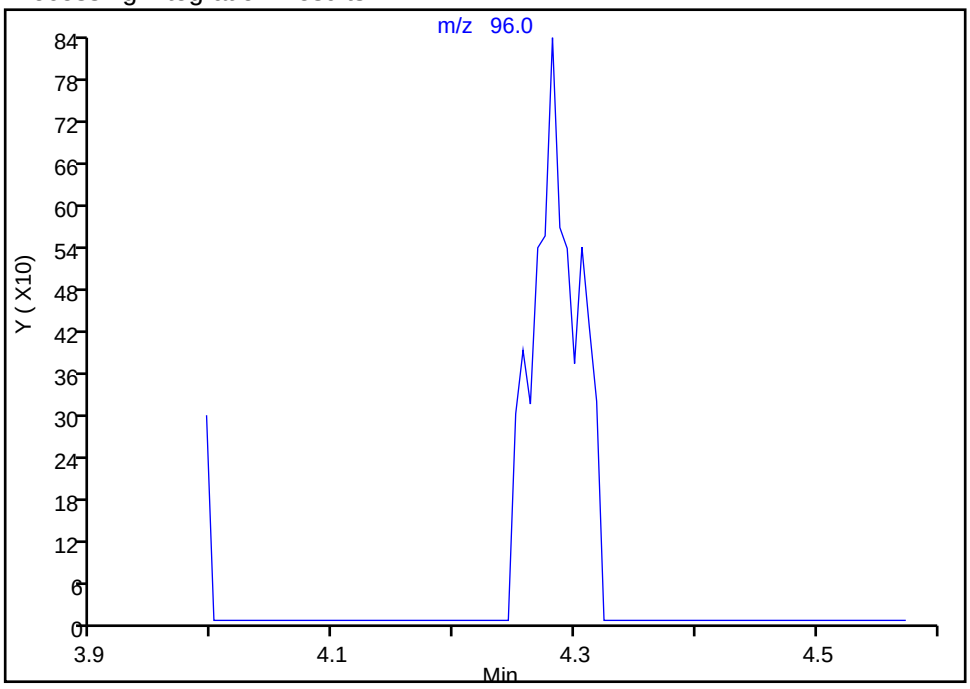
Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X08.D				
Injection Date:	23-Oct-2024 12:11:30	Instrument ID:	16334		
Lims ID:	410-193020-B-13	Lab Sample ID:	410-193020-13		
Client ID:	HD-QC1-0/1-1				
Operator ID:	ecr105096	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

34 trans-1,2-Dichloroethene, CAS: 156-60-5

Signal: 1

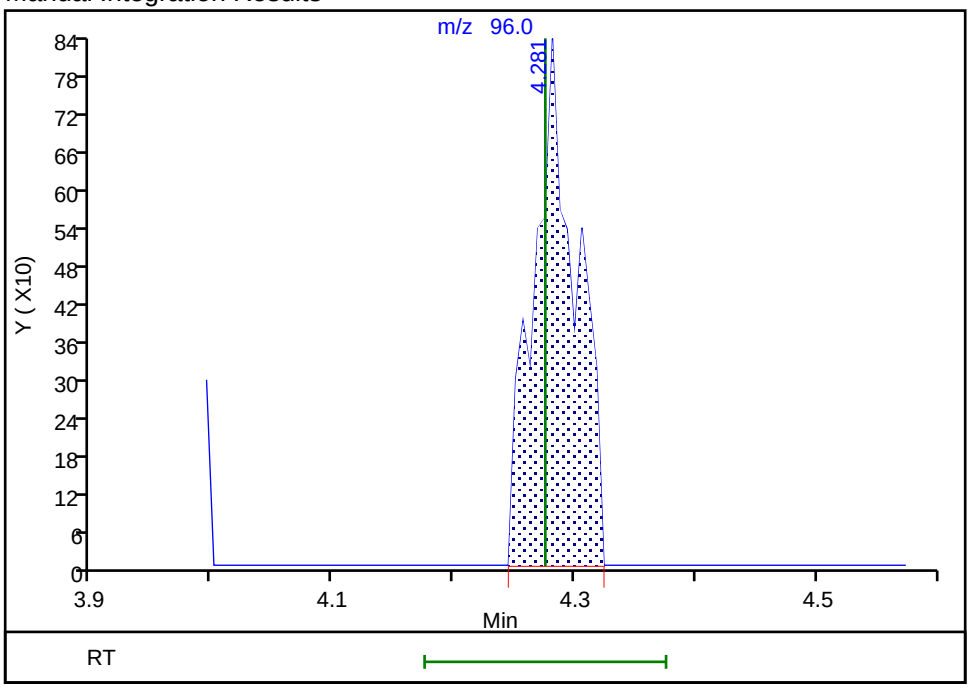
Not Detected
Expected RT: 4.28

Processing Integration Results



Manual Integration Results

RT: 4.28
Area: 2065
Amount: 0.047584
Amount Units: ug/l



Reviewer: FQ4L, 24-Oct-2024 08:20:09 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.: 410-193020-1

SDG No.:

Client Sample ID: HD-QC1-0/1-1 DL
Lab Sample ID: 410-193020-13 DL

Matrix: Water
Lab File ID: CC29X37.D

Analysis Method: 8260D
Date Collected: 10/18/2024 12:00

Sample wt/vol: 25(mL)
Date Analyzed: 10/29/2024 23:23

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.: 569172
Units: ug/L

Preparation Batch No.:
Instrument ID: 10193

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
127-18-4	Tetrachloroethene	140		5.0	2.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	110		80-120
460-00-4	4-Bromofluorobenzene (Surr)	87		80-120
1868-53-7	Dibromofluoromethane (Surr)	110		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\10193\20241029-129145.b\CC29X37.D
Lims ID: 410-193020-C-13 DL
Client ID: HD-QC1-0/1-1
Sample Type: Client
Inject. Date: 29-Oct-2024 23:23:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 25.000 mL Dil. Factor: 10.0000
Sample Info: 410-0129145-008
Operator ID: gaw91131 Instrument ID: 10193

Method: \\chromfs\Lancaster\ChromData\10193\20241029-129145.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 30-Oct-2024 11:10:57 Calib Date: 15-Jun-2024 00:45:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1691

First Level Reviewer: N9NA Date: 30-Oct-2024 11:09:57

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50		1.957				ND	
6 Vinyl chloride	62		2.061				ND	
9 Bromomethane	94		2.354				ND	7
10 Chloroethane	64		2.427				ND	7
18 1,1-Dichloroethene	96	3.152	3.165	-0.013	62	4875	0.1119	M
20 Acetone	43	3.195	3.195	0.000	66	3584	0.5959	
25 Carbon disulfide	76		3.421				ND	7
30 Methylene Chloride	84		3.744				ND	
* 31 t-Butyl alcohol-d10 (IS)	65	3.756	3.756	0.000	94	121282	50.0	
34 Methyl tert-butyl ether	73		4.103				ND	
35 trans-1,2-Dichloroethene	96		4.103				ND	
37 1,1-Dichloroethane	63	4.749	4.756	-0.007	92	12716	0.1424	
42 2-Butanone (MEK)	43		5.573				ND	
43 cis-1,2-Dichloroethene	96	5.609	5.609	0.000	71	13847	0.2371	a
48 Chlorobromomethane	128		5.938				ND	
50 Chloroform	83		6.103				ND	7
$ 54 Dibromofluoromethane (Surr)	113	6.322	6.322	0.000	94	506574	11.0	
53 1,1,1-Trichloroethane	97	6.328	6.329	-0.001	53	70758	0.8951	
56 Carbon tetrachloride	117		6.542				ND	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.780	6.792	-0.012	96	103590	11.0	
60 Benzene	78		6.816				ND	
61 1,2-Dichloroethane	62		6.889				ND	
* 65 Fluorobenzene (IS)	96	7.231	7.231	0.000	99	1904465	10.0	
68 Trichloroethene	95	7.718	7.719	-0.001	92	24594	0.4206	M
70 1,2-Dichloropropane	63		8.060				ND	
76 Dichlorobromomethane	83		8.420				ND	
80 cis-1,3-Dichloropropene	75		8.993				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.200				ND	7
$ 83 Toluene-d8 (Surr)	98	9.322	9.322	0.000	93	1941635	9.35	
84 Toluene	92		9.407				ND	7
85 trans-1,3-Dichloropropene	75		9.694				ND	7
87 1,1,2-Trichloroethane	97		9.913				ND	U

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
88 Tetrachloroethene	166	9.992	9.992	0.000	97	1045064	13.7	
106 2-Hexanone	43		10.157				ND	7
108 Chlorodibromomethane	129		10.303				ND	
110 Ethylene Dibromide	107		10.419				ND	
* 111 Chlorobenzene-d5 (IS)	117	10.876	10.876	0.000	83	1620106	10.0	
113 Chlorobenzene	112		10.901				ND	
114 1,1,1,2-Tetrachloroethane	131		10.992				ND	7
115 Ethylbenzene	91		10.998				ND	
116 m-Xylene & p-Xylene	106		11.120				ND	7
S 117 Xylenes, Total	106		11.245				ND	7
118 o-Xylene	106		11.462				ND	
119 Styrene	104		11.480				ND	
120 Bromoform	173		11.632				ND	
$ 124 4-Bromofluorobenzene (Surr)	95	11.919	11.919	0.000	96	679575	8.71	
126 1,1,2,2-Tetrachloroethane	83		12.035				ND	
* 139 1,4-Dichlorobenzene-d4	152	12.821	12.821	0.000	92	899587	10.0	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
Review Flags
M - Manually Integrated
U - Marked Undetected
a - User Assigned ID

Reagents:

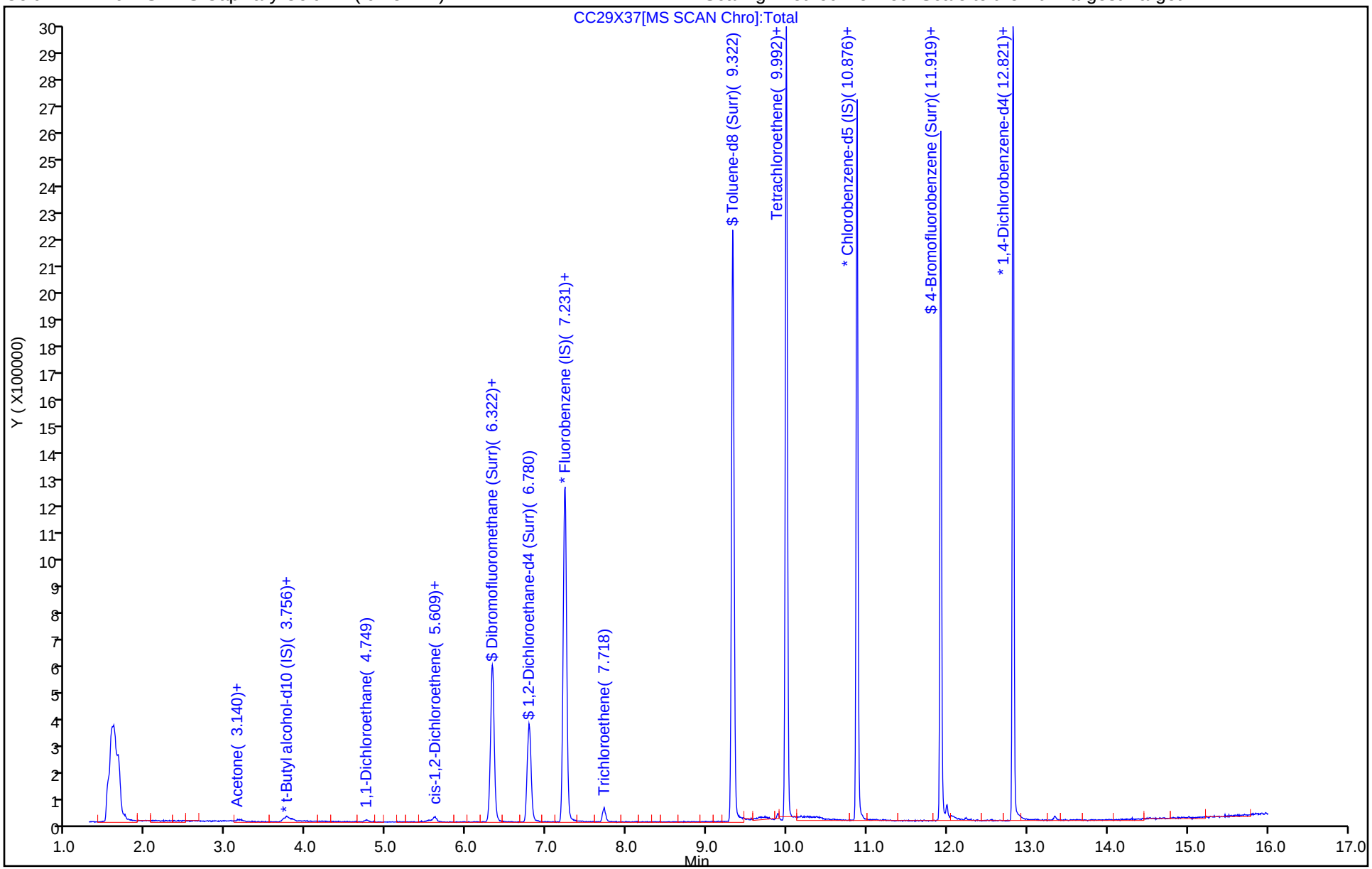
MSV_HP25_ISSS_00101 Amount Added: 1.00 Units: uL Run Reagent

Report Date: 30-Oct-2024 11:11:28 Chrom Revision: 2.3 17-Oct-2024 11:42:22

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\10193\20241029-129145.b\CC29X37.D				
Injection Date:	29-Oct-2024 23:23:30	Instrument ID:	10193	Operator ID:	gaw91131
Lims ID:	410-193020-C-13 DL	Lab Sample ID:	410-193020-13	Worklist Smp#:	8
Client ID:	HD-QC1-0/1-1				
Purge Vol:	25.000 mL	Dil. Factor:	10.0000	ALS Bottle#:	7
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\10193\20241029-129145.b\CC29X37.D				
Lims ID:	410-193020-C-13 DL				
Client ID:	HD-QC1-0/1-1				
Sample Type:	Client				
Inject. Date:	29-Oct-2024 23:23:30	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	25.000 mL	Dil. Factor:	10.0000		
Sample Info:	410-0129145-008				
Operator ID:	gaw91131	Instrument ID:	10193		
Method:	\\chromfs\Lancaster\ChromData\10193\20241029-129145.b\MSV_10193_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	30-Oct-2024 11:10:57	Calib Date:	15-Jun-2024 00:45:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1691				

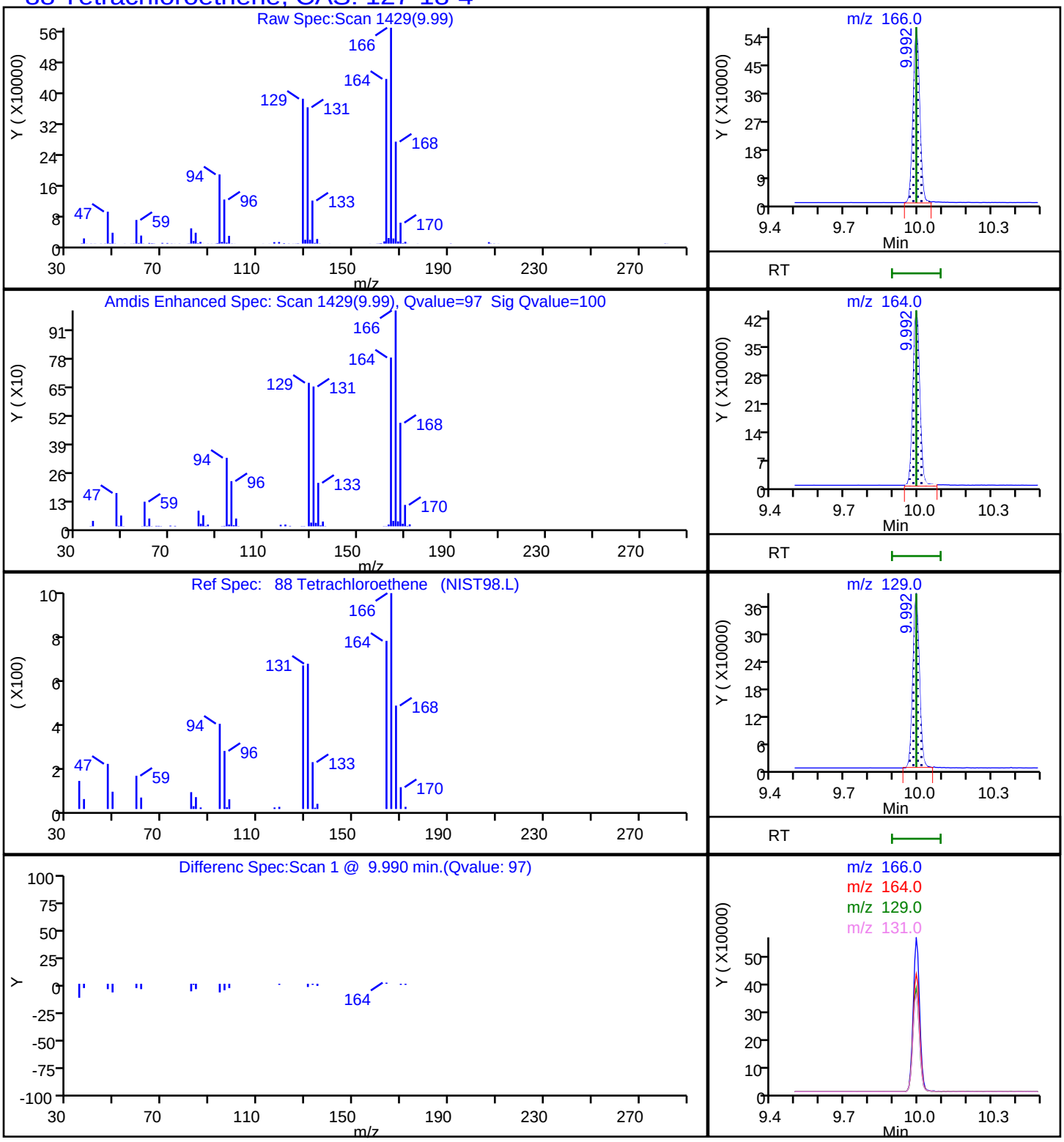
First Level Reviewer: N9NA Date: 30-Oct-2024 11:09:57

Compound	Amount Added	Amount Recovered	% Rec.
$ 54 Dibromofluoromethane (Surr)	10.0	11.0	109.84
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	11.0	109.79
$ 83 Toluene-d8 (Surr)	10.0	9.35	93.53
$ 124 4-Bromofluorobenzene (Surr)	10.0	8.71	87.09

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\10193\20241029-129145.b\CC29X37.D				
Injection Date:	29-Oct-2024 23:23:30	Instrument ID:	10193		
Lims ID:	410-193020-C-13 DL	Lab Sample ID:	410-193020-13		
Client ID:	HD-QC1-0/1-1				
Operator ID:	gaw91131	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	25.000 mL	Dil. Factor:	10.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

88 Tetrachloroethene, CAS: 127-18-4



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-193020-1

SDG No.:

Client Sample ID: HD-QC1-0/1-2
Lab Sample ID: 410-193020-14

Matrix: Water
Lab File ID: GC23X07.D

Analysis Method: 8260D
Date Collected: 10/18/2024 00:00

Sample wt/vol: 25(mL)
Date Analyzed: 10/23/2024 11:49

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 566703
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.: 410-193020-1

SDG No.:

Client Sample ID: HD-QC1-0/1-2 Lab Sample ID: 410-193020-14

Matrix: Water Lab File ID: GC23X07.D

Analysis Method: 8260D Date Collected: 10/18/2024 00:00

Sample wt/vol: 25(mL) Date Analyzed: 10/23/2024 11:49

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL) Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 566703 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)	97		80-120
460-00-4	4-Bromofluorobenzene (Surr)	101		80-120
1868-53-7	Dibromofluoromethane (Surr)	101		80-120
2037-26-5	Toluene-d8 (Surr)	105		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X07.D
Lims ID: 410-193020-A-14
Client ID: HD-QC1-0/1-2
Sample Type: Client
Inject. Date: 23-Oct-2024 11:49:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0128543-008
Operator ID: ecr105096 Instrument ID: 16334

Method: \\chromfs\Lancaster\ChromData\16334\20241023-128543.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 23-Oct-2024 15:40:30 Calib Date: 26-Aug-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\16334\20240826-123245.b\GG26X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1694

First Level Reviewer: FQ4L Date: 24-Oct-2024 08:19:44

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50		2.032				ND	
6 Vinyl chloride	62		2.136				ND	
9 Bromomethane	94		2.453				ND	
10 Chloroethane	64		2.495				ND	
18 1,1-Dichloroethene	96		3.288				ND	
19 Acetone	43		3.324				ND	
24 Carbon disulfide	76		3.562				ND	7
29 Methylene Chloride	84		3.897				ND	
* 30 t-Butyl alcohol-d10 (IS)	65	3.958	3.934	0.024	23	91584	50.0	
33 Methyl tert-butyl ether	73		4.275				ND	
34 trans-1,2-Dichloroethene	96		4.275				ND	
37 1,1-Dichloroethane	63		4.934				ND	
41 2-Butanone (MEK)	43		5.769				ND	
42 cis-1,2-Dichloroethene	96		5.781				ND	
49 Chlorobromomethane	128		6.110				ND	
51 Chloroform	83		6.269				ND	
$ 52 Dibromofluoromethane (Surr)	113	6.495	6.482	0.012	93	508269	10.1	
53 1,1,1-Trichloroethane	97		6.501				ND	
55 Carbon tetrachloride	117		6.708				ND	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.946	6.940	0.006	66	90897	9.73	
60 Benzene	78		6.976				ND	
61 1,2-Dichloroethane	62		7.043				ND	
* 64 Fluorobenzene (IS)	96	7.391	7.385	0.006	99	2099318	10.0	
68 Trichloroethene	95		7.866				ND	
70 1,2-Dichloropropane	63		8.195				ND	
76 Dichlorobromomethane	83		8.549				ND	
81 cis-1,3-Dichloropropene	75		9.110				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.305				ND	
$ 83 Toluene-d8 (Surr)	98	9.433	9.433	0.000	94	2103798	10.5	
84 Toluene	92		9.512				ND	7
85 trans-1,3-Dichloropropene	75		9.787				ND	
107 1,1,2-Trichloroethane	97		9.994				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
108 Tetrachloroethene	166		10.085				ND	
110 2-Hexanone	43		10.232				ND	
112 Chlorodibromomethane	129		10.378				ND	
113 Ethylene Dibromide	107		10.488				ND	
* 114 Chlorobenzene-d5 (IS)	117	10.933	10.933	0.000	85	1536159	10.0	
116 Chlorobenzene	112		10.957				ND	
117 1,1,1,2-Tetrachloroethane	131		11.042				ND	
118 Ethylbenzene	91		11.049				ND	
120 m-Xylene & p-Xylene	106		11.164				ND	
S 119 Xylenes, Total	106		11.245				ND	7
121 o-Xylene	106		11.500				ND	
122 Styrene	104		11.518				ND	
123 Bromoform	173		11.670				ND	
$ 127 4-Bromofluorobenzene (Surr)	95	11.945	11.945	0.000	89	710911	10.1	
128 1,1,2,2-Tetrachloroethane	83		12.048				ND	
* 142 1,4-Dichlorobenzene-d4	152	12.829	12.823	0.006	96	811241	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

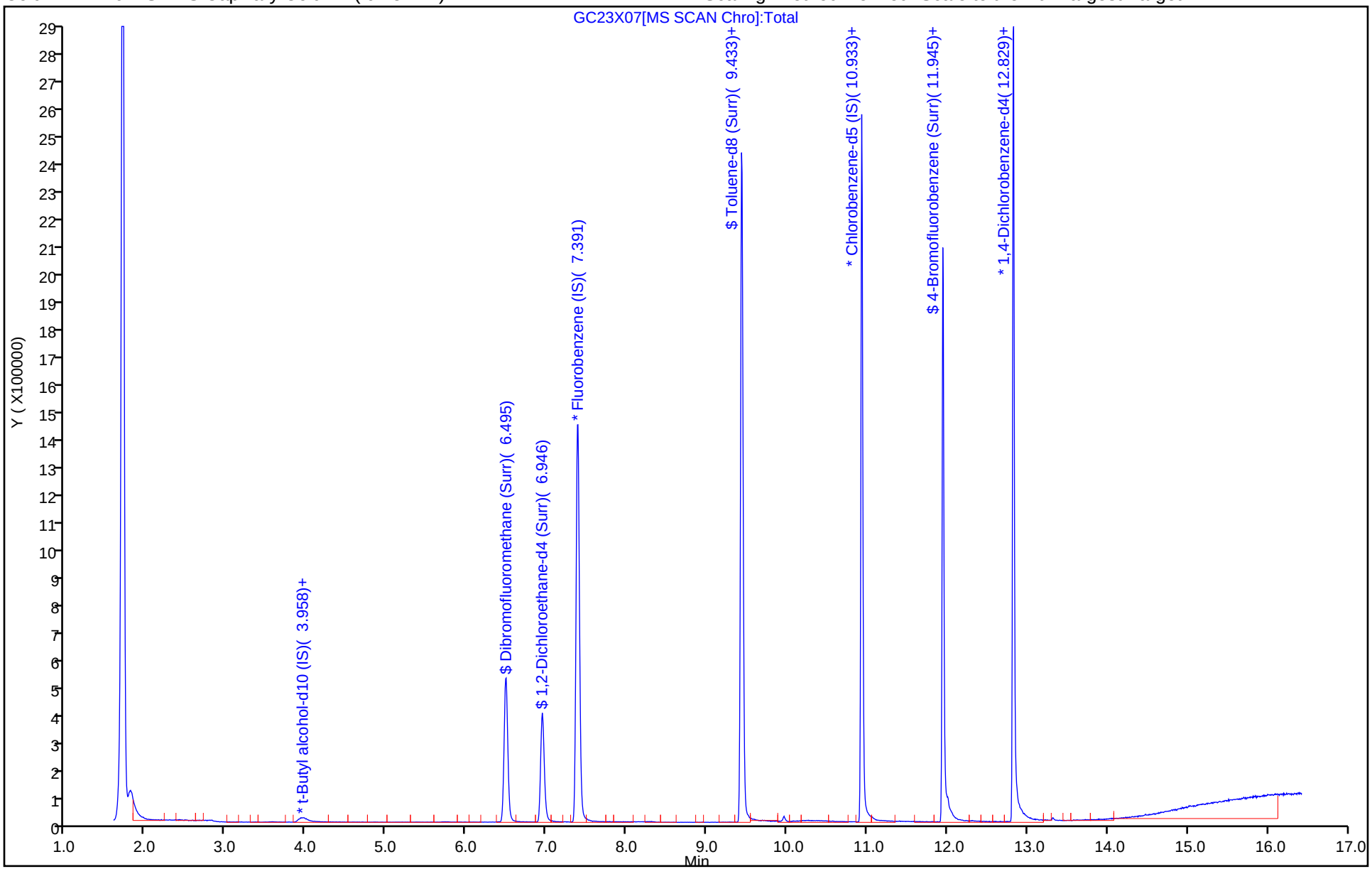
MSV_HP25_ISSS_00101 Amount Added: 1.00 Units: uL Run Reagent

Report Date: 24-Oct-2024 08:19:44 Chrom Revision: 2.3 17-Oct-2024 11:42:22

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X07.D				
Injection Date:	23-Oct-2024 11:49:30	Instrument ID:	16334	Operator ID:	ecr105096
Lims ID:	410-193020-A-14	Lab Sample ID:	410-193020-14	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\20241023-128543.b\GC23X07.D				
Lims ID:	410-193020-A-14				
Client ID:	HD-QC1-0/1-2				
Sample Type:	Client				
Inject. Date:	23-Oct-2024 11:49:30	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0128543-008				
Operator ID:	ecr105096	Instrument ID:	16334		
Method:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\MSV_16334_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	23-Oct-2024 15:40:30	Calib Date:	26-Aug-2024 17:02:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\16334\20240826-123245.b\GG26X08.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1694				

First Level Reviewer: FQ4L Date: 24-Oct-2024 08:19:44

Compound	Amount Added	Amount Recovered	% Rec.
$ 52 Dibromofluoromethane (Surr)	10.0	10.1	101.05
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	9.73	97.27
$ 83 Toluene-d8 (Surr)	10.0	10.5	104.65
$ 127 4-Bromofluorobenzene (Surr)	10.0	10.1	100.63

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1 Analy Batch No.: 517601

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2024 18:42 Calibration End Date: 06/14/2024 20:58 Calibration ID: 62903

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-517601/3	CU14X02.D
Level 2	IC 410-517601/4	CU14X03.D
Level 3	IC 410-517601/5	CU14X04.D
Level 4	IC 410-517601/6	CU14X05.D
Level 5	IC 410-517601/7	CU14X06.D
Level 6	IC 410-517601/8	CU14X07.D
Level 7	IC 410-517601/9	CU14X08.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Chlorodifluoromethane	0.3870 0.2991	0.3617 0.2903	0.3160	0.3144	0.2879	Ave		0.3223				11.7		20.0			
Methoxymethane	+++++ 0.3241	0.3895 0.3032	0.3422	0.3235	0.3148	Ave		0.3329				9.2		20.0			
Acetonitrile	+++++ 0.0146	+++++ 0.0136	0.0157	0.0149	0.0144	Ave		0.0146				5.3		20.0			
Vinyl acetate	+++++ 0.2669	0.3741 0.2330	0.3146	0.3214	0.3107	Ave		0.3035				16.0		20.0			
Ethyl acetate	0.2583 0.1705	0.2066 0.1643	0.1625	0.1624	0.1683	Ave		0.1847				19.5		20.0			
2-Chloroethyl vinyl ether	0.1239 0.1299	0.1248 0.1286	0.1253	0.1234	0.1224	Ave		0.1255				2.2		20.0			
cis-1,4-Dichloro-2-butene	0.1058 0.1065	0.1034 0.1062	0.1010	0.0996	0.0994	Ave		0.1031				3.0		20.0			
Cyclohexanone	0.3611 0.3482	0.3676 0.3451	0.3670	0.3618	0.3548	Ave		0.3579				2.5		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC | Job No.: 410-193020-1 | Analy Batch No.: 517601

SDG No.:

Instrument ID: 10193 | GC Column: R-624SilMS ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2024 18:42 | Calibration End Date: 06/14/2024 20:58 | Calibration ID: 62903

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-517601/3	CU14X02.D
Level 2	IC 410-517601/4	CU14X03.D
Level 3	IC 410-517601/5	CU14X04.D
Level 4	IC 410-517601/6	CU14X05.D
Level 5	IC 410-517601/7	CU14X06.D
Level 6	IC 410-517601/8	CU14X07.D
Level 7	IC 410-517601/9	CU14X08.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Chlorodifluoromethane	FB	Ave	17130 663098	40587 1644844	70444	143100	330865	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Methoxymethane	FB	Ave	+++++ 718466	43707 1717783	76304	147232	361794	+++++ 10.0	0.500 25.0	1.00	2.00	5.00
Acetonitrile	FB	Ave	+++++ 161395	+++++ 383998	17515	33865	82922	+++++ 50.0	+++++ 125	5.00	10.0	25.0
Vinyl acetate	FB	Ave	+++++ 591536	41977 1320162	70139	146275	357166	+++++ 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl acetate	FB	Ave	11434 378013	23181 931100	36231	73898	193452	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Chloroethyl vinyl ether	FB	Ave	5485 287969	13998 728916	27938	56170	140731	0.200 10.0	0.500 25.0	1.00	2.00	5.00
cis-1,4-Dichloro-2-butene	CBZd5	Ave	7488 376311	18487 949343	35805	71985	179956	0.400 20.0	1.00 50.0	2.00	4.00	10.0
Cyclohexanone	TBAd10	Ave	12611 588934	32865 1480018	66166	128606	339356	10.00 500	25.0 1250	50.0	100.0	250

Curve Type Legend:
Ave = Average ISTD

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1 Analy Batch No.: 517601

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2024 18:42 Calibration End Date: 06/14/2024 20:58 Calibration ID: 62903

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-517601/3	CU14X02.D
Level 2	IC 410-517601/4	CU14X03.D
Level 3	IC 410-517601/5	CU14X04.D
Level 4	IC 410-517601/6	CU14X05.D
Level 5	IC 410-517601/7	CU14X06.D
Level 6	IC 410-517601/8	CU14X07.D
Level 7	IC 410-517601/9	CU14X08.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Chlorodifluoromethane	20.1 -9.9	12.2	-2.0	-2.5	-10.7	-7.2	50 30	30	30	30	30	30
Methoxymethane	+++++ -8.9	17.0	2.8	-2.8	-5.4	-2.6	 30	50	30	30	30	30
Acetonitrile	+++++ -7.3	+++++	7.4	1.7	-1.4	-0.4	 30		50	30	30	30
Vinyl acetate	+++++ -23.2	23.3	3.7	5.9	2.4	-12.1	 30	50	30	30	30	30
Ethyl acetate	39.8 -11.0	11.8	-12.0	-12.1	-8.9	-7.7	50 30	30	30	30	30	30
2-Chloroethyl vinyl ether	-1.3 2.5	-0.6	-0.1	-1.6	-2.4	3.5	50 30	30	30	30	30	30
cis-1,4-Dichloro-2-butene	2.6 3.0	0.2	-2.1	-3.4	-3.6	3.3	50 30	30	30	30	30	30
Cyclohexanone	0.9 -3.6	2.7	2.5	1.1	-0.9	-2.7	50 30	30	30	30	30	30

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X02.D
Lims ID: IC STD.2 Sm
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 14-Jun-2024 18:42:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0116724-003
Misc. Info.: IC STD 0.2 SM
Operator ID: MEC29284 Instrument ID: 10193
Sublist: chrom-MSV_10193_25mL*sub26

Method: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 17-Jun-2024 19:28:24 Calib Date: 15-Jun-2024 00:45:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1606

First Level Reviewer: UCB5 Date: 16-Jun-2024 13:08:28

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.768	1.762	0.006	41	5926	0.2000	0.2058	
3 Chlorodifluoromethane	51	1.811	1.811	0.000	97	17130	0.2000	0.2401	
4 Dimethyl ether	45	1.866	1.860	0.006	100	27389	0.2000	0.3717	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.159	2.153	0.006	34	14896	0.2000	0.2107	M
27 Acetonitrile	41	3.579	3.561	0.018	21	10507	1.00	3.25	M
* 31 t-Butyl alcohol-d10 (IS)	65	3.805	3.798	0.007	97	174644	50.0	50.0	
38 Vinyl acetate	43	4.792	4.780	0.012	97	24223	0.2000	0.3607	
46 Ethyl acetate	43	5.694	5.682	0.012	98	11434	0.2000	0.2797	
63 Isopropyl acetate	43	6.956	6.956	0.000	97	25231	0.2000	0.2790	
* 65 Fluorobenzene (IS)	96	7.273	7.267	0.006	99	2213224	10.0	10.0	
75 n-Propyl acetate	61	8.285	8.292	-0.007	98	5449	0.2000	0.2653	
79 2-Chloroethyl vinyl ether	63	8.846	8.840	0.006	93	5485	0.2000	0.1975	
109 n-Butyl acetate	43	10.315	10.316	-0.001	98	23008	0.2000	0.2729	
* 111 Chlorobenzene-d5 (IS)	117	10.901	10.901	0.000	83	1768346	10.0	10.0	M
122 cis-1,4-Dichloro-2-butene	88	11.852	11.852	0.000	96	7488	0.4001	0.4106	
123 Cyclohexanone	55	11.876	11.876	0.000	91	12611	10.0	10.1	
* 139 1,4-Dichlorobenzene-d4	152	12.845	12.845	0.000	93	1000850	10.0	10.0	M

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

MSV_CCV_V5ACE_00037	Amount Added:	0.20	Units: uL
MSV_V_SMRV4_00071	Amount Added:	1.00	Units: uL
MSV_CCV_CYC_00008	Amount Added:	1.60	Units: uL
MSV_HP25_ISO_00010	Amount Added:	1.00	Units: uL
MSV_DME_00055	Amount Added:	0.20	Units: uL

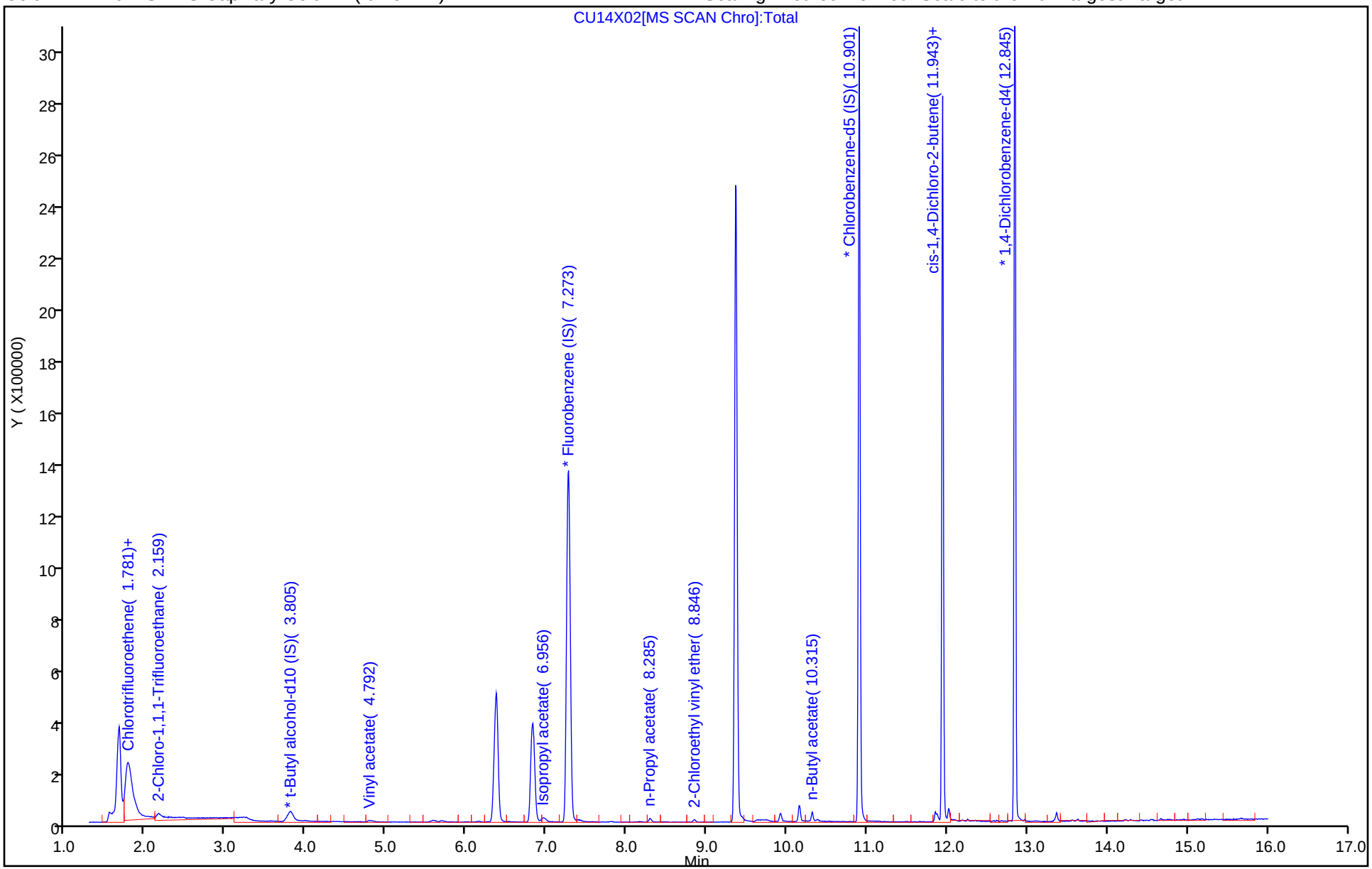
Report Date: 17-Jun-2024 19:28:24 Chrom Revision: 2.3 03-Jun-2024 20:58:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X02.D

Injection Date:	14-Jun-2024 18:42:30	Instrument ID:	10193	Operator ID:	MEC29284
Lims ID:	IC STD.2 Sm			Worklist Smp#:	3
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

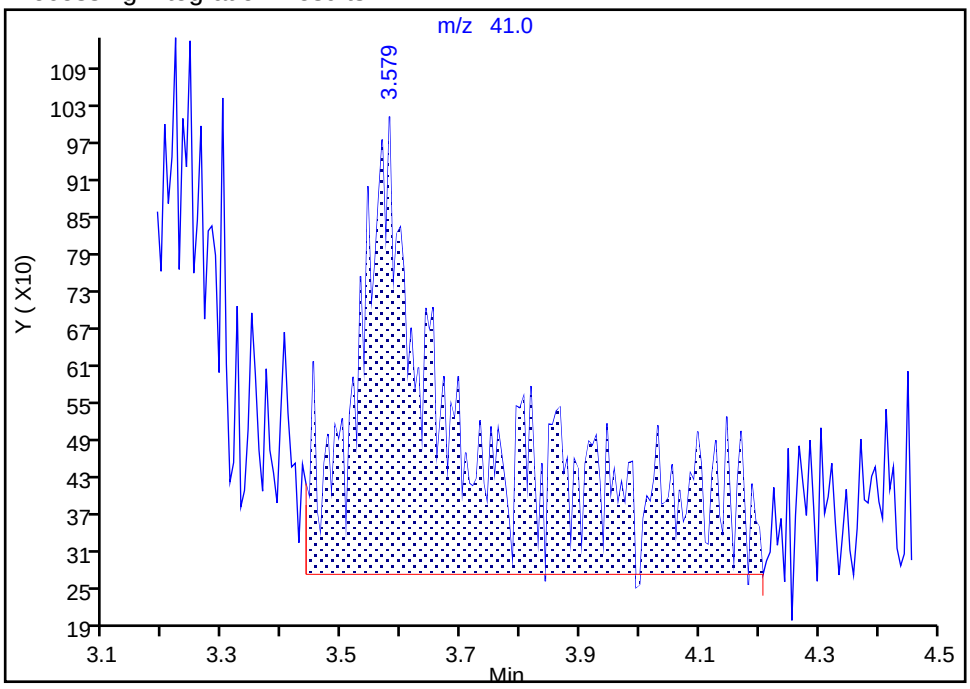
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Injection Date: 14-Jun-2024 18:42:30 Instrument ID: 10193
Lims ID: IC STD.2 Sm
Client ID:
Operator ID: MEC29284 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

27 Acetonitrile, CAS: 75-05-8

Signal: 1

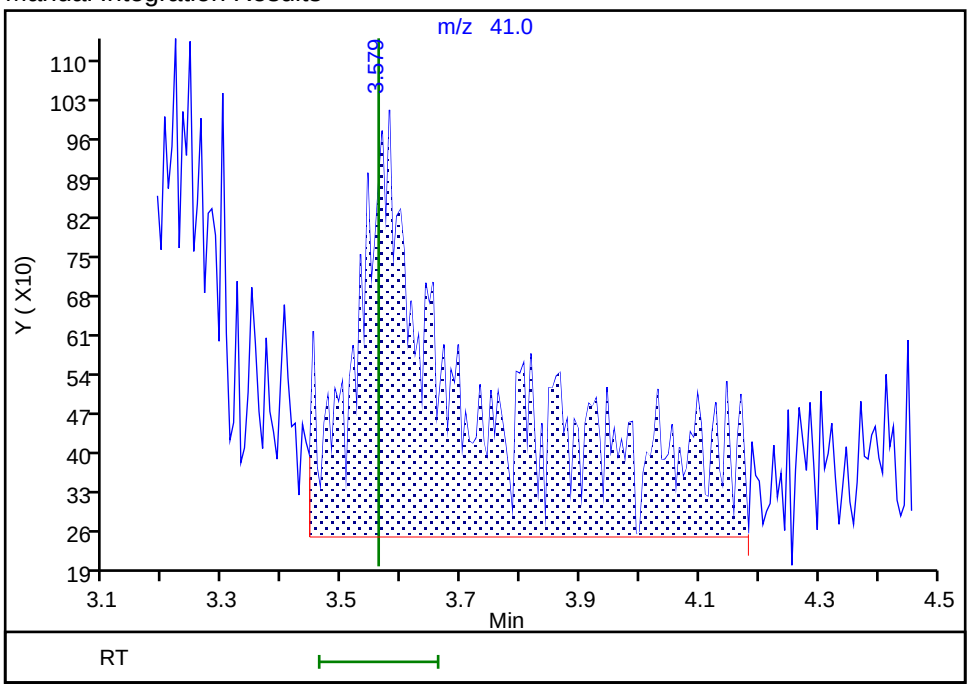
Processing Integration Results

RT: 3.58
Area: 9693
Amount: 1.509747
Amount Units: ug/l



Manual Integration Results

RT: 3.58
Area: 10507
Amount: 3.245418
Amount Units: ug/l



Reviewer: UKEK, 17-Jun-2024 19:11:29 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

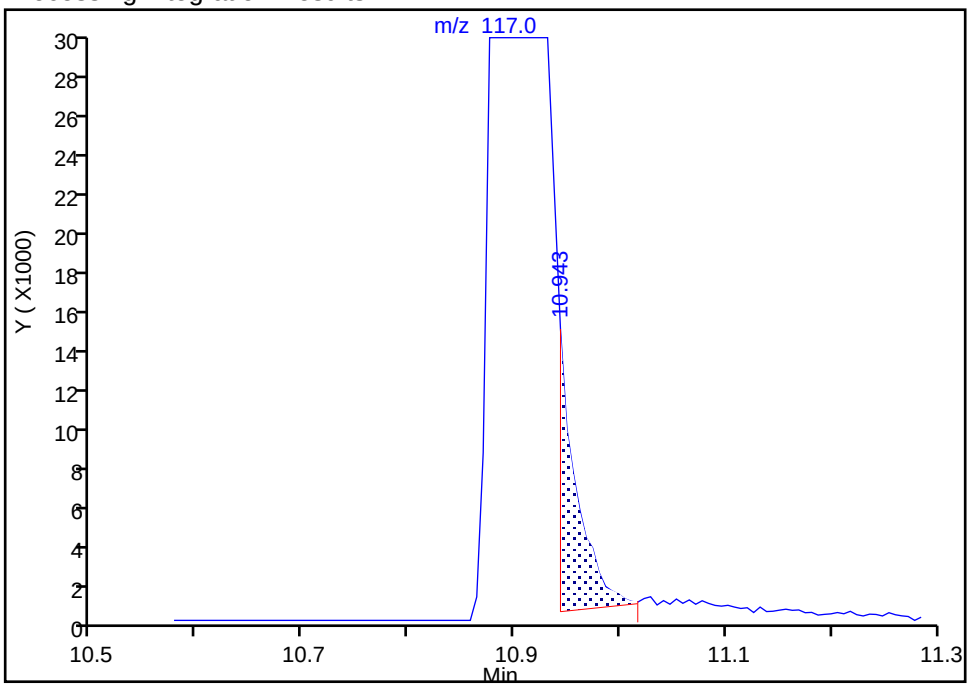
Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X02.D
Injection Date: 14-Jun-2024 18:42:30 Instrument ID: 10193
Lims ID: IC STD.2 Sm
Client ID:
Operator ID: MEC29284 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

* 111 Chlorobenzene-d5 (IS), CAS: 3114-55-4

Signal: 1

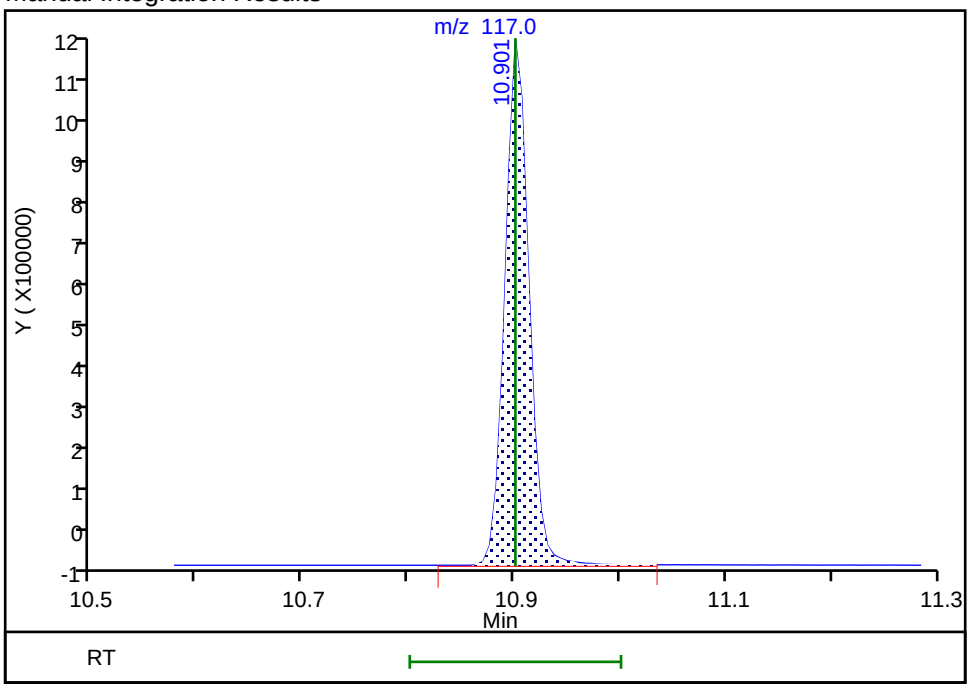
Processing Integration Results

RT: 10.94
Area: 17287
Amount: 10.000000
Amount Units: ug/l



Manual Integration Results

RT: 10.90
Area: 1768346
Amount: 10.000000
Amount Units: ug/l



Reviewer: UCB5, 16-Jun-2024 13:07:38 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

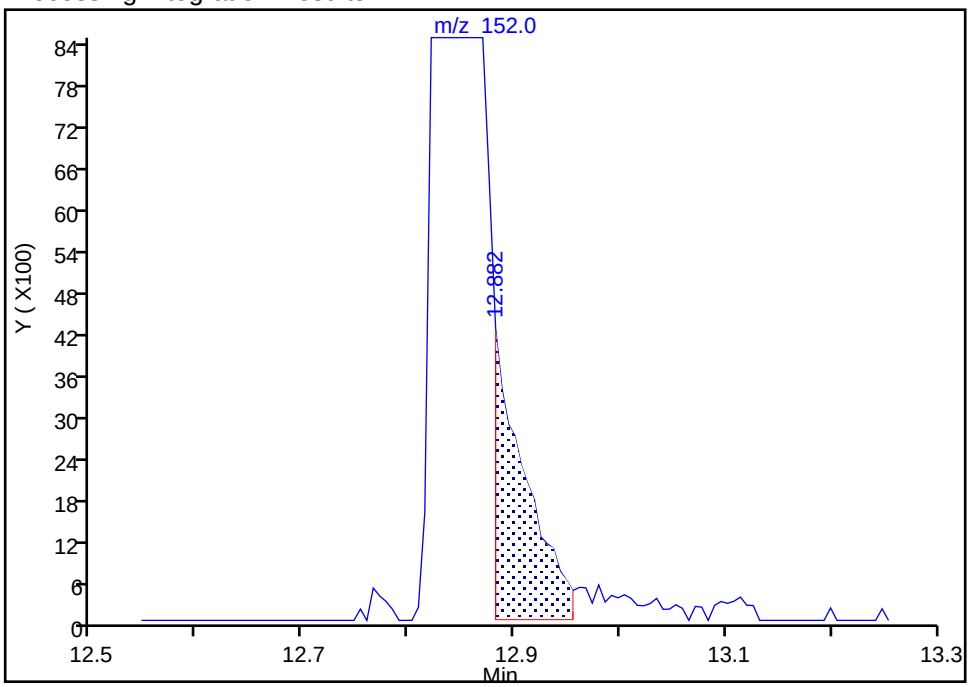
Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X02.D
Injection Date: 14-Jun-2024 18:42:30 Instrument ID: 10193
Lims ID: IC STD.2 Sm
Client ID:
Operator ID: MEC29284 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

* 139 1,4-Dichlorobenzene-d4, CAS: 3855-82-1

Signal: 1

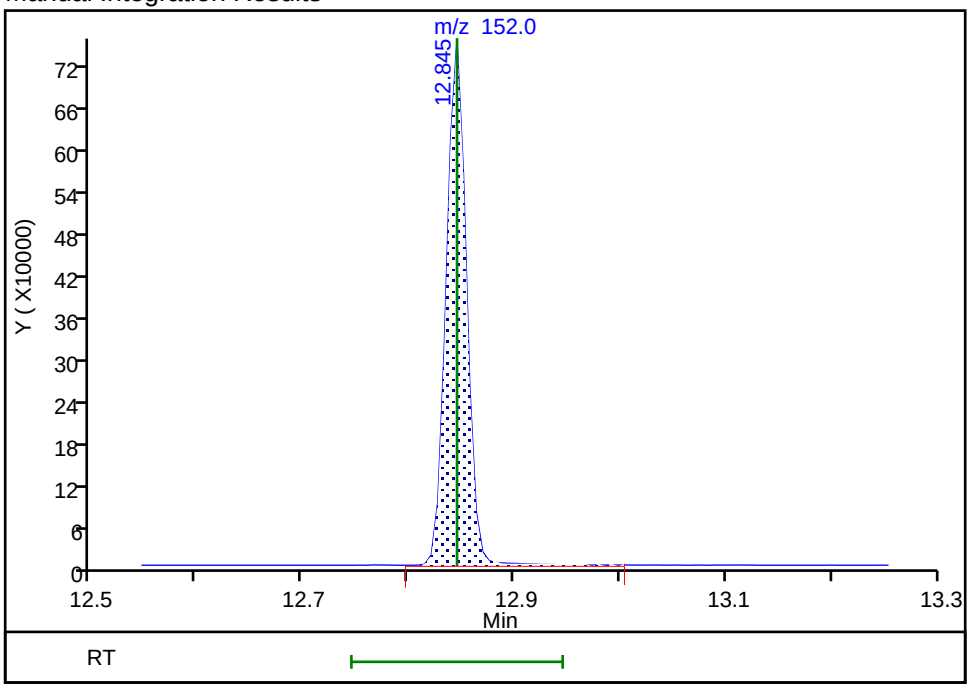
Processing Integration Results

RT: 12.88
Area: 8839
Amount: 10.000000
Amount Units: ug/l



Manual Integration Results

RT: 12.85
Area: 1000850
Amount: 10.000000
Amount Units: ug/l



Reviewer: UCB5, 16-Jun-2024 13:08:12 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X03.D
Lims ID: IC STD.5 Sm
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 14-Jun-2024 19:05:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0116724-004
Misc. Info.: IC STD.5 SM
Operator ID: MEC29284 Instrument ID: 10193
Sublist: chrom-MSV_10193_25mL*sub26

Method: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 17-Jun-2024 19:28:25 Calib Date: 15-Jun-2024 00:45:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1606

First Level Reviewer: UCB5 Date: 16-Jun-2024 13:10:01

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.756	1.762	-0.006	89	14541	0.5000	0.4980	
3 Chlorodifluoromethane	51	1.811	1.811	0.000	97	40587	0.5000	0.5611	
4 Dimethyl ether	45	1.866	1.860	0.006	100	43707	0.5000	0.5851	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.153	2.153	-0.001	33	37317	0.5000	0.5207	
27 Acetonitrile	41	3.573	3.561	0.012	24	12967	2.50	3.95	M
* 31 t-Butyl alcohol-d10 (IS)	65	3.805	3.798	0.007	96	178836	50.0	50.0	
38 Vinyl acetate	43	4.786	4.780	0.006	97	41977	0.5000	0.6164	
46 Ethyl acetate	43	5.701	5.682	0.019	99	23181	0.5000	0.5592	
63 Isopropyl acetate	43	6.956	6.956	0.000	97	47780	0.5000	0.5210	
* 65 Fluorobenzene (IS)	96	7.267	7.267	0.000	99	2244091	10.0	10.0	
75 n-Propyl acetate	61	8.292	8.292	0.000	97	11240	0.5000	0.5398	
79 2-Chloroethyl vinyl ether	63	8.840	8.840	0.000	92	13998	0.5000	0.4971	
109 n-Butyl acetate	43	10.316	10.316	0.000	98	43880	0.5000	0.5148	
* 111 Chlorobenzene-d5 (IS)	117	10.901	10.901	0.000	83	1787741	10.0	10.0	M
122 cis-1,4-Dichloro-2-butene	88	11.852	11.852	0.000	96	18487	1.00	1.00	
123 Cyclohexanone	55	11.876	11.876	0.000	91	32865	25.0	25.7	
* 139 1,4-Dichlorobenzene-d4	152	12.846	12.845	0.001	93	1016773	10.0	10.0	M

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

MSV_CCV_V5ACE_00037	Amount Added:	0.50	Units: uL
MSV_CCV_CYC_00008	Amount Added:	4.00	Units: uL
MSV_V_SMRV4_00071	Amount Added:	2.50	Units: uL
MSV_HP25_ISO_00010	Amount Added:	1.00	Units: uL
MSV_DME_00055	Amount Added:	0.50	Units: uL

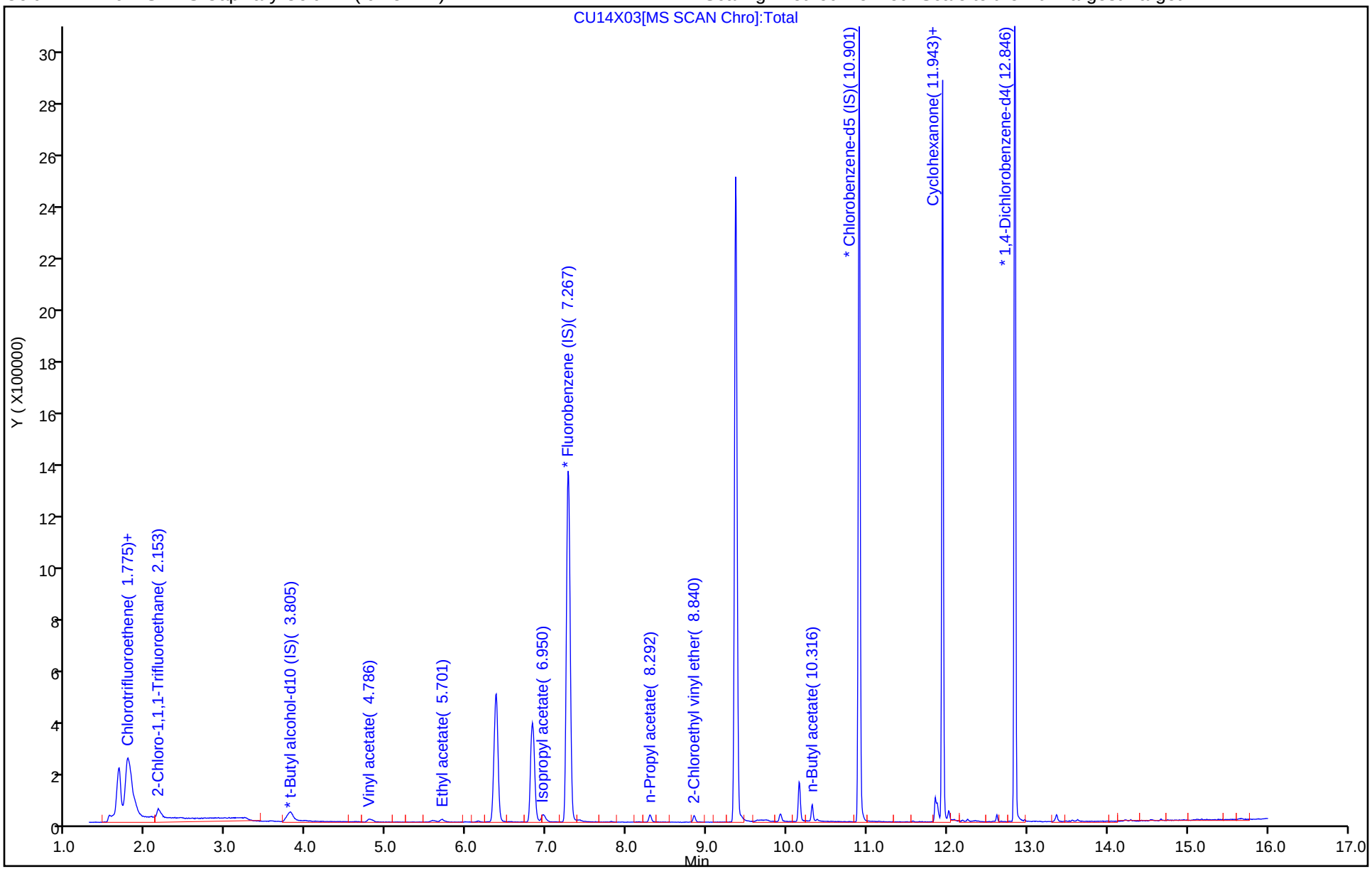
Report Date: 17-Jun-2024 19:28:26 Chrom Revision: 2.3 03-Jun-2024 20:58:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X03.D

Injection Date:	14-Jun-2024 19:05:30	Instrument ID:	10193	Operator ID:	MEC29284
Lims ID:	IC STD.5 Sm			Worklist Smp#:	4
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

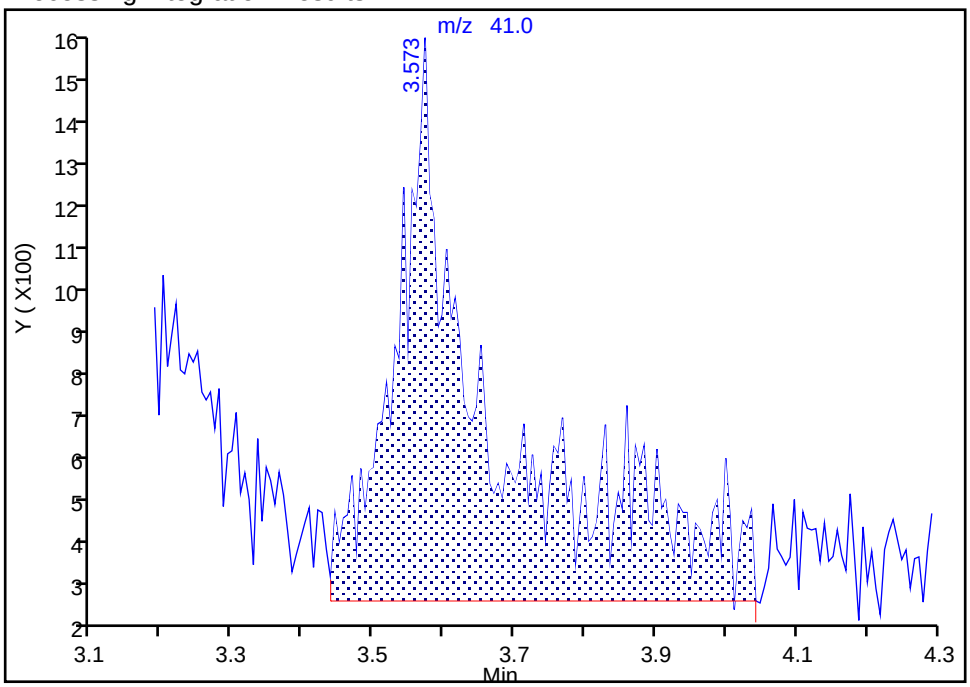
Data File:	\\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X03.D				
Injection Date:	14-Jun-2024 19:05:30	Instrument ID:	10193		
Lims ID:	IC STD.5 Sm				
Client ID:					
Operator ID:	MEC29284	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

27 Acetonitrile, CAS: 75-05-8

Signal: 1

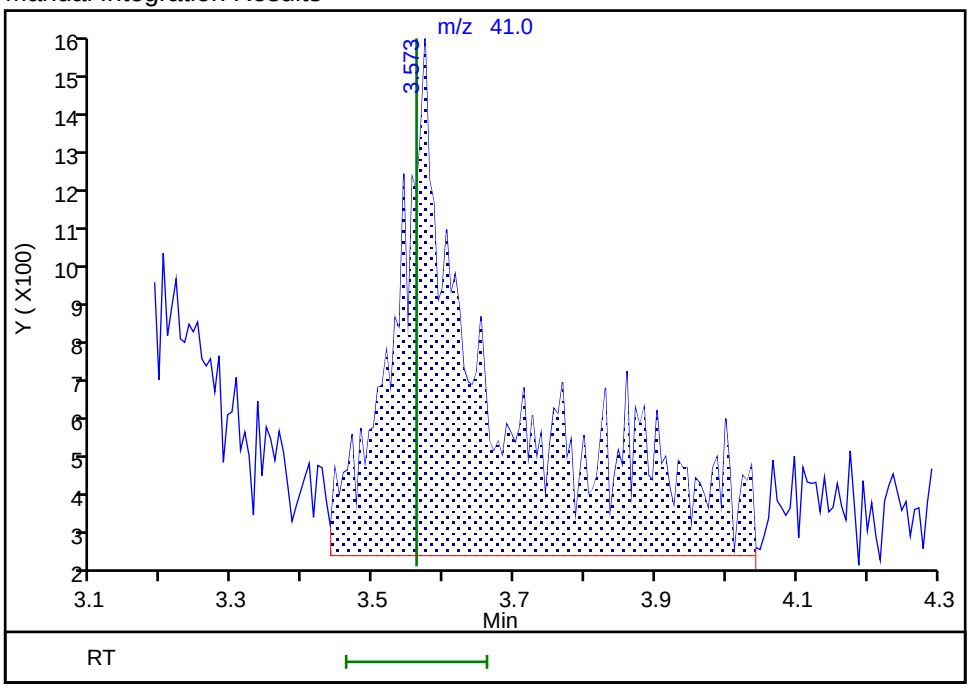
Processing Integration Results

RT: 3.57
Area: 12199
Amount: 3.437501
Amount Units: ug/l



Manual Integration Results

RT: 3.57
Area: 12967
Amount: 3.950175
Amount Units: ug/l



Reviewer: UKEK, 17-Jun-2024 19:10:46 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

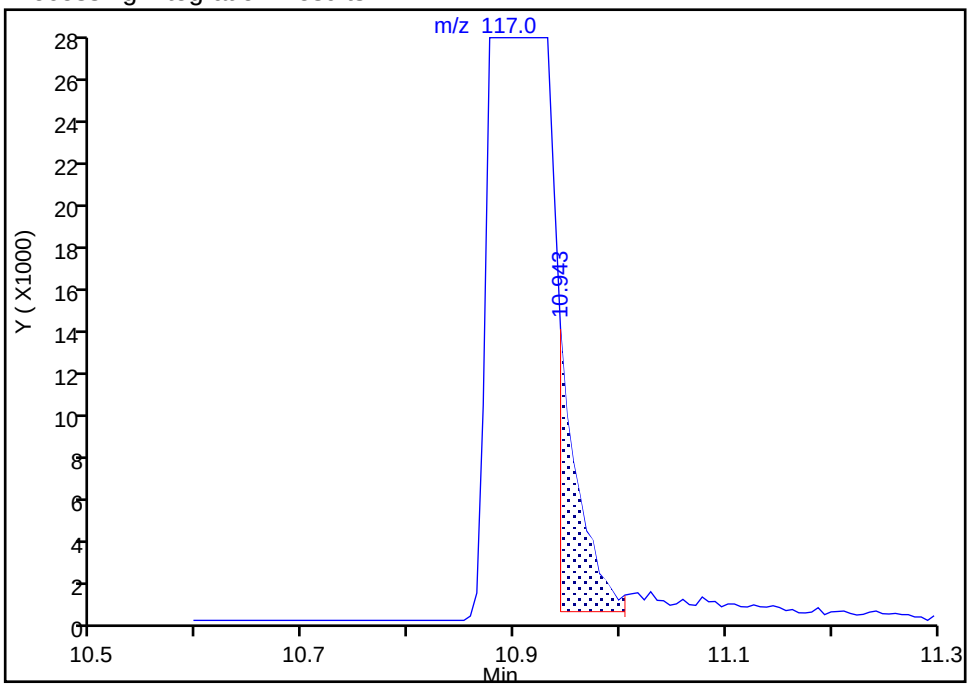
Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X03.D
Injection Date: 14-Jun-2024 19:05:30 Instrument ID: 10193
Lims ID: IC STD.5 Sm
Client ID:
Operator ID: MEC29284 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

* 111 Chlorobenzene-d5 (IS), CAS: 3114-55-4

Signal: 1

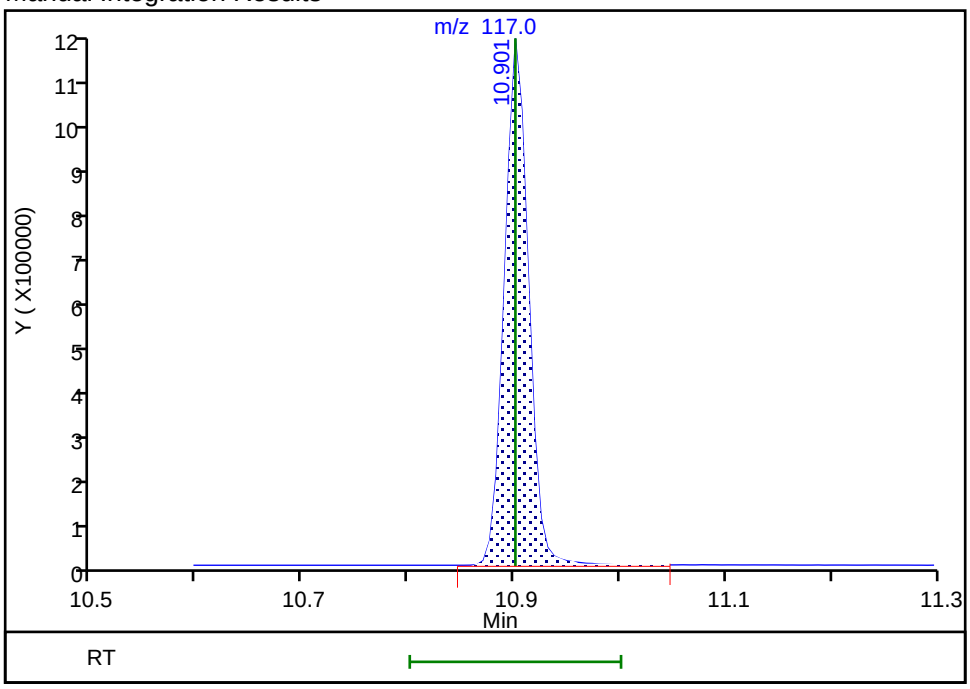
Processing Integration Results

RT: 10.94
Area: 17379
Amount: 10.000000
Amount Units: ug/l



Manual Integration Results

RT: 10.90
Area: 1787741
Amount: 10.000000
Amount Units: ug/l



Reviewer: UCB5, 16-Jun-2024 13:09:33 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

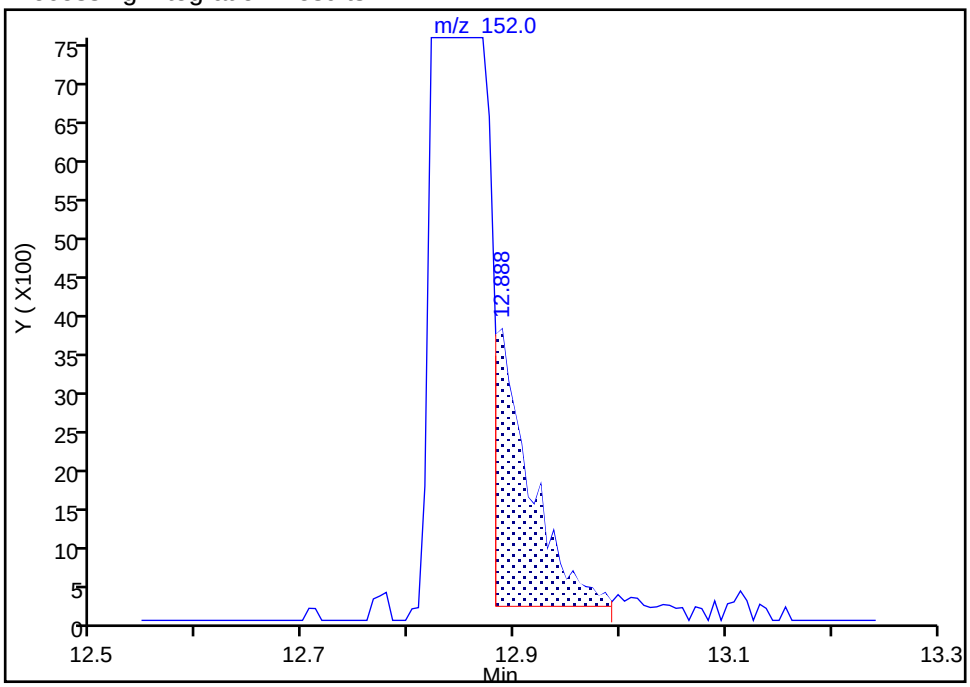
Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X03.D
Injection Date: 14-Jun-2024 19:05:30 Instrument ID: 10193
Lims ID: IC STD.5 Sm
Client ID:
Operator ID: MEC29284 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

* 139 1,4-Dichlorobenzene-d4, CAS: 3855-82-1

Signal: 1

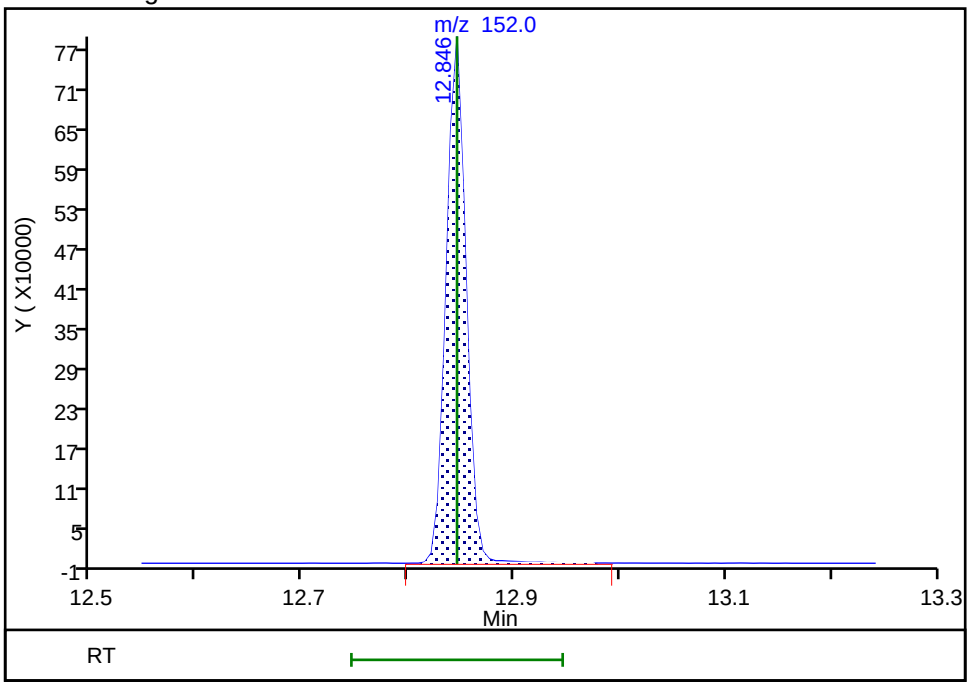
Processing Integration Results

RT: 12.89
Area: 8628
Amount: 10.000000
Amount Units: ug/l



Manual Integration Results

RT: 12.85
Area: 1016773
Amount: 10.000000
Amount Units: ug/l



Reviewer: UCB5, 16-Jun-2024 13:09:52 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X04.D
Lims ID: IC STD1 Sm
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 14-Jun-2024 19:27:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0116724-005
Misc. Info.: IC STD1 SM
Operator ID: MEC29284 Instrument ID: 10193
Sublist: chrom-MSV_10193_25mL*sub26

Method: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 17-Jun-2024 19:28:27 Calib Date: 15-Jun-2024 00:45:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1606

First Level Reviewer: UCB5 Date: 16-Jun-2024 13:11:20

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.756	1.762	-0.006	93	29800	1.00	1.03	
3 Chlorodifluoromethane	51	1.811	1.811	0.000	97	70444	1.00	0.9802	
4 Dimethyl ether	45	1.866	1.860	0.006	99	76304	1.00	1.03	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.146	2.153	-0.007	33	72193	1.00	1.01	
27 Acetonitrile	41	3.579	3.561	0.018	98	17515	5.00	5.37	
* 31 t-Butyl alcohol-d10 (IS)	65	3.805	3.798	0.007	96	180270	50.0	50.0	
38 Vinyl acetate	43	4.786	4.780	0.006	97	70139	1.00	1.04	
46 Ethyl acetate	43	5.688	5.682	0.006	98	36231	1.00	0.8798	
63 Isopropyl acetate	43	6.956	6.956	0.000	98	86891	1.00	0.9537	
* 65 Fluorobenzene (IS)	96	7.267	7.267	0.000	99	2229529	10.0	10.0	
75 n-Propyl acetate	61	8.292	8.292	0.000	98	19304	1.00	0.9331	
79 2-Chloroethyl vinyl ether	63	8.840	8.840	0.000	92	27938	1.00	1.00	
109 n-Butyl acetate	43	10.316	10.316	0.000	98	80135	1.00	0.9485	
* 111 Chlorobenzene-d5 (IS)	117	10.901	10.901	0.000	84	1772095	10.0	10.0	M
122 cis-1,4-Dichloro-2-butene	88	11.852	11.852	0.000	97	35805	2.00	1.96	
123 Cyclohexanone	55	11.876	11.876	0.000	90	66166	50.0	51.3	
* 139 1,4-Dichlorobenzene-d4	152	12.846	12.845	0.001	93	1019925	10.0	10.0	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_V5ACE_00037	Amount Added:	1.00	Units: uL
MSV_CCV_CYC_00008	Amount Added:	8.00	Units: uL
MSV_V_SMRV4_00071	Amount Added:	5.00	Units: uL
MSV_HP25_ISO_00010	Amount Added:	1.00	Units: uL
MSV_DME_00055	Amount Added:	1.00	Units: uL

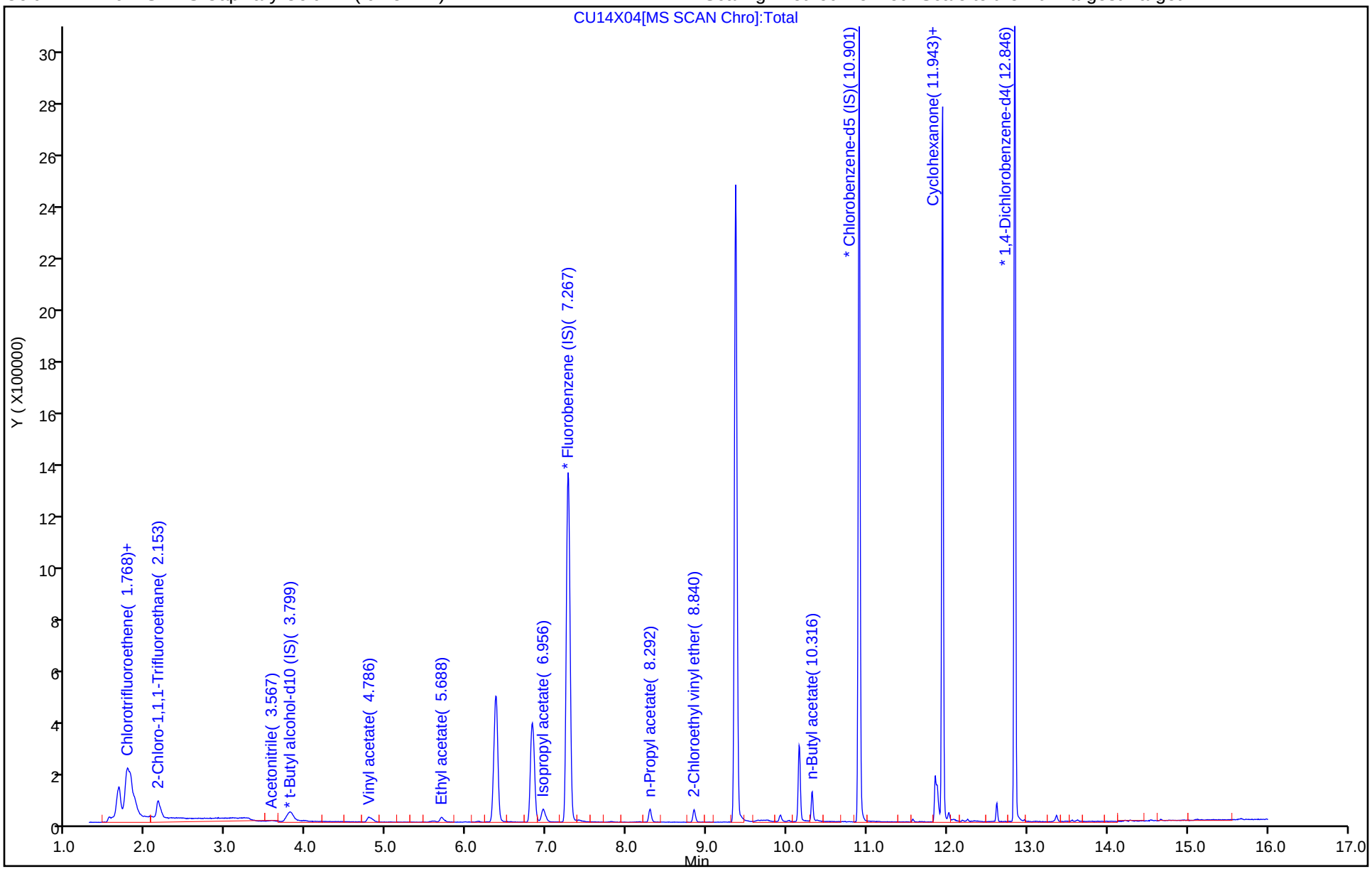
Report Date: 17-Jun-2024 19:28:28 Chrom Revision: 2.3 03-Jun-2024 20:58:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X04.D

Injection Date:	14-Jun-2024 19:27:30	Instrument ID:	10193	Operator ID:	MEC29284
Lims ID:	IC STD1 Sm			Worklist Smp#:	5
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

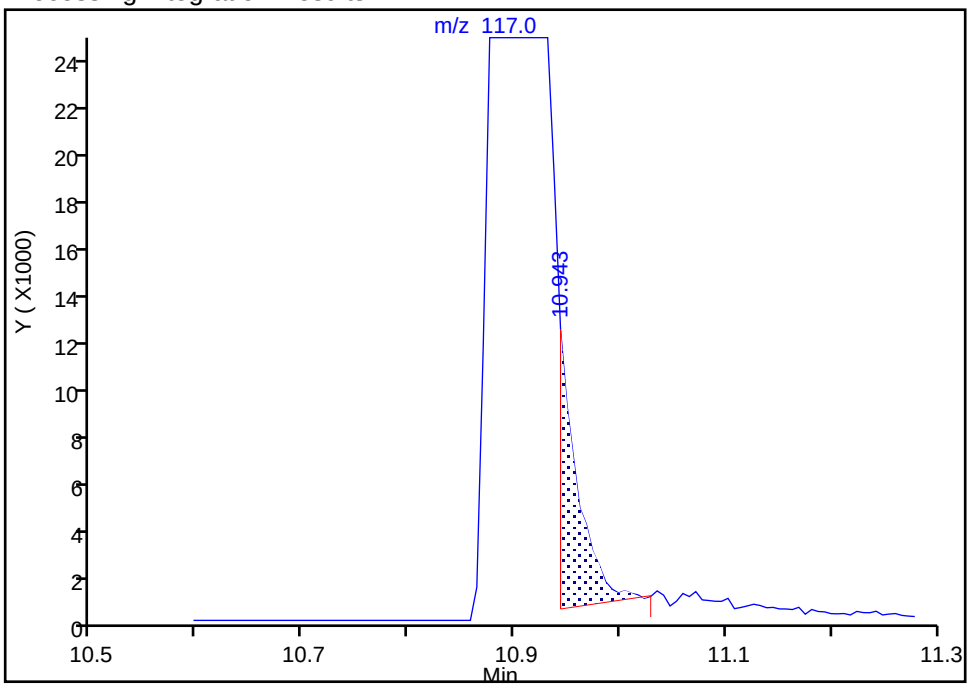
Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X04.D
Injection Date: 14-Jun-2024 19:27:30 Instrument ID: 10193
Lims ID: IC STD1 Sm
Client ID:
Operator ID: MEC29284 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

* 111 Chlorobenzene-d5 (IS), CAS: 3114-55-4

Signal: 1

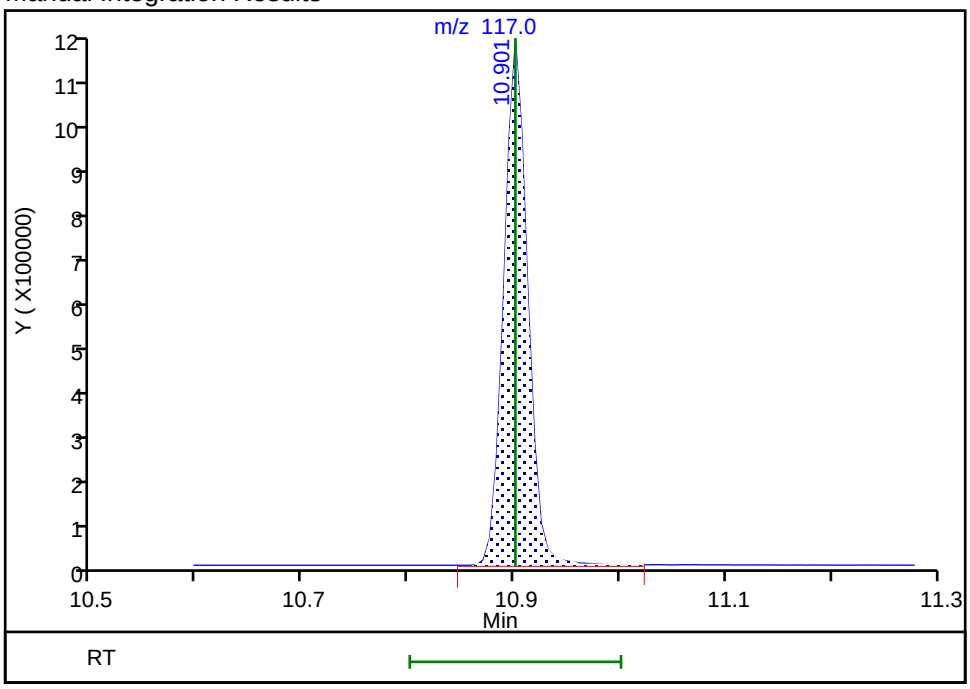
Processing Integration Results

RT: 10.94
Area: 15019
Amount: 10.000000
Amount Units: ug/l



Manual Integration Results

RT: 10.90
Area: 1772095
Amount: 10.000000
Amount Units: ug/l



Reviewer: UCB5, 16-Jun-2024 13:10:30 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

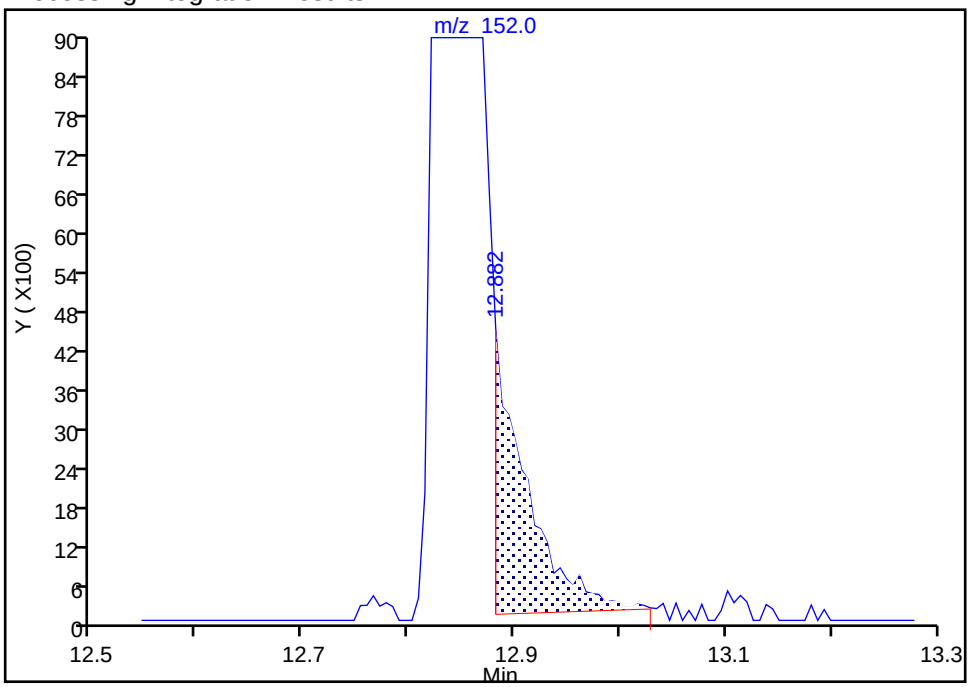
Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X04.D
Injection Date: 14-Jun-2024 19:27:30 Instrument ID: 10193
Lims ID: IC STD1 Sm
Client ID:
Operator ID: MEC29284 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

* 139 1,4-Dichlorobenzene-d4, CAS: 3855-82-1

Signal: 1

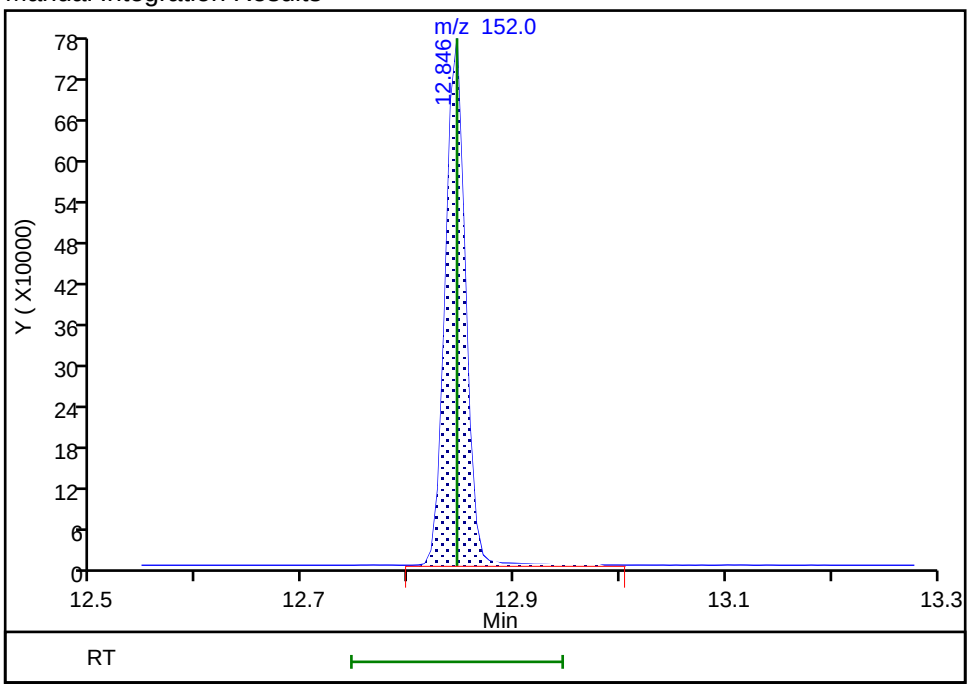
Processing Integration Results

RT: 12.88
Area: 9247
Amount: 10.000000
Amount Units: ug/l



Manual Integration Results

RT: 12.85
Area: 1019925
Amount: 10.000000
Amount Units: ug/l



Reviewer: UCB5, 16-Jun-2024 13:11:08 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X05.D
Lims ID: IC STD2 Sm
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 14-Jun-2024 19:50:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0116724-006
Misc. Info.: IC STD2 SM
Operator ID: MEC29284 Instrument ID: 10193
Sublist: chrom-MSV_10193_25mL*sub26

Method: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 17-Jun-2024 19:28:29 Calib Date: 15-Jun-2024 00:45:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1606

First Level Reviewer: UCB5 Date: 16-Jun-2024 13:12:40

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.768	1.762	0.006	93	58207	2.00	1.97	
3 Chlorodifluoromethane	51	1.817	1.811	0.006	97	143100	2.00	1.95	
4 Dimethyl ether	45	1.866	1.860	0.006	100	147232	2.00	1.94	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.159	2.153	0.006	33	144886	2.00	1.99	
27 Acetonitrile	41	3.573	3.561	0.012	99	33865	10.0	10.2	
* 31 t-Butyl alcohol-d10 (IS)	65	3.805	3.798	0.007	96	177755	50.0	50.0	
38 Vinyl acetate	43	4.792	4.780	0.012	97	146275	2.00	2.12	
46 Ethyl acetate	43	5.695	5.682	0.013	98	73898	2.00	1.76	
63 Isopropyl acetate	43	6.956	6.956	0.000	98	162065	2.00	1.74	
* 65 Fluorobenzene (IS)	96	7.267	7.267	0.000	99	2275521	10.0	10.0	
75 n-Propyl acetate	61	8.292	8.292	0.000	98	37522	2.00	1.78	
79 2-Chloroethyl vinyl ether	63	8.840	8.840	0.000	92	56170	2.00	1.97	
109 n-Butyl acetate	43	10.316	10.316	0.000	98	153418	2.00	1.78	
* 111 Chlorobenzene-d5 (IS)	117	10.901	10.901	0.000	83	1805744	10.0	10.0	M
122 cis-1,4-Dichloro-2-butene	88	11.852	11.852	0.000	96	71985	4.00	3.87	
123 Cyclohexanone	55	11.876	11.876	0.000	91	128606	100.0	101.1	
* 139 1,4-Dichlorobenzene-d4	152	12.846	12.845	0.001	93	1039899	10.0	10.0	M

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

MSV_CCV_V5ACE_00037	Amount Added:	1.00	Units: uL
MSV_CCV_CYC_00008	Amount Added:	8.00	Units: uL
MSV_V_SMRV4_00071	Amount Added:	5.00	Units: uL
MSV_HP25_ISO_00010	Amount Added:	1.00	Units: uL
MSV_DME_00055	Amount Added:	1.00	Units: uL

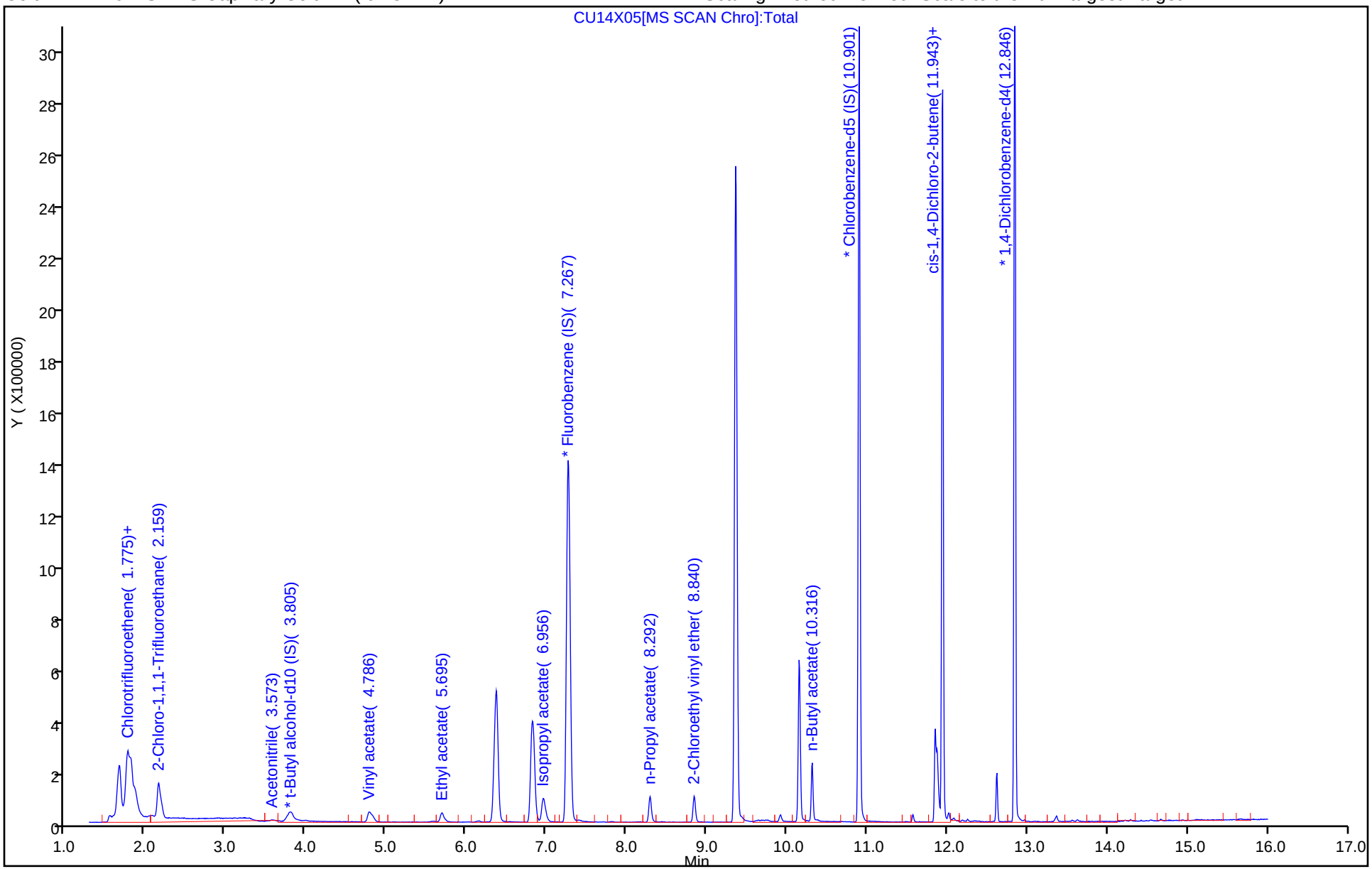
Report Date: 17-Jun-2024 19:28:30 Chrom Revision: 2.3 03-Jun-2024 20:58:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X05.D

Injection Date:	14-Jun-2024 19:50:30	Instrument ID:	10193	Operator ID:	MEC29284
Lims ID:	IC STD2 Sm			Worklist Smp#:	6
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

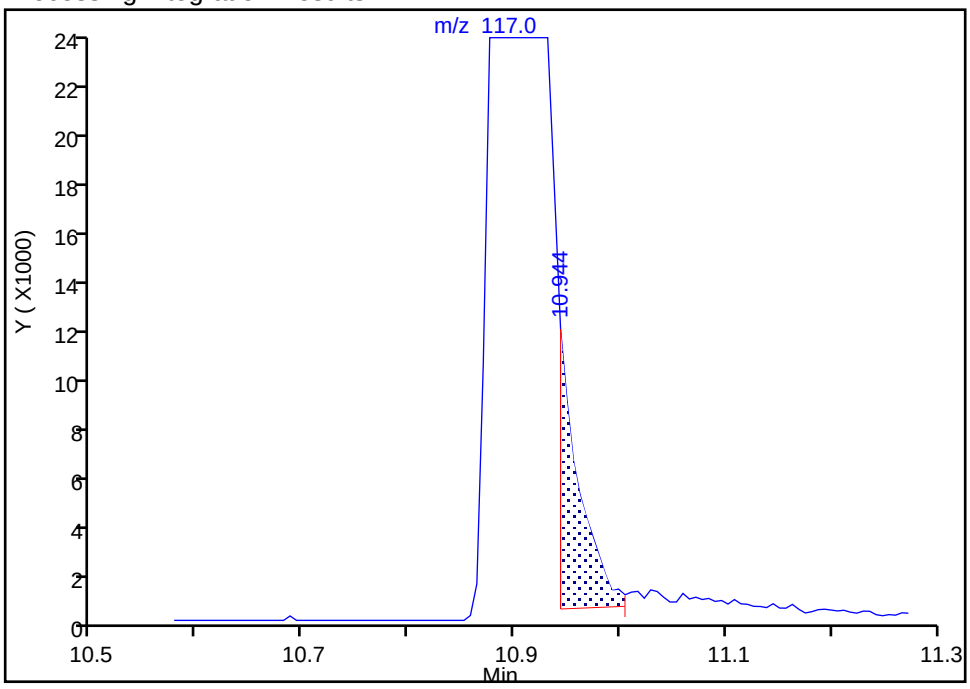
Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X05.D
Injection Date: 14-Jun-2024 19:50:30 Instrument ID: 10193
Lims ID: IC STD2 Sm
Client ID:
Operator ID: MEC29284 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

* 111 Chlorobenzene-d5 (IS), CAS: 3114-55-4

Signal: 1

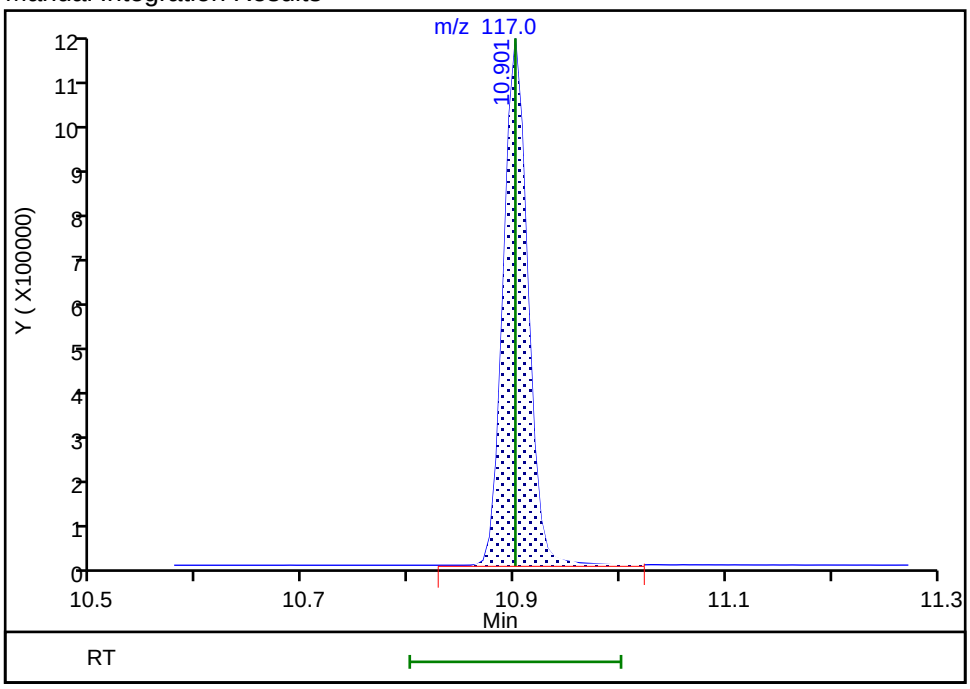
Processing Integration Results

RT: 10.94
Area: 15634
Amount: 10.000000
Amount Units: ug/l



Manual Integration Results

RT: 10.90
Area: 1805744
Amount: 10.000000
Amount Units: ug/l



Reviewer: UCB5, 16-Jun-2024 13:12:10 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

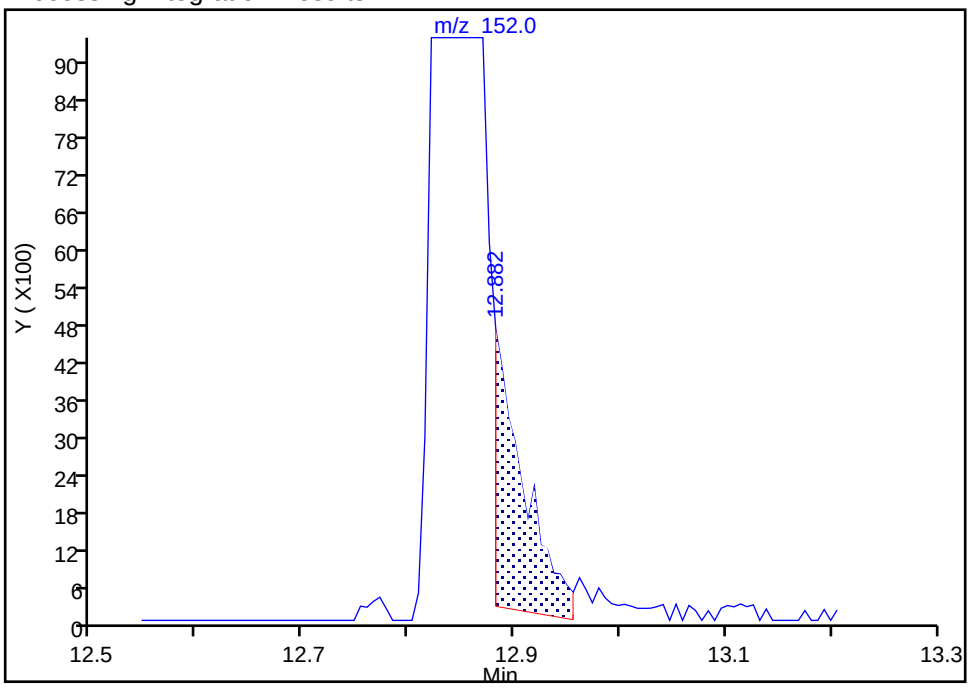
Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X05.D
Injection Date: 14-Jun-2024 19:50:30 Instrument ID: 10193
Lims ID: IC STD2 Sm
Client ID:
Operator ID: MEC29284 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

* 139 1,4-Dichlorobenzene-d4, CAS: 3855-82-1

Signal: 1

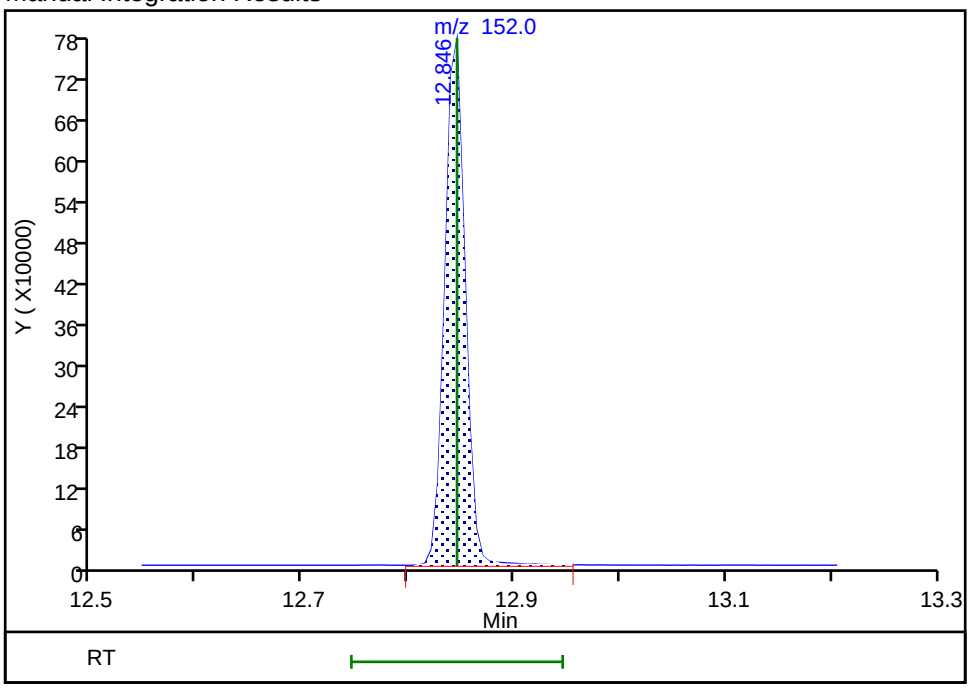
Processing Integration Results

RT: 12.88
Area: 8880
Amount: 10.000000
Amount Units: ug/l



Manual Integration Results

RT: 12.85
Area: 1039899
Amount: 10.000000
Amount Units: ug/l



Reviewer: UCB5, 16-Jun-2024 13:12:28 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X06.D
Lims ID: IC STD5 Sm
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 14-Jun-2024 20:13:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0116724-007
Misc. Info.: IC STD5 SM
Operator ID: MEC29284 Instrument ID: 10193
Sublist: chrom-MSV_10193_25mL*sub26

Method: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 17-Jun-2024 19:28:31 Calib Date: 15-Jun-2024 00:45:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1606

First Level Reviewer: UCB5 Date: 16-Jun-2024 13:13:44

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.762	1.762	0.000	92	140191	5.00	4.69	
3 Chlorodifluoromethane	51	1.811	1.811	0.000	97	330865	5.00	4.47	
4 Dimethyl ether	45	1.866	1.860	0.006	99	361794	5.00	4.73	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.153	2.153	0.000	55	344038	5.00	4.69	
27 Acetonitrile	41	3.573	3.561	0.012	100	82922	25.0	24.7	
* 31 t-Butyl alcohol-d10 (IS)	65	3.811	3.798	0.013	97	191283	50.0	50.0	
38 Vinyl acetate	43	4.786	4.780	0.006	97	357166	5.00	5.12	
46 Ethyl acetate	43	5.688	5.682	0.006	99	193452	5.00	4.56	
63 Isopropyl acetate	43	6.957	6.956	0.001	98	435691	5.00	4.64	
* 65 Fluorobenzene (IS)	96	7.267	7.267	0.000	99	2298834	10.0	10.0	
75 n-Propyl acetate	61	8.286	8.292	-0.006	98	99130	5.00	4.65	
79 2-Chloroethyl vinyl ether	63	8.840	8.840	0.000	91	140731	5.00	4.88	
109 n-Butyl acetate	43	10.316	10.316	0.000	98	403811	5.00	4.68	
* 111 Chlorobenzene-d5 (IS)	117	10.901	10.901	0.000	84	1810185	10.0	10.0	
122 cis-1,4-Dichloro-2-butene	88	11.852	11.852	0.000	97	179956	10.0	9.64	
123 Cyclohexanone	55	11.876	11.876	0.000	91	339356	250.0	247.8	
* 139 1,4-Dichlorobenzene-d4	152	12.846	12.845	0.001	93	1043540	10.0	10.0	M

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

MSV_CCV_V5ACE_00037	Amount Added:	1.00	Units: uL
MSV_CCV_CYC_00008	Amount Added:	8.00	Units: uL
MSV_V_SMRV4_00071	Amount Added:	5.00	Units: uL
MSV_HP25_ISO_00010	Amount Added:	1.00	Units: uL
MSV_DME_00055	Amount Added:	1.00	Units: uL

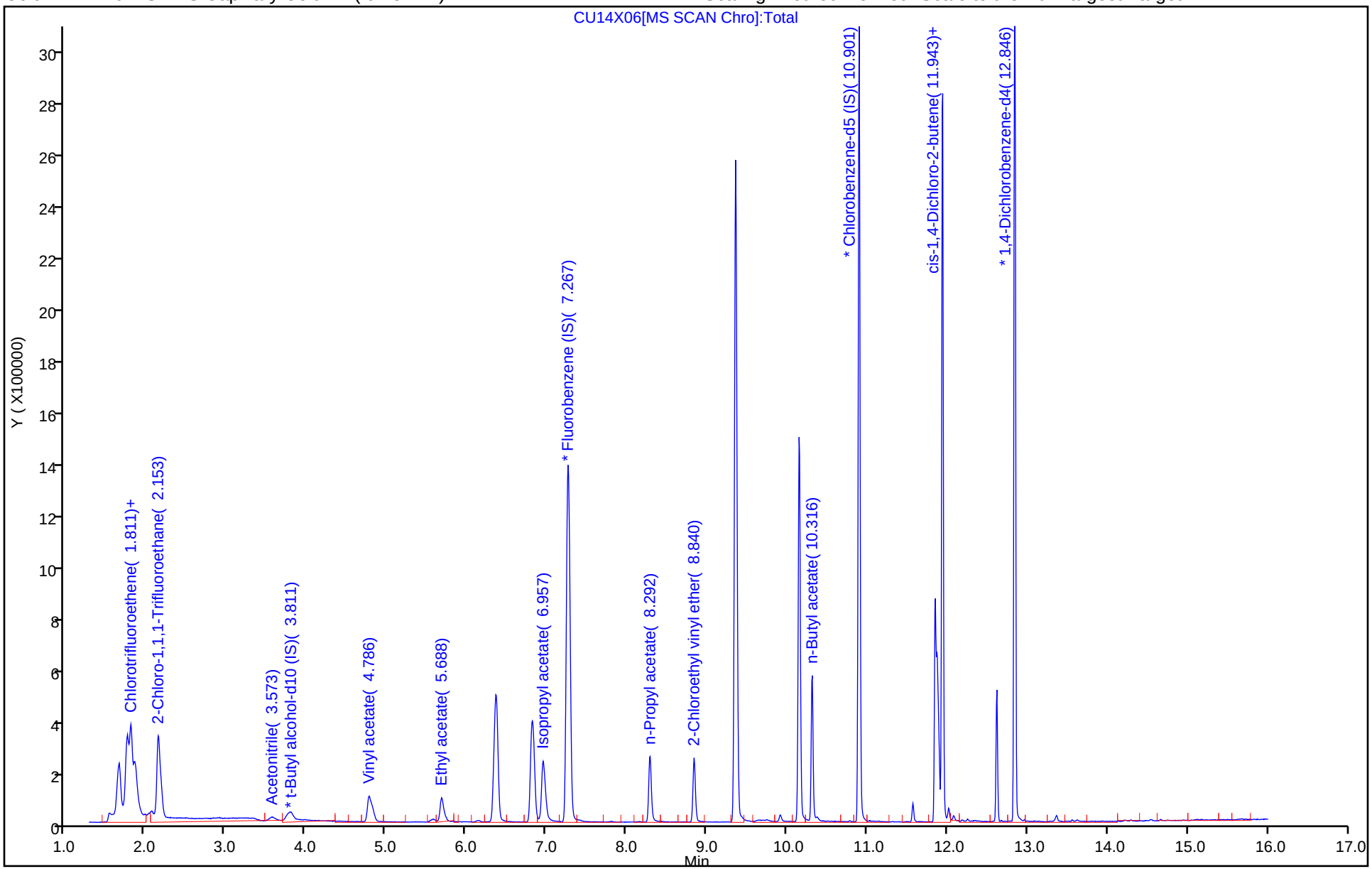
Report Date: 17-Jun-2024 19:28:31 Chrom Revision: 2.3 03-Jun-2024 20:58:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X06.D

Injection Date:	14-Jun-2024 20:13:30	Instrument ID:	10193	Operator ID:	MEC29284
Lims ID:	IC STD5 Sm			Worklist Smp#:	7
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

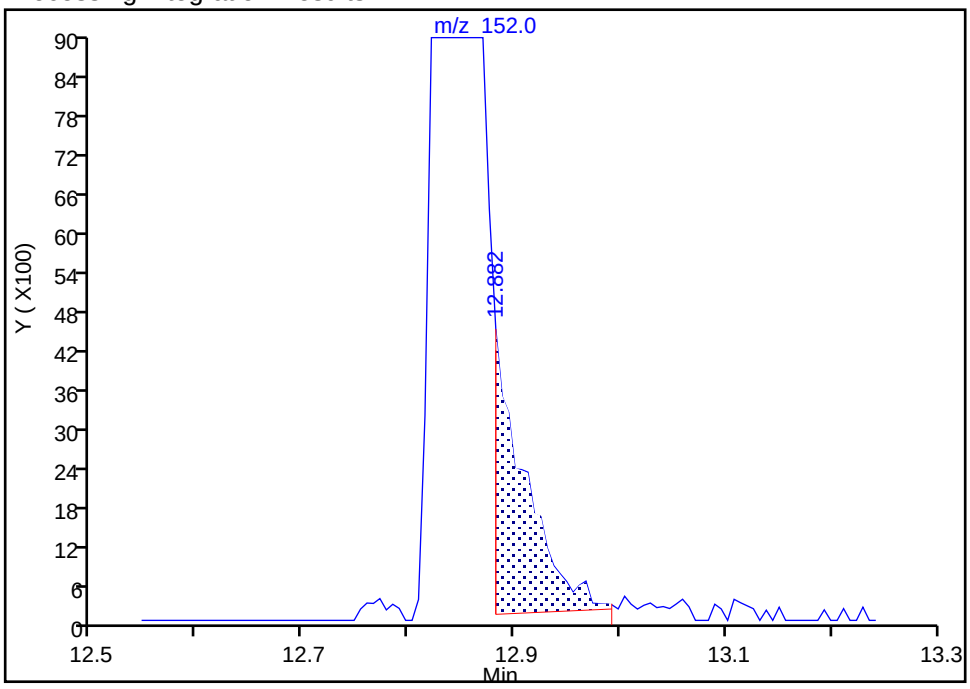
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Injection Date: 14-Jun-2024 20:13:30 Instrument ID: 10193
Lims ID: IC STD5 Sm
Client ID:
Operator ID: MEC29284 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

* 139 1,4-Dichlorobenzene-d4, CAS: 3855-82-1

Signal: 1

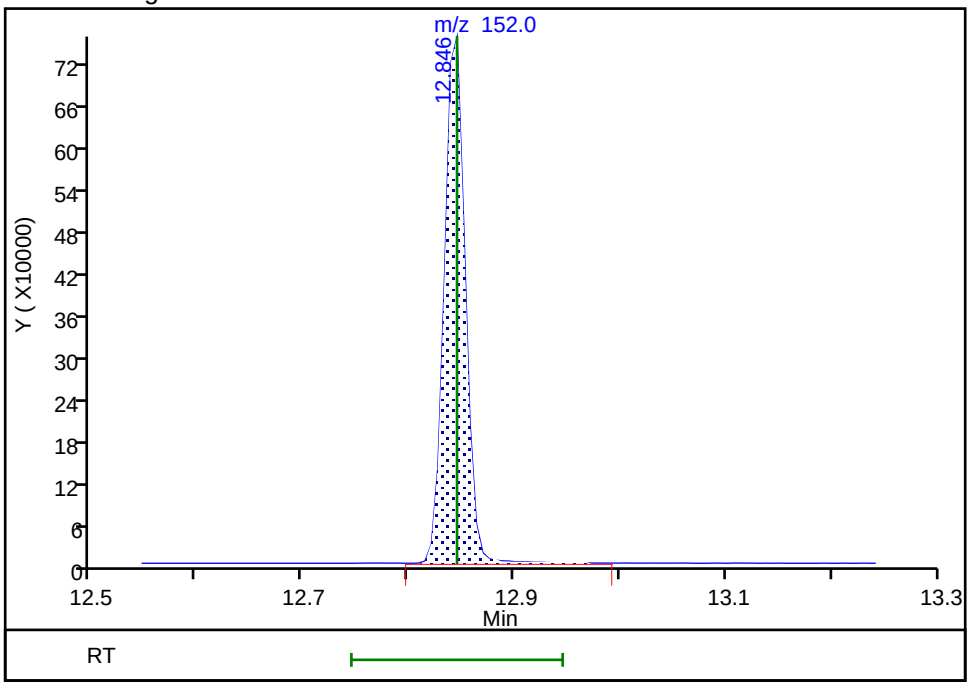
Processing Integration Results

RT: 12.88
Area: 8918
Amount: 10.000000
Amount Units: ug/l



Manual Integration Results

RT: 12.85
Area: 1043540
Amount: 10.000000
Amount Units: ug/l



Reviewer: UCB5, 16-Jun-2024 13:13:30 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X07.D
Lims ID: IC STD10 Sm
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 14-Jun-2024 20:35:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0116724-008
Misc. Info.: IC STD10 SM
Operator ID: MEC29284 Instrument ID: 10193
Sublist: chrom-MSV_10193_25mL*sub26

Method: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 17-Jun-2024 19:28:33 Calib Date: 15-Jun-2024 00:45:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1606

First Level Reviewer: UCB5 Date: 16-Jun-2024 13:14:46

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.762	1.762	0.000	93	290674	10.0	10.1	
3 Chlorodifluoromethane	51	1.811	1.811	0.000	97	663098	10.0	9.28	
4 Dimethyl ether	45	1.860	1.860	0.000	99	718466	10.0	9.74	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.153	2.153	0.000	33	697666	10.0	9.85	
27 Acetonitrile	41	3.561	3.561	0.000	98	161395	50.0	49.8	
* 31 t-Butyl alcohol-d10 (IS)	65	3.792	3.792	0.000	96	169129	50.0	50.0	
38 Vinyl acetate	43	4.780	4.780	0.000	97	591536	10.0	8.79	
46 Ethyl acetate	43	5.682	5.682	0.000	99	378013	10.0	9.23	
63 Isopropyl acetate	43	6.956	6.956	0.000	98	828807	10.0	9.15	
* 65 Fluorobenzene (IS)	96	7.267	7.267	0.000	99	2216624	10.0	10.0	
75 n-Propyl acetate	61	8.292	8.292	0.000	98	191314	10.0	9.30	
79 2-Chloroethyl vinyl ether	63	8.840	8.840	0.000	92	287969	10.0	10.4	
109 n-Butyl acetate	43	10.316	10.316	0.000	98	782776	10.0	9.30	
* 111 Chlorobenzene-d5 (IS)	117	10.901	10.901	0.000	83	1766238	10.0	10.0	M
122 cis-1,4-Dichloro-2-butene	88	11.852	11.852	0.000	97	376311	20.0	20.7	
123 Cyclohexanone	55	11.876	11.876	0.000	91	588934	500.0	486.4	
* 139 1,4-Dichlorobenzene-d4	152	12.846	12.846	0.000	93	1007513	10.0	10.0	M

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

MSV_CCV_V5ACE_00037	Amount Added:	1.00	Units: uL
MSV_CCV_CYC_00008	Amount Added:	8.00	Units: uL
MSV_V_SMRV4_00071	Amount Added:	5.00	Units: uL
MSV_HP25_ISO_00010	Amount Added:	1.00	Units: uL
MSV_DME_00055	Amount Added:	1.00	Units: uL

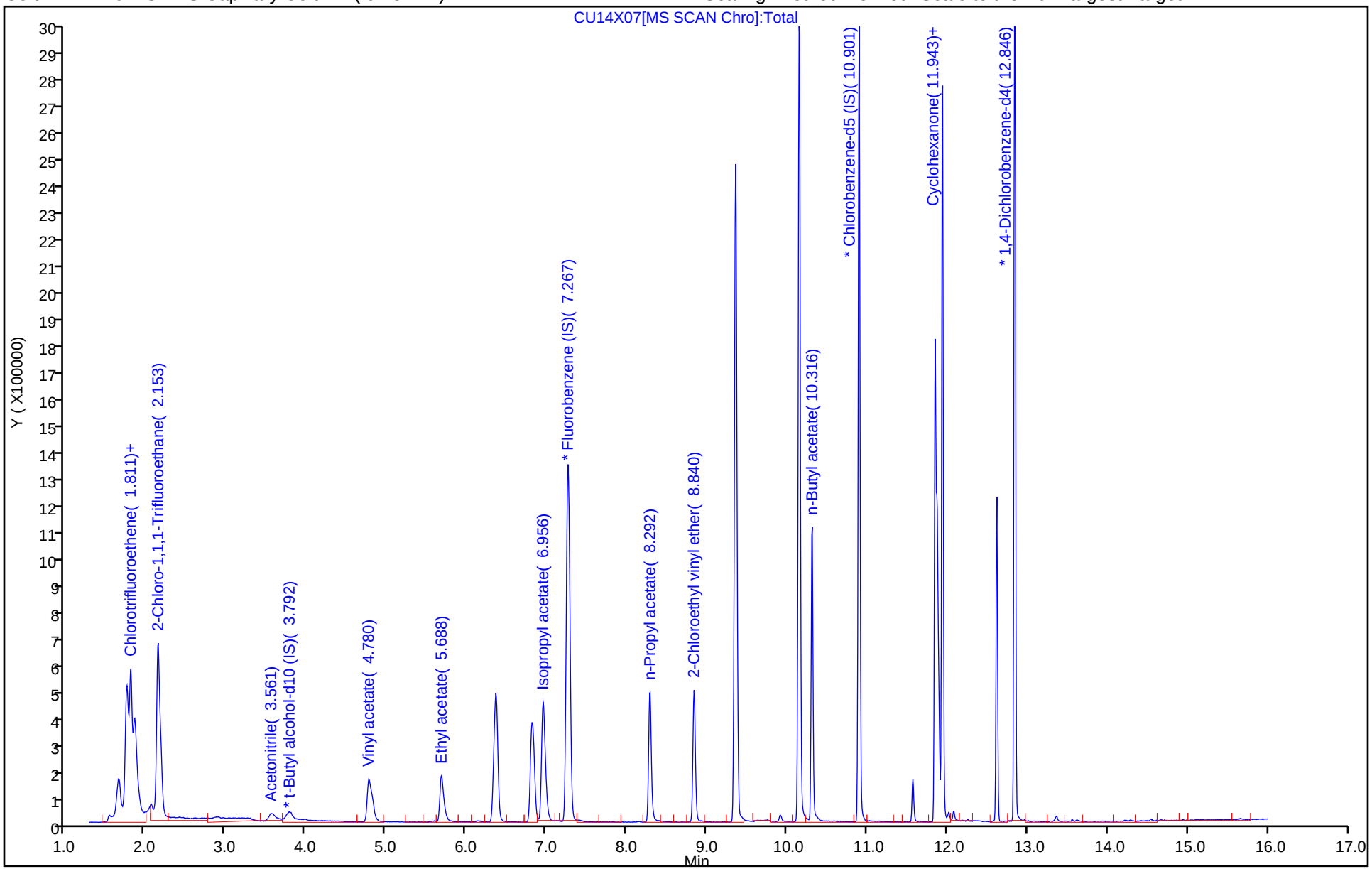
Report Date: 17-Jun-2024 19:28:33 Chrom Revision: 2.3 03-Jun-2024 20:58:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X07.D

Injection Date:	14-Jun-2024 20:35:30	Instrument ID:	10193	Operator ID:	MEC29284
Lims ID:	IC STD10 Sm			Worklist Smp#:	8
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

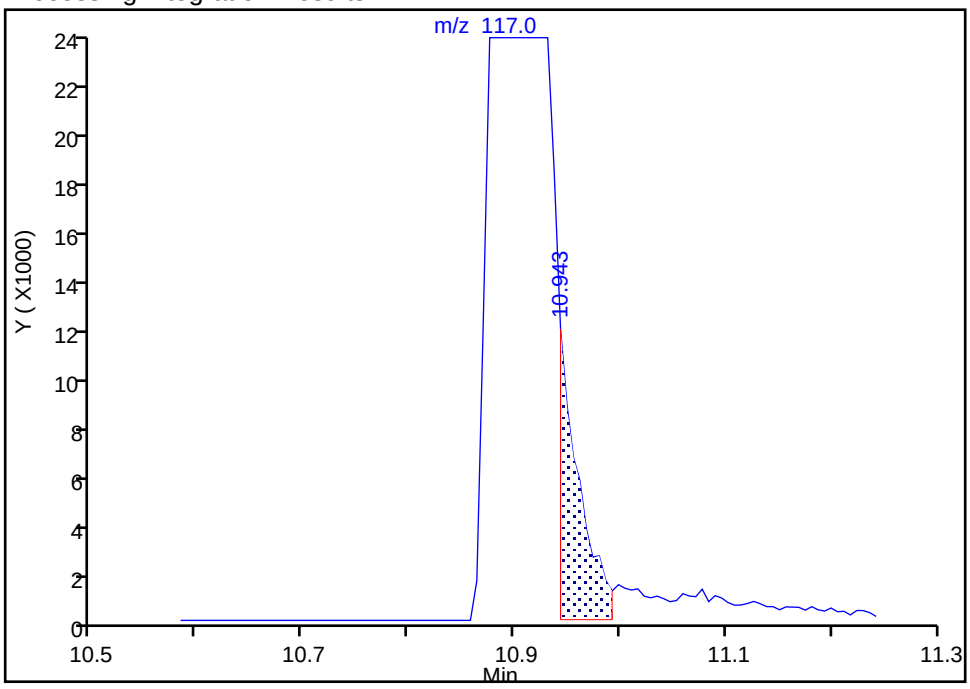
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Injection Date: 14-Jun-2024 20:35:30 Instrument ID: 10193
Lims ID: IC STD10 Sm
Client ID:
Operator ID: MEC29284 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

* 111 Chlorobenzene-d5 (IS), CAS: 3114-55-4

Signal: 1

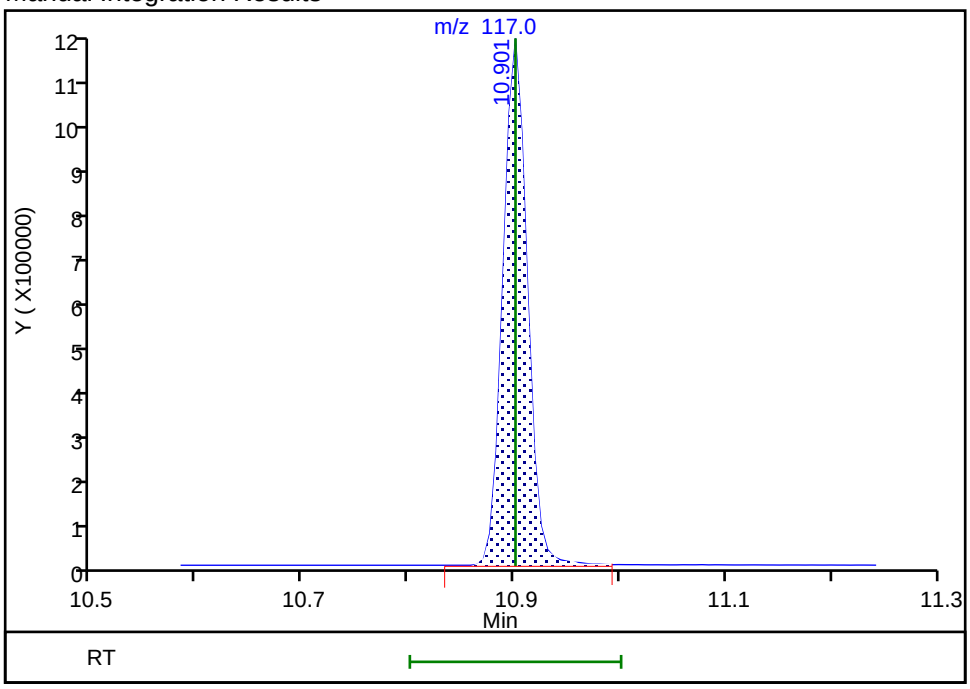
Processing Integration Results

RT: 10.94
Area: 15675
Amount: 10.000000
Amount Units: ug/l



Manual Integration Results

RT: 10.90
Area: 1766238
Amount: 10.000000
Amount Units: ug/l



Reviewer: UCB5, 16-Jun-2024 13:14:14 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

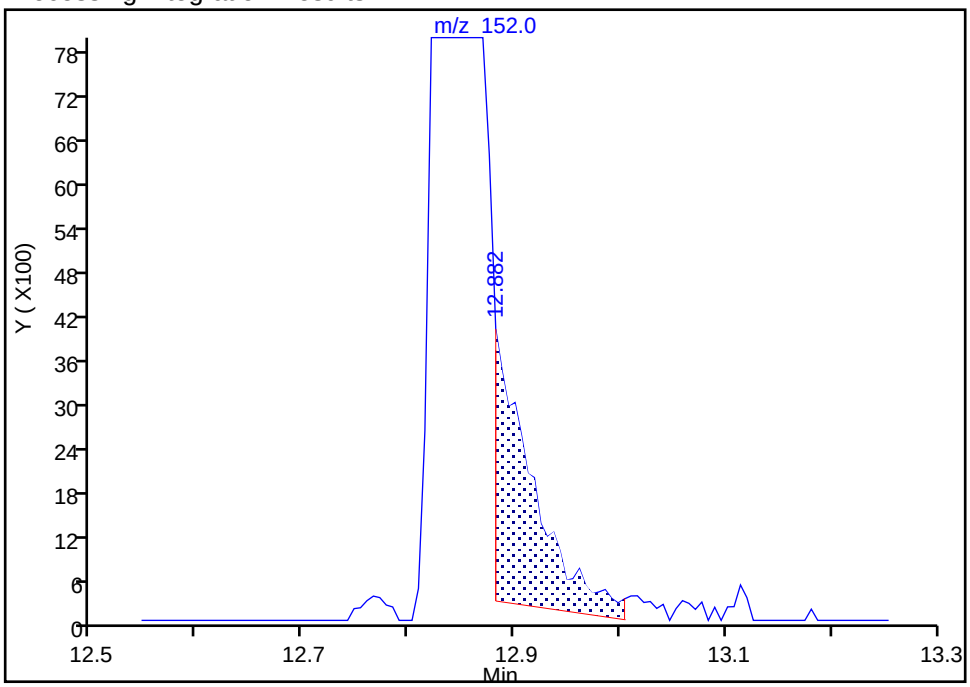
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Injection Date: 14-Jun-2024 20:35:30 Instrument ID: 10193
Lims ID: IC STD10 Sm
Client ID:
Operator ID: MEC29284 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

* 139 1,4-Dichlorobenzene-d4, CAS: 3855-82-1

Signal: 1

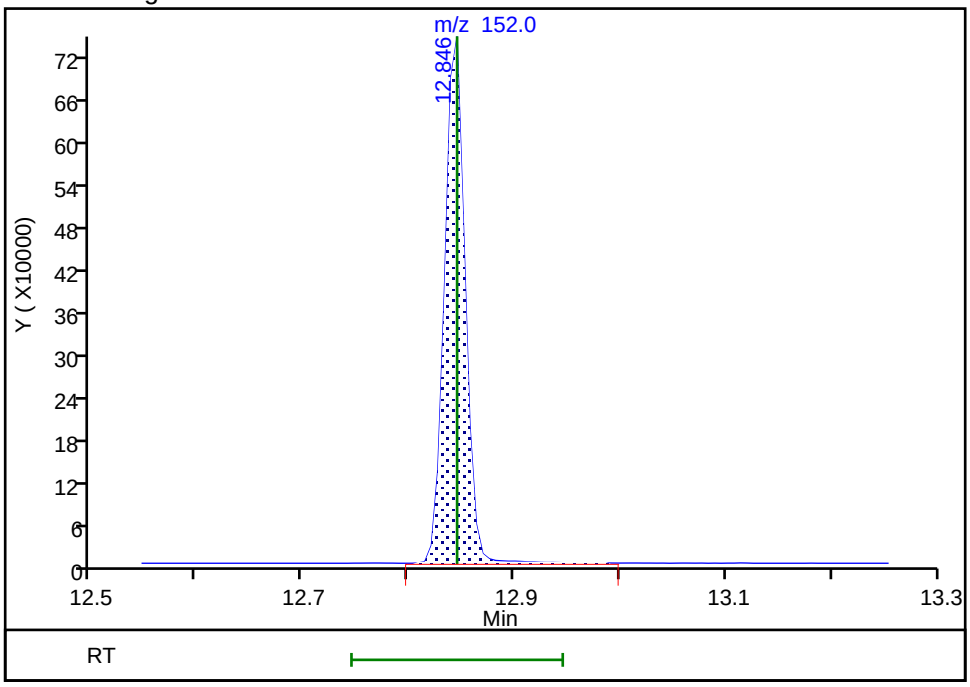
Processing Integration Results

RT: 12.88
Area: 9427
Amount: 10.000000
Amount Units: ug/l



Manual Integration Results

RT: 12.85
Area: 1007513
Amount: 10.000000
Amount Units: ug/l



Reviewer: UCB5, 16-Jun-2024 13:14:33 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X08.D
Lims ID: IC STD25 Sm
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 14-Jun-2024 20:58:30 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0116724-009
Misc. Info.: IC STD25 SM
Operator ID: MEC29284 Instrument ID: 10193
Sublist: chrom-MSV_10193_25mL*sub26

Method: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 17-Jun-2024 19:28:36 Calib Date: 15-Jun-2024 00:45:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1606

First Level Reviewer: UCB5 Date: 16-Jun-2024 13:15:40

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.762	1.762	0.000	93	751862	25.0	25.5	
3 Chlorodifluoromethane	51	1.817	1.811	0.006	97	1644844	25.0	22.5	
4 Dimethyl ether	45	1.866	1.860	0.006	98	1717783	25.0	22.8	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.152	2.153	-0.001	33	1758521	25.0	24.3	
27 Acetonitrile	41	3.561	3.561	0.000	99	383998	125.0	115.8	
* 31 t-Butyl alcohol-d10 (IS)	65	3.811	3.792	0.019	96	171543	50.0	50.0	
38 Vinyl acetate	43	4.786	4.780	0.006	97	1320162	25.0	19.2	
46 Ethyl acetate	43	5.688	5.682	0.006	99	931100	25.0	22.2	
63 Isopropyl acetate	43	6.956	6.956	0.000	98	2073951	25.0	22.4	
* 65 Fluorobenzene (IS)	96	7.267	7.267	0.000	99	2266360	10.0	10.0	
75 n-Propyl acetate	61	8.291	8.292	-0.001	98	479977	25.0	22.8	
79 2-Chloroethyl vinyl ether	63	8.840	8.840	0.000	92	728916	25.0	25.6	
109 n-Butyl acetate	43	10.315	10.316	-0.001	98	1919068	25.0	22.5	
* 111 Chlorobenzene-d5 (IS)	117	10.901	10.901	0.000	83	1787560	10.0	10.0	
122 cis-1,4-Dichloro-2-butene	88	11.852	11.852	0.000	97	949343	50.0	51.5	
123 Cyclohexanone	55	11.876	11.876	0.000	91	1480018	1250.0	1205.2	
* 139 1,4-Dichlorobenzene-d4	152	12.845	12.846	-0.001	93	1032134	10.0	10.0	M

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

MSV_CCV_V5ACE_00037	Amount Added:	2.50	Units: uL
MSV_CCV_CYC_00008	Amount Added:	20.00	Units: uL
MSV_V_SMRV4_00071	Amount Added:	12.50	Units: uL
MSV_HP25_ISO_00010	Amount Added:	1.00	Units: uL
MSV_DME_00055	Amount Added:	2.50	Units: uL

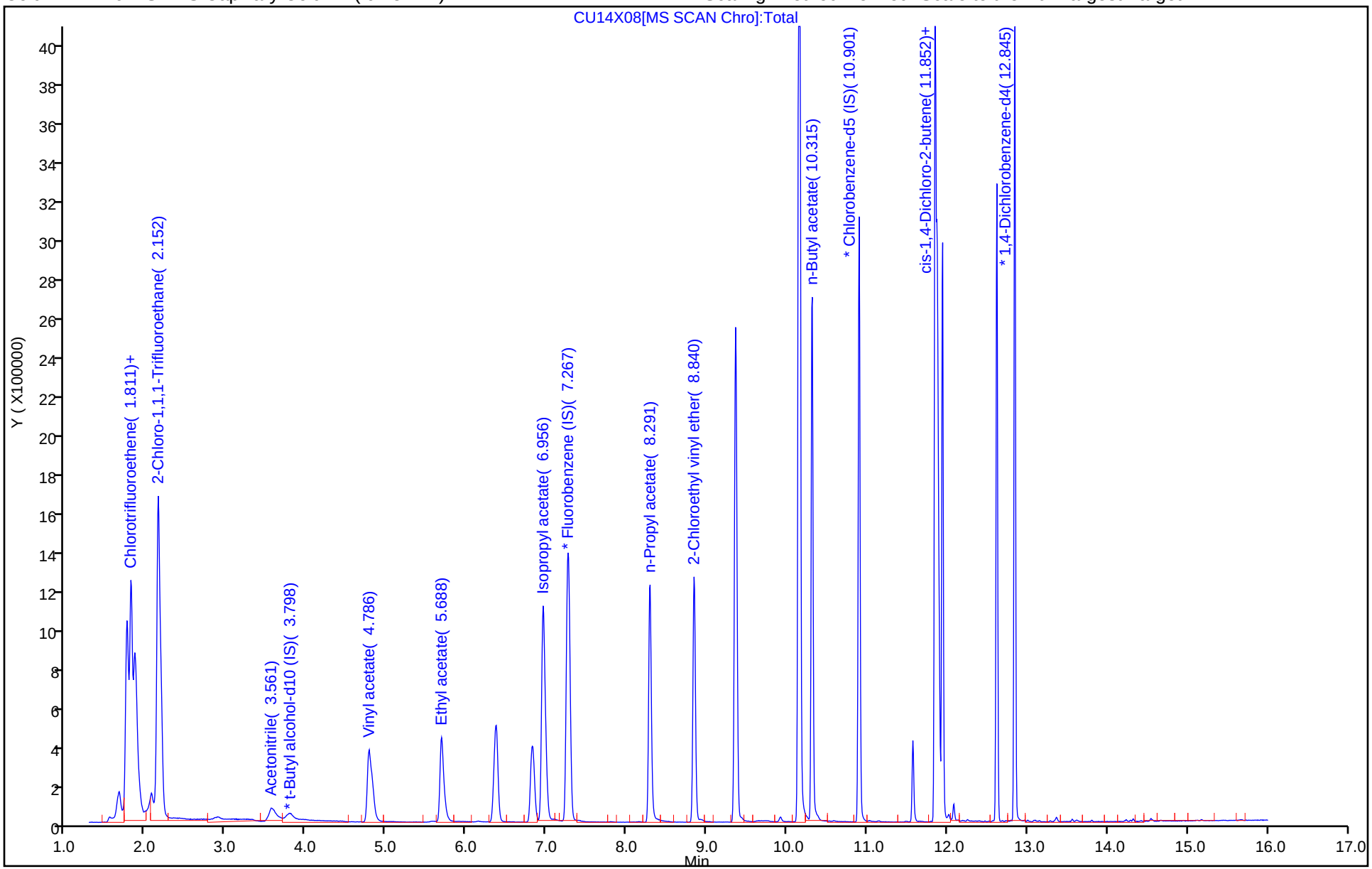
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Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X08.D

Injection Date:	14-Jun-2024 20:58:30	Instrument ID:	10193	Operator ID:	MEC29284
Lims ID:	IC STD25 Sm			Worklist Smp#:	9
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

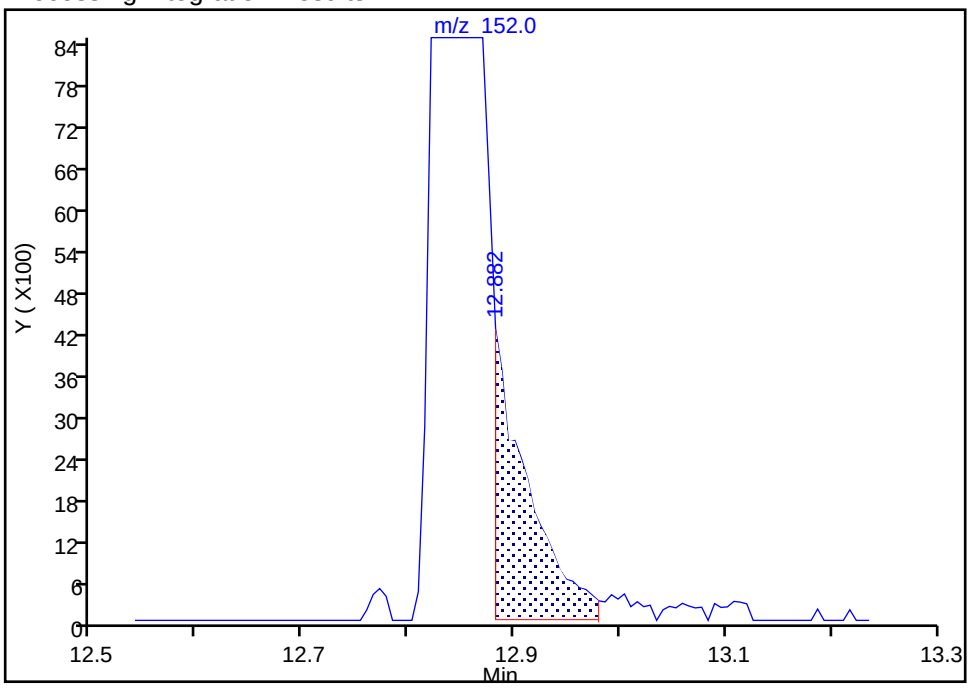
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Injection Date: 14-Jun-2024 20:58:30 Instrument ID: 10193
Lims ID: IC STD25 Sm
Client ID:
Operator ID: MEC29284 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

* 139 1,4-Dichlorobenzene-d4, CAS: 3855-82-1

Signal: 1

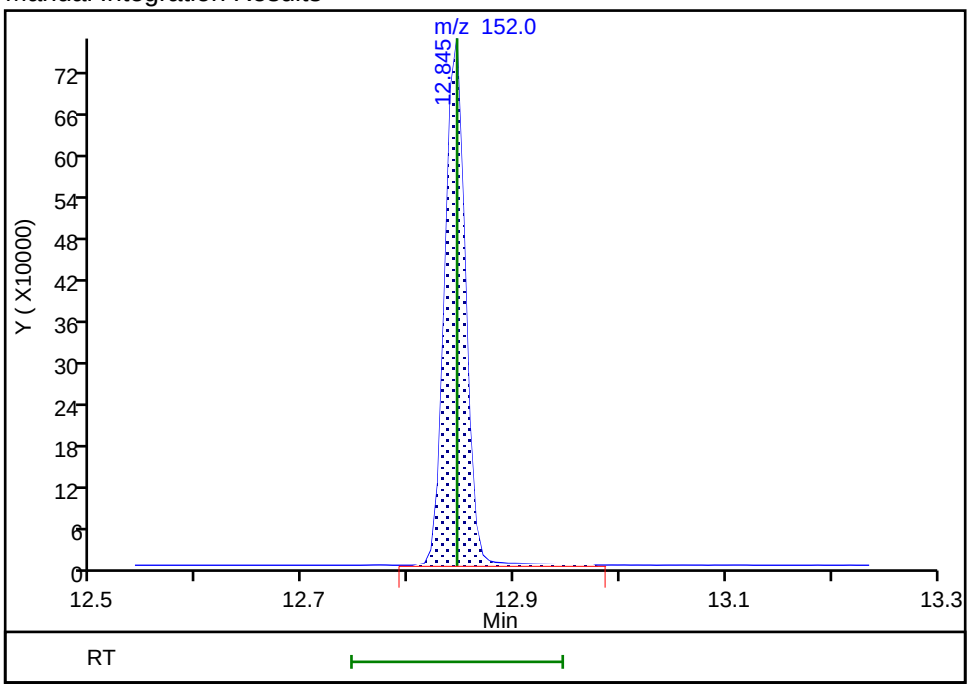
Processing Integration Results

RT: 12.88
Area: 9473
Amount: 10.000000
Amount Units: ug/l



Manual Integration Results

RT: 12.85
Area: 1032134
Amount: 10.000000
Amount Units: ug/l



Reviewer: UCB5, 16-Jun-2024 13:15:22 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Calibration / Chlorodifluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

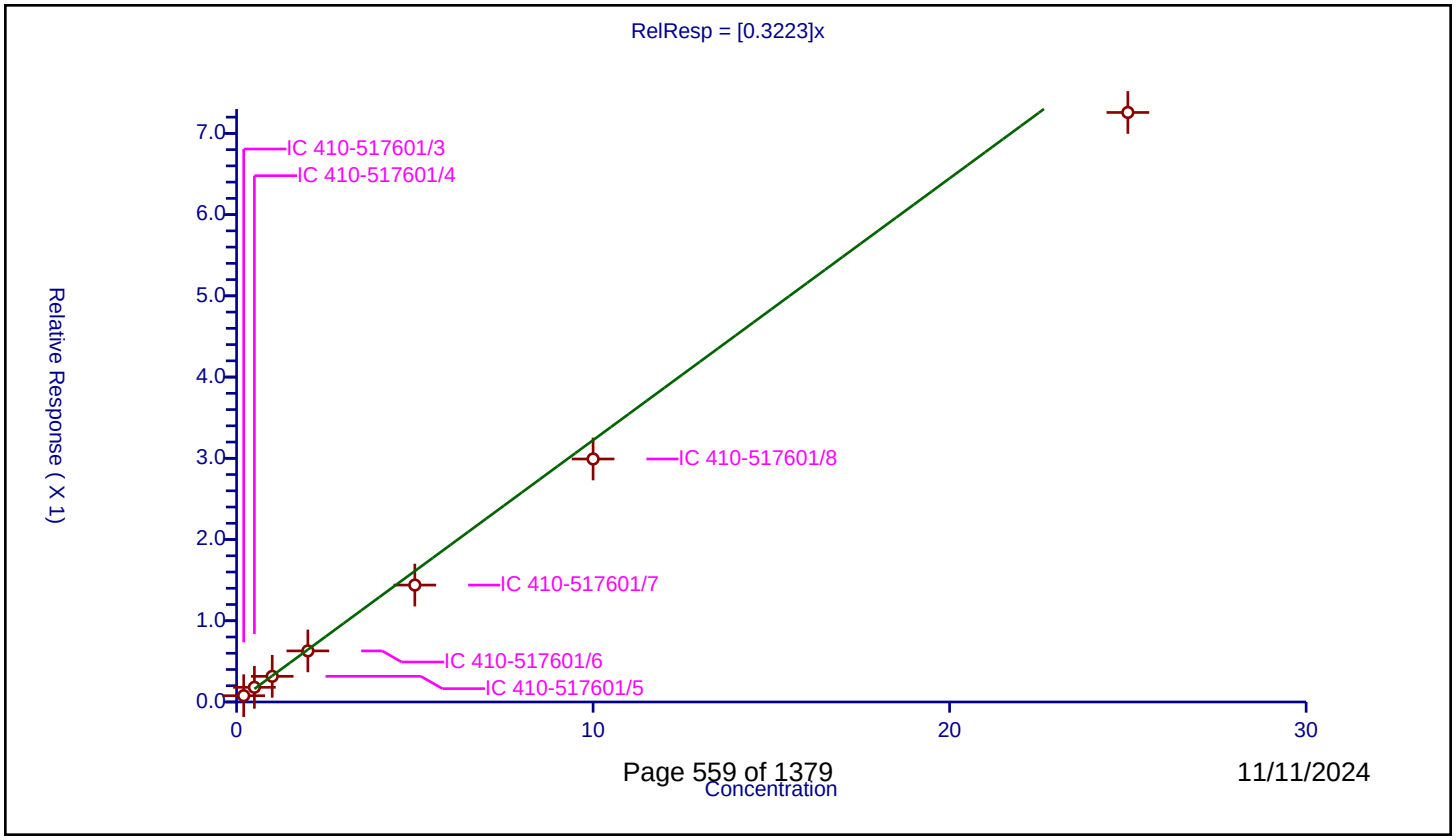
Curve Coefficients

Intercept:	0
Slope:	0.3223

Error Coefficients

Relative Standard Deviation:	11.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/3	0.2	0.077398	10.0	2213224.0	0.386992	Y
2	IC 410-517601/4	0.5	0.180862	10.0	2244091.0	0.361723	Y
3	IC 410-517601/5	1.0	0.315959	10.0	2229529.0	0.315959	Y
4	IC 410-517601/6	2.0	0.628867	10.0	2275521.0	0.314433	Y
5	IC 410-517601/7	5.0	1.439273	10.0	2298834.0	0.287855	Y
6	IC 410-517601/8	10.0	2.991477	10.0	2216624.0	0.299148	Y
7	IC 410-517601/9	25.0	7.257647	10.0	2266360.0	0.290306	Y



Calibration / Dimethyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

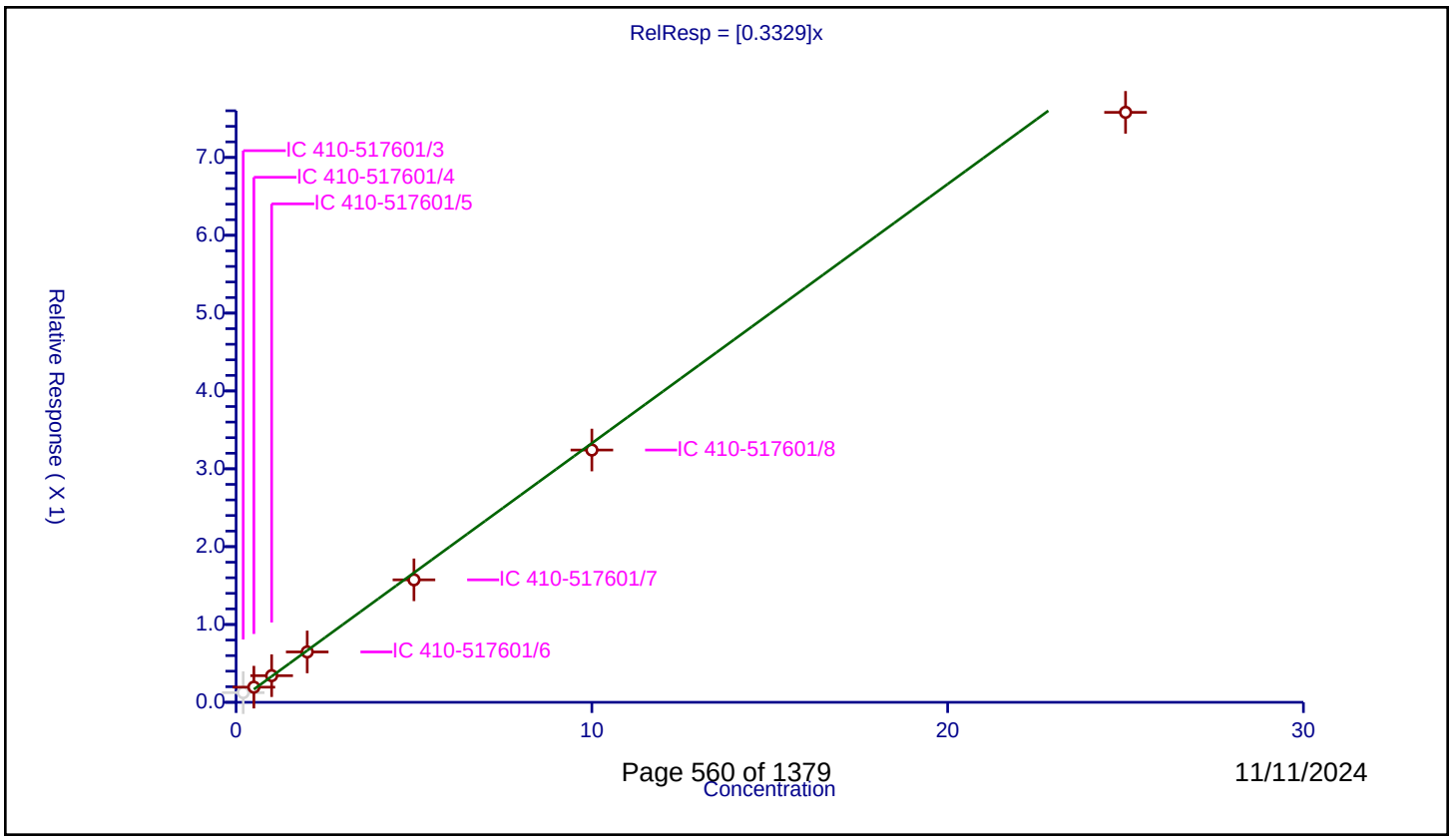
Curve Coefficients

Intercept:	0
Slope:	0.3329

Error Coefficients

Relative Standard Deviation:	9.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/3	0.2	0.123752	10.0	2213224.0	0.618758	N
2	IC 410-517601/4	0.5	0.194765	10.0	2244091.0	0.38953	Y
3	IC 410-517601/5	1.0	0.342243	10.0	2229529.0	0.342243	Y
4	IC 410-517601/6	2.0	0.647025	10.0	2275521.0	0.323513	Y
5	IC 410-517601/7	5.0	1.573815	10.0	2298834.0	0.314763	Y
6	IC 410-517601/8	10.0	3.241262	10.0	2216624.0	0.324126	Y
7	IC 410-517601/9	25.0	7.57948	10.0	2266360.0	0.303179	Y



Calibration / Acetonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

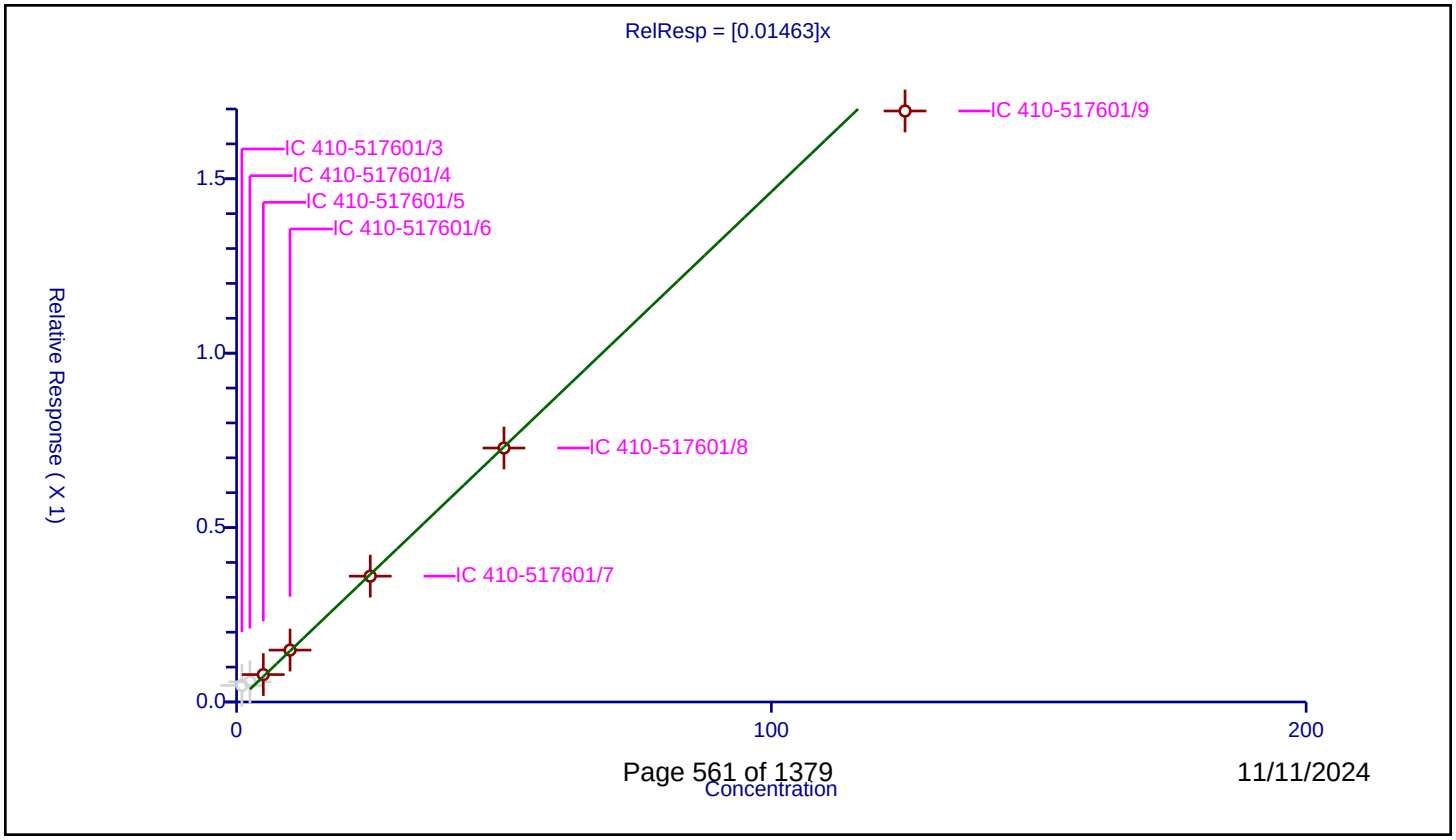
Curve Coefficients

Intercept:	0
Slope:	0.01463

Error Coefficients

Relative Standard Deviation:	5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/3	1.0	0.047474	10.0	2213224.0	0.047474	N
2	IC 410-517601/4	2.5	0.057783	10.0	2244091.0	0.023113	N
3	IC 410-517601/5	5.0	0.078559	10.0	2229529.0	0.015712	Y
4	IC 410-517601/6	10.0	0.148823	10.0	2275521.0	0.014882	Y
5	IC 410-517601/7	25.0	0.360713	10.0	2298834.0	0.014429	Y
6	IC 410-517601/8	50.0	0.728112	10.0	2216624.0	0.014562	Y
7	IC 410-517601/9	125.0	1.694338	10.0	2266360.0	0.013555	Y



11/11/2024

Calibration / Vinyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

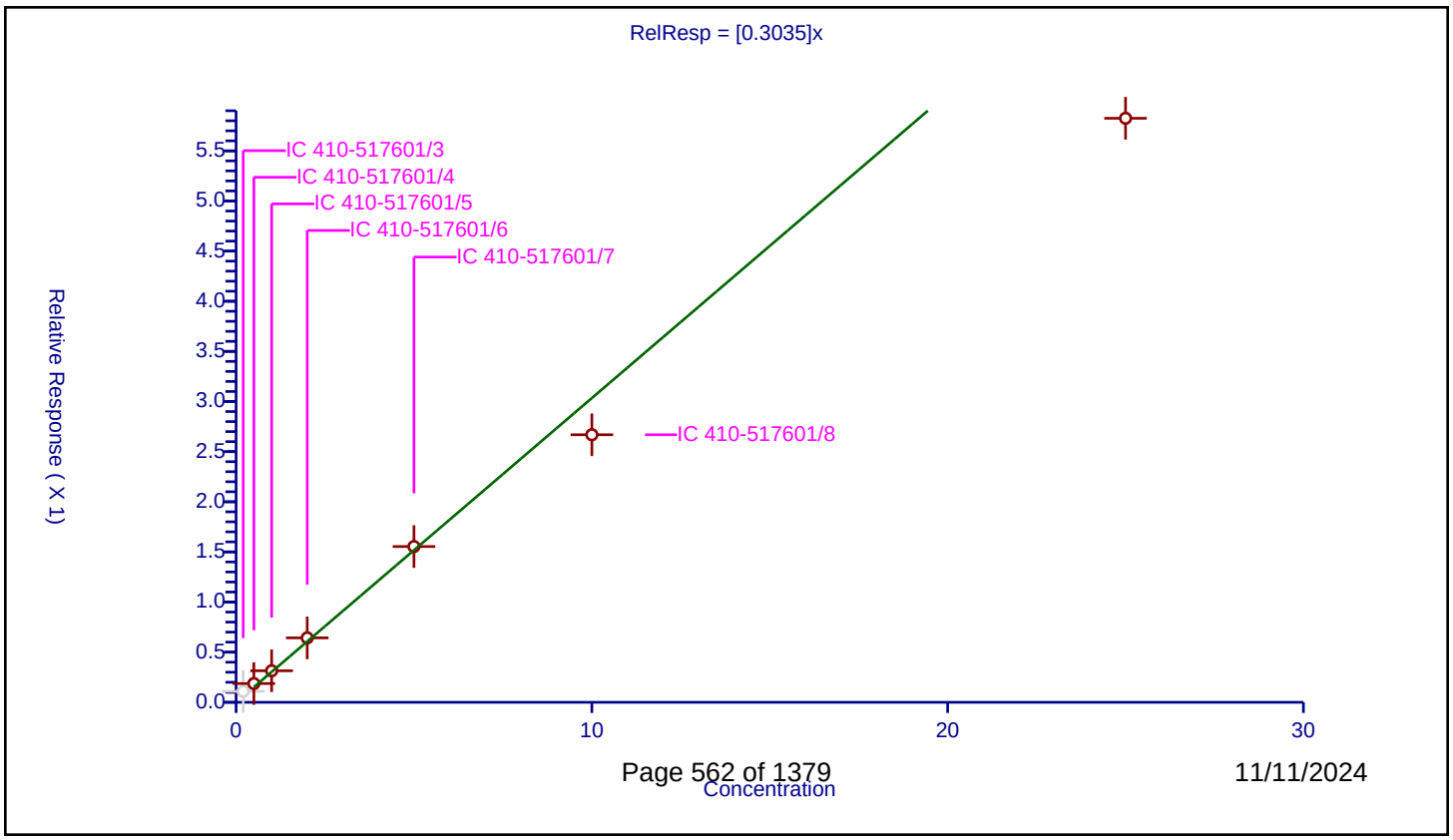
Curve Coefficients

Intercept:	0
Slope:	0.3035

Error Coefficients

Relative Standard Deviation:	16.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/3	0.2	0.109447	10.0	2213224.0	0.547233	N
2	IC 410-517601/4	0.5	0.187056	10.0	2244091.0	0.374111	Y
3	IC 410-517601/5	1.0	0.314591	10.0	2229529.0	0.314591	Y
4	IC 410-517601/6	2.0	0.64282	10.0	2275521.0	0.32141	Y
5	IC 410-517601/7	5.0	1.553683	10.0	2298834.0	0.310737	Y
6	IC 410-517601/8	10.0	2.668635	10.0	2216624.0	0.266863	Y
7	IC 410-517601/9	25.0	5.825032	10.0	2266360.0	0.233001	Y



Calibration / Ethyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

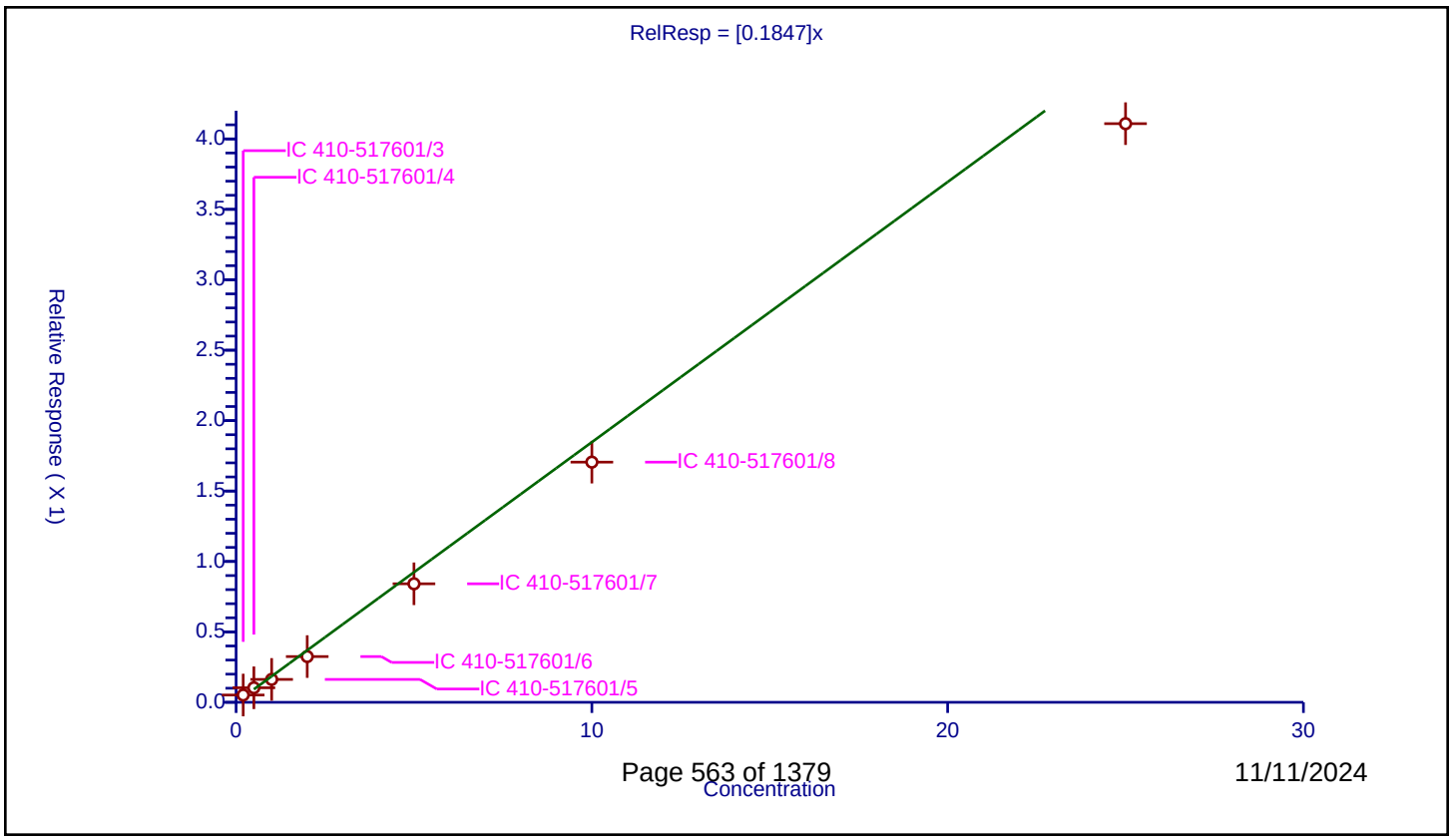
Curve Coefficients

Intercept:	0
Slope:	0.1847

Error Coefficients

Relative Standard Deviation:	19.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/3	0.2	0.051662	10.0	2213224.0	0.258311	Y
2	IC 410-517601/4	0.5	0.103298	10.0	2244091.0	0.206596	Y
3	IC 410-517601/5	1.0	0.162505	10.0	2229529.0	0.162505	Y
4	IC 410-517601/6	2.0	0.324752	10.0	2275521.0	0.162376	Y
5	IC 410-517601/7	5.0	0.841522	10.0	2298834.0	0.168304	Y
6	IC 410-517601/8	10.0	1.705355	10.0	2216624.0	0.170535	Y
7	IC 410-517601/9	25.0	4.10835	10.0	2266360.0	0.164334	Y



Calibration / 2-Chloroethyl vinyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

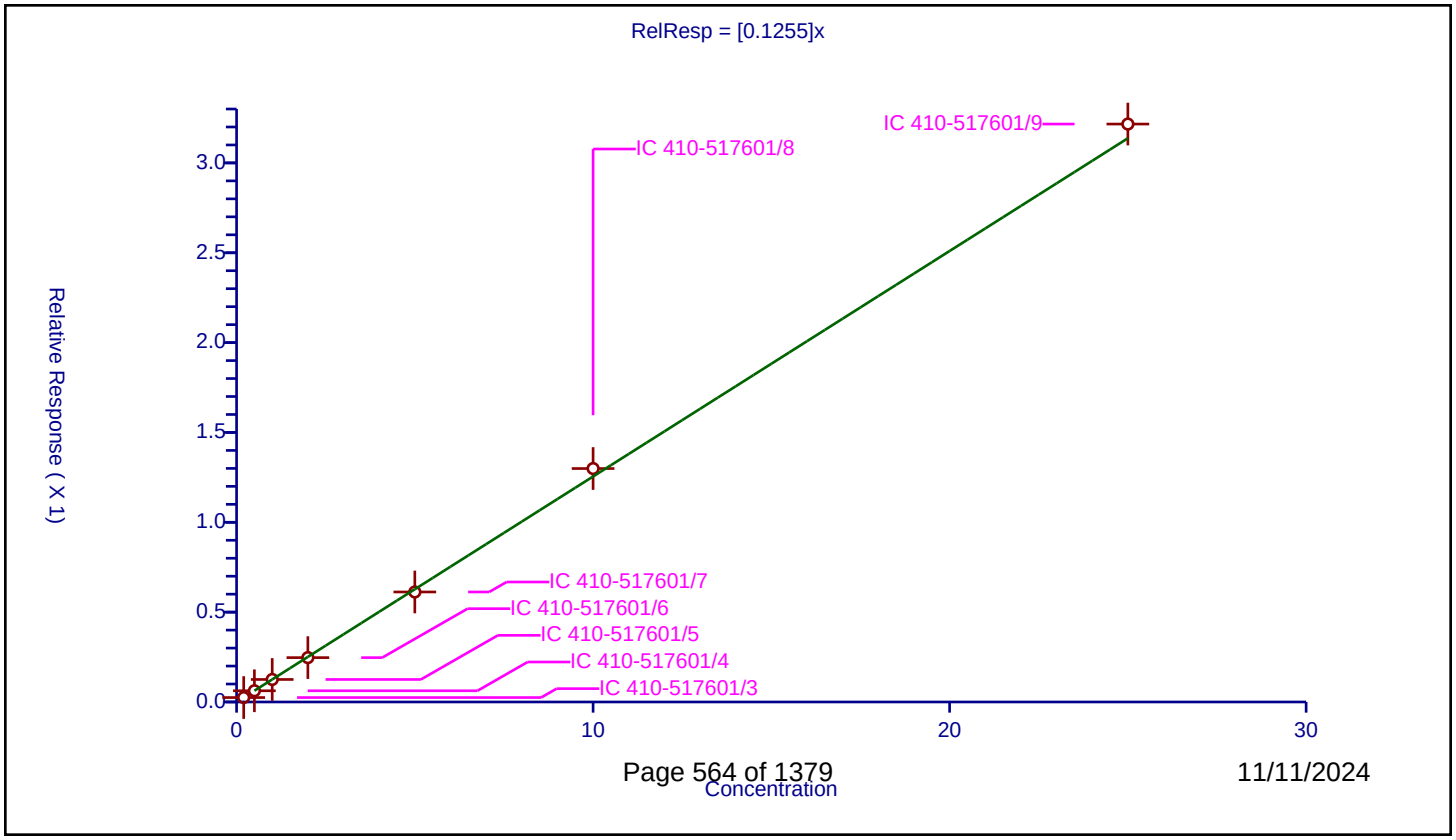
Curve Coefficients

Intercept:	0
Slope:	0.1255

Error Coefficients

Relative Standard Deviation:	2.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/3	0.2	0.024783	10.0	2213224.0	0.123914	Y
2	IC 410-517601/4	0.5	0.062377	10.0	2244091.0	0.124754	Y
3	IC 410-517601/5	1.0	0.125309	10.0	2229529.0	0.125309	Y
4	IC 410-517601/6	2.0	0.246845	10.0	2275521.0	0.123422	Y
5	IC 410-517601/7	5.0	0.612184	10.0	2298834.0	0.122437	Y
6	IC 410-517601/8	10.0	1.299133	10.0	2216624.0	0.129913	Y
7	IC 410-517601/9	25.0	3.216241	10.0	2266360.0	0.12865	Y



Calibration / cis-1,4-Dichloro-2-butene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

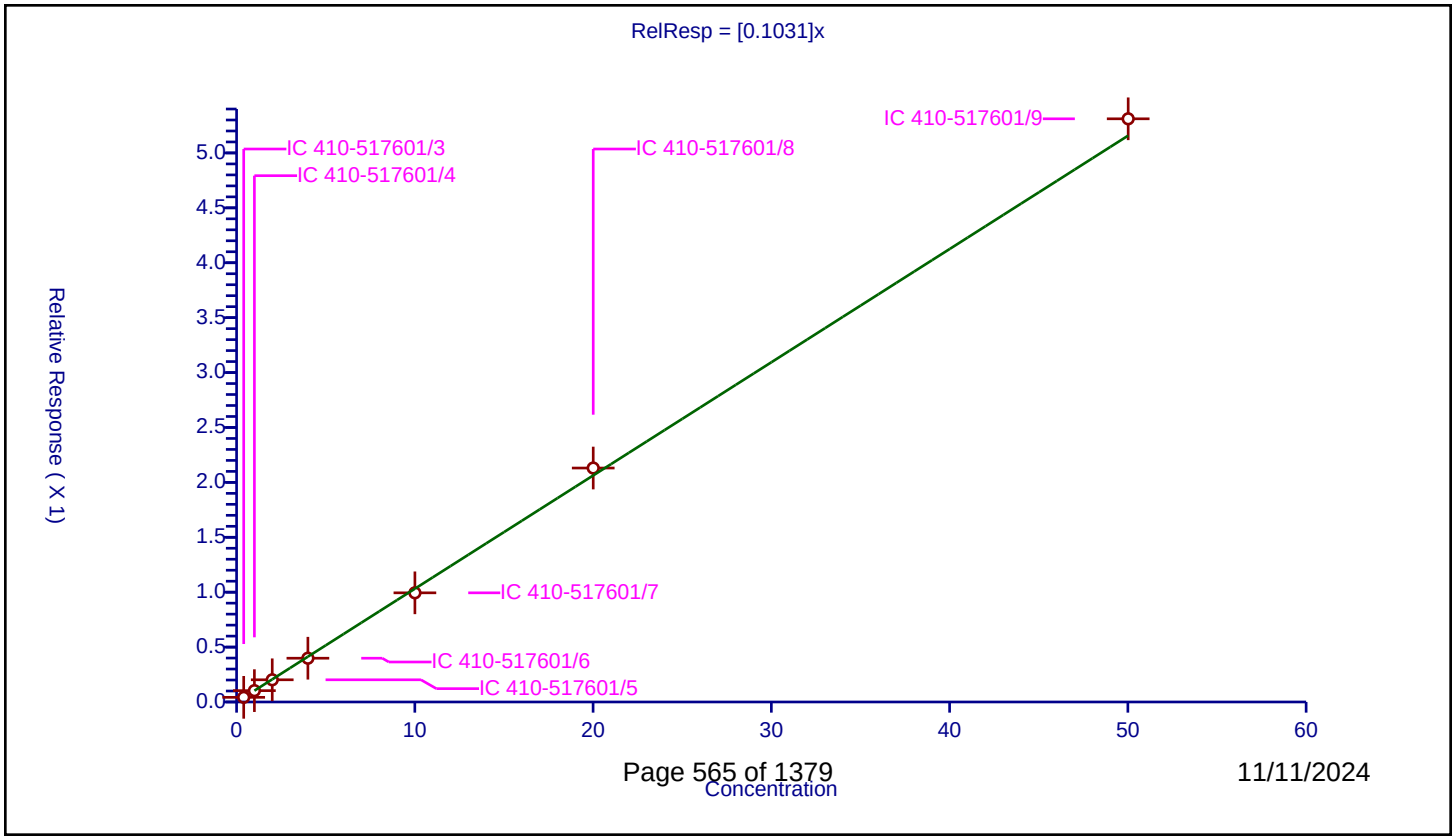
Curve Coefficients

Intercept:	0
Slope:	0.1031

Error Coefficients

Relative Standard Deviation:	3.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/3	0.40014	0.042345	10.0	1768346.0	0.105825	Y
2	IC 410-517601/4	1.00035	0.10341	10.0	1787741.0	0.103374	Y
3	IC 410-517601/5	2.0007	0.202049	10.0	1772095.0	0.100989	Y
4	IC 410-517601/6	4.0014	0.398645	10.0	1805744.0	0.099626	Y
5	IC 410-517601/7	10.0035	0.99413	10.0	1810185.0	0.099378	Y
6	IC 410-517601/8	20.007	2.130579	10.0	1766238.0	0.106492	Y
7	IC 410-517601/9	50.0175	5.310832	10.0	1787560.0	0.106179	Y



Calibration / Cyclohexanone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

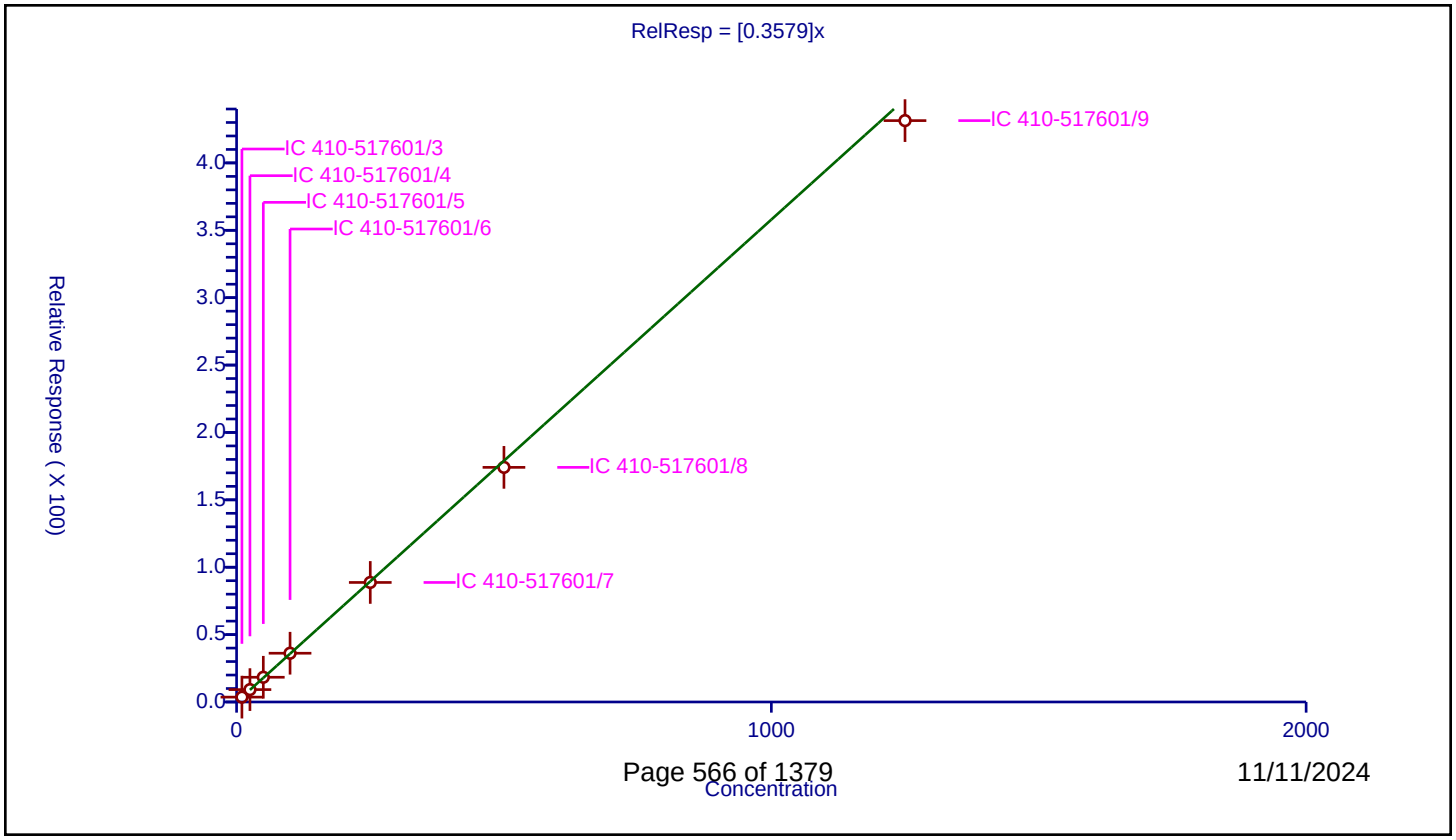
Curve Coefficients

Intercept:	0
Slope:	0.3579

Error Coefficients

Relative Standard Deviation:	2.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/3	9.999698	3.610488	50.0	174644.0	0.36106	Y
2	IC 410-517601/4	24.999246	9.188586	50.0	178836.0	0.367555	Y
3	IC 410-517601/5	49.998492	18.351917	50.0	180270.0	0.367049	Y
4	IC 410-517601/6	99.996984	36.175072	50.0	177755.0	0.361762	Y
5	IC 410-517601/7	249.99246	88.705217	50.0	191283.0	0.354832	Y
6	IC 410-517601/8	499.98492	174.107929	50.0	169129.0	0.348226	Y
7	IC 410-517601/9	1249.9623	431.383968	50.0	171543.0	0.345118	Y



FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1 Analy Batch No.: 517601

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2024 22:28 Calibration End Date: 06/15/2024 00:45 Calibration ID: 62906

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-517601/13	CU14X12.D
Level 2	IC 410-517601/14	CU14X13.D
Level 3	IC 410-517601/15	CU14X14.D
Level 4	IC 410-517601/16	CU14X15.D
Level 5	IC 410-517601/17	CU14X16.D
Level 6	ICIS 410-517601/18	CU14X17.D
Level 7	IC 410-517601/19	CU14X18.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.3585 0.3217	0.3306 0.3413	0.3183	0.3264	0.3277	Ave		0.3321			0.1000	4.1		20.0			
Chloromethane	0.3949 0.3548	0.3939 0.3732	0.3609	0.3861	0.3625	Ave		0.3752			0.1000	4.4		20.0			
Vinyl chloride	0.3827 0.3540	0.3769 0.3765	0.3550	0.3807	0.3585	Ave		0.3692			0.1000	3.5		20.0			
1,3-Butadiene	0.4306 0.3780	0.3905 0.3872	0.3969	0.3971	0.3818	Ave		0.3946				4.4		20.0			
Bromomethane	0.2911 0.2468	0.2647 0.2588	0.2475	0.2628	0.2461	Ave		0.2597			0.1000	6.1		20.0			
Chloroethane	0.2265 0.2026	0.2121 0.2134	0.2041	0.2150	0.2064	Ave		0.2114			0.1000	3.9		20.0			
Dichlorofluoromethane	0.5749 0.5358	0.5299 0.5650	0.5276	0.5641	0.5372	Ave		0.5478			0.1000	3.6		20.0			
Trichlorofluoromethane	0.4629 0.4154	0.4228 0.4344	0.4155	0.4379	0.4182	Ave		0.4296			0.1000	4.0		20.0			
Ethyl ether	0.1994 0.1898	0.1907 0.2039	0.1919	0.1920	0.1905	Ave		0.1940				2.8		20.0			
Freon 123a	0.3474 0.3040	0.3222 0.3231	0.2975	0.3139	0.3045	Ave		0.3161				5.3		20.0			
Acrolein	1.9170 1.9925	1.7383 2.0355	1.9332	2.0045	1.8673	Ave		1.9269				5.2		20.0			
1,1-Dichloroethene	0.2565 0.2155	0.2359 0.2291	0.2190	0.2287	0.2168	Ave		0.2288			0.1000	6.3		20.0			
Acetone	3.0309 2.3621	2.5283 2.3329	2.3724	2.4062	2.3250	Ave		2.4797			0.1000	10.2		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1 Analy Batch No.: 517601

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2024 22:28 Calibration End Date: 06/15/2024 00:45 Calibration ID: 62906

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Freon 113	0.2432 0.2334	0.2328 0.2416	0.2247	0.2348	0.2370	Ave		0.2354			0.1000	2.6		20.0			
Methyl iodide	0.4968 0.4660	0.4652 0.4959	0.4600	0.4820	0.4687	Ave		0.4764				3.2		20.0			
Ethyl bromide	0.2074 0.2041	0.2085 0.2203	0.2067	0.2061	0.2048	Ave		0.2083				2.7		20.0			
Carbon disulfide	0.7665 0.7283	0.7161 0.7885	0.7089	0.7572	0.7329	Ave		0.7426			0.1000	3.9		20.0			
Methyl acetate	8.0171 6.8786	7.2486 6.8930	6.6617	7.2602	6.8733	Ave		7.1189			0.1000	6.3		20.0			
Allyl chloride	0.3841 0.3735	0.3706 0.4012	0.3719	0.3849	0.3740	Ave		0.3800				2.9		20.0			
Methylene Chloride	0.3293 0.2548	0.2711 0.2689	0.2687	0.2595	0.2558	Ave		0.2726			0.1000	9.5		20.0			
t-Butyl alcohol	1.1323 0.8629	1.0159 0.8887	0.9839	1.0305	0.8527	Ave		0.9667				10.7		20.0			
Acrylonitrile	4.5745 3.3508	3.4807 3.3586	3.6236	3.8018	3.1573	Ave		3.6210				12.9		20.0			
Methyl tert-butyl ether	0.7265 0.6970	0.6904 0.7293	0.6839	0.6843	0.6763	Ave		0.6983			0.1000	3.0		20.0			
trans-1,2-Dichloroethene	0.2894 0.2639	0.2673 0.2796	0.2679	0.2765	0.2664	Ave		0.2730			0.1000	3.4		20.0			
n-Hexane	0.4030 0.3437	0.3498 0.3594	0.3322	0.3493	0.3451	Ave		0.3546				6.4		20.0			
1,1-Dichloroethane	0.4830 0.4602	0.4589 0.4884	0.4575	0.4710	0.4641	Ave		0.4690			0.2000	2.6		20.0			
di-Isopropyl ether	0.8707 0.8222	0.8199 0.8737	0.8177	0.8263	0.8211	Ave		0.8360				3.0		20.0			
2-Chloro-1,3-butadiene	0.4212 0.3770	0.3766 0.4017	0.3735	0.3908	0.3818	Ave		0.3890				4.4		20.0			
Ethyl t-butyl ether	0.8832 0.8073	0.8055 0.8537	0.7845	0.7972	0.8017	Ave		0.8190				4.3		20.0			
2-Butanone (MEK)	4.7956 4.5598	4.1839 4.5382	4.6416	4.8314	4.3029	Ave		4.5505			0.1000	5.3		20.0			
cis-1,2-Dichloroethene	0.3270 0.2981	0.2961 0.3173	0.3006	0.3083	0.2992	Ave		0.3067			0.1000	3.8		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1 Analy Batch No.: 517601

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2024 22:28 Calibration End Date: 06/15/2024 00:45 Calibration ID: 62906

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
2,2-Dichloropropane	0.4305 0.3652	0.4019 0.3854	0.3738	0.3937	0.3707	Ave		0.3888				5.8		20.0			
Propionitrile	1.2145 1.2936	1.1256 1.3442	1.2064	1.3273	1.0821	Ave		1.2277				8.2		20.0			
Methacrylonitrile	4.8532 4.3712	4.0967 4.4966	4.6136	4.7386	4.3259	Ave		4.4994				5.8		20.0			
Tetrahydrofuran	1.6826 1.3283	1.3930 1.3547	1.4472	1.4477	1.2951	Ave		1.4212				9.1		20.0			
Bromochloromethane	0.1481 0.1400	0.1374 0.1467	0.1389	0.1403	0.1401	Ave		0.1416				2.9		20.0			
Chloroform	0.5881 0.4613	0.5052 0.4871	0.4861	0.4827	0.4676	Ave		0.4969			0.2000	8.6		20.0			
1,1,1-Trichloroethane	0.4449 0.4013	0.4106 0.4261	0.3981	0.4174	0.4071	Ave		0.4151			0.1000	3.9		20.0			
Cyclohexane	0.4718 0.4406	0.4273 0.4600	0.4208	0.4336	0.4407	Ave		0.4421			0.1000	4.1		20.0			
Carbon tetrachloride	0.3871 0.3705	0.3621 0.3977	0.3652	0.3762	0.3726	Ave		0.3759			0.1000	3.3		20.0			
1,1-Dichloropropene	0.3922 0.3602	0.3625 0.3880	0.3540	0.3756	0.3650	Ave		0.3711				3.9		20.0			
Isobutyl alcohol	0.3538 0.3432	0.3284 0.3349	0.3621	0.3693	0.3357	Ave		0.3468				4.4		20.0			
Benzene	1.1628 1.0846	1.1106 1.1537	1.0906	1.1210	1.0835	Ave		1.1153			0.5000	2.9		20.0			
1,2-Dichloroethane	0.2951 0.2777	0.2868 0.2891	0.2852	0.2774	0.2800	Ave		0.2845			0.1000	2.3		20.0			
t-Amyl methyl ether	0.7819 0.7663	0.7379 0.8031	0.7430	0.7459	0.7505	Ave		0.7612				3.1		20.0			
n-Heptane	0.3909 0.3669	0.3524 0.3781	0.3497	0.3658	0.3702	Ave		0.3677				3.9		20.0			
n-Butanol	0.3235 0.3323	0.2857 0.3367	0.3426	0.3301	0.2805	Ave		0.3188				7.9		20.0			
Trichloroethene	0.3303 0.2950	0.3057 0.3146	0.2976	0.3068	0.2994	Ave		0.3070			0.2000	4.0		20.0			
Methylcyclohexane	0.5227 0.4951	0.4714 0.5181	0.4635	0.4794	0.4946	Ave		0.4921			0.1000	4.6		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1 Analy Batch No.: 517601

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2024 22:28 Calibration End Date: 06/15/2024 00:45 Calibration ID: 62906

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2-Dichloropropane	0.2971 0.2820	0.2788 0.3014	0.2764	0.2823	0.2805	Ave		0.2855			0.1000	3.4		20.0			
1,4-Dioxane	0.0395 0.0618	0.0672 0.0682	0.0680	0.0659	0.0672	Ave		0.0626			0.0050	16.6		20.0			
Methyl methacrylate	10.416 9.1635	9.1008 9.2547	9.7568	9.5409	8.8035	Ave		9.4337				5.6		20.0			
Dibromomethane	0.1512 0.1424	0.1401 0.1538	0.1427	0.1414	0.1463	Ave		0.1454				3.6		20.0			
Bromodichloromethane	0.3568 0.3421	0.3370 0.3639	0.3301	0.3413	0.3406	Ave		0.3445			0.2000	3.4		20.0			
2-Nitropropane	2.6961 2.5790	2.2799 2.5796	2.5358	2.6680	2.4500	Ave		2.5412				5.6		20.0			
1-Bromo-2-chloroethane	0.2753 0.2817	0.2735 0.2955	0.2761	0.2780	0.2742	Ave		0.2792				2.8		20.0			
cis-1,3-Dichloropropene	0.4553 0.4446	0.4301 0.4743	0.4313	0.4425	0.4435	Ave		0.4460			0.2000	3.4		20.0			
4-Methyl-2-pentanone (MIBK)	11.974 11.625	10.516 11.968	11.625	12.115	11.627	Ave		11.636			0.1000	4.6		20.0			
Toluene	0.9788 0.9331	0.9172 1.0012	0.9292	0.9611	0.9283	Ave		0.9498			0.4000	3.3		20.0			
trans-1,3-Dichloropropene	0.5104 0.4838	0.4576 0.5208	0.4627	0.4701	0.4828	Ave		0.4840			0.1000	4.9		20.0			
Ethyl methacrylate	0.4375 0.4174	0.3867 0.4453	0.3970	0.4055	0.4126	Ave		0.4146				5.1		20.0			
1,1,2-Trichloroethane	0.2927 0.2665	0.2758 0.2823	0.2690	0.2686	0.2690	Ave		0.2748			0.1000	3.5		20.0			
Tetrachloroethene	0.4744 0.4621	0.4548 0.4969	0.4661	0.4826	0.4651	Ave		0.4717			0.2000	3.0		20.0			
1,3-Dichloropropane	0.4690 0.4523	0.4406 0.4851	0.4490	0.4455	0.4555	Ave		0.4567				3.4		20.0			
2-Hexanone	8.8225 8.2737	7.7246 8.4716	8.6746	8.8595	8.3711	Ave		8.4568			0.1000	4.6		20.0			
Dibromochloromethane	0.3588 0.3590	0.3333 0.3860	0.3398	0.3419	0.3525	Ave		0.3530				5.0		20.0			
1,2-Dibromoethane (EDB)	0.2824 0.2731	0.2648 0.2911	0.2621	0.2640	0.2702	Ave		0.2725			0.1000	3.9		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1 Analy Batch No.: 517601

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2024 22:28 Calibration End Date: 06/15/2024 00:45 Calibration ID: 62906

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1-Chlorohexane	0.6466 0.5272	0.5534 0.5624	0.5313	0.5469	0.5289	Ave		0.5567				7.5		20.0			
Chlorobenzene	1.1571 1.1162	1.0915 1.1938	1.1107	1.1567	1.1215	Ave		1.1353			0.5000	3.1		20.0			
1,1,1,2-Tetrachloroethane	0.4001 0.4025	0.3857 0.4347	0.3840	0.3968	0.3976	Ave		0.4002				4.2		20.0			
Ethylbenzene	1.9224 1.8304	1.7877 1.9709	1.7971	1.9191	1.8280	Ave		1.8651			0.1000	3.8		20.0			
m&p-Xylene	0.7759 0.7498	0.7360 0.8104	0.7386	0.7869	0.7487	Ave		0.7638			0.1000	3.7		20.0			
o-Xylene	0.7515 0.7448	0.7346 0.8003	0.7359	0.7578	0.7456	Ave		0.7529			0.3000	3.0		20.0			
Styrene	1.2382 1.2467	1.1982 1.3321	1.1949	1.2801	1.2425	Ave		1.2475			0.3000	3.8		20.0			
Bromoform	0.2459 0.2284	0.2152 0.2472	0.2156	0.2170	0.2237	Ave		0.2276			0.1000	6.1		20.0			
Isopropylbenzene	1.8031 1.7847	1.7072 1.8937	1.7084	1.8329	1.7787	Ave		1.7870			0.1000	3.7		20.0			
1,1,2,2-Tetrachloroethane	0.6068 0.5872	0.5716 0.6198	0.5451	0.5750	0.5806	Ave		0.5837			0.3000	4.2		20.0			
Bromobenzene	0.9296 0.8575	0.8605 0.9004	0.8492	0.9054	0.8552	Ave		0.8797				3.6		20.0			
trans-1,4-Dichloro-2-butene	0.1362 0.1392	0.1305 0.1503	0.1322	0.1338	0.1376	Ave		0.1371				4.8		20.0			
1,2,3-Trichloropropane	0.1719 0.1610	0.1598 0.1707	0.1523	0.1587	0.1604	Ave		0.1621				4.3		20.0			
N-Propylbenzene	3.9018 3.7177	3.6774 3.8595	3.6319	3.9856	3.7000	Ave		3.7820				3.5		20.0			
2-Chlorotoluene	0.8818 0.8288	0.8201 0.8736	0.8124	0.8941	0.8254	Ave		0.8480				4.0		20.0			
1,3,5-Trimethylbenzene	2.8847 2.7865	2.7302 2.9751	2.6973	2.9179	2.7816	Ave		2.8248				3.6		20.0			
4-Chlorotoluene	0.8696 0.8598	0.8758 0.9168	0.8548	0.9501	0.8617	Ave		0.8841				4.0		20.0			
tert-Butylbenzene	0.7054 0.6653	0.6622 0.7038	0.6476	0.7118	0.6589	Ave		0.6793				3.9		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1 Analy Batch No.: 517601

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2024 22:28 Calibration End Date: 06/15/2024 00:45 Calibration ID: 62906

ANALYTE	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								
Pentachloroethane	0.4790 0.5256	0.4789 0.5657	0.4961	0.5055	0.5133	Ave		0.5092				5.9		20.0			
1,2,4-Trimethylbenzene	2.9627 2.8923	2.8087 3.0867	2.7716	3.0207	2.8738	Ave		2.9166				3.9		20.0			
sec-Butylbenzene	3.7571 3.6261	3.5322 3.7402	3.4971	3.7822	3.5781	Ave		3.6447				3.2		20.0			
1,3-Dichlorobenzene	1.7860 1.7116	1.6674 1.8009	1.6493	1.8529	1.6974	Ave		1.7379			0.6000	4.4		20.0			
p-Isopropyltoluene	3.3098 3.2669	3.1570 3.4223	3.0817	3.4409	3.2515	Ave		3.2757				4.0		20.0			
1,4-Dichlorobenzene	1.8205 1.7400	1.7253 1.8468	1.6669	1.9155	1.7307	Ave		1.7780			0.5000	4.8		20.0			
1,2,3-Trimethylbenzene	1.3484 1.3473	1.3042 1.4340	1.2833	1.3915	1.3153	Ave		1.3463				3.9		20.0			
Benzyl chloride	0.2711 0.2742	0.2657 0.2880	0.2490	0.2591	0.2654	Ave		0.2675				4.6		20.0			
n-Butylbenzene	1.6031 1.5487	1.5171 1.6447	1.4863	1.6710	1.5386	Ave		1.5728				4.3		20.0			
1,2-Dichlorobenzene	1.5745 1.5906	1.5318 1.6792	1.5067	1.6660	1.5587	Ave		1.5868			0.4000	4.1		20.0			
1,2-Dibromo-3-Chloropropane	0.0861 0.1064	0.0949 0.1124	0.0859	0.0913	0.0995	Ave		0.0967			0.0500	10.4		20.0			
1,3,5-Trichlorobenzene	1.3418 1.3567	1.2728 1.3951	1.2589	1.4839	1.3289	Ave		1.3483				5.6		20.0			
1,2,4-Trichlorobenzene	1.0234 1.1465	1.0079 1.1861	0.9735	1.2256	1.0863	Ave		1.0928			0.2000	8.8		20.0			
Hexachlorobutadiene	0.5899 0.5636	0.5432 0.5679	0.5352	0.6144	0.5354	Ave		0.5642				5.3		20.0			
Naphthalene	1.5358 1.9272	1.5844 1.9841	1.5120	1.7912	1.7723	Ave		1.7296				11.0		20.0			
1,2,3-Trichlorobenzene	0.7641 0.9153	0.7900 0.9477	0.7566	0.9373	0.8538	Ave		0.8521				9.7		20.0			
Dibromofluoromethane (Surr)	0.2425 0.2430	0.2415 0.2423	0.2416	0.2417	0.2426	Ave		0.2422				0.2		20.0			
1,2-Dichloroethane-d4 (Surr)	0.0498 0.0488	0.0486 0.0492	0.0503	0.0505	0.0495	Ave		0.0495				1.5		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1 Analy Batch No.: 517601

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2024 22:28 Calibration End Date: 06/15/2024 00:45 Calibration ID: 62906

ANALYTE	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								
Toluene-d8 (Surr)	1.2758 1.2893	1.2699 1.2953	1.2698	1.2849	1.2840	Ave		1.2813				0.8		20.0			
4-Bromofluorobenzene (Surr)	0.4768 0.4844	0.4761 0.4869	0.4803	0.4802	0.4868	Ave		0.4817				0.9		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC | Job No.: 410-193020-1 | Analy Batch No.: 517601

SDG No.:

Instrument ID: 10193 | GC Column: R-624SilMS ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2024 22:28 | Calibration End Date: 06/15/2024 00:45 | Calibration ID: 62906

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-517601/13	CU14X12.D
Level 2	IC 410-517601/14	CU14X13.D
Level 3	IC 410-517601/15	CU14X14.D
Level 4	IC 410-517601/16	CU14X15.D
Level 5	IC 410-517601/17	CU14X16.D
Level 6	ICIS 410-517601/18	CU14X17.D
Level 7	IC 410-517601/19	CU14X18.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	16203 734237	37177 1905383	70836	144773	368681	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Chloromethane	FB	Ave	17848 809771	44306 2083250	80305	171285	407831	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Vinyl chloride	FB	Ave	17298 808044	42389 2101955	78986	168879	403385	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,3-Butadiene	FB	Ave	19462 862743	43922 2161710	88324	176166	429588	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Bromomethane	FB	Ave	13155 563388	29766 1445096	55079	116580	276953	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Chloroethane	FB	Ave	10238 462351	23856 1191486	45415	95383	232235	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Dichlorofluoromethane	FB	Ave	25983 1222831	59601 3154184	117409	250225	604485	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Trichlorofluoromethane	FB	Ave	20923 948084	47549 2424884	92461	194248	470564	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl ether	FB	Ave	9010 433149	21441 1138331	42704	85154	214368	0.200 10.00	0.500 25.0	1.000	2.00	5.00
Freon 123a	FB	Ave	15704 693949	36239 1803949	66197	139224	342676	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Acrolein	TBAd10	Ave	66727 3768167	164124 9594947	325233	660165	1691591	10.0 501	25.1 1253	50.1	100	251
1,1-Dichloroethene	FB	Ave	11595 491747	26536 1279237	48730	101463	243926	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Acetone	TBAd10	Ave	21054 891438	47638 2194483	79646	158143	420322	2.00 100	5.00 250	10.0	20.0	50.0
Freon 113	FB	Ave	10990 532721	26179 1349071	50001	104154	266684	0.200 10.0	0.500 25.0	1.00	2.00	5.00

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1 Analy Batch No.: 517601

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2024 22:28 Calibration End Date: 06/15/2024 00:45 Calibration ID: 62906

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Methyl iodide	FB	Ave	22454 1063632	52317 2768721	102351	213794	527337	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl bromide	FB	Ave	9390 466648	23488 1232176	46078	91587	230787	0.200 10.0	0.501 25.0	1.00	2.00	5.01
Carbon disulfide	FB	Ave	34643 1662162	80537 4401815	157757	335862	824689	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Methyl acetate	TBAd10	Ave	5569 259596	13658 648417	22365	47717	124256	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Allyl chloride	FB	Ave	17362 852542	41675 2239904	82764	170737	420870	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Methylene Chloride	FB	Ave	14882 581565	30489 1501358	59785	115124	287772	0.200 10.0	0.500 25.0	1.00	2.00	5.00
t-Butyl alcohol	TBAd10	Ave	15731 651277	38284 1671928	66064	135456	308310	4.00 200	10.0 500	20.0	40.0	100
Acrylonitrile	TBAd10	Ave	7944 316143	16396 789839	30413	62467	142694	0.500 25.0	1.25 62.5	2.50	5.00	12.5
Methyl tert-butyl ether	FB	Ave	32837 1590845	77651 4071785	152192	303566	761005	0.200 10.0	0.500 25.0	1.00	2.00	5.00
trans-1,2-Dichloroethene	FB	Ave	13081 602335	30060 1561141	59615	122631	299762	0.200 10.0	0.500 25.0	1.00	2.00	5.00
n-Hexane	FB	Ave	18213 784492	39337 2006405	73921	154924	388303	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1-Dichloroethane	FB	Ave	21831 1050430	51613 2726420	101800	208917	522243	0.200 10.0	0.500 25.0	1.00	2.00	5.00
di-Isopropyl ether	FB	Ave	39356 1876667	92217 4877622	181962	366516	923885	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Chloro-1,3-butadiene	FB	Ave	19039 860537	42355 2242733	83112	173359	429652	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl t-butyl ether	FB	Ave	39920 1842578	90588 4765931	174560	353608	902126	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Butanone (MEK)	TBAd10	Ave	33312 1720851	78834 4268978	155831	317542	777874	2.00 100	5.00 250	10.0	20.0	50.0
cis-1,2-Dichloroethene	FB	Ave	14782 680417	33306 1771577	66881	136749	336715	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2,2-Dichloropropane	FB	Ave	19457 833572	45206 2151525	83180	174661	417165	0.200 10.0	0.500 25.0	1.00	2.00	5.00

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1 Analy Batch No.: 517601

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2024 22:28 Calibration End Date: 06/15/2024 00:45 Calibration ID: 62906

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Propionitrile	TBAd10	Ave	16873 976438	42419 2529029	81001	174466	391243	4.00 200	10.0 500	20.0	40.0	100
Methacrylonitrile	TBAd10	Ave	33712 1649667	77190 4229919	154888	311440	782044	2.00 100	5.00 250	10.0	20.0	50.0
Tetrahydrofuran	TBAd10	Ave	5844 250650	13124 637151	24293	47576	117062	1.00 50.0	2.50 125	5.00	10.0	25.0
Bromochloromethane	FB	Ave	6692 319608	15450 818941	30909	62213	157650	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Chloroform	FB	Ave	26580 1052795	56816 2719432	108163	214097	526188	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1,1-Trichloroethane	FB	Ave	20109 915814	46177 2378894	88597	185171	458013	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Cyclohexane	FB	Ave	21324 1005521	48058 2567920	93635	192345	495847	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Carbon tetrachloride	FB	Ave	17495 845695	40728 2220074	81258	166872	419280	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1-Dichloropropene	FB	Ave	17728 822182	40770 2166141	78774	166607	410648	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Isobutyl alcohol	TBAd10	Ave	12289 647610	30940 1575075	60786	121374	303451	10.0 500	25.0 1250	50.0	100	250
Benzene	FB	Ave	52557 2475580	124904 6440925	242685	497277	1219179	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2-Dichloroethane	FB	Ave	13336 633799	32250 1614182	63473	123070	315060	0.200 10.0	0.500 25.0	1.00	2.00	5.00
t-Amyl methyl ether	FB	Ave	35339 1748941	82988 4483418	165331	330886	844422	0.200 10.0	0.500 25.0	1.00	2.00	5.00
n-Heptane	FB	Ave	17670 837504	39635 2110634	77827	162254	416498	0.200 10.0	0.500 25.0	1.00	2.00	5.00
n-Butanol	TBAd10	Ave	19662 1097174	47106 2771268	100653	189838	443658	17.5 875	43.8 2188	87.5	175	438
Trichloroethene	FB	Ave	14930 673226	34377 1756419	66219	136090	336828	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Methylcyclohexane	FB	Ave	23624 1129952	53014 2892643	103134	212655	556527	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2-Dichloropropane	FB	Ave	13427 643632	31356 1682549	61513	125217	315585	0.200 10.0	0.500 25.0	1.00	2.00	5.00

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1 Analy Batch No.: 517601

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2024 22:28 Calibration End Date: 06/15/2024 00:45 Calibration ID: 62906

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,4-Dioxane	TBAd10	Ave	1372 116675	6332 320840	11418	21664	60707	10.0 500	25.0 1250	50.0	100	250
Methyl methacrylate	TBAd10	Ave	7235 345830	17148 870579	32756	62707	159150	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Dibromomethane	FB	Ave	6836 325035	15752 858709	31762	62717	164594	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Bromodichloromethane	FB	Ave	16126 780772	37902 2031557	73456	151383	383196	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Nitropropane	TBAd10	Ave	9364 486658	21479 1213307	42567	87676	221451	1.00 50.0	2.50 125	5.00	10.0	25.0
1-Bromo-2-chloroethane	FB	Ave	12444 642953	30765 1649892	61436	123337	308503	0.200 10.0	0.500 25.0	1.00	2.00	5.00
cis-1,3-Dichloropropene	FB	Ave	20580 1014736	48372 2647910	95985	196295	499072	0.200 10.0	0.500 25.0	1.00	2.00	5.00
4-Methyl-2-pentanone (MIBK)	TBAd10	Ave	83174 4387352	198148 11258197	390263	796236	2102012	2.00 100	5.00 250	10.0	20.0	50.0
Toluene	CBZd5	Ave	34903 1671454	81838 4354894	162487	334619	823735	0.200 10.0	0.500 25.0	1.00	2.00	5.00
trans-1,3-Dichloropropene	CBZd5	Ave	18198 866626	40829 2265180	80904	163679	428359	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl methacrylate	CBZd5	Ave	15599 747761	34505 1936916	69428	141167	366072	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1,2-Trichloroethane	CBZd5	Ave	10436 477370	24613 1228042	47044	93498	238660	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Tetrachloroethene	CBZd5	Ave	16915 827702	40580 2161277	81502	168026	412715	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,3-Dichloropropane	CBZd5	Ave	16725 810192	39318 2110086	78521	155118	404151	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Hexanone	TBAd10	Ave	61284 3122469	145548 7969148	291226	582286	1513323	2.00 100	5.00 250	10.0	20.0	50.0
Dibromochloromethane	CBZd5	Ave	12794 643090	29737 1678834	59418	119035	312772	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2-Dibromoethane (EDB)	CBZd5	Ave	10068 489120	23629 1266157	45837	91926	239760	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1-Chlorohexane	CBZd5	Ave	23058 944447	49378 2446377	92914	190414	469345	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.: 410-193020-1 Analy Batch No.: 517601

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2024 22:28 Calibration End Date: 06/15/2024 00:45 Calibration ID: 62906

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Chlorobenzene	CBZd5	Ave	41258 1999402	97393 5192630	194217	402700	995166	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1,1,2-Tetrachloroethane	CBZd5	Ave	14265 720956	34413 1890919	67152	138133	352771	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethylbenzene	CBZd5	Ave	68548 3278886	159513 8572940	314251	668127	1622005	0.200 10.0	0.500 25.0	1.00	2.00	5.00
m&p-Xylene	CBZd5	Ave	55330 2686365	131343 7050481	258327	547925	1328674	0.400 20.0	1.00 50.0	2.00	4.00	10.0
o-Xylene	CBZd5	Ave	26796 1334091	65549 3481281	128688	263830	661618	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Styrene	CBZd5	Ave	44151 2233184	106915 5794215	208946	445685	1102472	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Bromoform	CBZd5	Ave	8768 409184	19199 1075393	37699	75560	198454	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Isopropylbenzene	CBZd5	Ave	64296 3196885	152336 8237293	298739	638140	1578257	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1,2,2-Tetrachloroethane	DCBd4	Ave	12324 622324	29335 1618375	55271	115336	303835	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Bromobenzene	DCBd4	Ave	18878 908749	44160 2351082	86113	181597	447526	0.200 10.0	0.500 25.0	1.00	2.00	5.00
trans-1,4-Dichloro-2-butene	DCBd4	Ave	27662 1474792	66951 3923681	134027	268439	719949	2.00 100	5.00 250	10.0	20.0	50.0
1,2,3-Trichloropropane	DCBd4	Ave	3491 170673	8200 445742	15439	31832	83927	0.200 10.0	0.500 25.0	1.00	2.00	5.00
N-Propylbenzene	DCBd4	Ave	79239 3940061	188721 10077512	368283	799380	1936140	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Chlorotoluene	DCBd4	Ave	17908 878431	42086 2281014	82375	179328	431939	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,3,5-Trimethylbenzene	DCBd4	Ave	58583 2953220	140114 7768355	273517	585230	1455579	0.200 10.0	0.500 25.0	1.00	2.00	5.00
4-Chlorotoluene	DCBd4	Ave	17661 911272	44945 2393840	86680	190563	450927	0.200 10.0	0.500 25.0	1.00	2.00	5.00
tert-Butylbenzene	DCBd4	Ave	14326 705095	33982 1837768	65664	142756	344801	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Pentachloroethane	DCBd4	Ave	9728 557070	24576 1477179	50310	101387	268601	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2,4-Trimethylbenzene	DCBd4	Ave	60167 3065316	144139 8059731	281050	605865	1503820	0.200 10.0	0.500 25.0	1.00	2.00	5.00
sec-Butylbenzene	DCBd4	Ave	76301 3842980	181269 9766106	354613	758593	1872383	0.200 10.0	0.500 25.0	1.00	2.00	5.00

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1 Analy Batch No.: 517601

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2024 22:28 Calibration End Date: 06/15/2024 00:45 Calibration ID: 62906

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,3-Dichlorobenzene	DCBd4	Ave	36271 1814020	85569 4702331	167242	371643	888228	0.200 10.0	0.500 25.0	1.00	2.00	5.00
p-Isopropyltoluene	DCBd4	Ave	67216 3462326	162015 8936074	312495	690140	1701451	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,4-Dichlorobenzene	DCBd4	Ave	36972 1844120	88542 4822201	169030	384186	905642	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2,3-Trimethylbenzene	DCBd4	Ave	27383 1427855	66932 3744402	130133	279095	688298	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Benzyl chloride	DCBd4	Ave	5506 290573	13638 751893	25252	51961	138873	0.200 10.0	0.500 25.0	1.00	2.00	5.00
n-Butylbenzene	DCBd4	Ave	32557 1641310	77859 4294531	150720	335145	805142	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2-Dichlorobenzene	DCBd4	Ave	31976 1685786	78610 4384615	152787	334153	815649	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2-Dibromo-3-Chloropropane	DCBd4	Ave	1749 112816	4872 293449	8712	18306	52067	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,3,5-Trichlorobenzene	DCBd4	Ave	27250 1437909	65319 3642801	127654	297617	695408	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2,4-Trichlorobenzene	DCBd4	Ave	20784 1215124	51723 3097155	98721	245810	568421	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Hexachlorobutadiene	DCBd4	Ave	11980 597322	27875 1482860	54266	123230	280192	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Naphthalene	DCBd4	Ave	31189 2042535	81310 5180801	153318	359265	927395	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2,3-Trichlorobenzene	DCBd4	Ave	15517 970054	40540 2474425	76723	187998	446800	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Dibromofluoromethane (Surr)	FB	Ave	548025 554691	543106 541031	537659	535995	546017	10.0 10.0	10.0 10.0	10.0	10.0	10.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	112641 111406	109341 109807	111993	112037	111464	10.0 10.0	10.0 10.0	10.0	10.0	10.0
Toluene-d8 (Surr)	CBZd5	Ave	2274668 2309511	2266302 2253682	2220438	2236758	2278729	10.0 10.0	10.0 10.0	10.0	10.0	10.0
4-Bromofluorobenzene (Surr)	CBZd5	Ave	850146 867691	849659 847227	839803	835919	863973	10.0 10.0	10.0 10.0	10.0	10.0	10.0

Curve Type Legend:
Ave = Average ISTD

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1 Analy Batch No.: 517601

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2024 22:28 Calibration End Date: 06/15/2024 00:45 Calibration ID: 62906

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-517601/13	CU14X12.D
Level 2	IC 410-517601/14	CU14X13.D
Level 3	IC 410-517601/15	CU14X14.D
Level 4	IC 410-517601/16	CU14X15.D
Level 5	IC 410-517601/17	CU14X16.D
Level 6	ICIS 410-517601/18	CU14X17.D
Level 7	IC 410-517601/19	CU14X18.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Dichlorodifluoromethane	8.0 2.8	-0.5	-4.1	-1.7	-1.3	-3.1	50 30	30	30	30	30	30
Chloromethane	5.3 -0.5	5.0	-3.8	2.9	-3.4	-5.4	50 30	30	30	30	30	30
Vinyl chloride	3.7 2.0	2.1	-3.9	3.1	-2.9	-4.1	50 30	30	30	30	30	30
1,3-Butadiene	9.1 -1.9	-1.0	0.6	0.6	-3.2	-4.2	50 30	30	30	30	30	30
Bromomethane	12.1 -0.3	1.9	-4.7	1.2	-5.2	-5.0	50 30	30	30	30	30	30
Chloroethane	7.1 0.9	0.3	-3.5	1.7	-2.4	-4.2	50 30	30	30	30	30	30
Dichlorofluoromethane	4.9 3.1	-3.3	-3.7	3.0	-1.9	-2.2	50 30	30	30	30	30	30
Trichlorofluoromethane	7.8 1.1	-1.6	-3.3	1.9	-2.6	-3.3	50 30	30	30	30	30	30
Ethyl ether	2.8 5.1	-1.7	-1.1	-1.1	-1.8	-2.2	50 30	30	30	30	30	30
Freon 123a	9.9 2.2	1.9	-5.9	-0.7	-3.7	-3.8	50 30	30	30	30	30	30
Acrolein	-0.5 5.6	-9.8	0.3	4.0	-3.1	3.4	50 30	30	30	30	30	30
1,1-Dichloroethene	12.1 0.1	3.1	-4.3	0.0	-5.3	-5.8	50 30	30	30	30	30	30
Acetone	22.2 -5.9	2.0	-4.3	-3.0	-6.2	-4.7	50 30	30	30	30	30	30
Freon 113	3.3 2.7	-1.1	-4.5	-0.2	0.7	-0.8	50 30	30	30	30	30	30
Methyl iodide	4.3 4.1	-2.3	-3.4	1.2	-1.6	-2.2	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1 Analy Batch No.: 517601

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2024 22:28 Calibration End Date: 06/15/2024 00:45 Calibration ID: 62906

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Ethyl bromide	-0.4 5.8	0.1	-0.7	-1.0	-1.7	-2.0	50 30	30	30	30	30	30
Carbon disulfide	3.2 6.2	-3.6	-4.5	2.0	-1.3	-1.9	50 30	30	30	30	30	30
Methyl acetate	12.6 -3.2	1.8	-6.4	2.0	-3.5	-3.4	50 30	30	30	30	30	30
Allyl chloride	1.1 5.6	-2.5	-2.1	1.3	-1.6	-1.7	50 30	30	30	30	30	30
Methylene Chloride	20.8 -1.3	-0.5	-1.4	-4.8	-6.2	-6.5	50 30	30	30	30	30	30
t-Butyl alcohol	17.1 -8.1	5.1	1.8	6.6	-11.8	-10.7	50 30	30	30	30	30	30
Acrylonitrile	26.3 -7.2	-3.9	0.1	5.0	-12.8	-7.5	50 30	30	30	30	30	30
Methyl tert-butyl ether	4.0 4.5	-1.1	-2.1	-2.0	-3.1	-0.2	50 30	30	30	30	30	30
trans-1,2-Dichloroethene	6.0 2.4	-2.1	-1.9	1.3	-2.4	-3.3	50 30	30	30	30	30	30
n-Hexane	13.6 1.3	-1.4	-6.3	-1.5	-2.7	-3.1	50 30	30	30	30	30	30
1,1-Dichloroethane	3.0 4.1	-2.2	-2.5	0.4	-1.0	-1.9	50 30	30	30	30	30	30
di-Isopropyl ether	4.2 4.5	-1.9	-2.2	-1.2	-1.8	-1.6	50 30	30	30	30	30	30
2-Chloro-1,3-butadiene	8.3 3.3	-3.2	-4.0	0.5	-1.8	-3.1	50 30	30	30	30	30	30
Ethyl t-butyl ether	7.8 4.2	-1.7	-4.2	-2.7	-2.1	-1.4	50 30	30	30	30	30	30
2-Butanone (MEK)	5.4 -0.3	-8.1	2.0	6.2	-5.4	0.2	50 30	30	30	30	30	30
cis-1,2-Dichloroethene	6.6 3.5	-3.4	-2.0	0.5	-2.4	-2.8	50 30	30	30	30	30	30
2,2-Dichloropropane	10.7 -0.9	3.4	-3.8	1.3	-4.6	-6.1	50 30	30	30	30	30	30
Propionitrile	-1.1 9.5	-8.3	-1.7	8.1	-11.9	5.4	50 30	30	30	30	30	30
Methacrylonitrile	7.9 -0.1	-9.0	2.5	5.3	-3.9	-2.8	50 30	30	30	30	30	30
Tetrahydrofuran	18.4 -4.7	-2.0	1.8	1.9	-8.9	-6.5	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1 Analy Batch No.: 517601

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2024 22:28 Calibration End Date: 06/15/2024 00:45 Calibration ID: 62906

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Bromochloromethane	4.5 3.6	-3.0	-1.9	-1.0	-1.1	-1.1	50 30	30	30	30	30	30
Chloroform	18.4 -2.0	1.7	-2.2	-2.9	-5.9	-7.2	50 30	30	30	30	30	30
1,1,1-Trichloroethane	7.2 2.7	-1.1	-4.1	0.6	-1.9	-3.3	50 30	30	30	30	30	30
Cyclohexane	6.7 4.0	-3.3	-4.8	-1.9	-0.3	-0.3	50 30	30	30	30	30	30
Carbon tetrachloride	3.0 5.8	-3.7	-2.9	0.1	-0.9	-1.4	50 30	30	30	30	30	30
1,1-Dichloropropene	5.7 4.6	-2.3	-4.6	1.2	-1.6	-2.9	50 30	30	30	30	30	30
Isobutyl alcohol	2.0 -3.4	-5.3	4.4	6.5	-3.2	-1.0	50 30	30	30	30	30	30
Benzene	4.3 3.4	-0.4	-2.2	0.5	-2.8	-2.7	50 30	30	30	30	30	30
1,2-Dichloroethane	3.7 1.6	0.8	0.3	-2.5	-1.6	-2.4	50 30	30	30	30	30	30
t-Amyl methyl ether	2.7 5.5	-3.1	-2.4	-2.0	-1.4	0.7	50 30	30	30	30	30	30
n-Heptane	6.3 2.8	-4.2	-4.9	-0.5	0.7	-0.2	50 30	30	30	30	30	30
n-Butanol	1.5 5.6	-10.4	7.5	3.6	-12.0	4.2	50 30	30	30	30	30	30
Trichloroethene	7.6 2.5	-0.4	-3.1	-0.1	-2.5	-3.9	50 30	30	30	30	30	30
Methylcyclohexane	6.2 5.3	-4.2	-5.8	-2.6	0.5	0.6	50 30	30	30	30	30	30
1,2-Dichloropropane	4.1 5.6	-2.3	-3.2	-1.1	-1.8	-1.2	50 30	30	30	30	30	30
1,4-Dioxane	-36.8 9.1	7.4	8.7	5.4	7.4	-1.2	50 30	30	30	30	30	30
Methyl methacrylate	10.4 -1.9	-3.5	3.4	1.1	-6.7	-2.9	50 30	30	30	30	30	30
Dibromomethane	4.0 5.8	-3.7	-1.8	-2.8	0.6	-2.1	50 30	30	30	30	30	30
Bromodichloromethane	3.6 5.6	-2.2	-4.2	-0.9	-1.2	-0.7	50 30	30	30	30	30	30
2-Nitropropane	6.1 1.5	-10.3	-0.2	5.0	-3.6	1.5	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1 Analy Batch No.: 517601

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2024 22:28 Calibration End Date: 06/15/2024 00:45 Calibration ID: 62906

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
1-Bromo-2-chloroethane	-1.4 5.8	-2.0	-1.1	-0.4	-1.8	0.9	50 30	30	30	30	30	30
cis-1,3-Dichloropropene	2.1 6.4	-3.6	-3.3	-0.8	-0.5	-0.3	50 30	30	30	30	30	30
4-Methyl-2-pentanone (MIBK)	2.9 2.9	-9.6	-0.1	4.1	-0.1	-0.1	50 30	30	30	30	30	30
Toluene	3.1 5.4	-3.4	-2.2	1.2	-2.3	-1.8	50 30	30	30	30	30	30
trans-1,3-Dichloropropene	5.4 7.6	-5.5	-4.4	-2.9	-0.3	0.0	50 30	30	30	30	30	30
Ethyl methacrylate	5.5 7.4	-6.7	-4.2	-2.2	-0.5	0.7	50 30	30	30	30	30	30
1,1,2-Trichloroethane	6.5 2.7	0.4	-2.1	-2.3	-2.1	-3.0	50 30	30	30	30	30	30
Tetrachloroethene	0.6 5.3	-3.6	-1.2	2.3	-1.4	-2.0	50 30	30	30	30	30	30
1,3-Dichloropropane	2.7 6.2	-3.5	-1.7	-2.4	-0.3	-1.0	50 30	30	30	30	30	30
2-Hexanone	4.3 0.2	-8.7	2.6	4.8	-1.0	-2.2	50 30	30	30	30	30	30
Dibromochloromethane	1.6 9.3	-5.6	-3.7	-3.2	-0.2	1.7	50 30	30	30	30	30	30
1,2-Dibromoethane (EDB)	3.6 6.8	-2.8	-3.8	-3.1	-0.9	0.2	50 30	30	30	30	30	30
1-Chlorohexane	16.2 1.0	-0.6	-4.6	-1.8	-5.0	-5.3	50 30	30	30	30	30	30
Chlorobenzene	1.9 5.1	-3.9	-2.2	1.9	-1.2	-1.7	50 30	30	30	30	30	30
1,1,1,2-Tetrachloroethane	0.0 8.6	-3.6	-4.0	-0.9	-0.7	0.6	50 30	30	30	30	30	30
Ethylbenzene	3.1 5.7	-4.1	-3.6	2.9	-2.0	-1.9	50 30	30	30	30	30	30
m&p-Xylene	1.6 6.1	-3.6	-3.3	3.0	-2.0	-1.8	50 30	30	30	30	30	30
o-Xylene	-0.2 6.3	-2.4	-2.3	0.6	-1.0	-1.1	50 30	30	30	30	30	30
Styrene	-0.7 6.8	-4.0	-4.2	2.6	-0.4	-0.1	50 30	30	30	30	30	30
Bromoform	8.1 8.6	-5.5	-5.3	-4.6	-1.7	0.4	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1 Analy Batch No.: 517601

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2024 22:28 Calibration End Date: 06/15/2024 00:45 Calibration ID: 62906

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Isopropylbenzene	0.9 6.0	-4.5	-4.4	2.6	-0.5	-0.1	50 30	30	30	30	30	30
1,1,2,2-Tetrachloroethane	4.0 6.2	-2.1	-6.6	-1.5	-0.5	0.6	50 30	30	30	30	30	30
Bromobenzene	5.7 2.4	-2.2	-3.5	2.9	-2.8	-2.5	50 30	30	30	30	30	30
trans-1,4-Dichloro-2-butene	-0.6 9.6	-4.8	-3.6	-2.4	0.4	1.5	50 30	30	30	30	30	30
1,2,3-Trichloropropane	6.0 5.3	-1.4	-6.1	-2.1	-1.1	-0.7	50 30	30	30	30	30	30
N-Propylbenzene	3.2 2.0	-2.8	-4.0	5.4	-2.2	-1.7	50 30	30	30	30	30	30
2-Chlorotoluene	4.0 3.0	-3.3	-4.2	5.4	-2.7	-2.3	50 30	30	30	30	30	30
1,3,5-Trimethylbenzene	2.1 5.3	-3.3	-4.5	3.3	-1.5	-1.4	50 30	30	30	30	30	30
4-Chlorotoluene	-1.6 3.7	-0.9	-3.3	7.5	-2.5	-2.7	50 30	30	30	30	30	30
tert-Butylbenzene	3.8 3.6	-2.5	-4.7	4.8	-3.0	-2.1	50 30	30	30	30	30	30
Pentachloroethane	-5.9 11.1	-5.9	-2.6	-0.7	0.8	3.2	50 30	30	30	30	30	30
1,2,4-Trimethylbenzene	1.6 5.8	-3.7	-5.0	3.6	-1.5	-0.8	50 30	30	30	30	30	30
sec-Butylbenzene	3.1 2.6	-3.1	-4.1	3.8	-1.8	-0.5	50 30	30	30	30	30	30
1,3-Dichlorobenzene	2.8 3.6	-4.1	-5.1	6.6	-2.3	-1.5	50 30	30	30	30	30	30
p-Isopropyltoluene	1.0 4.5	-3.6	-5.9	5.0	-0.7	-0.3	50 30	30	30	30	30	30
1,4-Dichlorobenzene	2.4 3.9	-3.0	-6.2	7.7	-2.7	-2.1	50 30	30	30	30	30	30
1,2,3-Trimethylbenzene	0.2 6.5	-3.1	-4.7	3.4	-2.3	0.1	50 30	30	30	30	30	30
Benzyl chloride	1.4 7.6	-0.7	-6.9	-3.2	-0.8	2.5	50 30	30	30	30	30	30
n-Butylbenzene	1.9 4.6	-3.5	-5.5	6.2	-2.2	-1.5	50 30	30	30	30	30	30
1,2-Dichlorobenzene	-0.8 5.8	-3.5	-5.0	5.0	-1.8	0.2	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1 Analy Batch No.: 517601

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2024 22:28 Calibration End Date: 06/15/2024 00:45 Calibration ID: 62906

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
1,2-Dibromo-3-Chloropropane	-10.9 16.3	-1.8	-11.1	-5.6	2.9	10.1	50 30	30	30	30	30	30
1,3,5-Trichlorobenzene	-0.5 3.5	-5.6	-6.6	10.1	-1.4	0.6	50 30	30	30	30	30	30
1,2,4-Trichlorobenzene	-6.3 8.5	-7.8	-10.9	12.2	-0.6	4.9	50 30	30	30	30	30	30
Hexachlorobutadiene	4.6 0.7	-3.7	-5.2	8.9	-5.1	-0.1	50 30	30	30	30	30	30
Naphthalene	-11.2 14.7	-8.4	-12.6	3.6	2.5	11.4	50 30	30	30	30	30	30
1,2,3-Trichlorobenzene	-10.3 11.2	-7.3	-11.2	10.0	0.2	7.4	50 30	30	30	30	30	30
Dibromofluoromethane (Surr)	0.1 0.0	-0.3	-0.2	-0.2	0.2	0.4	50 30	30	30	30	30	30
1,2-Dichloroethane-d4 (Surr)	0.6 -0.8	-1.9	1.6	2.0	0.0	-1.5	50 30	30	30	30	30	30
Toluene-d8 (Surr)	-0.4 1.1	-0.9	-0.9	0.3	0.2	0.6	50 30	30	30	30	30	30
4-Bromofluorobenzene (Surr)	-1.0 1.1	-1.2	-0.3	-0.3	1.1	0.6	50 30	30	30	30	30	30

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X12.D
Lims ID: IC std1 0.2
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 14-Jun-2024 22:28:30 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0116724-013
Misc. Info.: IC STD.2 LG
Operator ID: MEC29284 Instrument ID: 10193
Sublist: chrom-MSV_10193_25mL*sub1

Method: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 17-Jun-2024 19:28:19 Calib Date: 15-Jun-2024 00:45:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1606

First Level Reviewer: UKEK Date: 17-Jun-2024 19:28:19

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.799	1.799	0.000	32	16203	0.2000	0.2159	
5 Chloromethane	50	1.976	1.982	-0.006	99	17848	0.2000	0.2105	M
6 Vinyl chloride	62	2.073	2.085	-0.012	97	17298	0.2000	0.2073	
7 Butadiene	39	2.079	2.085	-0.006	83	19462	0.2000	0.2182	M
9 Bromomethane	94	2.390	2.396	-0.006	90	13155	0.2000	0.2241	
10 Chloroethane	64	2.439	2.445	-0.006	97	10238	0.2000	0.2142	
11 Dichlorofluoromethane	67	2.689	2.689	0.000	62	25983	0.2000	0.2099	M
13 Pentane	43	2.726	2.738	-0.012	94	20007	0.2000	0.2414	
12 Trichlorofluoromethane	101	2.744	2.744	0.000	91	20923	0.2000	0.2155	M
14 Ethyl ether	59	2.915	2.921	-0.006	91	9010	0.2000	0.2055	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.012	3.018	-0.006	86	15704	0.2000	0.2198	M
17 Acrolein	56	3.067	3.073	-0.006	99	66727	10.0	9.97	
18 1,1-Dichloroethene	96	3.195	3.195	0.000	96	11595	0.2000	0.2242	
20 Acetone	43	3.219	3.219	0.000	99	21054	2.00	2.44	M
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.238	3.244	-0.006	89	10990	0.2000	0.2066	
24 Isopropyl alcohol	45	3.384	3.366	0.018	37	7374	4.00	4.16	
22 Iodomethane	142	3.360	3.372	-0.012	96	22454	0.2000	0.2086	
23 Ethyl bromide	108	3.390	3.396	-0.006	97	9390	0.2003	0.1995	
25 Carbon disulfide	76	3.451	3.463	-0.012	97	34643	0.2000	0.2064	M
26 Methyl acetate	43	3.591	3.585	0.006	39	5569	0.2000	0.2252	
29 3-Chloro-1-propene	41	3.610	3.616	-0.006	92	17362	0.2000	0.2021	
30 Methylene Chloride	84	3.774	3.786	-0.012	62	14882	0.2000	0.2416	M
* 31 t-Butyl alcohol-d10 (IS)	65	3.780	3.798	-0.018	96	173659	50.0	50.0	
32 2-Methyl-2-propanol	59	3.902	3.908	-0.006	96	15731	4.00	4.69	
33 Acrylonitrile	53	4.103	4.091	0.012	96	7944	0.5000	0.6317	
35 trans-1,2-Dichloroethene	96	4.146	4.146	0.000	98	13081	0.2000	0.2120	
34 Methyl tert-butyl ether	73	4.146	4.146	0.000	92	32837	0.2000	0.2081	
36 Hexane	57	4.549	4.561	-0.013	93	18213	0.2000	0.2273	
37 1,1-Dichloroethane	63	4.798	4.804	-0.006	96	21831	0.2000	0.2060	
39 Isopropyl ether	45	4.872	4.871	0.001	95	39356	0.2000	0.2083	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 2-Chloro-1,3-butadiene	53	4.914	4.914	0.000	89	19039	0.2000	0.2166	
41 Tert-butyl ethyl ether	59	5.396	5.414	-0.018	97	39920	0.2000	0.2157	M
42 2-Butanone (MEK)	43	5.615	5.615	0.000	100	33312	2.00	2.11	
43 cis-1,2-Dichloroethene	96	5.646	5.652	-0.006	81	14782	0.2000	0.2133	
44 2,2-Dichloropropane	77	5.670	5.670	0.000	78	19457	0.2000	0.2215	
45 Propionitrile	54	5.719	5.719	0.000	98	16873	4.00	3.96	
47 Methacrylonitrile	67	5.932	5.926	0.006	87	33712	2.00	2.16	
49 Tetrahydrofuran	71	5.993	5.981	0.012	76	5844	1.00	1.18	
48 Chlorobromomethane	128	5.993	5.987	0.006	74	6692	0.2000	0.2091	M
50 Chloroform	83	6.146	6.146	0.000	92	26580	0.2000	0.2367	
S 52 1,2-Dichloroethene, Total	100				0			0.4253	
$ 54 Dibromofluoromethane (Surr)	113	6.365	6.365	0.000	94	548025	10.0	10.0	
53 1,1,1-Trichloroethane	97	6.359	6.371	-0.012	39	20109	0.2000	0.2144	
55 Cyclohexane	56	6.457	6.463	-0.006	89	21324	0.2000	0.2134	
57 1,1-Dichloropropene	75	6.591	6.585	0.007	95	17728	0.2000	0.2114	
56 Carbon tetrachloride	117	6.579	6.585	-0.005	89	17495	0.2000	0.2059	
58 Isobutyl alcohol	41	6.780	6.780	0.000	93	12289	10.0	10.2	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.810	6.822	-0.012	99	112641	10.0	10.1	M
60 Benzene	78	6.841	6.853	-0.012	95	52557	0.2000	0.2085	
61 1,2-Dichloroethane	62	6.920	6.926	-0.006	96	13336	0.2000	0.2074	
64 Tert-amyl methyl ether	73	7.054	7.060	-0.006	99	35339	0.2000	0.2054	
* 65 Fluorobenzene (IS)	96	7.261	7.267	-0.006	99	2259919	10.0	10.0	
66 n-Heptane	43	7.280	7.286	-0.006	36	17670	0.2000	0.2126	
67 n-Butanol	56	7.682	7.682	0.000	90	19662	17.5	17.8	
68 Trichloroethene	95	7.755	7.755	0.000	97	14930	0.2000	0.2152	
69 Methylcyclohexane	83	8.054	8.066	-0.012	84	23624	0.2000	0.2124	
70 1,2-Dichloropropane	63	8.097	8.096	0.001	96	13427	0.2000	0.2081	
71 2-ethoxy-2-methyl butane	87	8.115	8.127	-0.012	92	21302	0.2000	0.2031	
74 1,4-Dioxane	88	8.182	8.194	-0.012	34	1372	10.0	6.32	M
73 Methyl methacrylate	69	8.200	8.200	0.000	91	7235	0.2000	0.2208	
72 Dibromomethane	93	8.206	8.206	0.000	94	6836	0.2000	0.2080	
76 Dichlorobromomethane	83	8.456	8.456	0.000	99	16126	0.2000	0.2071	
77 2-Nitropropane	41	8.743	8.743	0.000	97	9364	1.00	1.06	
78 1-Bromo-2-chloroethane	63	8.846	8.846	0.000	97	12444	0.2000	0.1972	
80 cis-1,3-Dichloropropene	75	9.029	9.029	0.000	96	20580	0.2000	0.2042	
82 4-Methyl-2-pentanone (MIBK)	43	9.231	9.230	0.001	95	83174	2.00	2.06	
$ 83 Toluene-d8 (Surr)	98	9.359	9.358	0.001	93	2274668	10.0	9.96	
84 Toluene	92	9.438	9.444	-0.006	98	34903	0.2000	0.2061	
85 trans-1,3-Dichloropropene	75	9.730	9.730	0.000	91	18198	0.2000	0.2109	
86 Ethyl methacrylate	69	9.804	9.803	0.001	89	15599	0.2000	0.2110	
87 1,1,2-Trichloroethane	97	9.938	9.944	-0.006	91	10436	0.2000	0.2130	
88 Tetrachloroethene	166	10.023	10.023	0.000	97	16915	0.2000	0.2011	
S 107 1,3-Dichloropropene, Total	100				0			0.4151	
89 1,3-Dichloropropane	76	10.108	10.114	-0.006	89	16725	0.2000	0.2054	
106 2-Hexanone	43	10.182	10.181	0.001	96	61284	2.00	2.09	
108 Chlorodibromomethane	129	10.334	10.334	0.000	89	12794	0.2000	0.2033	
110 Ethylene Dibromide	107	10.444	10.444	0.000	100	10068	0.2000	0.2072	
* 111 Chlorobenzene-d5 (IS)	117	10.901	10.901	0.000	84	1782883	10.0	10.0	M
112 1-Chlorohexane	91	10.919	10.919	0.000	77	23058	0.2000	0.2323	
113 Chlorobenzene	112	10.925	10.925	0.000	96	41258	0.2000	0.2038	
114 1,1,1,2-Tetrachloroethane	131	11.017	11.017	0.000	96	14265	0.2000	0.1999	
115 Ethylbenzene	91	11.023	11.023	0.000	98	68548	0.2000	0.2061	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
116 m-Xylene & p-Xylene	106	11.145	11.145	0.000	97	55330	0.4000	0.4063	
S 117 Xylenes, Total	106				0			0.6059	
118 o-Xylene	106	11.486	11.486	0.000	95	26796	0.2000	0.1996	
119 Styrene	104	11.498	11.498	0.000	95	44151	0.2000	0.1985	
120 Bromoform	173	11.657	11.657	0.000	95	8768	0.2000	0.2161	
121 Isopropylbenzene	105	11.797	11.797	0.000	95	64296	0.2000	0.2018	
$ 124 4-Bromofluorobenzene (Surr)	95	11.937	11.943	-0.006	94	850146	10.0	9.90	
126 1,1,2,2-Tetrachloroethane	83	12.053	12.053	0.000	75	12324	0.2000	0.2079	
125 Bromobenzene	156	12.059	12.059	0.000	87	18878	0.2000	0.2113	
127 trans-1,4-Dichloro-2-butene	53	12.084	12.083	0.001	92	27662	2.00	1.99	
128 1,2,3-Trichloropropane	110	12.096	12.096	0.000	78	3491	0.2000	0.2121	
129 N-Propylbenzene	91	12.132	12.138	-0.006	98	79239	0.2000	0.2063	
130 2-Chlorotoluene	126	12.206	12.211	-0.005	98	17908	0.2000	0.2080	
131 1,3,5-Trimethylbenzene	105	12.279	12.279	0.000	94	58583	0.2000	0.2042	
132 4-Chlorotoluene	126	12.303	12.303	0.000	97	17661	0.2000	0.1967	
133 tert-Butylbenzene	134	12.523	12.522	0.001	92	14326	0.2000	0.2077	
134 Pentachloroethane	167	12.553	12.553	0.000	79	9728	0.2000	0.1882	
135 1,2,4-Trimethylbenzene	105	12.565	12.565	0.000	96	60167	0.2000	0.2032	
136 sec-Butylbenzene	105	12.693	12.693	0.000	93	76301	0.2000	0.2062	
137 1,3-Dichlorobenzene	146	12.785	12.785	0.000	98	36271	0.2000	0.2055	
138 4-Isopropyltoluene	119	12.803	12.803	0.000	97	67216	0.2000	0.2021	
* 139 1,4-Dichlorobenzene-d4	152	12.846	12.845	0.001	93	1015421	10.0	10.0	M
140 1,4-Dichlorobenzene	146	12.864	12.864	0.000	96	36972	0.2000	0.2048	
141 1,2,3-Trimethylbenzene	120	12.876	12.876	0.000	97	27383	0.2000	0.2003	
142 Benzyl chloride	126	12.943	12.943	0.000	98	5506	0.2000	0.2027	
145 p-Diethylbenzene	119	13.077	13.083	-0.006	94	41707	0.2000	0.2012	
143 n-Butylbenzene	92	13.102	13.102	0.000	97	32557	0.2000	0.2039	
144 1,2-Dichlorobenzene	146	13.126	13.126	0.000	98	31976	0.2000	0.1985	
148 1,2-Dibromo-3-Chloropropane	155	13.681	13.681	0.000	86	1749	0.2000	0.1782	
149 1,3,5-Trichlorobenzene	180	13.809	13.803	0.006	97	27250	0.2000	0.1990	
150 1,2,4-Trichlorobenzene	180	14.236	14.235	0.001	94	20784	0.2000	0.1873	
151 Hexachlorobutadiene	225	14.321	14.321	0.000	96	11980	0.2000	0.2091	
152 Naphthalene	128	14.419	14.418	0.001	96	31189	0.2000	0.1776	
153 1,2,3-Trichlorobenzene	180	14.565	14.565	0.000	95	15517	0.2000	0.1793	
154 2-Methylnaphthalene	142	15.174	15.174	0.000	92	11416	0.2000	0.1468	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_#1_826_00133	Amount Added:	2.00	Units: uL	
MSV_LL_#2_826_00140	Amount Added:	2.00	Units: uL	
MSV_LL_GAS826_00214	Amount Added:	2.00	Units: uL	
MSV_HP25_ISSS_00090	Amount Added:	1.00	Units: uL	Run Reagent

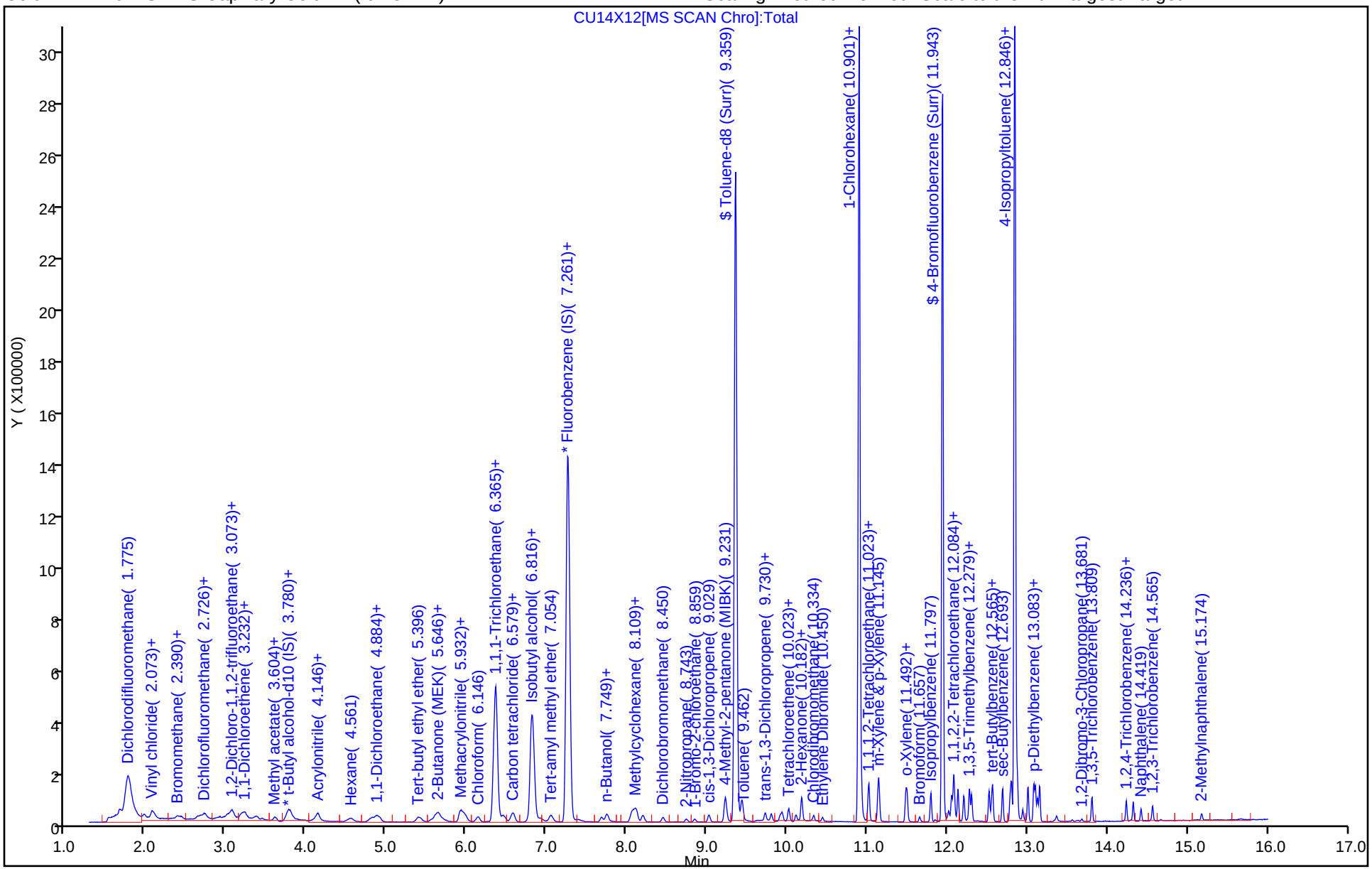
Report Date: 17-Jun-2024 19:28:19 Chrom Revision: 2.3 03-Jun-2024 20:58:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X12.D

Injection Date:	14-Jun-2024 22:28:30	Instrument ID:	10193	Operator ID:	MEC29284
Lims ID:	IC std1 0.2			Worklist Smp#:	13
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

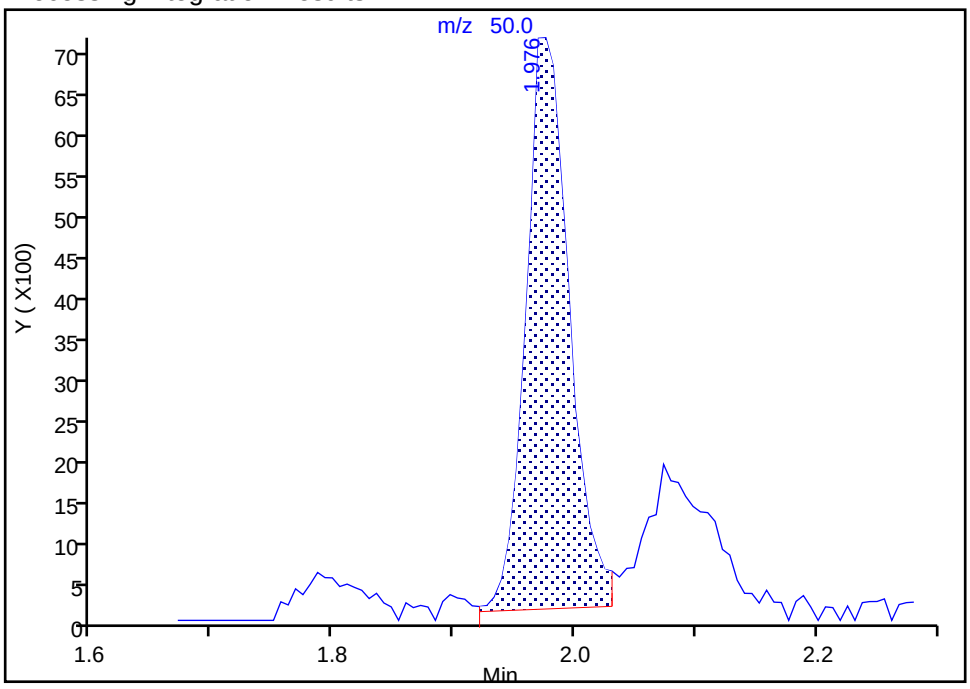
Data File:	\\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X12.D				
Injection Date:	14-Jun-2024 22:28:30	Instrument ID:	10193		
Lims ID:	IC std1 0.2				
Client ID:					
Operator ID:	MEC29284	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

5 Chloromethane, CAS: 74-87-3

Signal: 1

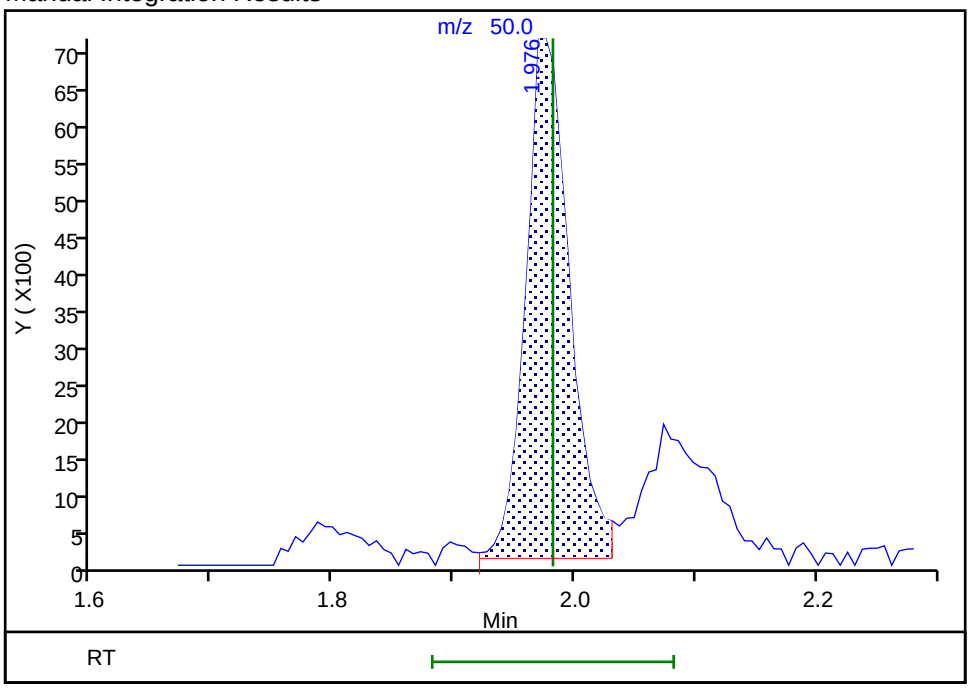
Processing Integration Results

RT: 1.98
Area: 17542
Amount: 0.207429
Amount Units: ug/l



Manual Integration Results

RT: 1.98
Area: 17848
Amount: 0.210503
Amount Units: ug/l



Reviewer: UCB5, 16-Jun-2024 13:17:52 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

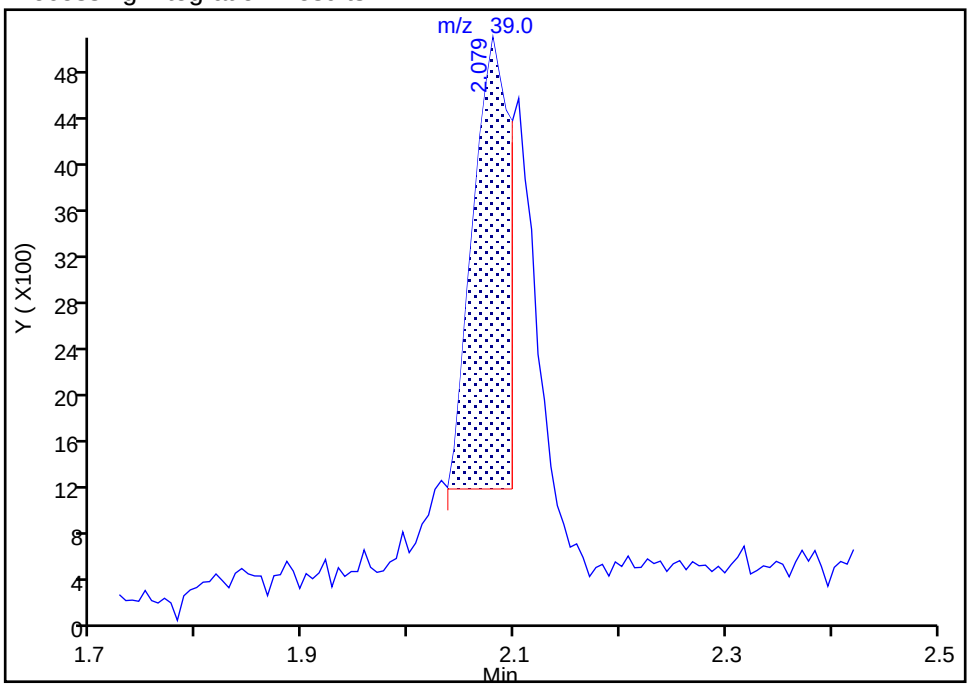
Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X12.D
Injection Date: 14-Jun-2024 22:28:30 Instrument ID: 10193
Lims ID: IC std1 0.2
Client ID:
Operator ID: MEC29284 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

7 Butadiene, CAS: 106-99-0

Signal: 1

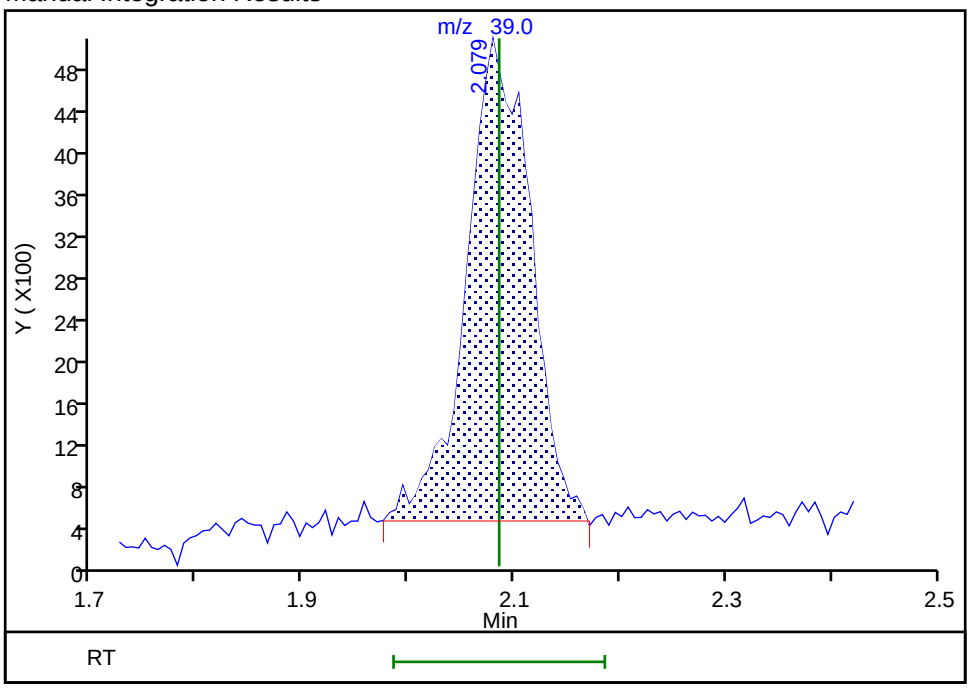
Processing Integration Results

RT: 2.08
Area: 9455
Amount: 0.134196
Amount Units: ug/l



Manual Integration Results

RT: 2.08
Area: 19462
Amount: 0.218243
Amount Units: ug/l



Reviewer: UCB5, 16-Jun-2024 13:18:14 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

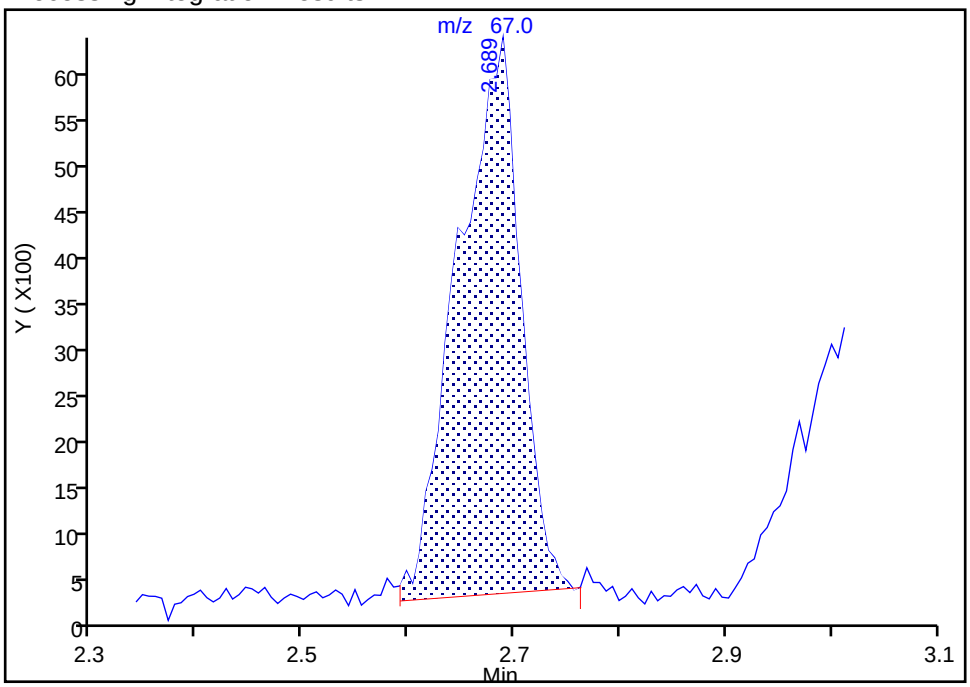
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Injection Date:	14-Jun-2024 22:28:30	Instrument ID:	10193		
Lims ID:	IC std1 0.2				
Client ID:					
Operator ID:	MEC29284	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

11 Dichlorofluoromethane, CAS: 75-43-4

Signal: 1

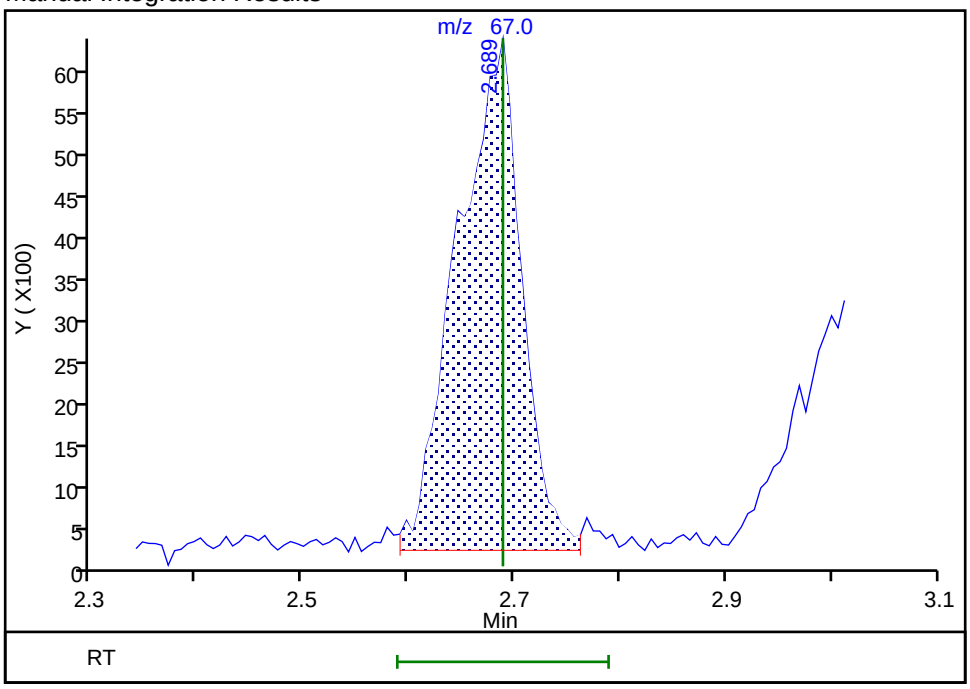
Processing Integration Results

RT: 2.69
Area: 24710
Amount: 0.201080
Amount Units: ug/l



Manual Integration Results

RT: 2.69
Area: 25983
Amount: 0.209887
Amount Units: ug/l



Reviewer: UCB5, 16-Jun-2024 13:18:26 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

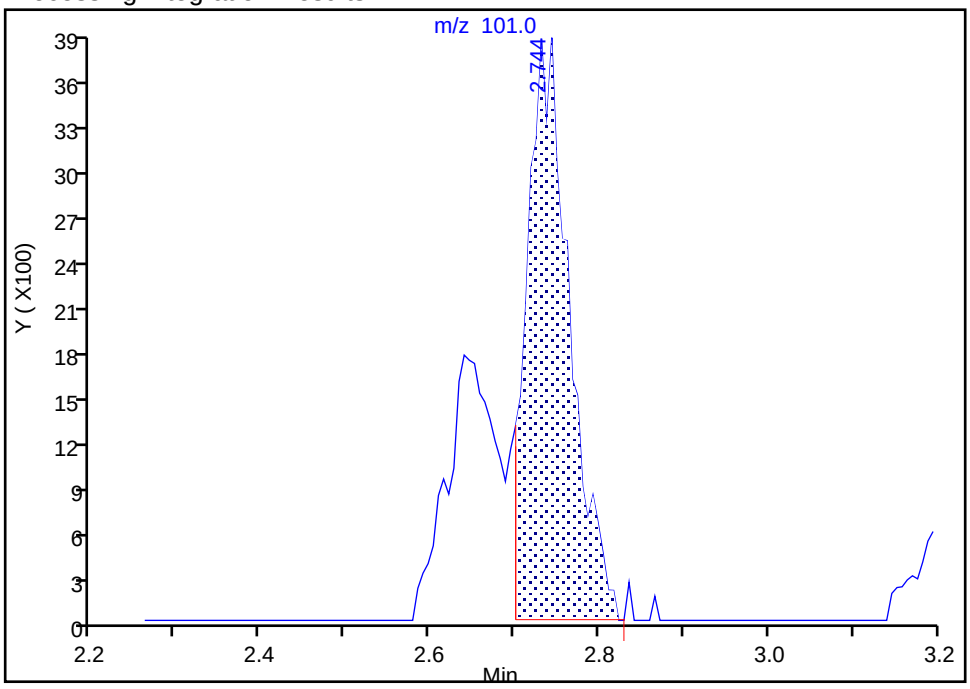
Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X12.D
Injection Date: 14-Jun-2024 22:28:30 Instrument ID: 10193
Lims ID: IC std1 0.2
Client ID:
Operator ID: MEC29284 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

12 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

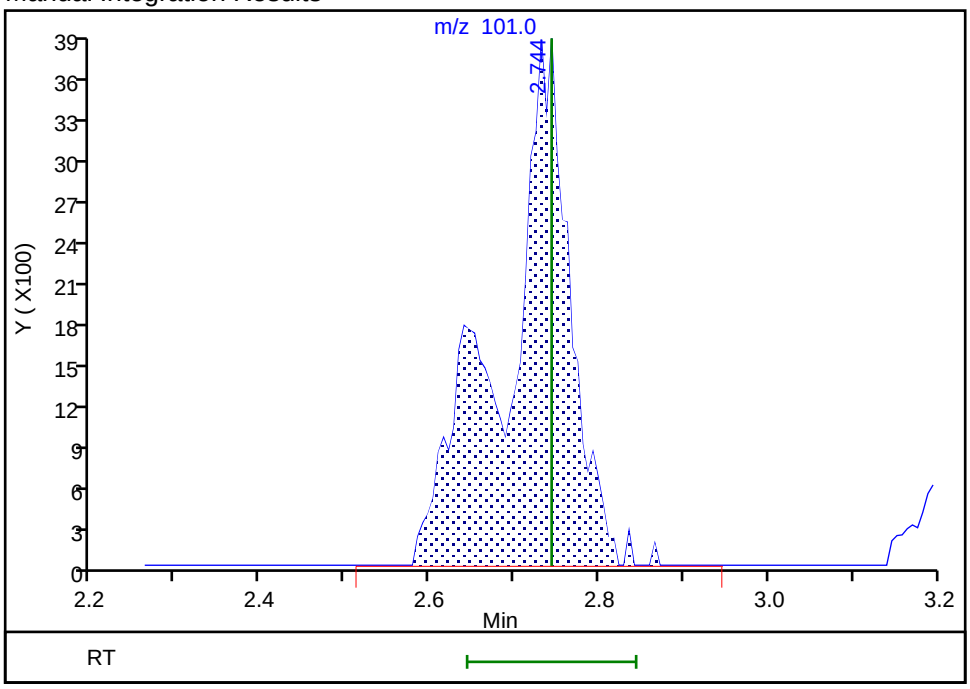
Processing Integration Results

RT: 2.74
Area: 13407
Amount: 0.162707
Amount Units: ug/l



Manual Integration Results

RT: 2.74
Area: 20923
Amount: 0.215520
Amount Units: ug/l



Reviewer: UCB5, 16-Jun-2024 13:18:35 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

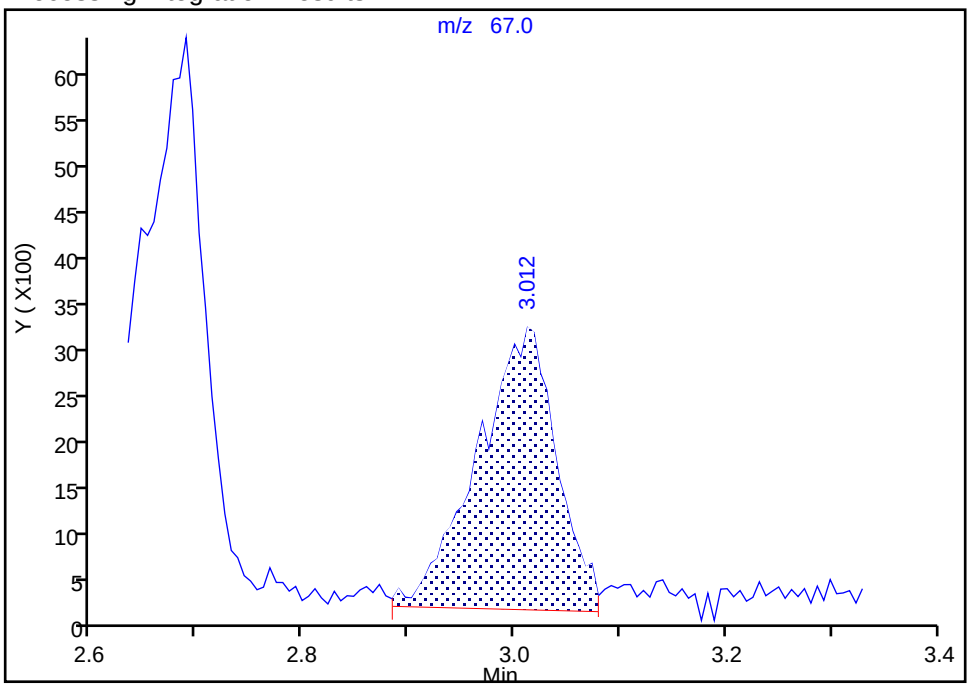
Data File:	\\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X12.D				
Injection Date:	14-Jun-2024 22:28:30	Instrument ID:	10193		
Lims ID:	IC std1 0.2				
Client ID:					
Operator ID:	MEC29284	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

16 1,2-Dichloro-1,1,2-trifluoroetha, CAS: 354-23-4

Signal: 1

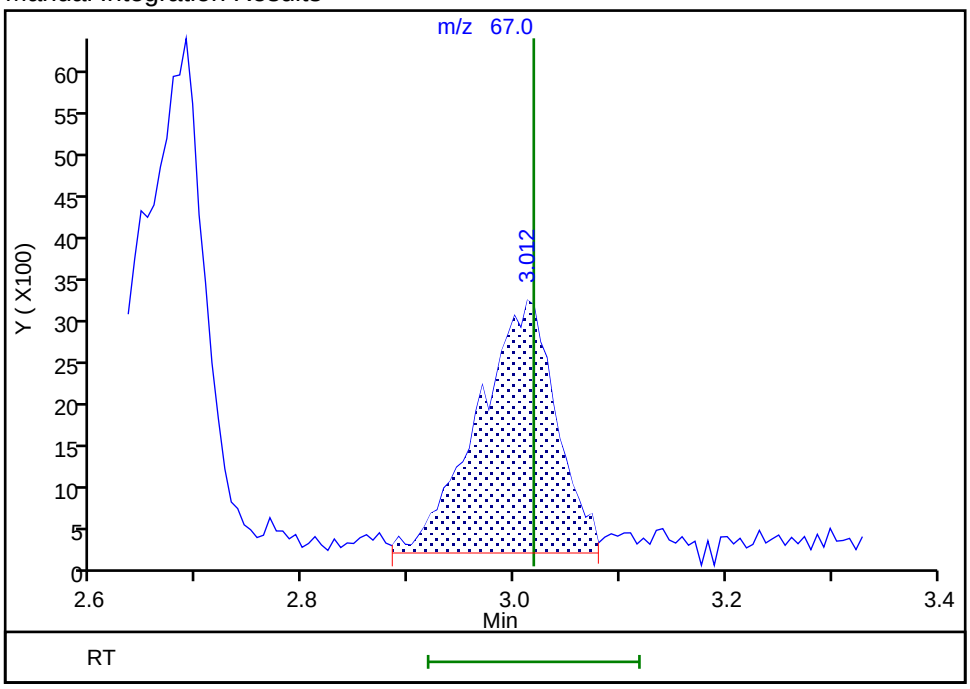
Processing Integration Results

RT: 3.01
Area: 15830
Amount: 0.221315
Amount Units: ug/l



Manual Integration Results

RT: 3.01
Area: 15704
Amount: 0.219830
Amount Units: ug/l



Reviewer: UCB5, 16-Jun-2024 13:18:51 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

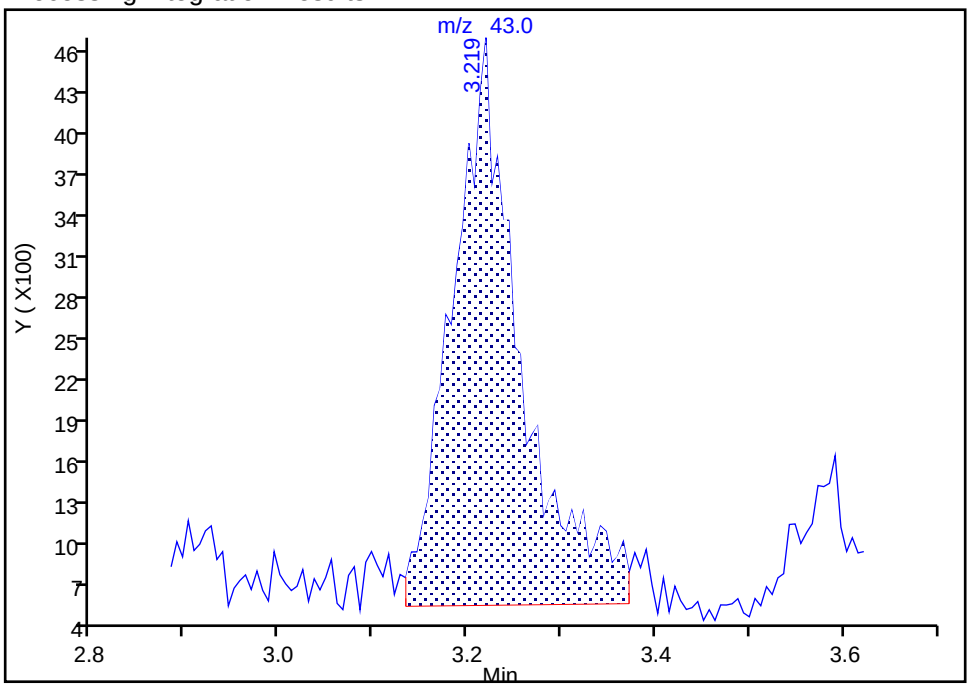
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Injection Date: 14-Jun-2024 22:28:30 Instrument ID: 10193
Lims ID: IC std1 0.2
Client ID:
Operator ID: MEC29284 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

20 Acetone, CAS: 67-64-1

Signal: 1

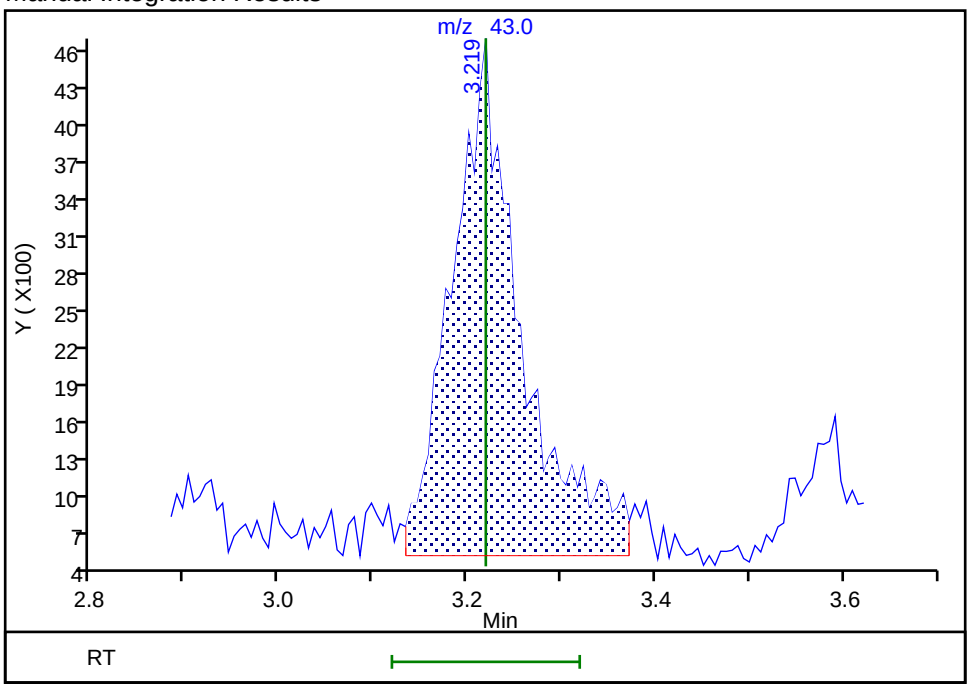
Processing Integration Results

RT: 3.22
Area: 20557
Amount: 2.353725
Amount Units: ug/l



Manual Integration Results

RT: 3.22
Area: 21054
Amount: 2.444632
Amount Units: ug/l



Reviewer: UCB5, 16-Jun-2024 13:19:07 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

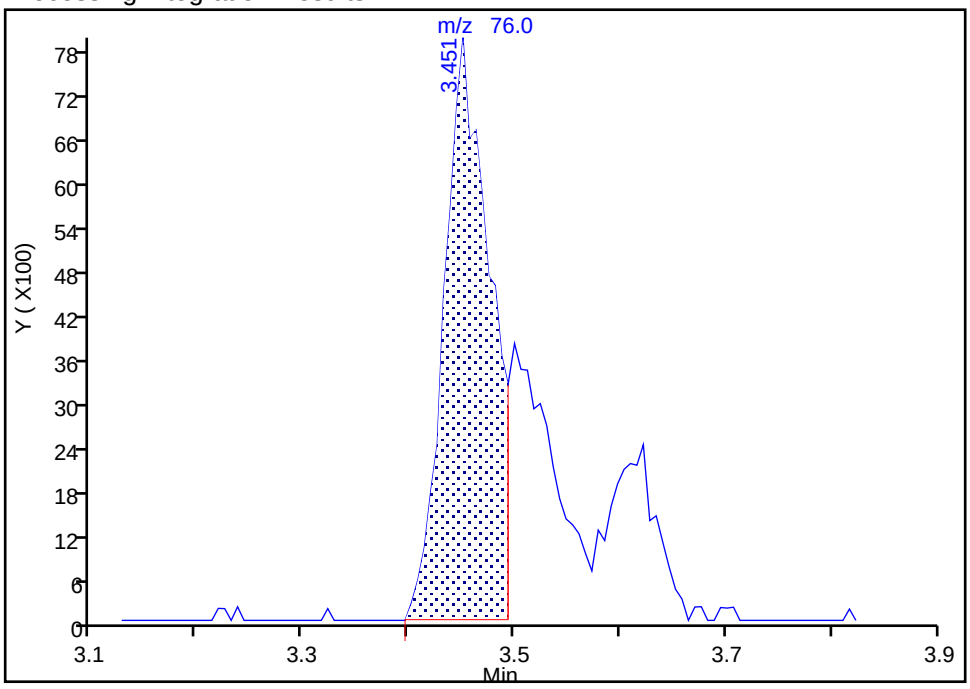
Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X12.D
Injection Date: 14-Jun-2024 22:28:30 Instrument ID: 10193
Lims ID: IC std1 0.2
Client ID:
Operator ID: MEC29284 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

25 Carbon disulfide, CAS: 75-15-0

Signal: 1

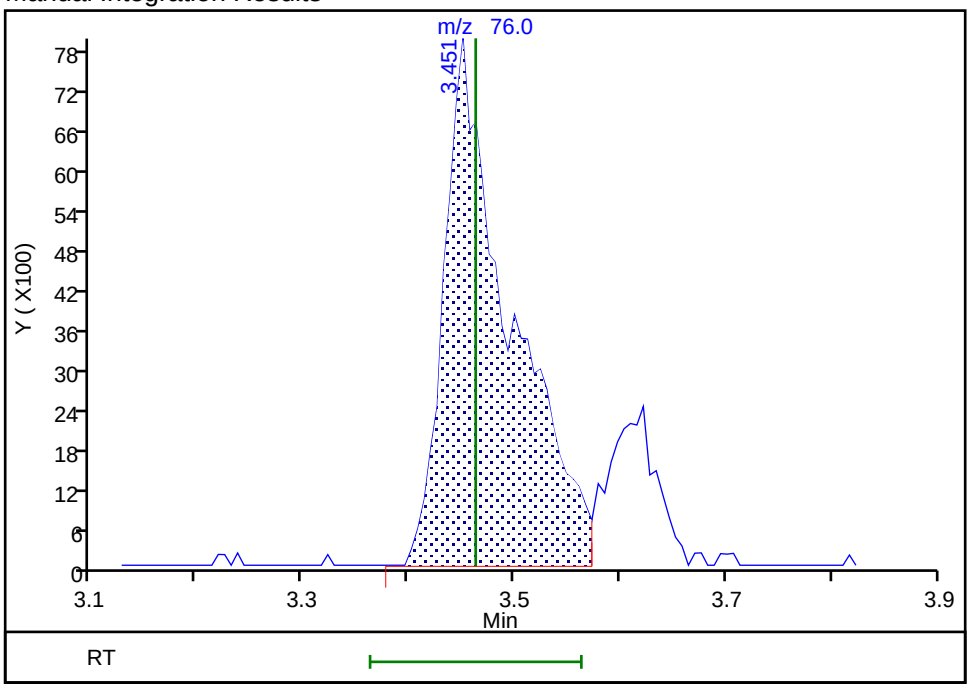
Processing Integration Results

RT: 3.45
Area: 24242
Amount: 0.171043
Amount Units: ug/l



Manual Integration Results

RT: 3.45
Area: 34643
Amount: 0.206423
Amount Units: ug/l



Reviewer: UCB5, 16-Jun-2024 13:19:27 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

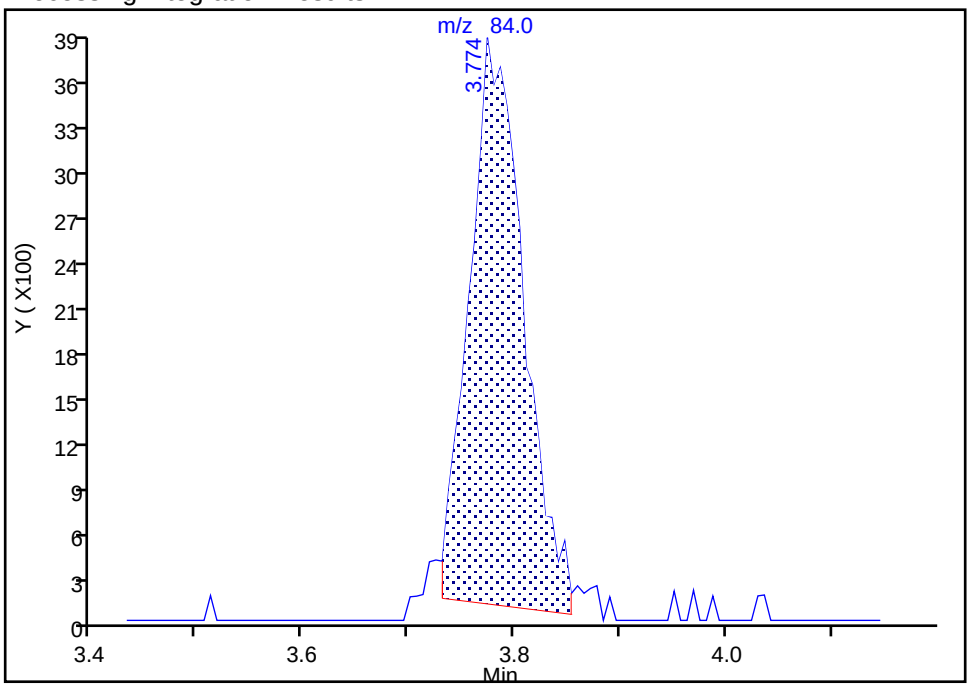
Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X12.D
Injection Date: 14-Jun-2024 22:28:30 Instrument ID: 10193
Lims ID: IC std1 0.2
Client ID:
Operator ID: MEC29284 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

30 Methylene Chloride, CAS: 75-09-2

Signal: 1

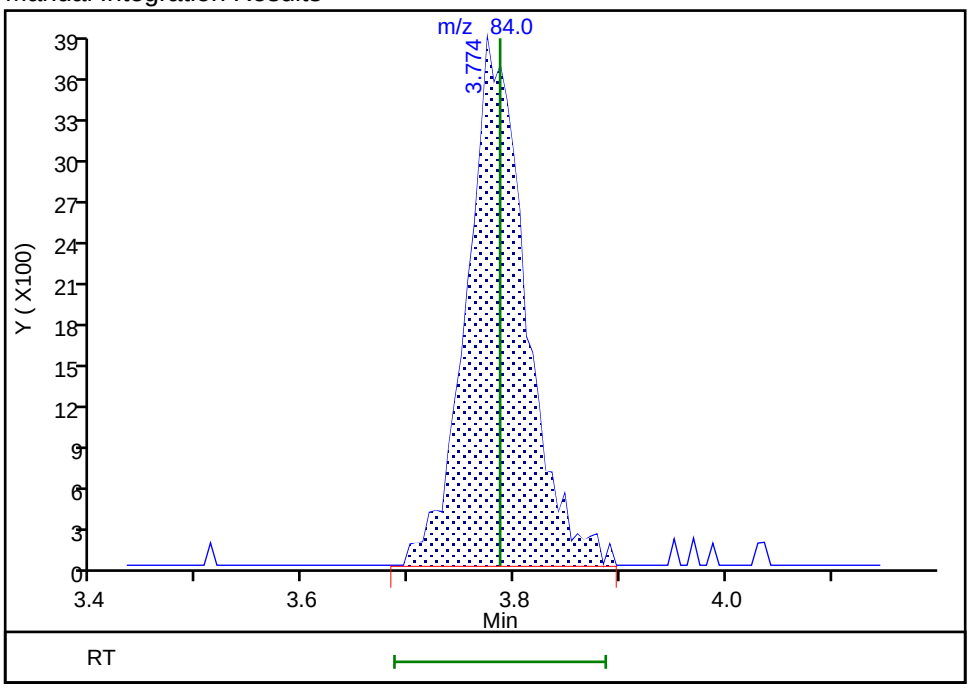
Processing Integration Results

RT: 3.77
Area: 13391
Amount: 0.221210
Amount Units: ug/l



Manual Integration Results

RT: 3.77
Area: 14882
Amount: 0.241591
Amount Units: ug/l



Reviewer: UCB5, 16-Jun-2024 13:19:38 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

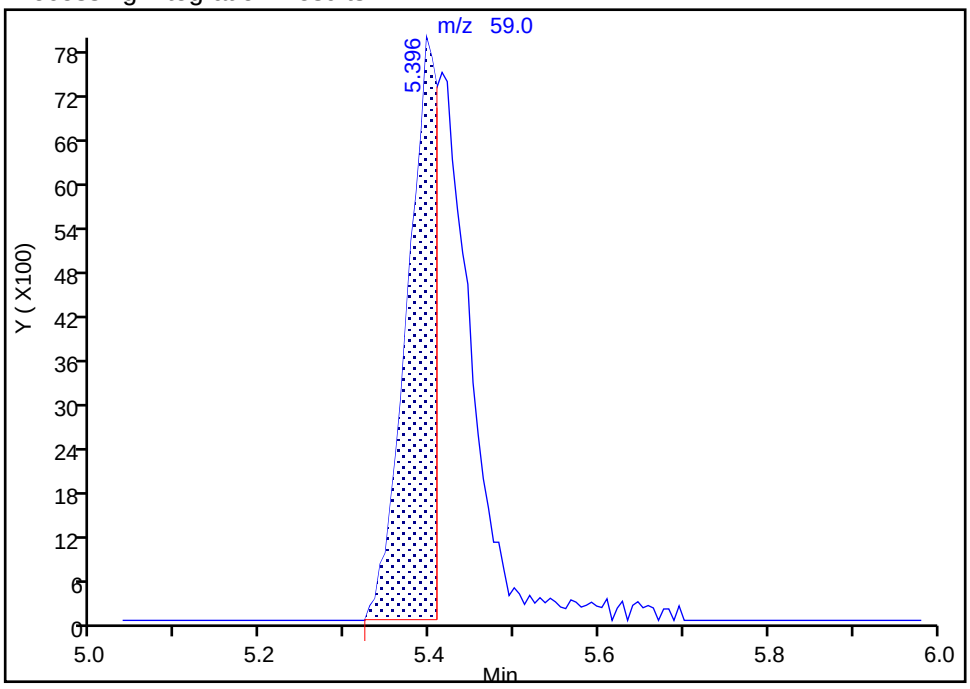
Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X12.D
Injection Date: 14-Jun-2024 22:28:30 Instrument ID: 10193
Lims ID: IC std1 0.2
Client ID:
Operator ID: MEC29284 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

41 Tert-butyl ethyl ether, CAS: 637-92-3

Signal: 1

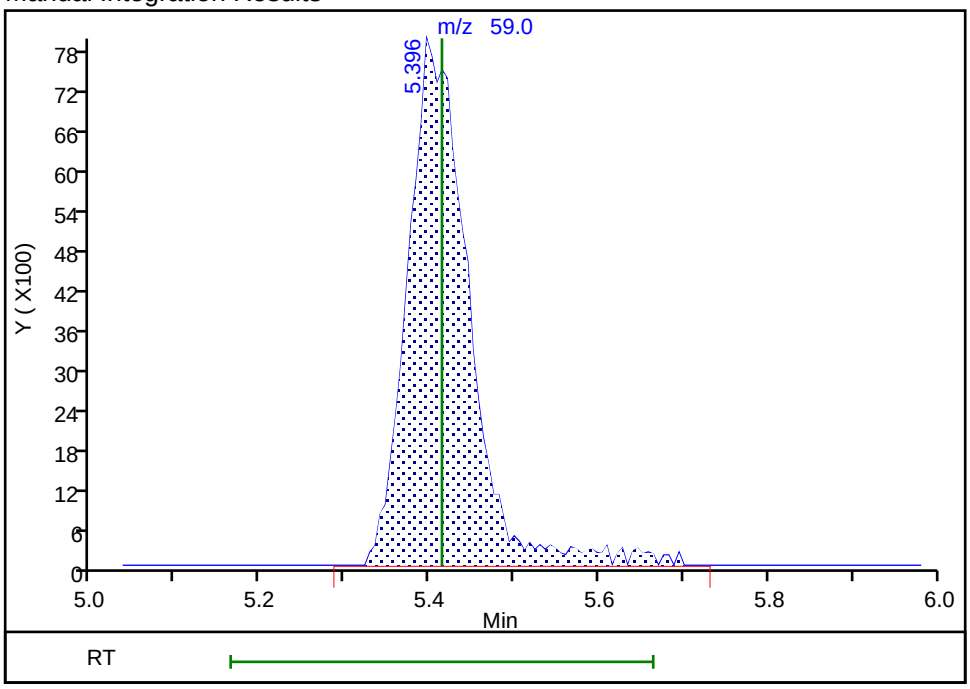
Processing Integration Results

RT: 5.40
Area: 19645
Amount: 0.115148
Amount Units: ug/l



Manual Integration Results

RT: 5.40
Area: 39920
Amount: 0.215681
Amount Units: ug/l



Reviewer: UCB5, 16-Jun-2024 13:19:49 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

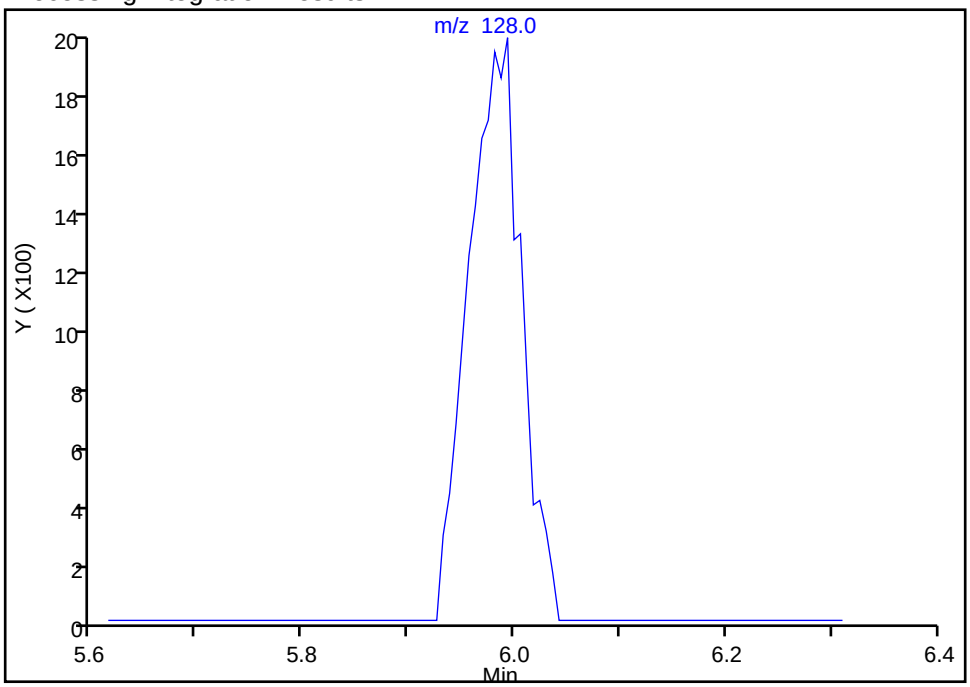
Data File:	\\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X12.D				
Injection Date:	14-Jun-2024 22:28:30	Instrument ID:	10193		
Lims ID:	IC std1 0.2				
Client ID:					
Operator ID:	MEC29284	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

48 Chlorobromomethane, CAS: 74-97-5

Signal: 1

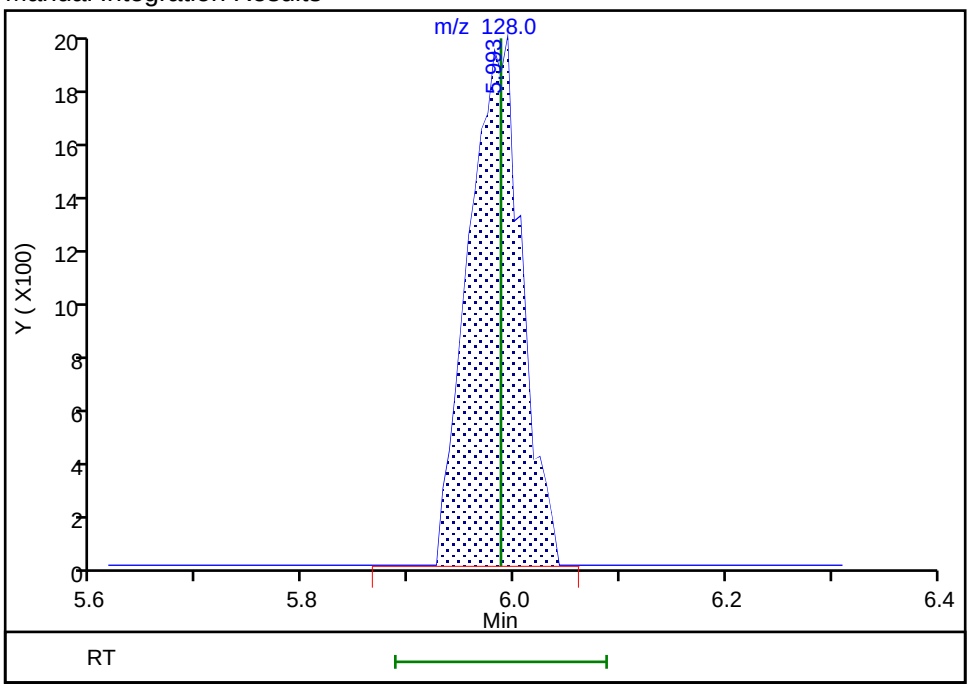
Not Detected
Expected RT: 5.99

Processing Integration Results



Manual Integration Results

RT: 5.99
Area: 6692
Amount: 0.209076
Amount Units: ug/l



Reviewer: UCB5, 16-Jun-2024 13:20:02 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

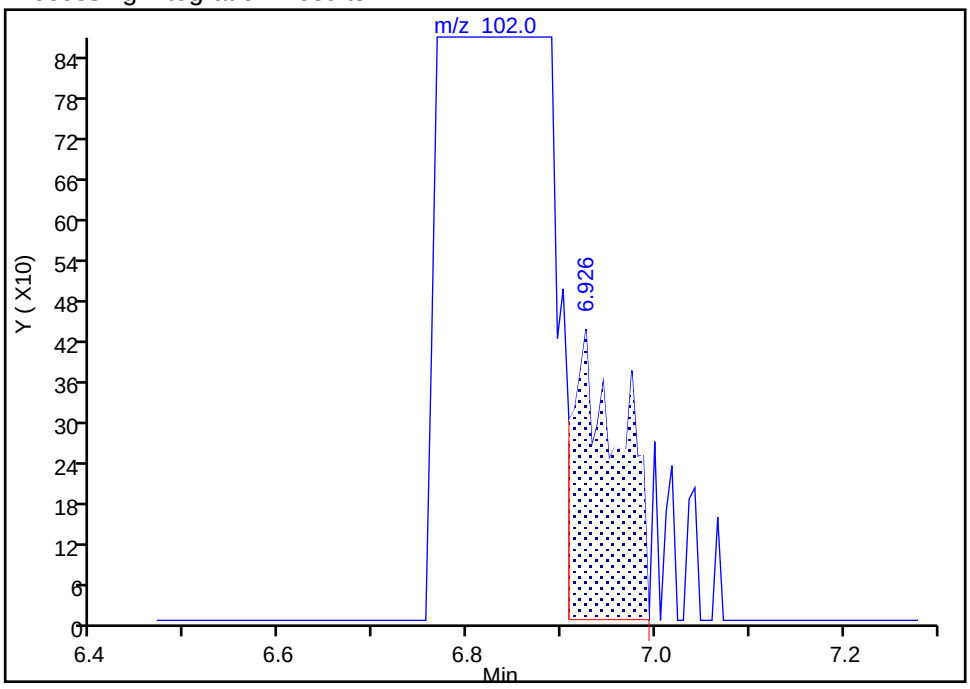
Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X12.D
Injection Date: 14-Jun-2024 22:28:30 Instrument ID: 10193
Lims ID: IC std1 0.2
Client ID:
Operator ID: MEC29284 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

$ 59 1,2-Dichloroethane-d4 (Surr), CAS: 17060-07-0

Signal: 1

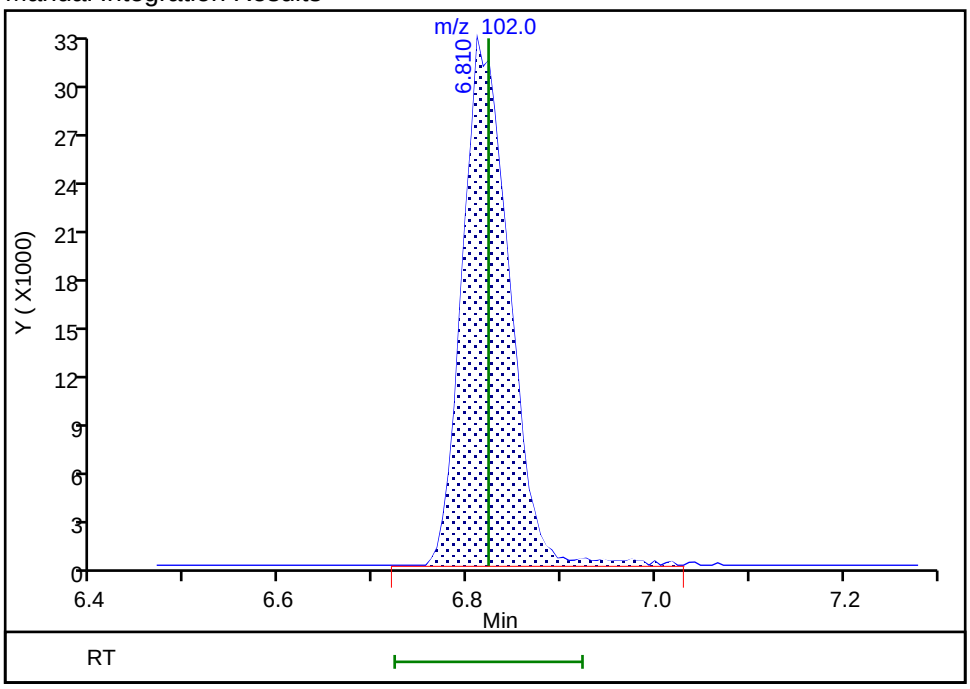
Processing Integration Results

RT: 6.93
Area: 1536
Amount: 0.159843
Amount Units: ug/l



Manual Integration Results

RT: 6.81
Area: 112641
Amount: 10.060269
Amount Units: ug/l



Reviewer: UCB5, 16-Jun-2024 13:20:29 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

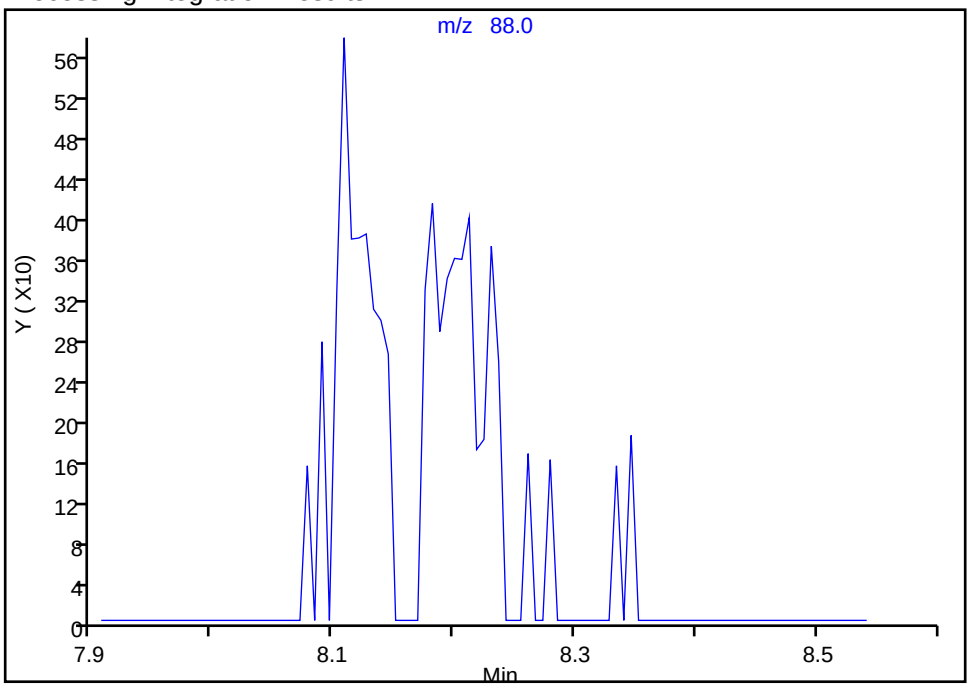
Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X12.D
Injection Date: 14-Jun-2024 22:28:30 Instrument ID: 10193
Lims ID: IC std1 0.2
Client ID:
Operator ID: MEC29284 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

74 1,4-Dioxane, CAS: 123-91-1

Signal: 1

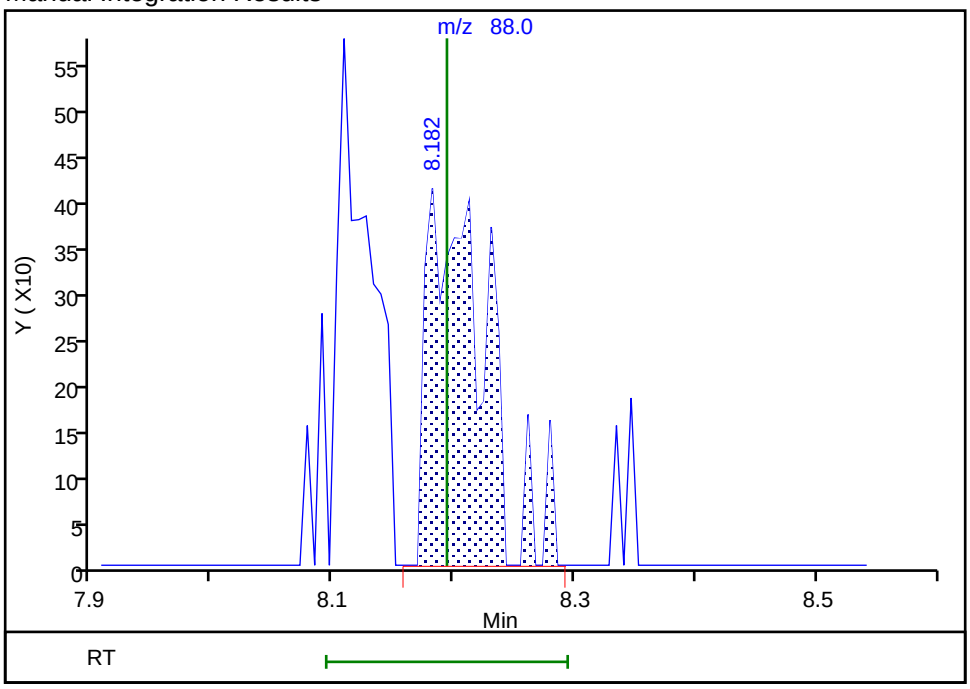
Not Detected
Expected RT: 8.19

Processing Integration Results



Manual Integration Results

RT: 8.18
Area: 1372
Amount: 6.315178
Amount Units: ug/l



Reviewer: UCB5, 16-Jun-2024 13:21:13 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

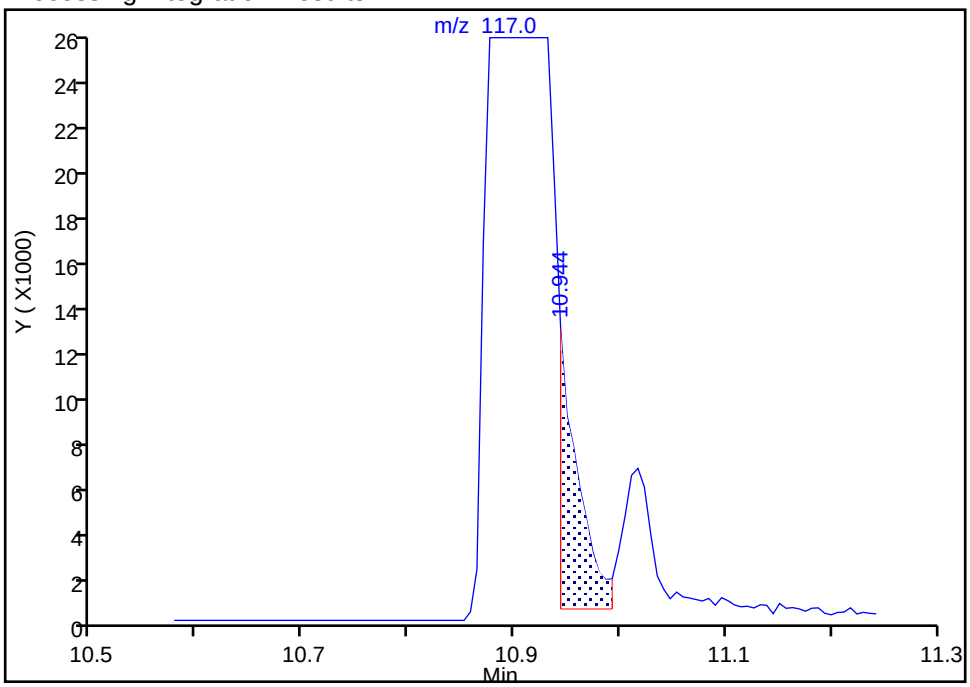
Data File:	\\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X12.D				
Injection Date:	14-Jun-2024 22:28:30	Instrument ID:	10193		
Lims ID:	IC std1 0.2				
Client ID:					
Operator ID:	MEC29284	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

* 111 Chlorobenzene-d5 (IS), CAS: 3114-55-4

Signal: 1

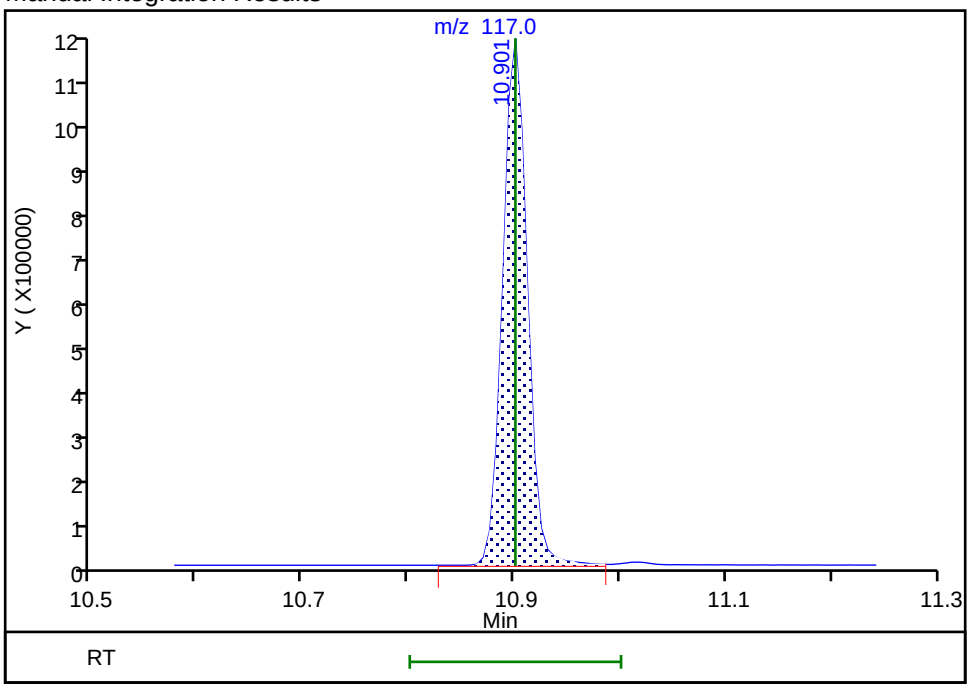
Processing Integration Results

RT: 10.94
Area: 15751
Amount: 10.000000
Amount Units: ug/l



Manual Integration Results

RT: 10.90
Area: 1782883
Amount: 10.000000
Amount Units: ug/l



Reviewer: UCB5, 16-Jun-2024 13:22:01 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

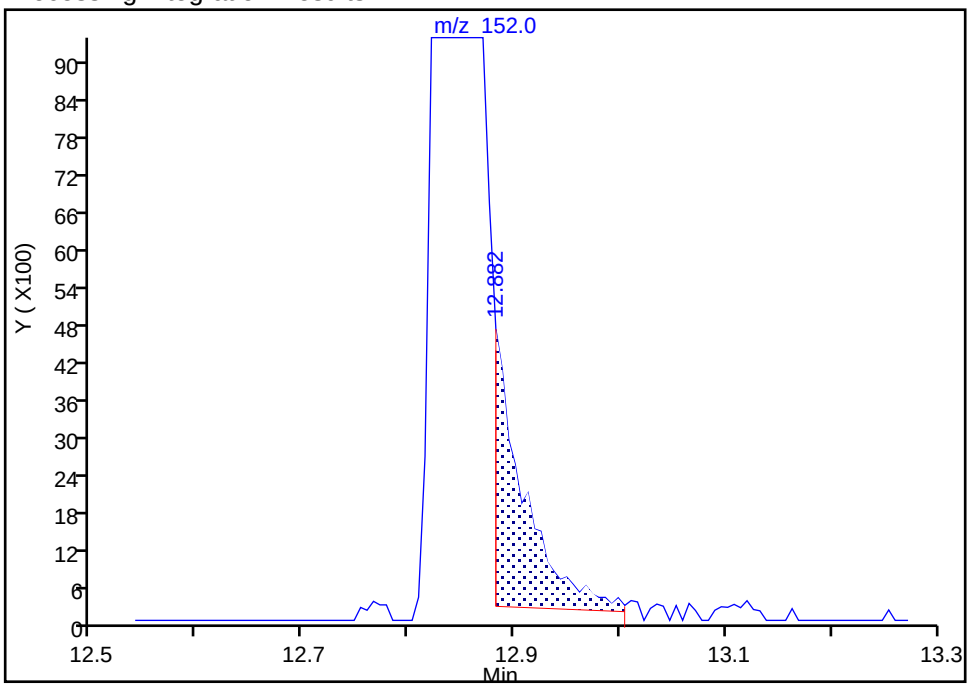
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Injection Date: 14-Jun-2024 22:28:30 Instrument ID: 10193
Lims ID: IC std1 0.2
Client ID:
Operator ID: MEC29284 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

* 139 1,4-Dichlorobenzene-d4, CAS: 3855-82-1

Signal: 1

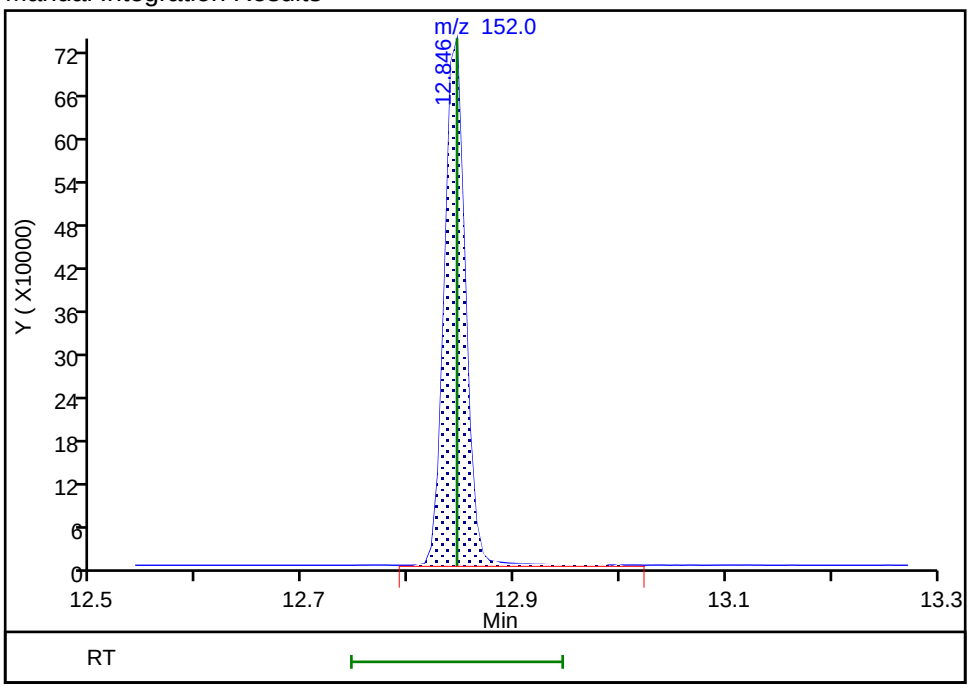
Processing Integration Results

RT: 12.88
Area: 8576
Amount: 10.000000
Amount Units: ug/l



Manual Integration Results

RT: 12.85
Area: 1015421
Amount: 10.000000
Amount Units: ug/l



Reviewer: UCB5, 16-Jun-2024 13:22:42 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X13.D
Lims ID: IC std2 0.5
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 14-Jun-2024 22:51:30 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0116724-014
Misc. Info.: IC STD.5 LG
Operator ID: MEC29284 Instrument ID: 10193
Sublist: chrom-MSV_10193_25mL*sub1

Method: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 17-Jun-2024 19:28:38 Calib Date: 15-Jun-2024 00:45:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1606

First Level Reviewer: UCB5 Date: 16-Jun-2024 13:28:26

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.799	1.799	0.000	99	37177	0.5000	0.4977	
5 Chloromethane	50	1.982	1.982	0.000	99	44306	0.5000	0.5250	
6 Vinyl chloride	62	2.079	2.085	-0.006	98	42389	0.5000	0.5104	
7 Butadiene	39	2.079	2.085	-0.006	95	43922	0.5000	0.4948	M
9 Bromomethane	94	2.396	2.396	0.000	90	29766	0.5000	0.5096	
10 Chloroethane	64	2.439	2.445	-0.006	99	23856	0.5000	0.5016	
11 Dichlorofluoromethane	67	2.689	2.689	0.000	97	59601	0.5000	0.4837	
13 Pentane	43	2.732	2.738	-0.006	97	39044	0.5000	0.4734	
12 Trichlorofluoromethane	101	2.738	2.744	-0.006	97	47549	0.5000	0.4921	
14 Ethyl ether	59	2.914	2.921	-0.007	92	21441	0.4999	0.4913	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.006	3.018	-0.012	93	36239	0.5000	0.5097	
17 Acrolein	56	3.079	3.073	0.006	99	164124	25.1	22.6	
18 1,1-Dichloroethene	96	3.189	3.195	-0.006	97	26536	0.5000	0.5156	
20 Acetone	43	3.219	3.219	0.000	100	47638	5.00	5.10	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.238	3.244	-0.006	90	26179	0.5000	0.4945	
24 Isopropyl alcohol	45	3.384	3.366	0.018	37	18207	10.0	9.48	
22 Iodomethane	142	3.366	3.372	-0.006	97	52317	0.5000	0.4883	
23 Ethyl bromide	108	3.396	3.396	0.000	97	23488	0.5009	0.5014	
25 Carbon disulfide	76	3.457	3.463	-0.006	98	80537	0.5000	0.4821	M
26 Methyl acetate	43	3.591	3.585	0.006	21	13658	0.5000	0.5091	M
29 3-Chloro-1-propene	41	3.609	3.616	-0.007	92	41675	0.5000	0.4875	
30 Methylene Chloride	84	3.786	3.786	0.000	95	30489	0.5000	0.4973	
* 31 t-Butyl alcohol-d10 (IS)	65	3.798	3.792	0.006	96	188422	50.0	50.0	
32 2-Methyl-2-propanol	59	3.914	3.908	0.006	99	38284	10.0	10.5	
33 Acrylonitrile	53	4.097	4.091	0.006	95	16396	1.25	1.20	
35 trans-1,2-Dichloroethene	96	4.146	4.146	0.000	99	30060	0.5000	0.4895	
34 Methyl tert-butyl ether	73	4.152	4.146	0.006	94	77651	0.5000	0.4944	
36 Hexane	57	4.567	4.561	0.006	92	39337	0.5000	0.4931	
37 1,1-Dichloroethane	63	4.804	4.804	0.000	96	51613	0.5000	0.4892	
39 Isopropyl ether	45	4.878	4.871	0.007	94	92217	0.5000	0.4904	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 2-Chloro-1,3-butadiene	53	4.908	4.914	-0.006	90	42355	0.5000	0.4841	
41 Tert-butyl ethyl ether	59	5.408	5.414	-0.006	98	90588	0.5000	0.4917	
42 2-Butanone (MEK)	43	5.621	5.615	0.006	99	78834	5.00	4.60	
43 cis-1,2-Dichloroethene	96	5.658	5.652	0.006	80	33306	0.5000	0.4828	
44 2,2-Dichloropropane	77	5.670	5.670	0.000	73	45206	0.5000	0.5170	
45 Propionitrile	54	5.719	5.719	0.000	99	42419	10.0	9.17	
47 Methacrylonitrile	67	5.932	5.926	0.006	91	77190	5.00	4.55	
49 Tetrahydrofuran	71	5.987	5.981	0.006	76	13124	2.50	2.45	
48 Chlorobromomethane	128	5.987	5.987	0.000	85	15450	0.5000	0.4850	
50 Chloroform	83	6.152	6.146	0.006	93	56816	0.5000	0.5084	
S 52 1,2-Dichloroethene, Total	100				0			0.9723	
$ 54 Dibromofluoromethane (Surr)	113	6.365	6.365	0.000	94	543106	10.0	9.97	
53 1,1,1-Trichloroethane	97	6.365	6.371	-0.006	39	46177	0.5000	0.4946	
55 Cyclohexane	56	6.463	6.463	0.000	90	48058	0.5000	0.4833	
57 1,1-Dichloropropene	75	6.572	6.585	-0.012	93	40770	0.5000	0.4885	M
56 Carbon tetrachloride	117	6.572	6.585	-0.012	93	40728	0.5000	0.4817	
58 Isobutyl alcohol	41	6.774	6.780	-0.006	92	30940	25.0	23.7	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.816	6.822	-0.006	99	109341	10.0	9.81	
60 Benzene	78	6.841	6.853	-0.012	94	124904	0.5000	0.4979	
61 1,2-Dichloroethane	62	6.920	6.926	-0.006	97	32250	0.5000	0.5040	
64 Tert-amyl methyl ether	73	7.054	7.060	-0.006	98	82988	0.5000	0.4847	
* 65 Fluorobenzene (IS)	96	7.267	7.267	0.000	99	2249339	10.0	10.0	
66 n-Heptane	43	7.286	7.286	0.000	38	39635	0.5000	0.4792	
67 n-Butanol	56	7.688	7.682	0.006	87	47106	43.8	39.2	
68 Trichloroethene	95	7.749	7.755	-0.006	96	34377	0.5000	0.4978	
69 Methylcyclohexane	83	8.066	8.066	0.000	91	53014	0.5000	0.4789	
70 1,2-Dichloropropane	63	8.096	8.096	0.000	97	31356	0.5000	0.4883	
71 2-ethoxy-2-methyl butane	87	8.121	8.127	-0.006	92	49965	0.5000	0.4785	
74 1,4-Dioxane	88	8.194	8.194	0.000	32	6332	25.0	26.9	M
73 Methyl methacrylate	69	8.194	8.200	-0.006	89	17148	0.5000	0.4824	
72 Dibromomethane	93	8.206	8.206	0.000	86	15752	0.5000	0.4816	
76 Dichlorobromomethane	83	8.450	8.456	-0.006	99	37902	0.5000	0.4891	
77 2-Nitropropane	41	8.743	8.743	0.000	98	21479	2.50	2.24	
78 1-Bromo-2-chloroethane	63	8.846	8.846	0.000	98	30765	0.5000	0.4899	
80 cis-1,3-Dichloropropene	75	9.029	9.029	0.000	96	48372	0.5000	0.4822	
82 4-Methyl-2-pentanone (MIBK)	43	9.230	9.230	0.000	96	198148	5.00	4.52	
$ 83 Toluene-d8 (Surr)	98	9.358	9.358	0.000	93	2266302	10.0	9.91	
84 Toluene	92	9.438	9.444	-0.006	98	81838	0.5000	0.4828	
85 trans-1,3-Dichloropropene	75	9.730	9.730	0.000	92	40829	0.5000	0.4727	
86 Ethyl methacrylate	69	9.803	9.803	0.000	89	34505	0.5000	0.4664	
87 1,1,2-Trichloroethane	97	9.938	9.944	-0.006	90	24613	0.5000	0.5018	
88 Tetrachloroethene	166	10.023	10.023	0.000	96	40580	0.5000	0.4821	
S 107 1,3-Dichloropropene, Total	100				0			0.9549	
89 1,3-Dichloropropane	76	10.114	10.114	0.000	89	39318	0.5000	0.4824	
106 2-Hexanone	43	10.181	10.181	0.000	95	145548	5.00	4.57	
108 Chlorodibromomethane	129	10.334	10.334	0.000	91	29737	0.5000	0.4720	
110 Ethylene Dibromide	107	10.444	10.444	0.000	99	23629	0.5000	0.4859	
* 111 Chlorobenzene-d5 (IS)	117	10.901	10.901	0.000	83	1784584	10.0	10.0	
112 1-Chlorohexane	91	10.919	10.919	0.000	95	49378	0.5000	0.4970	
113 Chlorobenzene	112	10.925	10.925	0.000	97	97393	0.5000	0.4807	
114 1,1,1,2-Tetrachloroethane	131	11.017	11.017	0.000	95	34413	0.5000	0.4819	
115 Ethylbenzene	91	11.023	11.023	0.000	97	159513	0.5000	0.4793	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
116 m-Xylene & p-Xylene	106	11.145	11.145	0.000	97	131343	1.00	0.9636	
S 117 Xylenes, Total	106				0			1.45	
118 o-Xylene	106	11.486	11.486	0.000	96	65549	0.5000	0.4878	
119 Styrene	104	11.498	11.498	0.000	94	106915	0.5000	0.4802	
120 Bromoform	173	11.657	11.657	0.000	98	19199	0.5000	0.4727	
121 Isopropylbenzene	105	11.797	11.797	0.000	95	152336	0.5000	0.4777	
$ 124 4-Bromofluorobenzene (Surr)	95	11.937	11.943	-0.006	94	849659	10.0	9.88	
126 1,1,2,2-Tetrachloroethane	83	12.053	12.053	0.000	92	29335	0.5000	0.4896	
125 Bromobenzene	156	12.059	12.059	0.000	88	44160	0.5000	0.4891	
127 trans-1,4-Dichloro-2-butene	53	12.083	12.083	0.000	91	66951	5.00	4.76	
128 1,2,3-Trichloropropane	110	12.096	12.096	0.000	77	8200	0.5000	0.4928	
129 N-Propylbenzene	91	12.132	12.138	-0.006	98	188721	0.5000	0.4862	
130 2-Chlorotoluene	126	12.205	12.211	-0.006	98	42086	0.5000	0.4835	
131 1,3,5-Trimethylbenzene	105	12.279	12.279	0.000	94	140114	0.5000	0.4833	
132 4-Chlorotoluene	126	12.303	12.303	0.000	97	44945	0.5000	0.4953	
133 tert-Butylbenzene	134	12.522	12.522	0.000	92	33982	0.5000	0.4874	
134 Pentachloroethane	167	12.553	12.553	0.000	79	24576	0.5000	0.4703	
135 1,2,4-Trimethylbenzene	105	12.565	12.565	0.000	96	144139	0.5000	0.4815	
136 sec-Butylbenzene	105	12.693	12.693	0.000	93	181269	0.5000	0.4846	
137 1,3-Dichlorobenzene	146	12.785	12.785	0.000	98	85569	0.5000	0.4797	
138 4-Isopropyltoluene	119	12.803	12.803	0.000	97	162015	0.5000	0.4819	
* 139 1,4-Dichlorobenzene-d4	152	12.845	12.846	-0.001	93	1026393	10.0	10.0	
140 1,4-Dichlorobenzene	146	12.864	12.864	0.000	95	88542	0.5000	0.4852	
141 1,2,3-Trimethylbenzene	120	12.876	12.876	0.000	98	66932	0.5000	0.4844	
142 Benzyl chloride	126	12.943	12.943	0.000	97	13638	0.5000	0.4967	
145 p-Diethylbenzene	119	13.083	13.083	0.000	94	101562	0.5000	0.4848	
143 n-Butylbenzene	92	13.102	13.102	0.000	96	77859	0.5000	0.4823	
144 1,2-Dichlorobenzene	146	13.126	13.126	0.000	99	78610	0.5000	0.4827	
148 1,2-Dibromo-3-Chloropropane	155	13.687	13.681	0.006	89	4872	0.5000	0.4911	
149 1,3,5-Trichlorobenzene	180	13.809	13.803	0.006	97	65319	0.5000	0.4720	
150 1,2,4-Trichlorobenzene	180	14.235	14.235	0.000	94	51723	0.5000	0.4612	
151 Hexachlorobutadiene	225	14.321	14.321	0.000	97	27875	0.5000	0.4813	
152 Naphthalene	128	14.418	14.418	0.000	96	81310	0.5000	0.4580	
153 1,2,3-Trichlorobenzene	180	14.565	14.565	0.000	95	40540	0.5000	0.4635	
154 2-Methylnaphthalene	142	15.174	15.174	0.000	91	30266	0.5000	0.3850	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

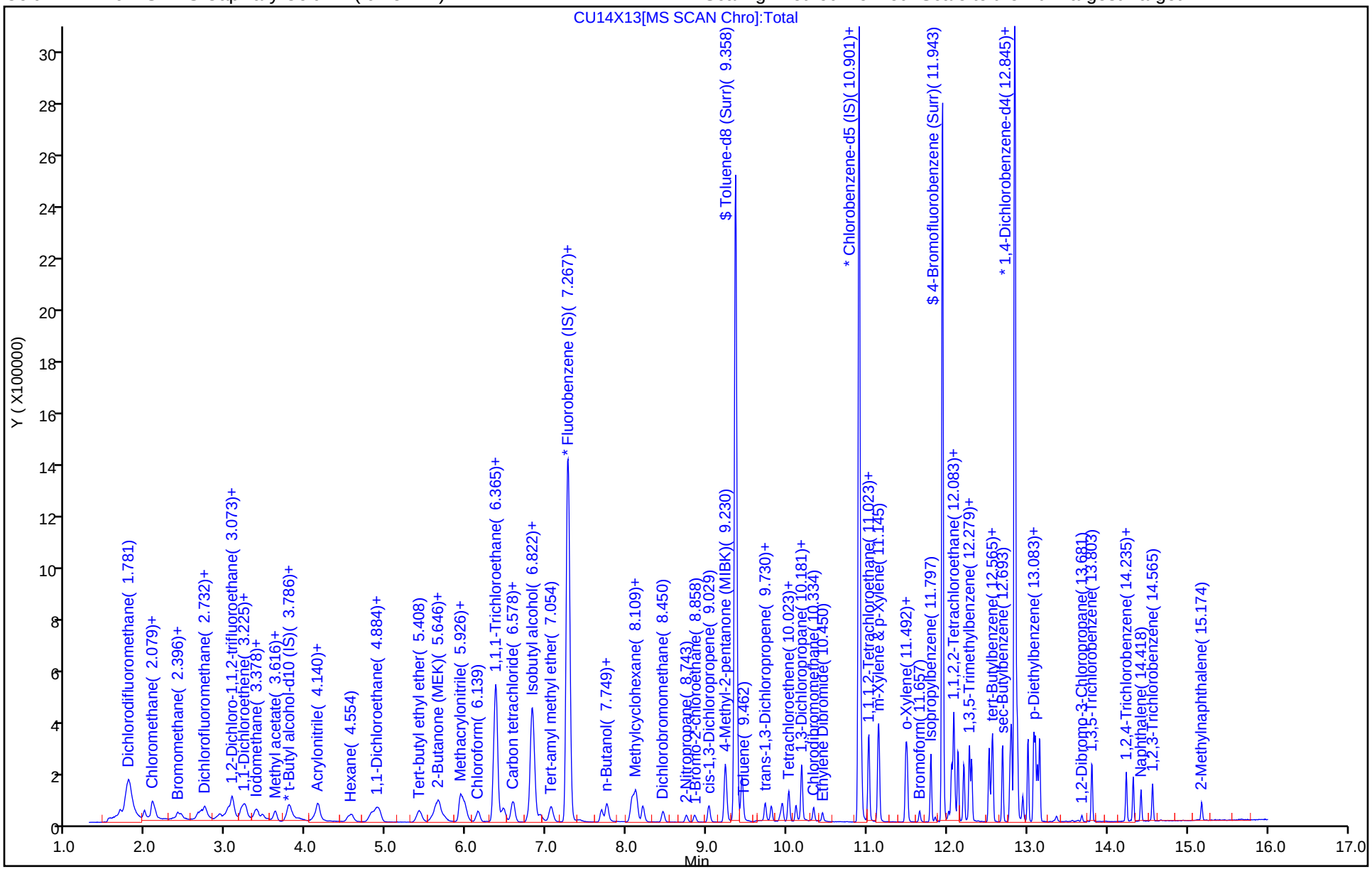
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MSV_LL_GAS826_00214	Amount Added:	2.00	Units: uL	
MSV_HP25_ISSS_00090	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 17-Jun-2024 19:28:39 Chrom Revision: 2.3 03-Jun-2024 20:58:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X13.D				
Injection Date:	14-Jun-2024 22:51:30	Instrument ID:	10193	Operator ID:	MEC29284
Lims ID:	IC std2 0.5			Worklist Smp#:	14
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

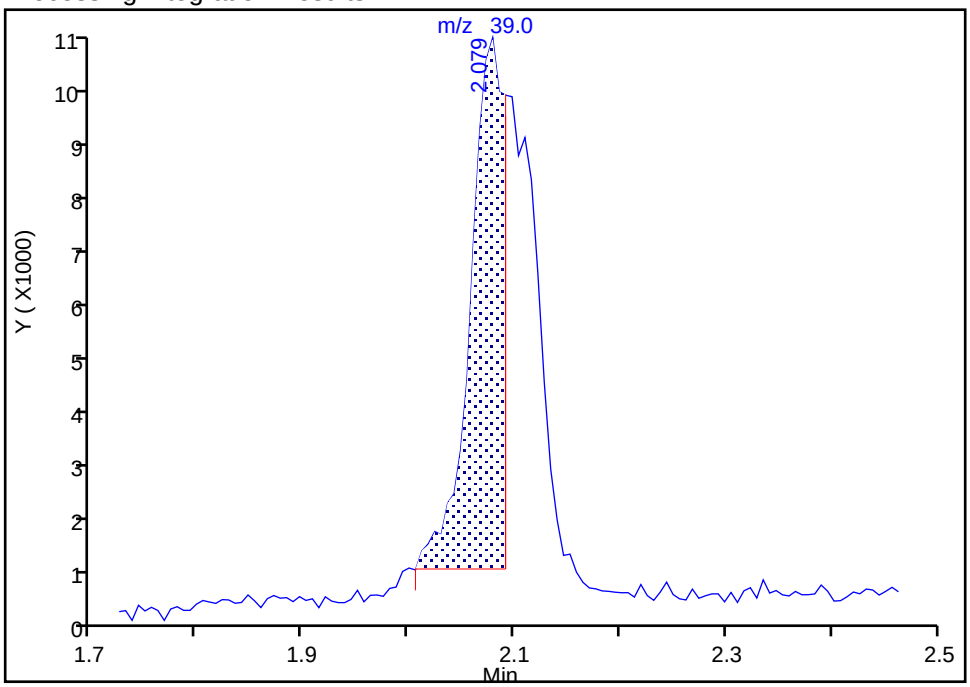
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Injection Date: 14-Jun-2024 22:51:30 Instrument ID: 10193
Lims ID: IC std2 0.5
Client ID:
Operator ID: MEC29284 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

7 Butadiene, CAS: 106-99-0

Signal: 1

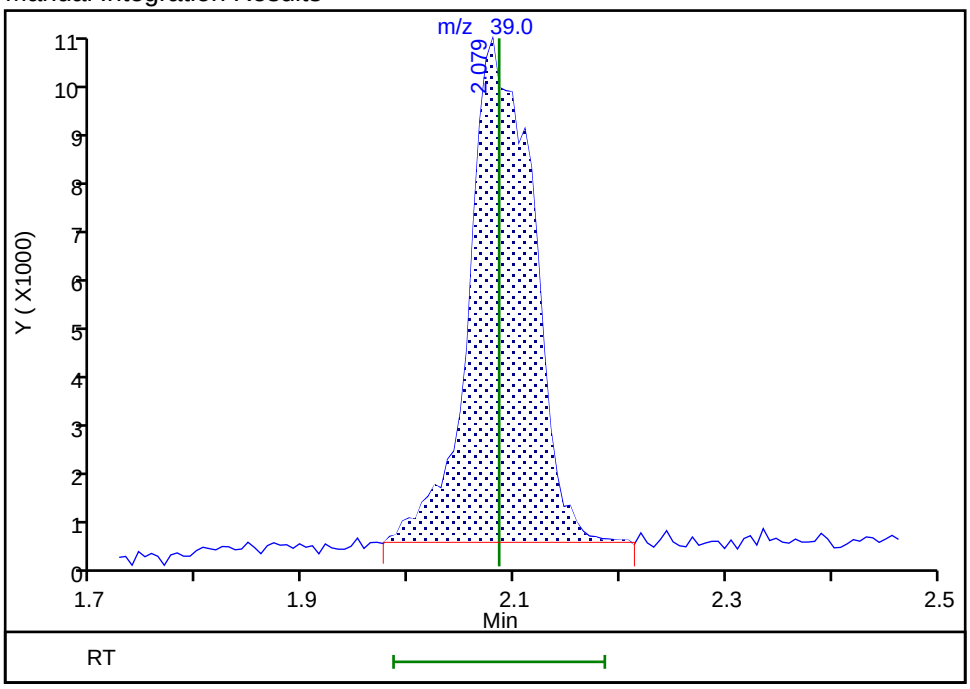
Processing Integration Results

RT: 2.08
Area: 22530
Amount: 0.291684
Amount Units: ug/l



Manual Integration Results

RT: 2.08
Area: 43922
Amount: 0.494849
Amount Units: ug/l



Reviewer: UCB5, 16-Jun-2024 13:24:49 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

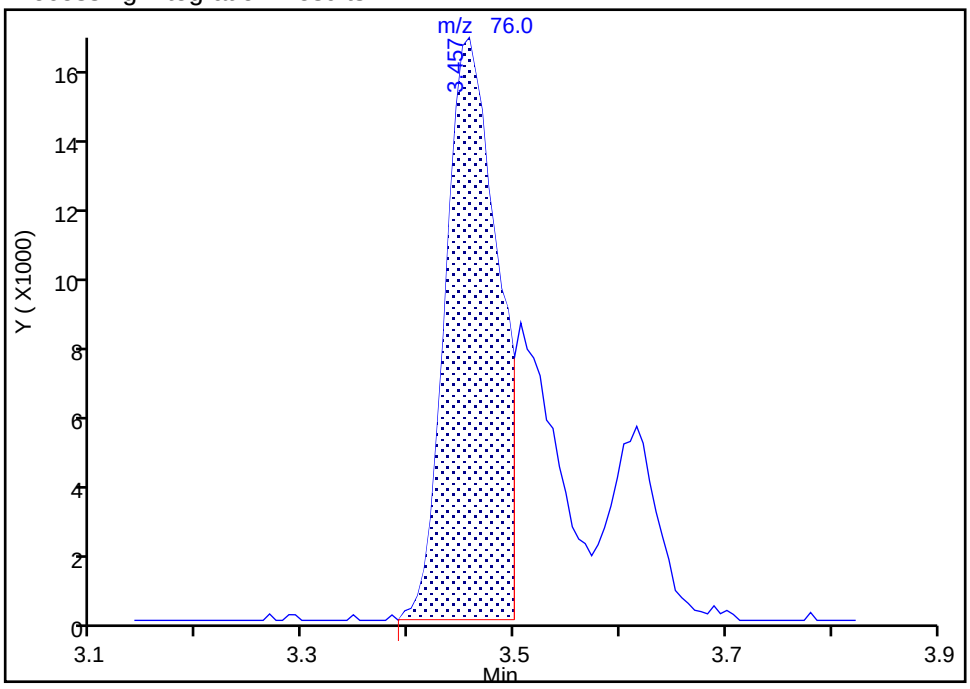
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Injection Date:	14-Jun-2024 22:51:30	Instrument ID:	10193		
Lims ID:	IC std2 0.5				
Client ID:					
Operator ID:	MEC29284	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

25 Carbon disulfide, CAS: 75-15-0

Signal: 1

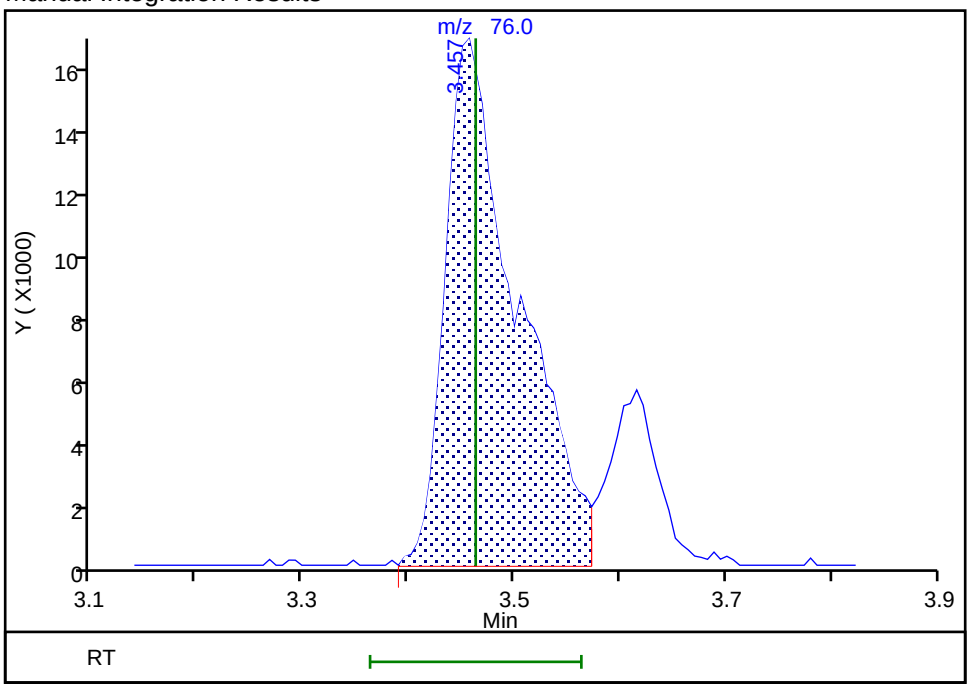
Processing Integration Results

RT: 3.46
Area: 58695
Amount: 0.395356
Amount Units: ug/l



Manual Integration Results

RT: 3.46
Area: 80537
Amount: 0.482144
Amount Units: ug/l



Reviewer: UCB5, 16-Jun-2024 13:25:34 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

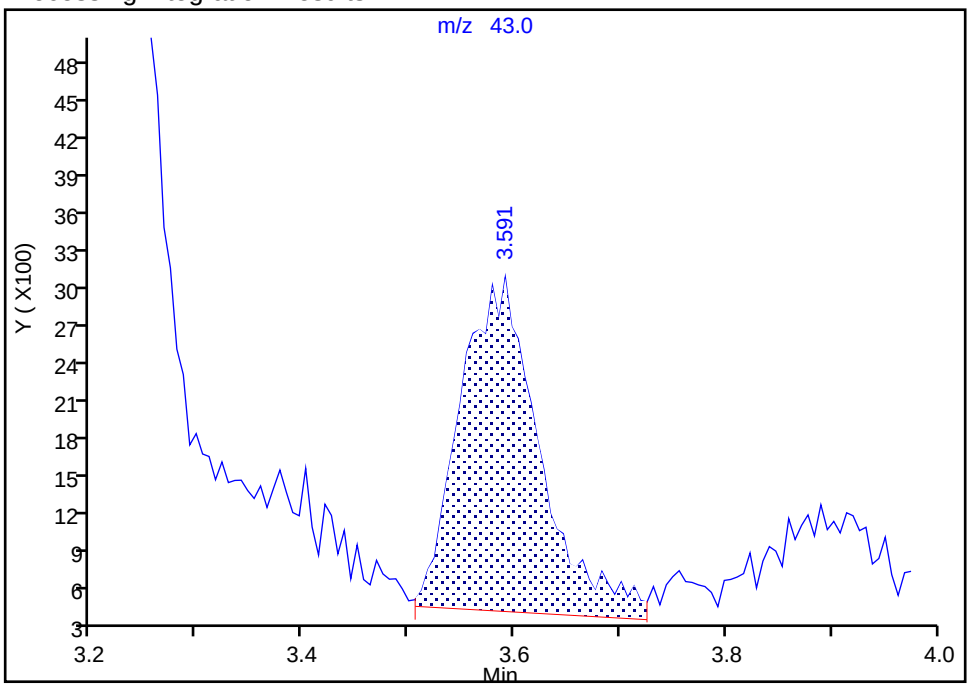
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Injection Date: 14-Jun-2024 22:51:30 Instrument ID: 10193
Lims ID: IC std2 0.5
Client ID:
Operator ID: MEC29284 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

26 Methyl acetate, CAS: 79-20-9

Signal: 1

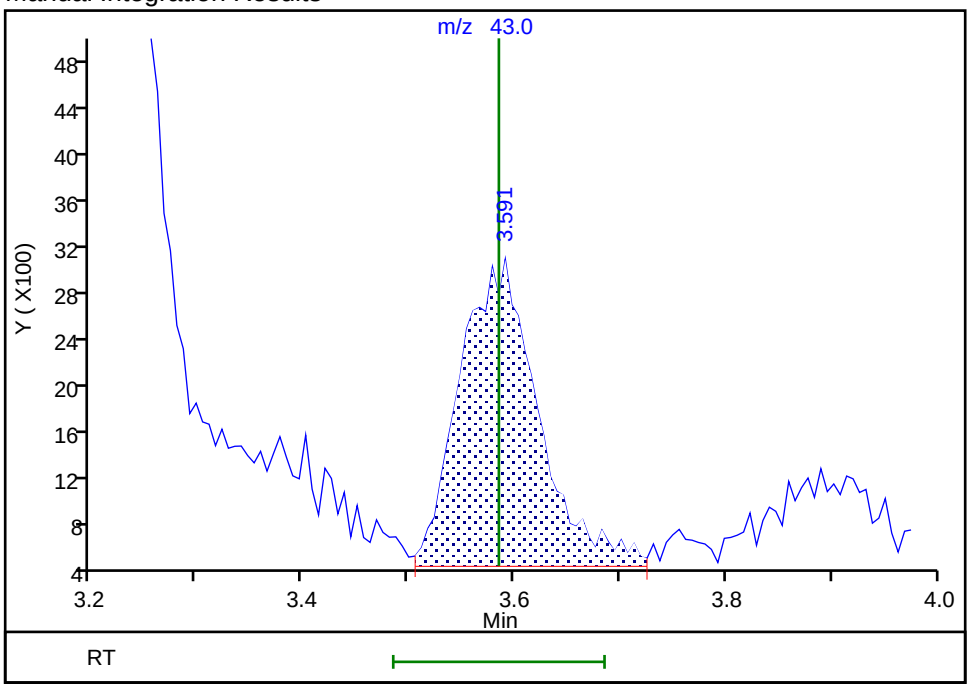
Processing Integration Results

RT: 3.59
Area: 14030
Amount: 0.511807
Amount Units: ug/l



Manual Integration Results

RT: 3.59
Area: 13658
Amount: 0.509108
Amount Units: ug/l



Reviewer: UCB5, 16-Jun-2024 13:25:54 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

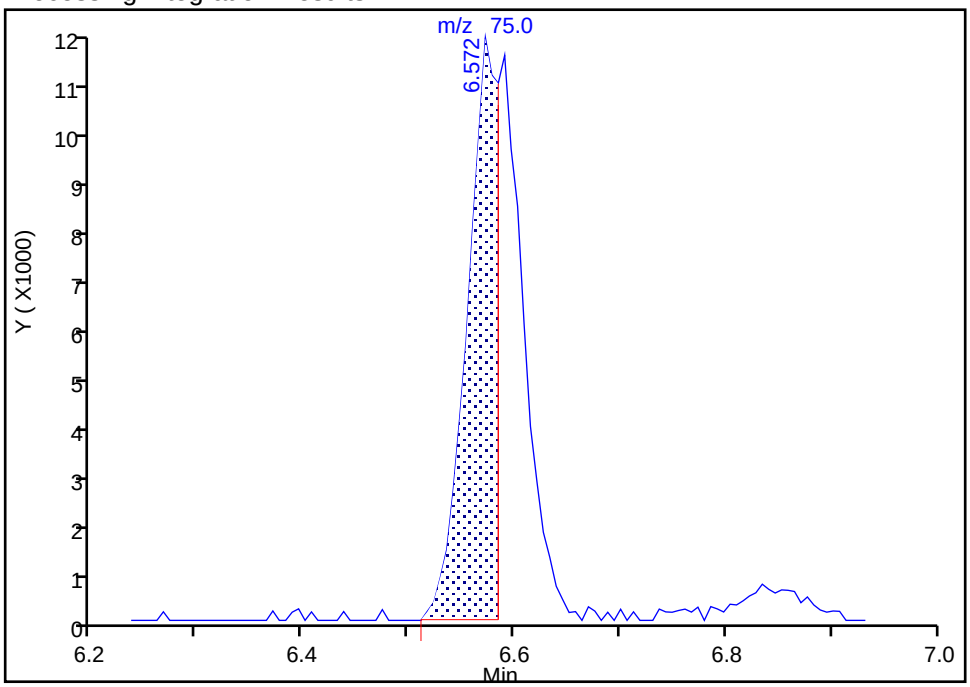
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Injection Date: 14-Jun-2024 22:51:30 Instrument ID: 10193
Lims ID: IC std2 0.5
Client ID:
Operator ID: MEC29284 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

57 1,1-Dichloropropene, CAS: 563-58-6

Signal: 1

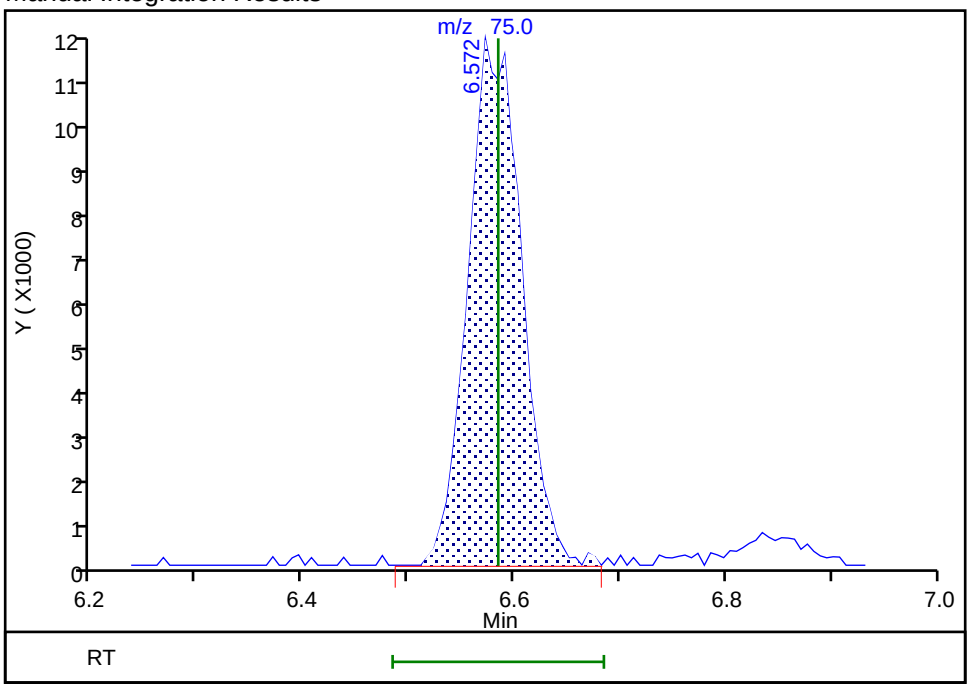
Processing Integration Results

RT: 6.57
Area: 23893
Amount: 0.303808
Amount Units: ug/l



Manual Integration Results

RT: 6.57
Area: 40770
Amount: 0.488456
Amount Units: ug/l



Reviewer: UCB5, 16-Jun-2024 13:27:03 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

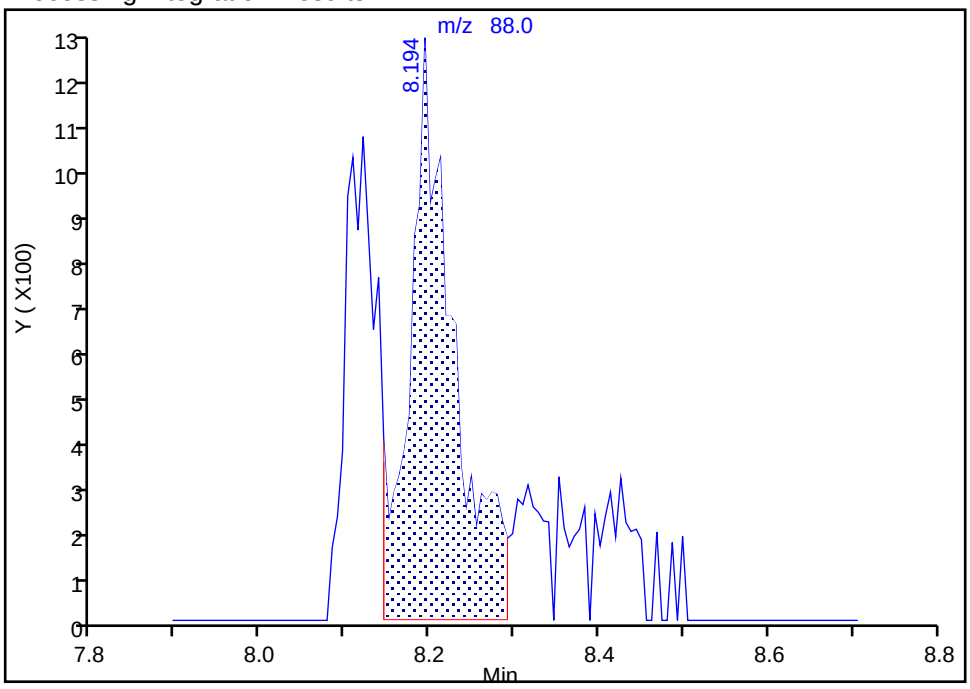
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Injection Date: 14-Jun-2024 22:51:30 Instrument ID: 10193
Lims ID: IC std2 0.5
Client ID:
Operator ID: MEC29284 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

74 1,4-Dioxane, CAS: 123-91-1

Signal: 1

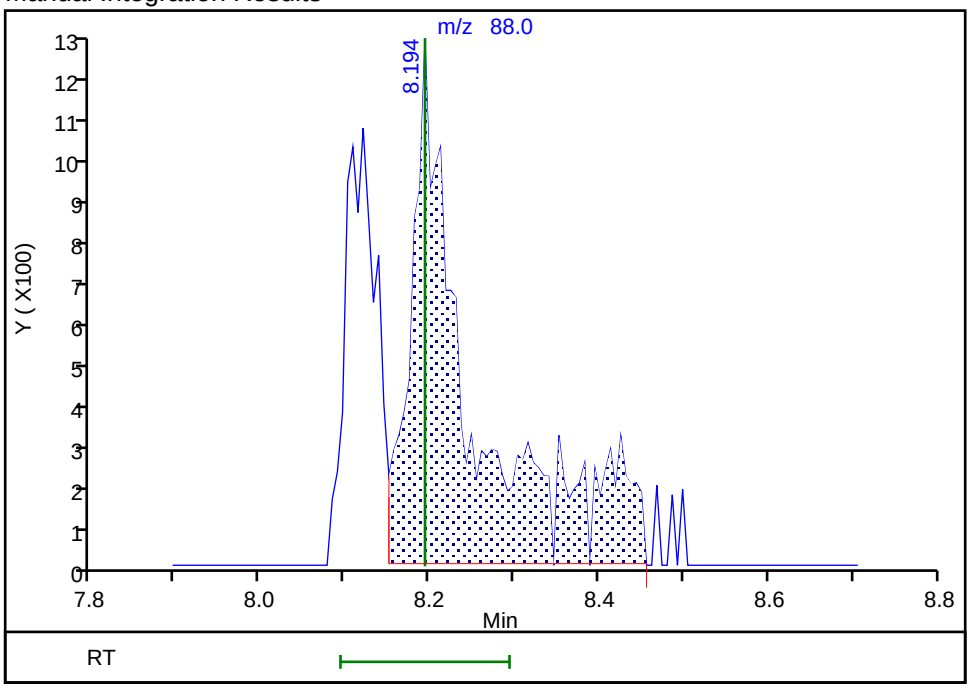
Processing Integration Results

RT: 8.19
Area: 4584
Amount: 19.127091
Amount Units: ug/l



Manual Integration Results

RT: 8.19
Area: 6332
Amount: 26.861982
Amount Units: ug/l



Reviewer: UCB5, 16-Jun-2024 13:27:29 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X14.D
Lims ID: IC std3 1
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 14-Jun-2024 23:14:30 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0116724-015
Misc. Info.: IC STD1 LG
Operator ID: MEC29284 Instrument ID: 10193
Sublist: chrom-MSV_10193_25mL*sub1

Method: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 17-Jun-2024 19:28:43 Calib Date: 15-Jun-2024 00:45:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1606

First Level Reviewer: UCB5 Date: 16-Jun-2024 13:34:06

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.799	1.799	0.000	99	70836	1.00	0.9587	
5 Chloromethane	50	1.988	1.982	0.006	99	80305	1.00	0.9619	
6 Vinyl chloride	62	2.085	2.085	0.000	98	78986	1.00	0.9614	
7 Butadiene	39	2.092	2.085	0.007	90	88324	1.00	1.01	
9 Bromomethane	94	2.402	2.396	0.006	90	55079	1.00	0.9531	
10 Chloroethane	64	2.451	2.445	0.006	100	45415	1.00	0.9652	
11 Dichlorofluoromethane	67	2.695	2.689	0.006	97	117409	1.00	0.9632	
13 Pentane	43	2.738	2.738	0.000	97	76739	1.00	0.9404	
12 Trichlorofluoromethane	101	2.744	2.744	0.000	97	92461	1.00	0.9673	M
14 Ethyl ether	59	2.921	2.921	0.000	91	42704	1.00	0.9891	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.018	3.018	0.000	91	66197	1.00	0.9411	
17 Acrolein	56	3.079	3.073	0.006	100	325233	50.1	50.3	
18 1,1-Dichloroethene	96	3.195	3.195	0.000	96	48730	1.00	0.9571	
20 Acetone	43	3.225	3.219	0.006	100	79646	10.0	9.57	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.244	3.244	0.000	89	50001	1.00	0.9547	
24 Isopropyl alcohol	45	3.378	3.366	0.012	42	30804	20.0	18.0	
22 Iodomethane	142	3.366	3.372	-0.006	97	102351	1.00	0.9656	
23 Ethyl bromide	108	3.390	3.396	-0.006	96	46078	1.00	0.99	
25 Carbon disulfide	76	3.457	3.463	-0.006	98	157757	1.00	0.9547	M
26 Methyl acetate	43	3.591	3.585	0.006	93	22365	1.00	0.9358	
29 3-Chloro-1-propene	41	3.622	3.616	0.006	92	82764	1.00	0.9787	
30 Methylene Chloride	84	3.786	3.786	0.000	91	59785	1.00	0.9857	
* 31 t-Butyl alcohol-d10 (IS)	65	3.792	3.792	0.000	80	167862	50.0	50.0	
32 2-Methyl-2-propanol	59	3.908	3.908	0.000	100	66064	20.0	20.4	
33 Acrylonitrile	53	4.097	4.091	0.006	99	30413	2.50	2.50	
35 trans-1,2-Dichloroethene	96	4.152	4.146	0.006	98	59615	1.00	0.9813	
34 Methyl tert-butyl ether	73	4.152	4.146	0.006	89	152192	1.00	0.9795	
36 Hexane	57	4.555	4.561	-0.007	92	73921	1.00	0.9368	
37 1,1-Dichloroethane	63	4.811	4.804	0.007	95	101800	1.00	0.9754	
39 Isopropyl ether	45	4.872	4.871	0.001	93	181962	1.00	0.9782	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 2-Chloro-1,3-butadiene	53	4.914	4.914	0.000	89	83112	1.00	0.9602	
41 Tert-butyl ethyl ether	59	5.408	5.414	-0.006	98	174560	1.00	0.9578	
42 2-Butanone (MEK)	43	5.621	5.615	0.006	100	155831	10.0	10.2	
43 cis-1,2-Dichloroethene	96	5.652	5.652	0.000	80	66881	1.00	0.9801	
44 2,2-Dichloropropane	77	5.676	5.670	0.006	87	83180	1.00	0.9615	
45 Propionitrile	54	5.725	5.719	0.006	98	81001	20.0	19.7	
47 Methacrylonitrile	67	5.932	5.926	0.006	91	154888	10.0	10.3	
49 Tetrahydrofuran	71	5.981	5.981	0.000	80	24293	5.00	5.09	
48 Chlorobromomethane	128	5.993	5.987	0.006	88	30909	1.00	0.9807	
50 Chloroform	83	6.146	6.146	0.000	93	108163	1.00	0.9783	
S 52 1,2-Dichloroethene, Total	100				0			1.96	
$ 54 Dibromofluoromethane (Surr)	113	6.371	6.365	0.006	94	537659	10.0	9.98	
53 1,1,1-Trichloroethane	97	6.371	6.371	0.000	43	88597	1.00	0.9592	
55 Cyclohexane	56	6.463	6.463	0.000	89	93635	1.00	0.9518	
57 1,1-Dichloropropene	75	6.585	6.585	0.001	95	78774	1.00	0.9540	
56 Carbon tetrachloride	117	6.585	6.585	0.001	90	81258	1.00	0.9714	
58 Isobutyl alcohol	41	6.780	6.780	0.000	95	60786	50.0	52.2	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.822	6.822	0.000	99	111993	10.0	10.2	
60 Benzene	78	6.847	6.853	-0.006	94	242685	1.00	0.9779	
61 1,2-Dichloroethane	62	6.926	6.926	0.000	97	63473	1.00	1.00	
64 Tert-amyl methyl ether	73	7.060	7.060	0.000	99	165331	1.00	0.9761	
* 65 Fluorobenzene (IS)	96	7.267	7.267	0.000	99	2225227	10.0	10.0	
66 n-Heptane	43	7.286	7.286	0.000	92	77827	1.00	0.9511	
67 n-Butanol	56	7.688	7.682	0.006	88	100653	87.5	94.1	
68 Trichloroethene	95	7.755	7.755	0.000	96	66219	1.00	0.9692	
69 Methylcyclohexane	83	8.066	8.066	0.000	89	103134	1.00	0.9418	
70 1,2-Dichloropropane	63	8.096	8.096	0.000	97	61513	1.00	0.9683	
71 2-ethoxy-2-methyl butane	87	8.121	8.127	-0.006	94	99574	1.00	0.9640	
74 1,4-Dioxane	88	8.206	8.194	0.012	31	11418	50.0	54.4	M
73 Methyl methacrylate	69	8.200	8.200	0.000	90	32756	1.00	1.03	
72 Dibromomethane	93	8.206	8.206	0.000	87	31762	1.00	0.9816	
76 Dichlorobromomethane	83	8.456	8.456	0.000	99	73456	1.00	0.9581	
77 2-Nitropropane	41	8.743	8.743	0.000	97	42567	5.00	4.99	
78 1-Bromo-2-chloroethane	63	8.852	8.846	0.006	98	61436	1.00	0.9889	
80 cis-1,3-Dichloropropene	75	9.023	9.029	-0.006	97	95985	1.00	0.9672	
82 4-Methyl-2-pentanone (MIBK)	43	9.230	9.230	0.000	96	390263	10.0	10.0	
$ 83 Toluene-d8 (Surr)	98	9.358	9.358	0.000	93	2220438	10.0	9.91	
84 Toluene	92	9.438	9.444	-0.006	98	162487	1.00	0.9783	M
85 trans-1,3-Dichloropropene	75	9.730	9.730	0.000	92	80904	1.00	0.9559	
86 Ethyl methacrylate	69	9.810	9.803	0.007	89	69428	1.00	0.9577	
87 1,1,2-Trichloroethane	97	9.944	9.944	0.000	89	47044	1.00	0.9789	
88 Tetrachloroethene	166	10.023	10.023	0.000	97	81502	1.00	0.9881	
S 107 1,3-Dichloropropene, Total	100				0			1.92	
89 1,3-Dichloropropane	76	10.114	10.114	0.000	90	78521	1.00	0.9832	
106 2-Hexanone	43	10.181	10.181	0.000	96	291226	10.0	10.3	
108 Chlorodibromomethane	129	10.334	10.334	0.000	88	59418	1.00	0.9625	
110 Ethylene Dibromide	107	10.444	10.444	0.000	99	45837	1.00	0.9619	
* 111 Chlorobenzene-d5 (IS)	117	10.901	10.901	0.000	84	1748651	10.0	10.0	
112 1-Chlorohexane	91	10.919	10.919	0.000	96	92914	1.00	0.9545	
113 Chlorobenzene	112	10.925	10.925	0.000	97	194217	1.00	0.9783	
114 1,1,1,2-Tetrachloroethane	131	11.017	11.017	0.000	96	67152	1.00	0.9596	
115 Ethylbenzene	91	11.023	11.023	0.000	98	314251	1.00	0.9636	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
116 m-Xylene & p-Xylene	106	11.145	11.145	0.000	97	258327	2.00	1.93	
S 117 Xylenes, Total	106				0			2.91	
118 o-Xylene	106	11.486	11.486	0.000	95	128688	1.00	0.9774	
119 Styrene	104	11.498	11.498	0.000	95	208946	1.00	0.9578	
120 Bromoform	173	11.657	11.657	0.000	98	37699	1.00	0.9474	
121 Isopropylbenzene	105	11.797	11.797	0.000	95	298739	1.00	0.9560	
$ 124 4-Bromofluorobenzene (Surr)	95	11.937	11.943	-0.006	94	839803	10.0	9.97	
126 1,1,2,2-Tetrachloroethane	83	12.053	12.053	0.000	75	55271	1.00	0.9337	
125 Bromobenzene	156	12.053	12.059	-0.006	90	86113	1.00	0.9654	
127 trans-1,4-Dichloro-2-butene	53	12.084	12.083	0.001	92	134027	10.0	9.64	
128 1,2,3-Trichloropropane	110	12.096	12.096	0.000	78	15439	1.00	0.9392	
129 N-Propylbenzene	91	12.132	12.138	-0.006	98	368283	1.00	0.9603	
130 2-Chlorotoluene	126	12.205	12.211	-0.006	98	82375	1.00	0.9579	
131 1,3,5-Trimethylbenzene	105	12.279	12.279	0.000	94	273517	1.00	0.9549	
132 4-Chlorotoluene	126	12.303	12.303	0.000	97	86680	1.00	0.9669	
133 tert-Butylbenzene	134	12.522	12.522	0.000	92	65664	1.00	0.9533	
134 Pentachloroethane	167	12.553	12.553	0.000	80	50310	1.00	0.9744	
135 1,2,4-Trimethylbenzene	105	12.565	12.565	0.000	97	281050	1.00	0.9503	
136 sec-Butylbenzene	105	12.693	12.693	0.000	93	354613	1.00	0.9595	
137 1,3-Dichlorobenzene	146	12.785	12.785	0.000	98	167242	1.00	0.9490	
138 4-Isopropyltoluene	119	12.803	12.803	0.000	97	312495	1.00	0.9408	
* 139 1,4-Dichlorobenzene-d4	152	12.846	12.846	0.000	93	1014032	10.0	10.0	M
140 1,4-Dichlorobenzene	146	12.864	12.864	0.000	96	169030	1.00	0.9375	
141 1,2,3-Trimethylbenzene	120	12.876	12.876	0.000	98	130133	1.00	0.9532	
142 Benzyl chloride	126	12.943	12.943	0.000	98	25252	1.00	0.9309	
145 p-Diethylbenzene	119	13.077	13.083	-0.006	96	195957	1.00	0.9467	
143 n-Butylbenzene	92	13.102	13.102	0.000	97	150720	1.00	0.9450	
144 1,2-Dichlorobenzene	146	13.126	13.126	0.000	99	152787	1.00	0.9495	
148 1,2-Dibromo-3-Chloropropane	155	13.681	13.681	0.000	91	8712	1.00	0.8889	
149 1,3,5-Trichlorobenzene	180	13.803	13.803	0.000	98	127654	1.00	0.9337	
150 1,2,4-Trichlorobenzene	180	14.236	14.235	0.001	94	98721	1.00	0.8909	
151 Hexachlorobutadiene	225	14.321	14.321	0.000	96	54266	1.00	0.9485	
152 Naphthalene	128	14.418	14.418	0.000	96	153318	1.00	0.8742	
153 1,2,3-Trichlorobenzene	180	14.565	14.565	0.000	96	76723	1.00	0.8879	
154 2-Methylnaphthalene	142	15.174	15.174	0.000	92	60090	1.00	0.7737	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_#1_826_00133	Amount Added:	2.00	Units: uL	
MSV_LL_#2_826_00140	Amount Added:	2.00	Units: uL	
MSV_LL_GAS826_00214	Amount Added:	2.00	Units: uL	
MSV_HP25_ISSS_00090	Amount Added:	1.00	Units: uL	Run Reagent

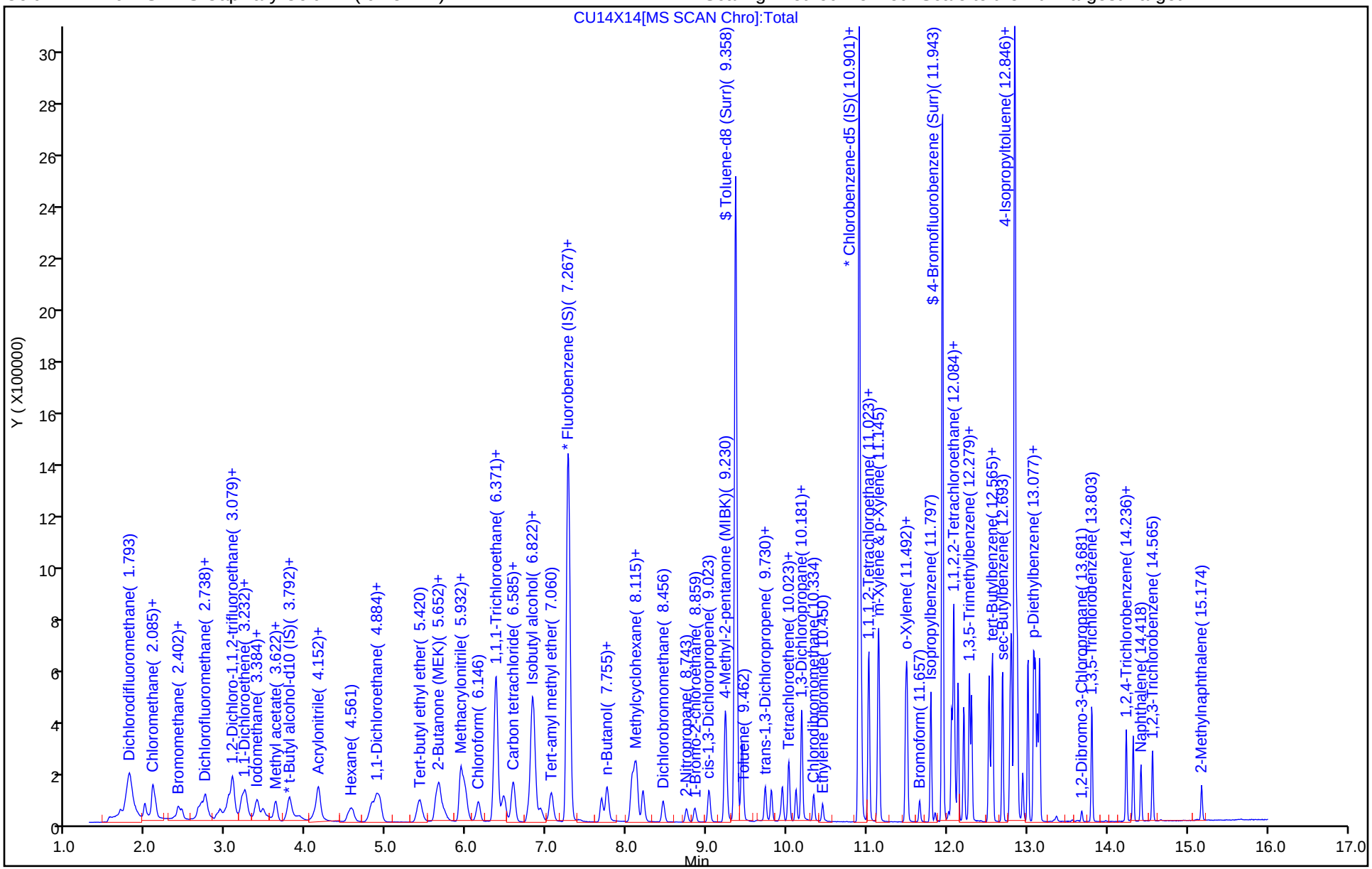
Report Date: 17-Jun-2024 19:28:44 Chrom Revision: 2.3 03-Jun-2024 20:58:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X14.D

Injection Date:	14-Jun-2024 23:14:30	Instrument ID:	10193	Operator ID:	MEC29284
Lims ID:	IC std3 1			Worklist Smp#:	15
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

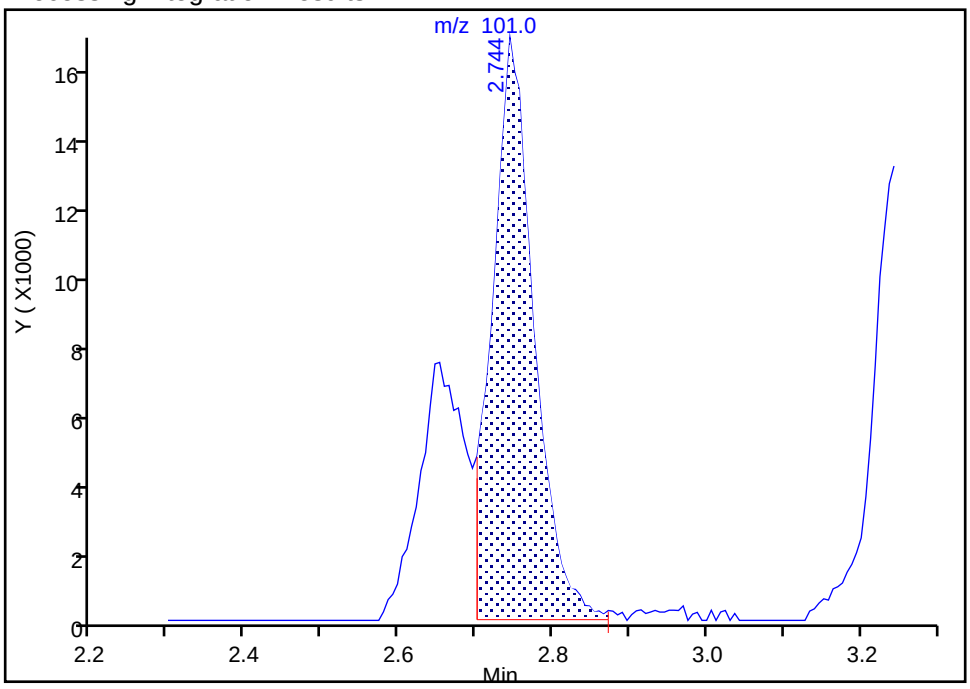
Data File:	\\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X14.D				
Injection Date:	14-Jun-2024 23:14:30	Instrument ID:	10193		
Lims ID:	IC std3 1				
Client ID:					
Operator ID:	MEC29284	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

12 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

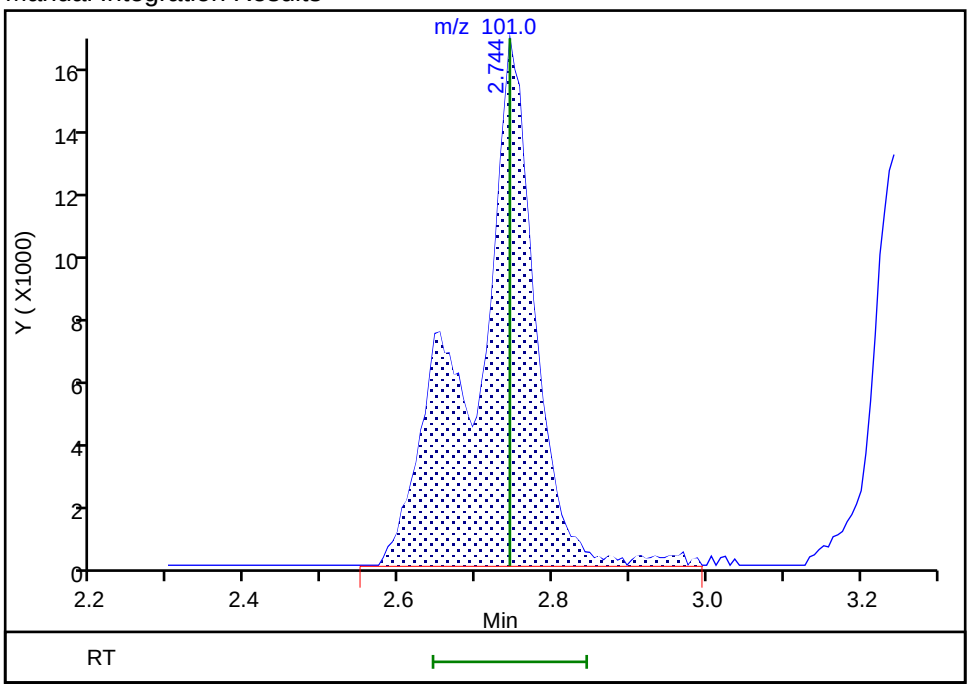
Processing Integration Results

RT: 2.74
Area: 61538
Amount: 0.712073
Amount Units: ug/l



Manual Integration Results

RT: 2.74
Area: 92461
Amount: 0.967253
Amount Units: ug/l



Reviewer: UCB5, 16-Jun-2024 13:29:01 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

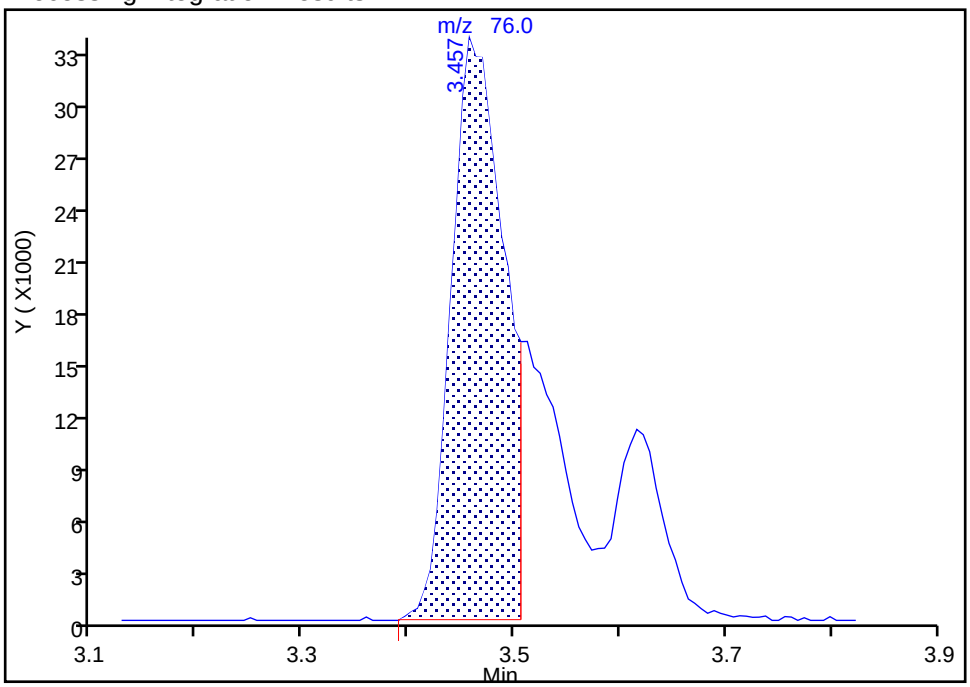
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Injection Date:	14-Jun-2024 23:14:30	Instrument ID:	10193		
Lims ID:	IC std3 1				
Client ID:					
Operator ID:	MEC29284	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

25 Carbon disulfide, CAS: 75-15-0

Signal: 1

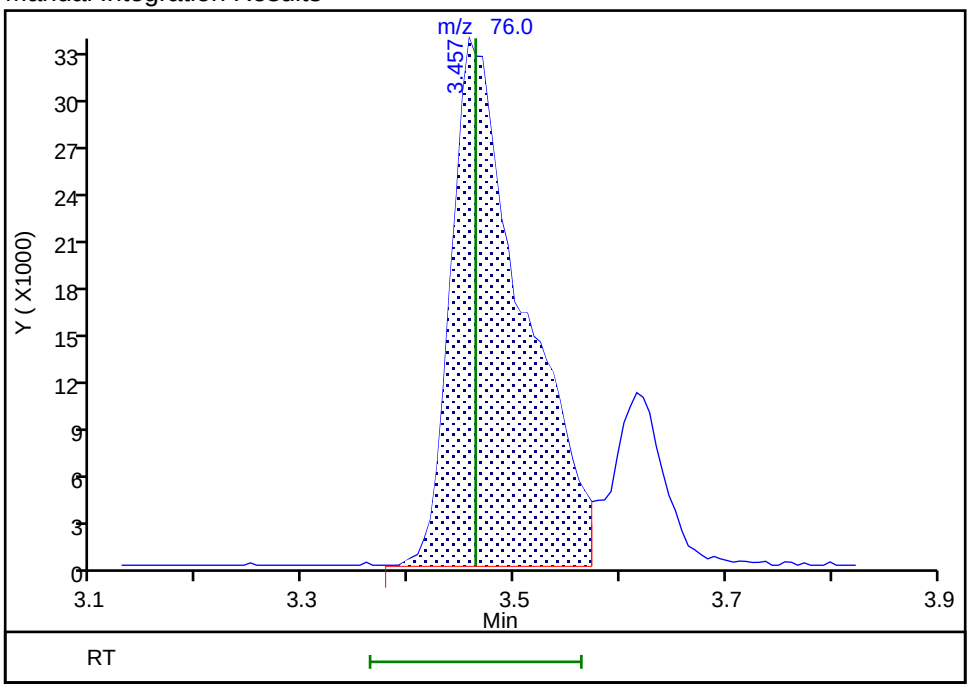
Processing Integration Results

RT: 3.46
Area: 117770
Amount: 0.769520
Amount Units: ug/l



Manual Integration Results

RT: 3.46
Area: 157757
Amount: 0.954664
Amount Units: ug/l



Reviewer: UCB5, 16-Jun-2024 13:29:40 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

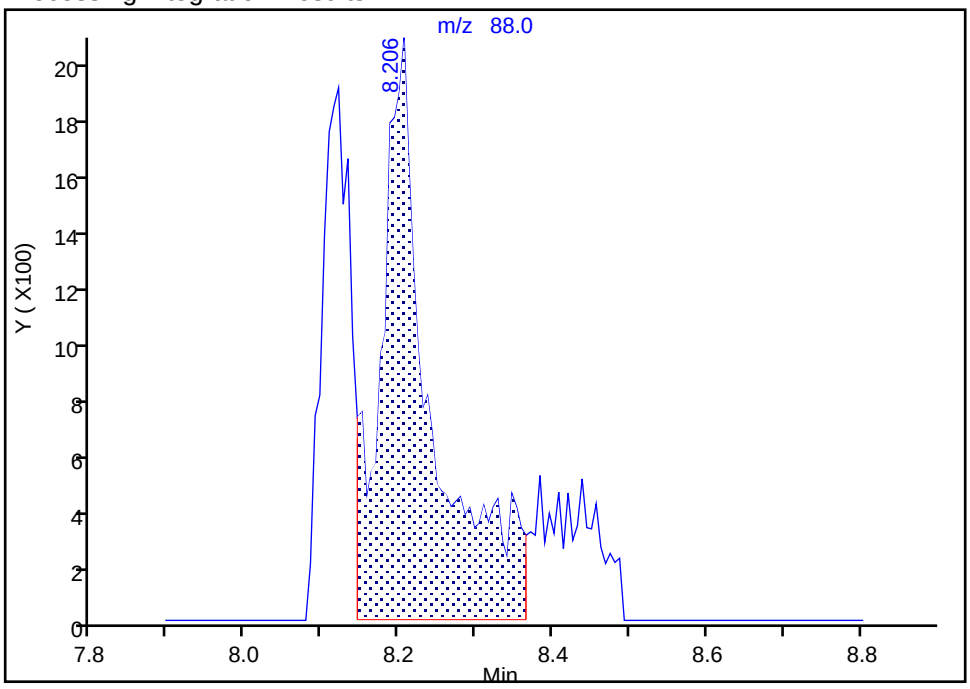
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Injection Date: 14-Jun-2024 23:14:30 Instrument ID: 10193
Lims ID: IC std3 1
Client ID:
Operator ID: MEC29284 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

74 1,4-Dioxane, CAS: 123-91-1

Signal: 1

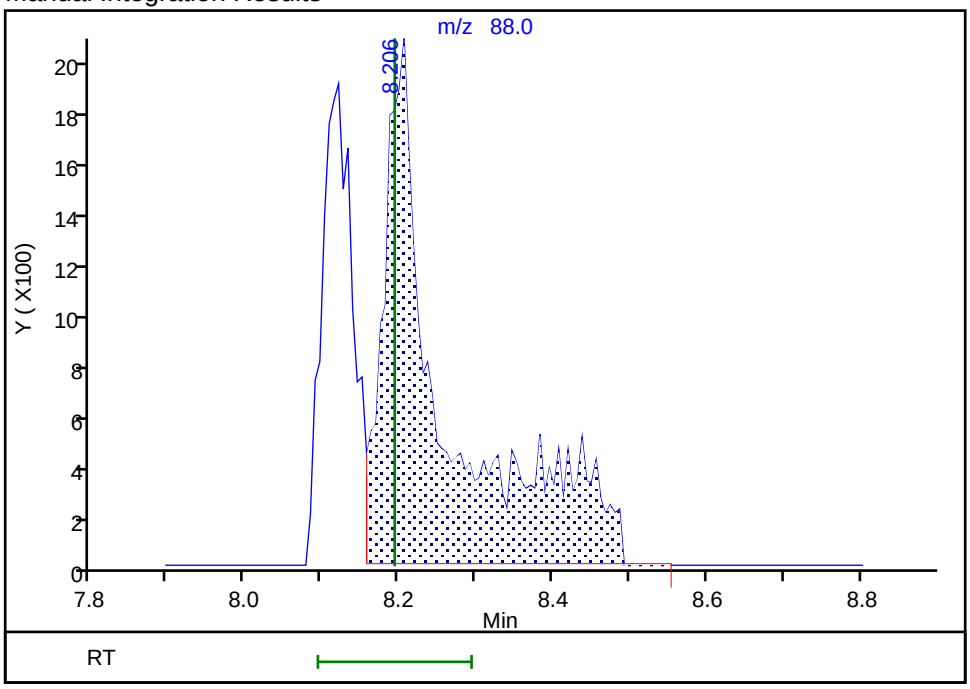
Processing Integration Results

RT: 8.21
Area: 9712
Amount: 43.667535
Amount Units: ug/l



Manual Integration Results

RT: 8.21
Area: 11418
Amount: 54.370884
Amount Units: ug/l



Reviewer: UCB5, 16-Jun-2024 13:31:55 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

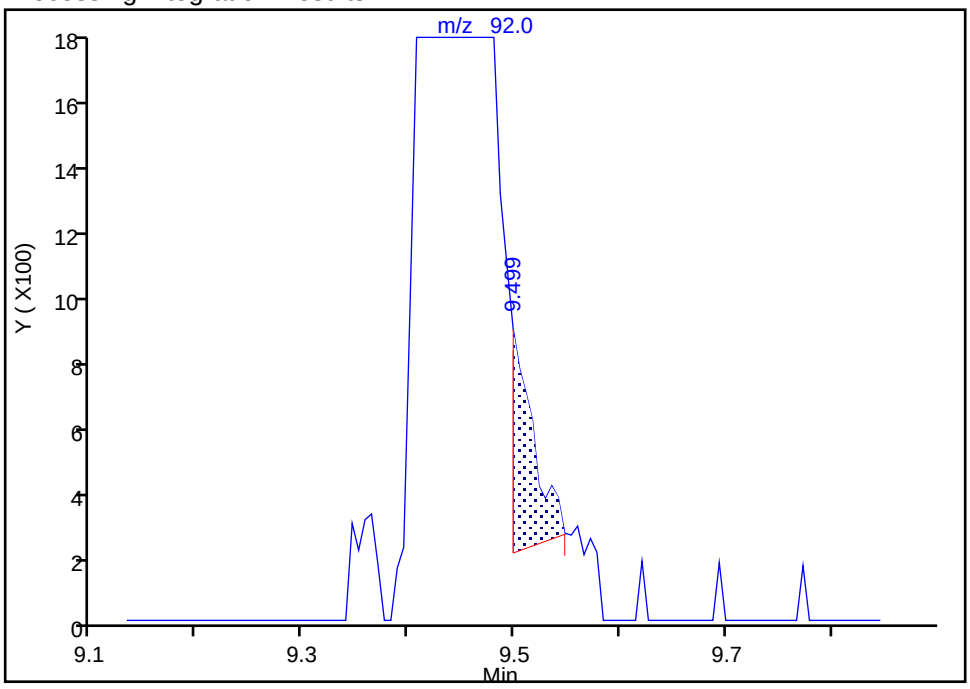
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Injection Date:	14-Jun-2024 23:14:30	Instrument ID:	10193		
Lims ID:	IC std3 1				
Client ID:					
Operator ID:	MEC29284	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

84 Toluene, CAS: 108-88-3

Signal: 1

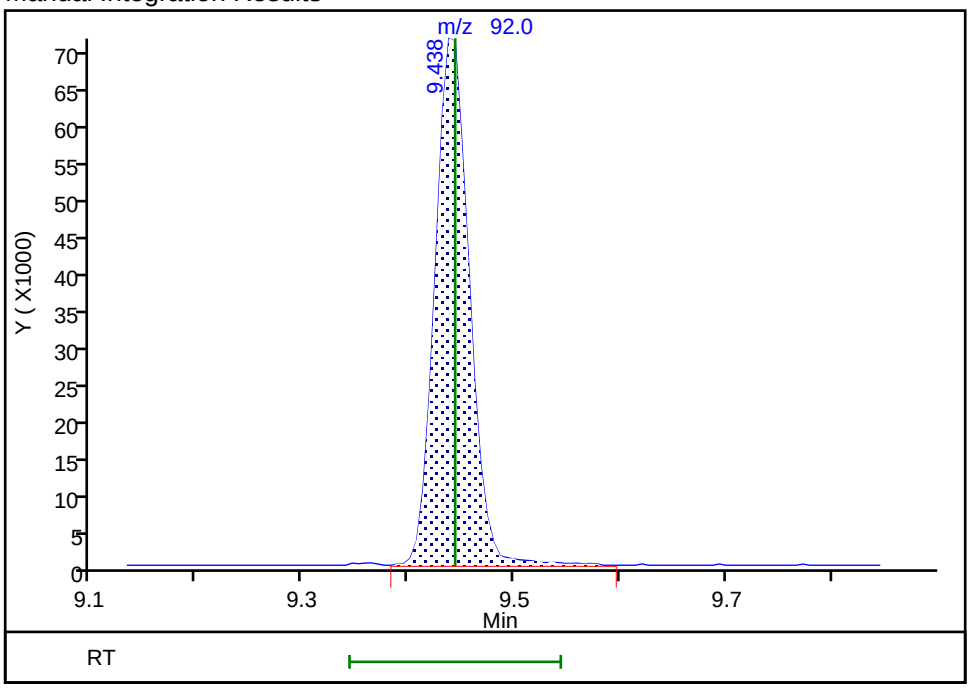
Processing Integration Results

RT: 9.50
Area: 959
Amount: 0.006705
Amount Units: ug/l



Manual Integration Results

RT: 9.44
Area: 162487
Amount: 0.978276
Amount Units: ug/l



Reviewer: UCB5, 16-Jun-2024 13:32:23 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

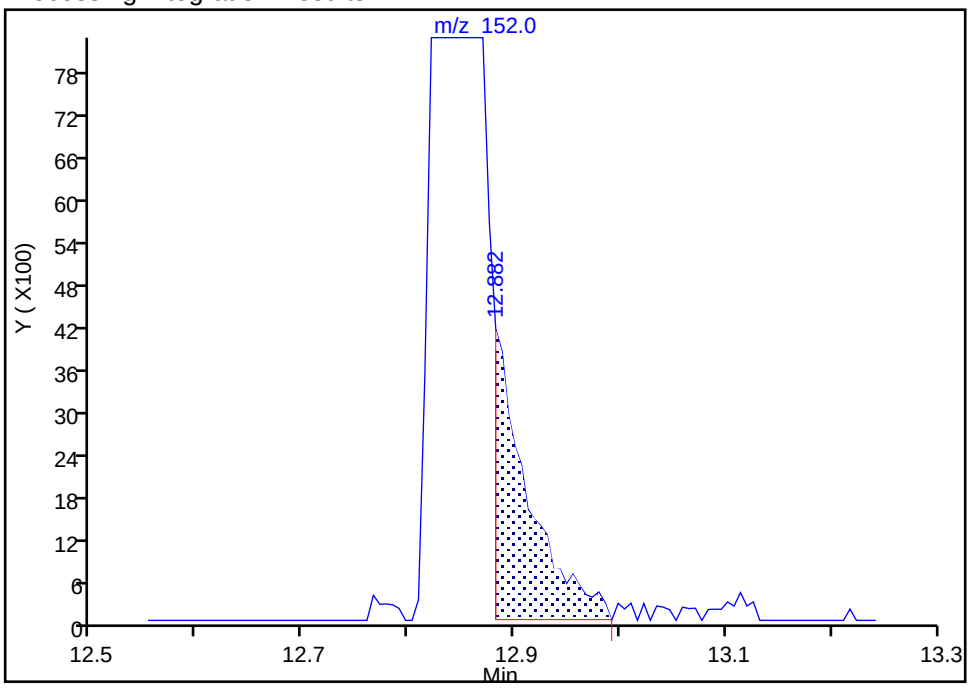
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Injection Date: 14-Jun-2024 23:14:30 Instrument ID: 10193
Lims ID: IC std3 1
Client ID:
Operator ID: MEC29284 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

* 139 1,4-Dichlorobenzene-d4, CAS: 3855-82-1

Signal: 1

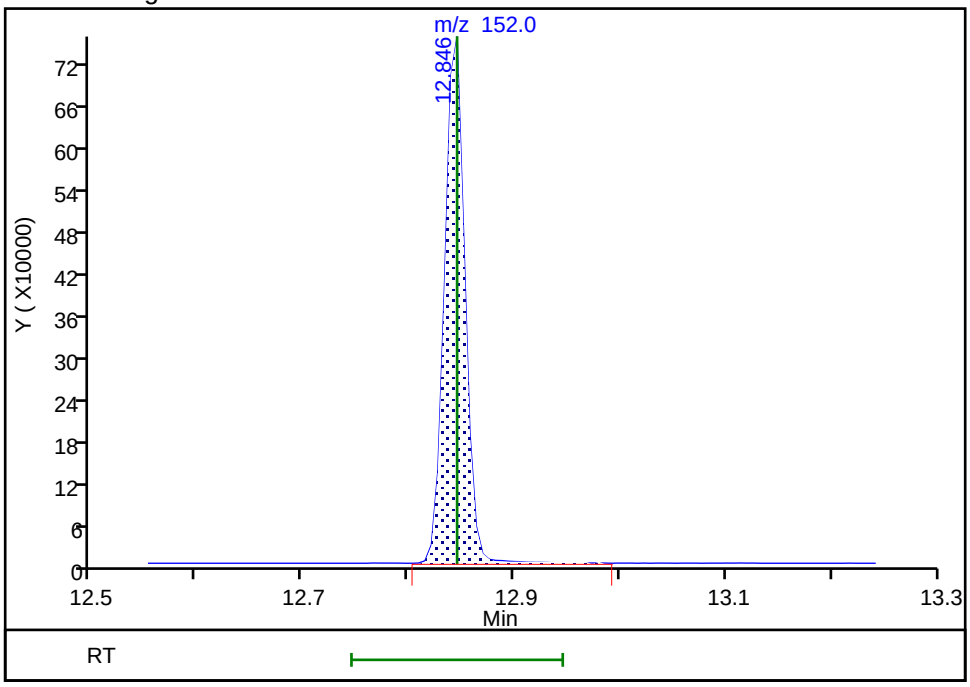
Processing Integration Results

RT: 12.88
Area: 9367
Amount: 10.000000
Amount Units: ug/l



Manual Integration Results

RT: 12.85
Area: 1014032
Amount: 10.000000
Amount Units: ug/l



Reviewer: UCB5, 16-Jun-2024 13:33:43 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X15.D
Lims ID: IC std4 2
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 14-Jun-2024 23:36:30 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0116724-016
Misc. Info.: IC STD2 LG
Operator ID: MEC29284 Instrument ID: 10193
Sublist: chrom-MSV_10193_25mL*sub1

Method: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 17-Jun-2024 19:28:48 Calib Date: 15-Jun-2024 00:45:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1606

First Level Reviewer: UCB5 Date: 16-Jun-2024 13:39:45

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.799	1.799	0.000	99	144773	2.00	1.97	
5 Chloromethane	50	1.988	1.982	0.006	99	171285	2.00	2.06	
6 Vinyl chloride	62	2.085	2.085	0.000	98	168879	2.00	2.06	
7 Butadiene	39	2.085	2.085	0.000	91	176166	2.00	2.01	
9 Bromomethane	94	2.402	2.396	0.006	89	116580	2.00	2.02	M
10 Chloroethane	64	2.445	2.445	0.000	100	95383	2.00	2.03	
11 Dichlorofluoromethane	67	2.689	2.689	0.000	97	250225	2.00	2.06	
13 Pentane	43	2.738	2.738	0.000	97	157282	2.00	1.93	
12 Trichlorofluoromethane	101	2.744	2.744	0.000	98	194248	2.00	2.04	M
14 Ethyl ether	59	2.927	2.921	0.006	89	85154	2.00	1.98	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.018	3.018	0.000	90	139224	2.00	1.99	
17 Acrolein	56	3.079	3.073	0.006	99	660165	100.2	104.3	
18 1,1-Dichloroethene	96	3.201	3.195	0.006	97	101463	2.00	2.00	
20 Acetone	43	3.225	3.219	0.006	100	158143	20.0	19.4	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.244	3.244	0.000	89	104154	2.00	2.00	
24 Isopropyl alcohol	45	3.378	3.366	0.012	42	70393	40.0	42.0	
22 Iodomethane	142	3.372	3.372	0.000	97	213794	2.00	2.02	
23 Ethyl bromide	108	3.390	3.396	-0.006	97	91587	2.00	1.98	
25 Carbon disulfide	76	3.463	3.463	0.000	99	335862	2.00	2.04	M
26 Methyl acetate	43	3.591	3.585	0.006	52	47717	2.00	2.04	
29 3-Chloro-1-propene	41	3.622	3.616	0.006	91	170737	2.00	2.03	
30 Methylene Chloride	84	3.780	3.786	-0.006	92	115124	2.00	1.90	
* 31 t-Butyl alcohol-d10 (IS)	65	3.799	3.792	0.007	96	164311	50.0	50.0	
32 2-Methyl-2-propanol	59	3.914	3.908	0.006	99	135456	40.0	42.6	
33 Acrylonitrile	53	4.097	4.091	0.006	99	62467	5.00	5.25	
35 trans-1,2-Dichloroethene	96	4.152	4.146	0.006	99	122631	2.00	2.03	
34 Methyl tert-butyl ether	73	4.146	4.146	0.000	90	303566	2.00	1.96	
36 Hexane	57	4.567	4.561	0.006	91	154924	2.00	1.97	
37 1,1-Dichloroethane	63	4.804	4.804	0.000	95	208917	2.00	2.01	
39 Isopropyl ether	45	4.871	4.871	0.000	94	366516	2.00	1.98	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 2-Chloro-1,3-butadiene	53	4.914	4.914	0.000	89	173359	2.00	2.01	
41 Tert-butyl ethyl ether	59	5.414	5.414	0.000	97	353608	2.00	1.95	
42 2-Butanone (MEK)	43	5.621	5.615	0.006	99	317542	20.0	21.2	
43 cis-1,2-Dichloroethene	96	5.652	5.652	0.000	80	136749	2.00	2.01	
44 2,2-Dichloropropane	77	5.664	5.670	-0.006	86	174661	2.00	2.03	
45 Propionitrile	54	5.719	5.719	0.000	99	174466	40.0	43.2	
47 Methacrylonitrile	67	5.926	5.926	0.000	91	311440	20.0	21.1	
49 Tetrahydrofuran	71	5.993	5.981	0.012	91	47576	10.0	10.2	
48 Chlorobromomethane	128	5.987	5.987	0.000	91	62213	2.00	1.98	
50 Chloroform	83	6.152	6.146	0.006	93	214097	2.00	1.94	
S 52 1,2-Dichloroethene, Total	100				0			4.04	
$ 54 Dibromofluoromethane (Surr)	113	6.365	6.365	0.000	94	535995	10.0	9.98	
53 1,1,1-Trichloroethane	97	6.371	6.371	0.000	52	185171	2.00	2.01	
55 Cyclohexane	56	6.463	6.463	0.000	89	192345	2.00	1.96	
57 1,1-Dichloropropene	75	6.585	6.585	0.001	96	166607	2.00	2.02	
56 Carbon tetrachloride	117	6.585	6.585	0.001	96	166872	2.00	2.00	
58 Isobutyl alcohol	41	6.774	6.780	-0.006	93	121374	100.0	106.5	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.828	6.822	0.006	99	112037	10.0	10.2	
60 Benzene	78	6.847	6.853	-0.006	95	497277	2.00	2.01	
61 1,2-Dichloroethane	62	6.926	6.926	0.000	97	123070	2.00	1.95	
64 Tert-amyl methyl ether	73	7.060	7.060	0.000	98	330886	2.00	1.96	
* 65 Fluorobenzene (IS)	96	7.267	7.267	0.000	99	2217927	10.0	10.0	
66 n-Heptane	43	7.286	7.286	0.000	92	162254	2.00	1.99	
67 n-Butanol	56	7.688	7.682	0.006	87	189838	175.0	181.2	
68 Trichloroethene	95	7.749	7.755	-0.006	96	136090	2.00	2.00	
69 Methylcyclohexane	83	8.066	8.066	0.000	89	212655	2.00	1.95	
70 1,2-Dichloropropane	63	8.096	8.096	0.000	97	125217	2.00	1.98	
71 2-ethoxy-2-methyl butane	87	8.121	8.127	-0.006	94	202214	2.00	1.96	
74 1,4-Dioxane	88	8.200	8.194	0.006	33	21664	100.0	105.4	M
73 Methyl methacrylate	69	8.200	8.200	0.000	91	62707	2.00	2.02	
72 Dibromomethane	93	8.206	8.206	0.000	92	62717	2.00	1.94	
76 Dichlorobromomethane	83	8.456	8.456	0.000	99	151383	2.00	1.98	
77 2-Nitropropane	41	8.749	8.743	0.006	98	87676	10.0	10.5	
78 1-Bromo-2-chloroethane	63	8.852	8.846	0.006	98	123337	2.00	1.99	
80 cis-1,3-Dichloropropene	75	9.029	9.029	0.000	97	196295	2.00	1.98	
82 4-Methyl-2-pentanone (MIBK)	43	9.230	9.230	0.000	96	796236	20.0	20.8	
$ 83 Toluene-d8 (Surr)	98	9.358	9.358	0.000	93	2236758	10.0	10.0	
84 Toluene	92	9.438	9.444	-0.006	98	334619	2.00	2.02	
85 trans-1,3-Dichloropropene	75	9.730	9.730	0.000	91	163679	2.00	1.94	
86 Ethyl methacrylate	69	9.803	9.803	0.000	89	141167	2.00	1.96	
87 1,1,2-Trichloroethane	97	9.944	9.944	0.000	90	93498	2.00	1.95	
88 Tetrachloroethene	166	10.023	10.023	0.000	97	168026	2.00	2.05	
S 107 1,3-Dichloropropene, Total	100				0			3.93	
89 1,3-Dichloropropane	76	10.114	10.114	0.000	89	155118	2.00	1.95	
106 2-Hexanone	43	10.181	10.181	0.000	95	582286	20.0	21.0	
108 Chlorodibromomethane	129	10.334	10.334	0.000	90	119035	2.00	1.94	
110 Ethylene Dibromide	107	10.444	10.444	0.000	99	91926	2.00	1.94	
* 111 Chlorobenzene-d5 (IS)	117	10.901	10.901	0.000	84	1740765	10.0	10.0	
112 1-Chlorohexane	91	10.919	10.919	0.000	96	190414	2.00	1.96	
113 Chlorobenzene	112	10.925	10.925	0.000	98	402700	2.00	2.04	
114 1,1,1,2-Tetrachloroethane	131	11.017	11.017	0.000	96	138133	2.00	1.98	
115 Ethylbenzene	91	11.023	11.023	0.000	98	668127	2.00	2.06	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
116 m-Xylene & p-Xylene	106	11.145	11.145	0.000	97	547925	4.00	4.12	
S 117 Xylenes, Total	106				0			6.13	
118 o-Xylene	106	11.486	11.486	0.000	95	263830	2.00	2.01	
119 Styrene	104	11.498	11.498	0.000	94	445685	2.00	2.05	
120 Bromoform	173	11.657	11.657	0.000	98	75560	2.00	1.91	
121 Isopropylbenzene	105	11.797	11.797	0.000	95	638140	2.00	2.05	
$ 124 4-Bromofluorobenzene (Surr)	95	11.937	11.943	-0.006	94	835919	10.0	9.97	
126 1,1,2,2-Tetrachloroethane	83	12.053	12.053	0.000	74	115336	2.00	1.97	
125 Bromobenzene	156	12.053	12.059	-0.006	89	181597	2.00	2.06	
127 trans-1,4-Dichloro-2-butene	53	12.083	12.083	0.000	91	268439	20.0	19.5	
128 1,2,3-Trichloropropane	110	12.096	12.096	0.000	77	31832	2.00	1.96	
129 N-Propylbenzene	91	12.132	12.138	-0.006	98	799380	2.00	2.11	
130 2-Chlorotoluene	126	12.205	12.211	-0.006	98	179328	2.00	2.11	
131 1,3,5-Trimethylbenzene	105	12.279	12.279	0.000	94	585230	2.00	2.07	
132 4-Chlorotoluene	126	12.303	12.303	0.000	96	190563	2.00	2.15	
133 tert-Butylbenzene	134	12.522	12.522	0.000	92	142756	2.00	2.10	
134 Pentachloroethane	167	12.553	12.553	0.000	90	101387	2.00	1.99	
135 1,2,4-Trimethylbenzene	105	12.565	12.565	0.000	96	605865	2.00	2.07	
136 sec-Butylbenzene	105	12.693	12.693	0.000	93	758593	2.00	2.08	
137 1,3-Dichlorobenzene	146	12.785	12.785	0.000	98	371643	2.00	2.13	
138 4-Isopropyltoluene	119	12.803	12.803	0.000	97	690140	2.00	2.10	
* 139 1,4-Dichlorobenzene-d4	152	12.846	12.846	0.000	93	1002844	10.0	10.0	
140 1,4-Dichlorobenzene	146	12.864	12.864	0.000	96	384186	2.00	2.15	
141 1,2,3-Trimethylbenzene	120	12.876	12.876	0.000	98	279095	2.00	2.07	
142 Benzyl chloride	126	12.943	12.943	0.000	98	51961	2.00	1.94	
145 p-Diethylbenzene	119	13.077	13.083	-0.006	96	434479	2.00	2.12	
143 n-Butylbenzene	92	13.102	13.102	0.000	97	335145	2.00	2.12	
144 1,2-Dichlorobenzene	146	13.126	13.126	0.000	99	334153	2.00	2.10	
148 1,2-Dibromo-3-Chloropropane	155	13.681	13.681	0.000	91	18306	2.00	1.89	
149 1,3,5-Trichlorobenzene	180	13.809	13.803	0.006	98	297617	2.00	2.20	
150 1,2,4-Trichlorobenzene	180	14.236	14.235	0.001	94	245810	2.00	2.24	
151 Hexachlorobutadiene	225	14.321	14.321	0.000	96	123230	2.00	2.18	
152 Naphthalene	128	14.418	14.418	0.000	96	359265	2.00	2.07	
153 1,2,3-Trichlorobenzene	180	14.565	14.565	0.000	96	187998	2.00	2.20	
154 2-Methylnaphthalene	142	15.174	15.174	0.000	92	160681	2.00	2.09	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_#1_826_00133	Amount Added:	2.00	Units: uL	
MSV_LL_#2_826_00140	Amount Added:	2.00	Units: uL	
MSV_LL_GAS826_00214	Amount Added:	2.00	Units: uL	
MSV_HP25_ISSS_00090	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 17-Jun-2024 19:28:49 Chrom Revision: 2.3 03-Jun-2024 20:58:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X15.D

Injection Date: 14-Jun-2024 23:36:30 Instrument ID: 10193 Operator ID: MEC29284

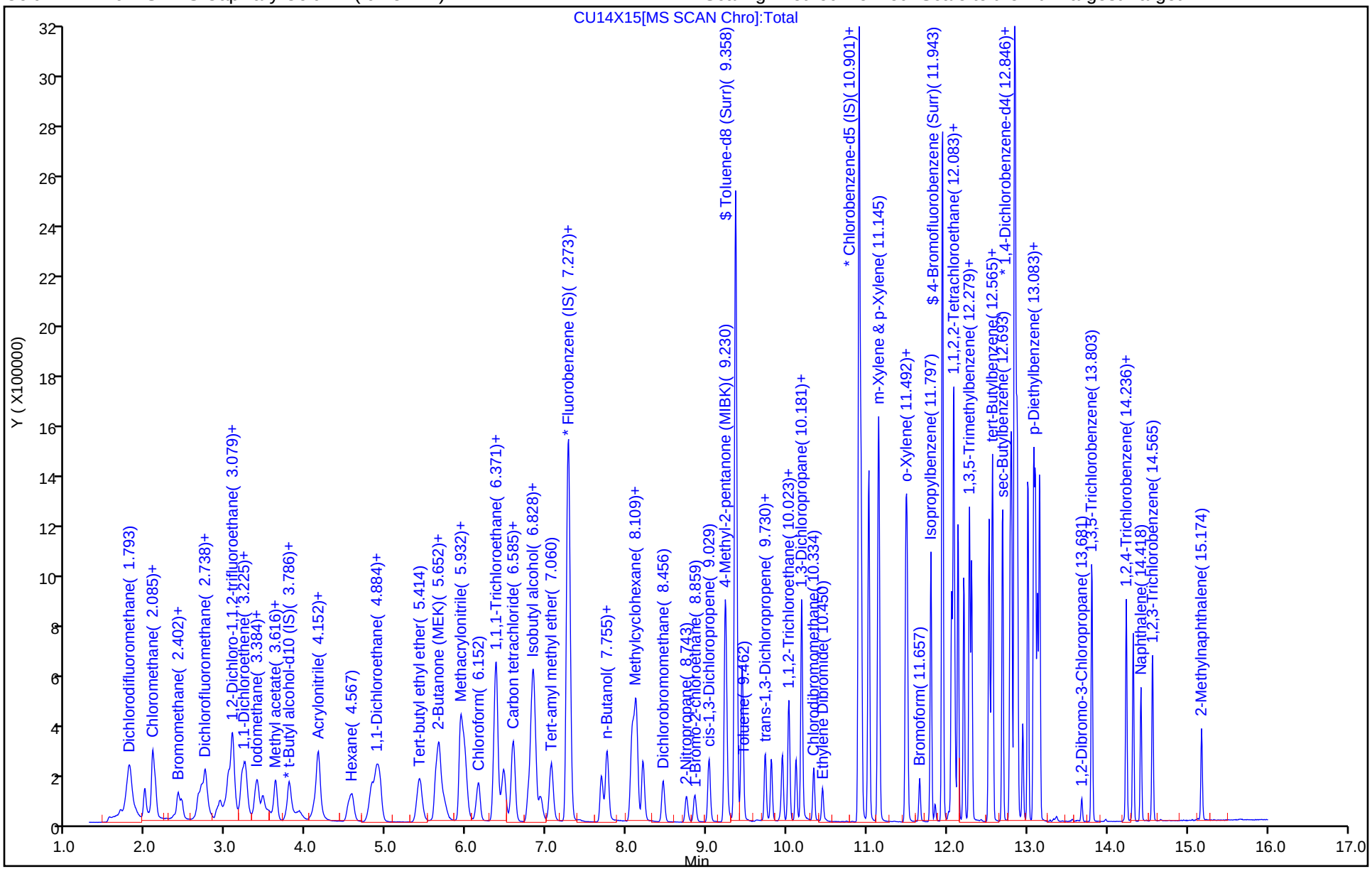
Lims ID: IC std4 2 Worklist Smp#: 16

Client ID:

Purge Vol: 25.000 mL Dil. Factor: 1.0000 ALS Bottle#: 15

Method: MSV_10193_25mL Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

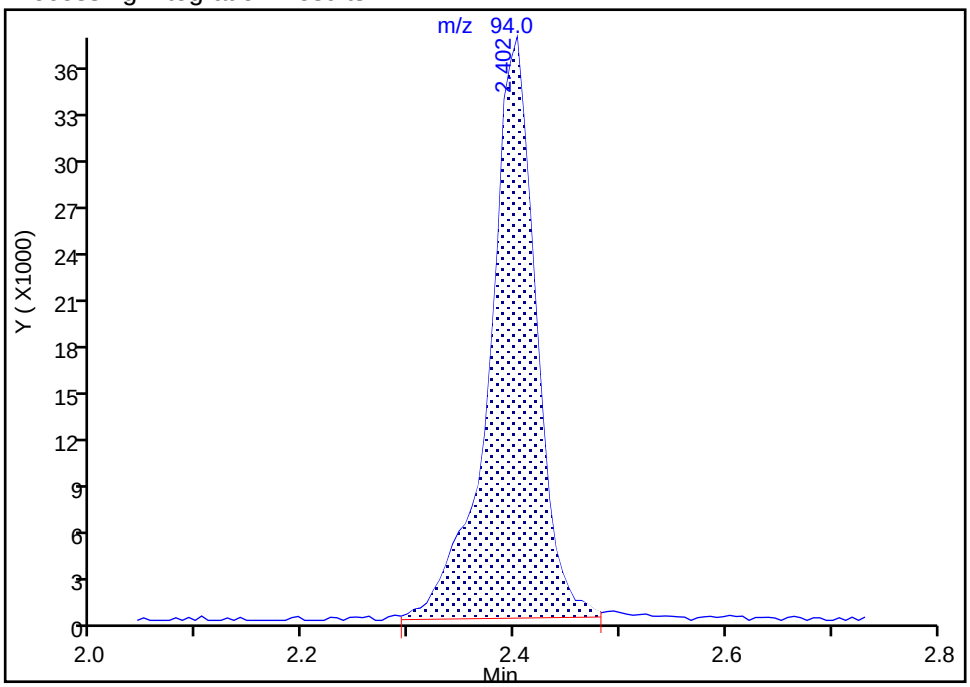
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Injection Date: 14-Jun-2024 23:36:30 Instrument ID: 10193
Lims ID: IC std4 2
Client ID:
Operator ID: MEC29284 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

9 Bromomethane, CAS: 74-83-9

Signal: 1

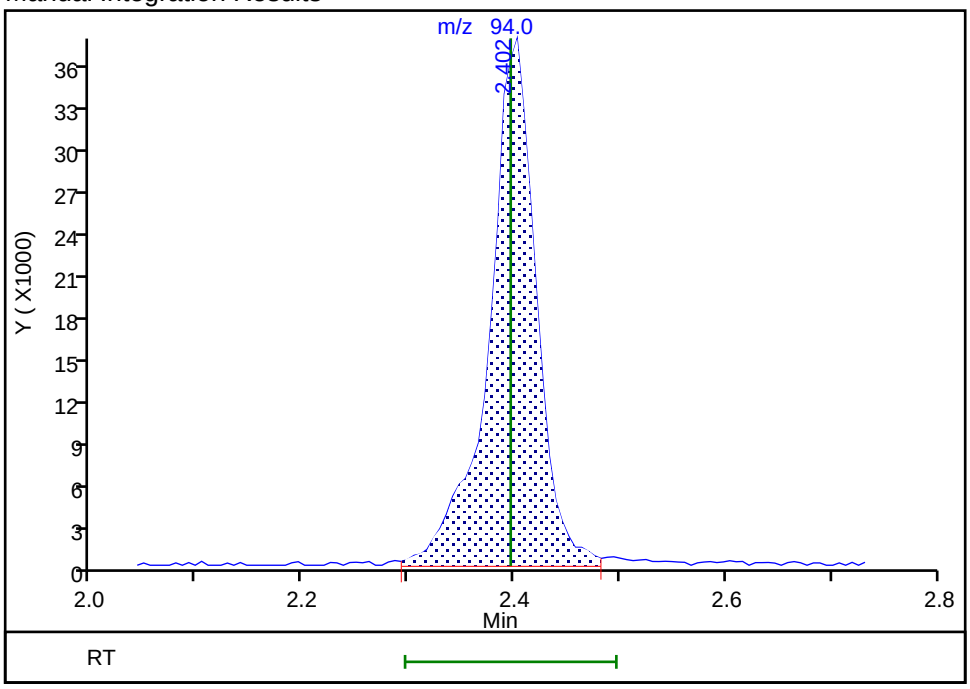
Processing Integration Results

RT: 2.40
Area: 114818
Amount: 1.997776
Amount Units: ug/l



Manual Integration Results

RT: 2.40
Area: 116580
Amount: 2.024001
Amount Units: ug/l



Reviewer: UCB5, 16-Jun-2024 13:34:45 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

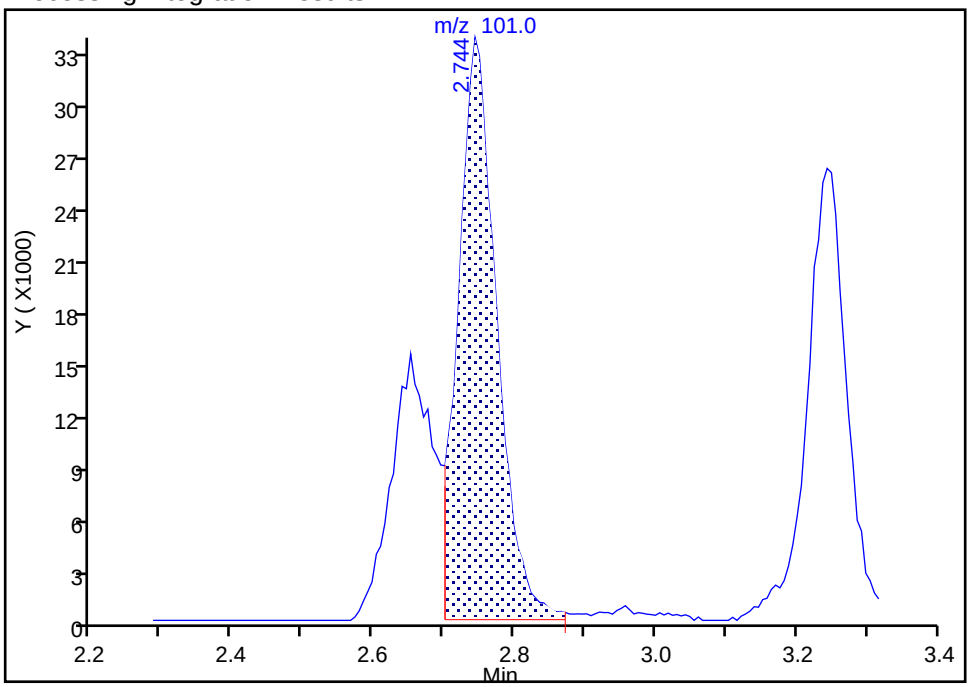
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Injection Date: 14-Jun-2024 23:36:30 Instrument ID: 10193
Lims ID: IC std4 2
Client ID:
Operator ID: MEC29284 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

12 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

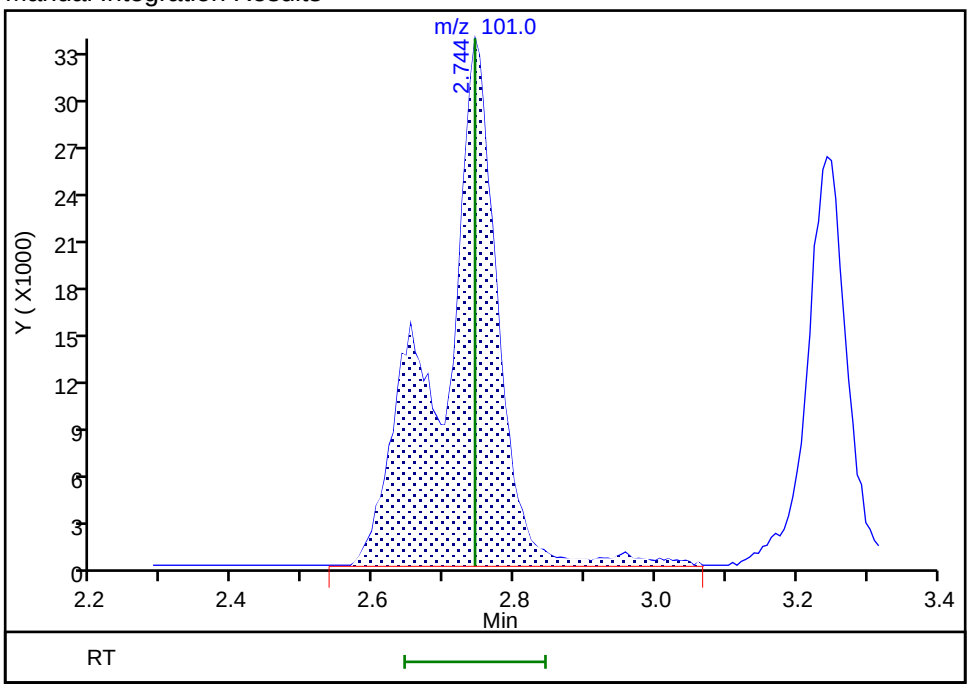
Processing Integration Results

RT: 2.74
Area: 127927
Amount: 1.412926
Amount Units: ug/l



Manual Integration Results

RT: 2.74
Area: 194248
Amount: 2.038756
Amount Units: ug/l



Reviewer: UCB5, 16-Jun-2024 13:35:13 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

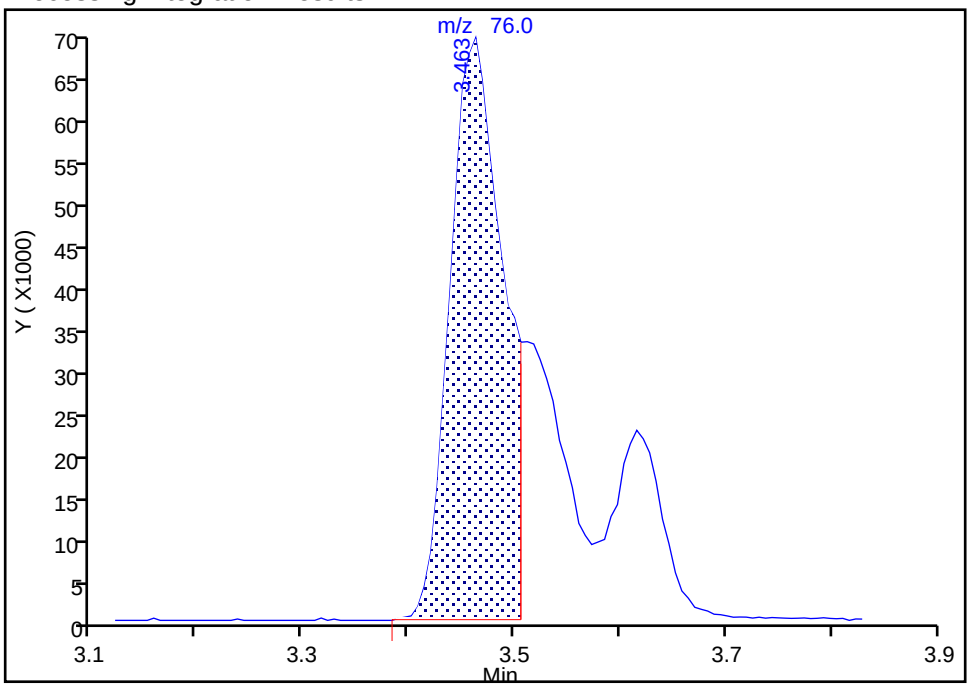
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Injection Date: 14-Jun-2024 23:36:30 Instrument ID: 10193
Lims ID: IC std4 2
Client ID:
Operator ID: MEC29284 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

25 Carbon disulfide, CAS: 75-15-0

Signal: 1

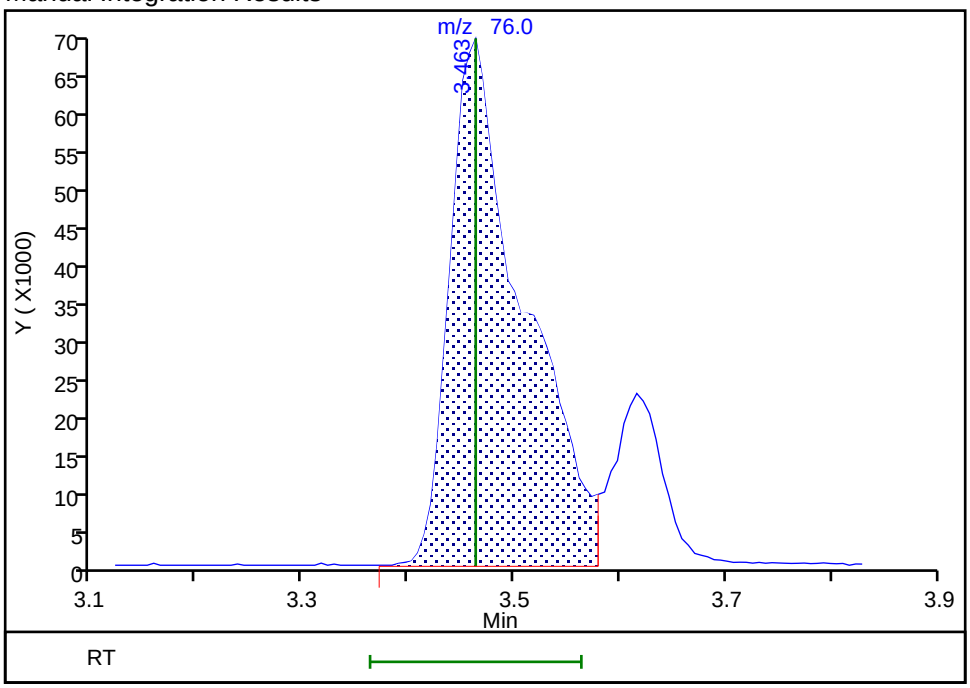
Processing Integration Results

RT: 3.46
Area: 245260
Amount: 1.549973
Amount Units: ug/l



Manual Integration Results

RT: 3.46
Area: 335862
Amount: 2.039153
Amount Units: ug/l



Reviewer: UCB5, 16-Jun-2024 13:36:19 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

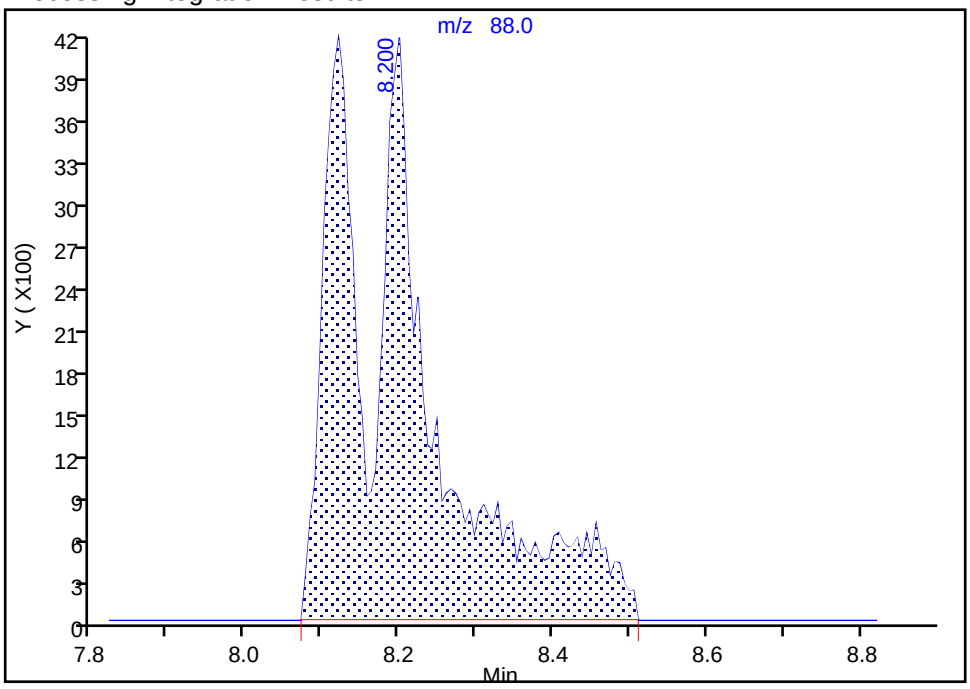
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Injection Date: 14-Jun-2024 23:36:30 Instrument ID: 10193
Lims ID: IC std4 2
Client ID:
Operator ID: MEC29284 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

74 1,4-Dioxane, CAS: 123-91-1

Signal: 1

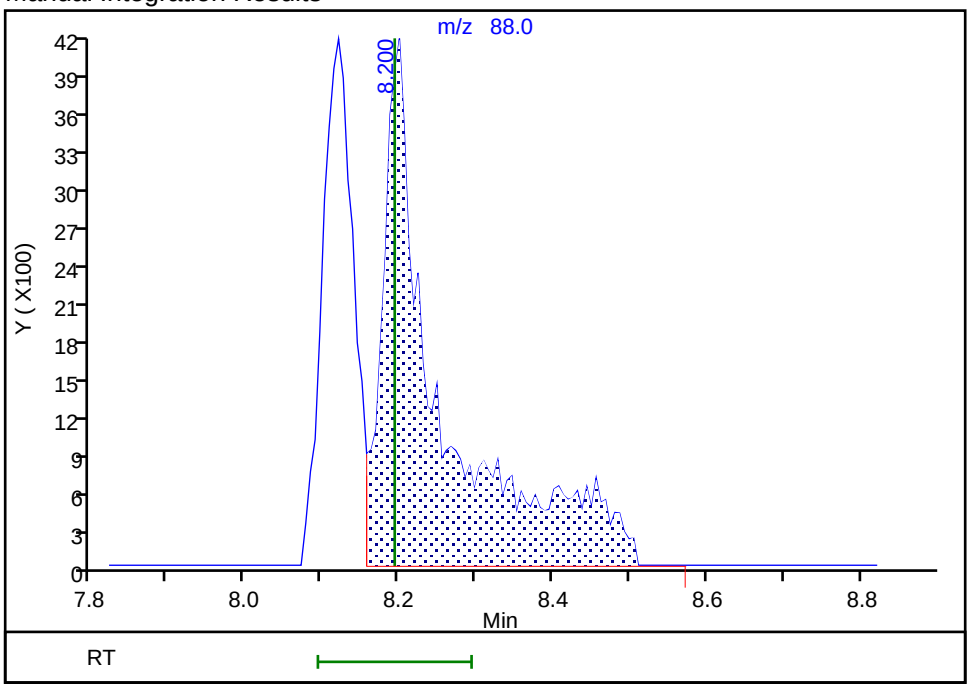
Processing Integration Results

RT: 8.20
Area: 33069
Amount: 148.6420
Amount Units: ug/l



Manual Integration Results

RT: 8.20
Area: 21664
Amount: 105.3903
Amount Units: ug/l



Reviewer: UCB5, 16-Jun-2024 13:38:09 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X16.D
Lims ID: IC std5 5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 14-Jun-2024 23:59:30 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0116724-017
Misc. Info.: IC STD5 LG
Operator ID: MEC29284 Instrument ID: 10193
Sublist: chrom-MSV_10193_25mL*sub1

Method: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 17-Jun-2024 19:28:53 Calib Date: 15-Jun-2024 00:45:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1606

First Level Reviewer: UCB5 Date: 16-Jun-2024 13:44:55

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.799	1.799	0.000	99	368681	5.00	4.93	
5 Chloromethane	50	1.988	1.982	0.006	99	407831	5.00	4.83	
6 Vinyl chloride	62	2.086	2.085	0.001	98	403385	5.00	4.86	
7 Butadiene	39	2.086	2.085	0.001	82	429588	5.00	4.84	
9 Bromomethane	94	2.403	2.396	0.007	90	276953	5.00	4.74	
10 Chloroethane	64	2.445	2.445	0.000	100	232235	5.00	4.88	
11 Dichlorofluoromethane	67	2.695	2.689	0.006	97	604485	5.00	4.90	
13 Pentane	43	2.738	2.738	0.000	97	398397	5.00	4.83	
12 Trichlorofluoromethane	101	2.750	2.744	0.006	98	470564	5.00	4.87	
14 Ethyl ether	59	2.921	2.921	0.000	91	214368	5.00	4.91	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.018	3.018	0.000	91	342676	5.00	4.82	
17 Acrolein	56	3.079	3.073	0.006	100	1691591	250.5	242.8	
18 1,1-Dichloroethene	96	3.201	3.195	0.006	97	243926	5.00	4.74	
20 Acetone	43	3.232	3.219	0.013	100	420322	50.0	46.9	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.244	3.244	0.000	90	266684	5.00	5.04	
24 Isopropyl alcohol	45	3.384	3.366	0.018	69	167857	100.0	91.1	
22 Iodomethane	142	3.378	3.372	0.006	97	527337	5.00	4.92	
23 Ethyl bromide	108	3.402	3.396	0.006	98	230787	5.01	4.92	
25 Carbon disulfide	76	3.463	3.463	0.000	99	824689	5.00	4.93	
26 Methyl acetate	43	3.597	3.585	0.012	96	124256	5.00	4.83	
29 3-Chloro-1-propene	41	3.622	3.616	0.006	93	420870	5.00	4.92	
30 Methylene Chloride	84	3.786	3.786	0.000	92	287772	5.00	4.69	
* 31 t-Butyl alcohol-d10 (IS)	65	3.793	3.792	0.001	96	180780	50.0	50.0	
32 2-Methyl-2-propanol	59	3.914	3.908	0.006	100	308310	100.0	88.2	
33 Acrylonitrile	53	4.091	4.091	0.000	98	142694	12.5	10.9	
35 trans-1,2-Dichloroethene	96	4.152	4.146	0.006	99	299762	5.00	4.88	
34 Methyl tert-butyl ether	73	4.152	4.146	0.006	95	761005	5.00	4.84	
36 Hexane	57	4.567	4.561	0.006	91	388303	5.00	4.87	
37 1,1-Dichloroethane	63	4.811	4.804	0.007	96	522243	5.00	4.95	
39 Isopropyl ether	45	4.872	4.871	0.001	94	923885	5.00	4.91	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 2-Chloro-1,3-butadiene	53	4.920	4.914	0.006	89	429652	5.00	4.91	
41 Tert-butyl ethyl ether	59	5.420	5.414	0.006	97	902126	5.00	4.89	
42 2-Butanone (MEK)	43	5.615	5.615	0.000	99	777874	50.0	47.3	
43 cis-1,2-Dichloroethene	96	5.658	5.652	0.006	80	336715	5.00	4.88	
44 2,2-Dichloropropane	77	5.670	5.670	0.000	87	417165	5.00	4.77	
45 Propionitrile	54	5.719	5.719	0.000	99	391243	100.0	88.1	
47 Methacrylonitrile	67	5.932	5.926	0.006	94	782044	50.0	48.1	
49 Tetrahydrofuran	71	5.987	5.981	0.006	87	117062	25.0	22.8	
48 Chlorobromomethane	128	5.987	5.987	0.000	87	157650	5.00	4.95	
50 Chloroform	83	6.152	6.146	0.006	93	526188	5.00	4.71	
S 52 1,2-Dichloroethene, Total	100				0			9.76	
$ 54 Dibromofluoromethane (Surr)	113	6.371	6.365	0.006	94	546017	10.0	10.0	
53 1,1,1-Trichloroethane	97	6.377	6.371	0.006	98	458013	5.00	4.90	
55 Cyclohexane	56	6.463	6.463	0.000	89	495847	5.00	4.98	
57 1,1-Dichloropropene	75	6.585	6.585	0.001	95	410648	5.00	4.92	
56 Carbon tetrachloride	117	6.585	6.585	0.001	96	419280	5.00	4.96	
58 Isobutyl alcohol	41	6.774	6.780	-0.006	95	303451	250.0	242.0	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.822	6.822	0.000	98	111464	10.0	10.0	
60 Benzene	78	6.853	6.853	0.000	97	1219179	5.00	4.86	
61 1,2-Dichloroethane	62	6.926	6.926	0.000	97	315060	5.00	4.92	
64 Tert-amyl methyl ether	73	7.060	7.060	0.000	99	844422	5.00	4.93	
* 65 Fluorobenzene (IS)	96	7.267	7.267	0.000	98	2250394	10.0	10.0	
66 n-Heptane	43	7.286	7.286	0.000	92	416498	5.00	5.03	
67 n-Butanol	56	7.682	7.682	0.000	87	443658	437.5	384.9	
68 Trichloroethene	95	7.755	7.755	0.000	96	336828	5.00	4.87	
69 Methylcyclohexane	83	8.066	8.066	0.000	89	556527	5.00	5.03	
70 1,2-Dichloropropane	63	8.097	8.096	0.001	97	315585	5.00	4.91	
71 2-ethoxy-2-methyl butane	87	8.121	8.127	-0.006	94	517863	5.00	4.96	
74 1,4-Dioxane	88	8.200	8.194	0.006	32	60707	250.0	268.4	M
73 Methyl methacrylate	69	8.200	8.200	0.000	92	159150	5.00	4.67	M
72 Dibromomethane	93	8.206	8.206	0.000	91	164594	5.00	5.03	
76 Dichlorobromomethane	83	8.456	8.456	0.000	100	383196	5.00	4.94	
77 2-Nitropropane	41	8.743	8.743	0.000	98	221451	25.0	24.1	
78 1-Bromo-2-chloroethane	63	8.846	8.846	0.000	98	308503	5.00	4.91	
80 cis-1,3-Dichloropropene	75	9.029	9.029	0.000	97	499072	5.00	4.97	
82 4-Methyl-2-pentanone (MIBK)	43	9.231	9.230	0.001	95	2102012	50.0	50.0	
$ 83 Toluene-d8 (Surr)	98	9.359	9.358	0.001	93	2278729	10.0	10.0	
84 Toluene	92	9.444	9.444	0.000	98	823735	5.00	4.89	
85 trans-1,3-Dichloropropene	75	9.730	9.730	0.000	91	428359	5.00	4.99	
86 Ethyl methacrylate	69	9.804	9.803	0.001	89	366072	5.00	4.98	
87 1,1,2-Trichloroethane	97	9.944	9.944	0.000	89	238660	5.00	4.89	
88 Tetrachloroethene	166	10.023	10.023	0.000	97	412715	5.00	4.93	
S 107 1,3-Dichloropropene, Total	100				0			9.96	
89 1,3-Dichloropropane	76	10.115	10.114	0.000	89	404151	5.00	4.99	
106 2-Hexanone	43	10.182	10.181	0.001	96	1513323	50.0	49.5	
108 Chlorodibromomethane	129	10.334	10.334	0.000	90	312772	5.00	4.99	
110 Ethylene Dibromide	107	10.444	10.444	0.000	99	239760	5.00	4.96	
* 111 Chlorobenzene-d5 (IS)	117	10.901	10.901	0.000	83	1774642	10.0	10.0	
112 1-Chlorohexane	91	10.919	10.919	0.000	96	469345	5.00	4.75	
113 Chlorobenzene	112	10.925	10.925	0.000	97	995166	5.00	4.94	
114 1,1,1,2-Tetrachloroethane	131	11.017	11.017	0.000	96	352771	5.00	4.97	
115 Ethylbenzene	91	11.023	11.023	0.000	98	1622005	5.00	4.90	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
116 m-Xylene & p-Xylene	106	11.145	11.145	0.000	97	1328674	10.0	9.80	
S 117 Xylenes, Total	106				0			14.8	
118 o-Xylene	106	11.486	11.486	0.000	95	661618	5.00	4.95	
119 Styrene	104	11.498	11.498	0.000	95	1102472	5.00	4.98	
120 Bromoform	173	11.657	11.657	0.000	98	198454	5.00	4.91	
121 Isopropylbenzene	105	11.797	11.797	0.000	95	1578257	5.00	4.98	
$ 124 4-Bromofluorobenzene (Surr)	95	11.937	11.943	-0.006	94	863973	10.0	10.1	
126 1,1,2,2-Tetrachloroethane	83	12.053	12.053	0.000	75	303835	5.00	4.97	
125 Bromobenzene	156	12.059	12.059	0.000	88	447526	5.00	4.86	
127 trans-1,4-Dichloro-2-butene	53	12.084	12.083	0.001	90	719949	50.0	50.2	
128 1,2,3-Trichloropropane	110	12.096	12.096	0.000	79	83927	5.00	4.95	
129 N-Propylbenzene	91	12.132	12.138	-0.006	98	1936140	5.00	4.89	
130 2-Chlorotoluene	126	12.212	12.211	0.001	98	431939	5.00	4.87	
131 1,3,5-Trimethylbenzene	105	12.279	12.279	0.000	94	1455579	5.00	4.92	
132 4-Chlorotoluene	126	12.303	12.303	0.000	96	450927	5.00	4.87	
133 tert-Butylbenzene	134	12.523	12.522	0.001	92	344801	5.00	4.85	
134 Pentachloroethane	167	12.553	12.553	0.000	93	268601	5.00	5.04	
135 1,2,4-Trimethylbenzene	105	12.565	12.565	0.000	96	1503820	5.00	4.93	
136 sec-Butylbenzene	105	12.693	12.693	0.000	93	1872383	5.00	4.91	
137 1,3-Dichlorobenzene	146	12.785	12.785	0.000	98	888228	5.00	4.88	
138 4-Isopropyltoluene	119	12.803	12.803	0.000	97	1701451	5.00	4.96	
* 139 1,4-Dichlorobenzene-d4	152	12.846	12.846	0.000	92	1046571	10.0	10.0	
140 1,4-Dichlorobenzene	146	12.864	12.864	0.000	96	905642	5.00	4.87	
141 1,2,3-Trimethylbenzene	120	12.876	12.876	0.000	98	688298	5.00	4.89	
142 Benzyl chloride	126	12.943	12.943	0.000	98	138873	5.00	4.96	
145 p-Diethylbenzene	119	13.083	13.083	0.000	94	1046874	5.00	4.90	
143 n-Butylbenzene	92	13.102	13.102	0.000	97	805142	5.00	4.89	
144 1,2-Dichlorobenzene	146	13.126	13.126	0.000	99	815649	5.00	4.91	
148 1,2-Dibromo-3-Chloropropane	155	13.681	13.681	0.000	91	52067	5.00	5.15	
149 1,3,5-Trichlorobenzene	180	13.809	13.803	0.006	98	695408	5.00	4.93	
150 1,2,4-Trichlorobenzene	180	14.236	14.235	0.001	94	568421	5.00	4.97	
151 Hexachlorobutadiene	225	14.321	14.321	0.000	97	280192	5.00	4.74	
152 Naphthalene	128	14.419	14.418	0.001	96	927395	5.00	5.12	
153 1,2,3-Trichlorobenzene	180	14.565	14.565	0.000	96	446800	5.00	5.01	
154 2-Methylnaphthalene	142	15.174	15.174	0.000	92	405820	5.00	5.06	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_#1_826_00133	Amount Added:	5.00	Units: uL	
MSV_LL_#2_826_00140	Amount Added:	5.00	Units: uL	
MSV_LL_GAS826_00214	Amount Added:	5.00	Units: uL	
MSV_HP25_ISSS_00090	Amount Added:	1.00	Units: uL	Run Reagent

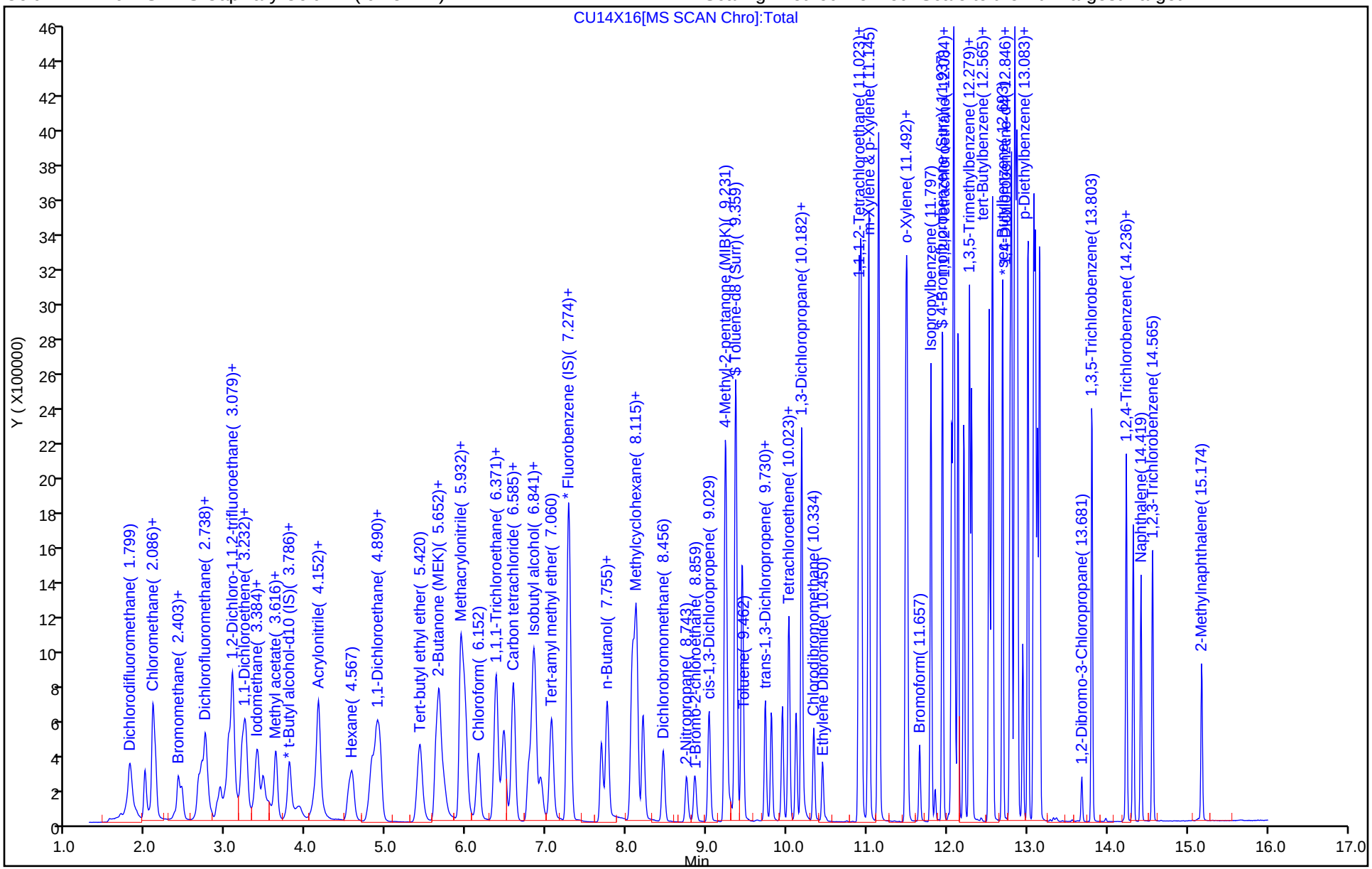
Report Date: 17-Jun-2024 19:28:54 Chrom Revision: 2.3 03-Jun-2024 20:58:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X16.D

Injection Date:	14-Jun-2024 23:59:30	Instrument ID:	10193	Operator ID:	MEC29284
Lims ID:	IC std5 5			Worklist Smp#:	17
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

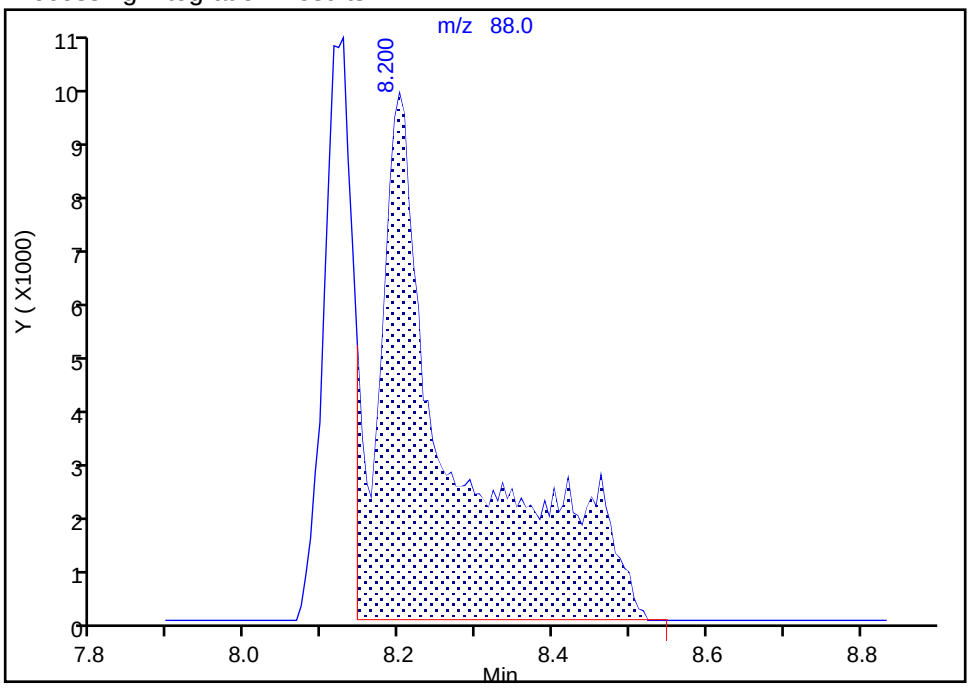
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Injection Date: 14-Jun-2024 23:59:30 Instrument ID: 10193
Lims ID: IC std5 5
Client ID:
Operator ID: MEC29284 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

74 1,4-Dioxane, CAS: 123-91-1

Signal: 1

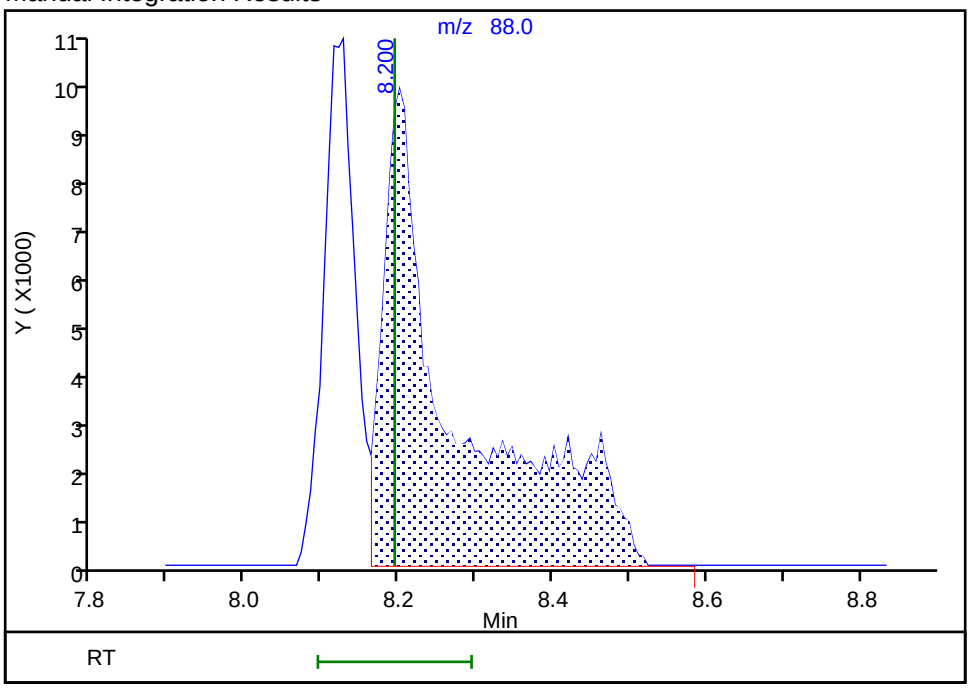
Processing Integration Results

RT: 8.20
Area: 64507
Amount: 284.3636
Amount Units: ug/l



Manual Integration Results

RT: 8.20
Area: 60707
Amount: 268.4214
Amount Units: ug/l



Reviewer: UKEK, 17-Jun-2024 19:19:41 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

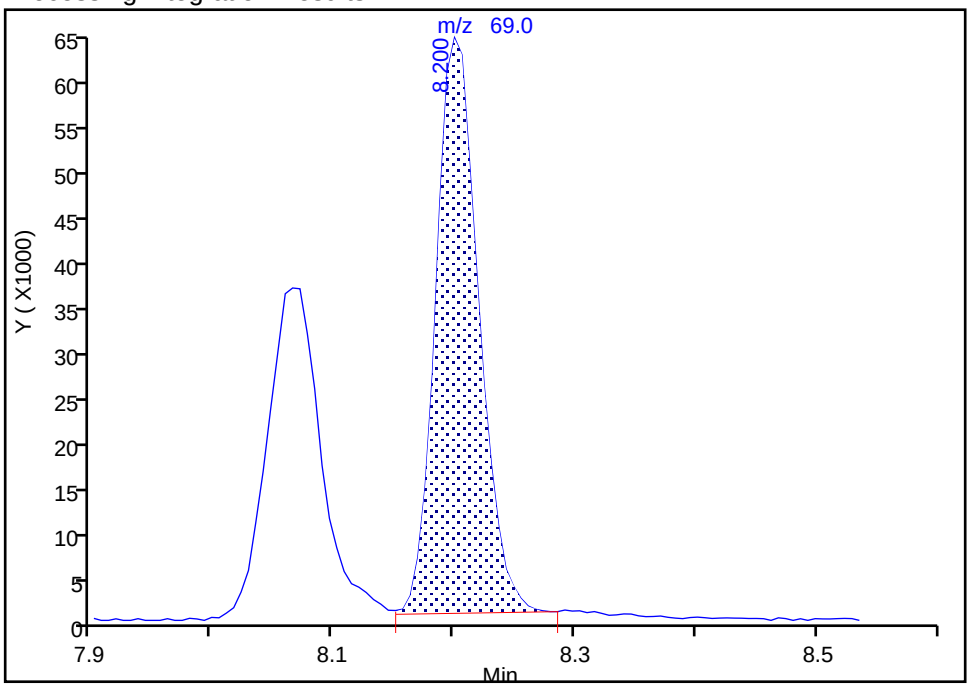
Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X16.D
Injection Date: 14-Jun-2024 23:59:30 Instrument ID: 10193
Lims ID: IC std5 5
Client ID:
Operator ID: MEC29284 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

73 Methyl methacrylate, CAS: 80-62-6

Signal: 1

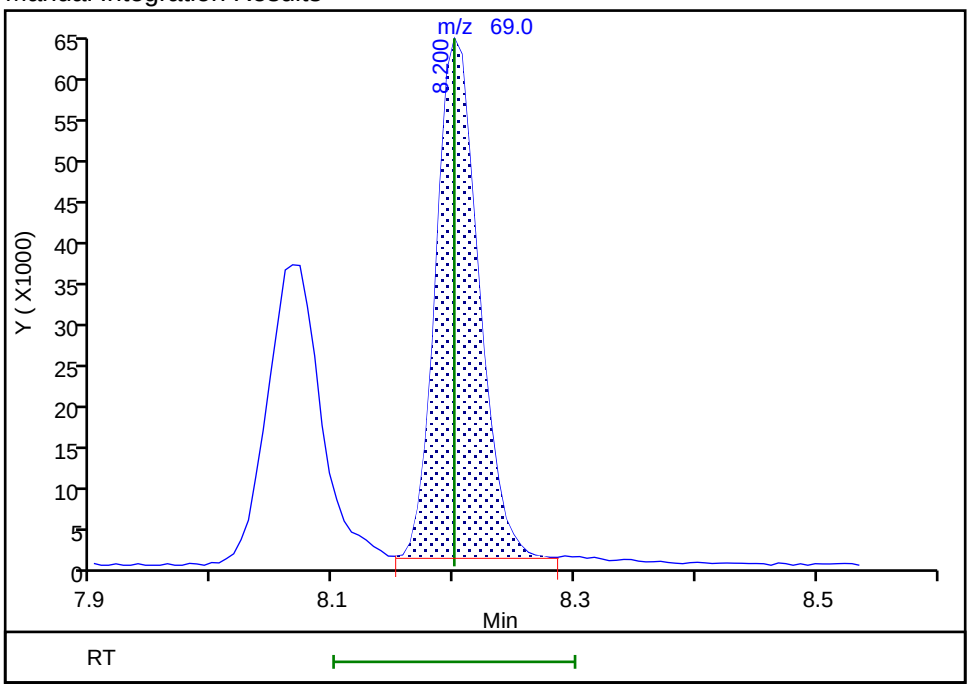
Processing Integration Results

RT: 8.20
Area: 159049
Amount: 4.576438
Amount Units: ug/l



Manual Integration Results

RT: 8.20
Area: 159150
Amount: 4.665995
Amount Units: ug/l



Reviewer: UCB5, 16-Jun-2024 13:43:04 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X17.D
Lims ID: ICIS 10
Client ID:
Sample Type: ICIS Calib Level: 6
Inject. Date: 15-Jun-2024 00:22:30 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0116724-018
Misc. Info.: IC STD10 LG
Operator ID: MEC29284 Instrument ID: 10193
Sublist: chrom-MSV_10193_25mL*sub1

Method: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 17-Jun-2024 19:28:58 Calib Date: 15-Jun-2024 00:45:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1606

First Level Reviewer: DVW2 Date: 16-Jun-2024 08:15:25

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.799	1.799	0.000	99	734237	10.0	9.69	
5 Chloromethane	50	1.982	1.982	0.000	99	809771	10.0	9.46	
6 Vinyl chloride	62	2.085	2.085	0.000	98	808044	10.0	9.59	
7 Butadiene	39	2.085	2.085	0.000	90	862743	10.0	9.58	
9 Bromomethane	94	2.396	2.396	0.000	90	563388	10.0	9.50	
10 Chloroethane	64	2.445	2.445	0.000	100	462351	10.0	9.58	
11 Dichlorofluoromethane	67	2.689	2.689	0.000	97	1222831	10.0	9.78	
13 Pentane	43	2.738	2.738	0.000	97	807696	10.0	9.65	
12 Trichlorofluoromethane	101	2.744	2.744	0.000	99	948084	10.0	9.67	
14 Ethyl ether	59	2.921	2.921	0.000	91	433149	10.0	9.78	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.018	3.018	0.000	91	693949	10.0	9.62	
17 Acrolein	56	3.073	3.073	0.000	100	3768167	501.1	518.2	
18 1,1-Dichloroethene	96	3.195	3.195	0.000	97	491747	10.0	9.42	
20 Acetone	43	3.219	3.219	0.000	100	891438	100.0	95.3	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.244	3.244	0.000	90	532721	10.0	9.92	
24 Isopropyl alcohol	45	3.366	3.366	0.000	43	411663	200.0	213.9	
22 Iodomethane	142	3.372	3.372	0.000	97	1063632	10.0	9.78	
23 Ethyl bromide	108	3.396	3.396	0.000	97	466648	10.0	9.82	
25 Carbon disulfide	76	3.463	3.463	0.000	99	1662162	10.0	9.81	
26 Methyl acetate	43	3.585	3.585	0.000	96	259596	10.0	9.66	
29 3-Chloro-1-propene	41	3.616	3.616	0.000	93	852542	10.0	9.83	
30 Methylene Chloride	84	3.786	3.786	0.000	90	581565	10.0	9.35	
* 31 t-Butyl alcohol-d10 (IS)	65	3.798	3.798	0.000	49	188699	50.0	50.0	
32 2-Methyl-2-propanol	59	3.908	3.908	0.000	100	651277	200.0	178.5	
33 Acrylonitrile	53	4.091	4.091	0.000	99	316143	25.0	23.1	
35 trans-1,2-Dichloroethene	96	4.146	4.146	0.000	99	602335	10.0	9.67	
34 Methyl tert-butyl ether	73	4.146	4.146	0.000	94	1590845	10.0	9.98	
36 Hexane	57	4.561	4.561	0.000	92	784492	10.0	9.69	
37 1,1-Dichloroethane	63	4.804	4.804	0.000	96	1050430	10.0	9.81	
39 Isopropyl ether	45	4.871	4.871	0.000	94	1876667	10.0	9.84	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 2-Chloro-1,3-butadiene	53	4.914	4.914	0.000	89	860537	10.0	9.69	
41 Tert-butyl ethyl ether	59	5.414	5.414	0.000	97	1842578	10.0	9.86	
42 2-Butanone (MEK)	43	5.615	5.615	0.000	99	1720851	100.0	100.2	
43 cis-1,2-Dichloroethene	96	5.652	5.652	0.000	80	680417	10.0	9.72	
44 2,2-Dichloropropane	77	5.670	5.670	0.000	85	833572	10.0	9.39	
45 Propionitrile	54	5.719	5.719	0.000	99	976438	200.0	210.7	
47 Methacrylonitrile	67	5.926	5.926	0.000	91	1649667	100.0	97.2	
49 Tetrahydrofuran	71	5.981	5.981	0.000	78	250650	50.0	46.7	
48 Chlorobromomethane	128	5.987	5.987	0.000	87	319608	10.0	9.89	
50 Chloroform	83	6.146	6.146	0.000	93	1052795	10.0	9.28	
$ 54 Dibromofluoromethane (Surr)	113	6.365	6.365	0.000	94	554691	10.0	10.0	
53 1,1,1-Trichloroethane	97	6.371	6.371	0.000	98	915814	10.0	9.67	
55 Cyclohexane	56	6.463	6.463	0.000	89	1005521	10.0	9.97	
57 1,1-Dichloropropene	75	6.585	6.585	0.000	97	822182	10.0	9.71	
56 Carbon tetrachloride	117	6.585	6.585	0.000	96	845695	10.0	9.86	
58 Isobutyl alcohol	41	6.780	6.780	0.000	95	647610	500.0	494.8	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.822	6.822	0.000	99	111406	10.0	9.85	
60 Benzene	78	6.853	6.853	0.000	96	2475580	10.0	9.73	
61 1,2-Dichloroethane	62	6.926	6.926	0.000	97	633799	10.0	9.76	
64 Tert-amyl methyl ether	73	7.060	7.060	0.000	98	1748941	10.0	10.1	
* 65 Fluorobenzene (IS)	96	7.267	7.267	0.000	99	2282400	10.0	10.0	
66 n-Heptane	43	7.286	7.286	0.000	91	837504	10.0	9.98	
67 n-Butanol	56	7.682	7.682	0.000	87	1097174	875.0	912.0	
68 Trichloroethene	95	7.755	7.755	0.000	96	673226	10.0	9.61	
69 Methylcyclohexane	83	8.066	8.066	0.000	89	1129952	10.0	10.1	
70 1,2-Dichloropropane	63	8.096	8.096	0.000	97	643632	10.0	9.88	
71 2-ethoxy-2-methyl butane	87	8.127	8.127	0.000	95	1069075	10.0	10.1	
74 1,4-Dioxane	88	8.194	8.194	0.000	33	116675	500.0	494.2	Ma
73 Methyl methacrylate	69	8.200	8.200	0.000	90	345830	10.0	9.71	
72 Dibromomethane	93	8.206	8.206	0.000	92	325035	10.0	9.79	
76 Dichlorobromomethane	83	8.456	8.456	0.000	100	780772	10.0	9.93	
77 2-Nitropropane	41	8.743	8.743	0.000	97	486658	50.0	50.7	
78 1-Bromo-2-chloroethane	63	8.846	8.846	0.000	98	642953	10.0	10.1	
80 cis-1,3-Dichloropropene	75	9.029	9.029	0.000	97	1014736	10.0	9.97	
82 4-Methyl-2-pentanone (MIBK)	43	9.230	9.230	0.000	96	4387352	100.0	99.9	
$ 83 Toluene-d8 (Surr)	98	9.358	9.358	0.000	93	2309511	10.0	10.1	
84 Toluene	92	9.444	9.444	0.000	98	1671454	10.0	9.82	
85 trans-1,3-Dichloropropene	75	9.730	9.730	0.000	91	866626	10.0	10.0	
86 Ethyl methacrylate	69	9.803	9.803	0.000	89	747761	10.0	10.1	
87 1,1,2-Trichloroethane	97	9.944	9.944	0.000	90	477370	10.0	9.70	
88 Tetrachloroethene	166	10.023	10.023	0.000	97	827702	10.0	9.80	
89 1,3-Dichloropropane	76	10.114	10.114	0.000	89	810192	10.0	9.90	
106 2-Hexanone	43	10.181	10.181	0.000	96	3122469	100.0	97.8	
108 Chlorodibromomethane	129	10.334	10.334	0.000	89	643090	10.0	10.2	
110 Ethylene Dibromide	107	10.444	10.444	0.000	99	489120	10.0	10.0	
* 111 Chlorobenzene-d5 (IS)	117	10.901	10.901	0.000	84	1791303	10.0	10.0	
112 1-Chlorohexane	91	10.919	10.919	0.000	96	944447	10.0	9.47	
113 Chlorobenzene	112	10.925	10.925	0.000	97	1999402	10.0	9.83	
114 1,1,1,2-Tetrachloroethane	131	11.017	11.017	0.000	97	720956	10.0	10.1	
115 Ethylbenzene	91	11.023	11.023	0.000	98	3278886	10.0	9.81	
116 m-Xylene & p-Xylene	106	11.145	11.145	0.000	97	2686365	20.0	19.6	
118 o-Xylene	106	11.486	11.486	0.000	96	1334091	10.0	9.89	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
119 Styrene	104	11.498	11.498	0.000	95	2233184	10.0	10.0	
120 Bromoform	173	11.657	11.657	0.000	98	409184	10.0	10.0	
121 Isopropylbenzene	105	11.797	11.797	0.000	95	3196885	10.0	9.99	
$ 124 4-Bromofluorobenzene (Surr)	95	11.943	11.943	0.000	96	867691	10.0	10.1	
126 1,1,2,2-Tetrachloroethane	83	12.053	12.053	0.000	76	622324	10.0	10.1	
125 Bromobenzene	156	12.059	12.059	0.000	88	908749	10.0	9.75	
127 trans-1,4-Dichloro-2-butene	53	12.083	12.083	0.000	90	1474792	100.0	101.5	
128 1,2,3-Trichloropropane	110	12.096	12.096	0.000	78	170673	10.0	9.93	
129 N-Propylbenzene	91	12.138	12.138	0.000	98	3940061	10.0	9.83	
130 2-Chlorotoluene	126	12.211	12.211	0.000	98	878431	10.0	9.77	
131 1,3,5-Trimethylbenzene	105	12.279	12.279	0.000	94	2953220	10.0	9.86	
132 4-Chlorotoluene	126	12.303	12.303	0.000	96	911272	10.0	9.73	
133 tert-Butylbenzene	134	12.522	12.522	0.000	92	705095	10.0	9.79	
134 Pentachloroethane	167	12.553	12.553	0.000	95	557070	10.0	10.3	
135 1,2,4-Trimethylbenzene	105	12.565	12.565	0.000	97	3065316	10.0	9.92	
136 sec-Butylbenzene	105	12.693	12.693	0.000	93	3842980	10.0	9.95	
137 1,3-Dichlorobenzene	146	12.785	12.785	0.000	98	1814020	10.0	9.85	
138 4-Isopropyltoluene	119	12.803	12.803	0.000	97	3462326	10.0	9.97	
* 139 1,4-Dichlorobenzene-d4	152	12.845	12.845	0.000	92	1059823	10.0	10.0	
140 1,4-Dichlorobenzene	146	12.864	12.864	0.000	96	1844120	10.0	9.79	
141 1,2,3-Trimethylbenzene	120	12.876	12.876	0.000	98	1427855	10.0	10.0	
142 Benzyl chloride	126	12.943	12.943	0.000	98	290573	10.0	10.2	
145 p-Diethylbenzene	119	13.083	13.083	0.000	94	2146118	10.0	9.92	
143 n-Butylbenzene	92	13.102	13.102	0.000	96	1641310	10.0	9.85	
144 1,2-Dichlorobenzene	146	13.126	13.126	0.000	99	1685786	10.0	10.0	
148 1,2-Dibromo-3-Chloropropane	155	13.681	13.681	0.000	92	112816	10.0	11.0	
149 1,3,5-Trichlorobenzene	180	13.803	13.803	0.000	98	1437909	10.0	10.1	
150 1,2,4-Trichlorobenzene	180	14.235	14.235	0.000	94	1215124	10.0	10.5	
151 Hexachlorobutadiene	225	14.321	14.321	0.000	96	597322	10.0	9.99	
152 Naphthalene	128	14.418	14.418	0.000	96	2042535	10.0	11.1	
153 1,2,3-Trichlorobenzene	180	14.565	14.565	0.000	96	970054	10.0	10.7	
154 2-Methylnaphthalene	142	15.174	15.174	0.000	92	933449	10.0	11.5	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

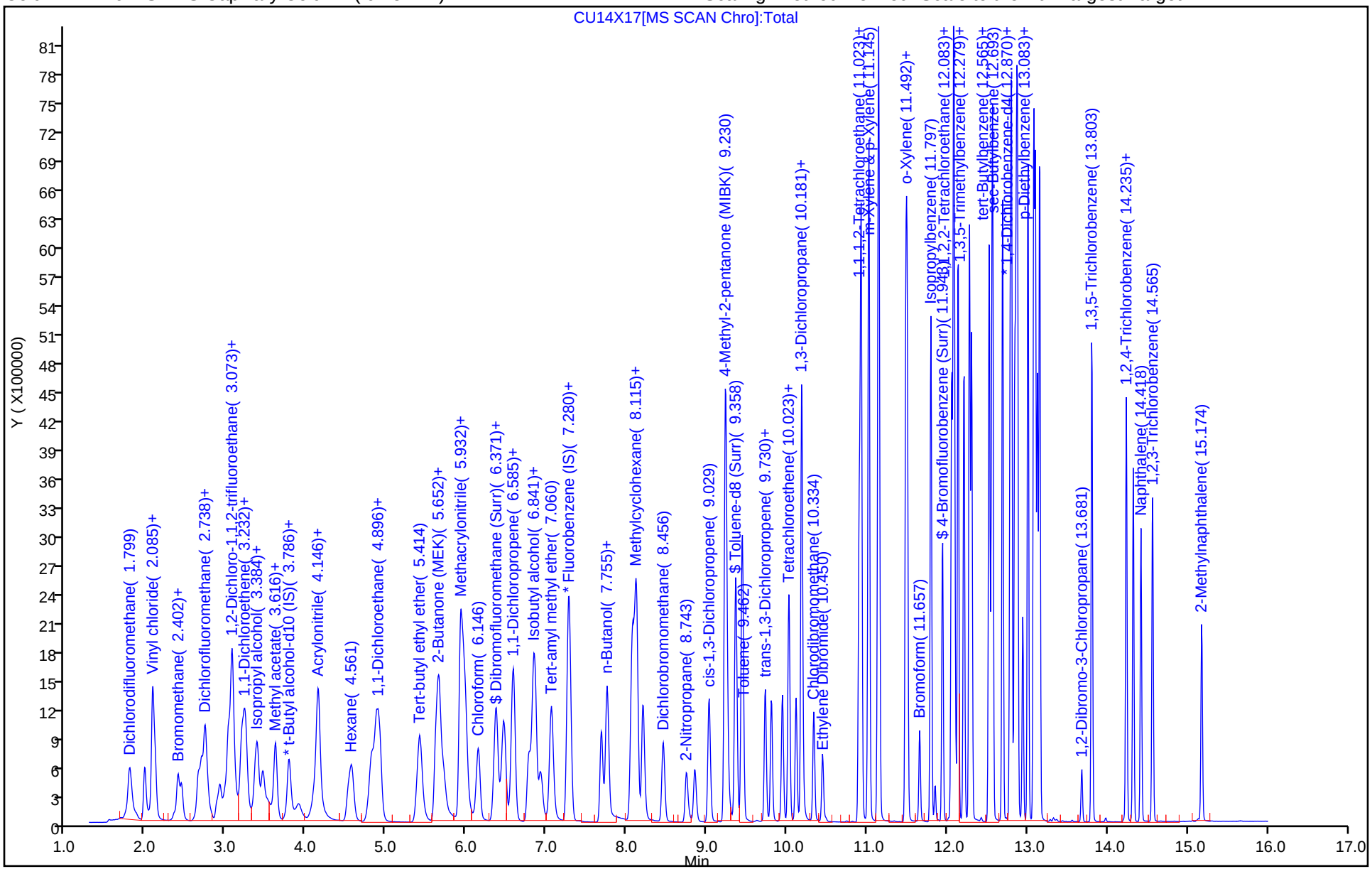
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MSV_LL_#2_826_00140	Amount Added: 10.00	Units: uL	
MSV_LL_GAS826_00214	Amount Added: 10.00	Units: uL	
MSV_HP25_ISSS_00090	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 17-Jun-2024 19:28:59 Chrom Revision: 2.3 03-Jun-2024 20:58:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X17.D				
Injection Date:	15-Jun-2024 00:22:30	Instrument ID:	10193	Operator ID:	MEC29284
Lims ID:	ICIS 10			Worklist Smp#:	18
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

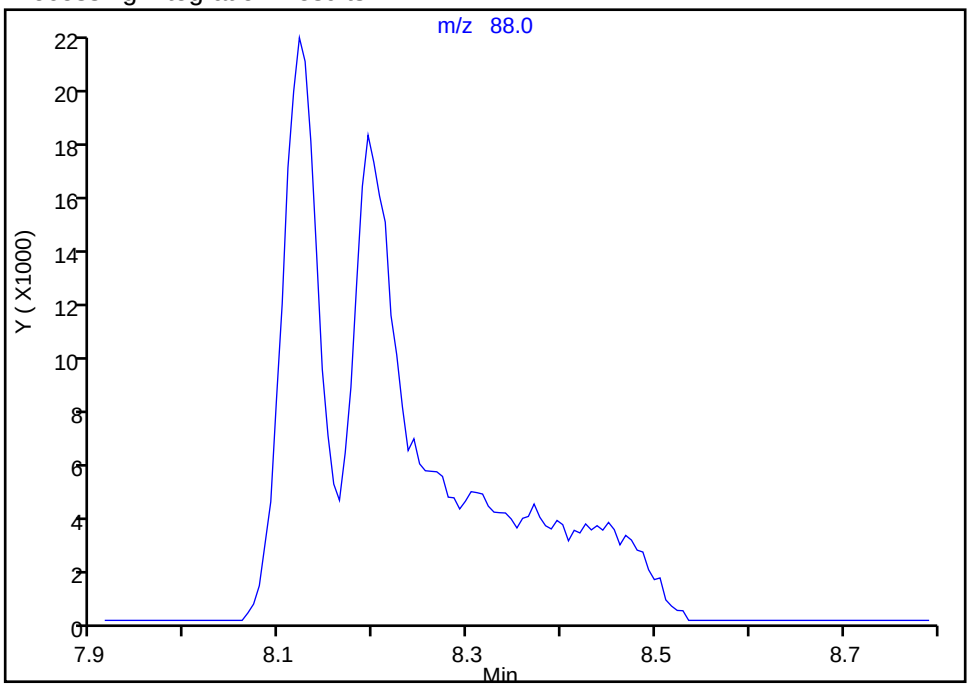
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Injection Date: 15-Jun-2024 00:22:30 Instrument ID: 10193
Lims ID: ICIS 10
Client ID:
Operator ID: MEC29284 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

74 1,4-Dioxane, CAS: 123-91-1

Signal: 1

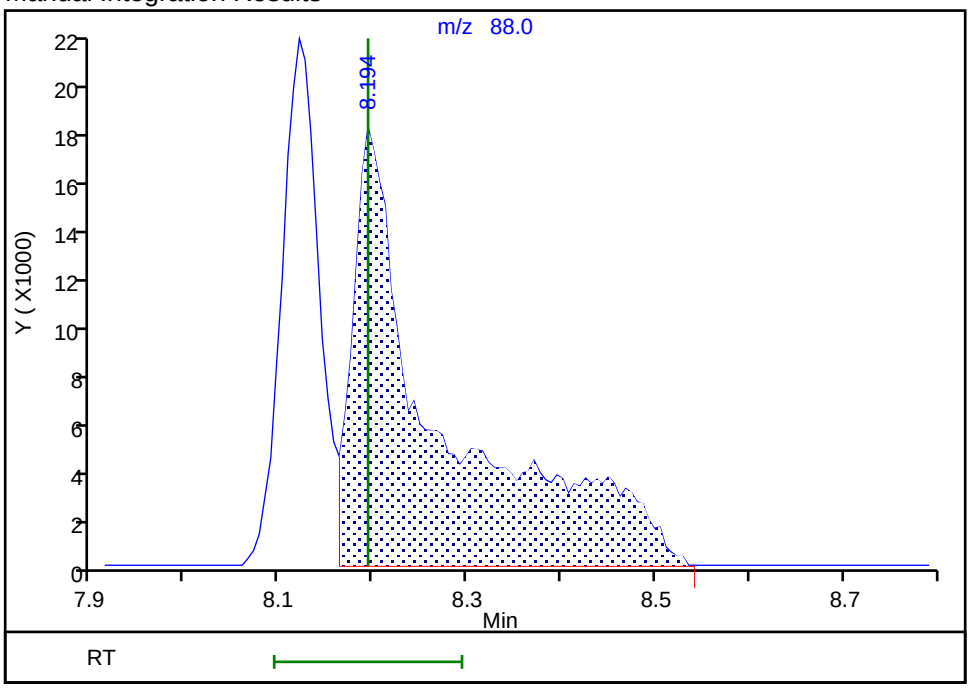
Not Detected
Expected RT: 8.19

Processing Integration Results



Manual Integration Results

RT: 8.19
Area: 116675
Amount: 494.2389
Amount Units: ug/l



Reviewer: DVW2, 16-Jun-2024 08:15:01 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D
Lims ID: IC std7 25
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 15-Jun-2024 00:45:30 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0116724-019
Misc. Info.: IC STD25 LG
Operator ID: MEC29284 Instrument ID: 10193
Sublist: chrom-MSV_10193_25mL*sub1

Method: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 17-Jun-2024 19:29:21 Calib Date: 15-Jun-2024 00:45:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1606

First Level Reviewer: UCB5 Date: 16-Jun-2024 13:53:39

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.799	1.799	0.000	99	1905383	25.0	25.7	
5 Chloromethane	50	1.982	1.982	0.000	99	2083250	25.0	24.9	
6 Vinyl chloride	62	2.085	2.085	0.000	98	2101955	25.0	25.5	
7 Butadiene	39	2.085	2.085	0.000	92	2161710	25.0	24.5	M
9 Bromomethane	94	2.396	2.396	0.000	89	1445096	25.0	24.9	
10 Chloroethane	64	2.445	2.445	0.000	100	1191486	25.0	25.2	
11 Dichlorofluoromethane	67	2.689	2.689	0.000	97	3154184	25.0	25.8	
13 Pentane	43	2.732	2.738	-0.006	97	2064115	25.0	25.2	
12 Trichlorofluoromethane	101	2.738	2.744	-0.006	98	2424884	25.0	25.3	
14 Ethyl ether	59	2.914	2.921	-0.007	90	1138331	25.0	26.3	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.018	3.018	0.000	91	1803949	25.0	25.6	
17 Acrolein	56	3.073	3.073	0.000	100	9594947	1252.7	1323.4	
18 1,1-Dichloroethene	96	3.201	3.195	0.006	97	1279237	25.0	25.0	
20 Acetone	43	3.225	3.219	0.006	100	2194483	250.0	235.2	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.244	3.244	0.000	90	1349071	25.0	25.7	
24 Isopropyl alcohol	45	3.378	3.366	0.012	40	1037305	500.0	540.7	
22 Iodomethane	142	3.372	3.372	0.000	97	2768721	25.0	26.0	
23 Ethyl bromide	108	3.396	3.396	0.000	98	1232176	25.0	26.5	
25 Carbon disulfide	76	3.463	3.463	0.000	99	4401815	25.0	26.5	
26 Methyl acetate	43	3.591	3.585	0.006	96	648417	25.0	24.2	M
29 3-Chloro-1-propene	41	3.615	3.616	-0.001	93	2239904	25.0	26.4	
30 Methylene Chloride	84	3.786	3.786	0.000	91	1501358	25.0	24.7	
* 31 t-Butyl alcohol-d10 (IS)	65	3.804	3.798	0.006	94	188137	50.0	50.0	M
32 2-Methyl-2-propanol	59	3.908	3.908	0.000	100	1671928	500.0	459.6	
33 Acrylonitrile	53	4.091	4.091	0.000	99	789839	62.5	58.0	
35 trans-1,2-Dichloroethene	96	4.146	4.146	0.000	99	1561141	25.0	25.6	
34 Methyl tert-butyl ether	73	4.140	4.146	-0.006	97	4071785	25.0	26.1	
36 Hexane	57	4.560	4.561	-0.001	91	2006405	25.0	25.3	
37 1,1-Dichloroethane	63	4.804	4.804	0.000	96	2726420	25.0	26.0	
39 Isopropyl ether	45	4.871	4.871	0.000	94	4877622	25.0	26.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 2-Chloro-1,3-butadiene	53	4.914	4.914	0.000	89	2242733	25.0	25.8	
41 Tert-butyl ethyl ether	59	5.414	5.414	0.000	97	4765931	25.0	26.1	
42 2-Butanone (MEK)	43	5.615	5.615	0.000	99	4268978	250.0	249.3	
43 cis-1,2-Dichloroethene	96	5.652	5.652	0.000	80	1771577	25.0	25.9	
44 2,2-Dichloropropane	77	5.670	5.670	0.000	89	2151525	25.0	24.8	
45 Propionitrile	54	5.719	5.719	0.000	99	2529029	500.0	547.5	
47 Methacrylonitrile	67	5.932	5.926	0.006	93	4229919	250.0	249.8	
49 Tetrahydrofuran	71	5.987	5.981	0.006	85	637151	125.0	119.1	
48 Chlorobromomethane	128	5.987	5.987	0.000	91	818941	25.0	25.9	
50 Chloroform	83	6.145	6.146	-0.001	93	2719432	25.0	24.5	
S 52 1,2-Dichloroethene, Total	100				0			51.5	
$ 54 Dibromofluoromethane (Surr)	113	6.371	6.365	0.006	94	541031	10.0	10.0	
53 1,1,1-Trichloroethane	97	6.371	6.371	0.000	98	2378894	25.0	25.7	
55 Cyclohexane	56	6.469	6.463	0.006	89	2567920	25.0	26.0	
57 1,1-Dichloropropene	75	6.584	6.585	0.000	98	2166141	25.0	26.1	
56 Carbon tetrachloride	117	6.578	6.585	-0.006	96	2220074	25.0	26.4	
58 Isobutyl alcohol	41	6.773	6.780	-0.007	95	1575075	1250.0	1207.1	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.828	6.822	0.006	98	109807	10.0	9.92	
60 Benzene	78	6.853	6.853	0.000	95	6440925	25.0	25.9	
61 1,2-Dichloroethane	62	6.926	6.926	0.000	97	1614182	25.0	25.4	
64 Tert-amyl methyl ether	73	7.060	7.060	0.000	98	4483418	25.0	26.4	
* 65 Fluorobenzene (IS)	96	7.273	7.267	0.006	95	2233108	10.0	10.0	
66 n-Heptane	43	7.286	7.286	0.000	92	2110634	25.0	25.7	
67 n-Butanol	56	7.682	7.682	0.000	86	2771268	2187.5	2310.5	M
68 Trichloroethene	95	7.755	7.755	0.000	96	1756419	25.0	25.6	
69 Methylcyclohexane	83	8.066	8.066	0.000	90	2892643	25.0	26.3	
70 1,2-Dichloropropane	63	8.096	8.096	0.000	97	1682549	25.0	26.4	
71 2-ethoxy-2-methyl butane	87	8.127	8.127	0.000	95	2801387	25.0	27.0	
74 1,4-Dioxane	88	8.200	8.194	0.006	66	320840	1250.0	1363.1	M
73 Methyl methacrylate	69	8.200	8.200	0.000	92	870579	25.0	24.5	
72 Dibromomethane	93	8.206	8.206	0.000	92	858709	25.0	26.4	
76 Dichlorobromomethane	83	8.456	8.456	0.000	99	2031557	25.0	26.4	
77 2-Nitropropane	41	8.749	8.743	0.006	97	1213307	125.0	126.9	
78 1-Bromo-2-chloroethane	63	8.852	8.846	0.006	98	1649892	25.0	26.5	
80 cis-1,3-Dichloropropene	75	9.029	9.029	0.000	97	2647910	25.0	26.6	
82 4-Methyl-2-pentanone (MIBK)	43	9.236	9.230	0.006	95	11258197	250.0	257.1	
$ 83 Toluene-d8 (Surr)	98	9.364	9.358	0.006	93	2253682	10.0	10.1	
84 Toluene	92	9.444	9.444	0.000	98	4354894	25.0	26.4	
85 trans-1,3-Dichloropropene	75	9.730	9.730	0.000	91	2265180	25.0	26.9	
86 Ethyl methacrylate	69	9.803	9.803	0.000	89	1936916	25.0	26.9	
87 1,1,2-Trichloroethane	97	9.944	9.944	0.000	90	1228042	25.0	25.7	
88 Tetrachloroethene	166	10.023	10.023	0.000	97	2161277	25.0	26.3	
S 107 1,3-Dichloropropene, Total	100				0			53.5	
89 1,3-Dichloropropane	76	10.114	10.114	0.000	89	2110086	25.0	26.6	
106 2-Hexanone	43	10.181	10.181	0.000	95	7969148	250.0	250.4	
108 Chlorodibromomethane	129	10.334	10.334	0.000	90	1678834	25.0	27.3	
110 Ethylene Dibromide	107	10.443	10.444	-0.001	99	1266157	25.0	26.7	
* 111 Chlorobenzene-d5 (IS)	117	10.901	10.901	0.000	84	1739935	10.0	10.0	
112 1-Chlorohexane	91	10.925	10.919	0.006	97	2446377	25.0	25.3	
113 Chlorobenzene	112	10.931	10.925	0.006	97	5192630	25.0	26.3	
114 1,1,1,2-Tetrachloroethane	131	11.016	11.017	-0.001	97	1890919	25.0	27.2	
115 Ethylbenzene	91	11.023	11.023	0.000	98	8572940	25.0	26.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
116 m-Xylene & p-Xylene	106	11.145	11.145	-0.001	97	7050481	50.0	53.1	
S 117 Xylenes, Total	106				0			79.6	
118 o-Xylene	106	11.486	11.486	0.000	95	3481281	25.0	26.6	
119 Styrene	104	11.504	11.498	0.006	95	5794215	25.0	26.7	
120 Bromoform	173	11.657	11.657	0.000	98	1075393	25.0	27.2	
121 Isopropylbenzene	105	11.797	11.797	0.000	95	8237293	25.0	26.5	
$ 124 4-Bromofluorobenzene (Surr)	95	11.943	11.943	0.000	96	847227	10.0	10.1	
126 1,1,2,2-Tetrachloroethane	83	12.059	12.053	0.006	76	1618375	25.0	26.5	
125 Bromobenzene	156	12.059	12.059	0.000	88	2351082	25.0	25.6	
127 trans-1,4-Dichloro-2-butene	53	12.083	12.083	0.000	90	3923681	250.0	274.0	
128 1,2,3-Trichloropropane	110	12.096	12.096	0.000	77	445742	25.0	26.3	
129 N-Propylbenzene	91	12.138	12.138	0.000	98	10077512	25.0	25.5	
130 2-Chlorotoluene	126	12.211	12.211	0.000	98	2281014	25.0	25.8	
131 1,3,5-Trimethylbenzene	105	12.278	12.279	-0.001	94	7768355	25.0	26.3	
132 4-Chlorotoluene	126	12.309	12.303	0.006	96	2393840	25.0	25.9	
133 tert-Butylbenzene	134	12.522	12.522	0.000	93	1837768	25.0	25.9	
134 Pentachloroethane	167	12.553	12.553	0.000	95	1477179	25.0	27.8	
135 1,2,4-Trimethylbenzene	105	12.565	12.565	0.000	96	8059731	25.0	26.5	
136 sec-Butylbenzene	105	12.693	12.693	0.000	93	9766106	25.0	25.7	
137 1,3-Dichlorobenzene	146	12.784	12.785	-0.001	98	4702331	25.0	25.9	
138 4-Isopropyltoluene	119	12.803	12.803	0.000	97	8936074	25.0	26.1	
* 139 1,4-Dichlorobenzene-d4	152	12.845	12.845	0.000	92	1044446	10.0	10.0	
140 1,4-Dichlorobenzene	146	12.864	12.864	0.000	96	4822201	25.0	26.0	
141 1,2,3-Trimethylbenzene	120	12.876	12.876	0.000	98	3744402	25.0	26.6	
142 Benzyl chloride	126	12.943	12.943	0.000	98	751893	25.0	26.9	
145 p-Diethylbenzene	119	13.083	13.083	0.000	94	5565330	25.0	26.1	
143 n-Butylbenzene	92	13.101	13.102	-0.001	98	4294531	25.0	26.1	
144 1,2-Dichlorobenzene	146	13.126	13.126	0.000	99	4384615	25.0	26.5	
148 1,2-Dibromo-3-Chloropropane	155	13.681	13.681	0.000	92	293449	25.0	29.1	
149 1,3,5-Trichlorobenzene	180	13.809	13.803	0.006	98	3642801	25.0	25.9	
150 1,2,4-Trichlorobenzene	180	14.235	14.235	0.000	94	3097155	25.0	27.1	
151 Hexachlorobutadiene	225	14.321	14.321	0.000	96	1482860	25.0	25.2	
152 Naphthalene	128	14.418	14.418	0.000	96	5180801	25.0	28.7	
153 1,2,3-Trichlorobenzene	180	14.565	14.565	0.000	96	2474425	25.0	27.8	
154 2-Methylnaphthalene	142	15.174	15.174	0.000	92	2496002	25.0	31.2	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

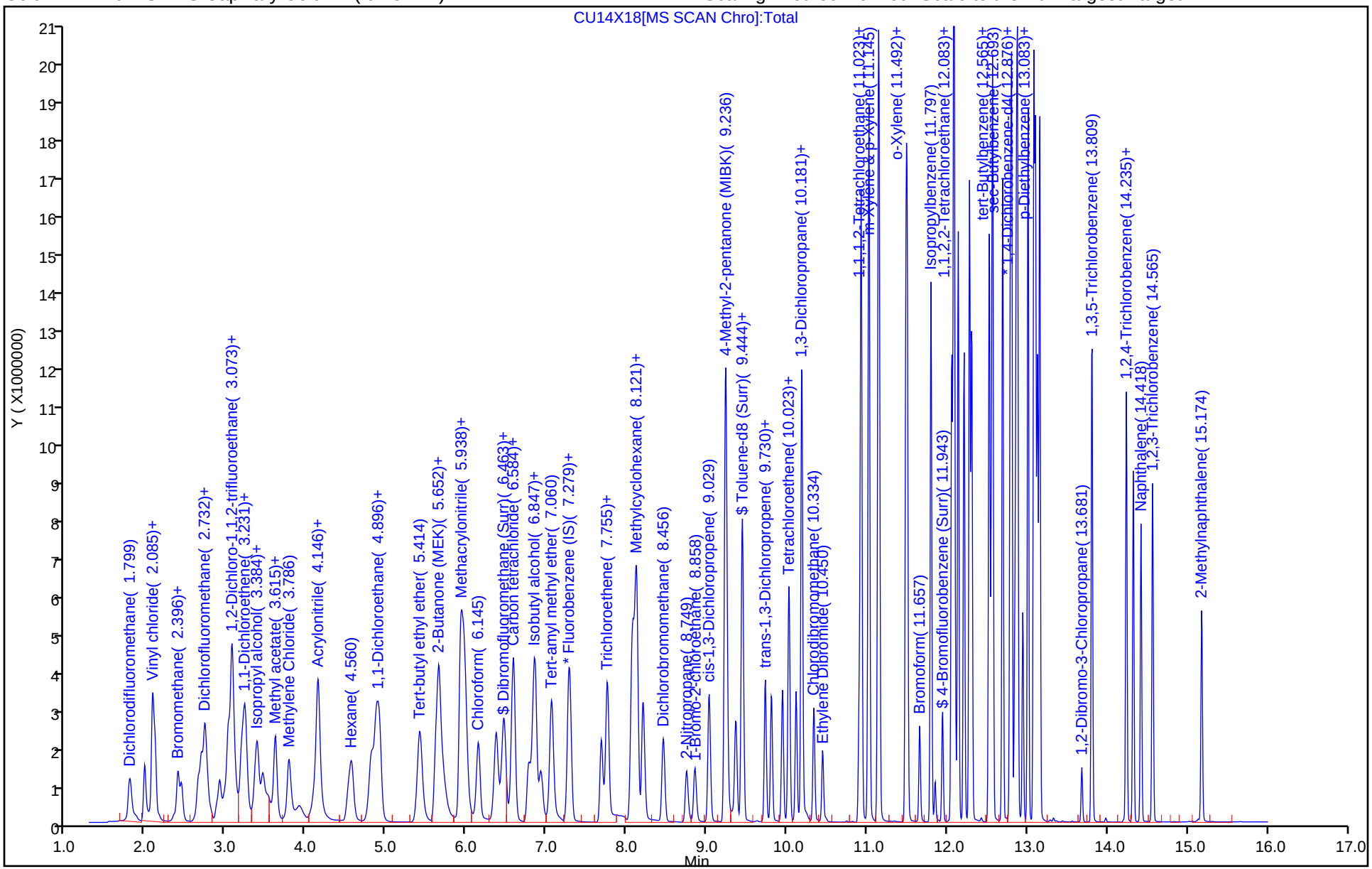
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MSV_LL_#2_826_00140	Amount Added: 25.00	Units: uL	
MSV_LL_GAS826_00214	Amount Added: 25.00	Units: uL	
MSV_HP25_ISSS_00090	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 17-Jun-2024 19:29:22 Chrom Revision: 2.3 03-Jun-2024 20:58:40

Eurofins Lancaster Laboratories Environment Testing, LLC

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Injection Date:	15-Jun-2024 00:45:30	Instrument ID:	10193	Operator ID:	MEC29284
Lims ID:	IC std7 25			Worklist Smp#:	19
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

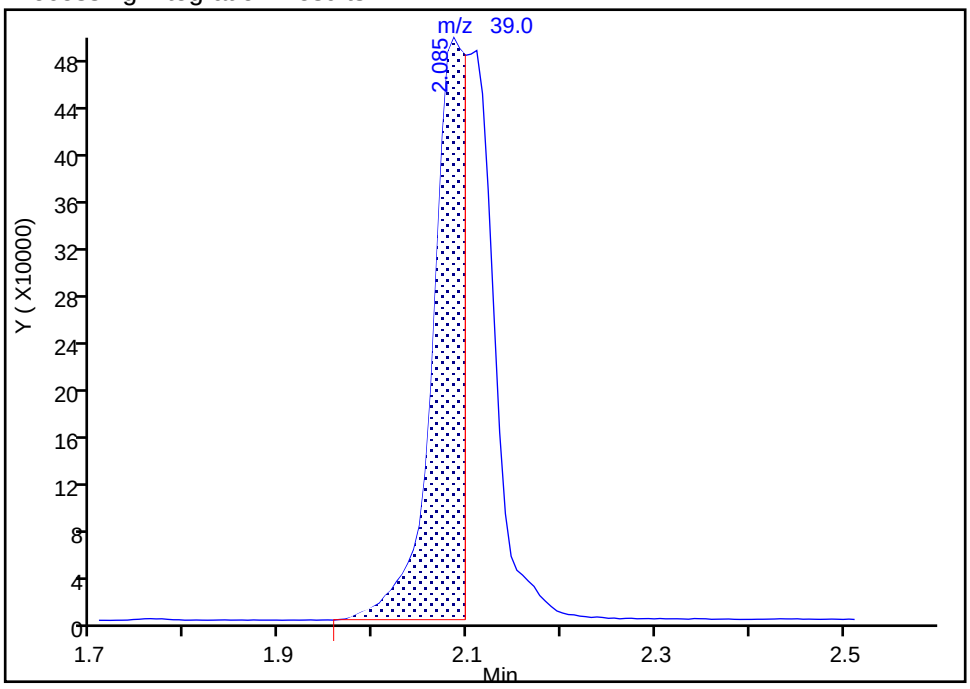
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Lims ID:	IC std7 25				
Client ID:					
Operator ID:	MEC29284	ALS Bottle#:	18	Worklist Smp#:	19
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

7 Butadiene, CAS: 106-99-0

Signal: 1

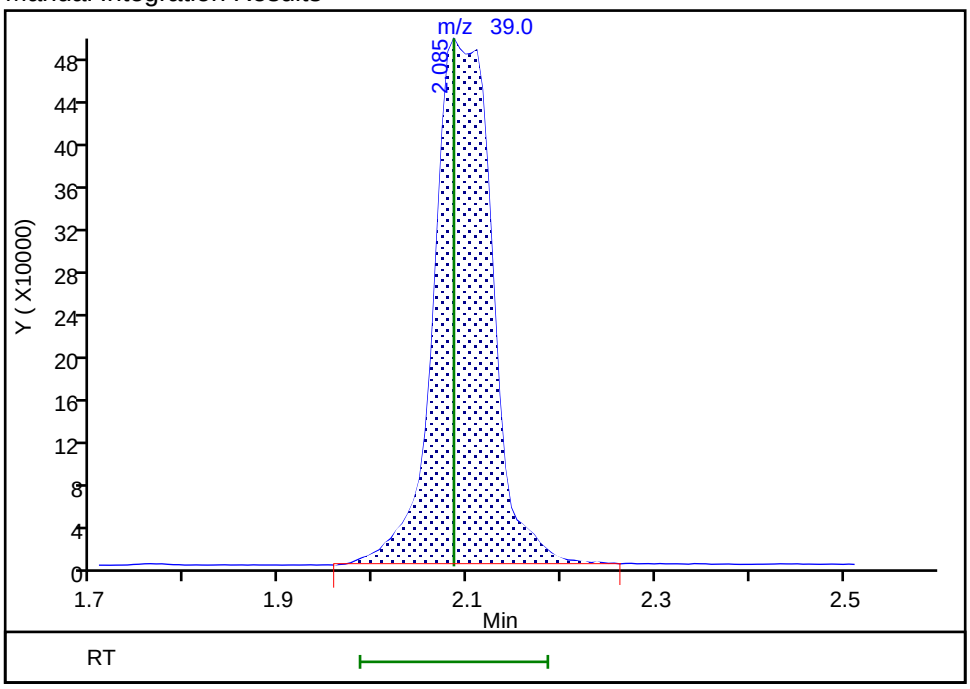
Processing Integration Results

RT: 2.09
Area: 1222598
Amount: 14.774317
Amount Units: ug/l



Manual Integration Results

RT: 2.09
Area: 2161710
Amount: 24.532011
Amount Units: ug/l



Reviewer: UCB5, 16-Jun-2024 13:49:29 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

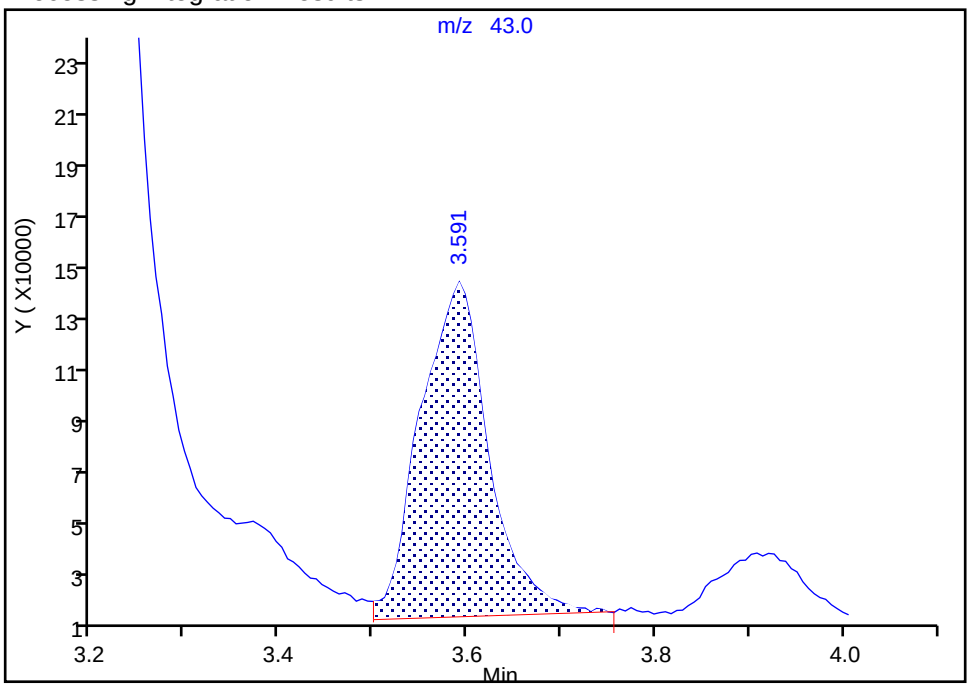
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Injection Date:	15-Jun-2024 00:45:30	Instrument ID:	10193		
Lims ID:	IC std7 25				
Client ID:					
Operator ID:	MEC29284	ALS Bottle#:	18	Worklist Smp#:	19
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

26 Methyl acetate, CAS: 79-20-9

Signal: 1

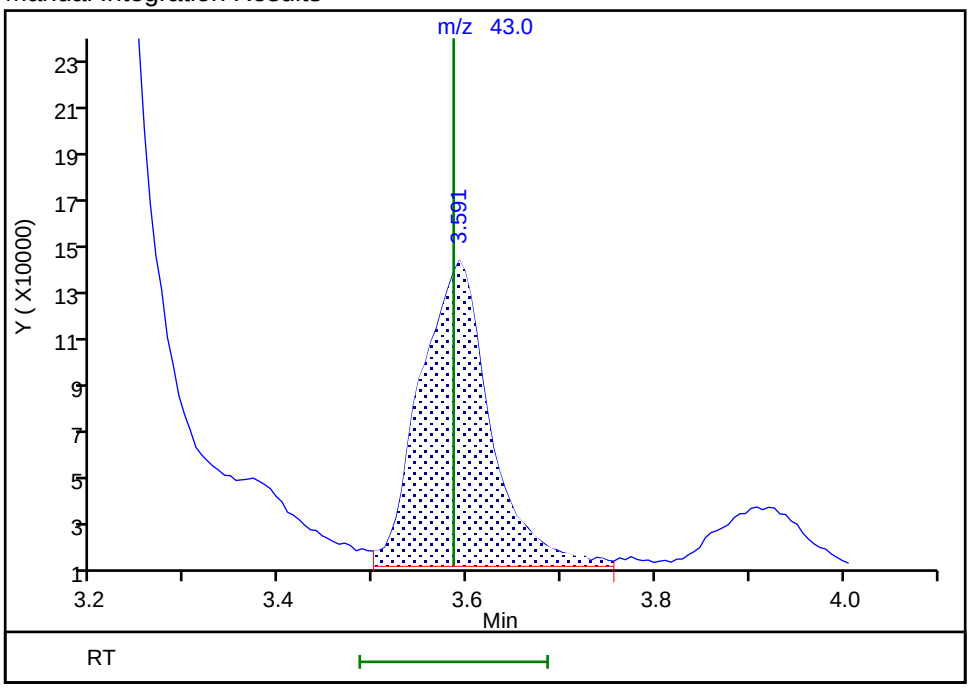
Processing Integration Results

RT: 3.59
Area: 644697
Amount: 26.852312
Amount Units: ug/l



Manual Integration Results

RT: 3.59
Area: 648417
Amount: 24.206654
Amount Units: ug/l



Reviewer: UCB5, 16-Jun-2024 13:50:08 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

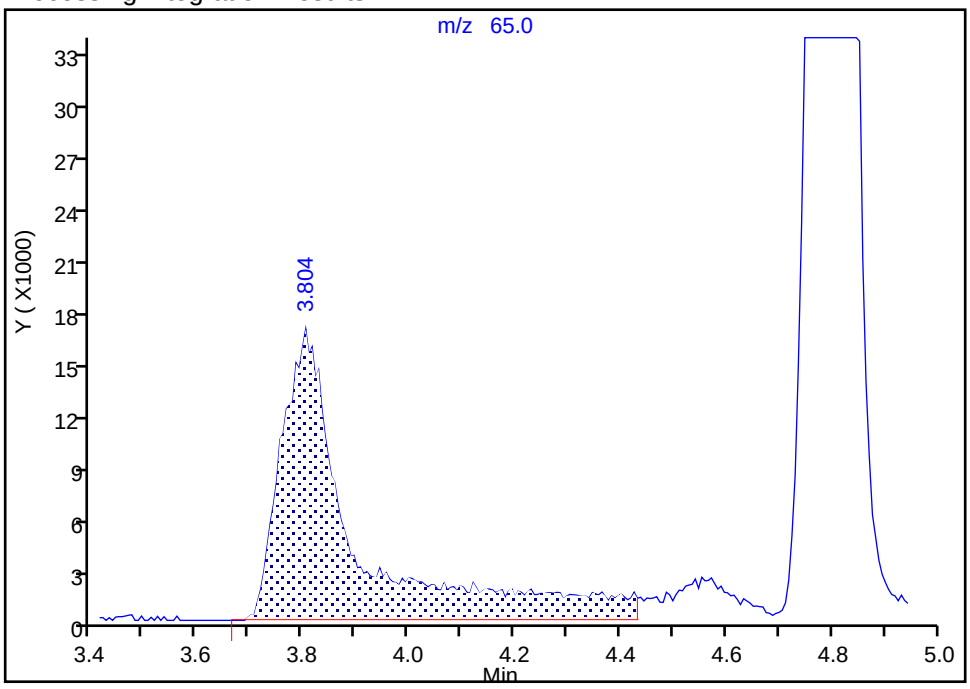
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Lims ID:	IC std7 25				
Client ID:					
Operator ID:	MEC29284	ALS Bottle#:	18	Worklist Smp#:	19
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

* 31 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

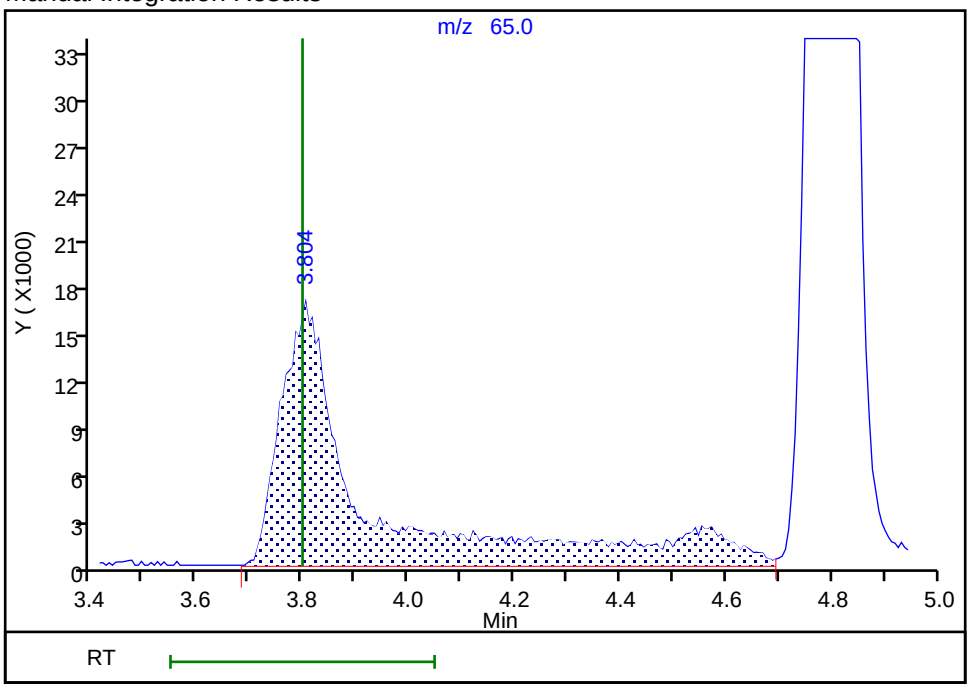
Processing Integration Results

RT: 3.80
Area: 165669
Amount: 50.000000
Amount Units: ug/l



Manual Integration Results

RT: 3.80
Area: 188137
Amount: 50.000000
Amount Units: ug/l



Reviewer: UKEK, 17-Jun-2024 19:14:47 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

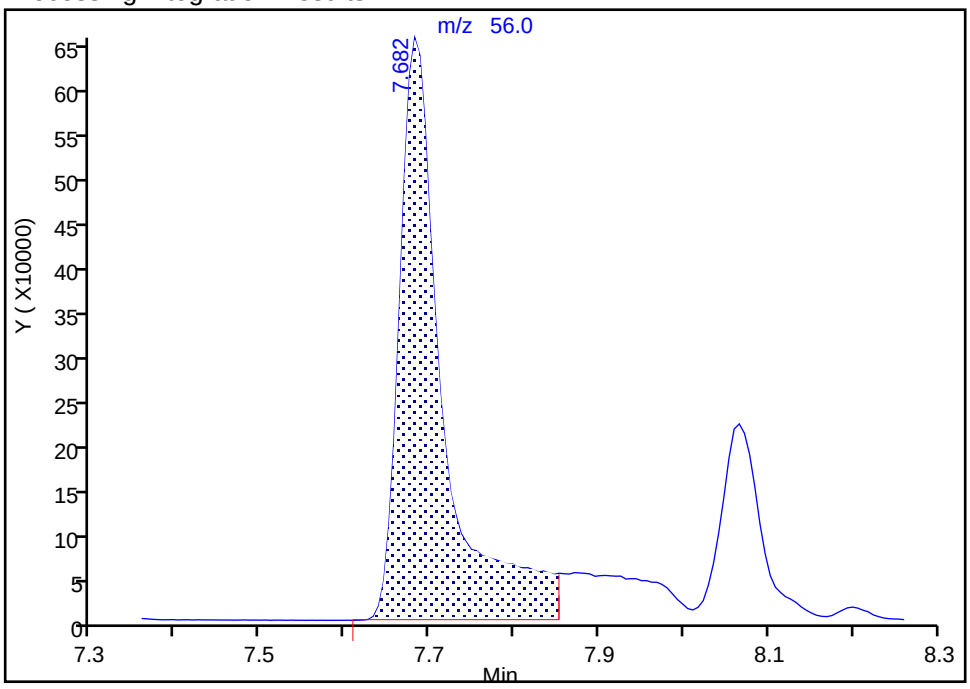
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Injection Date: 15-Jun-2024 00:45:30 Instrument ID: 10193
Lims ID: IC std7 25
Client ID:
Operator ID: MEC29284 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

67 n-Butanol, CAS: 71-36-3

Signal: 1

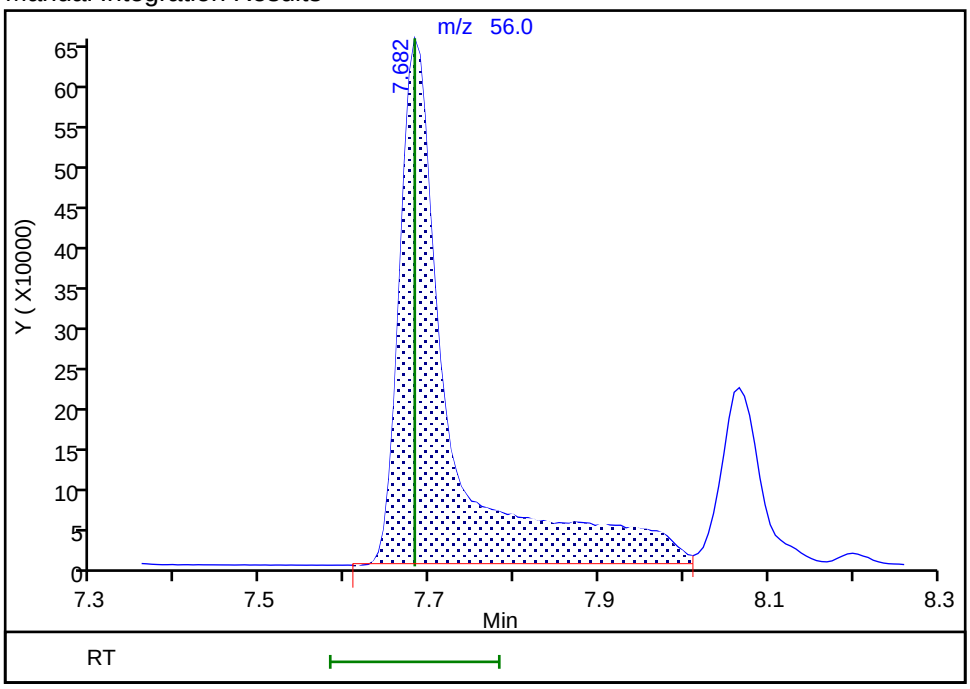
Processing Integration Results

RT: 7.68
Area: 2380326
Amount: 2262.0766
Amount Units: ug/l



Manual Integration Results

RT: 7.68
Area: 2771268
Amount: 2310.4820
Amount Units: ug/l



Reviewer: UCB5, 16-Jun-2024 13:51:09 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

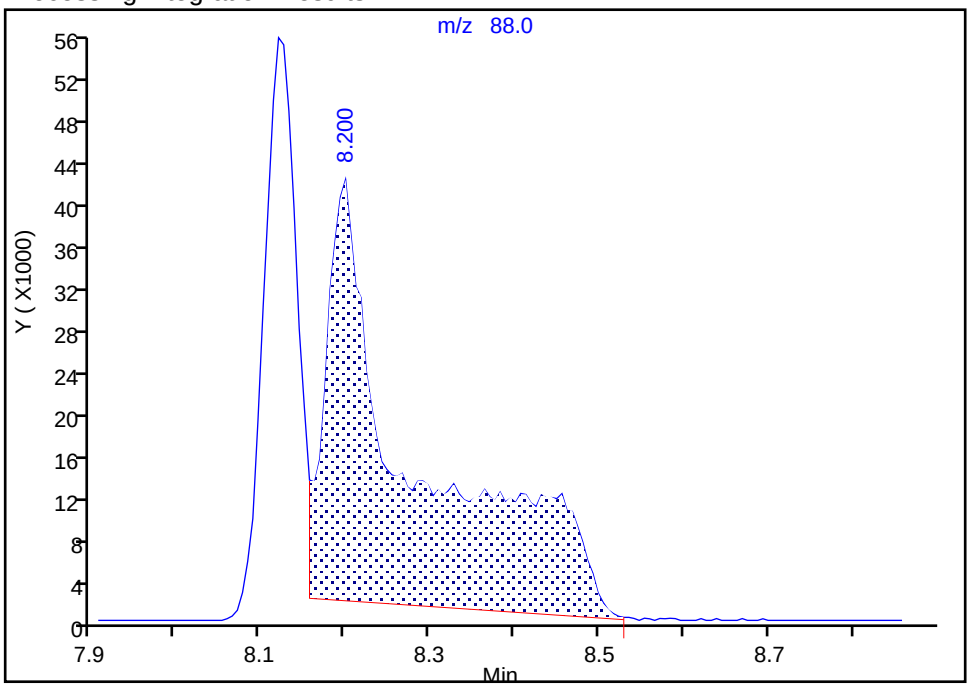
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Injection Date: 15-Jun-2024 00:45:30 Instrument ID: 10193
Lims ID: IC std7 25
Client ID:
Operator ID: MEC29284 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

74 1,4-Dioxane, CAS: 123-91-1

Signal: 1

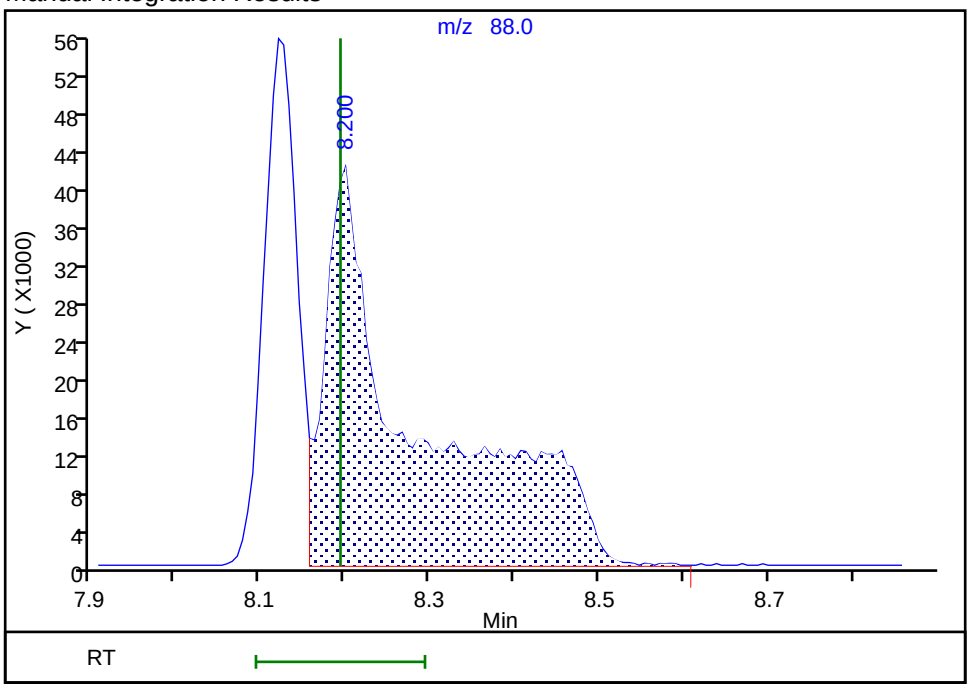
Processing Integration Results

RT: 8.20
Area: 296297
Amount: 1423.5444
Amount Units: ug/l



Manual Integration Results

RT: 8.20
Area: 320840
Amount: 1363.1481
Amount Units: ug/l



Reviewer: UCB5, 16-Jun-2024 13:52:22 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Missed Peak

Calibration / Dichlorodifluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

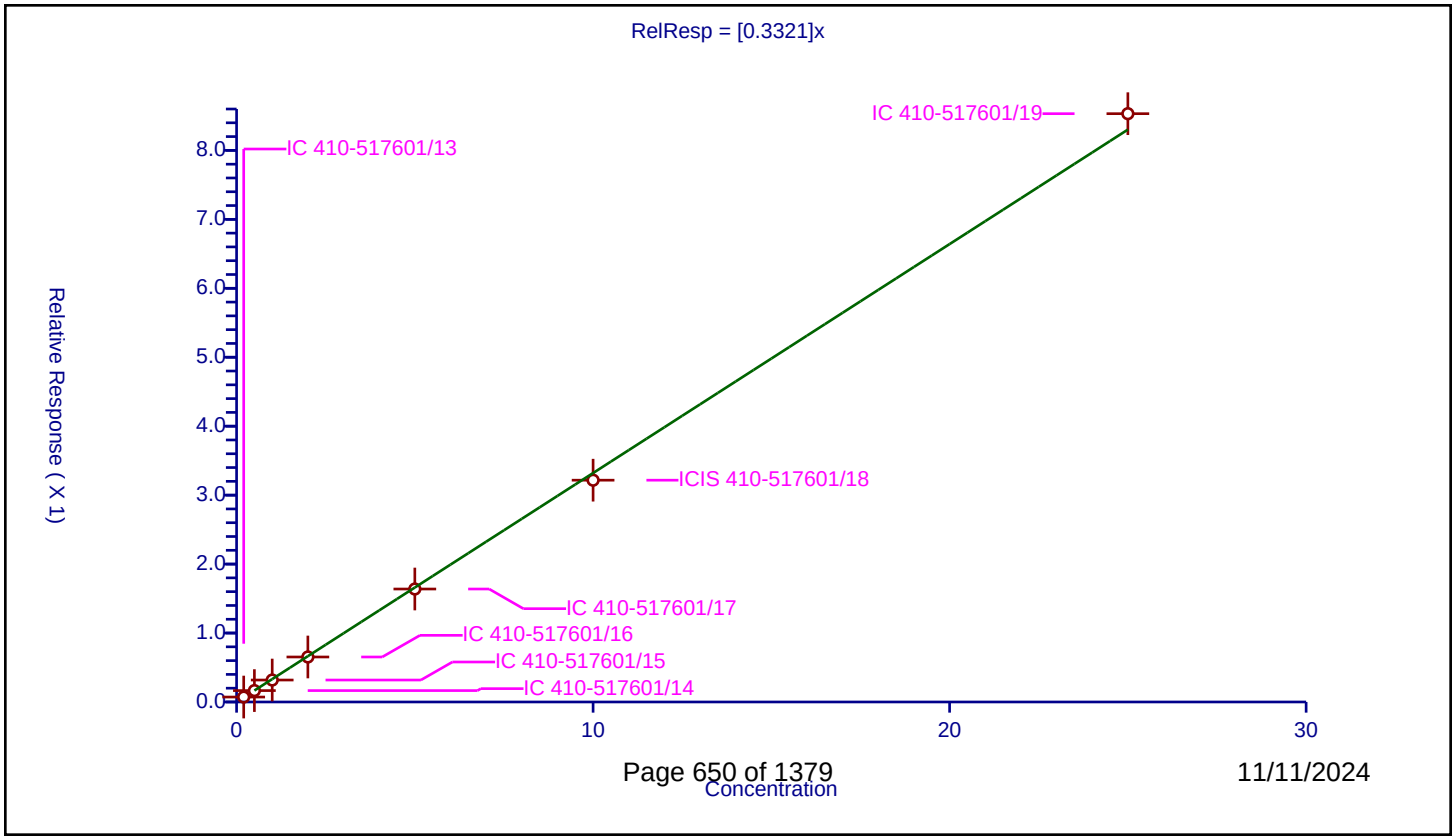
Curve Coefficients

Intercept:	0
Slope:	0.3321

Error Coefficients

Relative Standard Deviation:	4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.071697	10.0	2259919.0	0.358486	Y
2	IC 410-517601/14	0.5	0.16528	10.0	2249339.0	0.330559	Y
3	IC 410-517601/15	1.0	0.318332	10.0	2225227.0	0.318332	Y
4	IC 410-517601/16	2.0	0.65274	10.0	2217927.0	0.32637	Y
5	IC 410-517601/17	5.0	1.638295	10.0	2250394.0	0.327659	Y
6	ICIS 410-517601/18	10.0	3.216951	10.0	2282400.0	0.321695	Y
7	IC 410-517601/19	25.0	8.532427	10.0	2233108.0	0.341297	Y



Calibration / Chloromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

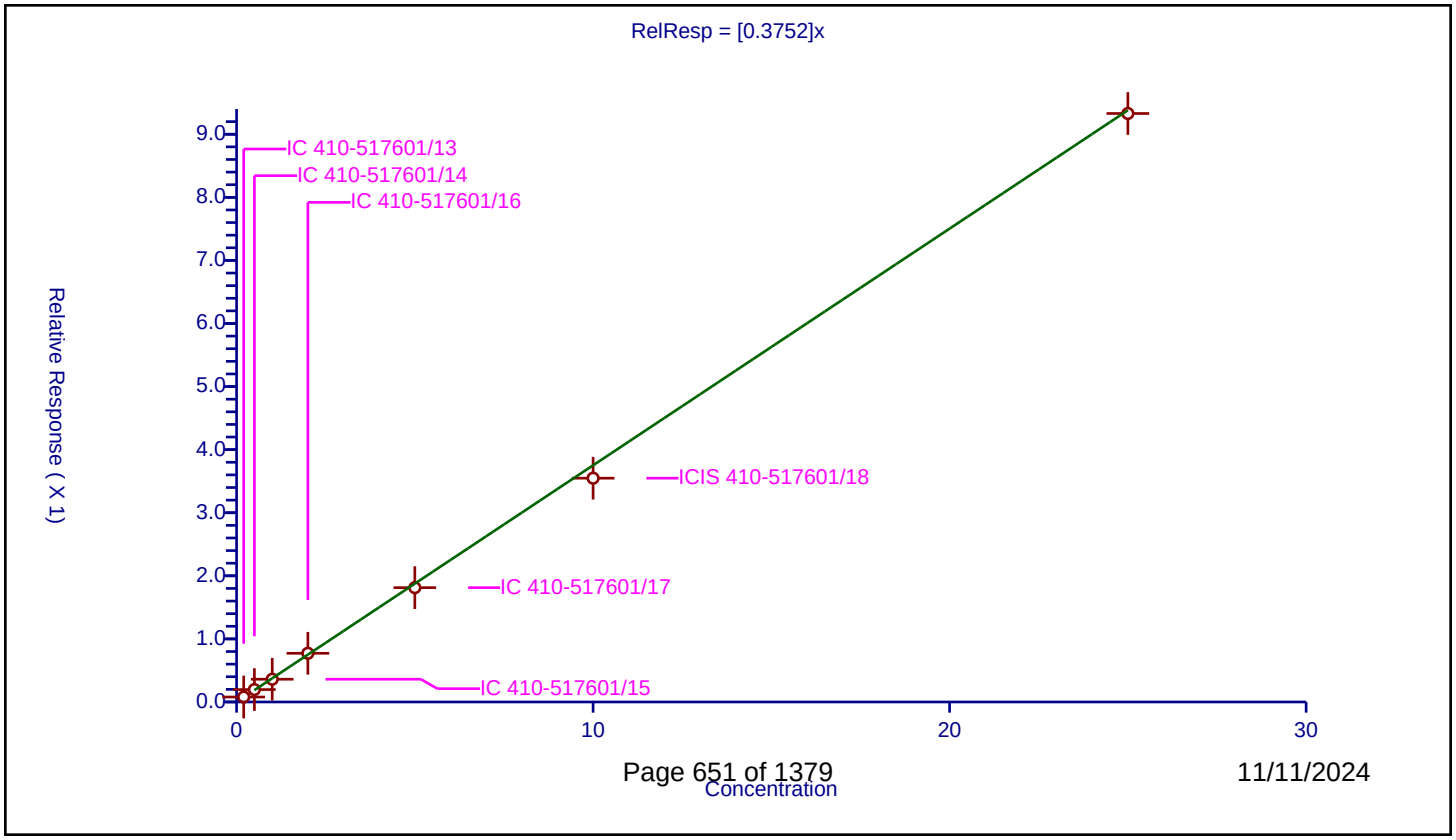
Curve Coefficients

Intercept:	0
Slope:	0.3752

Error Coefficients

Relative Standard Deviation:	4.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.078976	10.0	2259919.0	0.394881	Y
2	IC 410-517601/14	0.5	0.196973	10.0	2249339.0	0.393947	Y
3	IC 410-517601/15	1.0	0.360885	10.0	2225227.0	0.360885	Y
4	IC 410-517601/16	2.0	0.772275	10.0	2217927.0	0.386138	Y
5	IC 410-517601/17	5.0	1.812265	10.0	2250394.0	0.362453	Y
6	ICIS 410-517601/18	10.0	3.547893	10.0	2282400.0	0.354789	Y
7	IC 410-517601/19	25.0	9.328926	10.0	2233108.0	0.373157	Y



Calibration / Vinyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

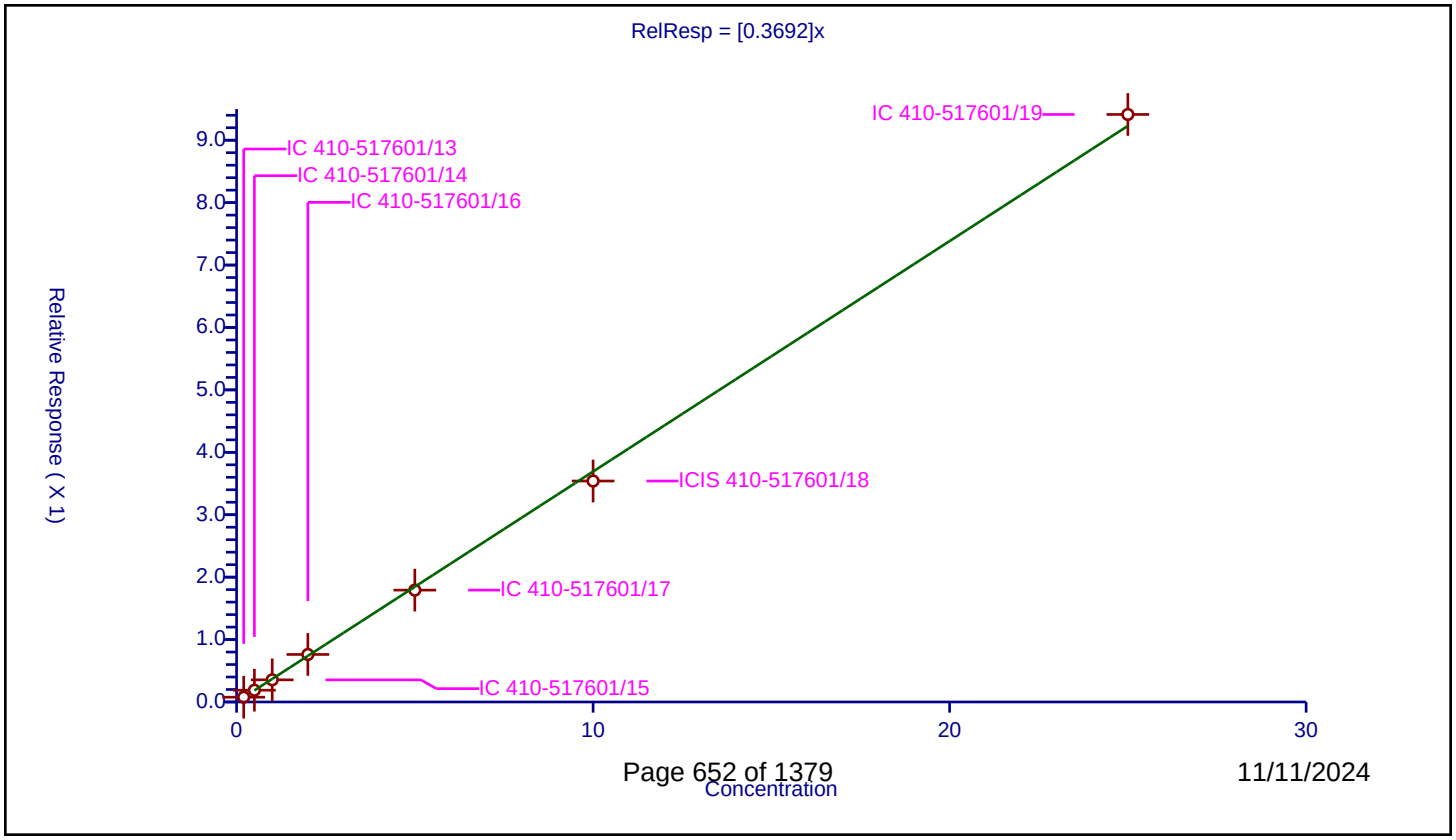
Curve Coefficients

Intercept:	0
Slope:	0.3692

Error Coefficients

Relative Standard Deviation:	3.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.076543	10.0	2259919.0	0.382713	Y
2	IC 410-517601/14	0.5	0.188451	10.0	2249339.0	0.376902	Y
3	IC 410-517601/15	1.0	0.354957	10.0	2225227.0	0.354957	Y
4	IC 410-517601/16	2.0	0.761427	10.0	2217927.0	0.380714	Y
5	IC 410-517601/17	5.0	1.792508	10.0	2250394.0	0.358502	Y
6	ICIS 410-517601/18	10.0	3.540326	10.0	2282400.0	0.354033	Y
7	IC 410-517601/19	25.0	9.412689	10.0	2233108.0	0.376508	Y



Calibration / Butadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

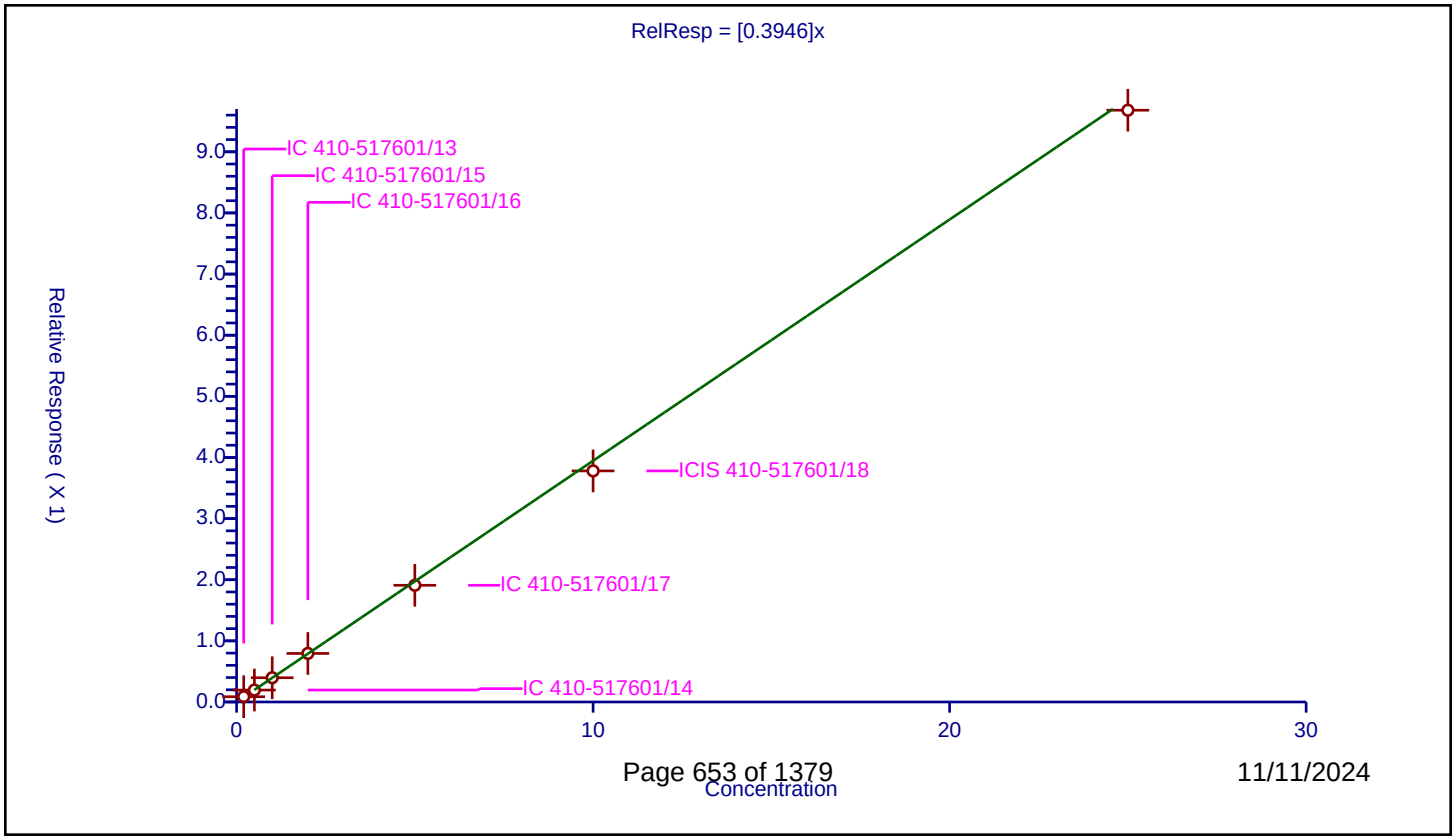
Curve Coefficients

Intercept:	0
Slope:	0.3946

Error Coefficients

Relative Standard Deviation:	4.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.086118	10.0	2259919.0	0.430591	Y
2	IC 410-517601/14	0.5	0.195266	10.0	2249339.0	0.390533	Y
3	IC 410-517601/15	1.0	0.396921	10.0	2225227.0	0.396921	Y
4	IC 410-517601/16	2.0	0.794282	10.0	2217927.0	0.397141	Y
5	IC 410-517601/17	5.0	1.908946	10.0	2250394.0	0.381789	Y
6	ICIS 410-517601/18	10.0	3.779982	10.0	2282400.0	0.377998	Y
7	IC 410-517601/19	25.0	9.680275	10.0	2233108.0	0.387211	Y



Calibration / Bromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

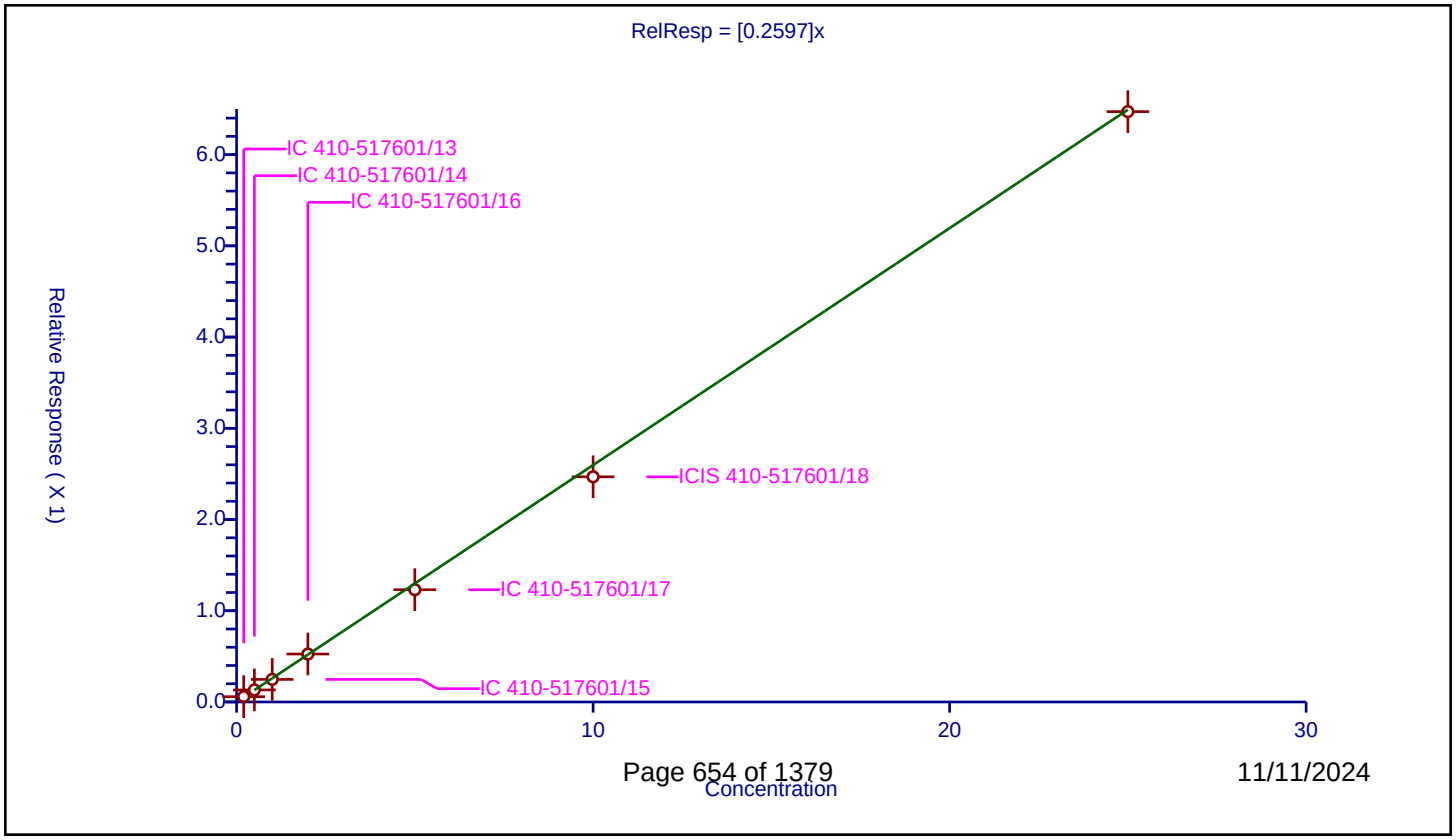
Curve Coefficients

Intercept:	0
Slope:	0.2597

Error Coefficients

Relative Standard Deviation:	6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.05821	10.0	2259919.0	0.29105	Y
2	IC 410-517601/14	0.5	0.132332	10.0	2249339.0	0.264664	Y
3	IC 410-517601/15	1.0	0.247521	10.0	2225227.0	0.247521	Y
4	IC 410-517601/16	2.0	0.525626	10.0	2217927.0	0.262813	Y
5	IC 410-517601/17	5.0	1.230687	10.0	2250394.0	0.246137	Y
6	ICIS 410-517601/18	10.0	2.468402	10.0	2282400.0	0.24684	Y
7	IC 410-517601/19	25.0	6.471232	10.0	2233108.0	0.258849	Y



Calibration / Chloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

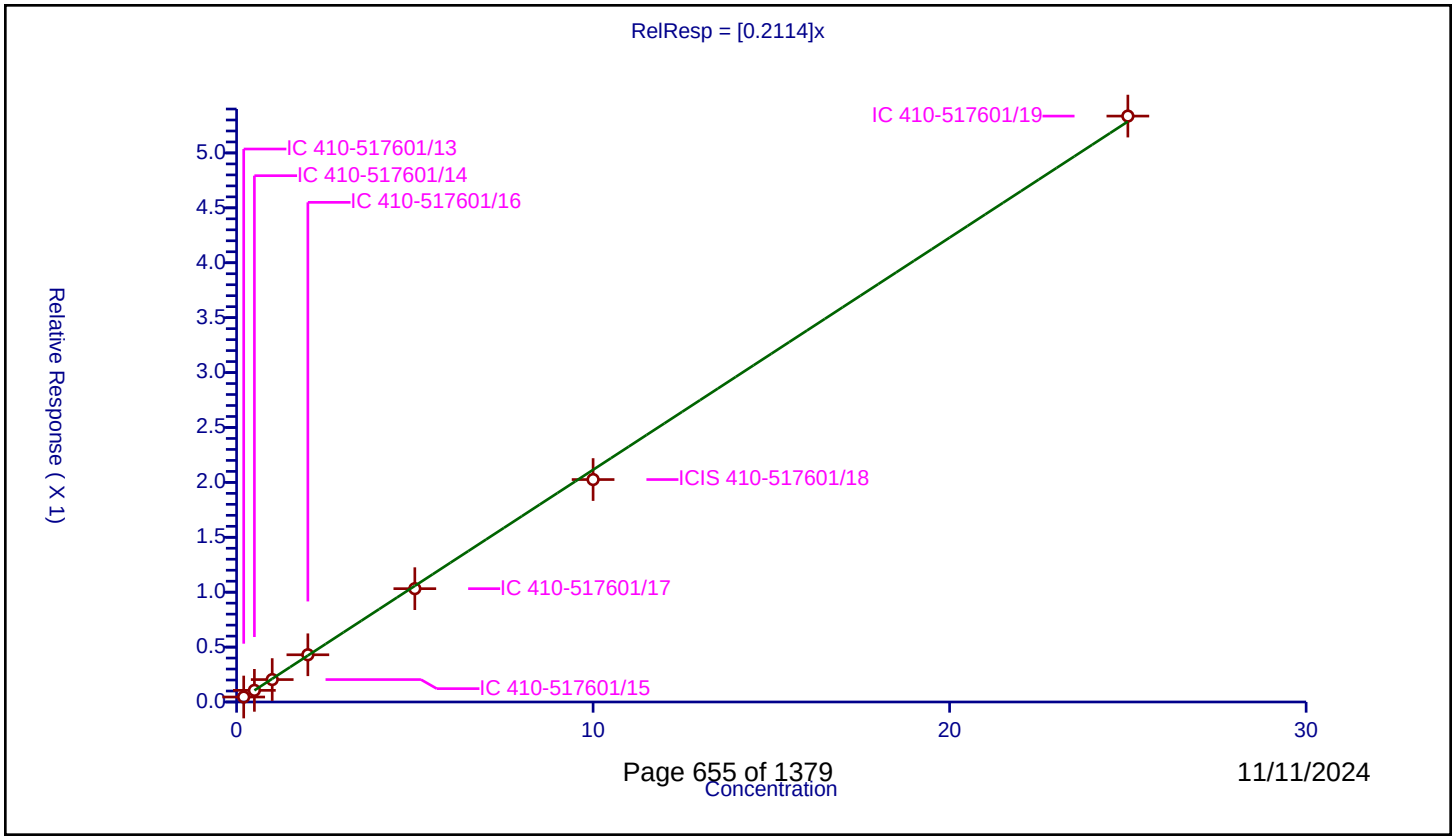
Curve Coefficients

Intercept:	0
Slope:	0.2114

Error Coefficients

Relative Standard Deviation:	3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.045303	10.0	2259919.0	0.226513	Y
2	IC 410-517601/14	0.5	0.106058	10.0	2249339.0	0.212116	Y
3	IC 410-517601/15	1.0	0.204092	10.0	2225227.0	0.204092	Y
4	IC 410-517601/16	2.0	0.430055	10.0	2217927.0	0.215027	Y
5	IC 410-517601/17	5.0	1.031975	10.0	2250394.0	0.206395	Y
6	ICIS 410-517601/18	10.0	2.025723	10.0	2282400.0	0.202572	Y
7	IC 410-517601/19	25.0	5.33555	10.0	2233108.0	0.213422	Y



Calibration / Dichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

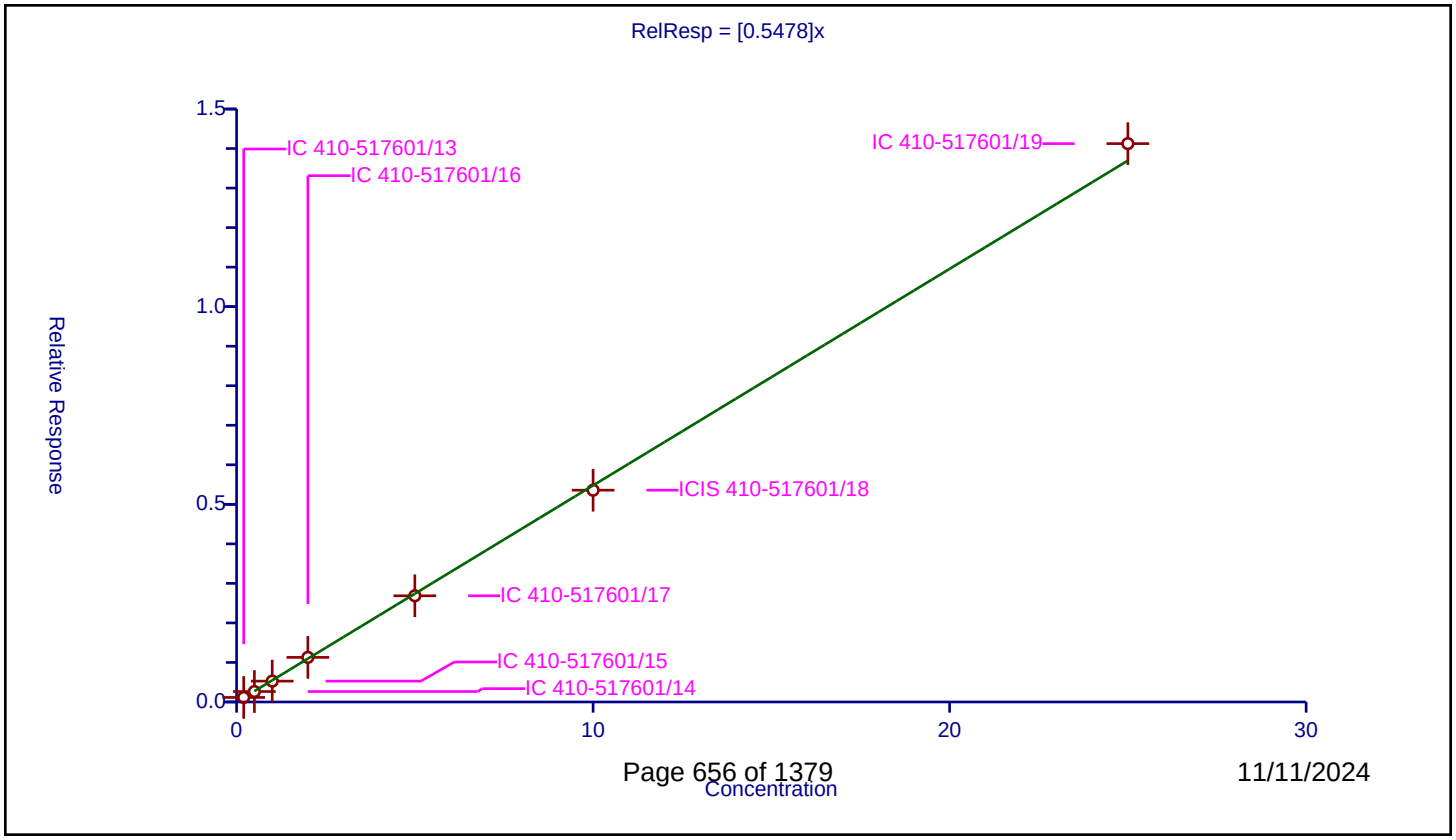
Curve Coefficients

Intercept:	0
Slope:	0.5478

Error Coefficients

Relative Standard Deviation:	3.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.114973	10.0	2259919.0	0.574866	Y
2	IC 410-517601/14	0.5	0.264971	10.0	2249339.0	0.529942	Y
3	IC 410-517601/15	1.0	0.527627	10.0	2225227.0	0.527627	Y
4	IC 410-517601/16	2.0	1.128193	10.0	2217927.0	0.564097	Y
5	IC 410-517601/17	5.0	2.68613	10.0	2250394.0	0.537226	Y
6	ICIS 410-517601/18	10.0	5.357654	10.0	2282400.0	0.535765	Y
7	IC 410-517601/19	25.0	14.124637	10.0	2233108.0	0.564985	Y



Calibration / Trichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

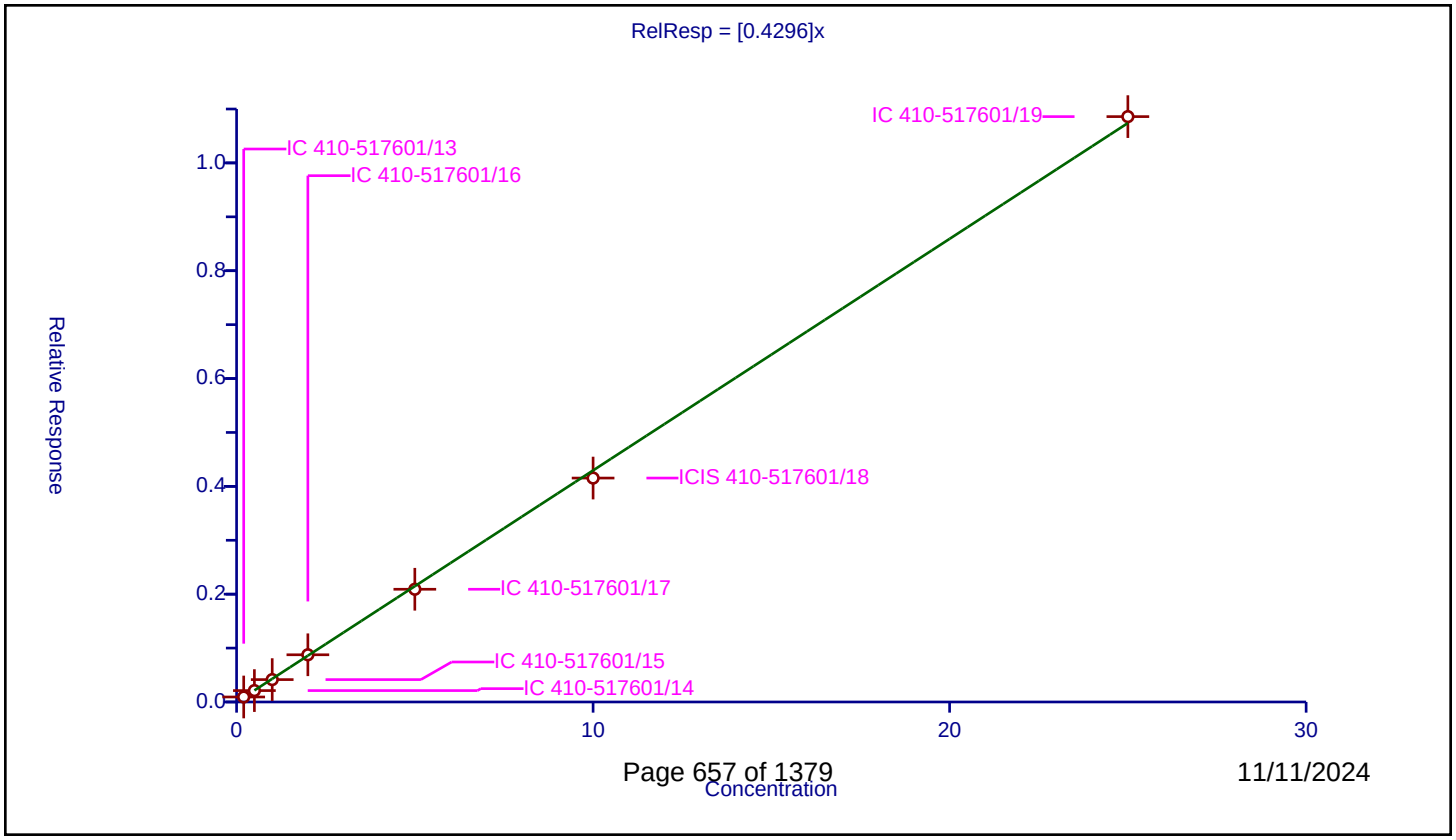
Curve Coefficients

Intercept:	0
Slope:	0.4296

Error Coefficients

Relative Standard Deviation:	4.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.092583	10.0	2259919.0	0.462915	Y
2	IC 410-517601/14	0.5	0.211391	10.0	2249339.0	0.422782	Y
3	IC 410-517601/15	1.0	0.415513	10.0	2225227.0	0.415513	Y
4	IC 410-517601/16	2.0	0.875809	10.0	2217927.0	0.437904	Y
5	IC 410-517601/17	5.0	2.091029	10.0	2250394.0	0.418206	Y
6	ICIS 410-517601/18	10.0	4.153891	10.0	2282400.0	0.415389	Y
7	IC 410-517601/19	25.0	10.858785	10.0	2233108.0	0.434351	Y



Calibration / Ethyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

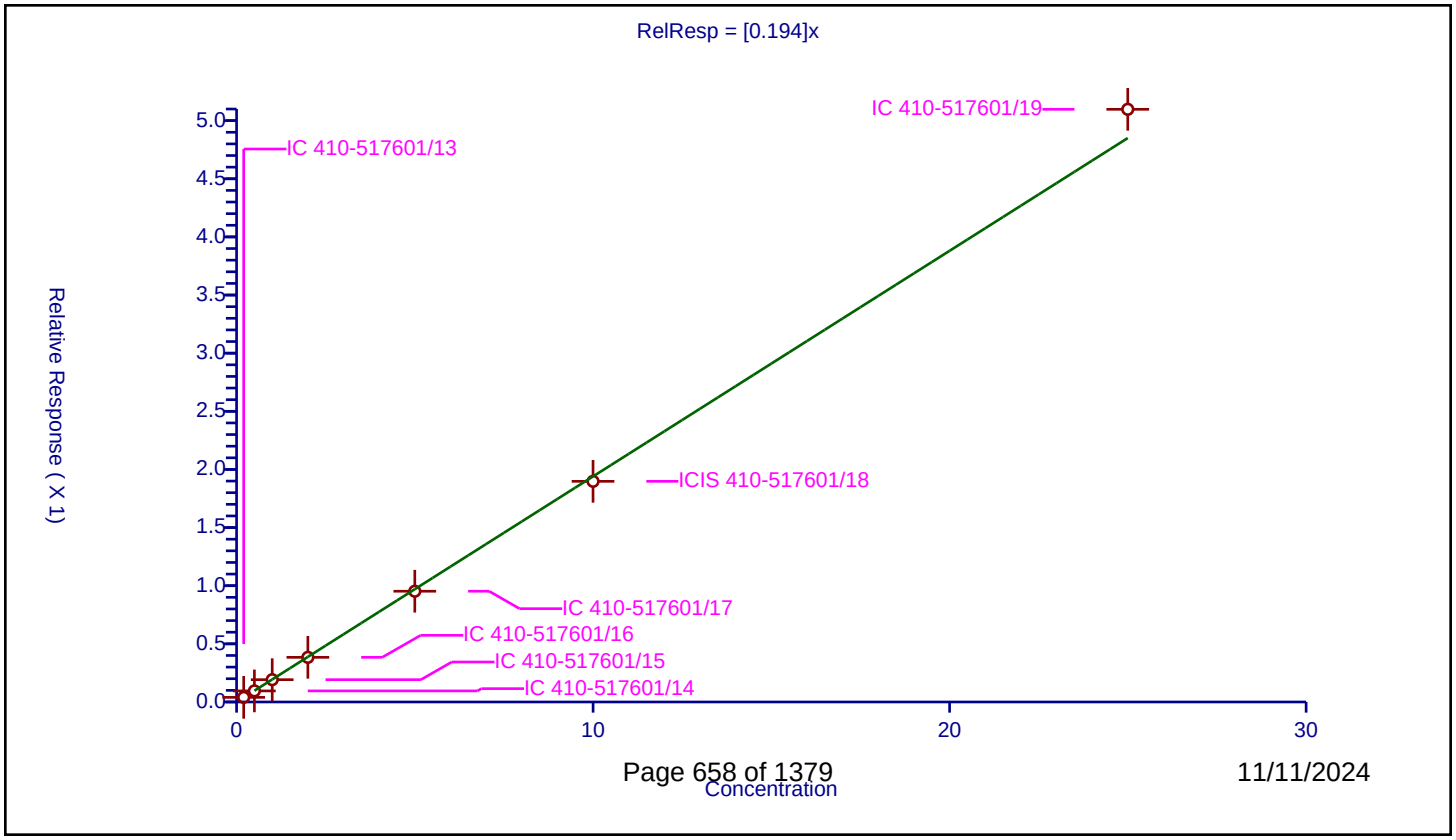
Curve Coefficients

Intercept:	0
Slope:	0.194

Error Coefficients

Relative Standard Deviation:	2.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.199979	0.039869	10.0	2259919.0	0.199364	Y
2	IC 410-517601/14	0.499948	0.095321	10.0	2249339.0	0.190662	Y
3	IC 410-517601/15	0.999897	0.191909	10.0	2225227.0	0.191928	Y
4	IC 410-517601/16	1.999794	0.383935	10.0	2217927.0	0.191987	Y
5	IC 410-517601/17	4.999484	0.95258	10.0	2250394.0	0.190536	Y
6	ICIS 410-517601/18	9.998968	1.897779	10.0	2282400.0	0.189797	Y
7	IC 410-517601/19	24.99742	5.097519	10.0	2233108.0	0.203922	Y



Calibration / 1,2-Dichloro-1,1,2-trifluoroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

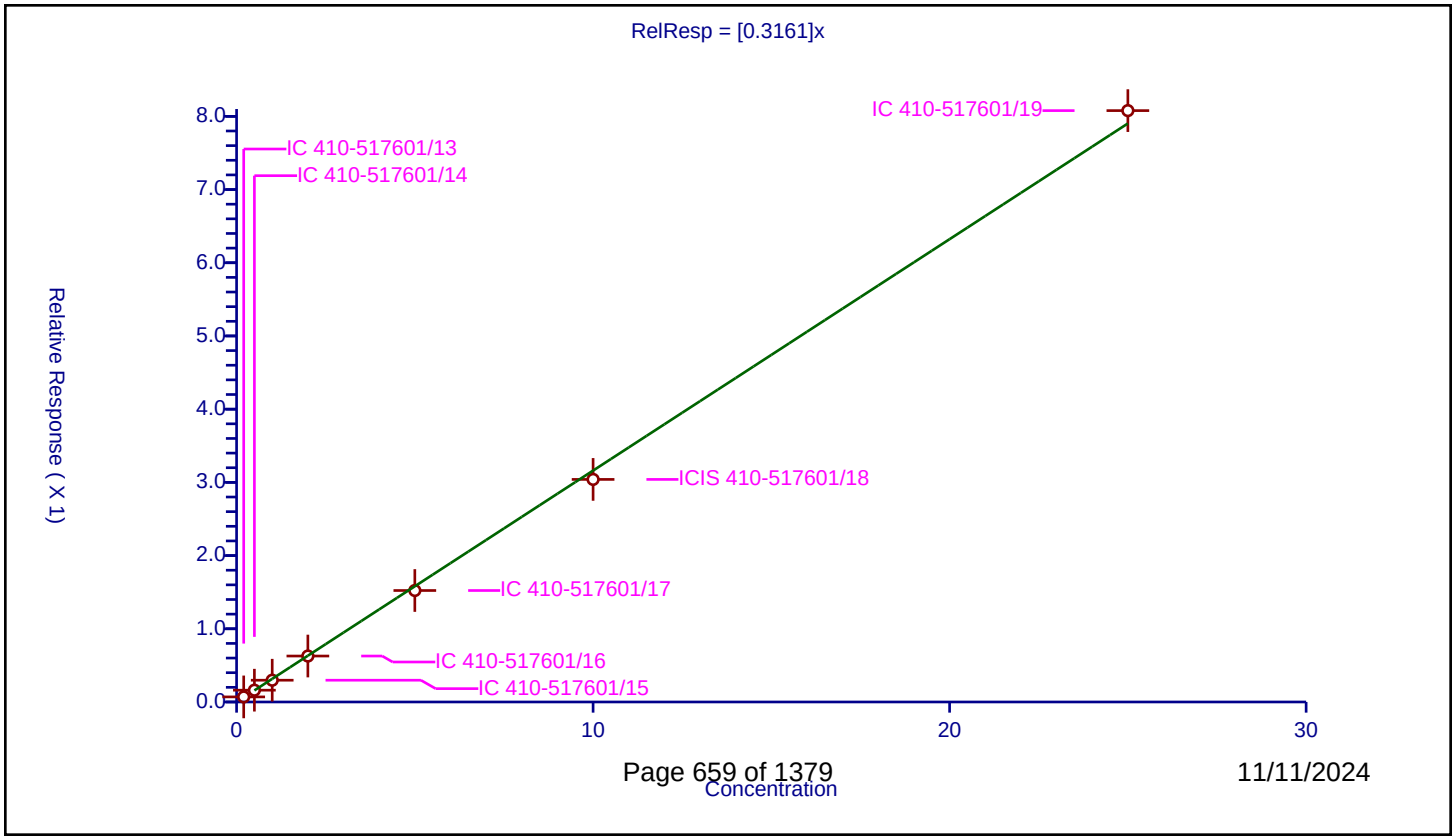
Curve Coefficients

Intercept:	0
Slope:	0.3161

Error Coefficients

Relative Standard Deviation:	5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.069489	10.0	2259919.0	0.347446	Y
2	IC 410-517601/14	0.5	0.16111	10.0	2249339.0	0.322219	Y
3	IC 410-517601/15	1.0	0.297484	10.0	2225227.0	0.297484	Y
4	IC 410-517601/16	2.0	0.627721	10.0	2217927.0	0.313861	Y
5	IC 410-517601/17	5.0	1.522738	10.0	2250394.0	0.304548	Y
6	ICIS 410-517601/18	10.0	3.040436	10.0	2282400.0	0.304044	Y
7	IC 410-517601/19	25.0	8.078199	10.0	2233108.0	0.323128	Y



Calibration / Acrolein

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

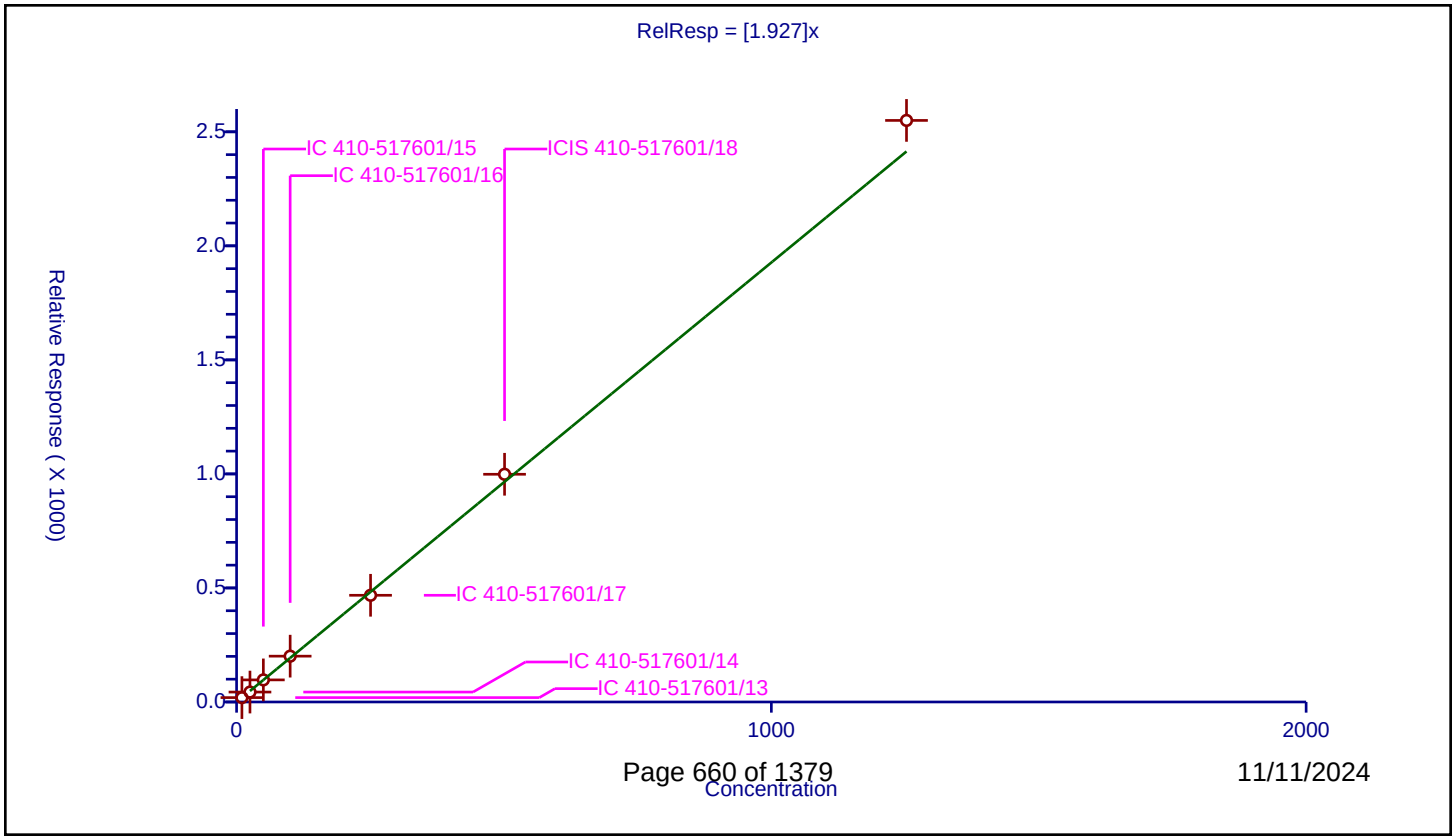
Curve Coefficients

Intercept:	0
Slope:	1.927

Error Coefficients

Relative Standard Deviation:	5.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	10.021996	19.212077	50.0	173659.0	1.916991	Y
2	IC 410-517601/14	25.054991	43.552239	50.0	188422.0	1.738266	Y
3	IC 410-517601/15	50.109981	96.875112	50.0	167862.0	1.93325	Y
4	IC 410-517601/16	100.219963	200.888863	50.0	164311.0	2.00448	Y
5	IC 410-517601/17	250.549907	467.859	50.0	180780.0	1.867329	Y
6	ICIS 410-517601/18	501.099813	998.459716	50.0	188699.0	1.992537	Y
7	IC 410-517601/19	1252.749533	2549.989369	50.0	188137.0	2.035514	Y



Calibration / 1,1-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

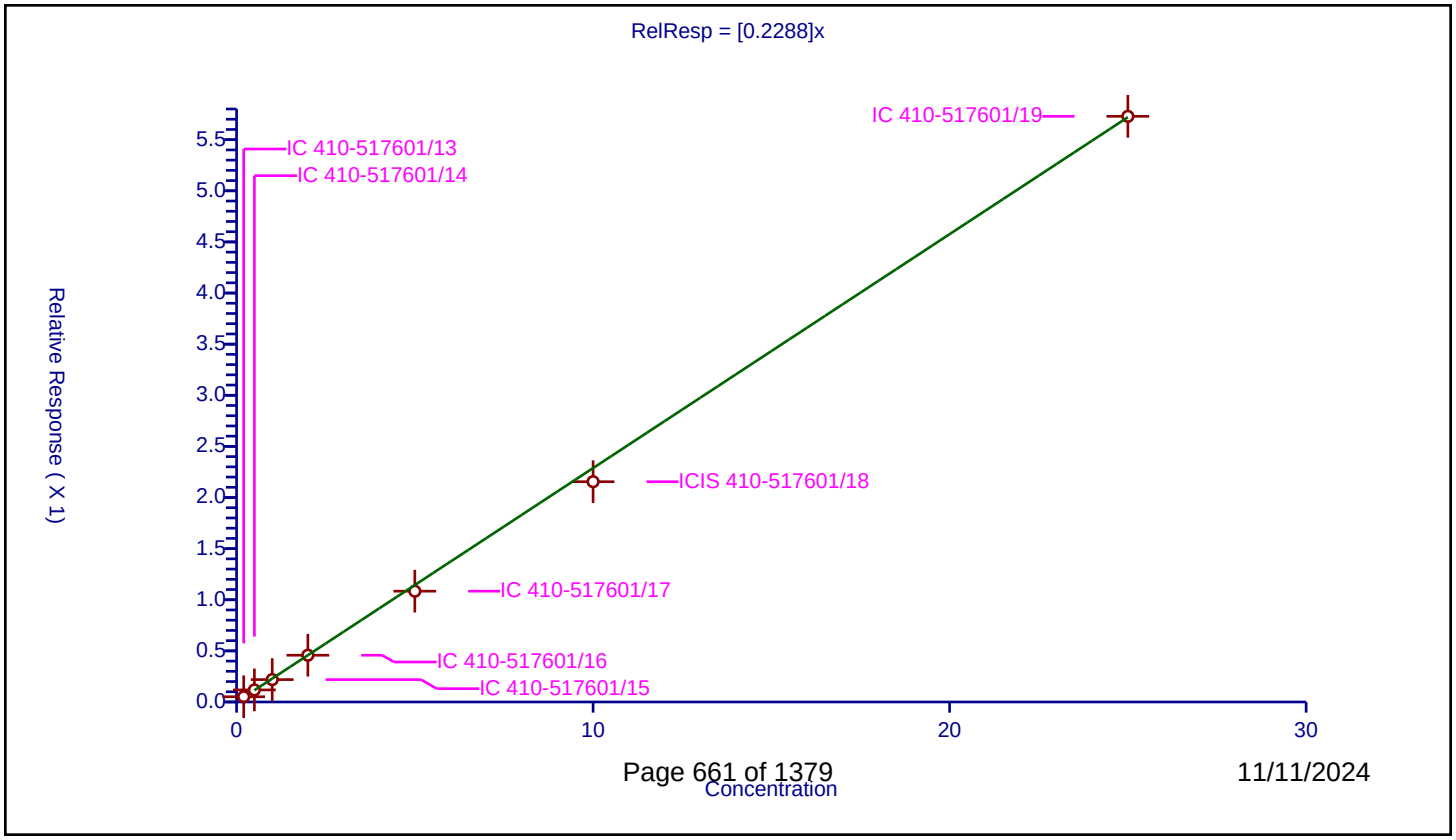
Curve Coefficients

Intercept:	0
Slope:	0.2288

Error Coefficients

Relative Standard Deviation:	6.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.051307	10.0	2259919.0	0.256536	Y
2	IC 410-517601/14	0.5	0.117972	10.0	2249339.0	0.235945	Y
3	IC 410-517601/15	1.0	0.218989	10.0	2225227.0	0.218989	Y
4	IC 410-517601/16	2.0	0.457468	10.0	2217927.0	0.228734	Y
5	IC 410-517601/17	5.0	1.083926	10.0	2250394.0	0.216785	Y
6	ICIS 410-517601/18	10.0	2.154517	10.0	2282400.0	0.215452	Y
7	IC 410-517601/19	25.0	5.728505	10.0	2233108.0	0.22914	Y



Calibration / Acetone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

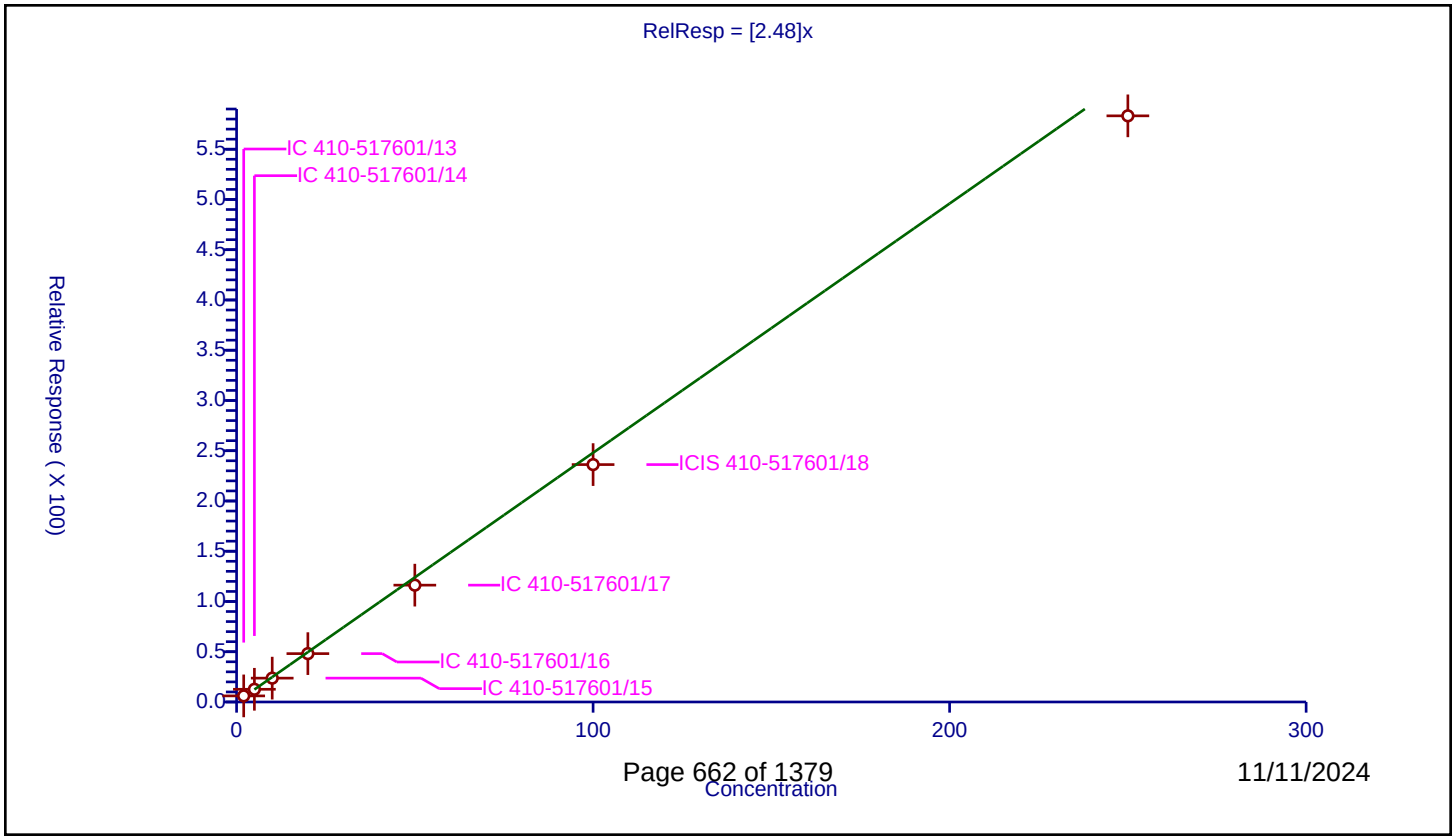
Curve Coefficients

Intercept:	0
Slope:	2.48

Error Coefficients

Relative Standard Deviation:	10.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	2.0	6.06188	50.0	173659.0	3.03094	Y
2	IC 410-517601/14	5.0	12.641305	50.0	188422.0	2.528261	Y
3	IC 410-517601/15	10.0	23.723654	50.0	167862.0	2.372365	Y
4	IC 410-517601/16	20.0	48.123071	50.0	164311.0	2.406154	Y
5	IC 410-517601/17	50.0	116.252351	50.0	180780.0	2.325047	Y
6	ICIS 410-517601/18	100.0	236.206339	50.0	188699.0	2.362063	Y
7	IC 410-517601/19	250.0	583.214094	50.0	188137.0	2.332856	Y



Calibration / 1,1,2-Trichloro-1,2,2-trifluoroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

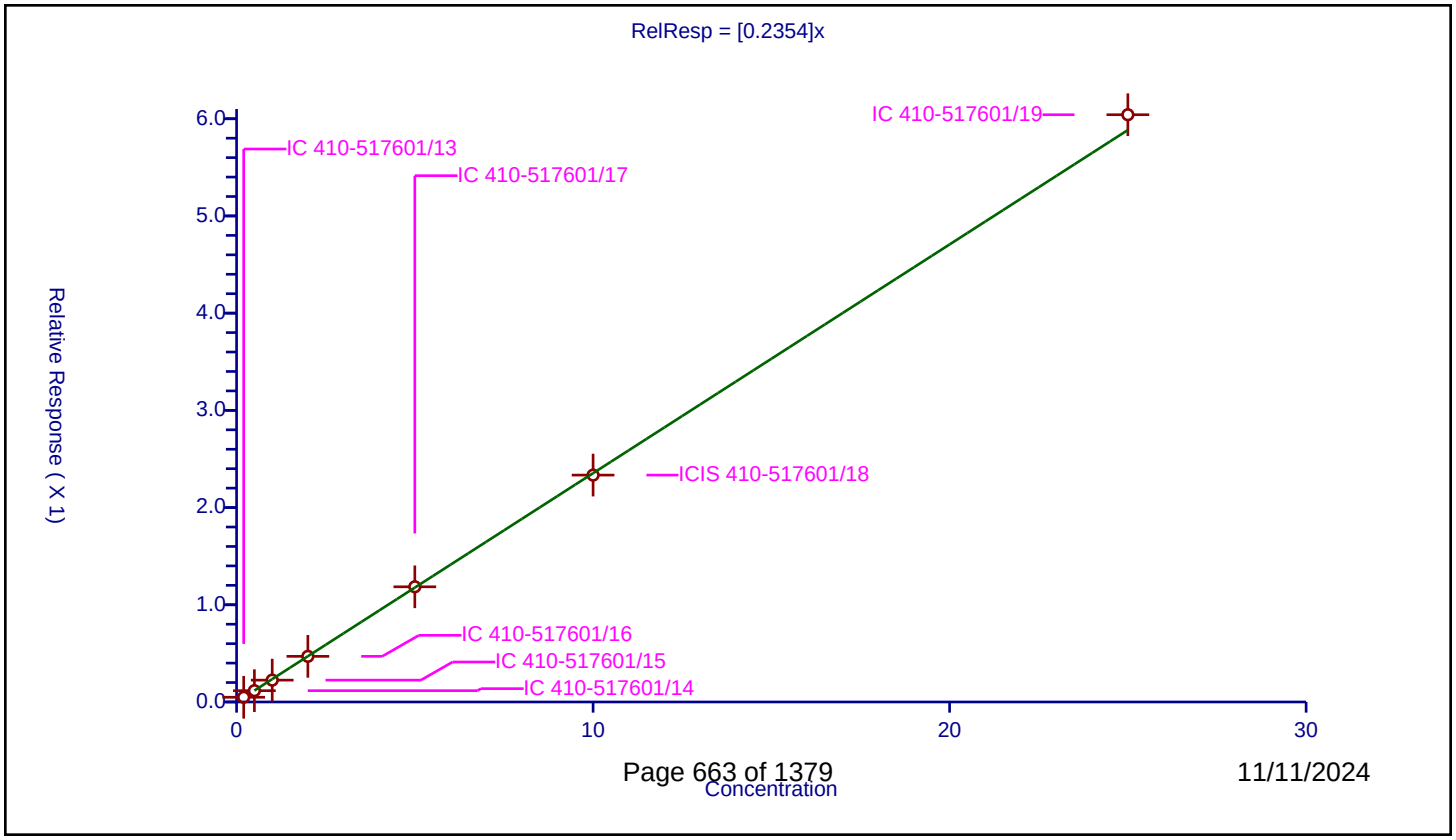
Curve Coefficients

Intercept:	0
Slope:	0.2354

Error Coefficients

Relative Standard Deviation:	2.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.04863	10.0	2259919.0	0.24315	Y
2	IC 410-517601/14	0.5	0.116385	10.0	2249339.0	0.232771	Y
3	IC 410-517601/15	1.0	0.224701	10.0	2225227.0	0.224701	Y
4	IC 410-517601/16	2.0	0.469601	10.0	2217927.0	0.2348	Y
5	IC 410-517601/17	5.0	1.185055	10.0	2250394.0	0.237011	Y
6	ICIS 410-517601/18	10.0	2.334039	10.0	2282400.0	0.233404	Y
7	IC 410-517601/19	25.0	6.041226	10.0	2233108.0	0.241649	Y



Calibration / Iodomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

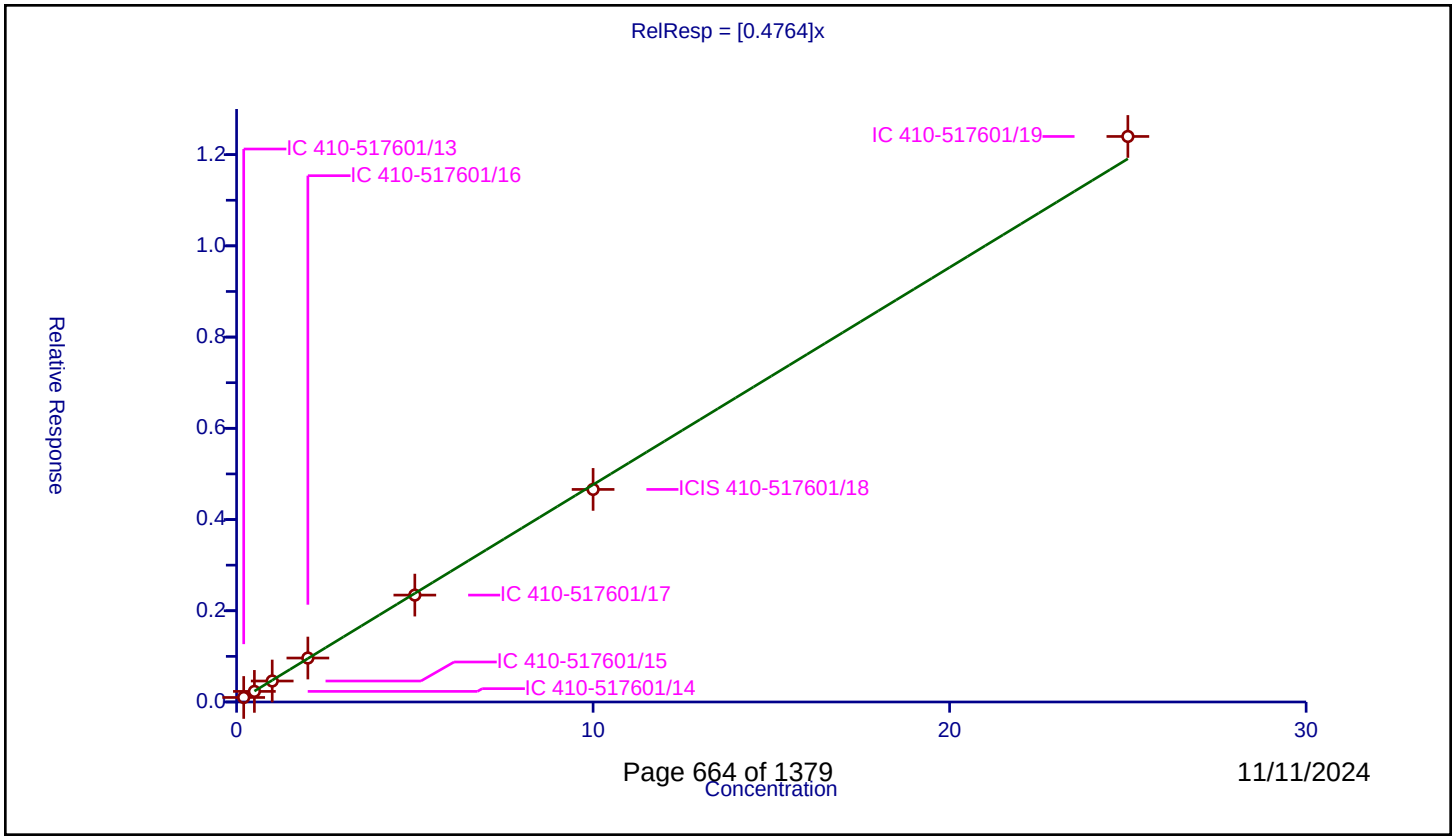
Curve Coefficients

Intercept:	0
Slope:	0.4764

Error Coefficients

Relative Standard Deviation:	3.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.099358	10.0	2259919.0	0.496788	Y
2	IC 410-517601/14	0.5	0.232588	10.0	2249339.0	0.465177	Y
3	IC 410-517601/15	1.0	0.459958	10.0	2225227.0	0.459958	Y
4	IC 410-517601/16	2.0	0.963936	10.0	2217927.0	0.481968	Y
5	IC 410-517601/17	5.0	2.34331	10.0	2250394.0	0.468662	Y
6	ICIS 410-517601/18	10.0	4.660147	10.0	2282400.0	0.466015	Y
7	IC 410-517601/19	25.0	12.398509	10.0	2233108.0	0.49594	Y



Calibration / Ethyl bromide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

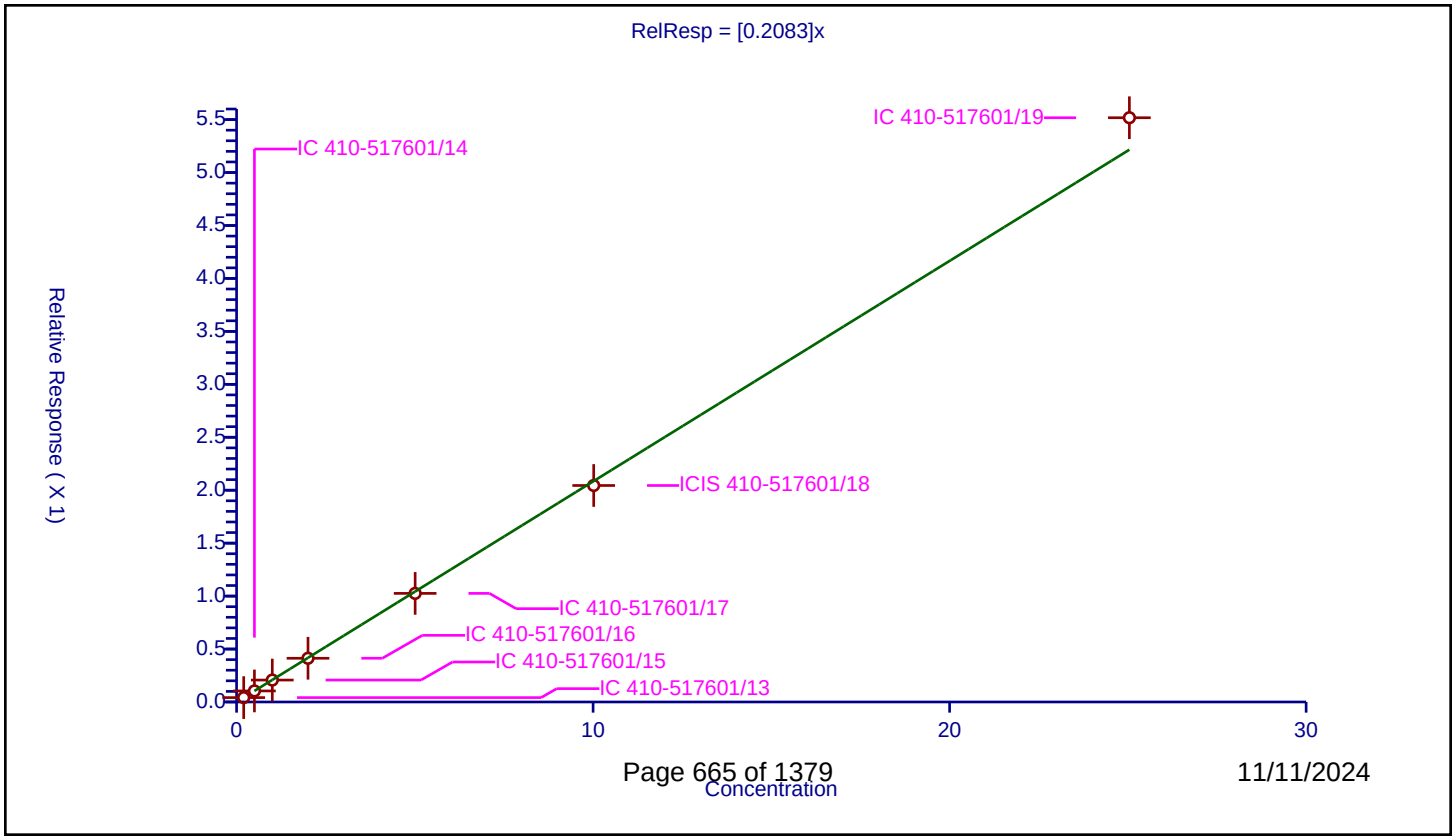
Curve Coefficients

Intercept:	0
Slope:	0.2083

Error Coefficients

Relative Standard Deviation:	2.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.20034	0.04155	10.0	2259919.0	0.207398	Y
2	IC 410-517601/14	0.50085	0.104422	10.0	2249339.0	0.208489	Y
3	IC 410-517601/15	1.0017	0.207071	10.0	2225227.0	0.20672	Y
4	IC 410-517601/16	2.0034	0.41294	10.0	2217927.0	0.206119	Y
5	IC 410-517601/17	5.0085	1.02554	10.0	2250394.0	0.20476	Y
6	ICIS 410-517601/18	10.017	2.04455	10.0	2282400.0	0.204108	Y
7	IC 410-517601/19	25.0425	5.517763	10.0	2233108.0	0.220336	Y



Calibration / Carbon disulfide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

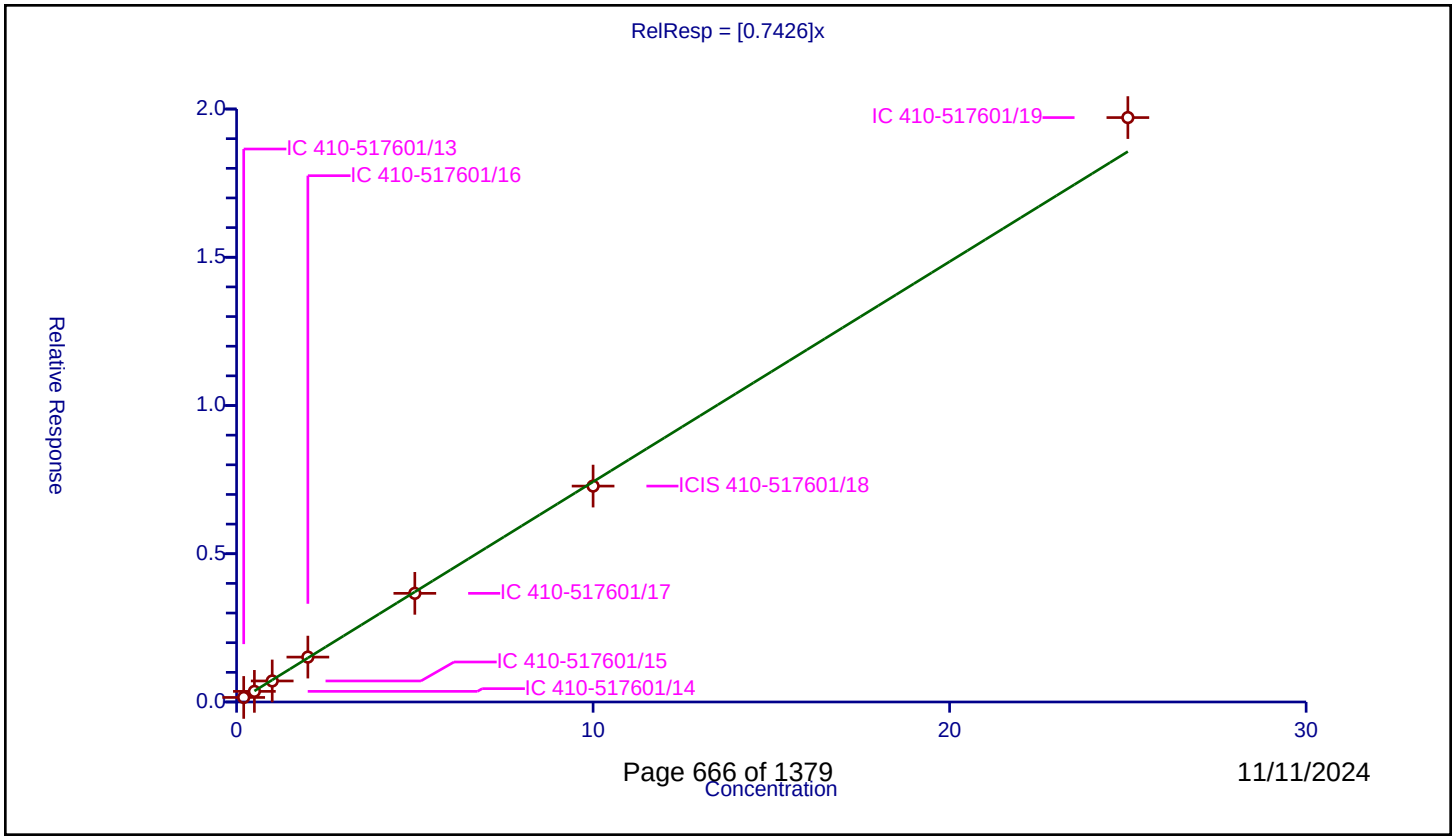
Curve Coefficients

Intercept:	0
Slope:	0.7426

Error Coefficients

Relative Standard Deviation:	3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.153293	10.0	2259919.0	0.766466	Y
2	IC 410-517601/14	0.5	0.358047	10.0	2249339.0	0.716095	Y
3	IC 410-517601/15	1.0	0.708948	10.0	2225227.0	0.708948	Y
4	IC 410-517601/16	2.0	1.514306	10.0	2217927.0	0.757153	Y
5	IC 410-517601/17	5.0	3.664643	10.0	2250394.0	0.732929	Y
6	ICIS 410-517601/18	10.0	7.282518	10.0	2282400.0	0.728252	Y
7	IC 410-517601/19	25.0	19.711608	10.0	2233108.0	0.788464	Y



Calibration / Methyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

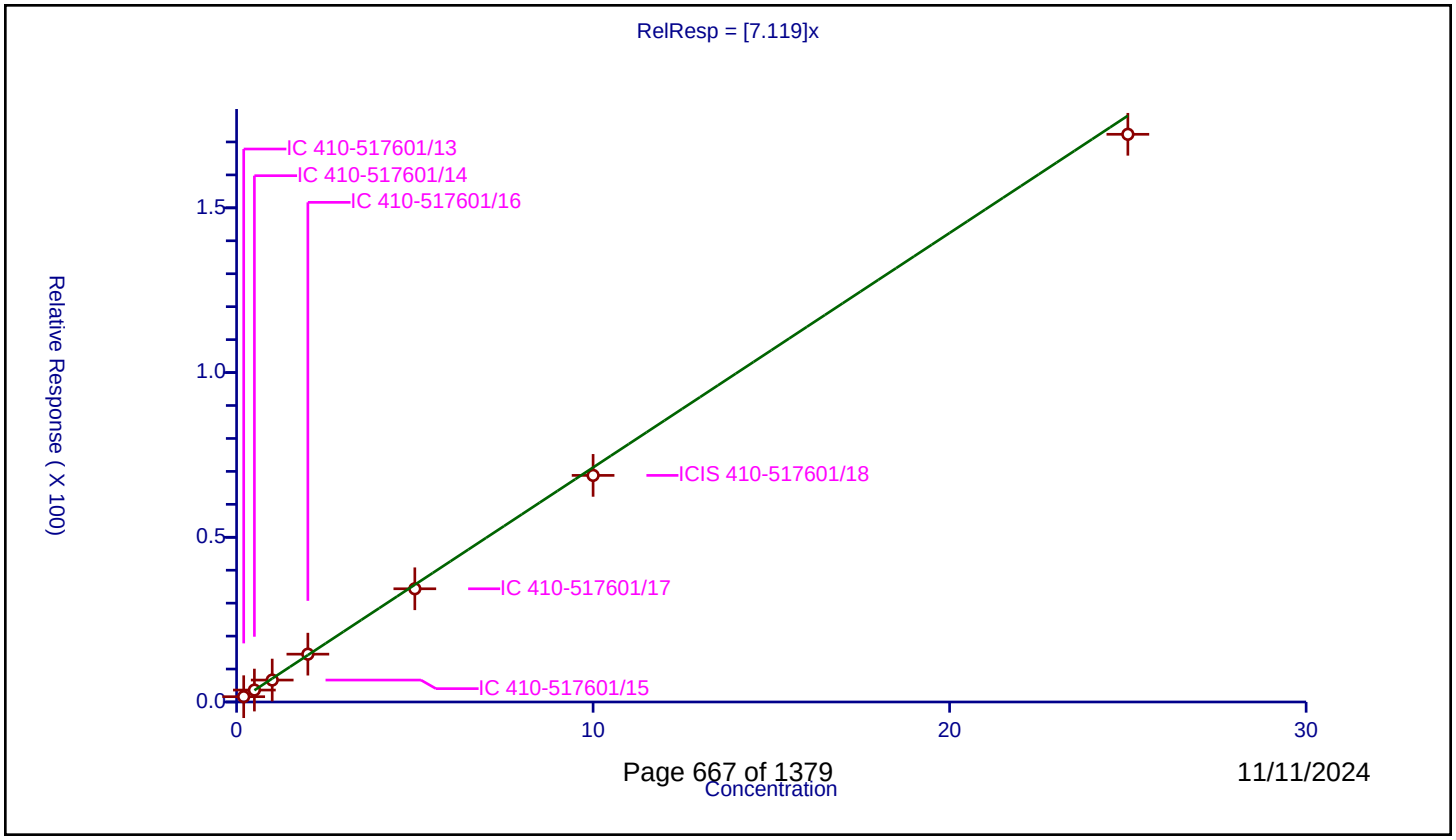
Curve Coefficients

Intercept:	0
Slope:	7.119

Error Coefficients

Relative Standard Deviation:	6.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	1.60343	50.0	173659.0	8.017149	Y
2	IC 410-517601/14	0.5	3.624311	50.0	188422.0	7.248623	Y
3	IC 410-517601/15	1.0	6.661722	50.0	167862.0	6.661722	Y
4	IC 410-517601/16	2.0	14.52033	50.0	164311.0	7.260165	Y
5	IC 410-517601/17	5.0	34.366633	50.0	180780.0	6.873327	Y
6	ICIS 410-517601/18	10.0	68.785738	50.0	188699.0	6.878574	Y
7	IC 410-517601/19	25.0	172.325752	50.0	188137.0	6.89303	Y



Calibration / 3-Chloro-1-propene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

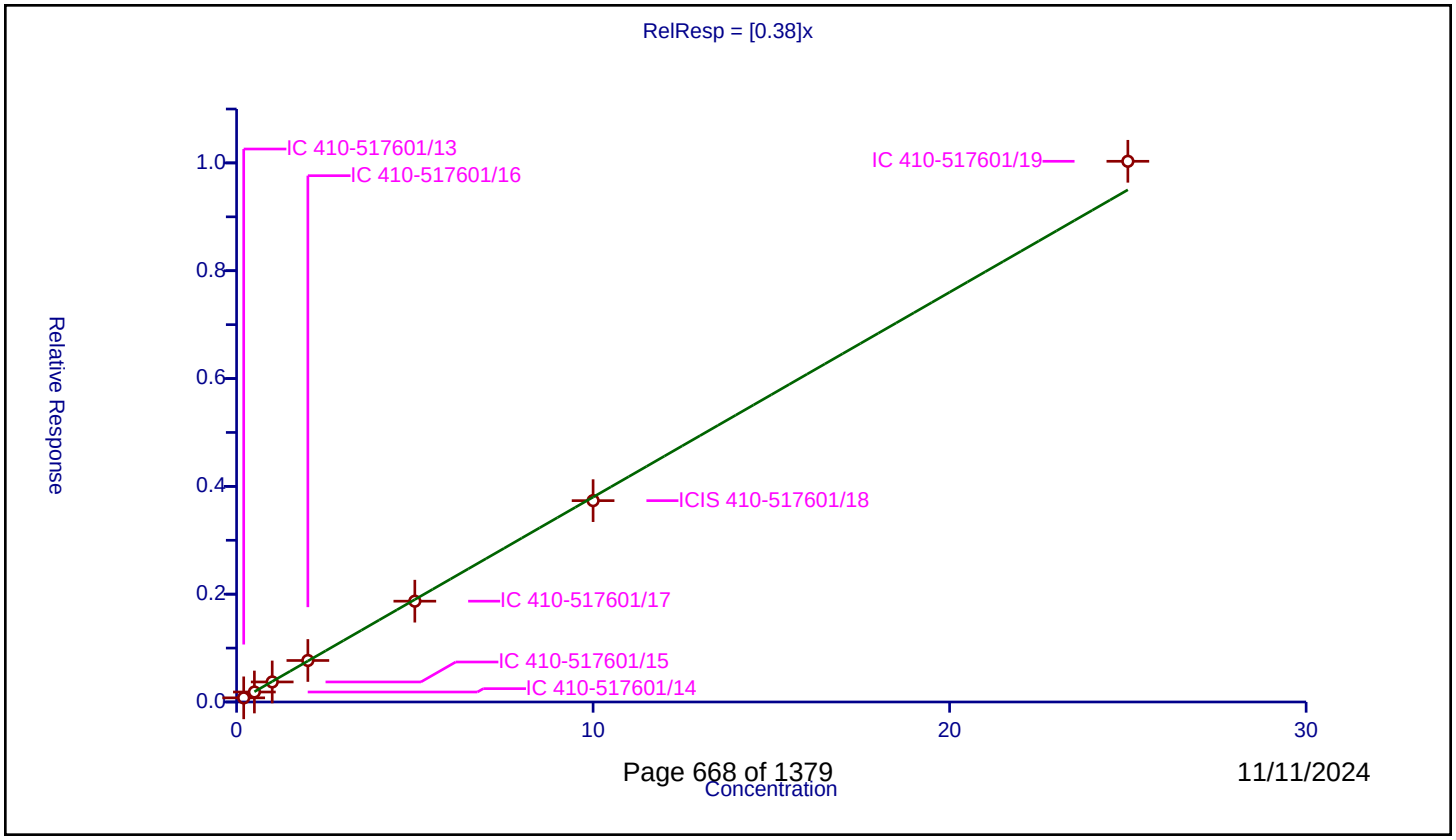
Curve Coefficients

Intercept:	0
Slope:	0.38

Error Coefficients

Relative Standard Deviation:	2.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.076826	10.0	2259919.0	0.384129	Y
2	IC 410-517601/14	0.5	0.185277	10.0	2249339.0	0.370553	Y
3	IC 410-517601/15	1.0	0.371935	10.0	2225227.0	0.371935	Y
4	IC 410-517601/16	2.0	0.769804	10.0	2217927.0	0.384902	Y
5	IC 410-517601/17	5.0	1.870206	10.0	2250394.0	0.374041	Y
6	ICIS 410-517601/18	10.0	3.735287	10.0	2282400.0	0.373529	Y
7	IC 410-517601/19	25.0	10.030433	10.0	2233108.0	0.401217	Y



Calibration / Methylene Chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

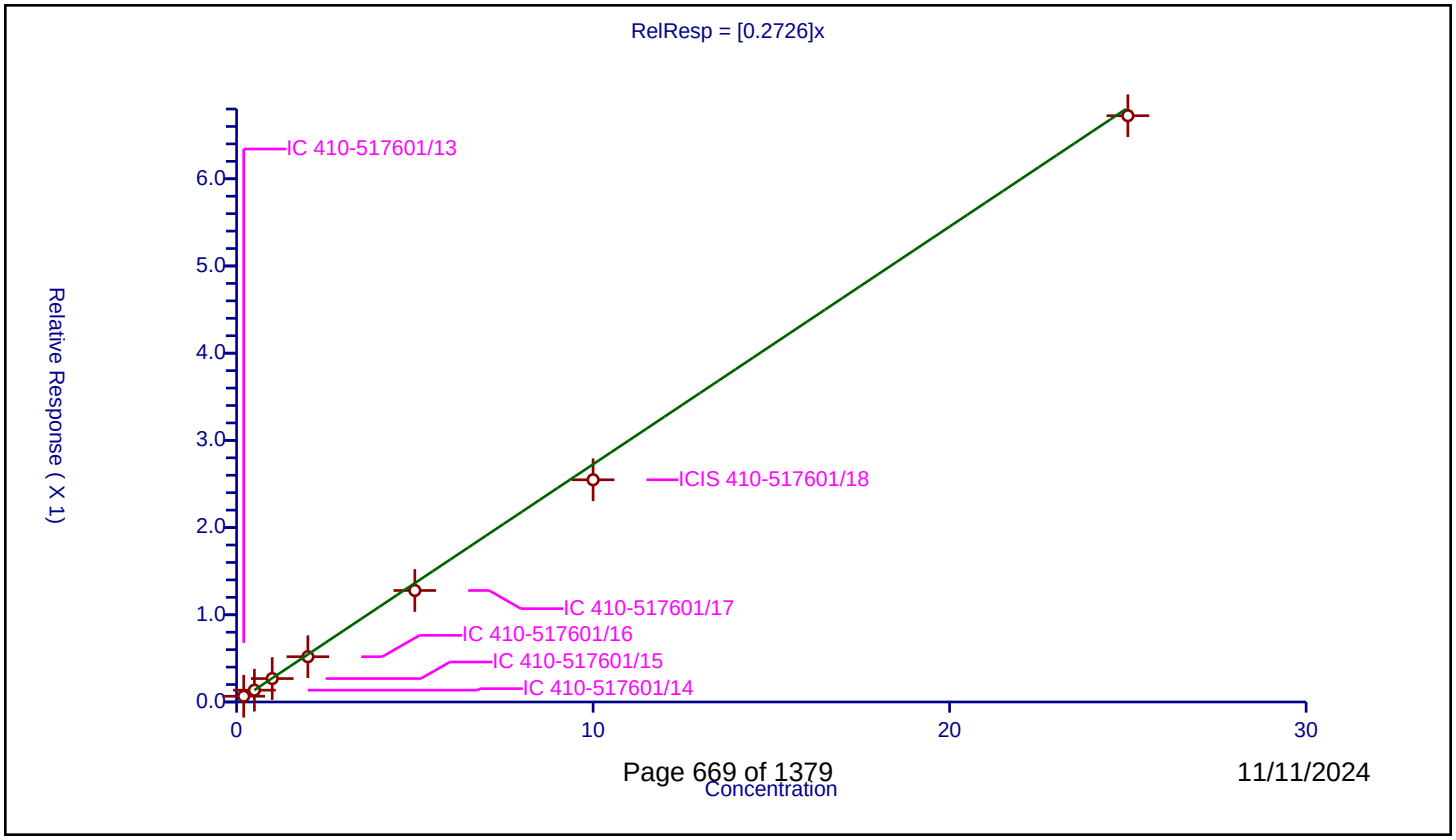
Curve Coefficients

Intercept:	0
Slope:	0.2726

Error Coefficients

Relative Standard Deviation:	9.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.065852	10.0	2259919.0	0.32926	Y
2	IC 410-517601/14	0.5	0.135546	10.0	2249339.0	0.271093	Y
3	IC 410-517601/15	1.0	0.268669	10.0	2225227.0	0.268669	Y
4	IC 410-517601/16	2.0	0.519061	10.0	2217927.0	0.259531	Y
5	IC 410-517601/17	5.0	1.278763	10.0	2250394.0	0.255753	Y
6	ICIS 410-517601/18	10.0	2.548042	10.0	2282400.0	0.254804	Y
7	IC 410-517601/19	25.0	6.723177	10.0	2233108.0	0.268927	Y



Calibration / 2-Methyl-2-propanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

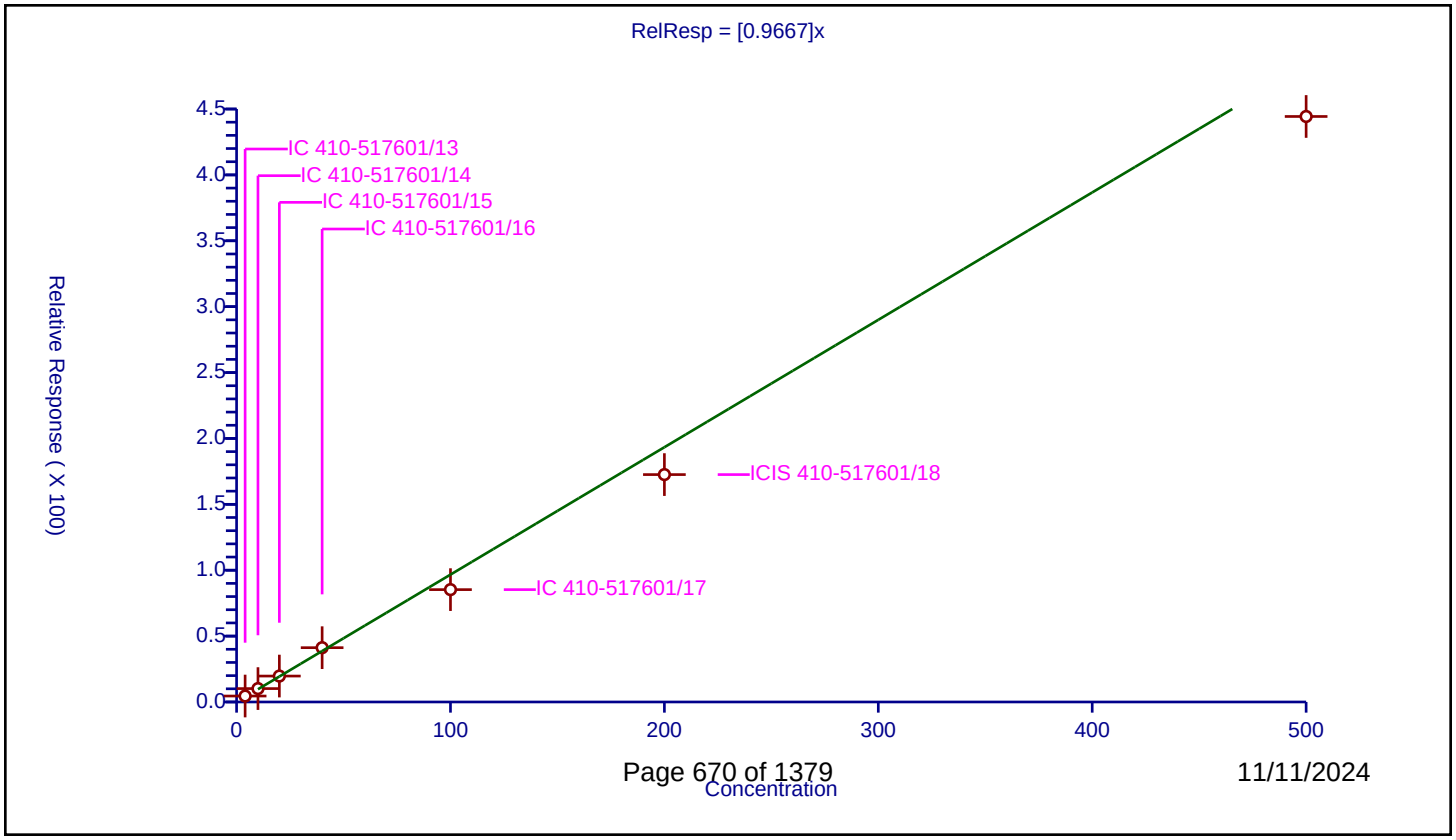
Curve Coefficients

Intercept:	0
Slope:	0.9667

Error Coefficients

Relative Standard Deviation:	10.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	4.0	4.529279	50.0	173659.0	1.13232	Y
2	IC 410-517601/14	10.0	10.159111	50.0	188422.0	1.015911	Y
3	IC 410-517601/15	20.0	19.678069	50.0	167862.0	0.983903	Y
4	IC 410-517601/16	40.0	41.219395	50.0	164311.0	1.030485	Y
5	IC 410-517601/17	100.0	85.272154	50.0	180780.0	0.852722	Y
6	ICIS 410-517601/18	200.0	172.570337	50.0	188699.0	0.862852	Y
7	IC 410-517601/19	500.0	444.337903	50.0	188137.0	0.888676	Y



Calibration / Acrylonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

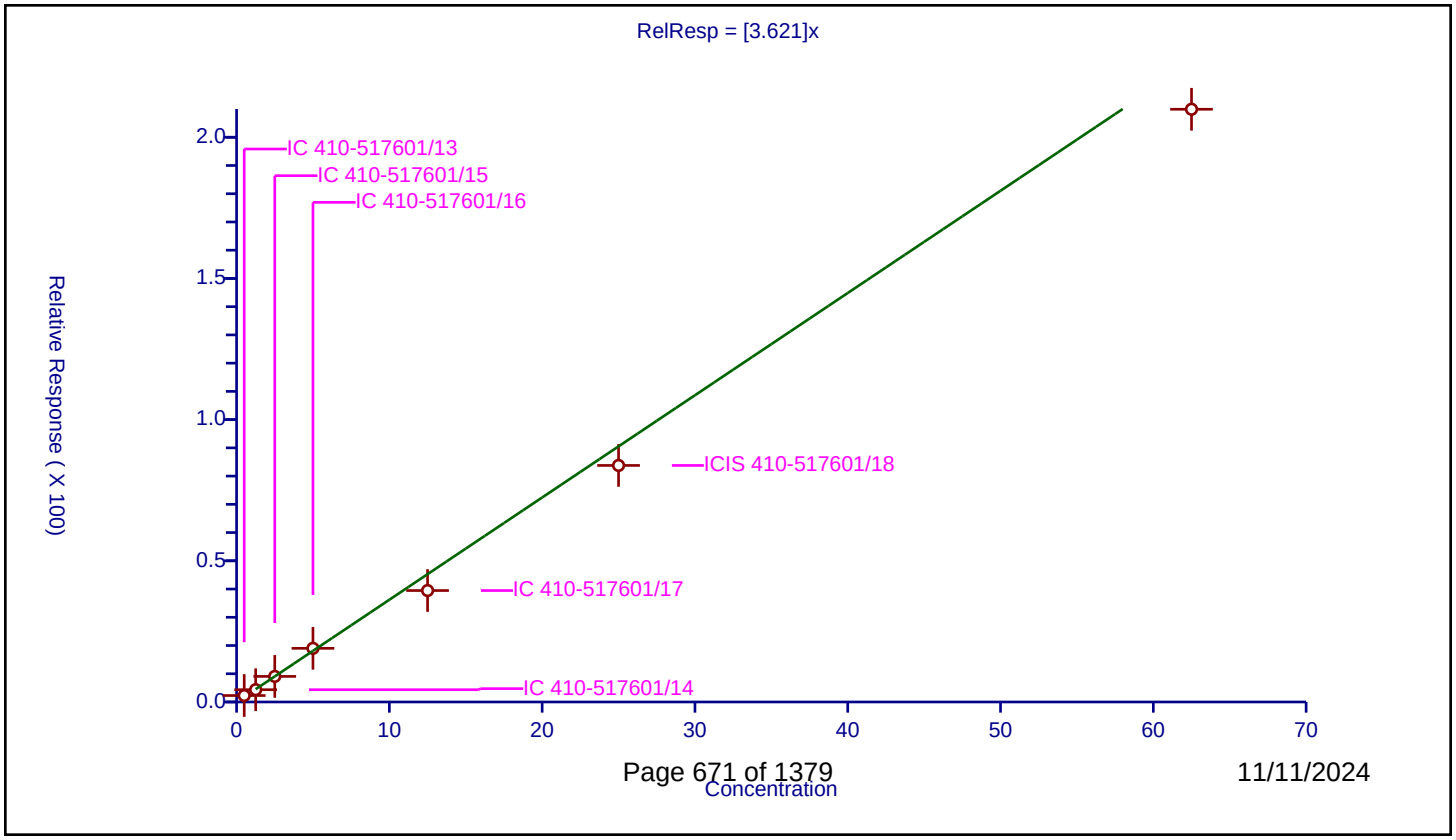
Curve Coefficients

Intercept:	0
Slope:	3.621

Error Coefficients

Relative Standard Deviation:	12.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.5	2.287241	50.0	173659.0	4.574482	Y
2	IC 410-517601/14	1.25	4.350872	50.0	188422.0	3.480698	Y
3	IC 410-517601/15	2.5	9.058929	50.0	167862.0	3.623572	Y
4	IC 410-517601/16	5.0	19.00877	50.0	164311.0	3.801754	Y
5	IC 410-517601/17	12.5	39.466202	50.0	180780.0	3.157296	Y
6	ICIS 410-517601/18	25.0	83.769124	50.0	188699.0	3.350765	Y
7	IC 410-517601/19	62.5	209.910597	50.0	188137.0	3.35857	Y



Calibration / Methyl tert-butyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

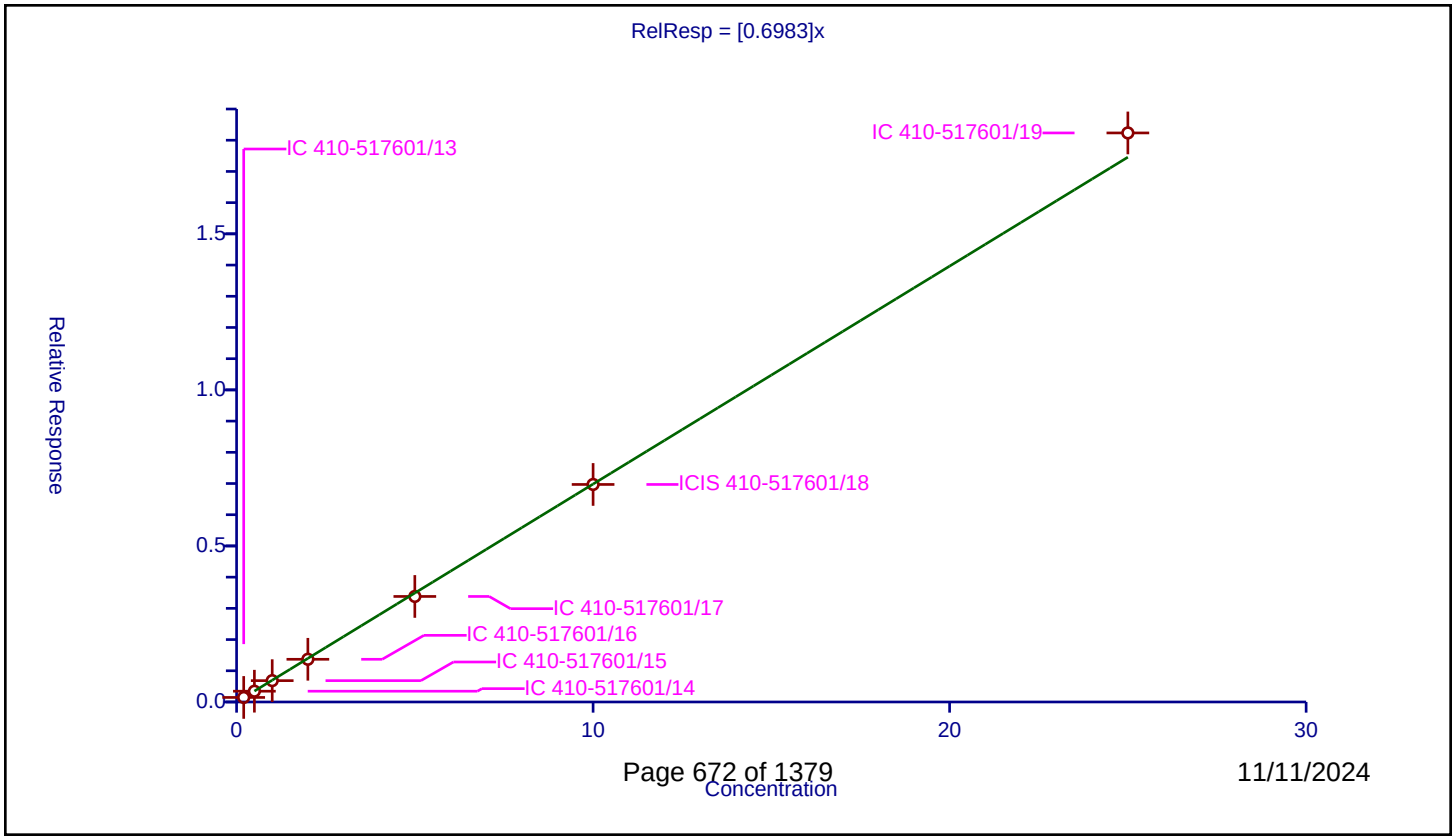
Curve Coefficients

Intercept:	0
Slope:	0.6983

Error Coefficients

Relative Standard Deviation:	3.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.145302	10.0	2259919.0	0.726508	Y
2	IC 410-517601/14	0.5	0.345217	10.0	2249339.0	0.690434	Y
3	IC 410-517601/15	1.0	0.683939	10.0	2225227.0	0.683939	Y
4	IC 410-517601/16	2.0	1.368692	10.0	2217927.0	0.684346	Y
5	IC 410-517601/17	5.0	3.381652	10.0	2250394.0	0.67633	Y
6	ICIS 410-517601/18	10.0	6.970053	10.0	2282400.0	0.697005	Y
7	IC 410-517601/19	25.0	18.233713	10.0	2233108.0	0.729349	Y



Calibration / trans-1,2-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

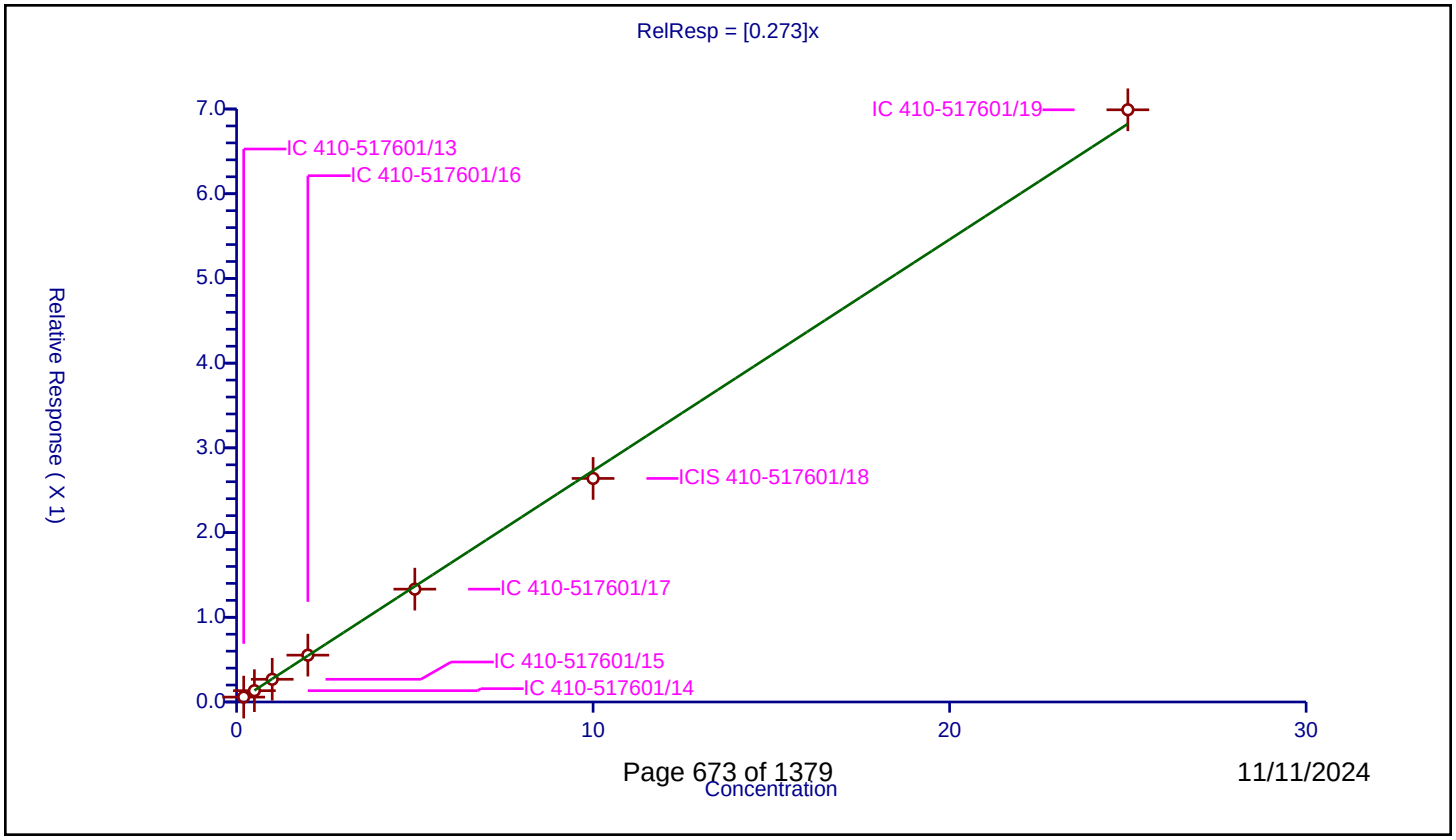
Curve Coefficients

Intercept:	0
Slope:	0.273

Error Coefficients

Relative Standard Deviation:	3.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.057883	10.0	2259919.0	0.289413	Y
2	IC 410-517601/14	0.5	0.133639	10.0	2249339.0	0.267279	Y
3	IC 410-517601/15	1.0	0.267905	10.0	2225227.0	0.267905	Y
4	IC 410-517601/16	2.0	0.552908	10.0	2217927.0	0.276454	Y
5	IC 410-517601/17	5.0	1.332042	10.0	2250394.0	0.266408	Y
6	ICIS 410-517601/18	10.0	2.639042	10.0	2282400.0	0.263904	Y
7	IC 410-517601/19	25.0	6.990889	10.0	2233108.0	0.279636	Y



Calibration / Hexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

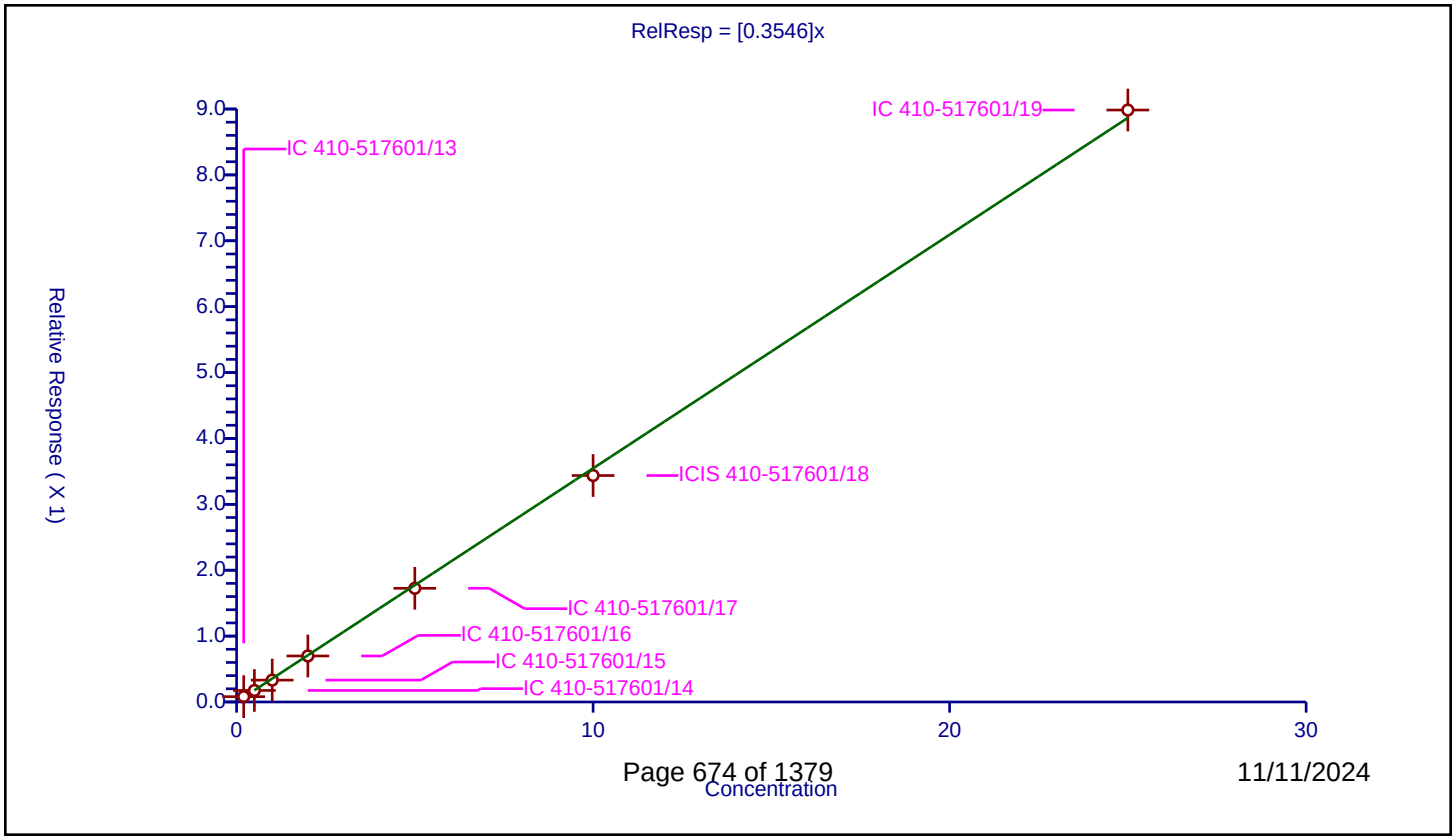
Curve Coefficients

Intercept:	0
Slope:	0.3546

Error Coefficients

Relative Standard Deviation:	6.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.080591	10.0	2259919.0	0.402957	Y
2	IC 410-517601/14	0.5	0.174882	10.0	2249339.0	0.349765	Y
3	IC 410-517601/15	1.0	0.332195	10.0	2225227.0	0.332195	Y
4	IC 410-517601/16	2.0	0.698508	10.0	2217927.0	0.349254	Y
5	IC 410-517601/17	5.0	1.725489	10.0	2250394.0	0.345098	Y
6	ICIS 410-517601/18	10.0	3.437136	10.0	2282400.0	0.343714	Y
7	IC 410-517601/19	25.0	8.98481	10.0	2233108.0	0.359392	Y



Calibration / 1,1-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

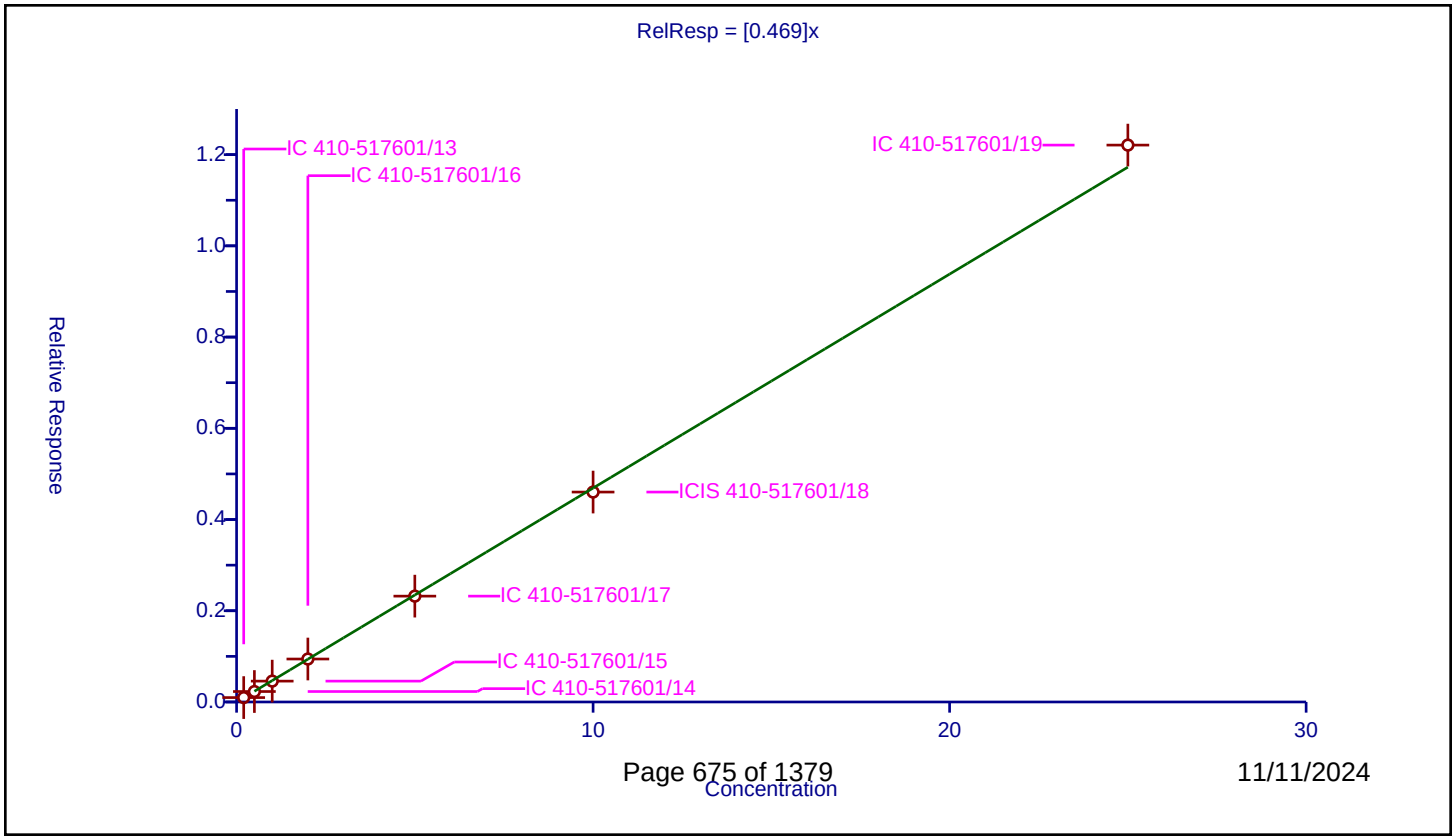
Curve Coefficients

Intercept:	0
Slope:	0.469

Error Coefficients

Relative Standard Deviation:	2.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.096601	10.0	2259919.0	0.483004	Y
2	IC 410-517601/14	0.5	0.229459	10.0	2249339.0	0.458917	Y
3	IC 410-517601/15	1.0	0.457481	10.0	2225227.0	0.457481	Y
4	IC 410-517601/16	2.0	0.941947	10.0	2217927.0	0.470974	Y
5	IC 410-517601/17	5.0	2.320674	10.0	2250394.0	0.464135	Y
6	ICIS 410-517601/18	10.0	4.602305	10.0	2282400.0	0.46023	Y
7	IC 410-517601/19	25.0	12.209083	10.0	2233108.0	0.488363	Y



Calibration / Isopropyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

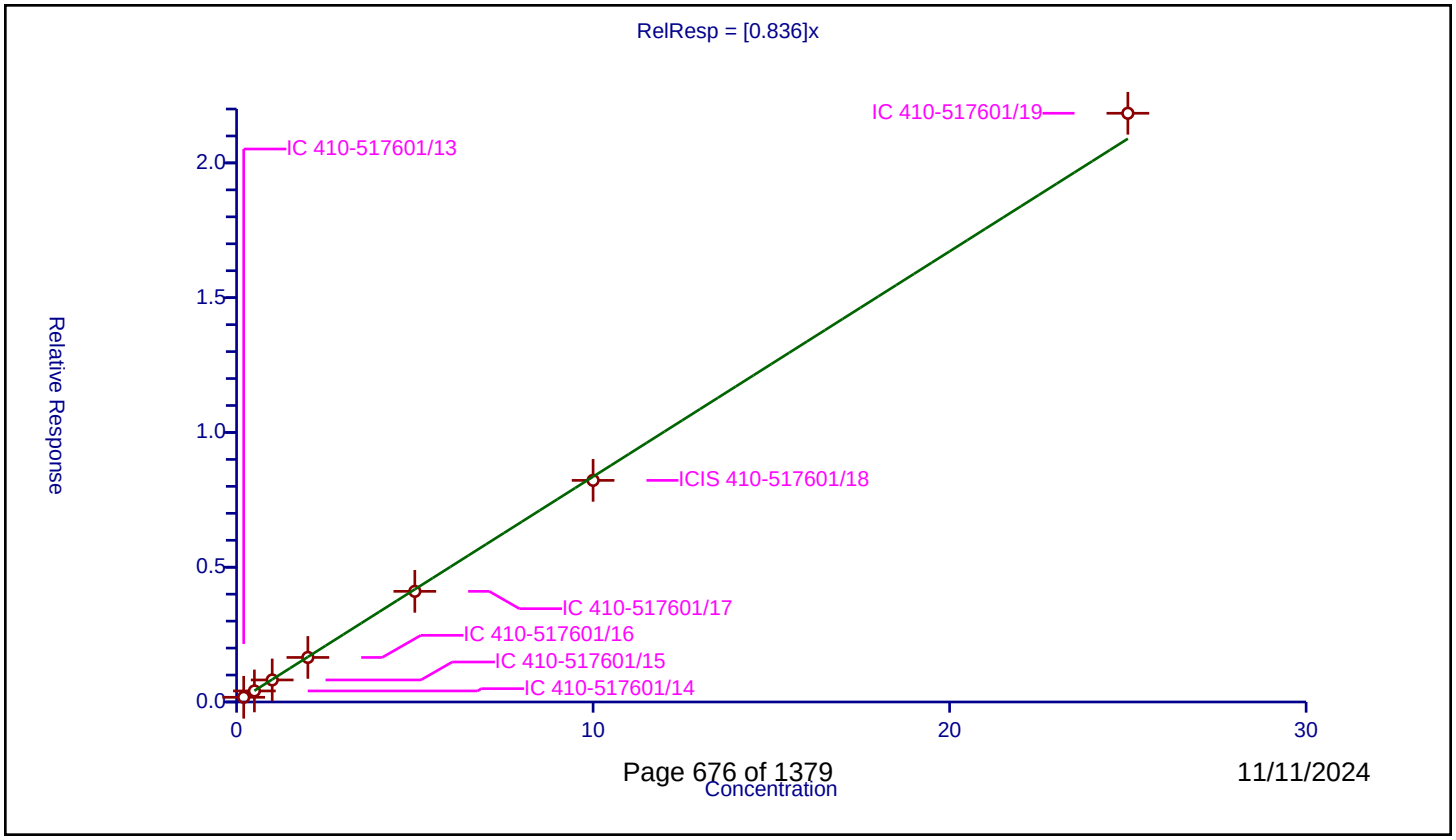
Curve Coefficients

Intercept:	0
Slope:	0.836

Error Coefficients

Relative Standard Deviation:	3.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.174148	10.0	2259919.0	0.870739	Y
2	IC 410-517601/14	0.5	0.409974	10.0	2249339.0	0.819948	Y
3	IC 410-517601/15	1.0	0.817723	10.0	2225227.0	0.817723	Y
4	IC 410-517601/16	2.0	1.652516	10.0	2217927.0	0.826258	Y
5	IC 410-517601/17	5.0	4.105437	10.0	2250394.0	0.821087	Y
6	ICIS 410-517601/18	10.0	8.222341	10.0	2282400.0	0.822234	Y
7	IC 410-517601/19	25.0	21.842302	10.0	2233108.0	0.873692	Y



Calibration / 2-Chloro-1,3-butadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

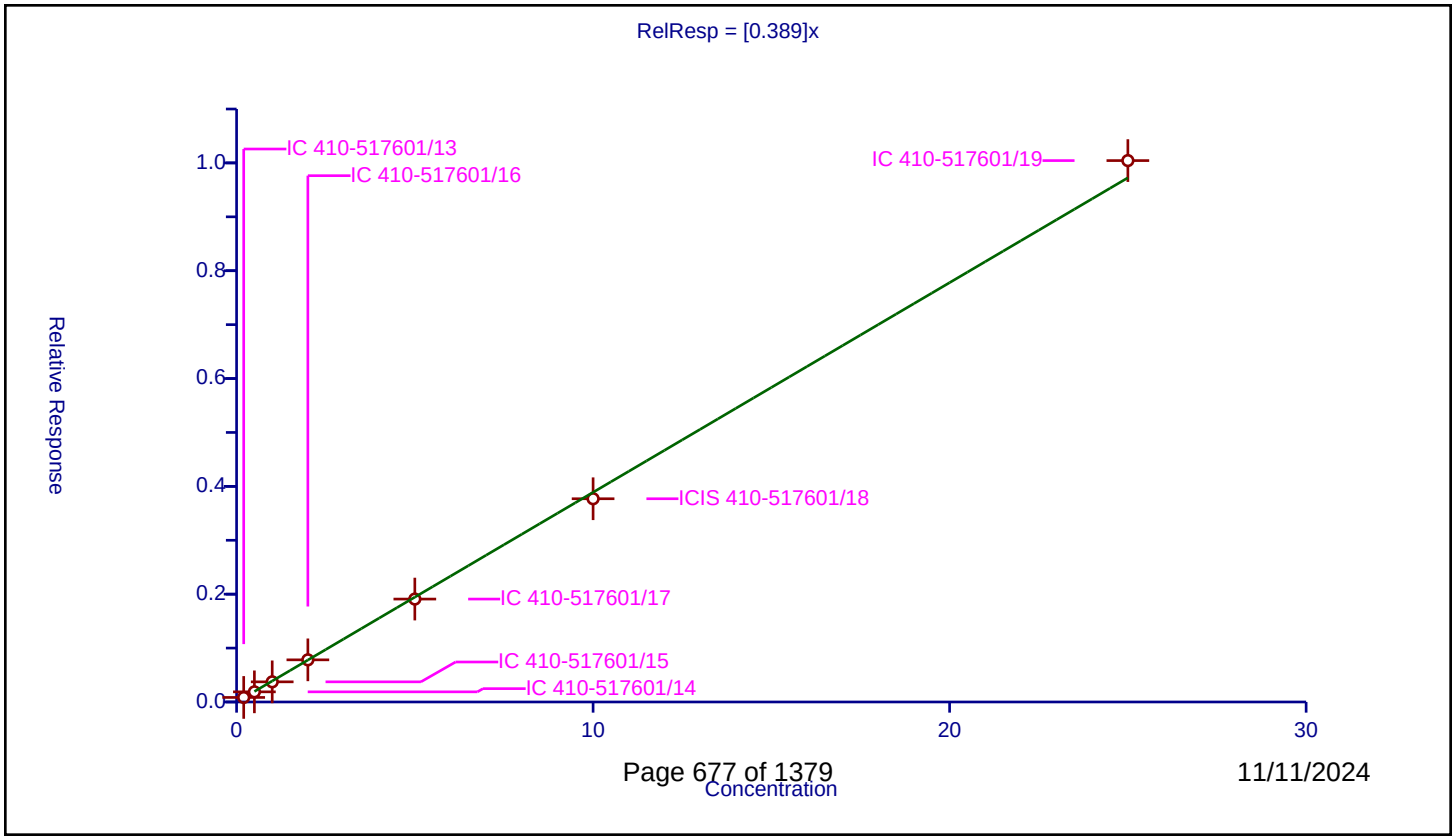
Curve Coefficients

Intercept:	0
Slope:	0.389

Error Coefficients

Relative Standard Deviation:	4.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.084246	10.0	2259919.0	0.421232	Y
2	IC 410-517601/14	0.5	0.1883	10.0	2249339.0	0.3766	Y
3	IC 410-517601/15	1.0	0.373499	10.0	2225227.0	0.373499	Y
4	IC 410-517601/16	2.0	0.781626	10.0	2217927.0	0.390813	Y
5	IC 410-517601/17	5.0	1.90923	10.0	2250394.0	0.381846	Y
6	ICIS 410-517601/18	10.0	3.770316	10.0	2282400.0	0.377032	Y
7	IC 410-517601/19	25.0	10.043101	10.0	2233108.0	0.401724	Y



Calibration / Tert-butyl ethyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

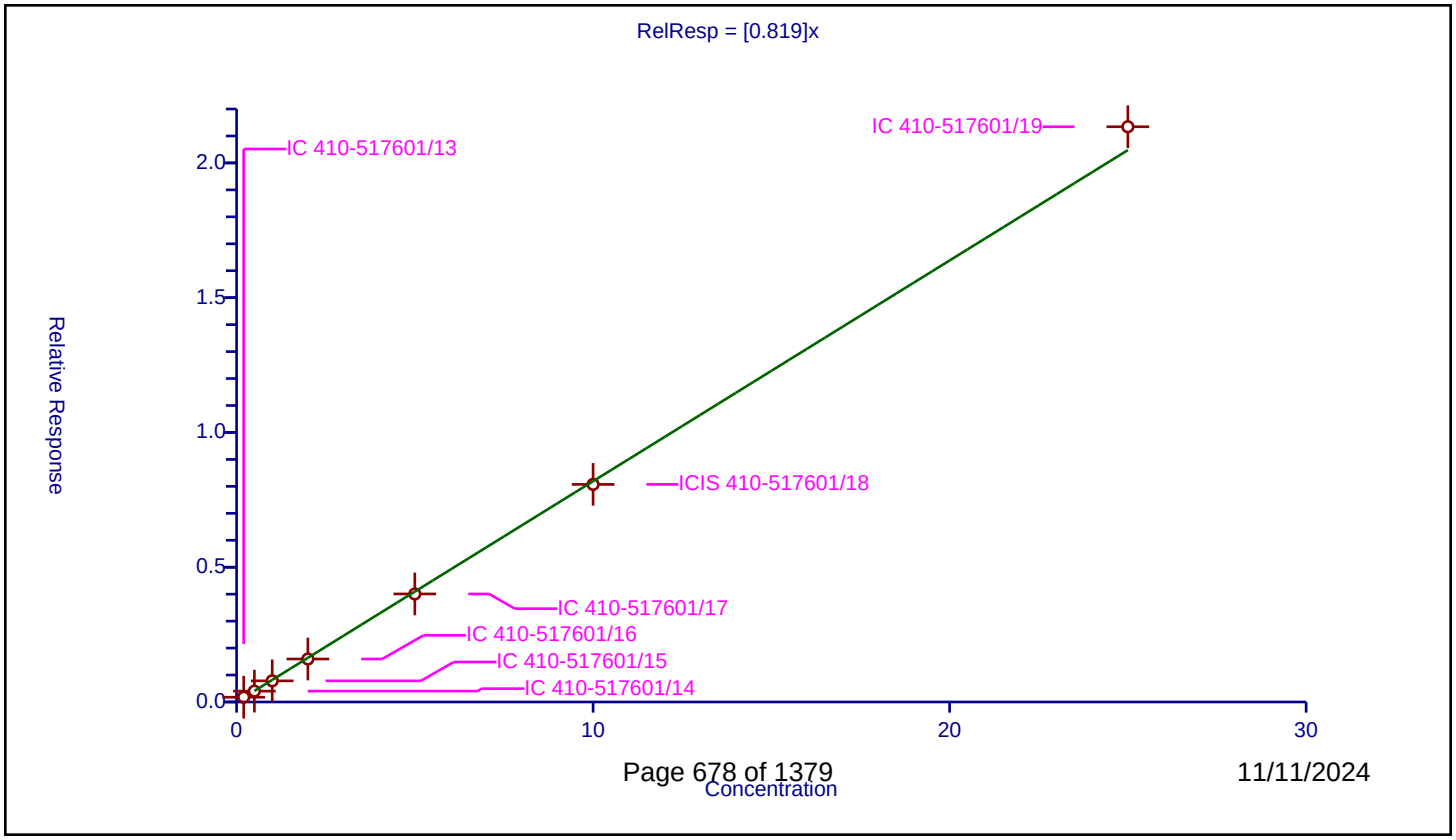
Curve Coefficients

Intercept:	0
Slope:	0.819

Error Coefficients

Relative Standard Deviation:	4.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.176643	10.0	2259919.0	0.883217	Y
2	IC 410-517601/14	0.5	0.402732	10.0	2249339.0	0.805463	Y
3	IC 410-517601/15	1.0	0.784459	10.0	2225227.0	0.784459	Y
4	IC 410-517601/16	2.0	1.594318	10.0	2217927.0	0.797159	Y
5	IC 410-517601/17	5.0	4.008747	10.0	2250394.0	0.801749	Y
6	ICIS 410-517601/18	10.0	8.072985	10.0	2282400.0	0.807298	Y
7	IC 410-517601/19	25.0	21.342143	10.0	2233108.0	0.853686	Y



Calibration / 2-Butanone (MEK)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

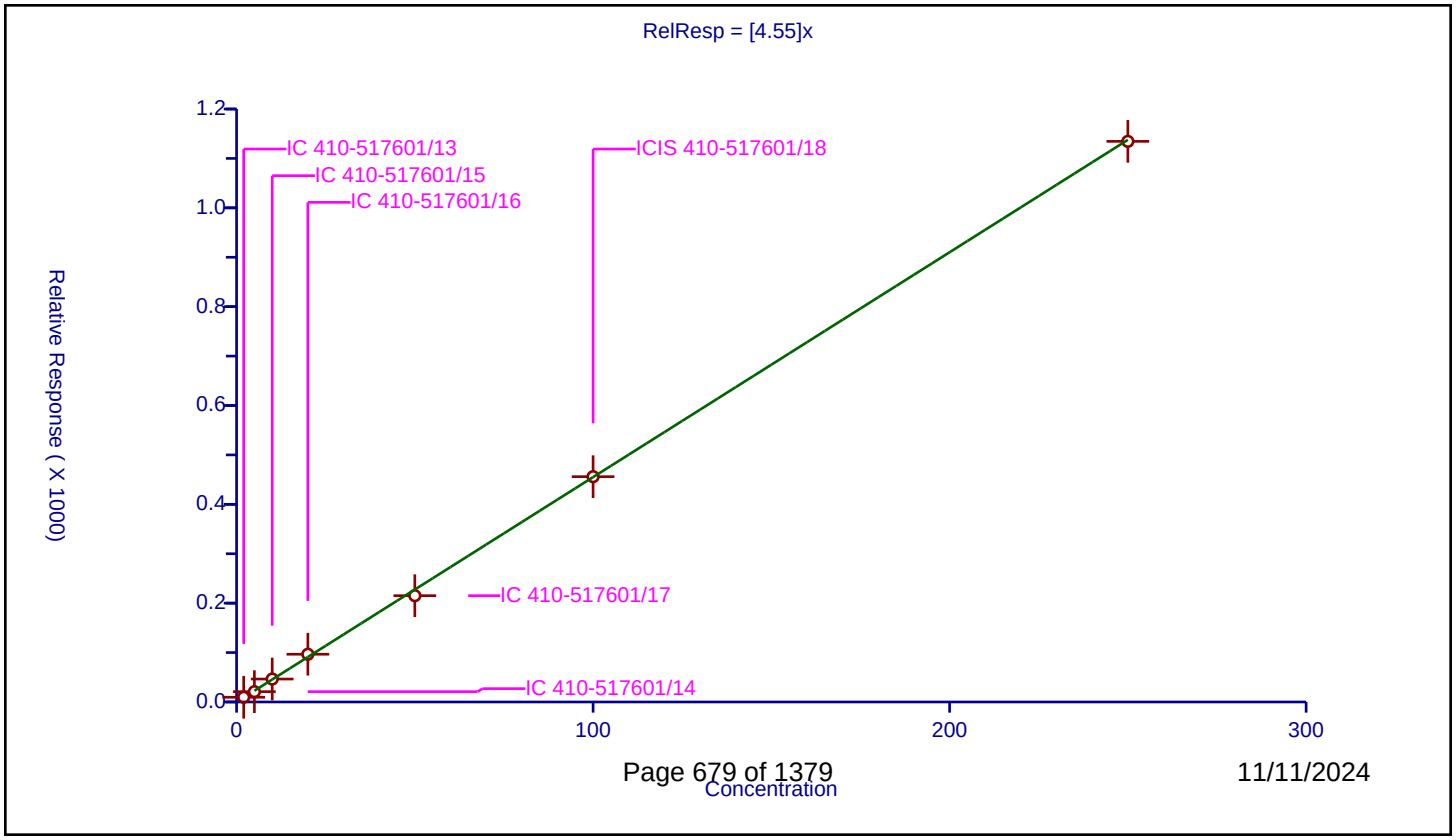
Curve Coefficients

Intercept:	0
Slope:	4.55

Error Coefficients

Relative Standard Deviation:	5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	2.0	9.59121	50.0	173659.0	4.795605	Y
2	IC 410-517601/14	5.0	20.919532	50.0	188422.0	4.183906	Y
3	IC 410-517601/15	10.0	46.416402	50.0	167862.0	4.64164	Y
4	IC 410-517601/16	20.0	96.628345	50.0	164311.0	4.831417	Y
5	IC 410-517601/17	50.0	215.143821	50.0	180780.0	4.302876	Y
6	ICIS 410-517601/18	100.0	455.977774	50.0	188699.0	4.559778	Y
7	IC 410-517601/19	250.0	1134.539724	50.0	188137.0	4.538159	Y



Calibration / cis-1,2-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

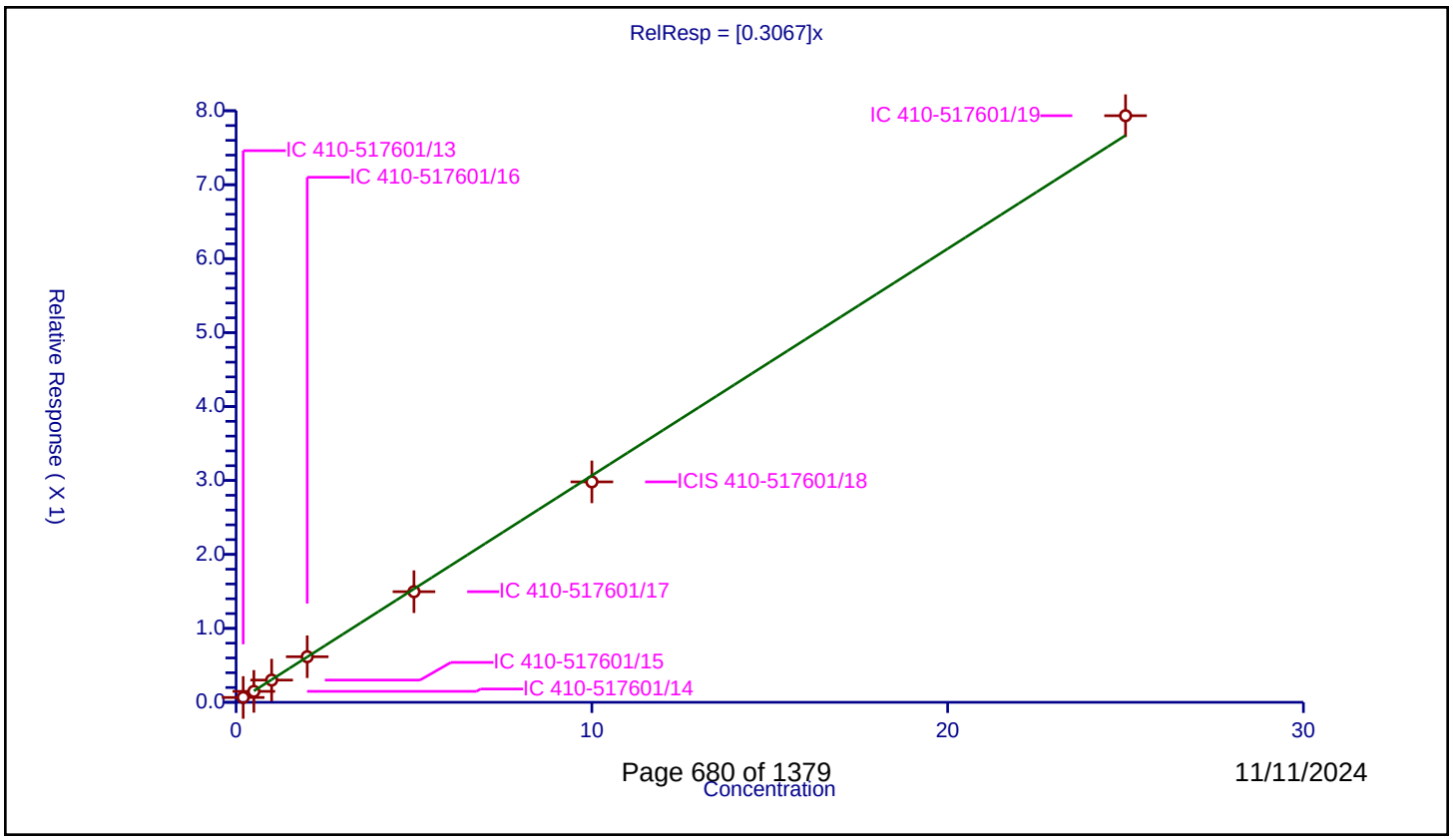
Curve Coefficients

Intercept:	0
Slope:	0.3067

Error Coefficients

Relative Standard Deviation:	3.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.065409	10.0	2259919.0	0.327047	Y
2	IC 410-517601/14	0.5	0.14807	10.0	2249339.0	0.29614	Y
3	IC 410-517601/15	1.0	0.300558	10.0	2225227.0	0.300558	Y
4	IC 410-517601/16	2.0	0.616562	10.0	2217927.0	0.308281	Y
5	IC 410-517601/17	5.0	1.496249	10.0	2250394.0	0.29925	Y
6	ICIS 410-517601/18	10.0	2.981147	10.0	2282400.0	0.298115	Y
7	IC 410-517601/19	25.0	7.933235	10.0	2233108.0	0.317329	Y



Calibration / 2,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

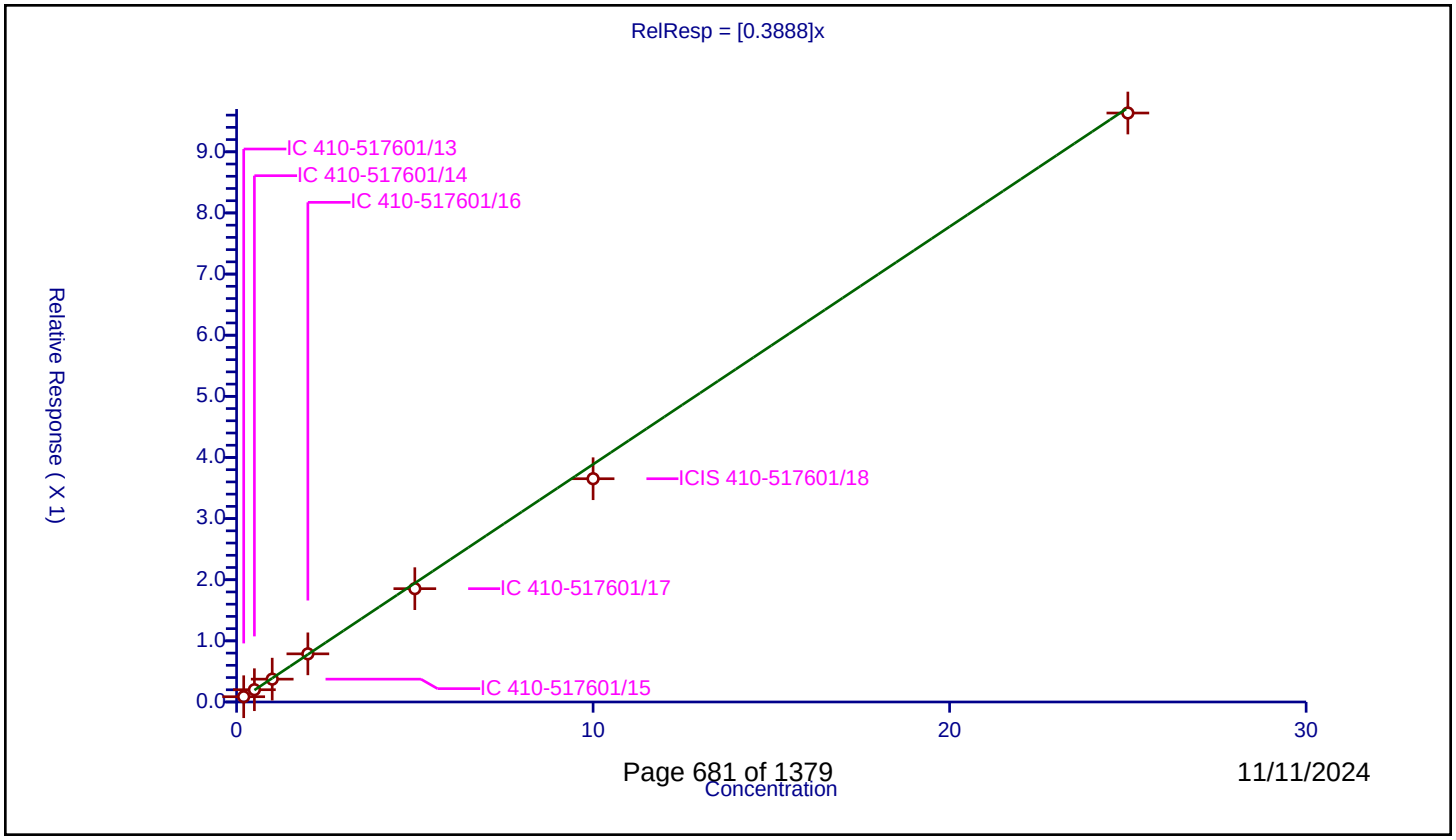
Curve Coefficients

Intercept:	0
Slope:	0.3888

Error Coefficients

Relative Standard Deviation:	5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.086096	10.0	2259919.0	0.43048	Y
2	IC 410-517601/14	0.5	0.200975	10.0	2249339.0	0.401949	Y
3	IC 410-517601/15	1.0	0.373805	10.0	2225227.0	0.373805	Y
4	IC 410-517601/16	2.0	0.787497	10.0	2217927.0	0.393748	Y
5	IC 410-517601/17	5.0	1.853742	10.0	2250394.0	0.370748	Y
6	ICIS 410-517601/18	10.0	3.652173	10.0	2282400.0	0.365217	Y
7	IC 410-517601/19	25.0	9.634666	10.0	2233108.0	0.385387	Y



Calibration / Propionitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

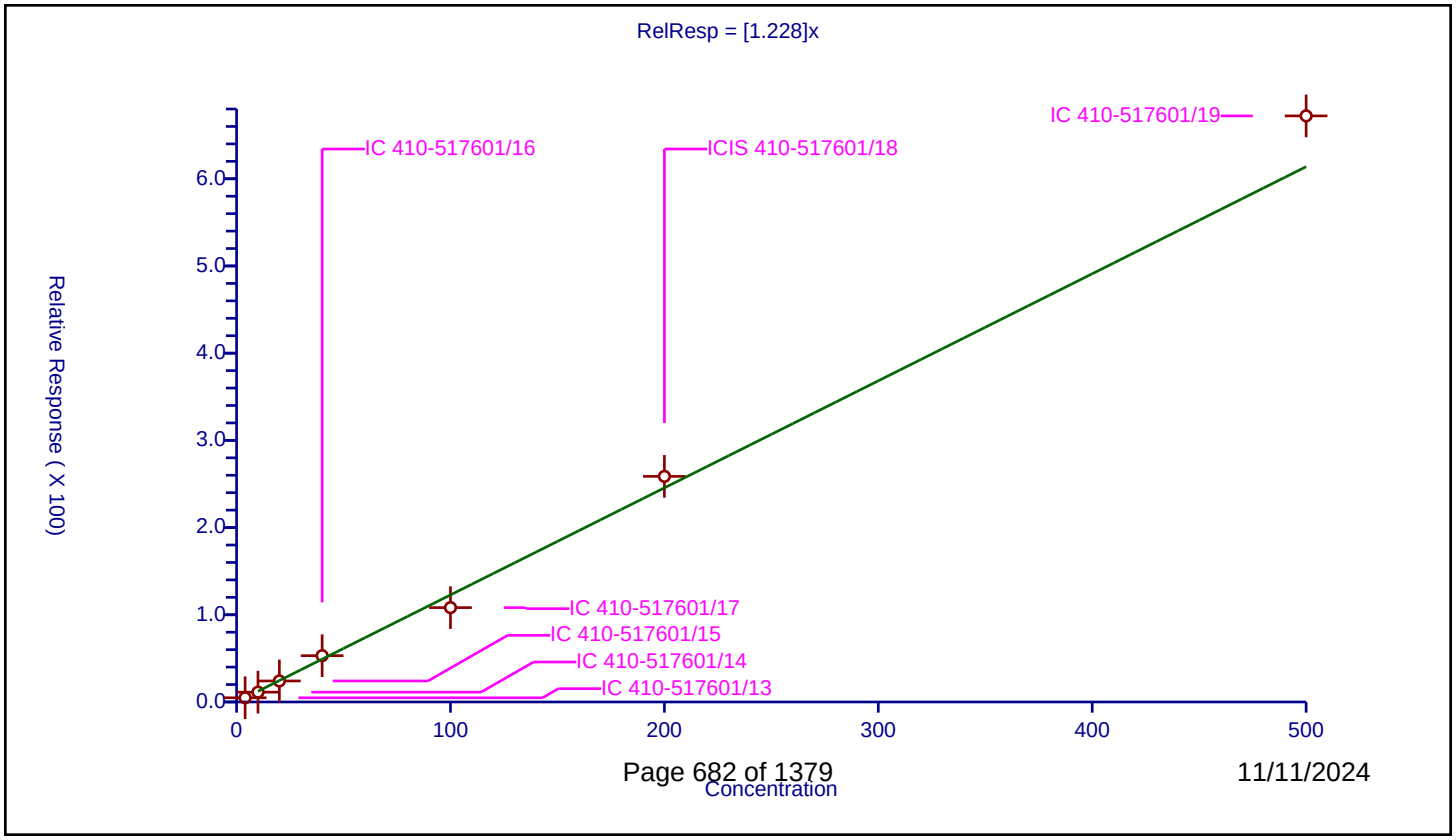
Curve Coefficients

Intercept:	0
Slope:	1.228

Error Coefficients

Relative Standard Deviation:	8.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	4.0	4.858084	50.0	173659.0	1.214521	Y
2	IC 410-517601/14	10.0	11.256382	50.0	188422.0	1.125638	Y
3	IC 410-517601/15	20.0	24.127259	50.0	167862.0	1.206363	Y
4	IC 410-517601/16	40.0	53.090177	50.0	164311.0	1.327254	Y
5	IC 410-517601/17	100.0	108.209702	50.0	180780.0	1.082097	Y
6	ICIS 410-517601/18	200.0	258.728981	50.0	188699.0	1.293645	Y
7	IC 410-517601/19	500.0	672.124303	50.0	188137.0	1.344249	Y



Calibration / Methacrylonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

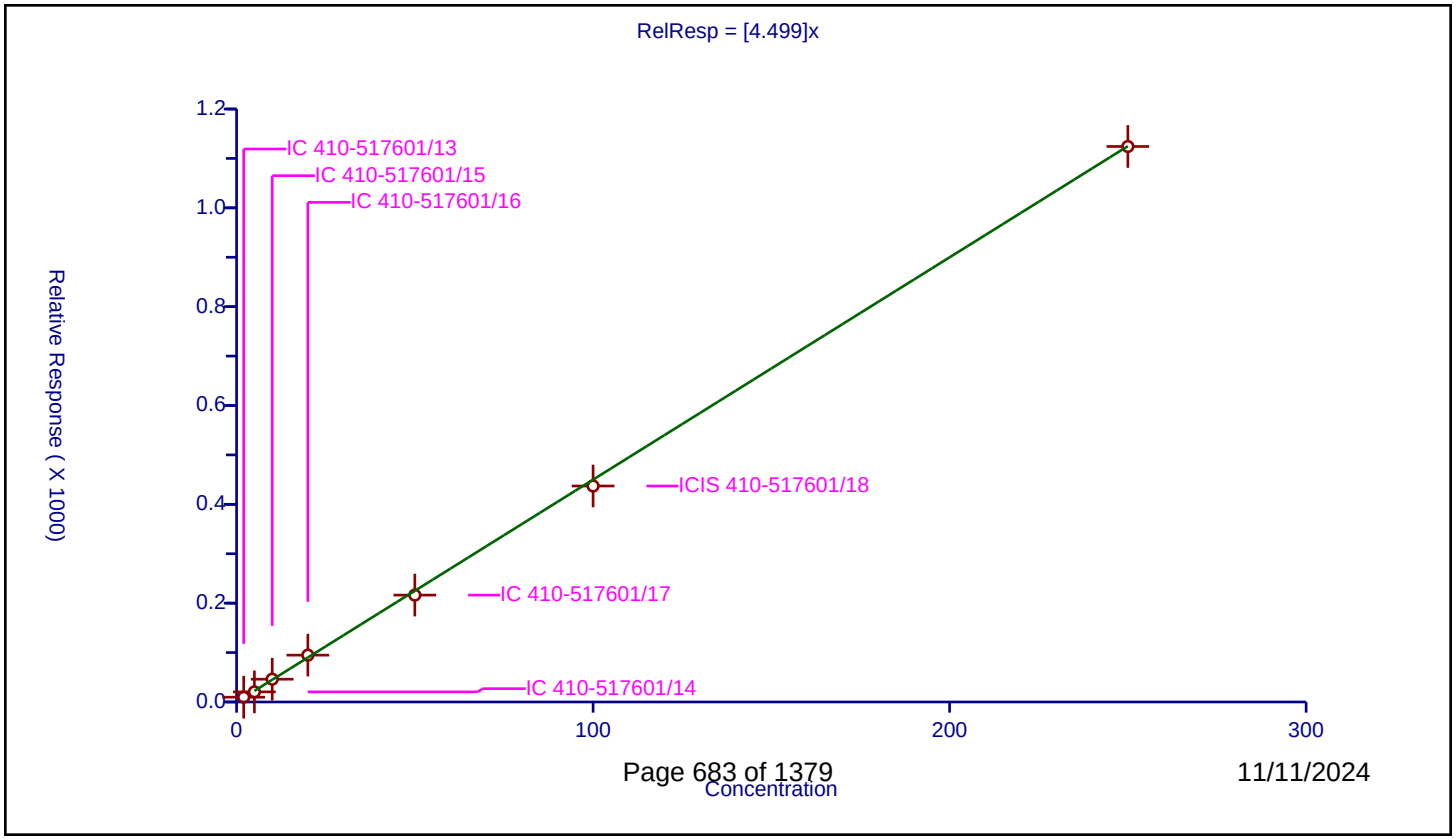
Curve Coefficients

Intercept:	0
Slope:	4.499

Error Coefficients

Relative Standard Deviation:	5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	2.0	9.706379	50.0	173659.0	4.853189	Y
2	IC 410-517601/14	5.0	20.483277	50.0	188422.0	4.096655	Y
3	IC 410-517601/15	10.0	46.135516	50.0	167862.0	4.613552	Y
4	IC 410-517601/16	20.0	94.7715	50.0	164311.0	4.738575	Y
5	IC 410-517601/17	50.0	216.297157	50.0	180780.0	4.325943	Y
6	ICIS 410-517601/18	100.0	437.115989	50.0	188699.0	4.37116	Y
7	IC 410-517601/19	250.0	1124.159256	50.0	188137.0	4.496637	Y



Calibration / Tetrahydrofuran

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

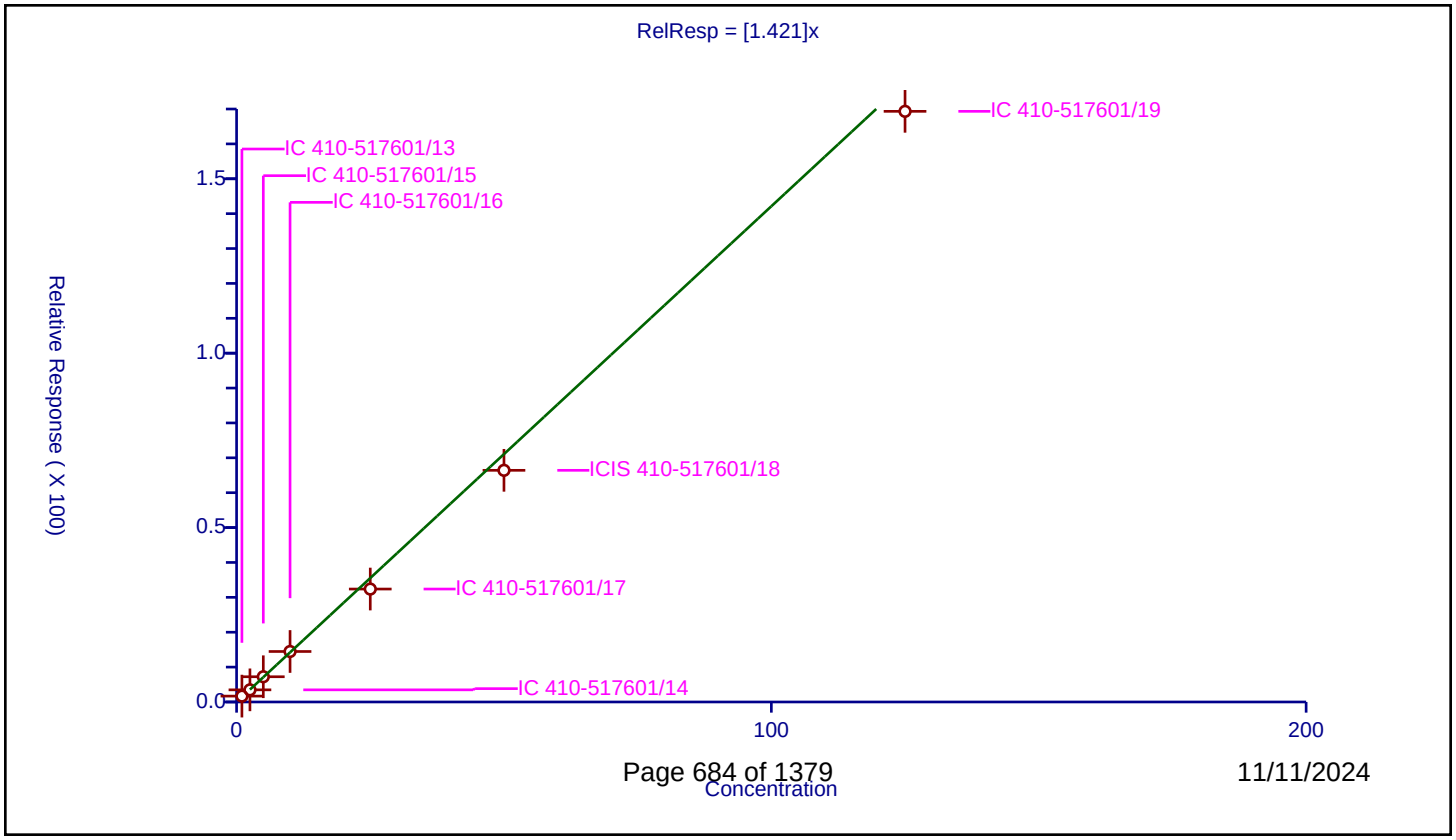
Curve Coefficients

Intercept:	0
Slope:	1.421

Error Coefficients

Relative Standard Deviation:	9.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	1.0	1.682608	50.0	173659.0	1.682608	Y
2	IC 410-517601/14	2.5	3.482608	50.0	188422.0	1.393043	Y
3	IC 410-517601/15	5.0	7.236003	50.0	167862.0	1.447201	Y
4	IC 410-517601/16	10.0	14.477424	50.0	164311.0	1.447742	Y
5	IC 410-517601/17	25.0	32.376922	50.0	180780.0	1.295077	Y
6	ICIS 410-517601/18	50.0	66.415296	50.0	188699.0	1.328306	Y
7	IC 410-517601/19	125.0	169.331657	50.0	188137.0	1.354653	Y



Calibration / Chlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

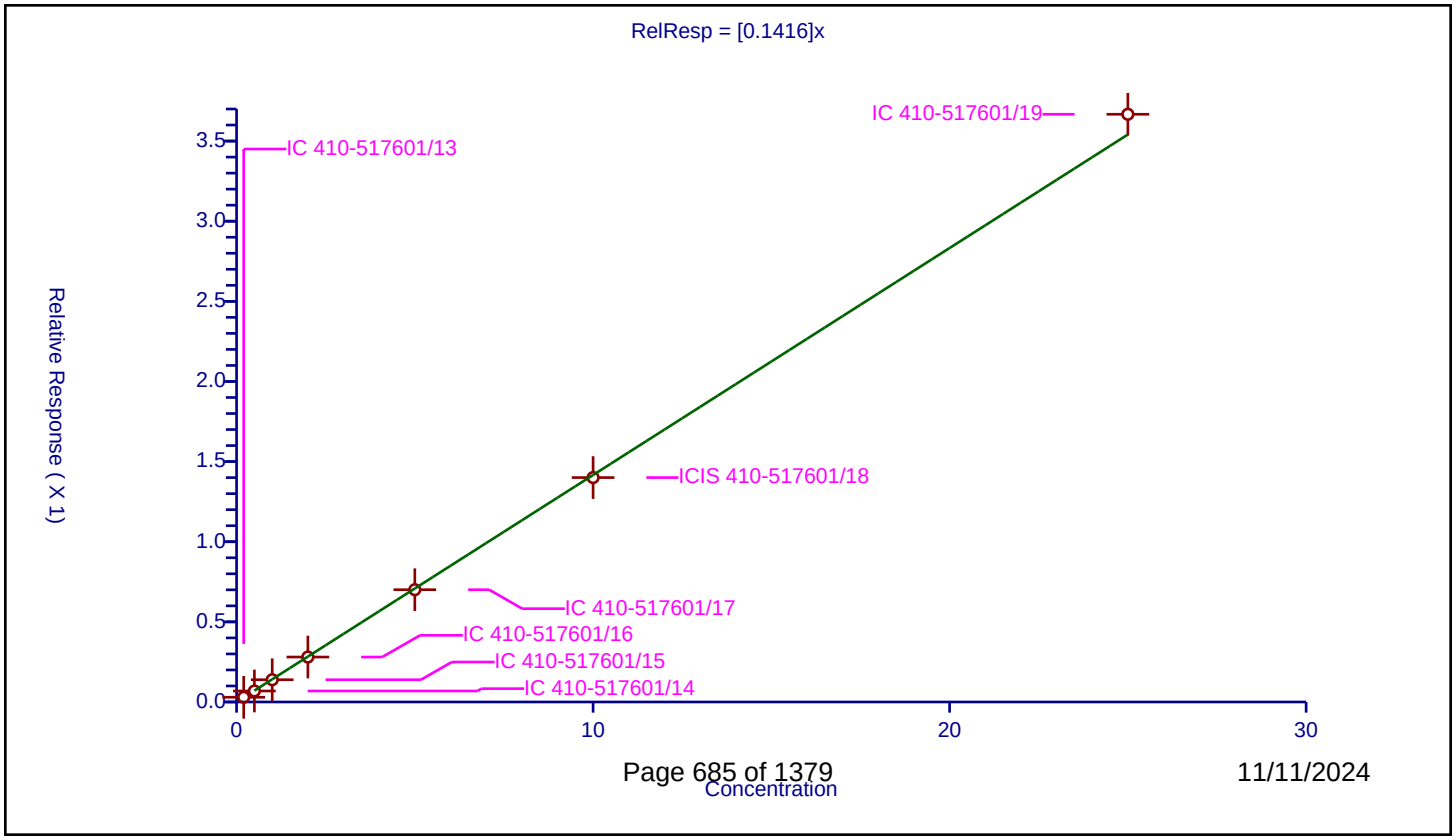
Curve Coefficients

Intercept:	0
Slope:	0.1416

Error Coefficients

Relative Standard Deviation:	2.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.029612	10.0	2259919.0	0.148058	Y
2	IC 410-517601/14	0.5	0.068687	10.0	2249339.0	0.137374	Y
3	IC 410-517601/15	1.0	0.138903	10.0	2225227.0	0.138903	Y
4	IC 410-517601/16	2.0	0.280501	10.0	2217927.0	0.14025	Y
5	IC 410-517601/17	5.0	0.700544	10.0	2250394.0	0.140109	Y
6	ICIS 410-517601/18	10.0	1.400315	10.0	2282400.0	0.140032	Y
7	IC 410-517601/19	25.0	3.66727	10.0	2233108.0	0.146691	Y



Calibration / Chloroform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

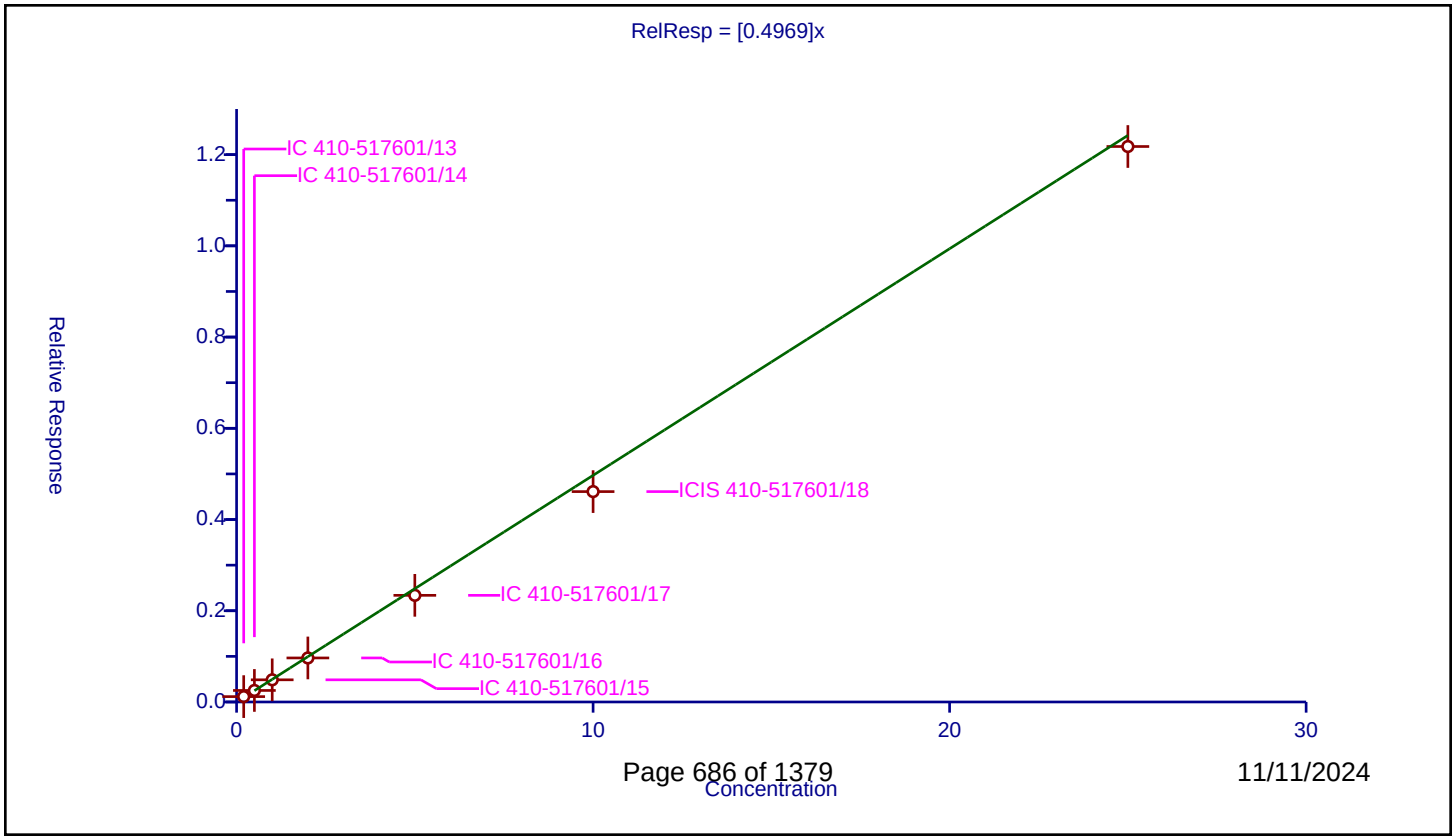
Curve Coefficients

Intercept:	0
Slope:	0.4969

Error Coefficients

Relative Standard Deviation:	8.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.117615	10.0	2259919.0	0.588074	Y
2	IC 410-517601/14	0.5	0.25259	10.0	2249339.0	0.50518	Y
3	IC 410-517601/15	1.0	0.486076	10.0	2225227.0	0.486076	Y
4	IC 410-517601/16	2.0	0.965302	10.0	2217927.0	0.482651	Y
5	IC 410-517601/17	5.0	2.338204	10.0	2250394.0	0.467641	Y
6	ICIS 410-517601/18	10.0	4.612666	10.0	2282400.0	0.461267	Y
7	IC 410-517601/19	25.0	12.17779	10.0	2233108.0	0.487112	Y



Calibration / 1,1,1-Trichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

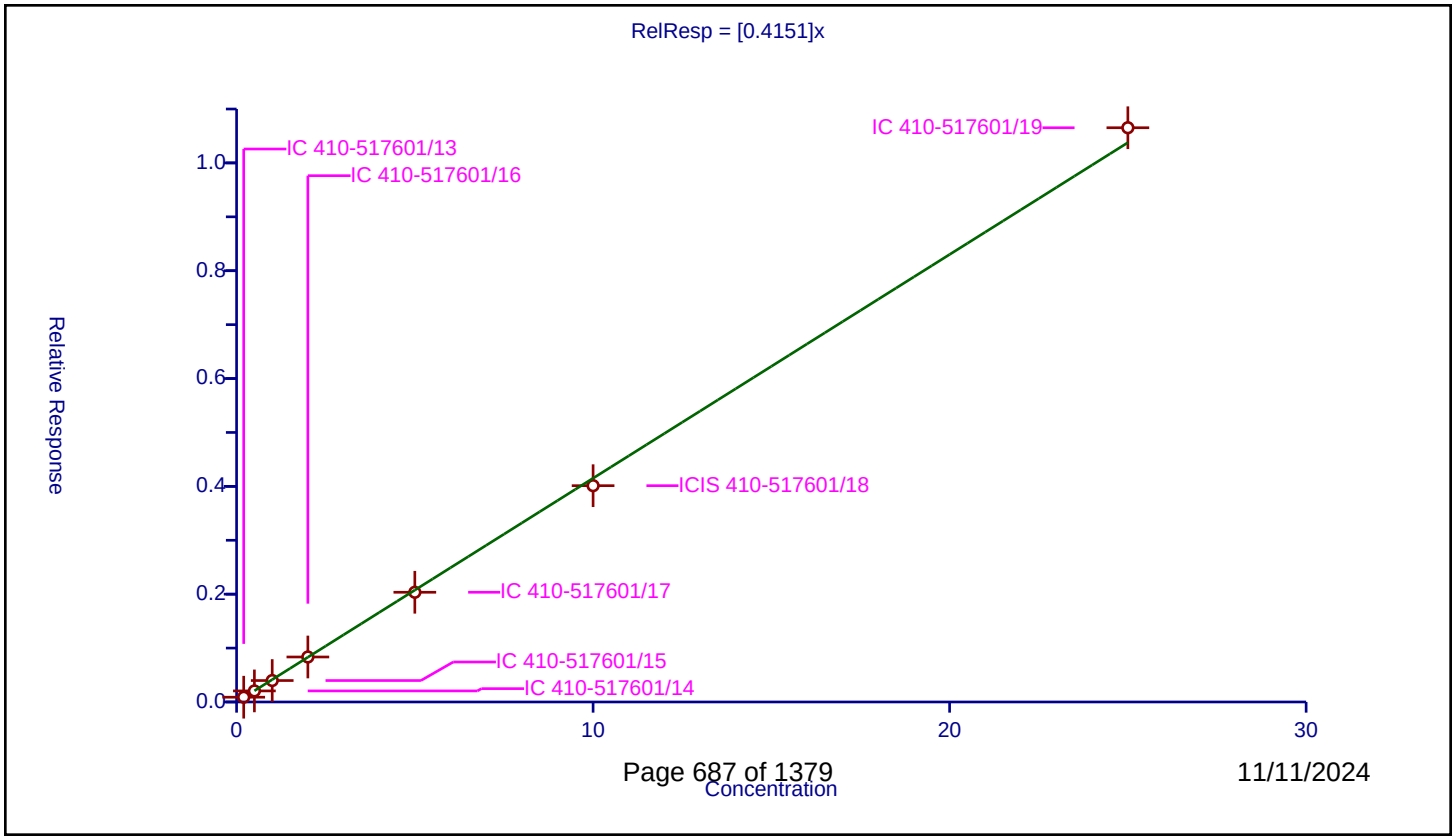
Curve Coefficients

Intercept:	0
Slope:	0.4151

Error Coefficients

Relative Standard Deviation:	3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.088981	10.0	2259919.0	0.444905	Y
2	IC 410-517601/14	0.5	0.205291	10.0	2249339.0	0.410583	Y
3	IC 410-517601/15	1.0	0.398148	10.0	2225227.0	0.398148	Y
4	IC 410-517601/16	2.0	0.834883	10.0	2217927.0	0.417442	Y
5	IC 410-517601/17	5.0	2.035257	10.0	2250394.0	0.407051	Y
6	ICIS 410-517601/18	10.0	4.012504	10.0	2282400.0	0.40125	Y
7	IC 410-517601/19	25.0	10.652839	10.0	2233108.0	0.426114	Y



Calibration / Dibromofluoromethane (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

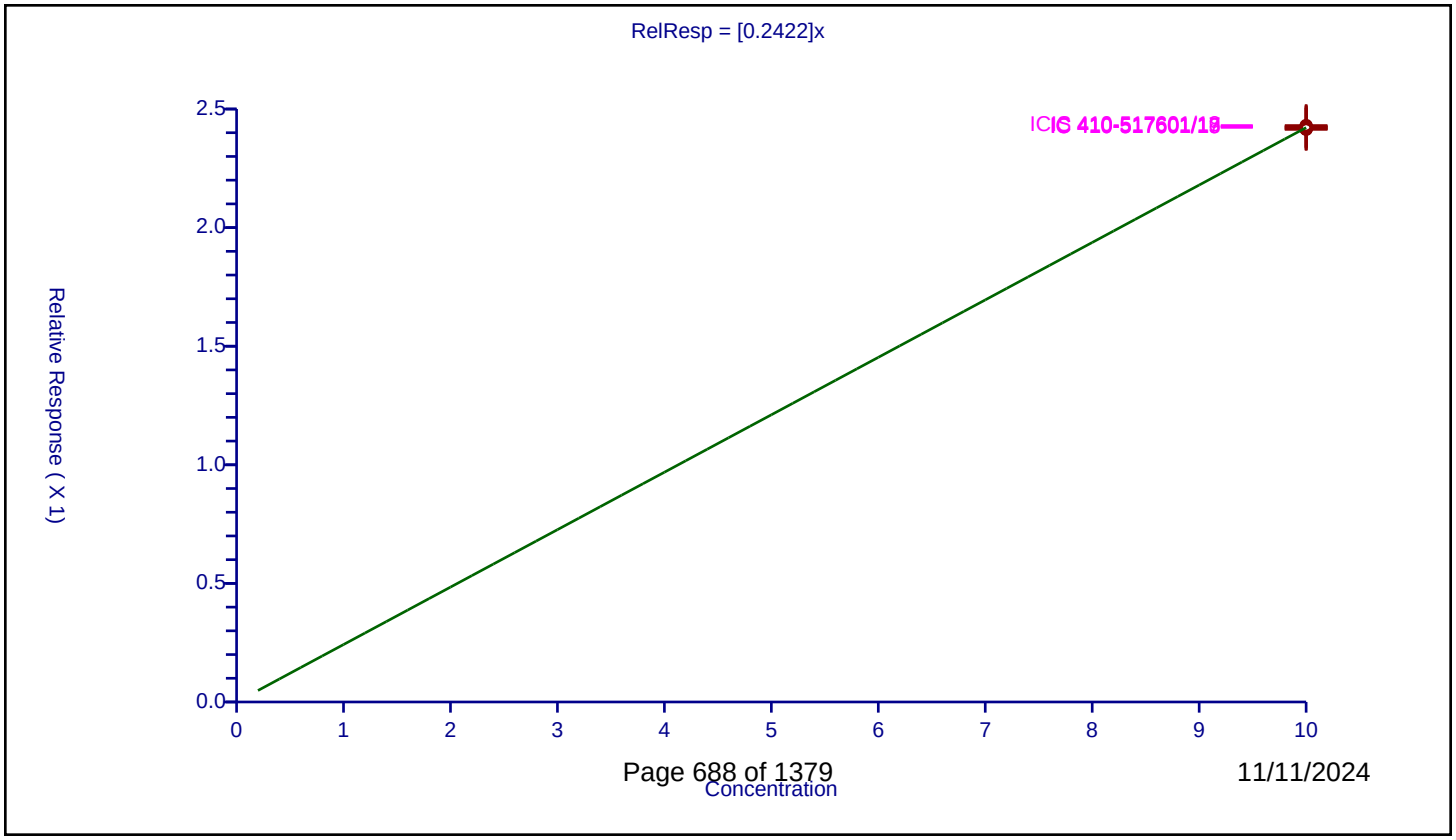
Curve Coefficients

Intercept:	0
Slope:	0.2422

Error Coefficients

Relative Standard Deviation:	0.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	10.0	2.424976	10.0	2259919.0	0.242498	Y
2	IC 410-517601/14	10.0	2.414514	10.0	2249339.0	0.241451	Y
3	IC 410-517601/15	10.0	2.416198	10.0	2225227.0	0.24162	Y
4	IC 410-517601/16	10.0	2.416649	10.0	2217927.0	0.241665	Y
5	IC 410-517601/17	10.0	2.426317	10.0	2250394.0	0.242632	Y
6	ICIS 410-517601/18	10.0	2.430297	10.0	2282400.0	0.24303	Y
7	IC 410-517601/19	10.0	2.422771	10.0	2233108.0	0.242277	Y



Calibration / Cyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

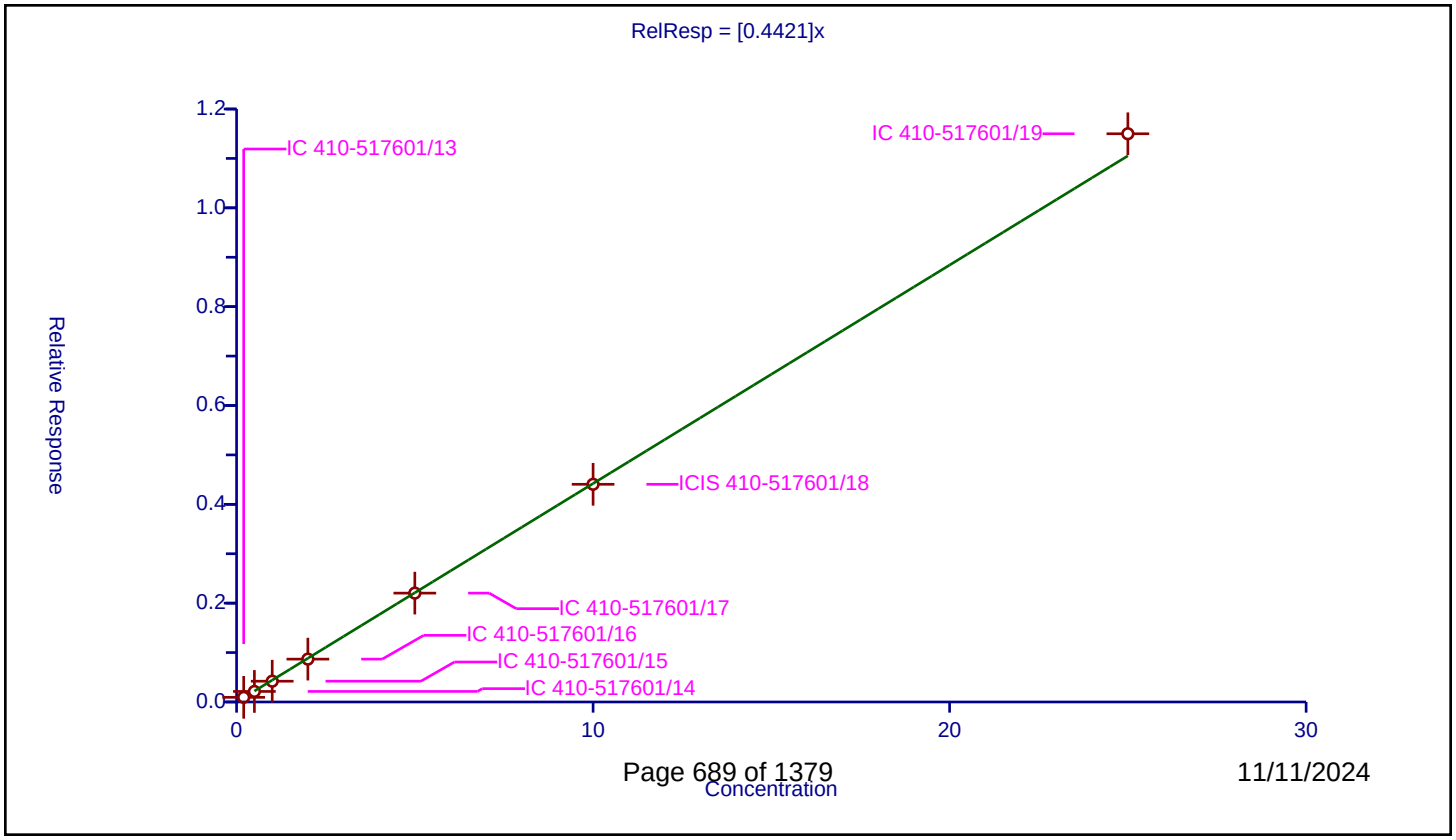
Curve Coefficients

Intercept:	0
Slope:	0.4421

Error Coefficients

Relative Standard Deviation:	4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.094357	10.0	2259919.0	0.471787	Y
2	IC 410-517601/14	0.5	0.213654	10.0	2249339.0	0.427308	Y
3	IC 410-517601/15	1.0	0.420789	10.0	2225227.0	0.420789	Y
4	IC 410-517601/16	2.0	0.867229	10.0	2217927.0	0.433614	Y
5	IC 410-517601/17	5.0	2.203379	10.0	2250394.0	0.440676	Y
6	ICIS 410-517601/18	10.0	4.405542	10.0	2282400.0	0.440554	Y
7	IC 410-517601/19	25.0	11.499309	10.0	2233108.0	0.459972	Y



Calibration / 1,1-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

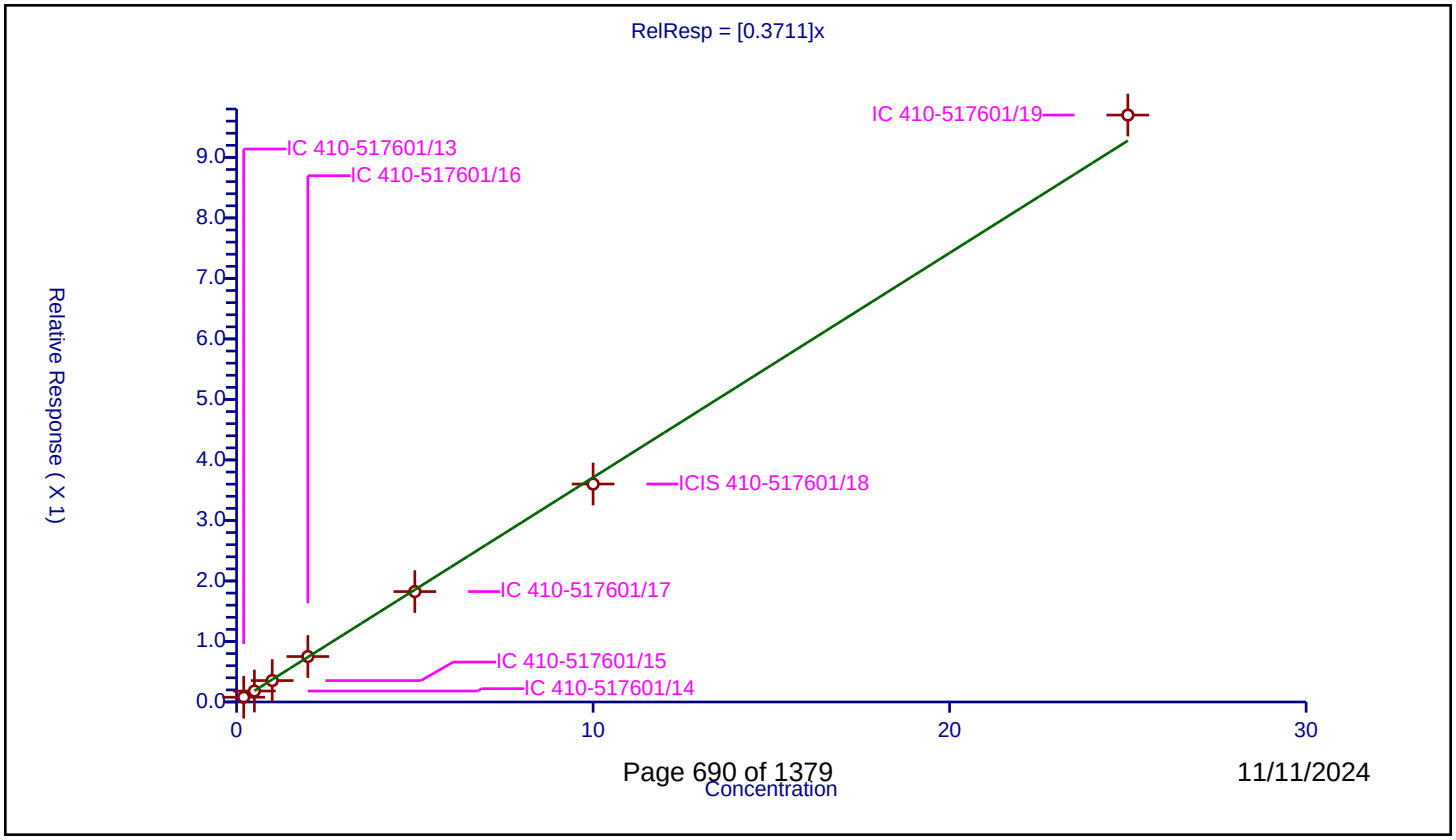
Curve Coefficients

Intercept:	0
Slope:	0.3711

Error Coefficients

Relative Standard Deviation:	3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.078445	10.0	2259919.0	0.392226	Y
2	IC 410-517601/14	0.5	0.181253	10.0	2249339.0	0.362506	Y
3	IC 410-517601/15	1.0	0.354004	10.0	2225227.0	0.354004	Y
4	IC 410-517601/16	2.0	0.751183	10.0	2217927.0	0.375592	Y
5	IC 410-517601/17	5.0	1.824783	10.0	2250394.0	0.364957	Y
6	ICIS 410-517601/18	10.0	3.60227	10.0	2282400.0	0.360227	Y
7	IC 410-517601/19	25.0	9.700118	10.0	2233108.0	0.388005	Y



Calibration / Carbon tetrachloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

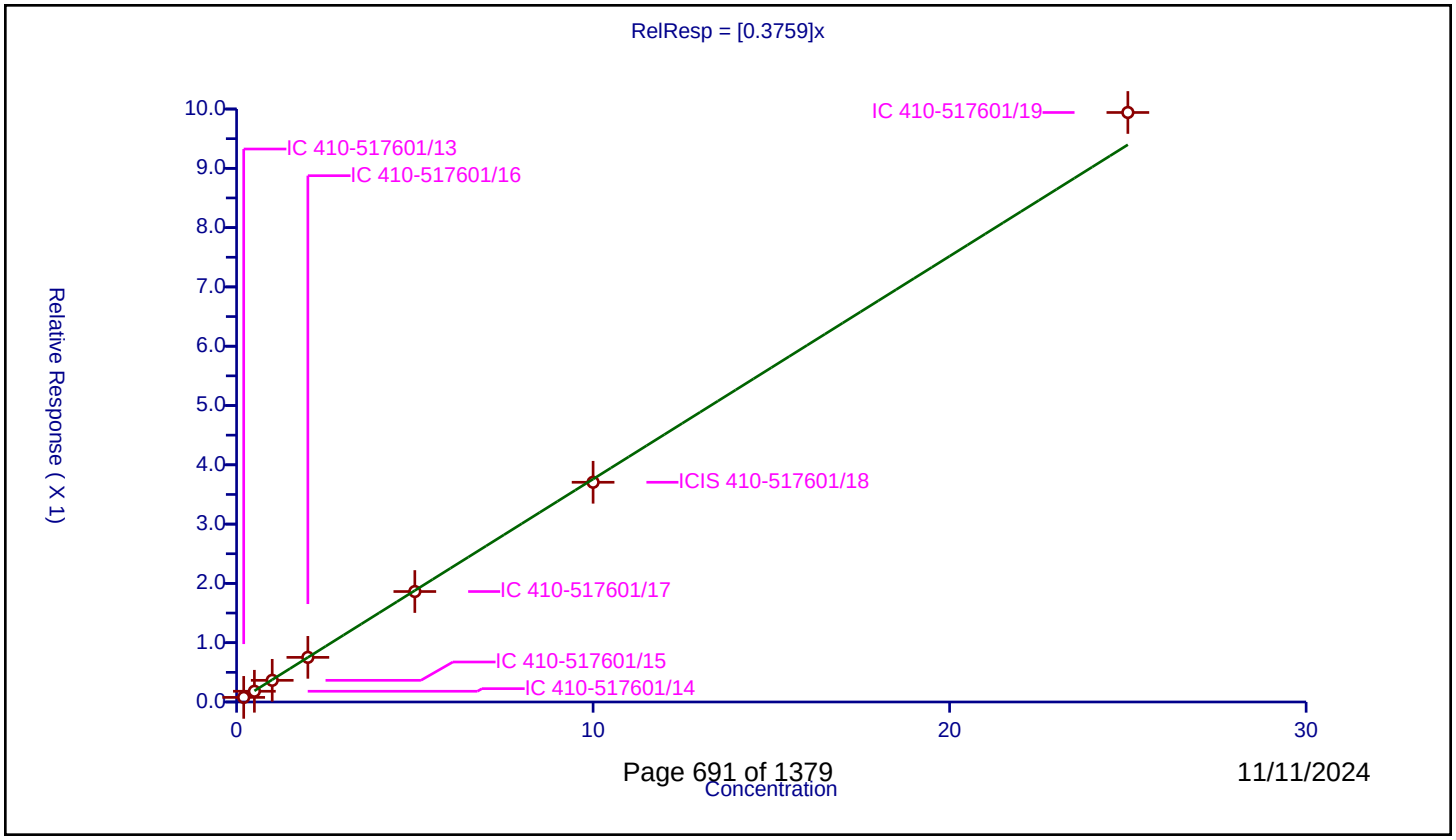
Curve Coefficients

Intercept:	0
Slope:	0.3759

Error Coefficients

Relative Standard Deviation:	3.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.077414	10.0	2259919.0	0.387071	Y
2	IC 410-517601/14	0.5	0.181067	10.0	2249339.0	0.362133	Y
3	IC 410-517601/15	1.0	0.365167	10.0	2225227.0	0.365167	Y
4	IC 410-517601/16	2.0	0.752378	10.0	2217927.0	0.376189	Y
5	IC 410-517601/17	5.0	1.86314	10.0	2250394.0	0.372628	Y
6	ICIS 410-517601/18	10.0	3.705288	10.0	2282400.0	0.370529	Y
7	IC 410-517601/19	25.0	9.941633	10.0	2233108.0	0.397665	Y



Calibration / Isobutyl alcohol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

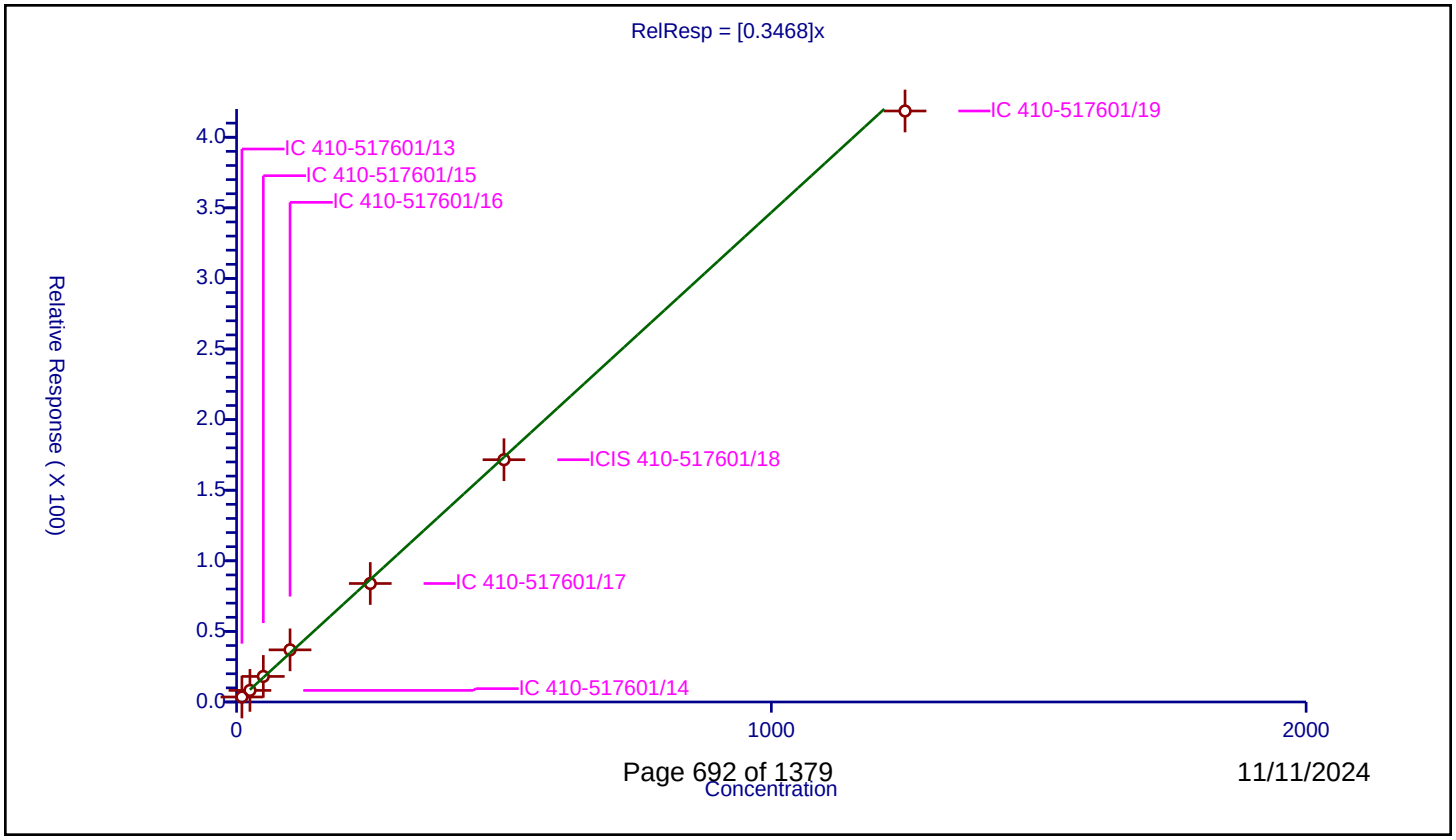
Curve Coefficients

Intercept:	0
Slope:	0.3468

Error Coefficients

Relative Standard Deviation:	4.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	10.0	3.538256	50.0	173659.0	0.353826	Y
2	IC 410-517601/14	25.0	8.210294	50.0	188422.0	0.328412	Y
3	IC 410-517601/15	50.0	18.105944	50.0	167862.0	0.362119	Y
4	IC 410-517601/16	100.0	36.934228	50.0	164311.0	0.369342	Y
5	IC 410-517601/17	250.0	83.928255	50.0	180780.0	0.335713	Y
6	ICIS 410-517601/18	500.0	171.598684	50.0	188699.0	0.343197	Y
7	IC 410-517601/19	1250.0	418.597883	50.0	188137.0	0.334878	Y



Calibration / 1,2-Dichloroethane-d4 (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

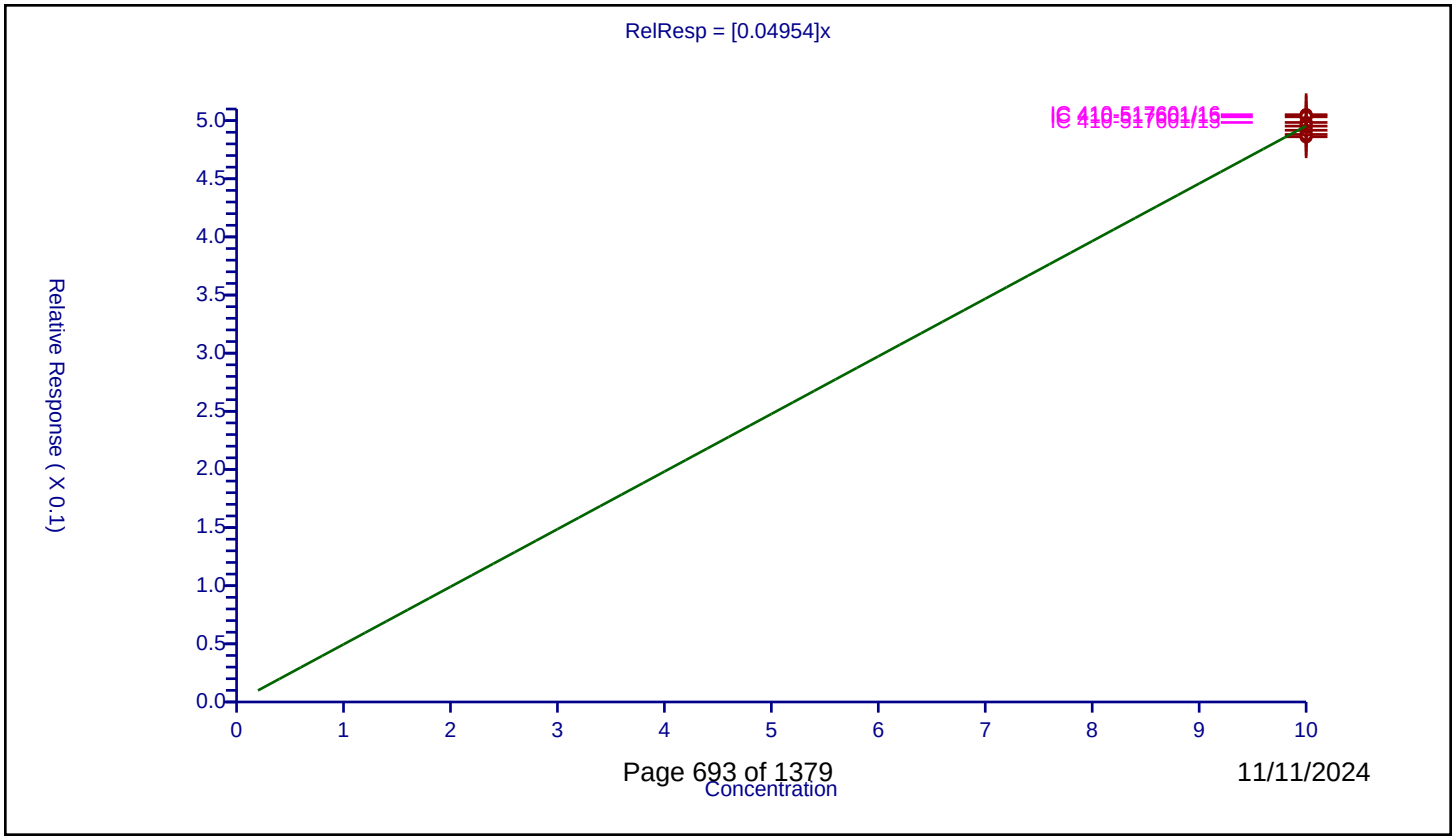
Curve Coefficients

Intercept:	0
Slope:	0.04954

Error Coefficients

Relative Standard Deviation:	1.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	10.0	0.498429	10.0	2259919.0	0.049843	Y
2	IC 410-517601/14	10.0	0.486103	10.0	2249339.0	0.04861	Y
3	IC 410-517601/15	10.0	0.503288	10.0	2225227.0	0.050329	Y
4	IC 410-517601/16	10.0	0.505143	10.0	2217927.0	0.050514	Y
5	IC 410-517601/17	10.0	0.495309	10.0	2250394.0	0.049531	Y
6	ICIS 410-517601/18	10.0	0.488109	10.0	2282400.0	0.048811	Y
7	IC 410-517601/19	10.0	0.491723	10.0	2233108.0	0.049172	Y



Calibration / Benzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

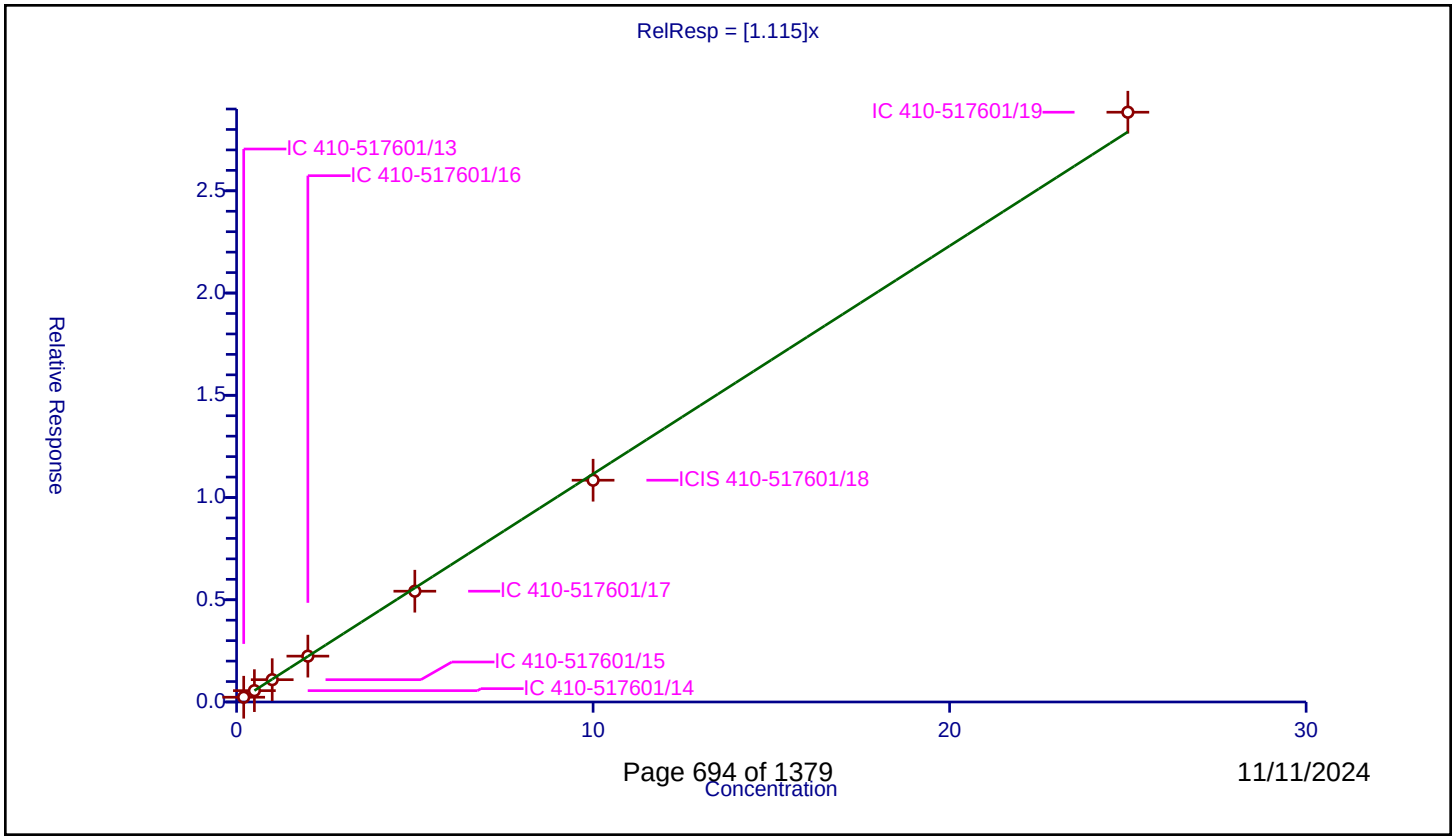
Curve Coefficients

Intercept:	0
Slope:	1.115

Error Coefficients

Relative Standard Deviation:	2.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.232561	10.0	2259919.0	1.162807	Y
2	IC 410-517601/14	0.5	0.555292	10.0	2249339.0	1.110584	Y
3	IC 410-517601/15	1.0	1.090608	10.0	2225227.0	1.090608	Y
4	IC 410-517601/16	2.0	2.24208	10.0	2217927.0	1.12104	Y
5	IC 410-517601/17	5.0	5.417625	10.0	2250394.0	1.083525	Y
6	ICIS 410-517601/18	10.0	10.84639	10.0	2282400.0	1.084639	Y
7	IC 410-517601/19	25.0	28.842873	10.0	2233108.0	1.153715	Y



Calibration / 1,2-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

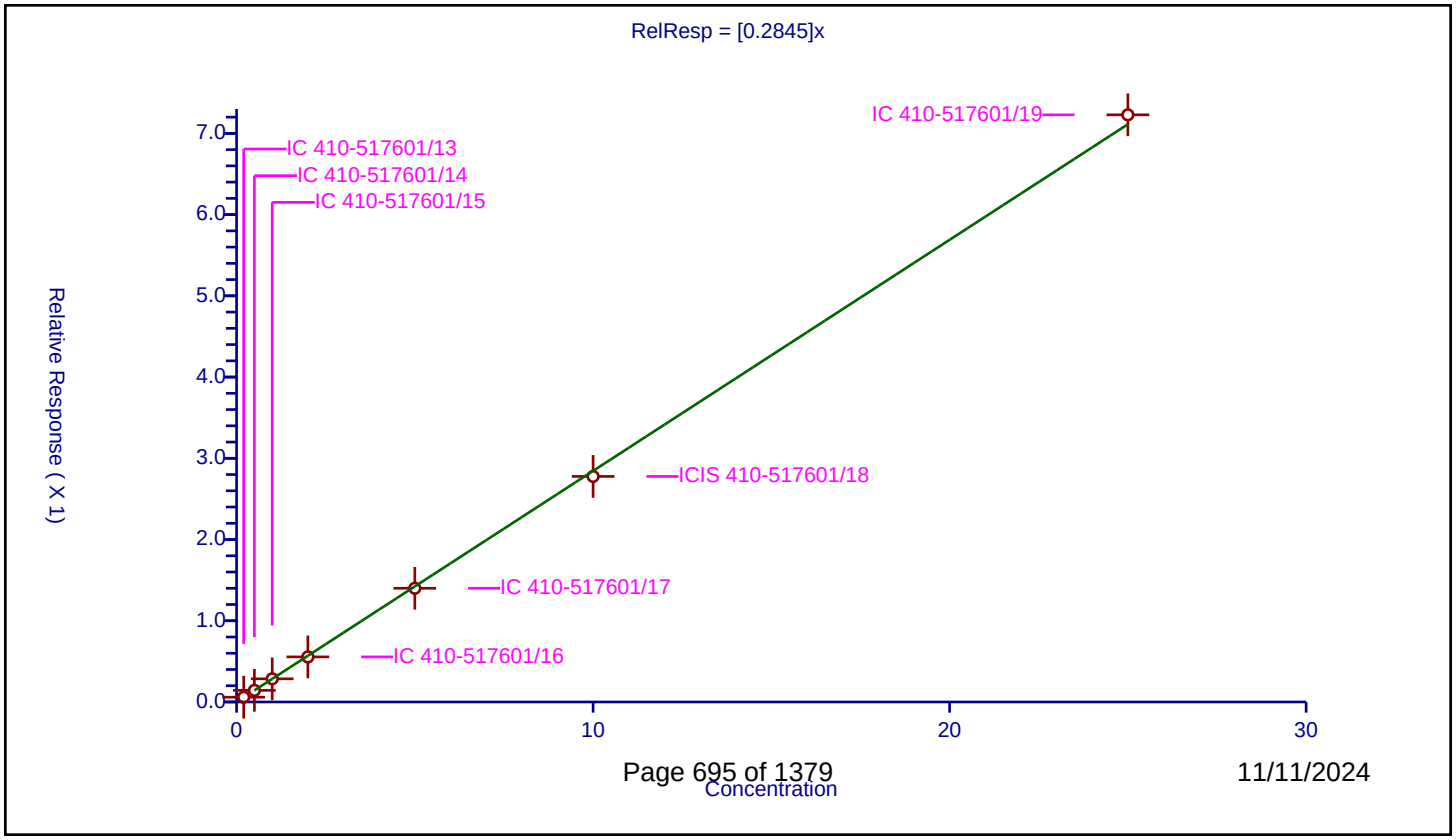
Curve Coefficients

Intercept:	0
Slope:	0.2845

Error Coefficients

Relative Standard Deviation:	2.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.059011	10.0	2259919.0	0.295055	Y
2	IC 410-517601/14	0.5	0.143375	10.0	2249339.0	0.286751	Y
3	IC 410-517601/15	1.0	0.285243	10.0	2225227.0	0.285243	Y
4	IC 410-517601/16	2.0	0.554888	10.0	2217927.0	0.277444	Y
5	IC 410-517601/17	5.0	1.400022	10.0	2250394.0	0.280004	Y
6	ICIS 410-517601/18	10.0	2.776897	10.0	2282400.0	0.27769	Y
7	IC 410-517601/19	25.0	7.22841	10.0	2233108.0	0.289136	Y



Calibration / Tert-amyl methyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

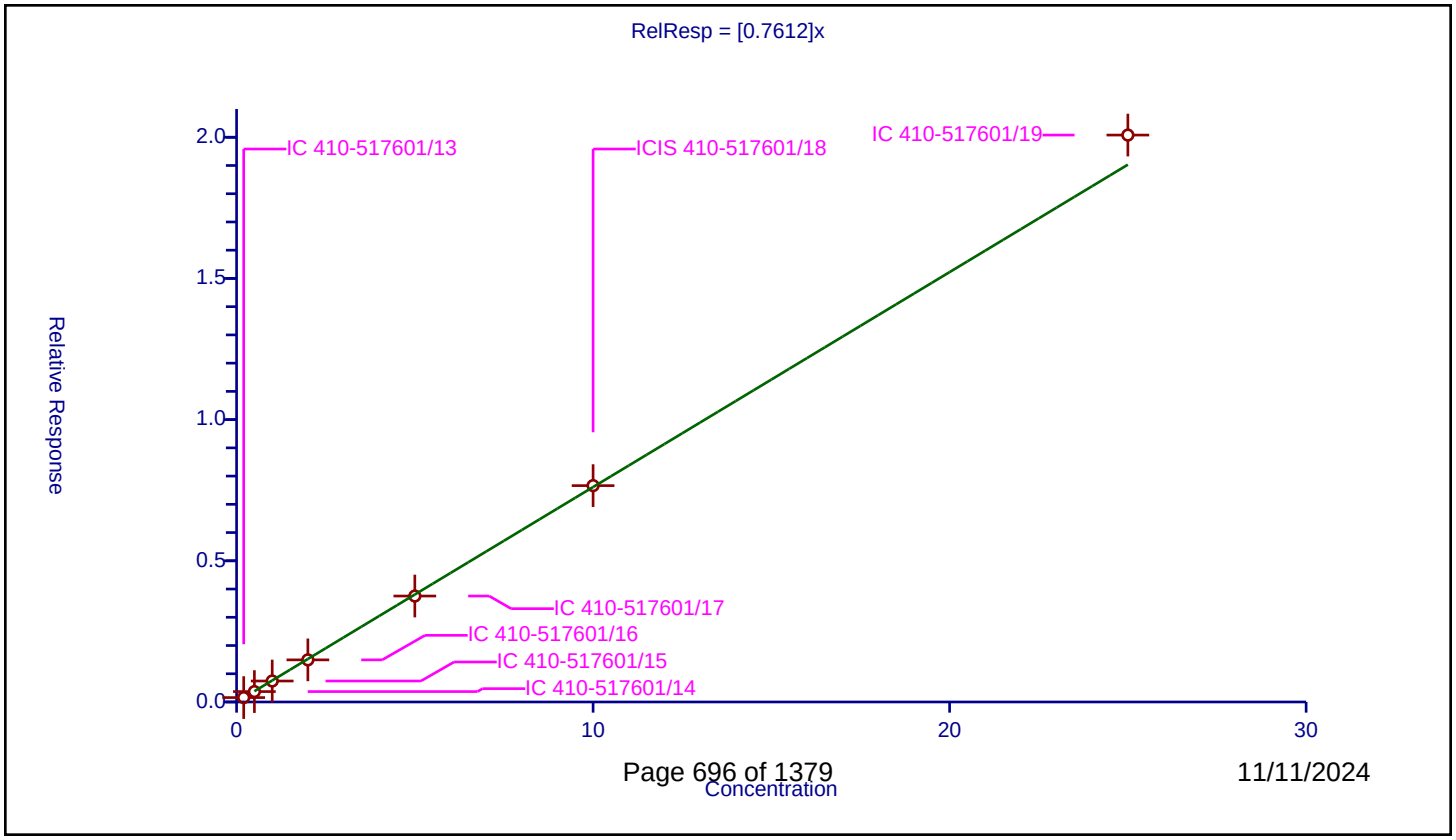
Curve Coefficients

Intercept:	0
Slope:	0.7612

Error Coefficients

Relative Standard Deviation:	3.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.156373	10.0	2259919.0	0.781864	Y
2	IC 410-517601/14	0.5	0.368944	10.0	2249339.0	0.737888	Y
3	IC 410-517601/15	1.0	0.742985	10.0	2225227.0	0.742985	Y
4	IC 410-517601/16	2.0	1.491871	10.0	2217927.0	0.745935	Y
5	IC 410-517601/17	5.0	3.75233	10.0	2250394.0	0.750466	Y
6	ICIS 410-517601/18	10.0	7.662728	10.0	2282400.0	0.766273	Y
7	IC 410-517601/19	25.0	20.077032	10.0	2233108.0	0.803081	Y



Calibration / n-Heptane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

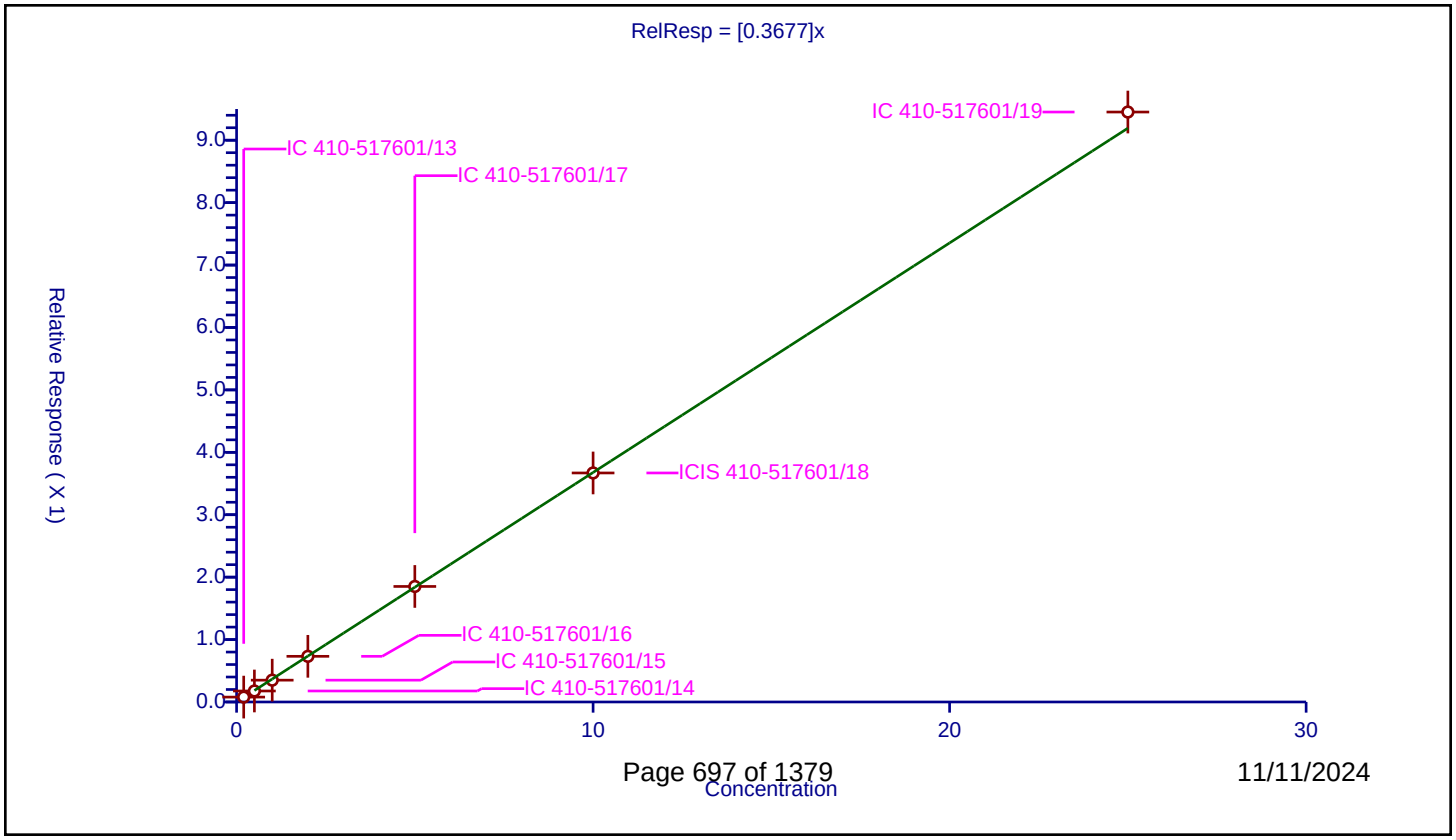
Curve Coefficients

Intercept:	0
Slope:	0.3677

Error Coefficients

Relative Standard Deviation:	3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.078189	10.0	2259919.0	0.390943	Y
2	IC 410-517601/14	0.5	0.176207	10.0	2249339.0	0.352415	Y
3	IC 410-517601/15	1.0	0.349749	10.0	2225227.0	0.349749	Y
4	IC 410-517601/16	2.0	0.731557	10.0	2217927.0	0.365778	Y
5	IC 410-517601/17	5.0	1.850778	10.0	2250394.0	0.370156	Y
6	ICIS 410-517601/18	10.0	3.669401	10.0	2282400.0	0.36694	Y
7	IC 410-517601/19	25.0	9.451554	10.0	2233108.0	0.378062	Y



Calibration / n-Butanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

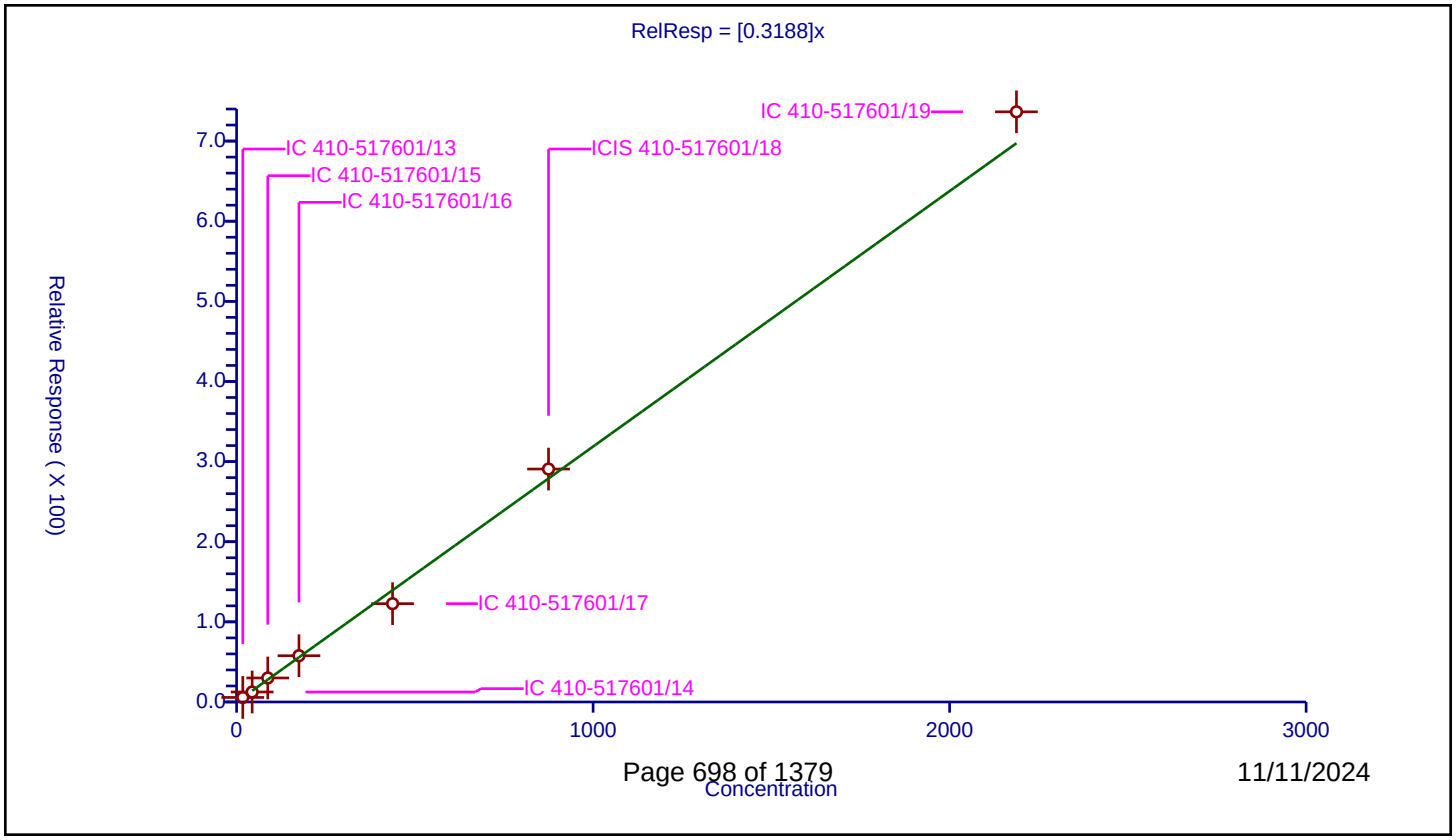
Curve Coefficients

Intercept:	0
Slope:	0.3188

Error Coefficients

Relative Standard Deviation:	7.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	17.5	5.661094	50.0	173659.0	0.323491	Y
2	IC 410-517601/14	43.75	12.500133	50.0	188422.0	0.285717	Y
3	IC 410-517601/15	87.5	29.980877	50.0	167862.0	0.342639	Y
4	IC 410-517601/16	175.0	57.767891	50.0	164311.0	0.330102	Y
5	IC 410-517601/17	437.5	122.706605	50.0	180780.0	0.280472	Y
6	ICIS 410-517601/18	875.0	290.720672	50.0	188699.0	0.332252	Y
7	IC 410-517601/19	2187.5	736.502655	50.0	188137.0	0.336687	Y



11/11/2024

Calibration / Trichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

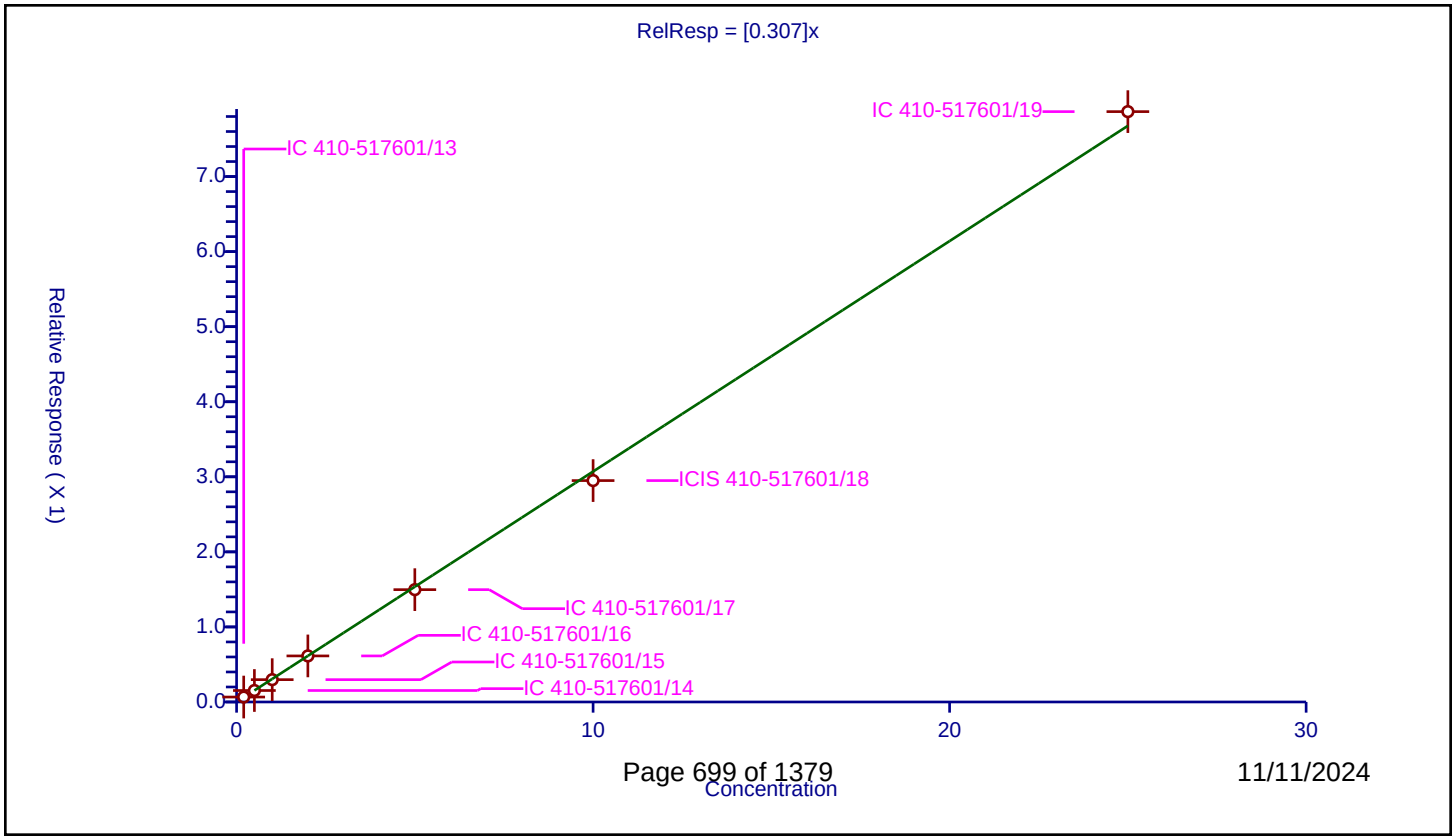
Curve Coefficients

Intercept:	0
Slope:	0.307

Error Coefficients

Relative Standard Deviation:	4.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.066064	10.0	2259919.0	0.330322	Y
2	IC 410-517601/14	0.5	0.152832	10.0	2249339.0	0.305663	Y
3	IC 410-517601/15	1.0	0.297583	10.0	2225227.0	0.297583	Y
4	IC 410-517601/16	2.0	0.613591	10.0	2217927.0	0.306795	Y
5	IC 410-517601/17	5.0	1.496751	10.0	2250394.0	0.29935	Y
6	ICIS 410-517601/18	10.0	2.949641	10.0	2282400.0	0.294964	Y
7	IC 410-517601/19	25.0	7.865356	10.0	2233108.0	0.314614	Y



Calibration / Methylcyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

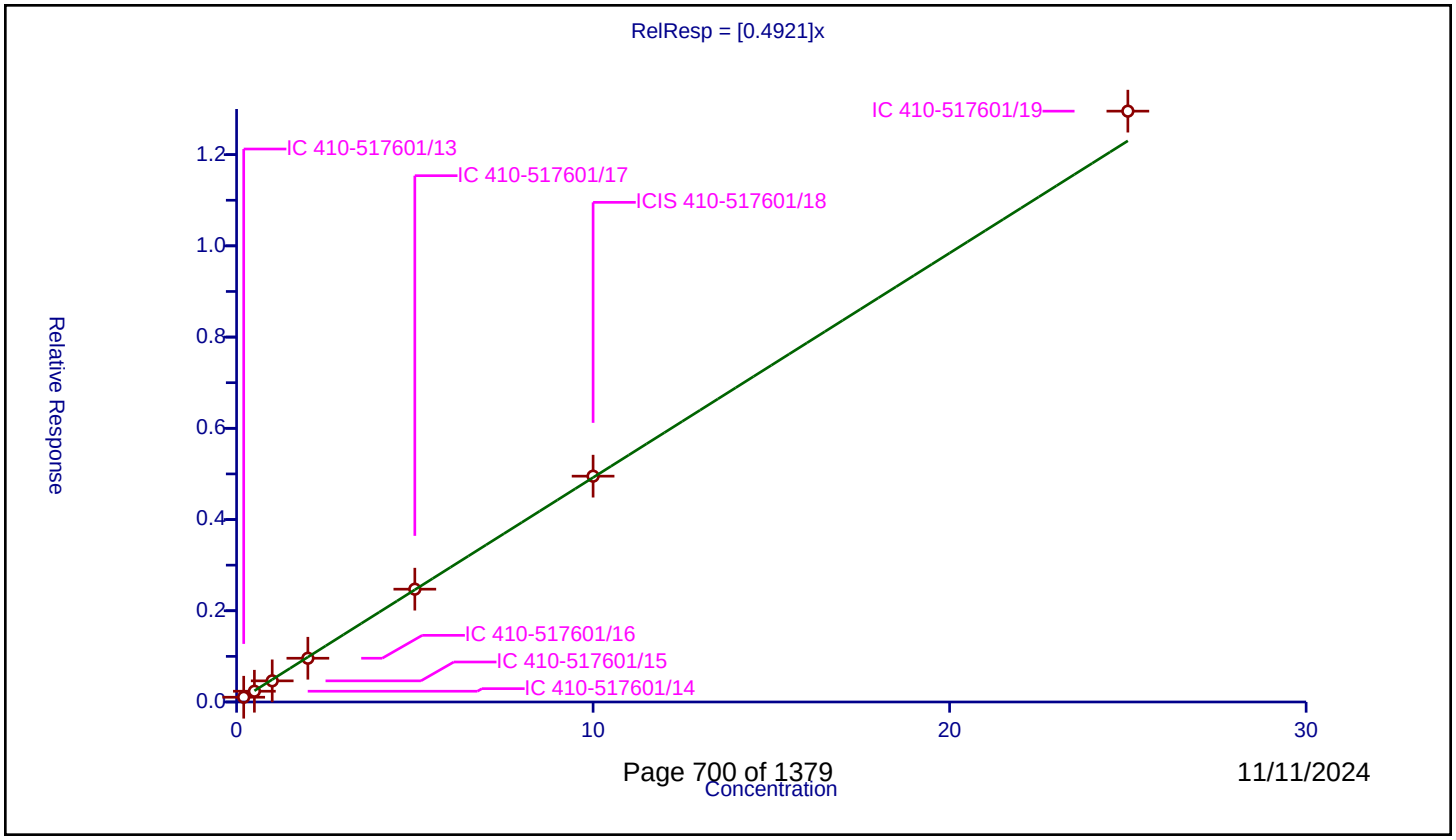
Curve Coefficients

Intercept:	0
Slope:	0.4921

Error Coefficients

Relative Standard Deviation:	4.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.104535	10.0	2259919.0	0.522674	Y
2	IC 410-517601/14	0.5	0.235687	10.0	2249339.0	0.471374	Y
3	IC 410-517601/15	1.0	0.463476	10.0	2225227.0	0.463476	Y
4	IC 410-517601/16	2.0	0.958801	10.0	2217927.0	0.4794	Y
5	IC 410-517601/17	5.0	2.47302	10.0	2250394.0	0.494604	Y
6	ICIS 410-517601/18	10.0	4.950719	10.0	2282400.0	0.495072	Y
7	IC 410-517601/19	25.0	12.95344	10.0	2233108.0	0.518138	Y



Calibration / 1,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

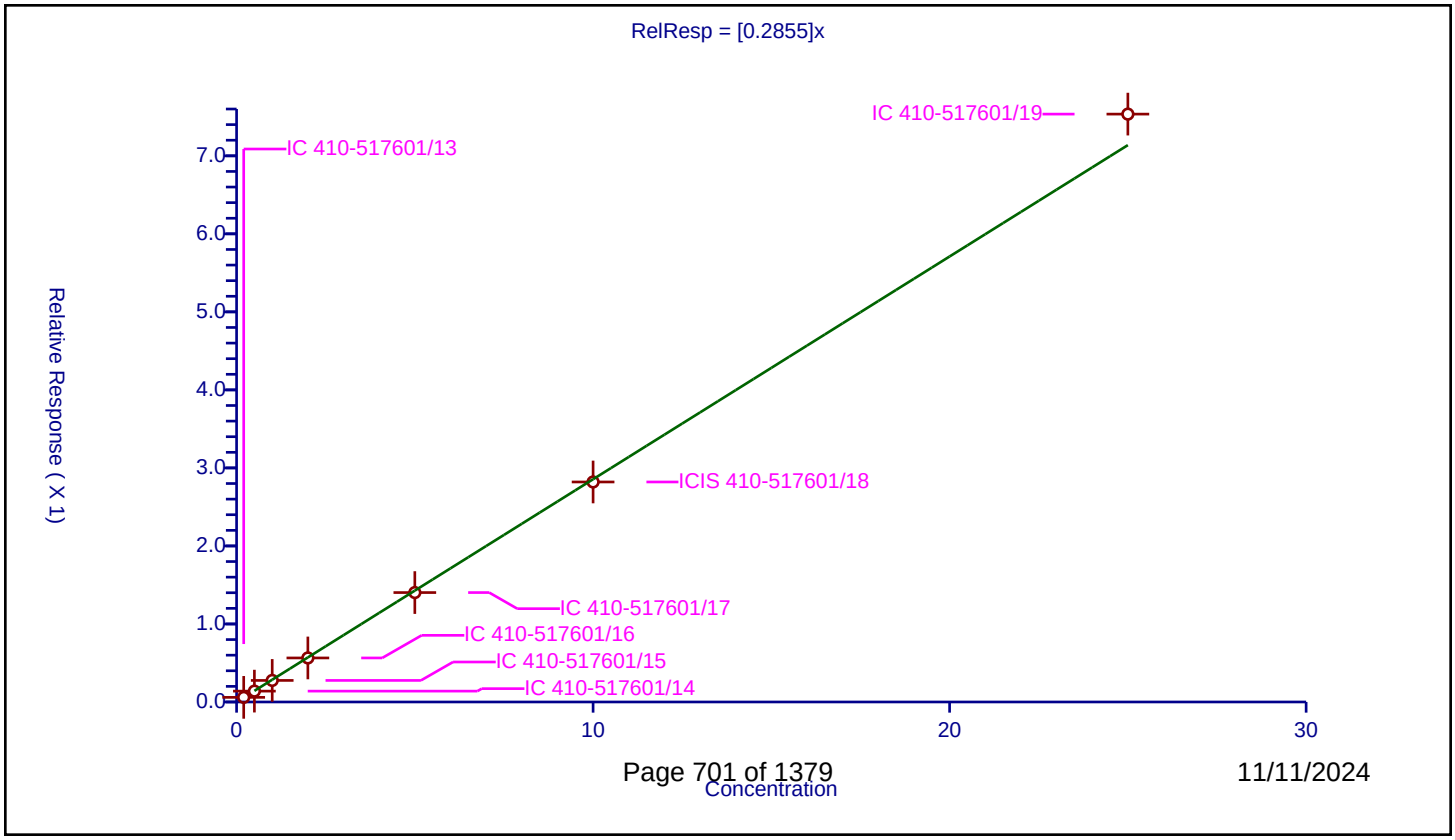
Curve Coefficients

Intercept:	0
Slope:	0.2855

Error Coefficients

Relative Standard Deviation:	3.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.059414	10.0	2259919.0	0.297068	Y
2	IC 410-517601/14	0.5	0.139401	10.0	2249339.0	0.278802	Y
3	IC 410-517601/15	1.0	0.276435	10.0	2225227.0	0.276435	Y
4	IC 410-517601/16	2.0	0.564568	10.0	2217927.0	0.282284	Y
5	IC 410-517601/17	5.0	1.402354	10.0	2250394.0	0.280471	Y
6	ICIS 410-517601/18	10.0	2.819979	10.0	2282400.0	0.281998	Y
7	IC 410-517601/19	25.0	7.534562	10.0	2233108.0	0.301382	Y



Calibration / 1,4-Dioxane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

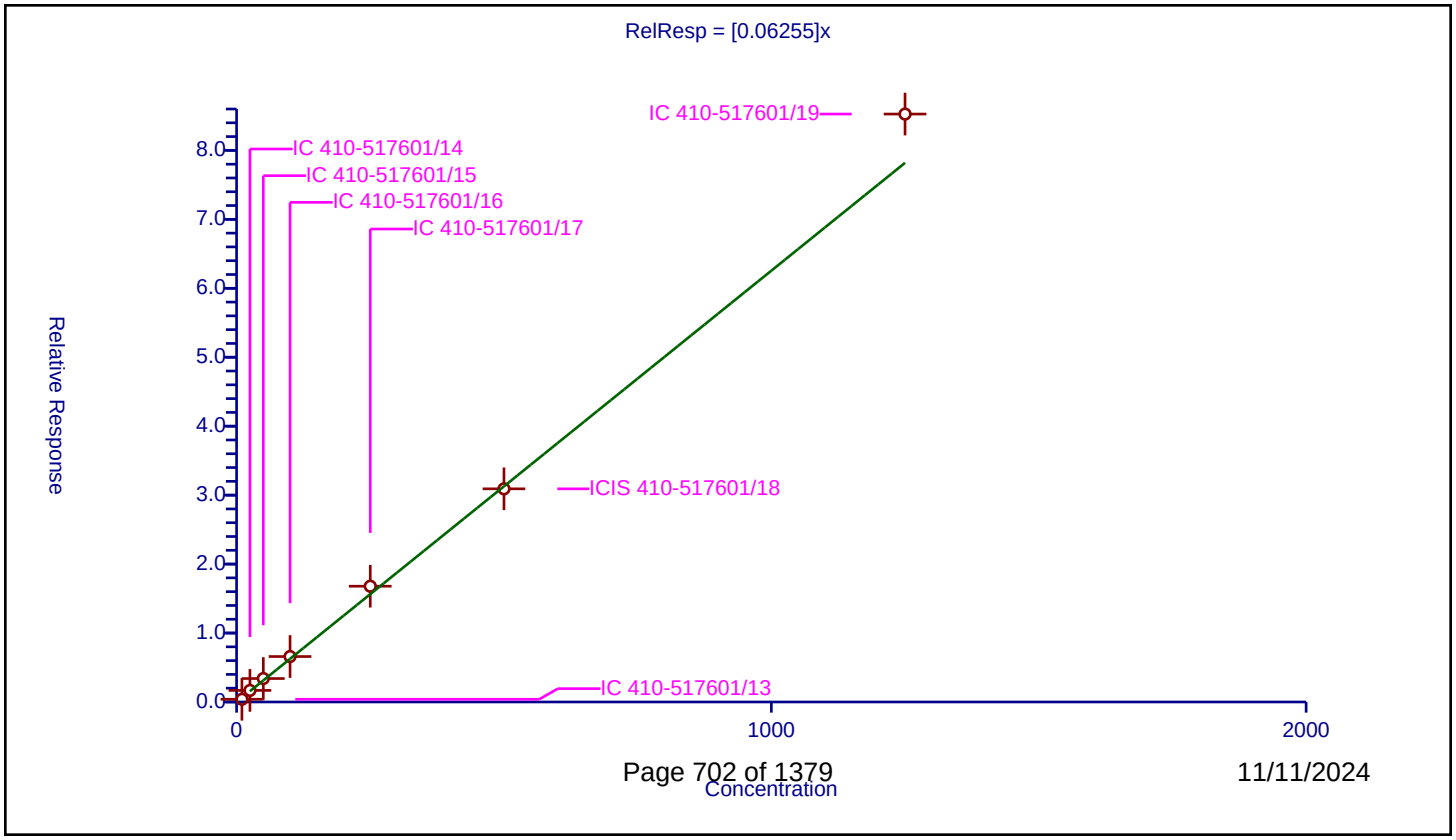
Curve Coefficients

Intercept:	0
Slope:	0.06255

Error Coefficients

Relative Standard Deviation:	16.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	10.0	0.395027	50.0	173659.0	0.039503	Y
2	IC 410-517601/14	25.0	1.680271	50.0	188422.0	0.067211	Y
3	IC 410-517601/15	50.0	3.401008	50.0	167862.0	0.06802	Y
4	IC 410-517601/16	100.0	6.592377	50.0	164311.0	0.065924	Y
5	IC 410-517601/17	250.0	16.790298	50.0	180780.0	0.067161	Y
6	ICIS 410-517601/18	500.0	30.915638	50.0	188699.0	0.061831	Y
7	IC 410-517601/19	1250.0	85.267651	50.0	188137.0	0.068214	Y



Calibration / Methyl methacrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

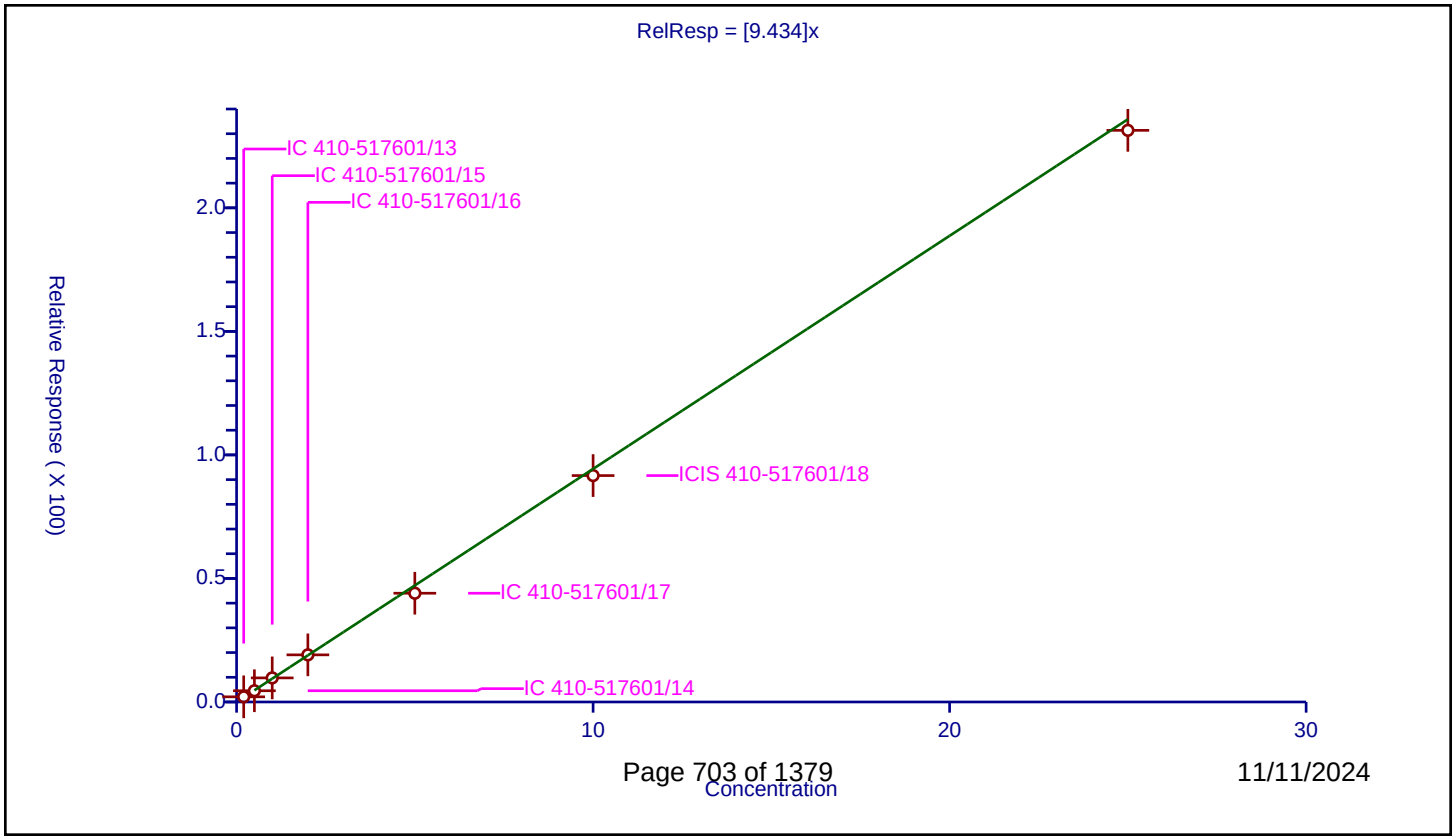
Curve Coefficients

Intercept:	0
Slope:	9.434

Error Coefficients

Relative Standard Deviation:	5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	2.083105	50.0	173659.0	10.415527	Y
2	IC 410-517601/14	0.5	4.550424	50.0	188422.0	9.100848	Y
3	IC 410-517601/15	1.0	9.756824	50.0	167862.0	9.756824	Y
4	IC 410-517601/16	2.0	19.081802	50.0	164311.0	9.540901	Y
5	IC 410-517601/17	5.0	44.01759	50.0	180780.0	8.803518	Y
6	ICIS 410-517601/18	10.0	91.635356	50.0	188699.0	9.163536	Y
7	IC 410-517601/19	25.0	231.368365	50.0	188137.0	9.254735	Y



Calibration / Dibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

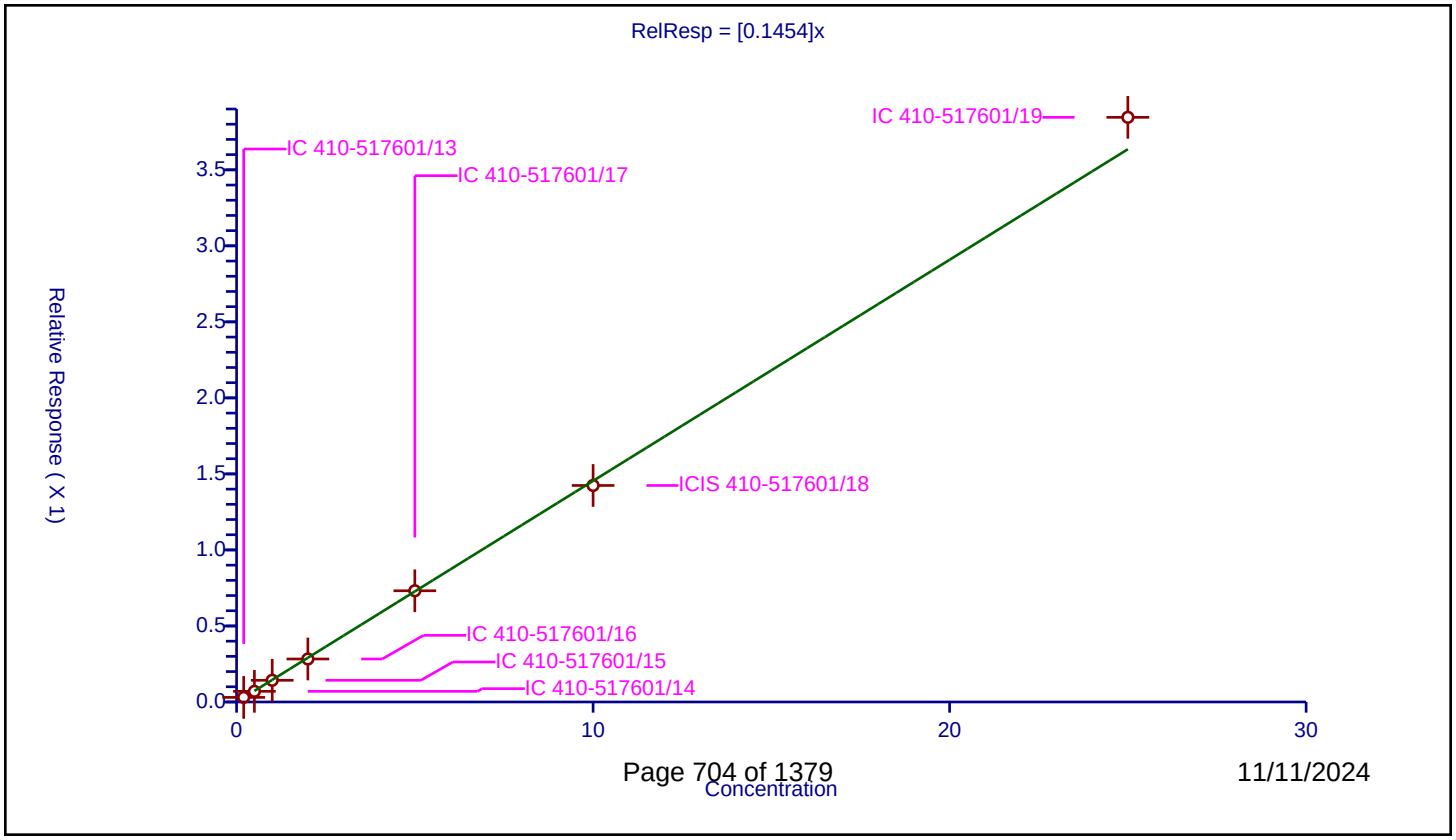
Curve Coefficients

Intercept:	0
Slope:	0.1454

Error Coefficients

Relative Standard Deviation:	3.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.030249	10.0	2259919.0	0.151244	Y
2	IC 410-517601/14	0.5	0.070029	10.0	2249339.0	0.140059	Y
3	IC 410-517601/15	1.0	0.142736	10.0	2225227.0	0.142736	Y
4	IC 410-517601/16	2.0	0.282773	10.0	2217927.0	0.141387	Y
5	IC 410-517601/17	5.0	0.731401	10.0	2250394.0	0.14628	Y
6	ICIS 410-517601/18	10.0	1.424093	10.0	2282400.0	0.142409	Y
7	IC 410-517601/19	25.0	3.845354	10.0	2233108.0	0.153814	Y



Calibration / Dichlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

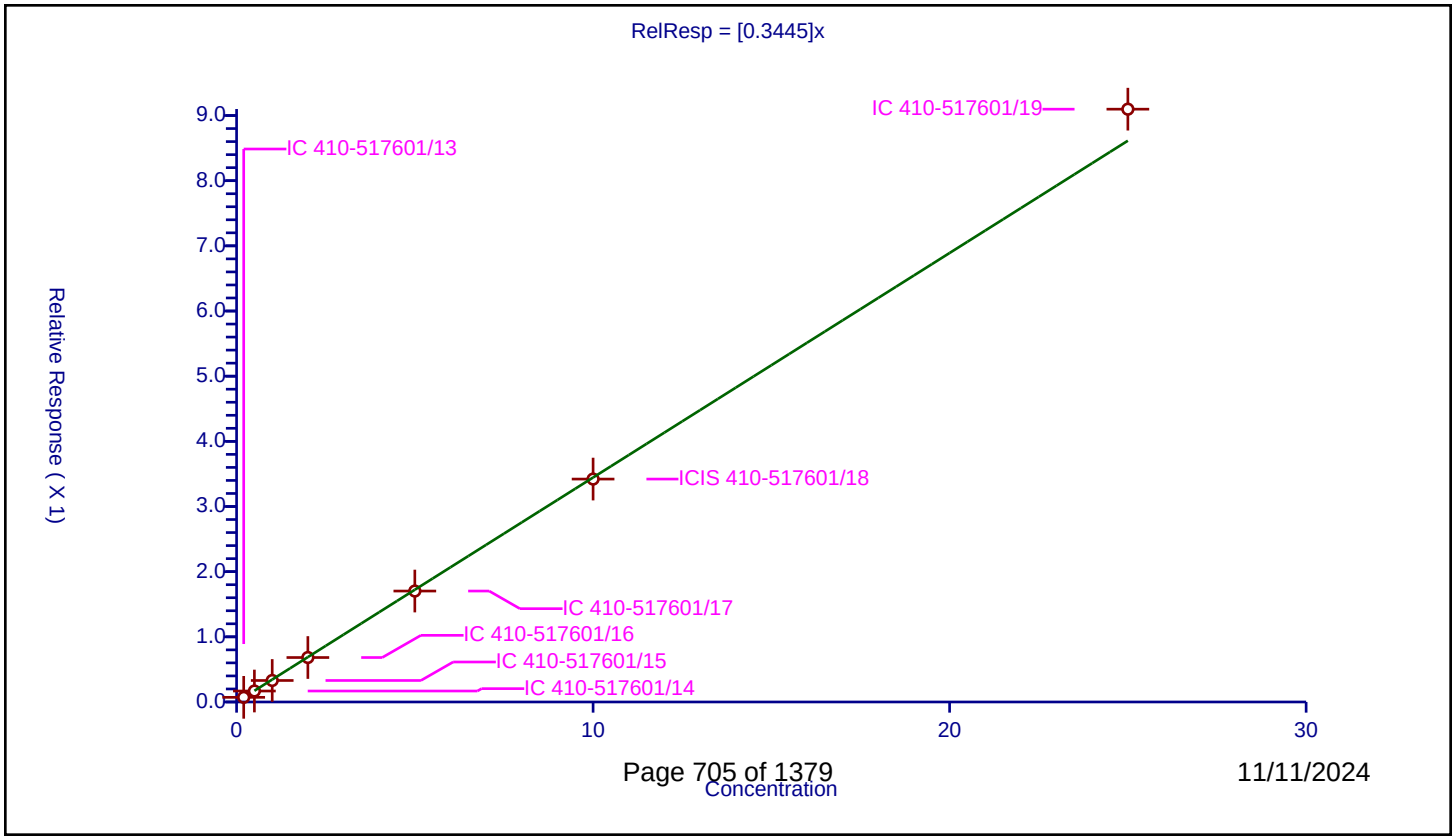
Curve Coefficients

Intercept:	0
Slope:	0.3445

Error Coefficients

Relative Standard Deviation:	3.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.071357	10.0	2259919.0	0.356783	Y
2	IC 410-517601/14	0.5	0.168503	10.0	2249339.0	0.337006	Y
3	IC 410-517601/15	1.0	0.330106	10.0	2225227.0	0.330106	Y
4	IC 410-517601/16	2.0	0.682543	10.0	2217927.0	0.341271	Y
5	IC 410-517601/17	5.0	1.702795	10.0	2250394.0	0.340559	Y
6	ICIS 410-517601/18	10.0	3.420838	10.0	2282400.0	0.342084	Y
7	IC 410-517601/19	25.0	9.097442	10.0	2233108.0	0.363898	Y



Calibration / 2-Nitropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

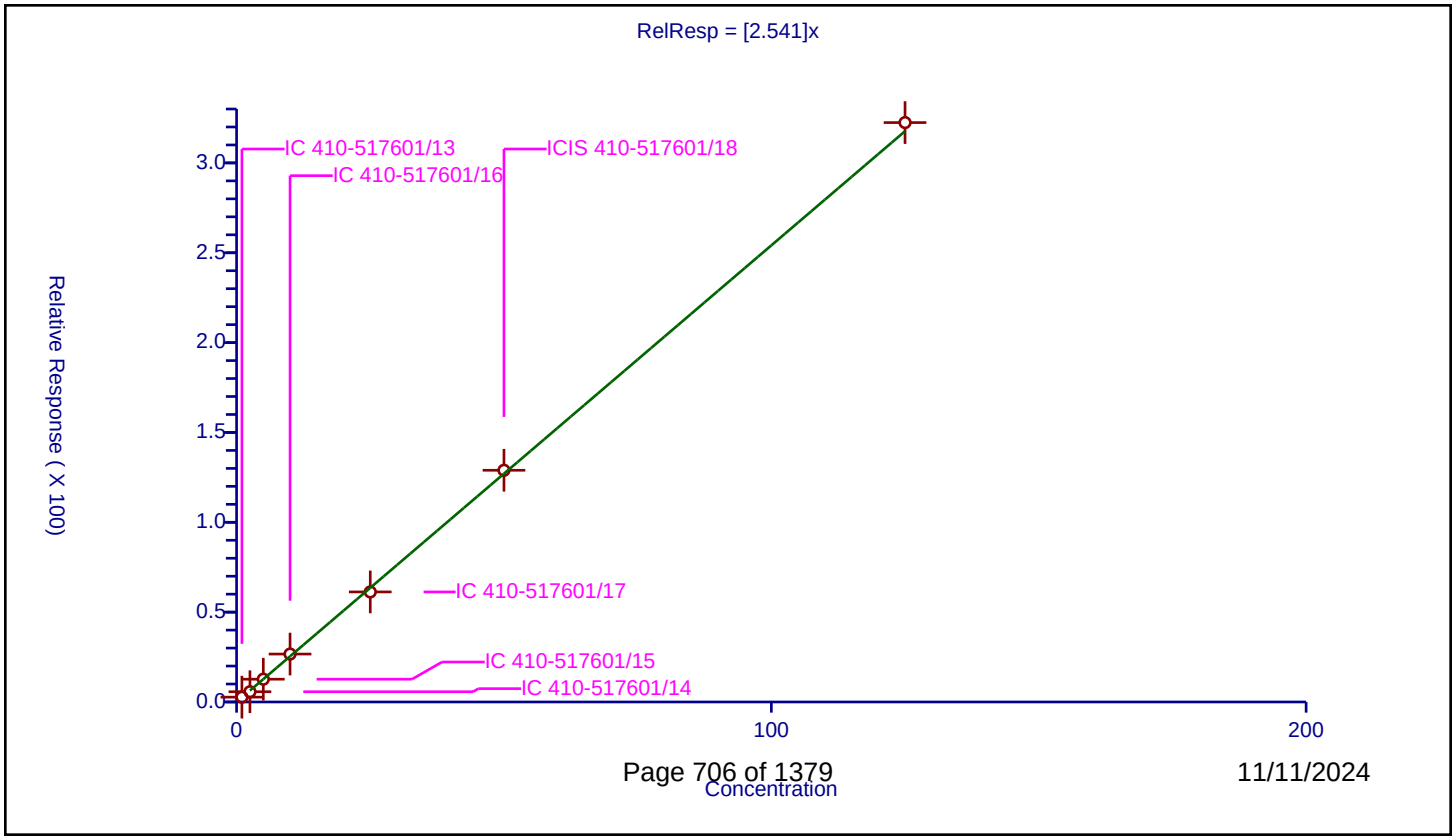
Curve Coefficients

Intercept:	0
Slope:	2.541

Error Coefficients

Relative Standard Deviation:	5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	1.0	2.696088	50.0	173659.0	2.696088	Y
2	IC 410-517601/14	2.5	5.699706	50.0	188422.0	2.279882	Y
3	IC 410-517601/15	5.0	12.679165	50.0	167862.0	2.535833	Y
4	IC 410-517601/16	10.0	26.679894	50.0	164311.0	2.667989	Y
5	IC 410-517601/17	25.0	61.248755	50.0	180780.0	2.44995	Y
6	ICIS 410-517601/18	50.0	128.950869	50.0	188699.0	2.579017	Y
7	IC 410-517601/19	125.0	322.453053	50.0	188137.0	2.579624	Y



Calibration / 1-Bromo-2-chloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

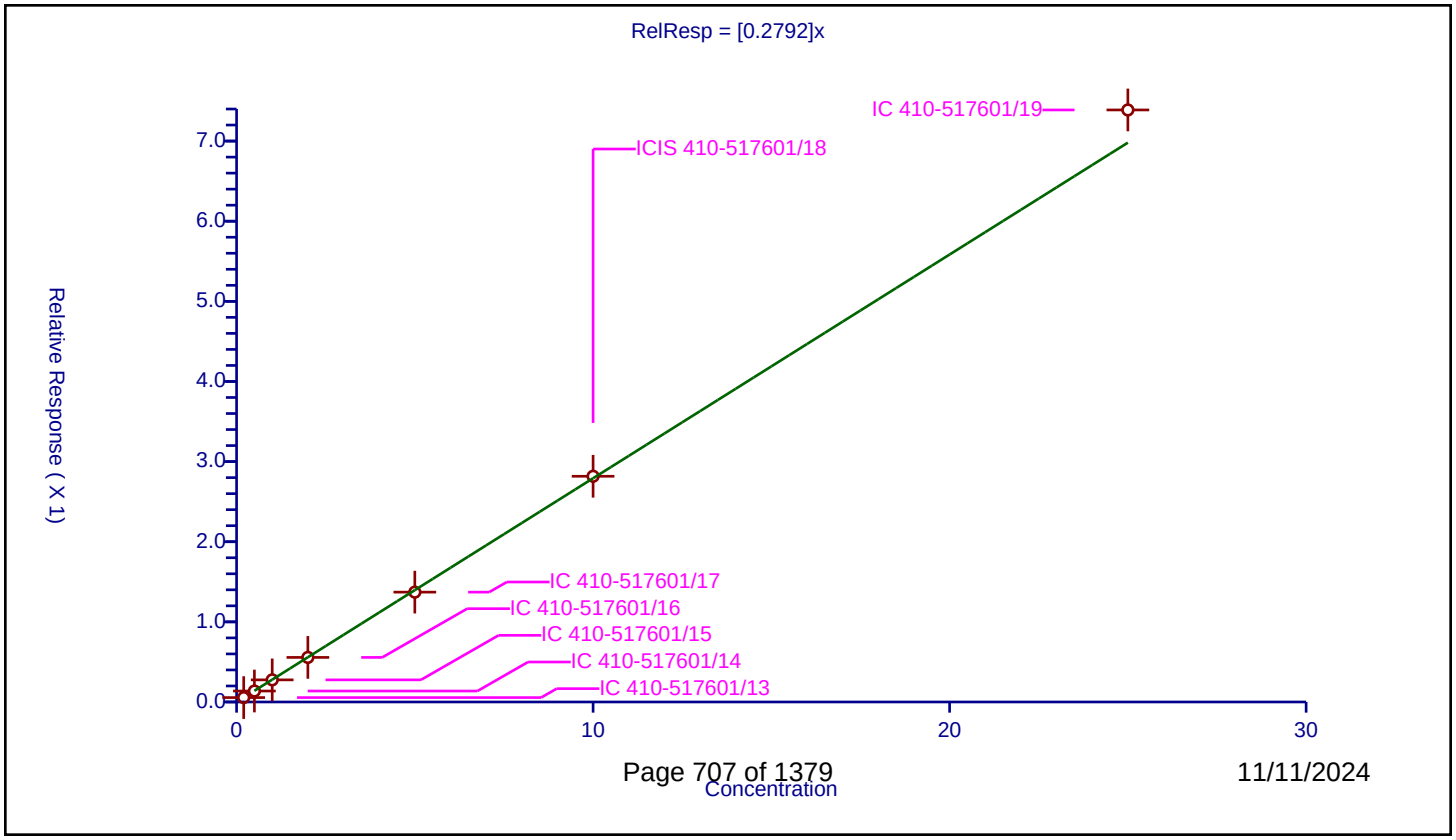
Curve Coefficients

Intercept:	0
Slope:	0.2792

Error Coefficients

Relative Standard Deviation:	2.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.055064	10.0	2259919.0	0.27532	Y
2	IC 410-517601/14	0.5	0.136774	10.0	2249339.0	0.273547	Y
3	IC 410-517601/15	1.0	0.276089	10.0	2225227.0	0.276089	Y
4	IC 410-517601/16	2.0	0.556091	10.0	2217927.0	0.278046	Y
5	IC 410-517601/17	5.0	1.370884	10.0	2250394.0	0.274177	Y
6	ICIS 410-517601/18	10.0	2.817004	10.0	2282400.0	0.2817	Y
7	IC 410-517601/19	25.0	7.388322	10.0	2233108.0	0.295533	Y



Calibration / cis-1,3-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

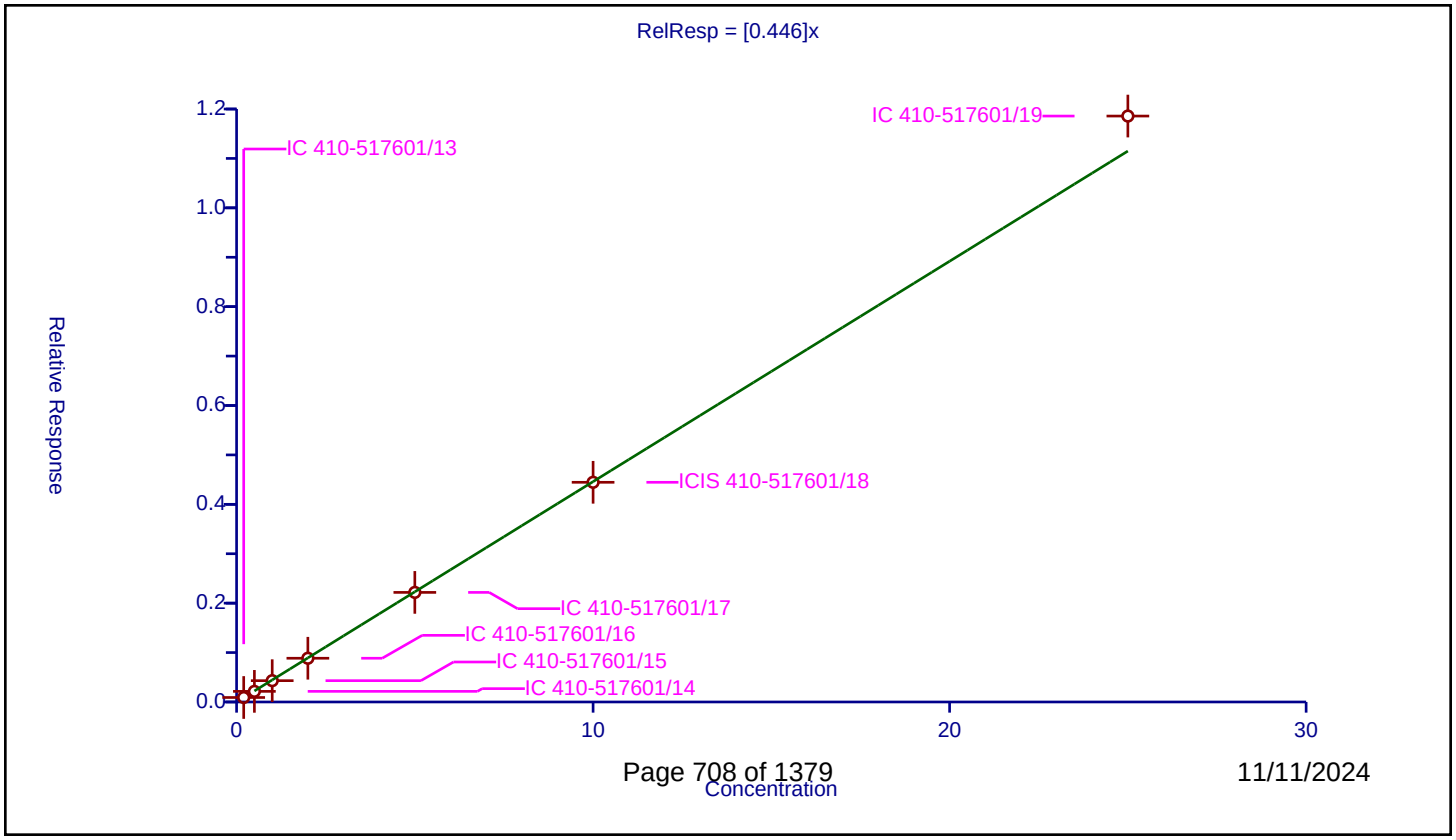
Curve Coefficients

Intercept:	0
Slope:	0.446

Error Coefficients

Relative Standard Deviation:	3.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.091065	10.0	2259919.0	0.455326	Y
2	IC 410-517601/14	0.5	0.21505	10.0	2249339.0	0.4301	Y
3	IC 410-517601/15	1.0	0.431349	10.0	2225227.0	0.431349	Y
4	IC 410-517601/16	2.0	0.885038	10.0	2217927.0	0.442519	Y
5	IC 410-517601/17	5.0	2.217709	10.0	2250394.0	0.443542	Y
6	ICIS 410-517601/18	10.0	4.445917	10.0	2282400.0	0.444592	Y
7	IC 410-517601/19	25.0	11.85751	10.0	2233108.0	0.4743	Y



Calibration / 4-Methyl-2-pentanone (MIBK)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

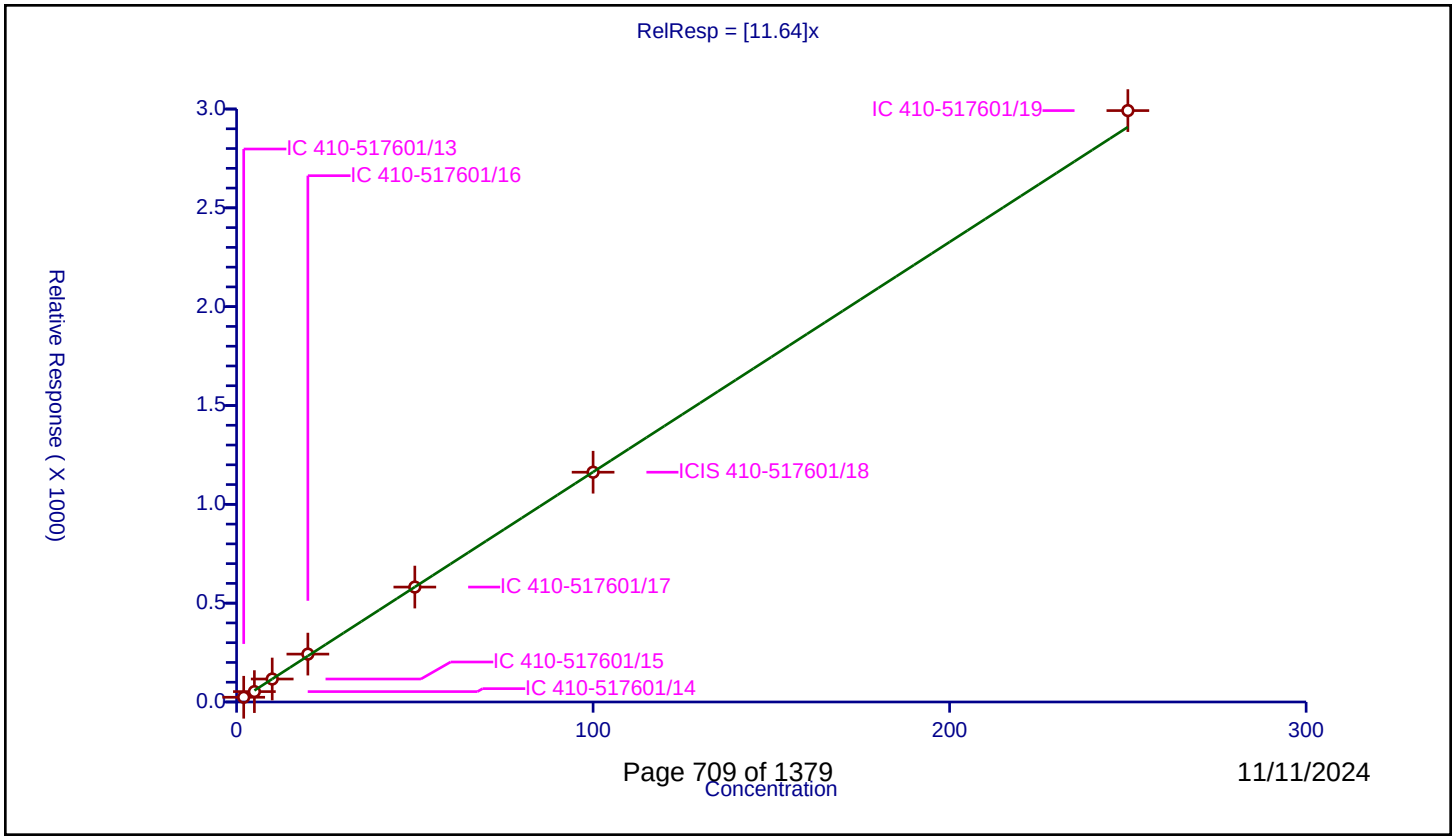
Curve Coefficients

Intercept:	0
Slope:	11.64

Error Coefficients

Relative Standard Deviation:	4.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	2.0	23.947506	50.0	173659.0	11.973753	Y
2	IC 410-517601/14	5.0	52.580909	50.0	188422.0	10.516182	Y
3	IC 410-517601/15	10.0	116.24519	50.0	167862.0	11.624519	Y
4	IC 410-517601/16	20.0	242.295403	50.0	164311.0	12.11477	Y
5	IC 410-517601/17	50.0	581.372939	50.0	180780.0	11.627459	Y
6	ICIS 410-517601/18	100.0	1162.526563	50.0	188699.0	11.625266	Y
7	IC 410-517601/19	250.0	2992.020974	50.0	188137.0	11.968084	Y



Calibration / Toluene-d8 (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

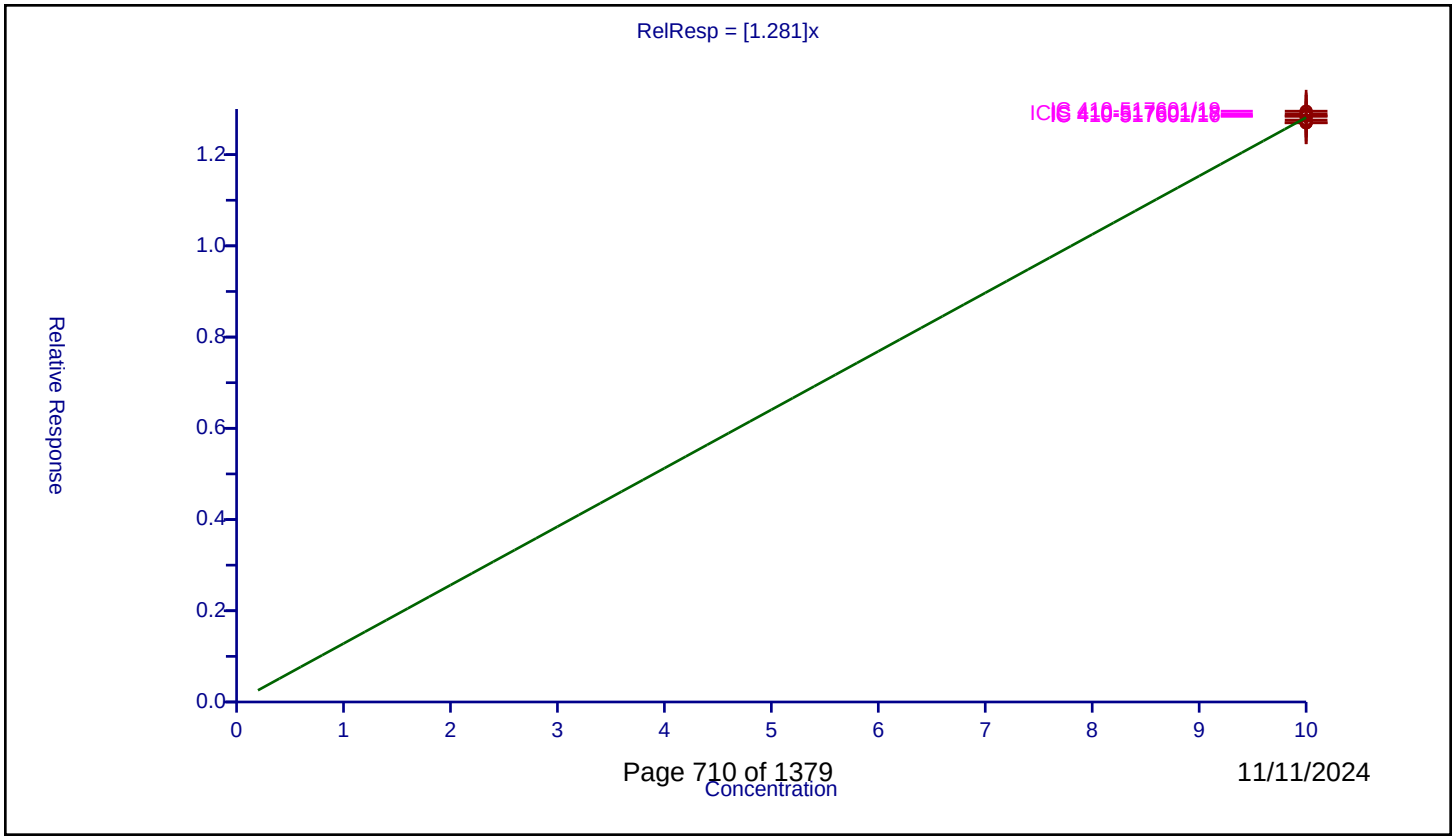
Curve Coefficients

Intercept:	0
Slope:	1.281

Error Coefficients

Relative Standard Deviation:	0.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	10.0	12.758369	10.0	1782883.0	1.275837	Y
2	IC 410-517601/14	10.0	12.699329	10.0	1784584.0	1.269933	Y
3	IC 410-517601/15	10.0	12.698005	10.0	1748651.0	1.269801	Y
4	IC 410-517601/16	10.0	12.849282	10.0	1740765.0	1.284928	Y
5	IC 410-517601/17	10.0	12.8405	10.0	1774642.0	1.28405	Y
6	ICIS 410-517601/18	10.0	12.892911	10.0	1791303.0	1.289291	Y
7	IC 410-517601/19	10.0	12.952679	10.0	1739935.0	1.295268	Y



Calibration / Toluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

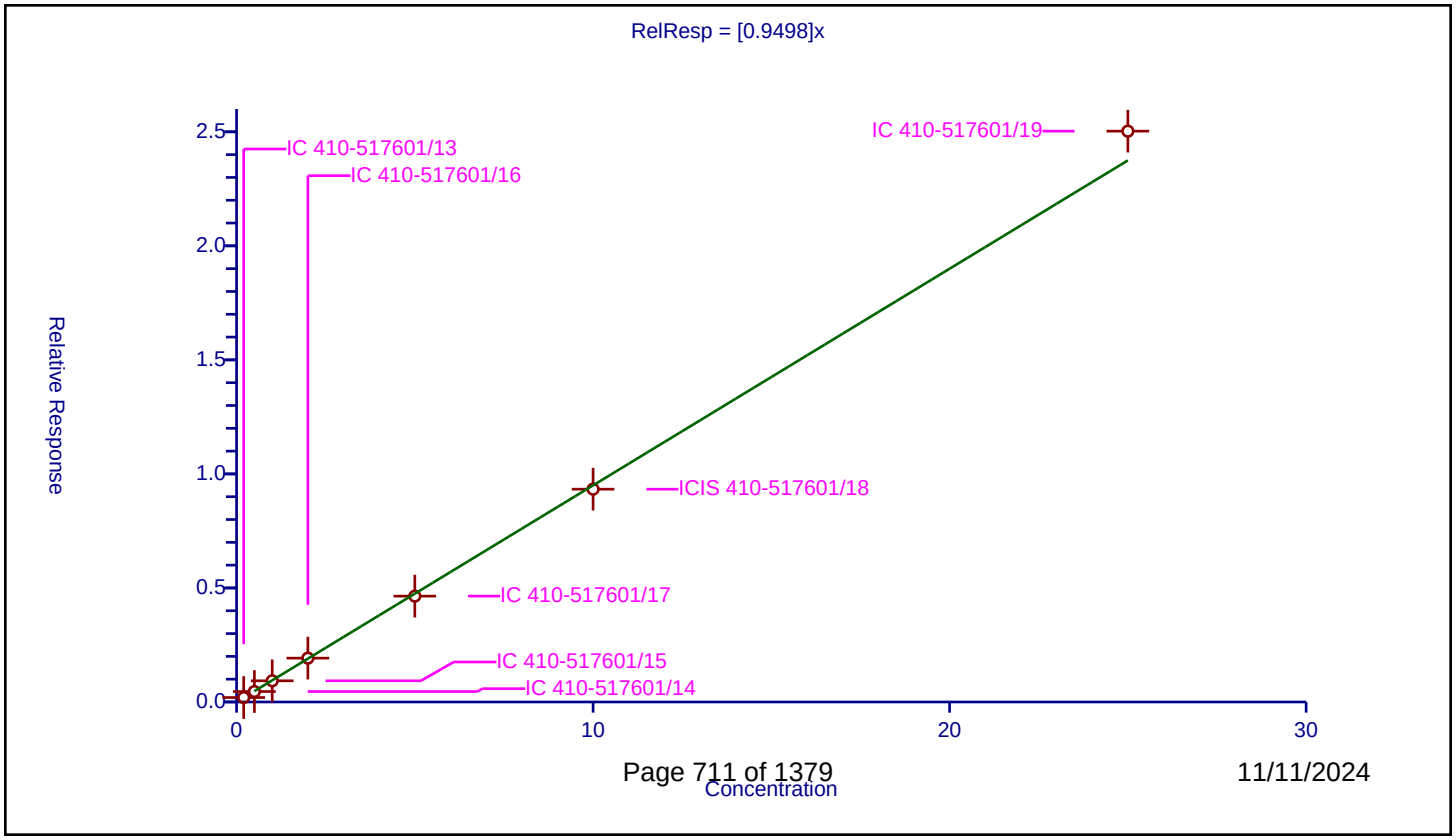
Curve Coefficients

Intercept:	0
Slope:	0.9498

Error Coefficients

Relative Standard Deviation:	3.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.195767	10.0	1782883.0	0.978836	Y
2	IC 410-517601/14	0.5	0.458583	10.0	1784584.0	0.917166	Y
3	IC 410-517601/15	1.0	0.929213	10.0	1748651.0	0.929213	Y
4	IC 410-517601/16	2.0	1.922253	10.0	1740765.0	0.961126	Y
5	IC 410-517601/17	5.0	4.641697	10.0	1774642.0	0.928339	Y
6	ICIS 410-517601/18	10.0	9.33094	10.0	1791303.0	0.933094	Y
7	IC 410-517601/19	25.0	25.029061	10.0	1739935.0	1.001162	Y



Calibration / trans-1,3-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

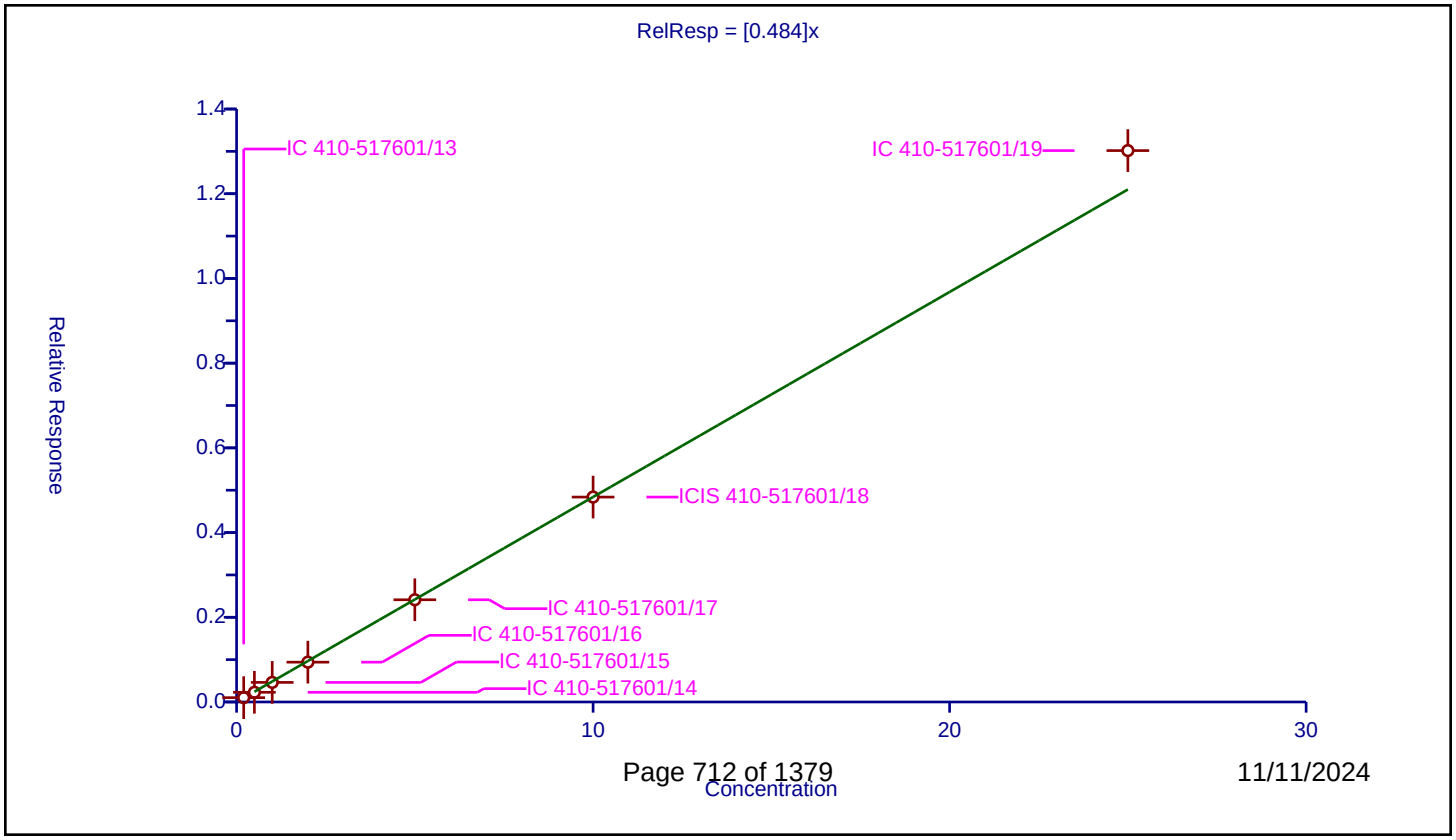
Curve Coefficients

Intercept:	0
Slope:	0.484

Error Coefficients

Relative Standard Deviation:	4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.102071	10.0	1782883.0	0.510353	Y
2	IC 410-517601/14	0.5	0.228787	10.0	1784584.0	0.457574	Y
3	IC 410-517601/15	1.0	0.462665	10.0	1748651.0	0.462665	Y
4	IC 410-517601/16	2.0	0.940271	10.0	1740765.0	0.470135	Y
5	IC 410-517601/17	5.0	2.413777	10.0	1774642.0	0.482755	Y
6	ICIS 410-517601/18	10.0	4.837964	10.0	1791303.0	0.483796	Y
7	IC 410-517601/19	25.0	13.018762	10.0	1739935.0	0.52075	Y



Calibration / Ethyl methacrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

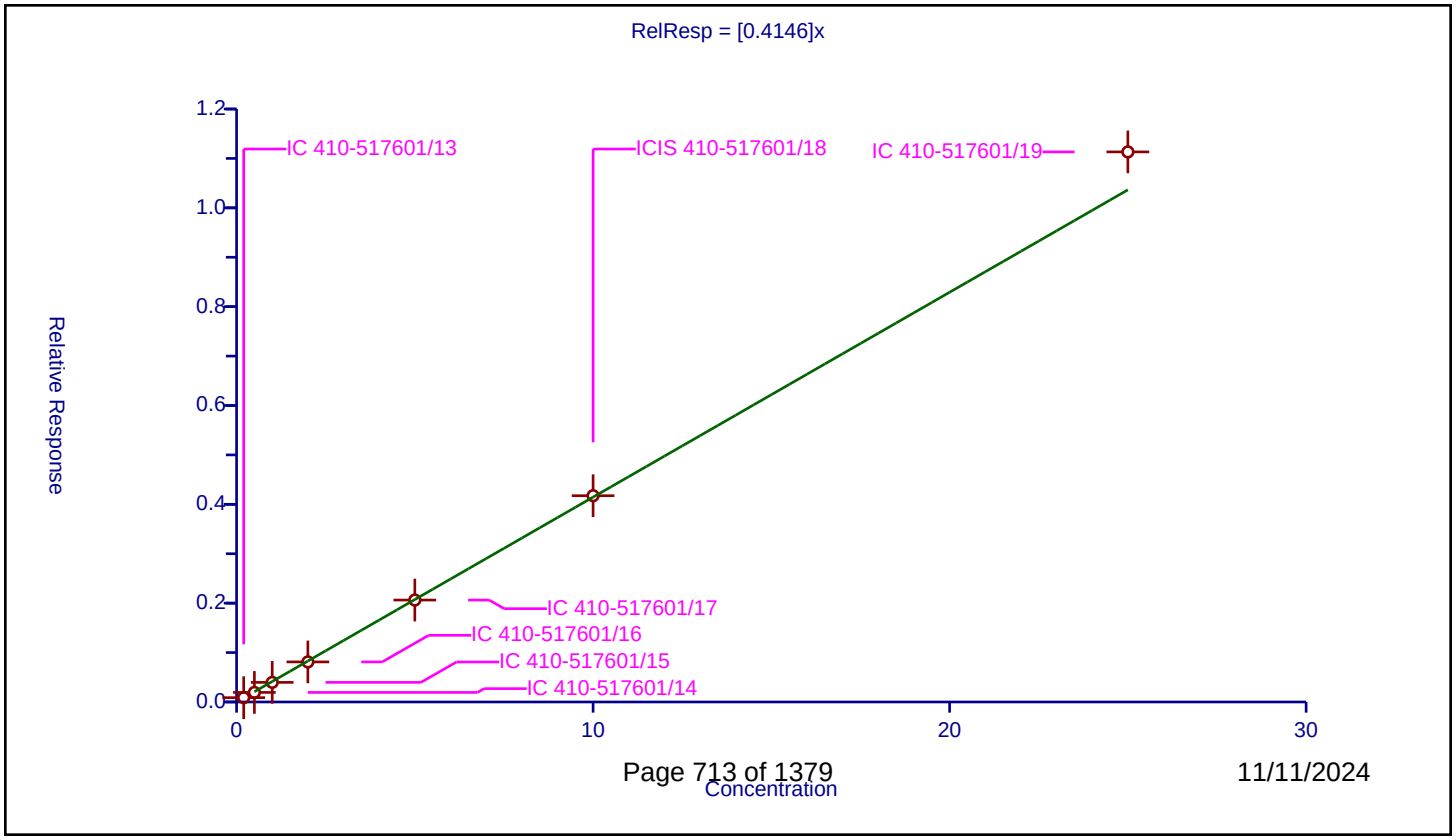
Curve Coefficients

Intercept:	0
Slope:	0.4146

Error Coefficients

Relative Standard Deviation:	5.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.087493	10.0	1782883.0	0.437466	Y
2	IC 410-517601/14	0.5	0.19335	10.0	1784584.0	0.386701	Y
3	IC 410-517601/15	1.0	0.397037	10.0	1748651.0	0.397037	Y
4	IC 410-517601/16	2.0	0.810948	10.0	1740765.0	0.405474	Y
5	IC 410-517601/17	5.0	2.062794	10.0	1774642.0	0.412559	Y
6	ICIS 410-517601/18	10.0	4.174397	10.0	1791303.0	0.41744	Y
7	IC 410-517601/19	25.0	11.132117	10.0	1739935.0	0.445285	Y



Calibration / 1,1,2-Trichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

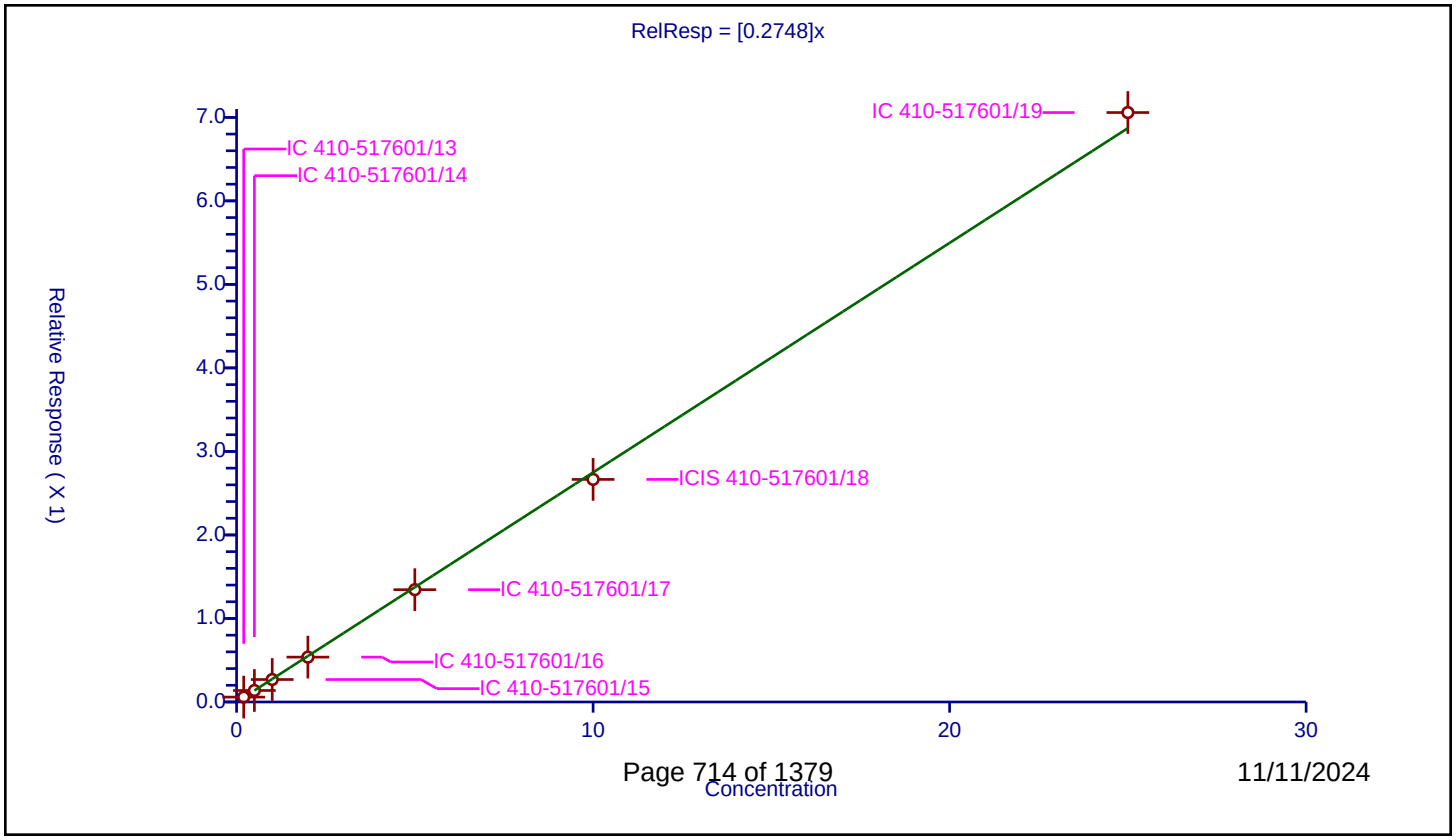
Curve Coefficients

Intercept:	0
Slope:	0.2748

Error Coefficients

Relative Standard Deviation:	3.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.058534	10.0	1782883.0	0.292672	Y
2	IC 410-517601/14	0.5	0.13792	10.0	1784584.0	0.27584	Y
3	IC 410-517601/15	1.0	0.26903	10.0	1748651.0	0.26903	Y
4	IC 410-517601/16	2.0	0.537109	10.0	1740765.0	0.268554	Y
5	IC 410-517601/17	5.0	1.344835	10.0	1774642.0	0.268967	Y
6	ICIS 410-517601/18	10.0	2.664932	10.0	1791303.0	0.266493	Y
7	IC 410-517601/19	25.0	7.057976	10.0	1739935.0	0.282319	Y



Calibration / Tetrachloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

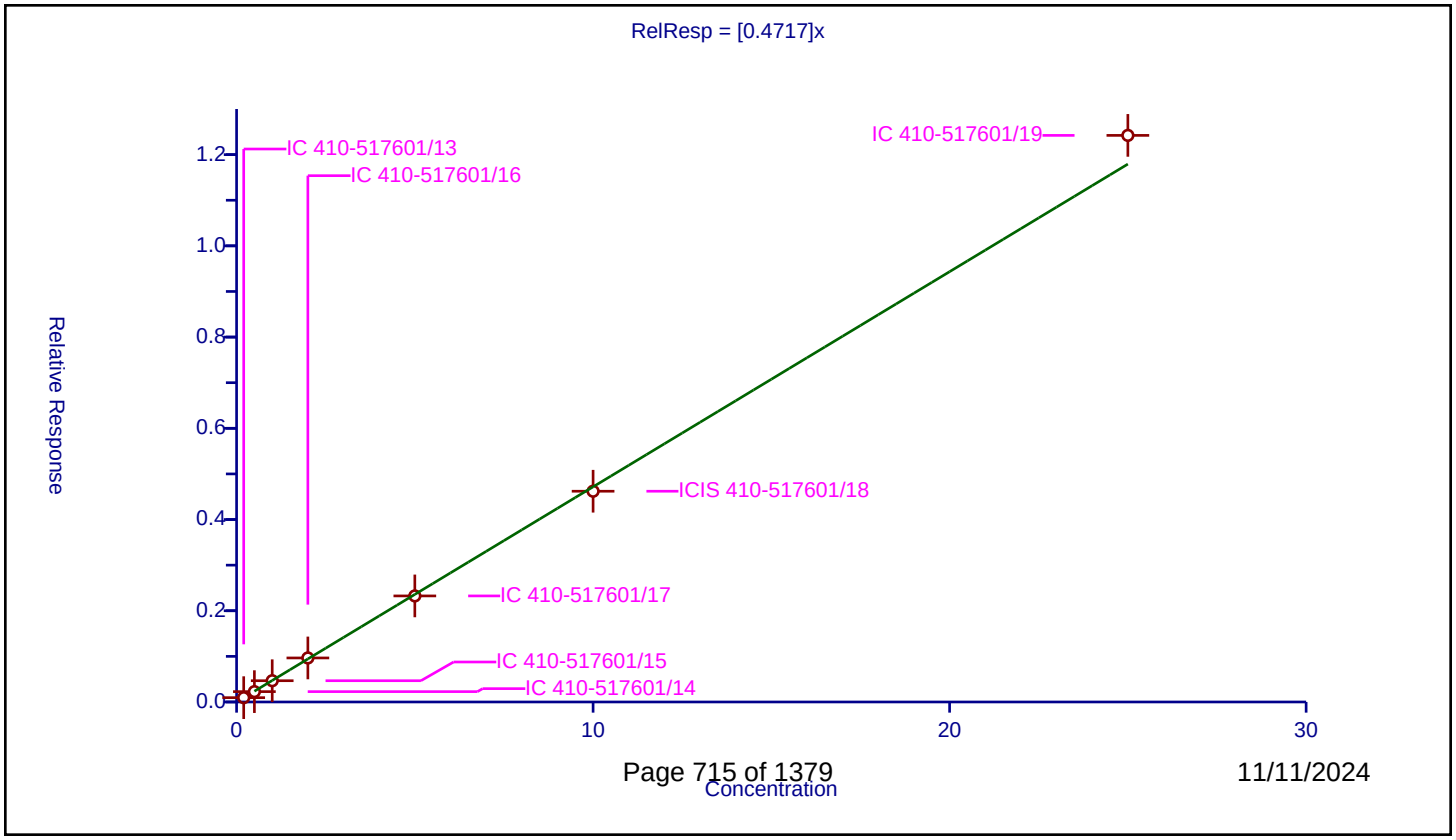
Curve Coefficients

Intercept:	0
Slope:	0.4717

Error Coefficients

Relative Standard Deviation:	3.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.094874	10.0	1782883.0	0.474372	Y
2	IC 410-517601/14	0.5	0.227392	10.0	1784584.0	0.454784	Y
3	IC 410-517601/15	1.0	0.466085	10.0	1748651.0	0.466085	Y
4	IC 410-517601/16	2.0	0.965242	10.0	1740765.0	0.482621	Y
5	IC 410-517601/17	5.0	2.325624	10.0	1774642.0	0.465125	Y
6	ICIS 410-517601/18	10.0	4.62067	10.0	1791303.0	0.462067	Y
7	IC 410-517601/19	25.0	12.421596	10.0	1739935.0	0.496864	Y



Calibration / 1,3-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

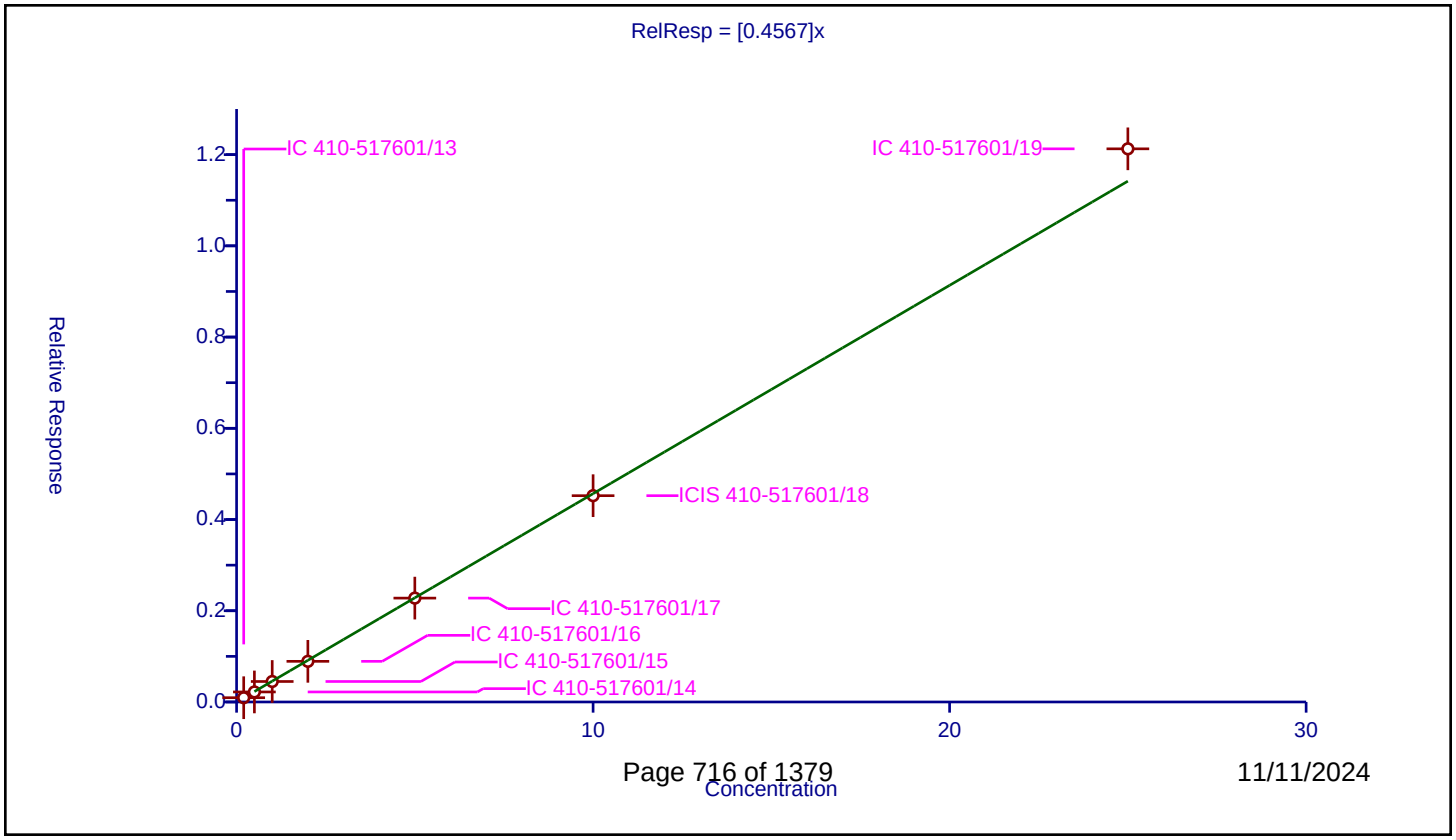
Curve Coefficients

Intercept:	0
Slope:	0.4567

Error Coefficients

Relative Standard Deviation:	3.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.093809	10.0	1782883.0	0.469044	Y
2	IC 410-517601/14	0.5	0.22032	10.0	1784584.0	0.440641	Y
3	IC 410-517601/15	1.0	0.449038	10.0	1748651.0	0.449038	Y
4	IC 410-517601/16	2.0	0.891091	10.0	1740765.0	0.445545	Y
5	IC 410-517601/17	5.0	2.277366	10.0	1774642.0	0.455473	Y
6	ICIS 410-517601/18	10.0	4.52292	10.0	1791303.0	0.452292	Y
7	IC 410-517601/19	25.0	12.127384	10.0	1739935.0	0.485095	Y



Calibration / 2-Hexanone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

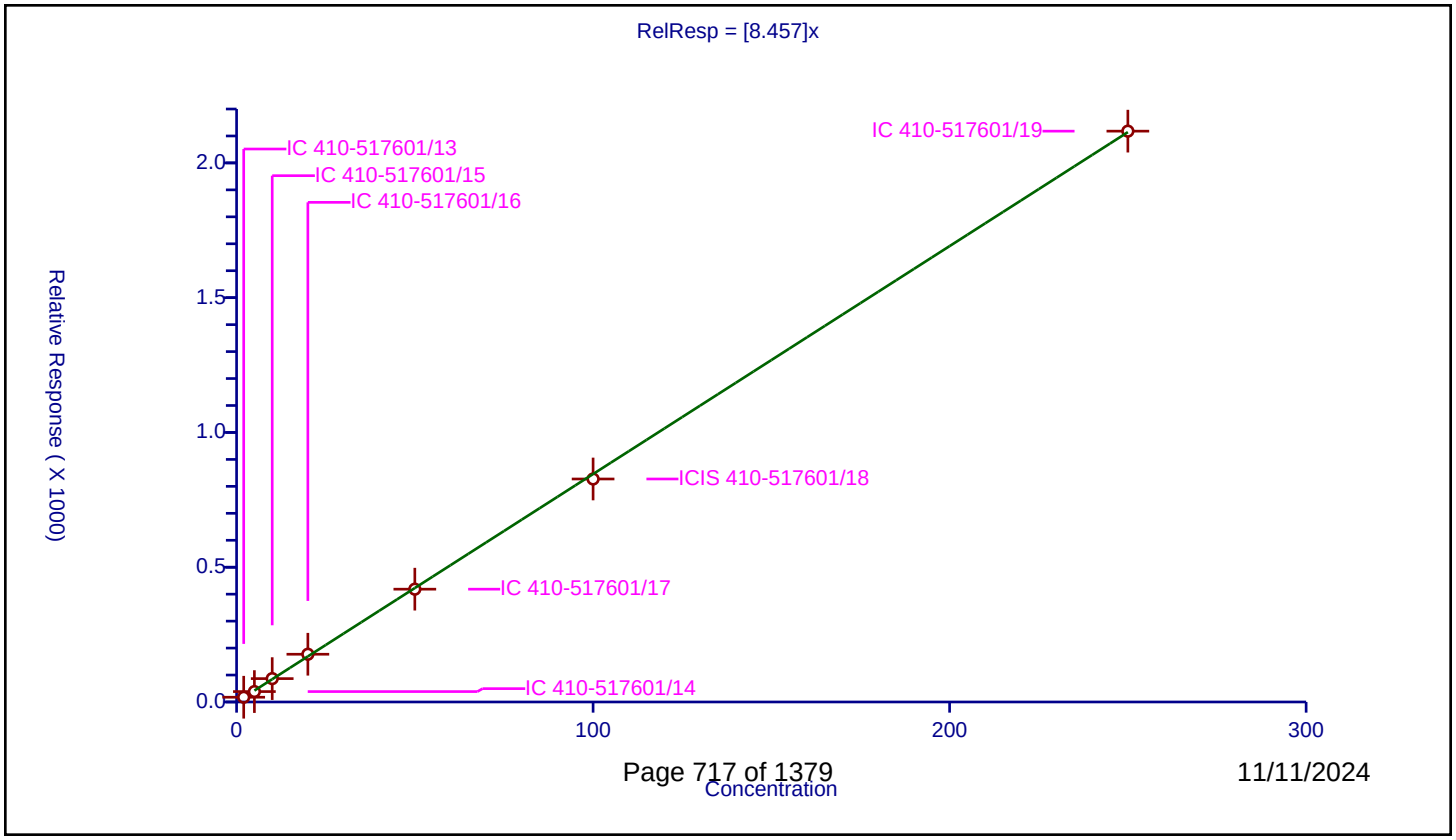
Curve Coefficients

Intercept:	0
Slope:	8.457

Error Coefficients

Relative Standard Deviation:	4.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	2.0	17.644925	50.0	173659.0	8.822462	Y
2	IC 410-517601/14	5.0	38.622878	50.0	188422.0	7.724576	Y
3	IC 410-517601/15	10.0	86.74566	50.0	167862.0	8.674566	Y
4	IC 410-517601/16	20.0	177.190206	50.0	164311.0	8.85951	Y
5	IC 410-517601/17	50.0	418.553767	50.0	180780.0	8.371075	Y
6	ICIS 410-517601/18	100.0	827.36766	50.0	188699.0	8.273677	Y
7	IC 410-517601/19	250.0	2117.910884	50.0	188137.0	8.471644	Y



Calibration / Chlorodibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

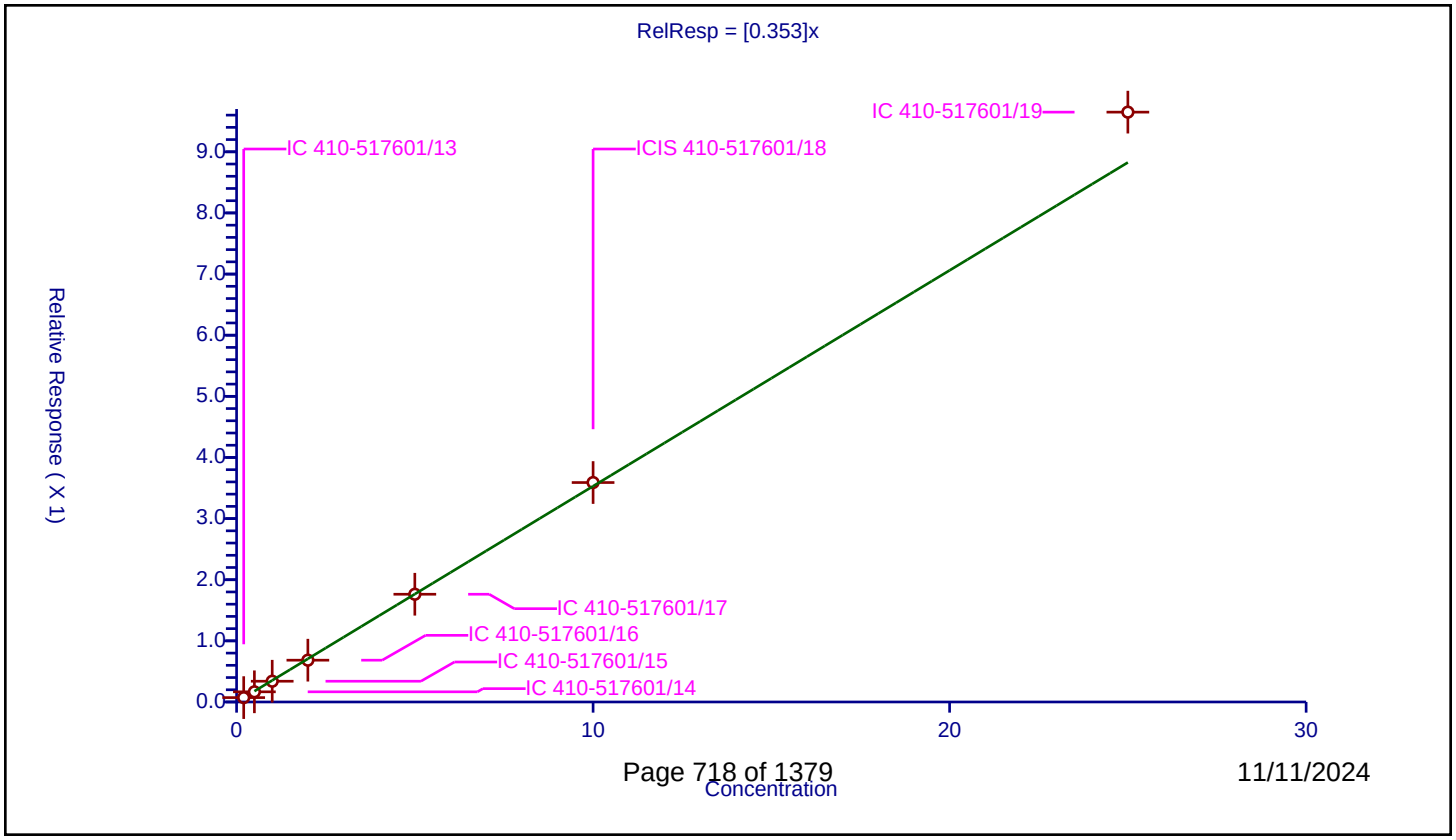
Curve Coefficients

Intercept:	0
Slope:	0.353

Error Coefficients

Relative Standard Deviation:	5.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.07176	10.0	1782883.0	0.358801	Y
2	IC 410-517601/14	0.5	0.166633	10.0	1784584.0	0.333265	Y
3	IC 410-517601/15	1.0	0.339793	10.0	1748651.0	0.339793	Y
4	IC 410-517601/16	2.0	0.683809	10.0	1740765.0	0.341904	Y
5	IC 410-517601/17	5.0	1.762451	10.0	1774642.0	0.35249	Y
6	ICIS 410-517601/18	10.0	3.590068	10.0	1791303.0	0.359007	Y
7	IC 410-517601/19	25.0	9.648832	10.0	1739935.0	0.385953	Y



Calibration / Ethylene Dibromide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

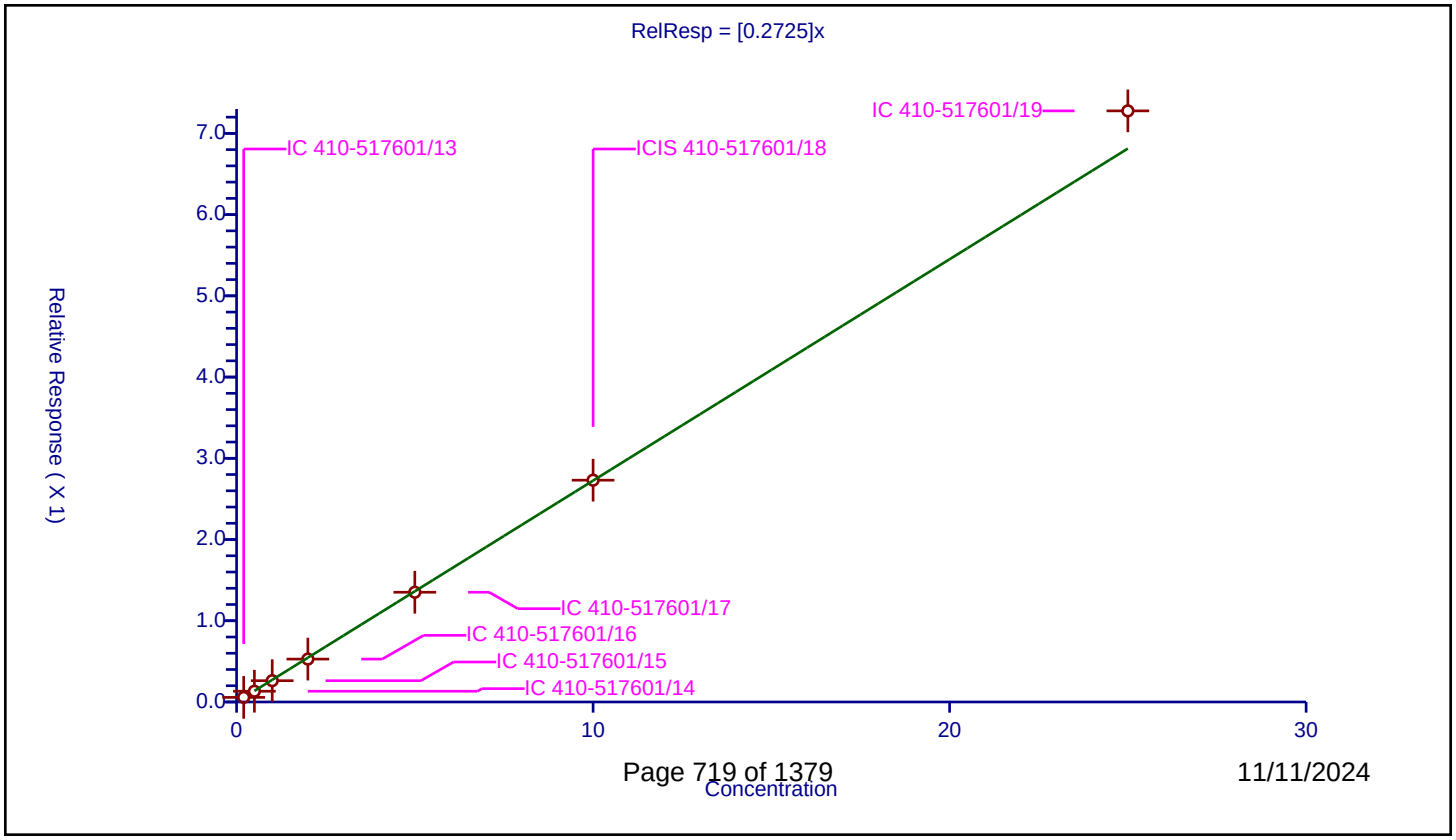
Curve Coefficients

Intercept:	0
Slope:	0.2725

Error Coefficients

Relative Standard Deviation:	3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.05647	10.0	1782883.0	0.282352	Y
2	IC 410-517601/14	0.5	0.132406	10.0	1784584.0	0.264812	Y
3	IC 410-517601/15	1.0	0.262128	10.0	1748651.0	0.262128	Y
4	IC 410-517601/16	2.0	0.528078	10.0	1740765.0	0.264039	Y
5	IC 410-517601/17	5.0	1.351033	10.0	1774642.0	0.270207	Y
6	ICIS 410-517601/18	10.0	2.730526	10.0	1791303.0	0.273053	Y
7	IC 410-517601/19	25.0	7.277036	10.0	1739935.0	0.291081	Y



Calibration / 1-Chlorohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

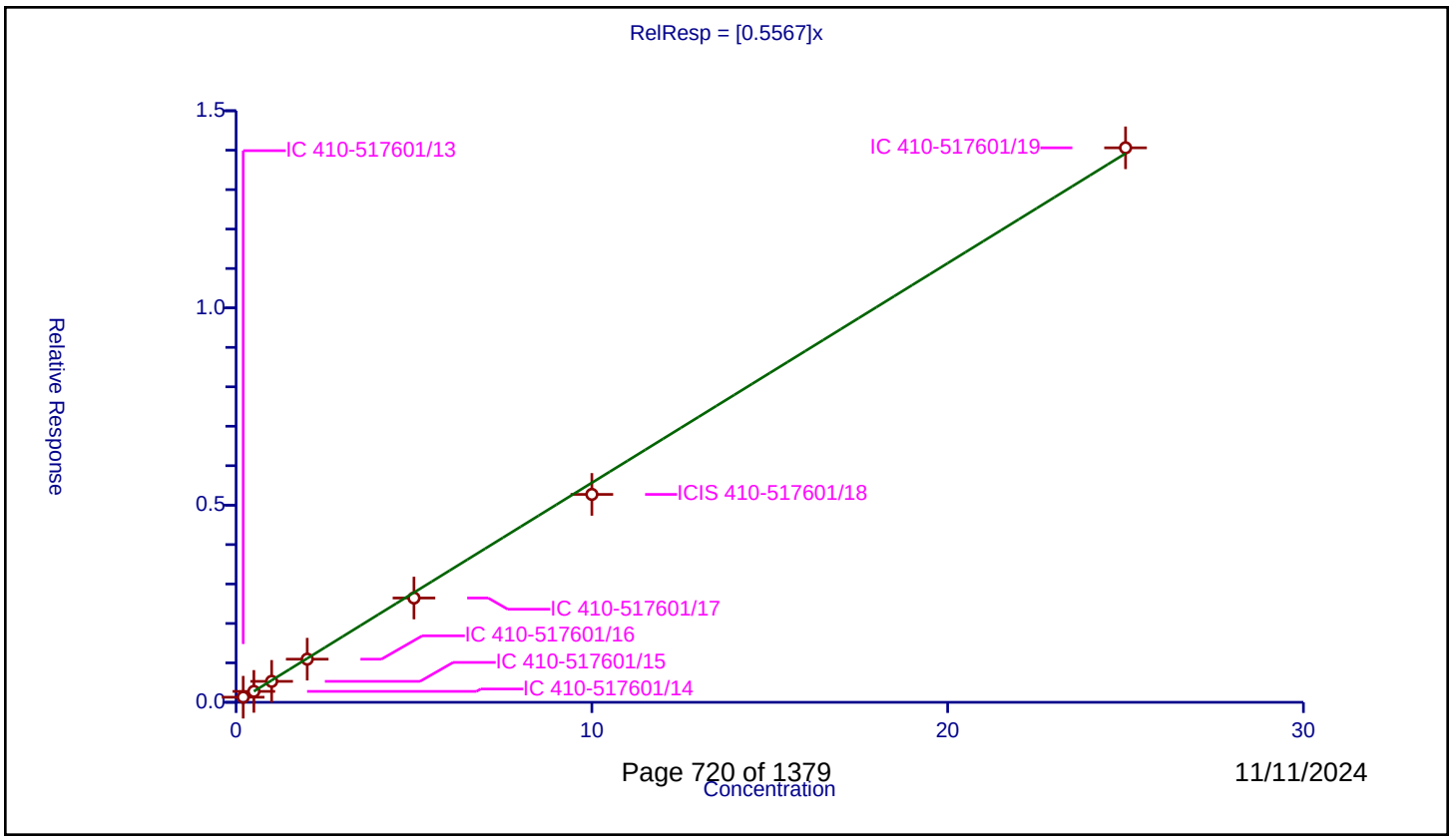
Curve Coefficients

Intercept:	0
Slope:	0.5567

Error Coefficients

Relative Standard Deviation:	7.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.12933	10.0	1782883.0	0.646649	Y
2	IC 410-517601/14	0.5	0.276692	10.0	1784584.0	0.553384	Y
3	IC 410-517601/15	1.0	0.531347	10.0	1748651.0	0.531347	Y
4	IC 410-517601/16	2.0	1.093852	10.0	1740765.0	0.546926	Y
5	IC 410-517601/17	5.0	2.644731	10.0	1774642.0	0.528946	Y
6	ICIS 410-517601/18	10.0	5.272402	10.0	1791303.0	0.52724	Y
7	IC 410-517601/19	25.0	14.060163	10.0	1739935.0	0.562407	Y



Calibration / Chlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

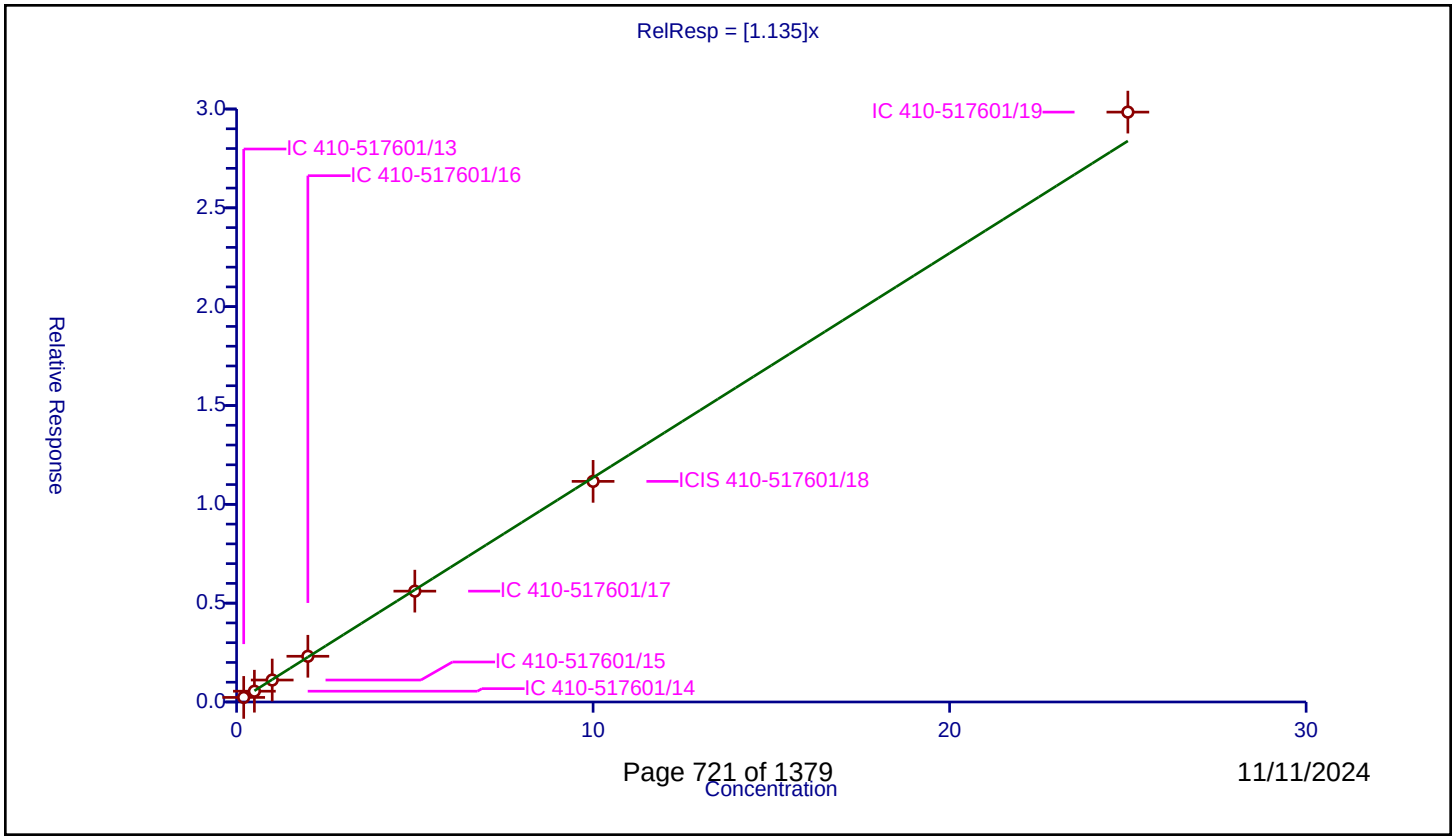
Curve Coefficients

Intercept:	0
Slope:	1.135

Error Coefficients

Relative Standard Deviation:	3.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.231412	10.0	1782883.0	1.157059	Y
2	IC 410-517601/14	0.5	0.545746	10.0	1784584.0	1.091492	Y
3	IC 410-517601/15	1.0	1.110668	10.0	1748651.0	1.110668	Y
4	IC 410-517601/16	2.0	2.313351	10.0	1740765.0	1.156675	Y
5	IC 410-517601/17	5.0	5.6077	10.0	1774642.0	1.12154	Y
6	ICIS 410-517601/18	10.0	11.161719	10.0	1791303.0	1.116172	Y
7	IC 410-517601/19	25.0	29.843816	10.0	1739935.0	1.193753	Y



Calibration / 1,1,1,2-Tetrachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

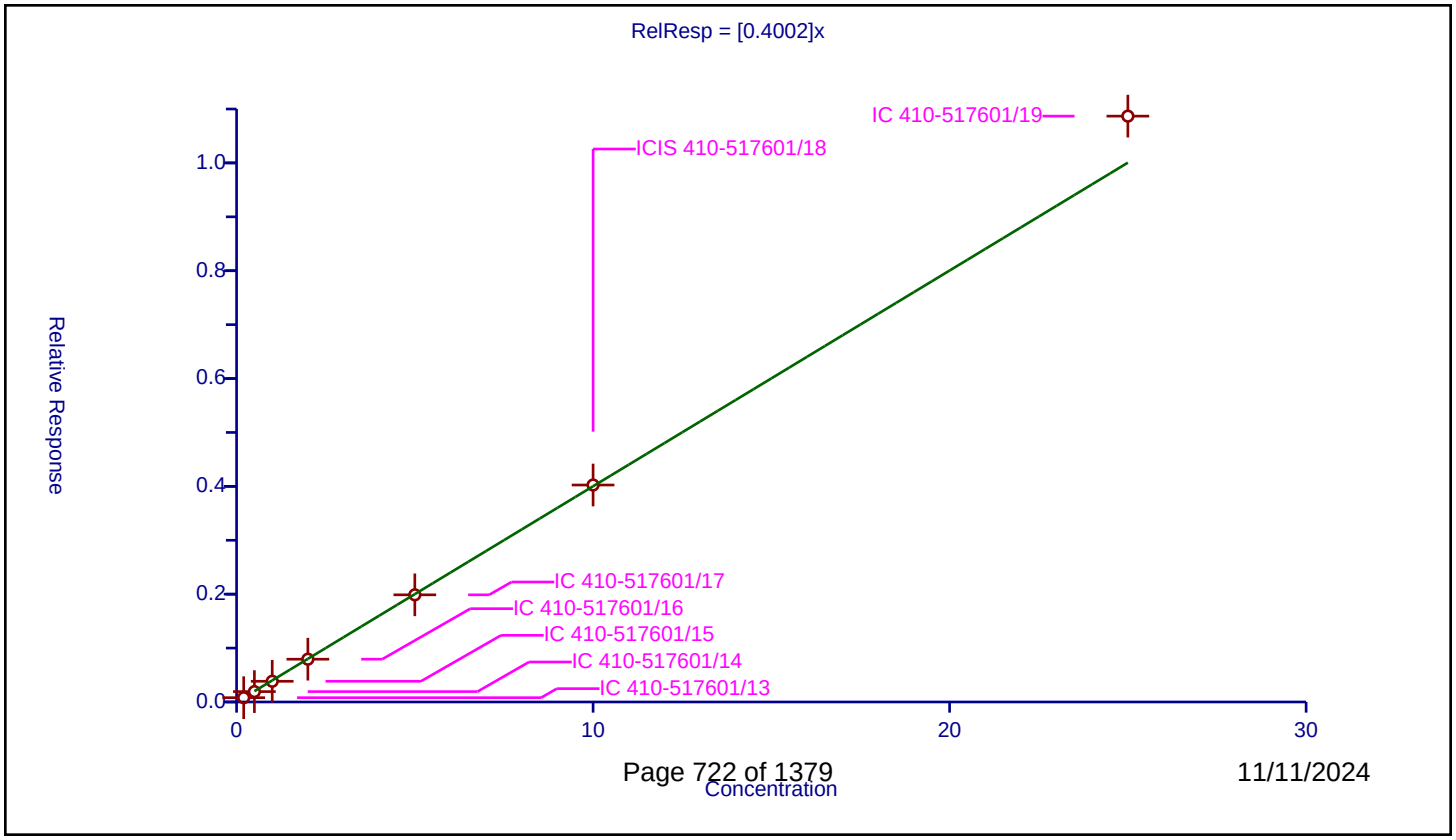
Curve Coefficients

Intercept:	0
Slope:	0.4002

Error Coefficients

Relative Standard Deviation:	4.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.080011	10.0	1782883.0	0.400054	Y
2	IC 410-517601/14	0.5	0.192835	10.0	1784584.0	0.38567	Y
3	IC 410-517601/15	1.0	0.384022	10.0	1748651.0	0.384022	Y
4	IC 410-517601/16	2.0	0.793519	10.0	1740765.0	0.396759	Y
5	IC 410-517601/17	5.0	1.987843	10.0	1774642.0	0.397569	Y
6	ICIS 410-517601/18	10.0	4.024757	10.0	1791303.0	0.402476	Y
7	IC 410-517601/19	25.0	10.867757	10.0	1739935.0	0.43471	Y



Calibration / Ethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

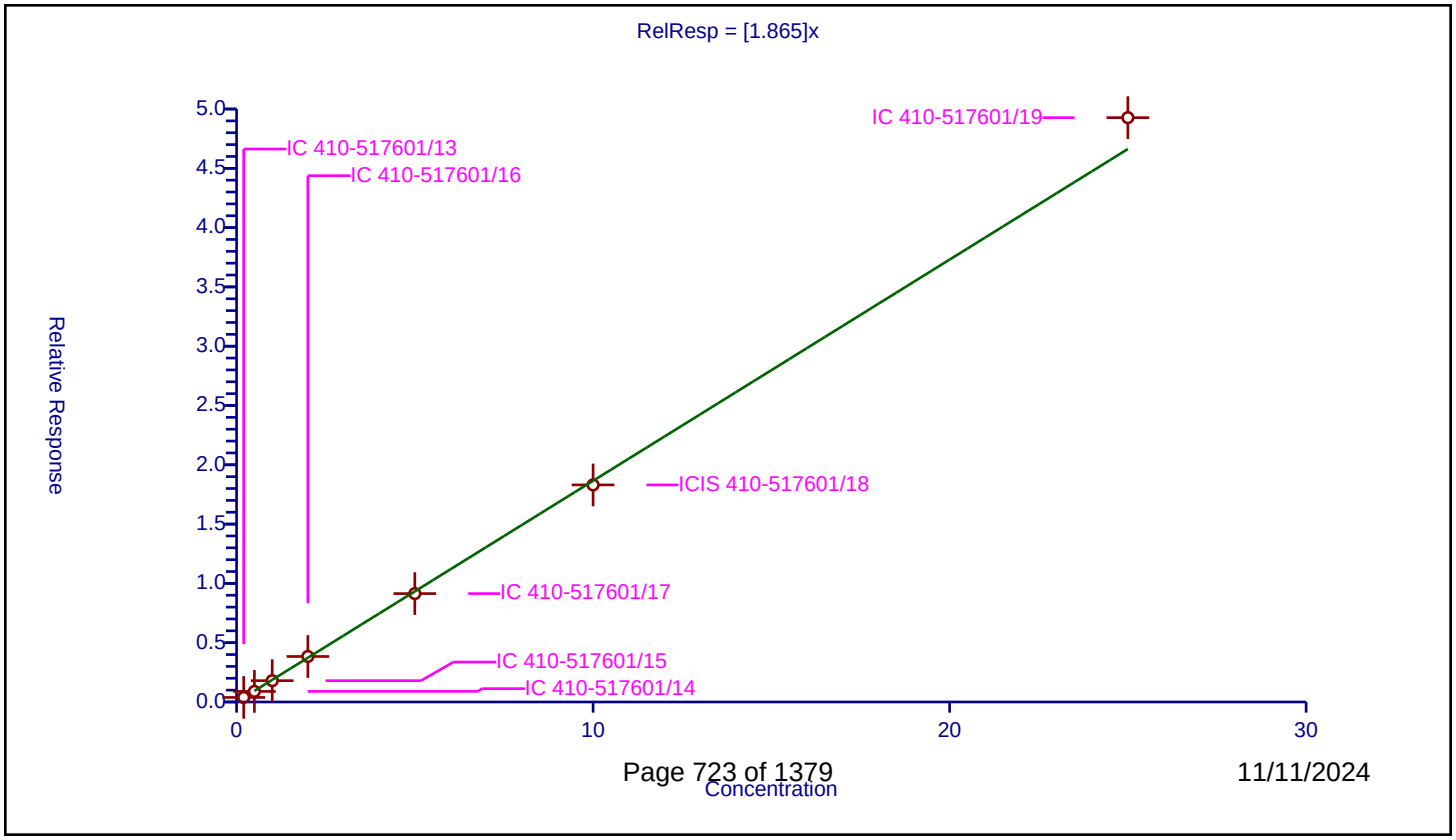
Curve Coefficients

Intercept:	0
Slope:	1.865

Error Coefficients

Relative Standard Deviation:	3.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.384478	10.0	1782883.0	1.922392	Y
2	IC 410-517601/14	0.5	0.893839	10.0	1784584.0	1.787677	Y
3	IC 410-517601/15	1.0	1.797105	10.0	1748651.0	1.797105	Y
4	IC 410-517601/16	2.0	3.838123	10.0	1740765.0	1.919061	Y
5	IC 410-517601/17	5.0	9.1399	10.0	1774642.0	1.82798	Y
6	ICIS 410-517601/18	10.0	18.304474	10.0	1791303.0	1.830447	Y
7	IC 410-517601/19	25.0	49.271611	10.0	1739935.0	1.970864	Y



Calibration / m-Xylene & p-Xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

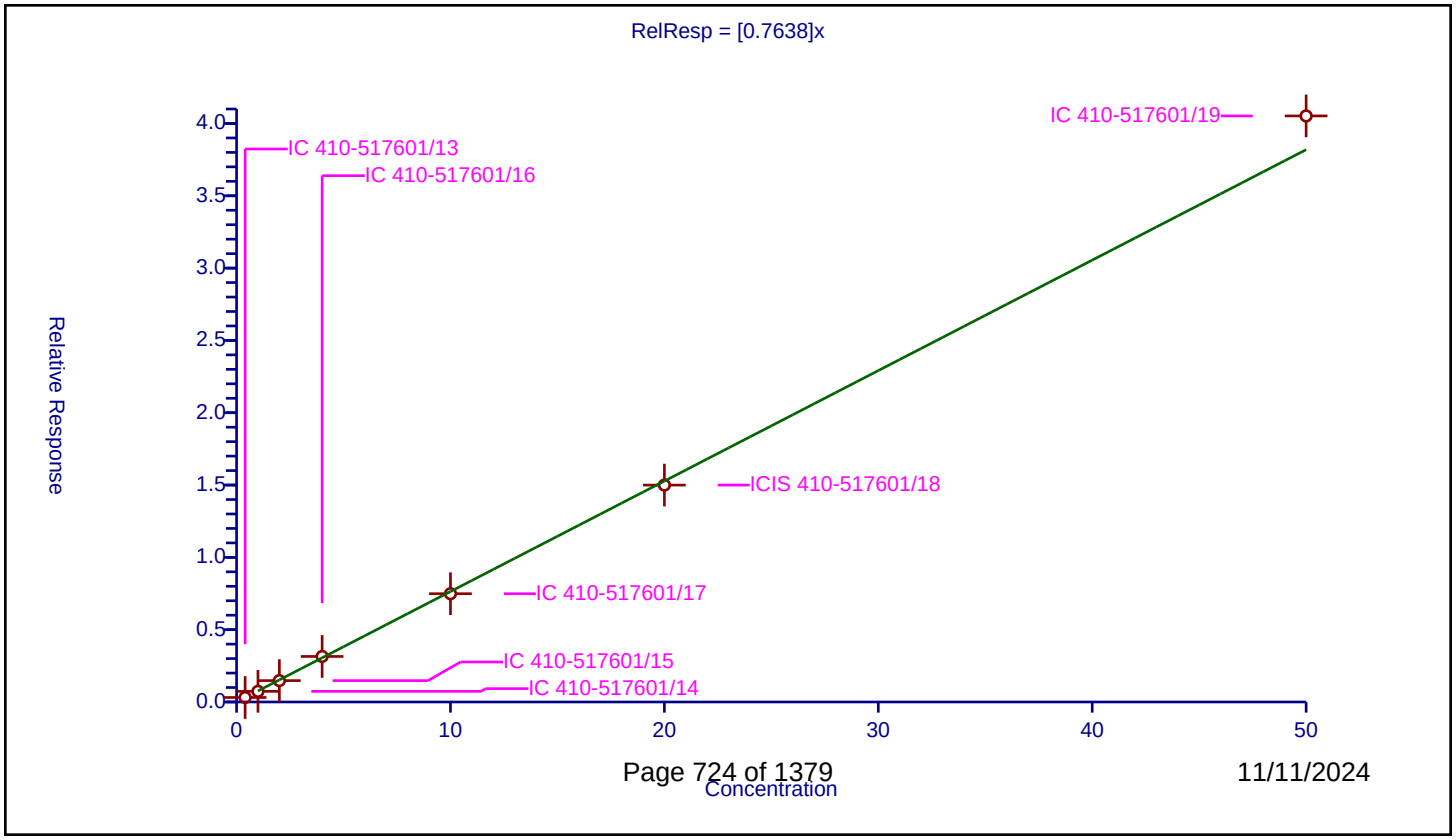
Curve Coefficients

Intercept:	0
Slope:	0.7638

Error Coefficients

Relative Standard Deviation:	3.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.4	0.31034	10.0	1782883.0	0.77585	Y
2	IC 410-517601/14	1.0	0.735987	10.0	1784584.0	0.735987	Y
3	IC 410-517601/15	2.0	1.477293	10.0	1748651.0	0.738647	Y
4	IC 410-517601/16	4.0	3.14761	10.0	1740765.0	0.786903	Y
5	IC 410-517601/17	10.0	7.486997	10.0	1774642.0	0.7487	Y
6	ICIS 410-517601/18	20.0	14.996709	10.0	1791303.0	0.749835	Y
7	IC 410-517601/19	50.0	40.521519	10.0	1739935.0	0.81043	Y



Calibration / o-Xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

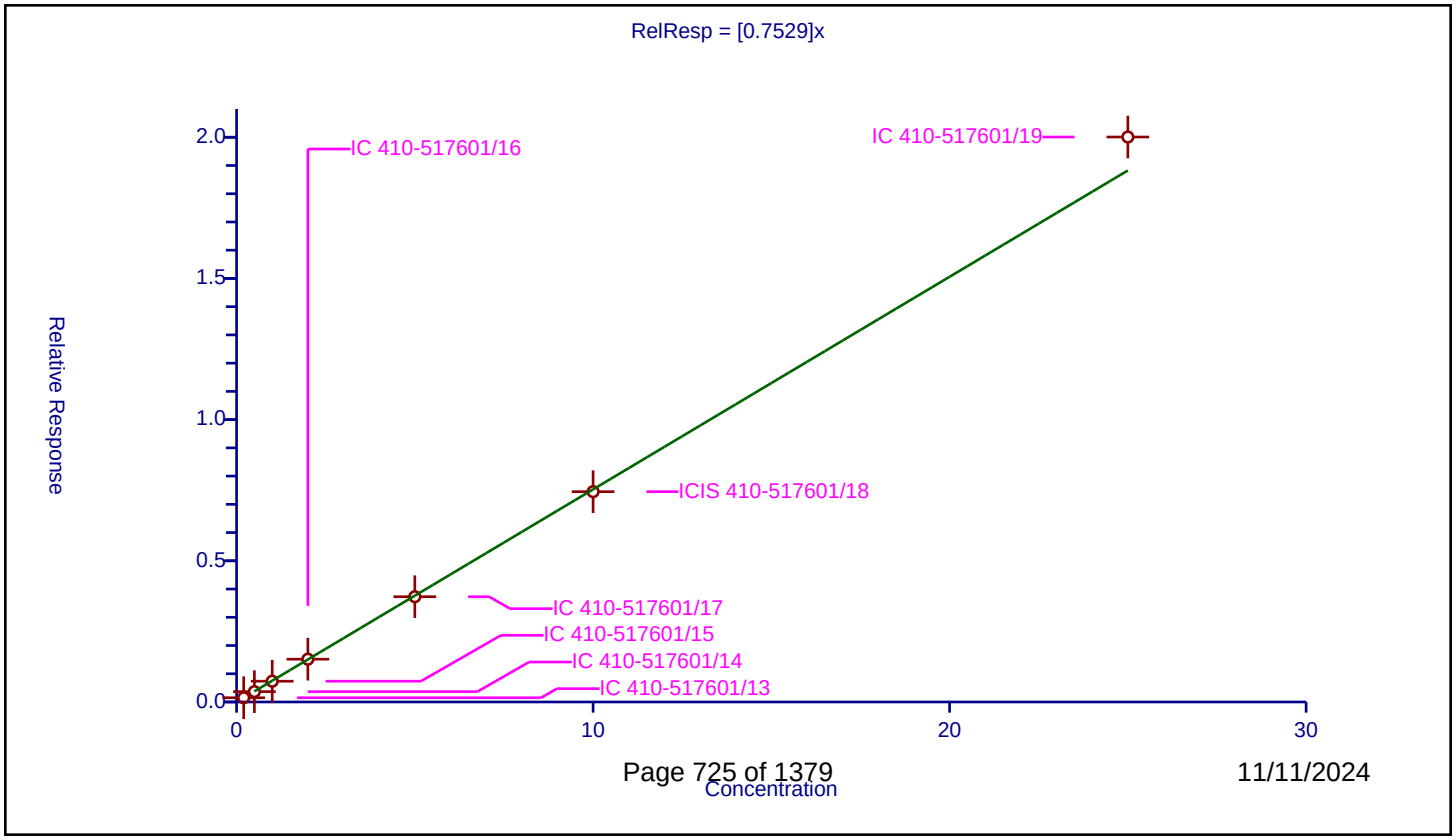
Curve Coefficients

Intercept:	0
Slope:	0.7529

Error Coefficients

Relative Standard Deviation:	3.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.150296	10.0	1782883.0	0.751479	Y
2	IC 410-517601/14	0.5	0.367307	10.0	1784584.0	0.734614	Y
3	IC 410-517601/15	1.0	0.735927	10.0	1748651.0	0.735927	Y
4	IC 410-517601/16	2.0	1.515598	10.0	1740765.0	0.757799	Y
5	IC 410-517601/17	5.0	3.728177	10.0	1774642.0	0.745635	Y
6	ICIS 410-517601/18	10.0	7.447601	10.0	1791303.0	0.74476	Y
7	IC 410-517601/19	25.0	20.008109	10.0	1739935.0	0.800324	Y



Calibration / Styrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

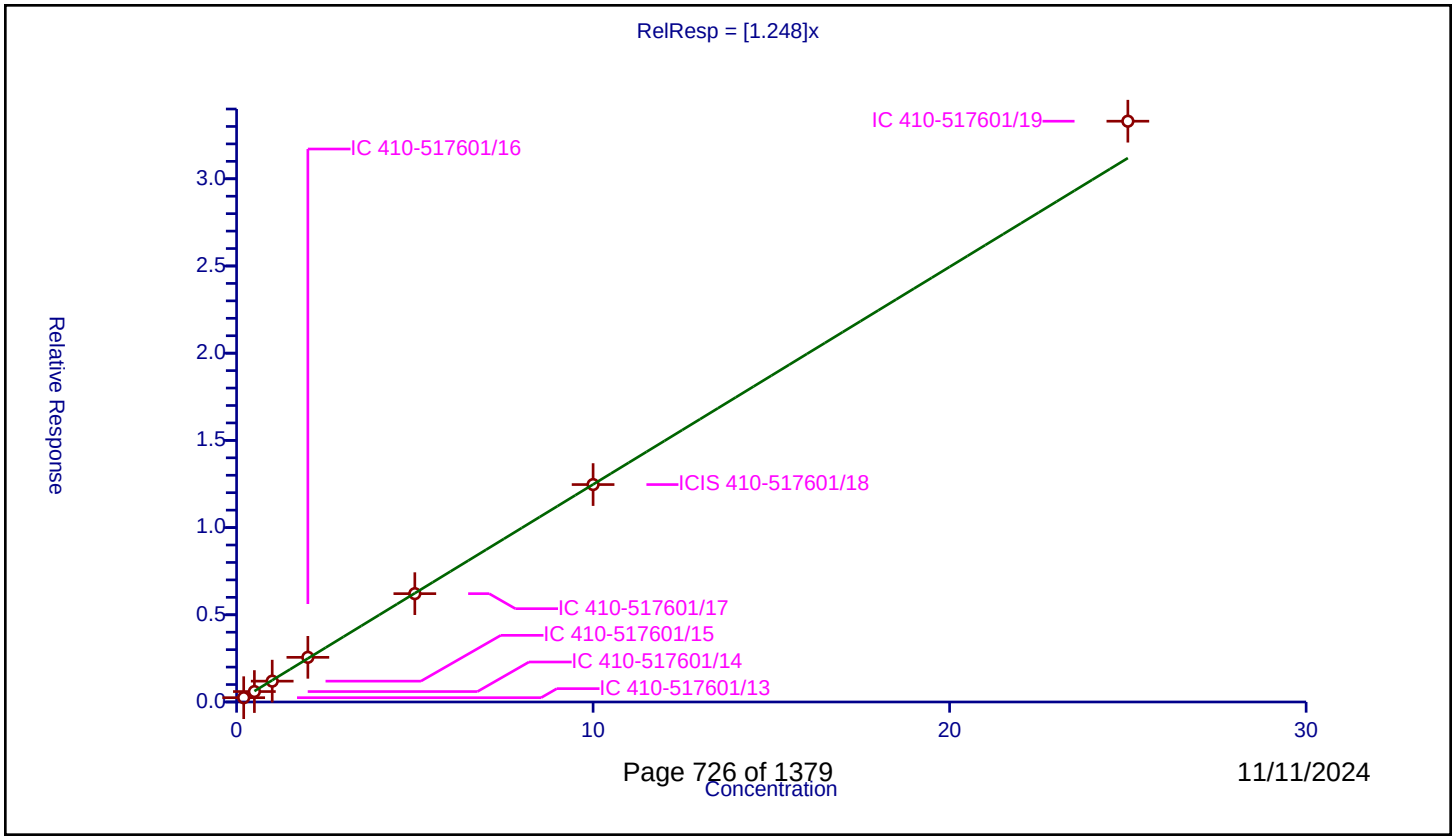
Curve Coefficients

Intercept:	0
Slope:	1.248

Error Coefficients

Relative Standard Deviation:	3.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.247638	10.0	1782883.0	1.238191	Y
2	IC 410-517601/14	0.5	0.599103	10.0	1784584.0	1.198206	Y
3	IC 410-517601/15	1.0	1.194898	10.0	1748651.0	1.194898	Y
4	IC 410-517601/16	2.0	2.560282	10.0	1740765.0	1.280141	Y
5	IC 410-517601/17	5.0	6.212363	10.0	1774642.0	1.242473	Y
6	ICIS 410-517601/18	10.0	12.466813	10.0	1791303.0	1.246681	Y
7	IC 410-517601/19	25.0	33.30133	10.0	1739935.0	1.332053	Y



Calibration / Bromoform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

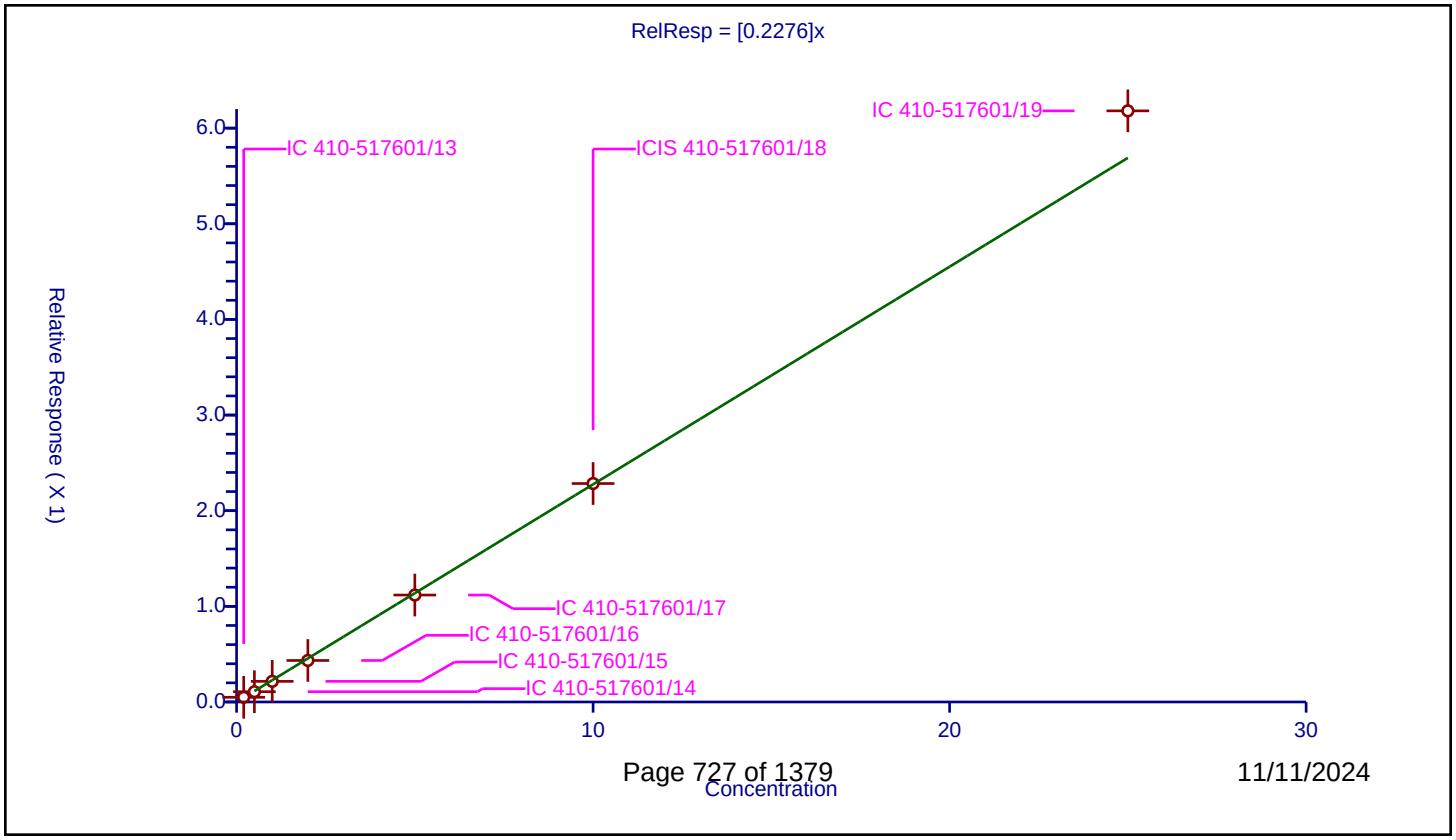
Curve Coefficients

Intercept:	0
Slope:	0.2276

Error Coefficients

Relative Standard Deviation:	6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.049179	10.0	1782883.0	0.245894	Y
2	IC 410-517601/14	0.5	0.107582	10.0	1784584.0	0.215165	Y
3	IC 410-517601/15	1.0	0.215589	10.0	1748651.0	0.215589	Y
4	IC 410-517601/16	2.0	0.434062	10.0	1740765.0	0.217031	Y
5	IC 410-517601/17	5.0	1.118276	10.0	1774642.0	0.223655	Y
6	ICIS 410-517601/18	10.0	2.284281	10.0	1791303.0	0.228428	Y
7	IC 410-517601/19	25.0	6.18065	10.0	1739935.0	0.247226	Y



Calibration / Isopropylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

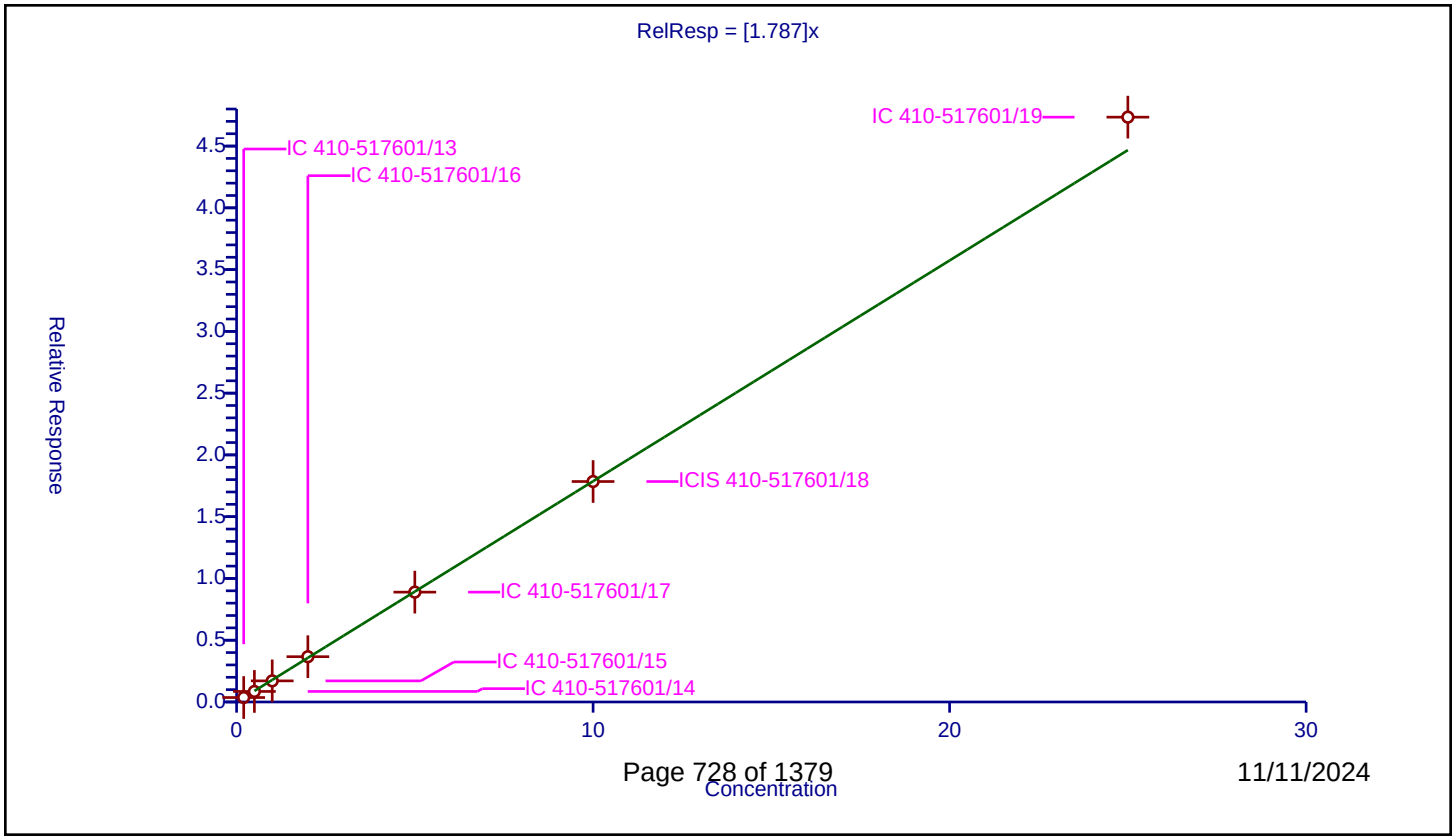
Curve Coefficients

Intercept:	0
Slope:	1.787

Error Coefficients

Relative Standard Deviation:	3.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.360629	10.0	1782883.0	1.803147	Y
2	IC 410-517601/14	0.5	0.853622	10.0	1784584.0	1.707244	Y
3	IC 410-517601/15	1.0	1.708397	10.0	1748651.0	1.708397	Y
4	IC 410-517601/16	2.0	3.66586	10.0	1740765.0	1.83293	Y
5	IC 410-517601/17	5.0	8.893382	10.0	1774642.0	1.778676	Y
6	ICIS 410-517601/18	10.0	17.846702	10.0	1791303.0	1.78467	Y
7	IC 410-517601/19	25.0	47.342533	10.0	1739935.0	1.893701	Y



Calibration / 4-Bromofluorobenzene (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

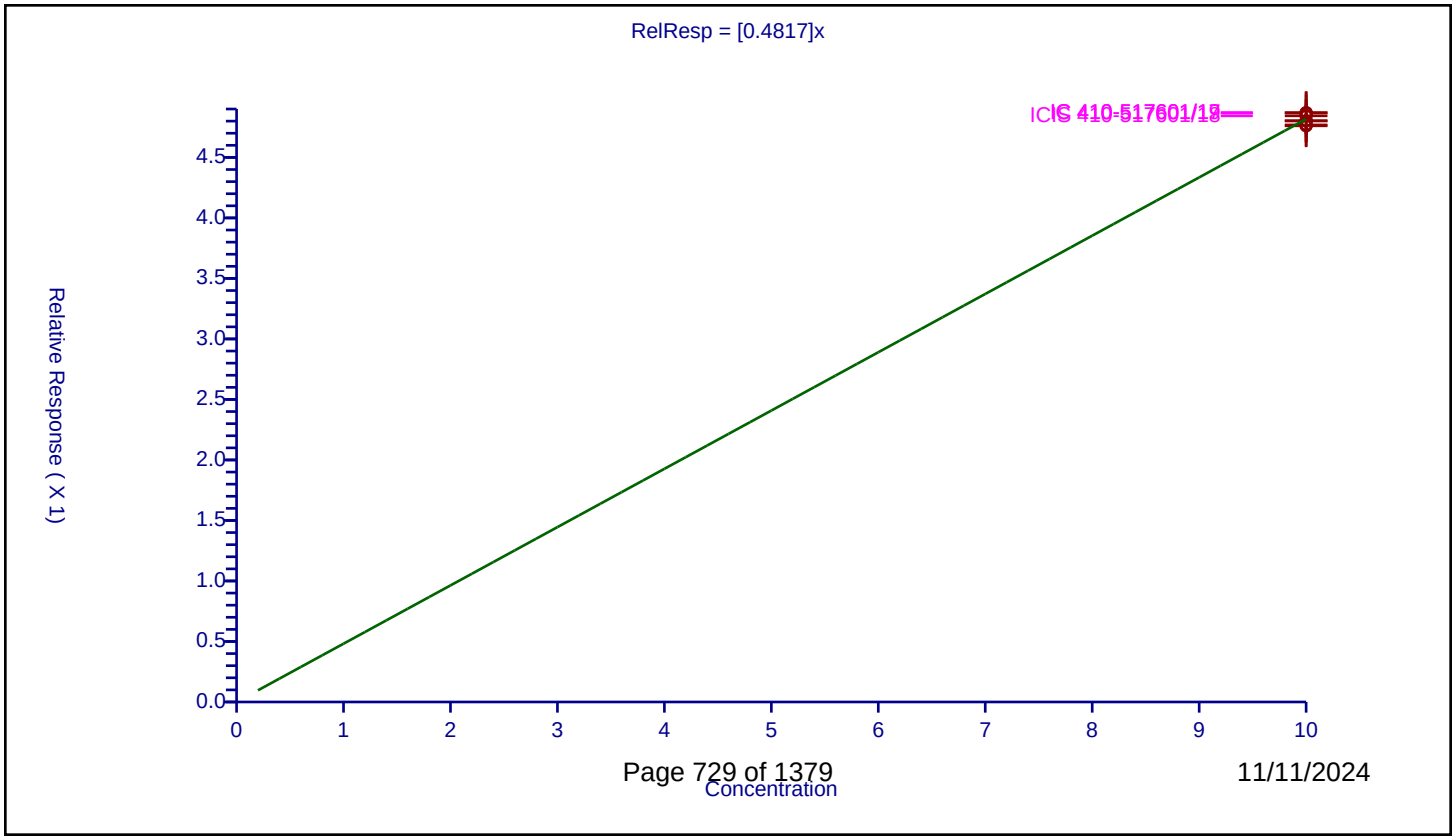
Curve Coefficients

Intercept:	0
Slope:	0.4817

Error Coefficients

Relative Standard Deviation:	0.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	10.0	4.768378	10.0	1782883.0	0.476838	Y
2	IC 410-517601/14	10.0	4.761104	10.0	1784584.0	0.47611	Y
3	IC 410-517601/15	10.0	4.802576	10.0	1748651.0	0.480258	Y
4	IC 410-517601/16	10.0	4.802021	10.0	1740765.0	0.480202	Y
5	IC 410-517601/17	10.0	4.868435	10.0	1774642.0	0.486844	Y
6	ICIS 410-517601/18	10.0	4.84391	10.0	1791303.0	0.484391	Y
7	IC 410-517601/19	10.0	4.869303	10.0	1739935.0	0.48693	Y



Calibration / 1,1,2,2-Tetrachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

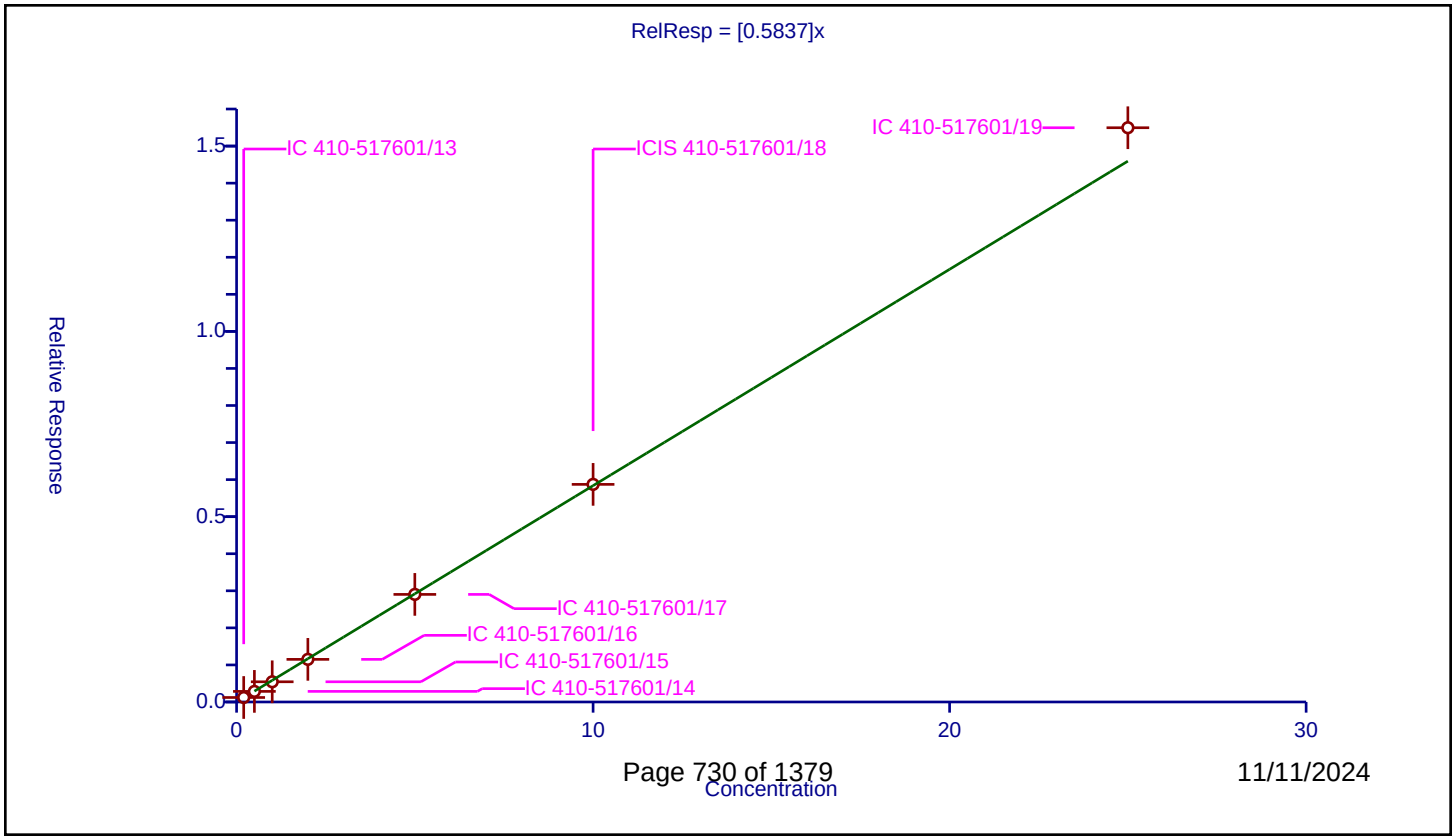
Curve Coefficients

Intercept:	0
Slope:	0.5837

Error Coefficients

Relative Standard Deviation:	4.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.121368	10.0	1015421.0	0.606842	Y
2	IC 410-517601/14	0.5	0.285807	10.0	1026393.0	0.571613	Y
3	IC 410-517601/15	1.0	0.545062	10.0	1014032.0	0.545062	Y
4	IC 410-517601/16	2.0	1.150089	10.0	1002844.0	0.575045	Y
5	IC 410-517601/17	5.0	2.903148	10.0	1046571.0	0.58063	Y
6	ICIS 410-517601/18	10.0	5.871962	10.0	1059823.0	0.587196	Y
7	IC 410-517601/19	25.0	15.495057	10.0	1044446.0	0.619802	Y



Calibration / Bromobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

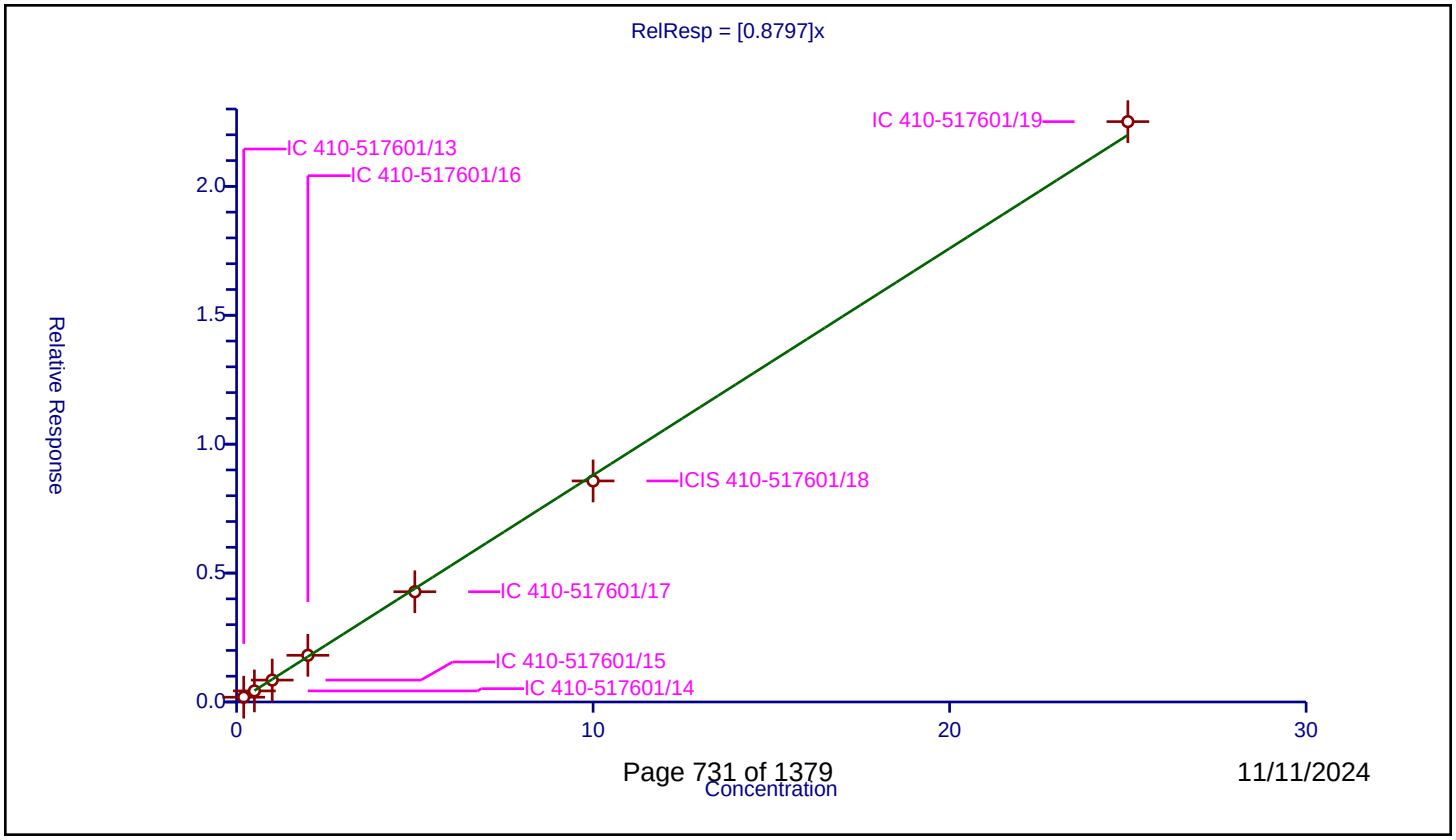
Curve Coefficients

Intercept:	0
Slope:	0.8797

Error Coefficients

Relative Standard Deviation:	3.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.185913	10.0	1015421.0	0.929565	Y
2	IC 410-517601/14	0.5	0.430245	10.0	1026393.0	0.860489	Y
3	IC 410-517601/15	1.0	0.849214	10.0	1014032.0	0.849214	Y
4	IC 410-517601/16	2.0	1.81082	10.0	1002844.0	0.90541	Y
5	IC 410-517601/17	5.0	4.276117	10.0	1046571.0	0.855223	Y
6	ICIS 410-517601/18	10.0	8.574536	10.0	1059823.0	0.857454	Y
7	IC 410-517601/19	25.0	22.510326	10.0	1044446.0	0.900413	Y



Calibration / trans-1,4-Dichloro-2-butene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

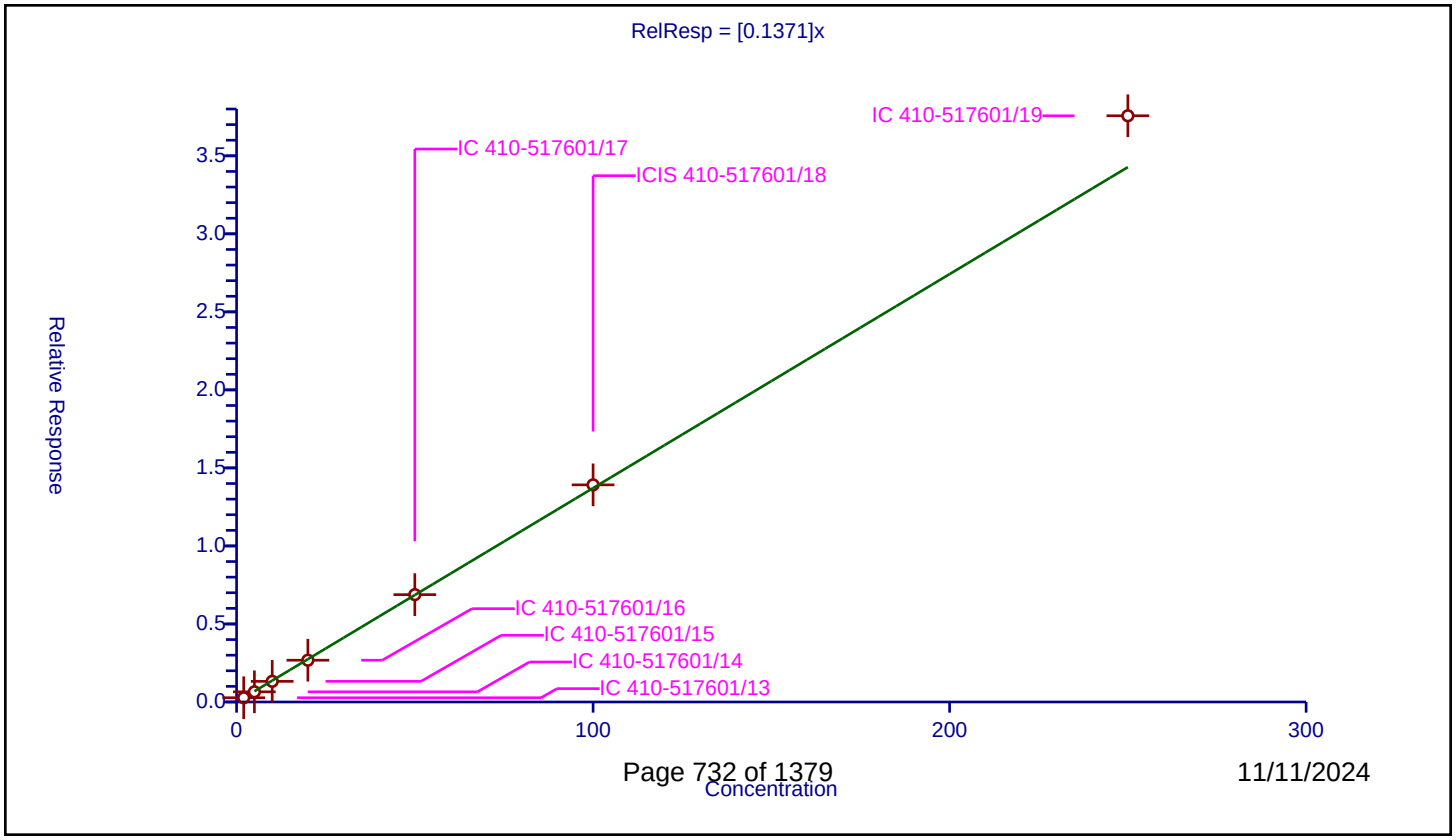
Curve Coefficients

Intercept:	0
Slope:	0.1371

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	2.0	0.272419	10.0	1015421.0	0.13621	Y
2	IC 410-517601/14	5.0	0.652294	10.0	1026393.0	0.130459	Y
3	IC 410-517601/15	10.0	1.321724	10.0	1014032.0	0.132172	Y
4	IC 410-517601/16	20.0	2.676777	10.0	1002844.0	0.133839	Y
5	IC 410-517601/17	50.0	6.879122	10.0	1046571.0	0.137582	Y
6	ICIS 410-517601/18	100.0	13.915456	10.0	1059823.0	0.139155	Y
7	IC 410-517601/19	250.0	37.567103	10.0	1044446.0	0.150268	Y



Calibration / 1,2,3-Trichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

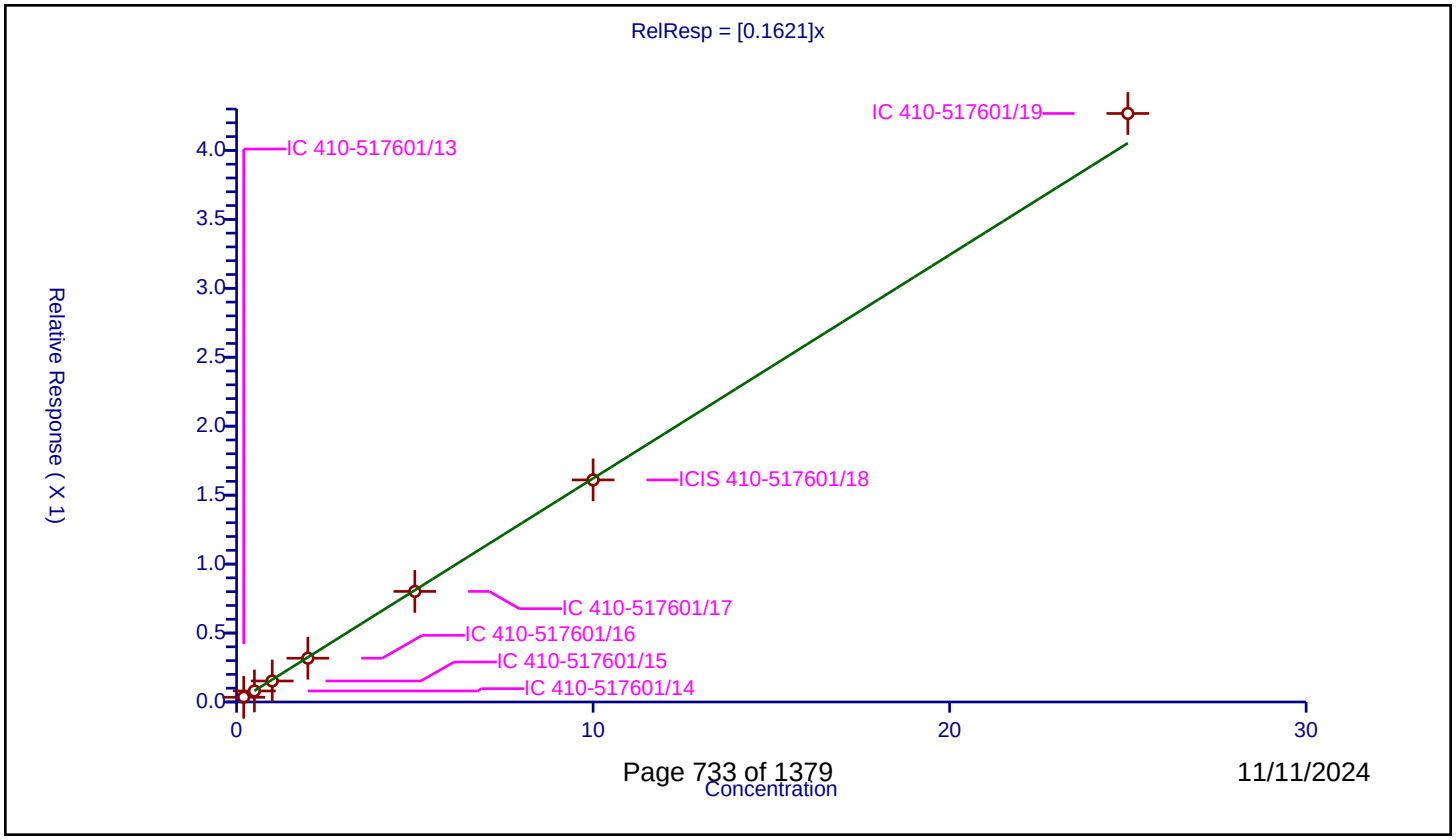
Curve Coefficients

Intercept:	0
Slope:	0.1621

Error Coefficients

Relative Standard Deviation:	4.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.03438	10.0	1015421.0	0.171899	Y
2	IC 410-517601/14	0.5	0.079891	10.0	1026393.0	0.159783	Y
3	IC 410-517601/15	1.0	0.152254	10.0	1014032.0	0.152254	Y
4	IC 410-517601/16	2.0	0.317417	10.0	1002844.0	0.158709	Y
5	IC 410-517601/17	5.0	0.801924	10.0	1046571.0	0.160385	Y
6	ICIS 410-517601/18	10.0	1.610392	10.0	1059823.0	0.161039	Y
7	IC 410-517601/19	25.0	4.267736	10.0	1044446.0	0.170709	Y



Calibration / N-Propylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

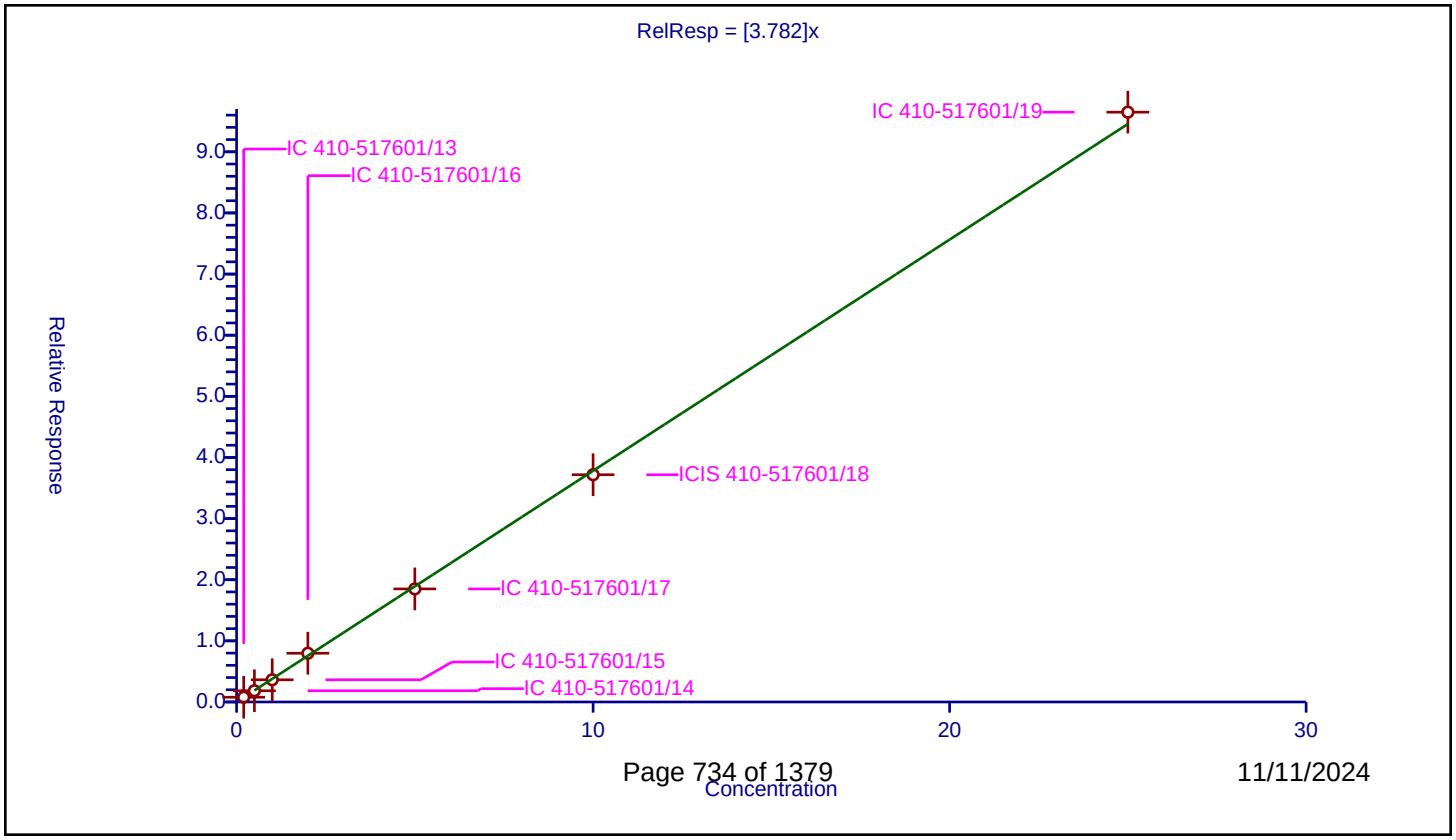
Curve Coefficients

Intercept:	0
Slope:	3.782

Error Coefficients

Relative Standard Deviation:	3.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.780356	10.0	1015421.0	3.901781	Y
2	IC 410-517601/14	0.5	1.838682	10.0	1026393.0	3.677363	Y
3	IC 410-517601/15	1.0	3.631868	10.0	1014032.0	3.631868	Y
4	IC 410-517601/16	2.0	7.97113	10.0	1002844.0	3.985565	Y
5	IC 410-517601/17	5.0	18.499844	10.0	1046571.0	3.699969	Y
6	ICIS 410-517601/18	10.0	37.176595	10.0	1059823.0	3.717659	Y
7	IC 410-517601/19	25.0	96.486673	10.0	1044446.0	3.859467	Y



Calibration / 2-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

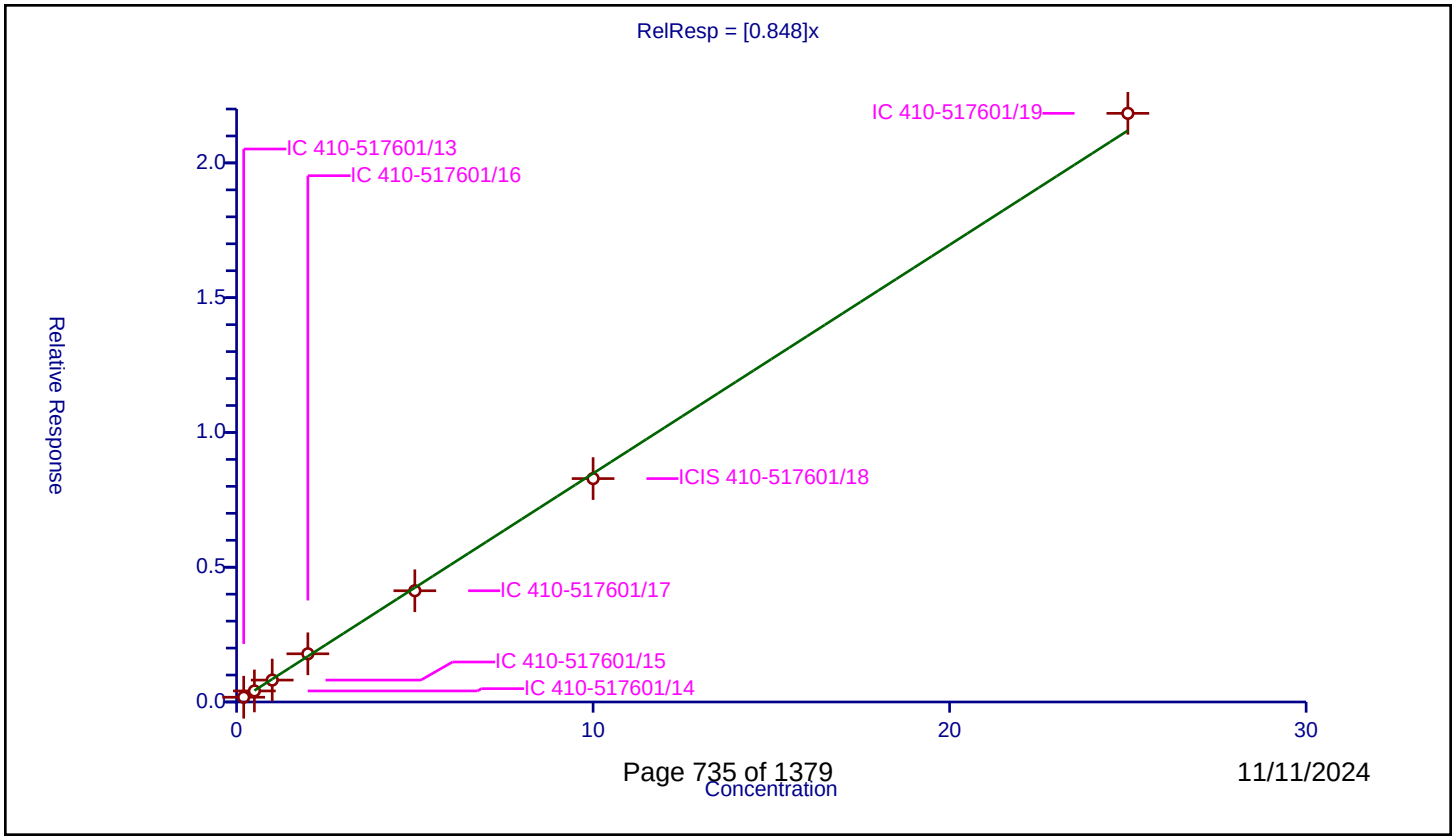
Curve Coefficients

Intercept:	0
Slope:	0.848

Error Coefficients

Relative Standard Deviation:	4.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.17636	10.0	1015421.0	0.881802	Y
2	IC 410-517601/14	0.5	0.410038	10.0	1026393.0	0.820076	Y
3	IC 410-517601/15	1.0	0.812351	10.0	1014032.0	0.812351	Y
4	IC 410-517601/16	2.0	1.788194	10.0	1002844.0	0.894097	Y
5	IC 410-517601/17	5.0	4.127183	10.0	1046571.0	0.825437	Y
6	ICIS 410-517601/18	10.0	8.288469	10.0	1059823.0	0.828847	Y
7	IC 410-517601/19	25.0	21.839463	10.0	1044446.0	0.873579	Y



Calibration / 1,3,5-Trimethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

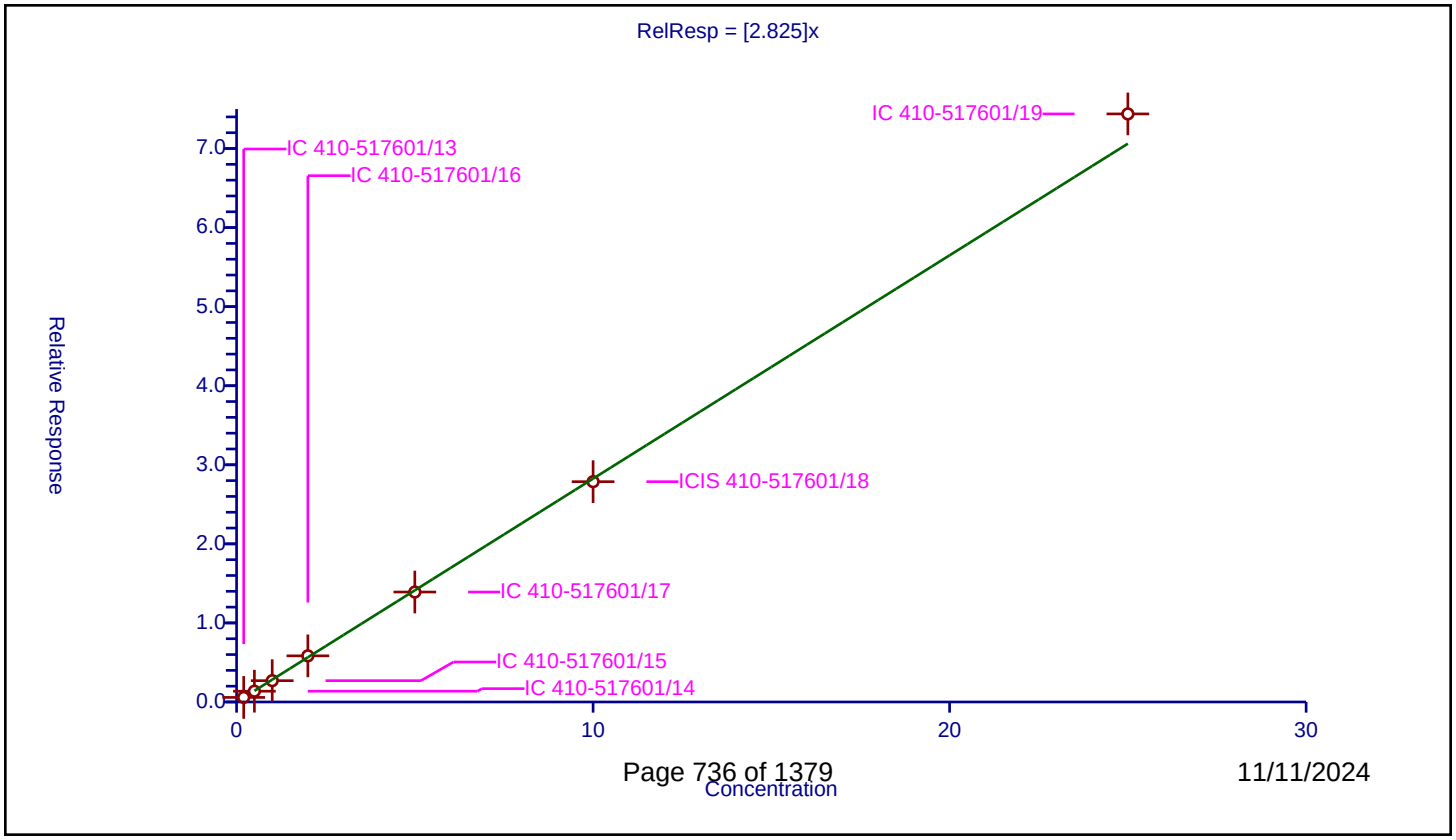
Curve Coefficients

Intercept:	0
Slope:	2.825

Error Coefficients

Relative Standard Deviation:	3.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.576933	10.0	1015421.0	2.884666	Y
2	IC 410-517601/14	0.5	1.365111	10.0	1026393.0	2.730221	Y
3	IC 410-517601/15	1.0	2.697321	10.0	1014032.0	2.697321	Y
4	IC 410-517601/16	2.0	5.835703	10.0	1002844.0	2.917852	Y
5	IC 410-517601/17	5.0	13.908077	10.0	1046571.0	2.781615	Y
6	ICIS 410-517601/18	10.0	27.865219	10.0	1059823.0	2.786522	Y
7	IC 410-517601/19	25.0	74.377756	10.0	1044446.0	2.97511	Y



Calibration / 4-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

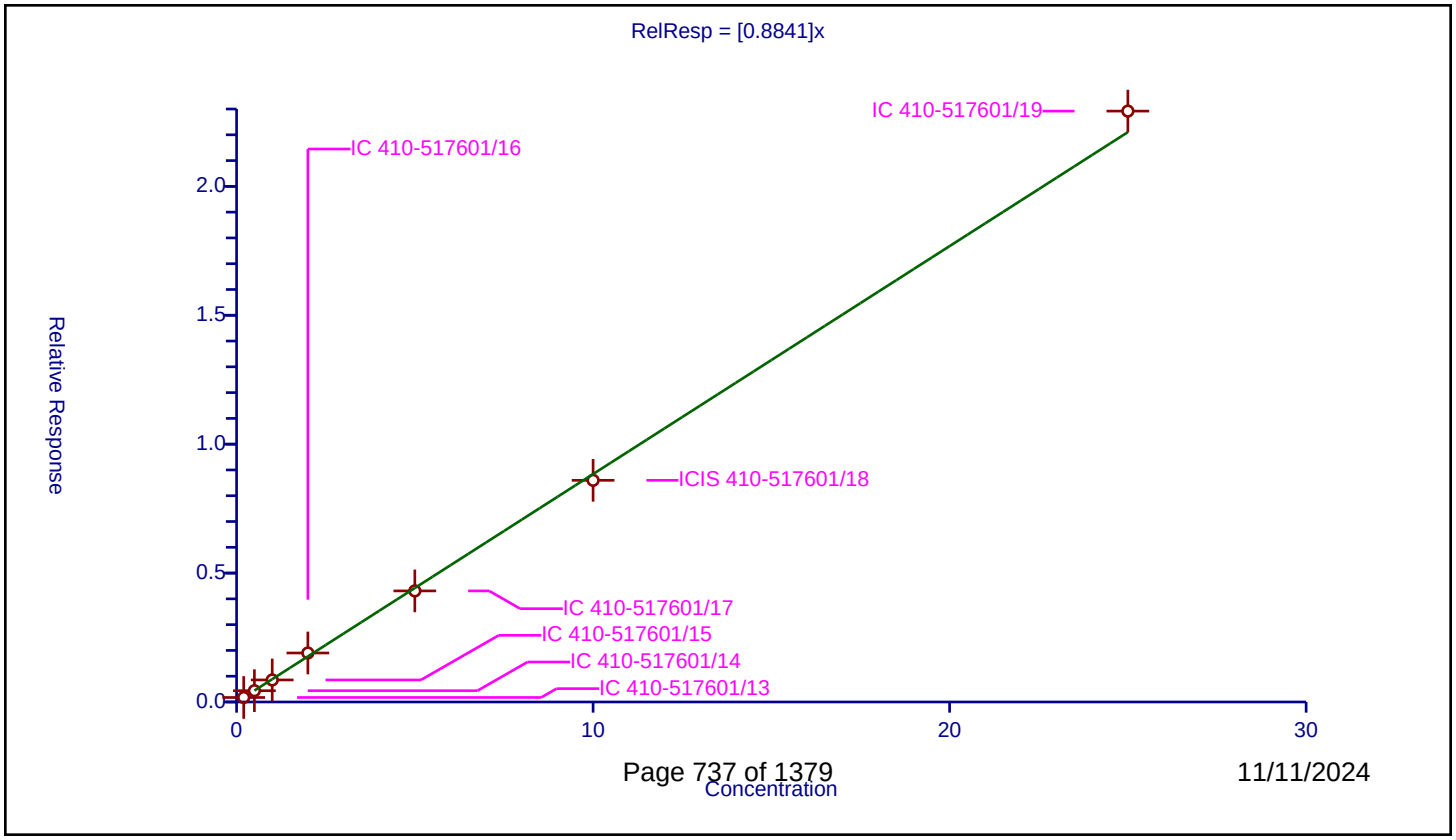
Curve Coefficients

Intercept:	0
Slope:	0.8841

Error Coefficients

Relative Standard Deviation:	4.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.173928	10.0	1015421.0	0.869639	Y
2	IC 410-517601/14	0.5	0.437893	10.0	1026393.0	0.875785	Y
3	IC 410-517601/15	1.0	0.854805	10.0	1014032.0	0.854805	Y
4	IC 410-517601/16	2.0	1.900226	10.0	1002844.0	0.950113	Y
5	IC 410-517601/17	5.0	4.308614	10.0	1046571.0	0.861723	Y
6	ICIS 410-517601/18	10.0	8.598341	10.0	1059823.0	0.859834	Y
7	IC 410-517601/19	25.0	22.919711	10.0	1044446.0	0.916788	Y



Calibration / tert-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

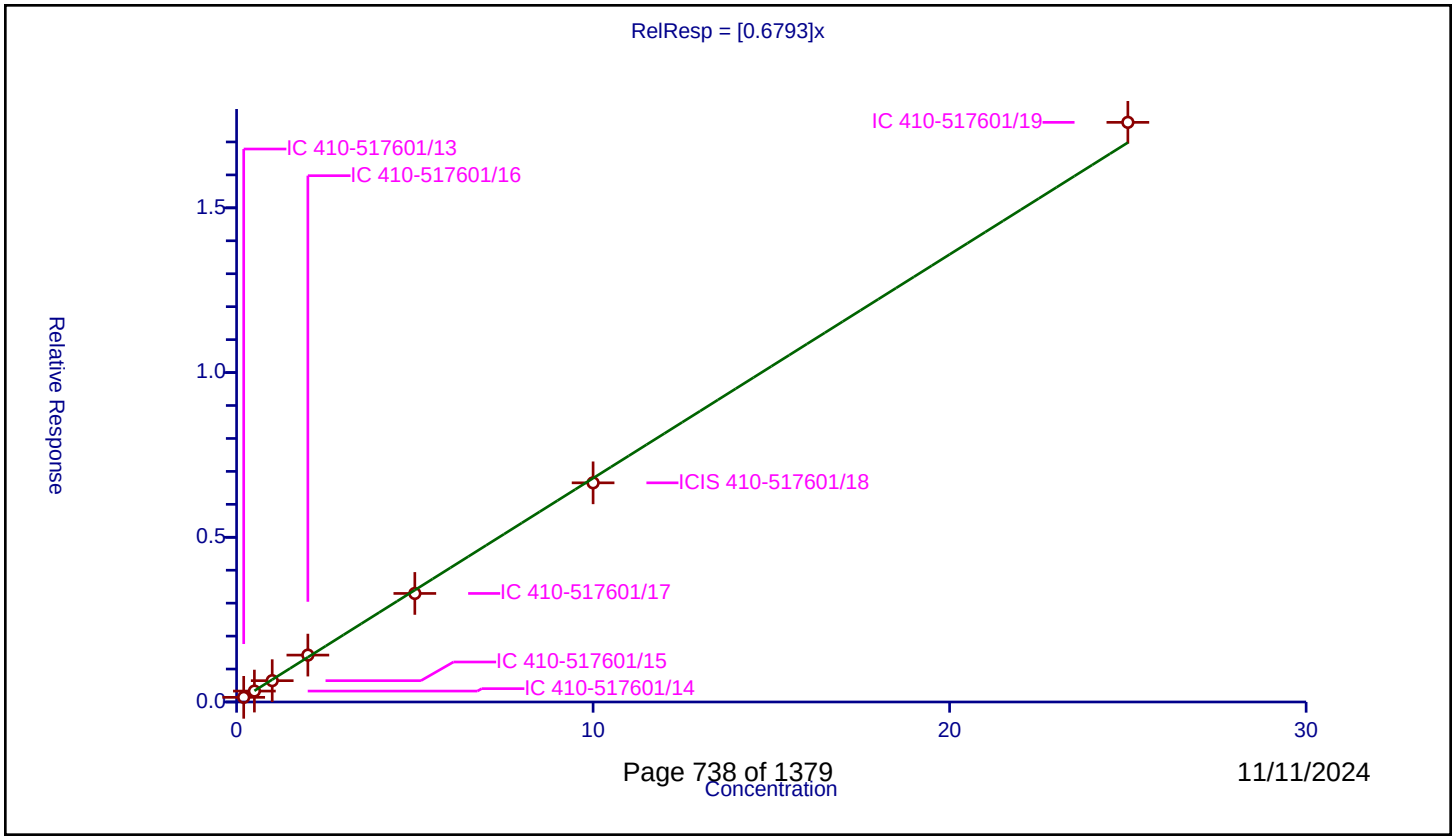
Curve Coefficients

Intercept:	0
Slope:	0.6793

Error Coefficients

Relative Standard Deviation:	3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.141084	10.0	1015421.0	0.705422	Y
2	IC 410-517601/14	0.5	0.331082	10.0	1026393.0	0.662164	Y
3	IC 410-517601/15	1.0	0.647554	10.0	1014032.0	0.647554	Y
4	IC 410-517601/16	2.0	1.423512	10.0	1002844.0	0.711756	Y
5	IC 410-517601/17	5.0	3.294578	10.0	1046571.0	0.658916	Y
6	ICIS 410-517601/18	10.0	6.652951	10.0	1059823.0	0.665295	Y
7	IC 410-517601/19	25.0	17.595625	10.0	1044446.0	0.703825	Y



Calibration / Pentachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

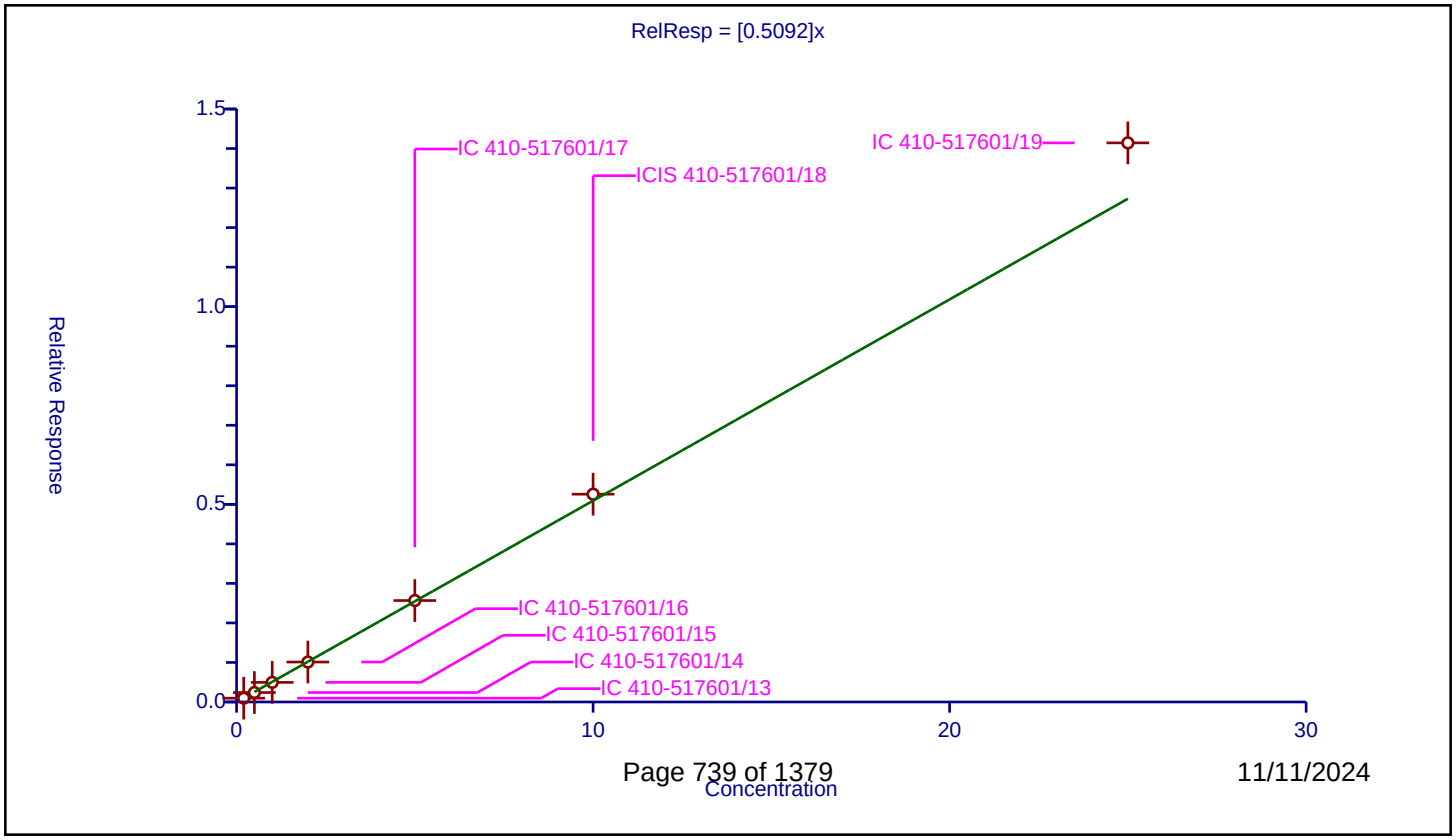
Curve Coefficients

Intercept:	0
Slope:	0.5092

Error Coefficients

Relative Standard Deviation:	5.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.095803	10.0	1015421.0	0.479013	Y
2	IC 410-517601/14	0.5	0.23944	10.0	1026393.0	0.478881	Y
3	IC 410-517601/15	1.0	0.496138	10.0	1014032.0	0.496138	Y
4	IC 410-517601/16	2.0	1.010995	10.0	1002844.0	0.505497	Y
5	IC 410-517601/17	5.0	2.566486	10.0	1046571.0	0.513297	Y
6	ICIS 410-517601/18	10.0	5.256255	10.0	1059823.0	0.525626	Y
7	IC 410-517601/19	25.0	14.143182	10.0	1044446.0	0.565727	Y



Calibration / 1,2,4-Trimethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

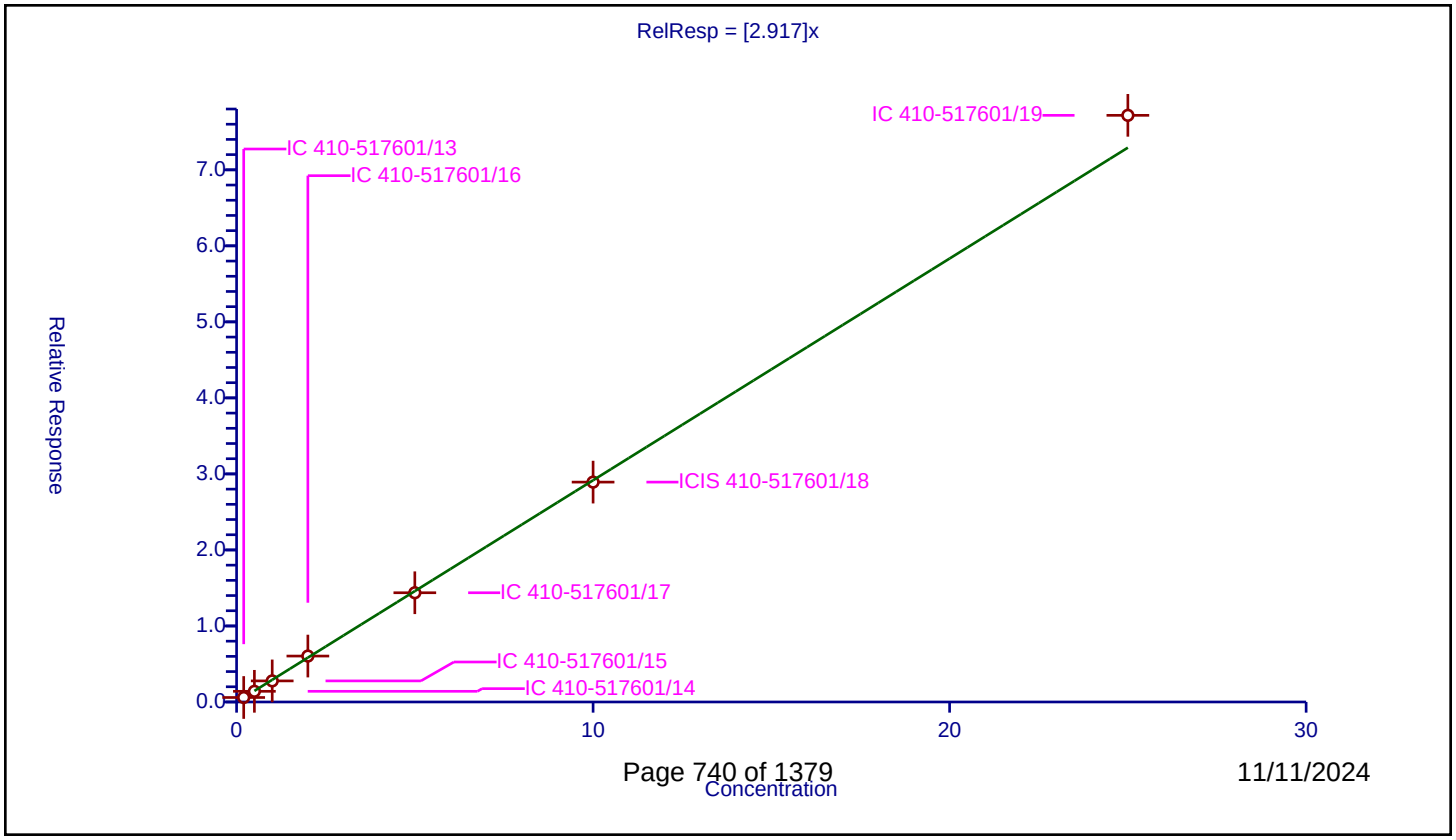
Curve Coefficients

Intercept:	0
Slope:	2.917

Error Coefficients

Relative Standard Deviation:	3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.592533	10.0	1015421.0	2.962663	Y
2	IC 410-517601/14	0.5	1.404326	10.0	1026393.0	2.808651	Y
3	IC 410-517601/15	1.0	2.771609	10.0	1014032.0	2.771609	Y
4	IC 410-517601/16	2.0	6.041468	10.0	1002844.0	3.020734	Y
5	IC 410-517601/17	5.0	14.36902	10.0	1046571.0	2.873804	Y
6	ICIS 410-517601/18	10.0	28.922905	10.0	1059823.0	2.892291	Y
7	IC 410-517601/19	25.0	77.167522	10.0	1044446.0	3.086701	Y



Calibration / sec-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

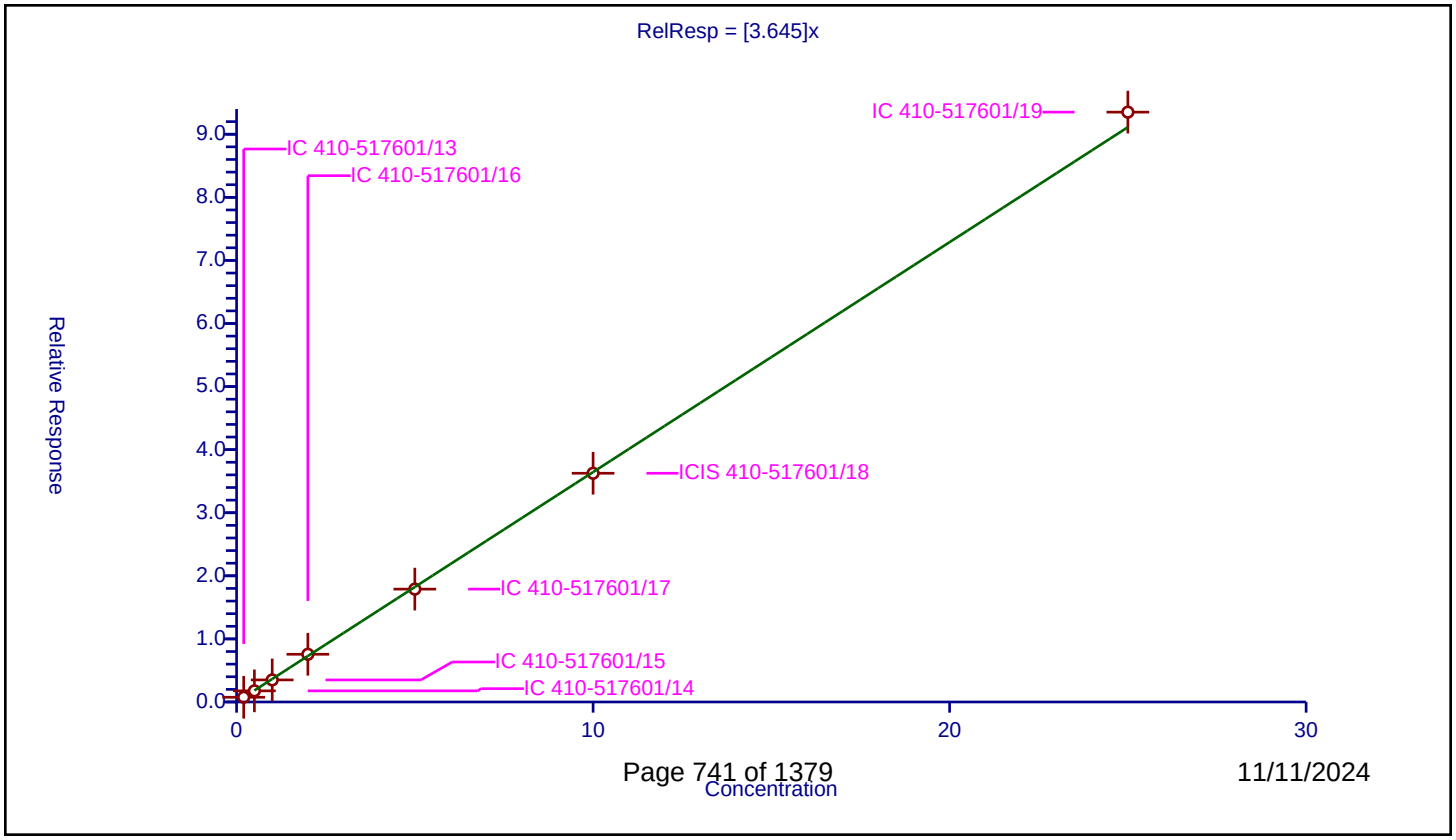
Curve Coefficients

Intercept:	0
Slope:	3.645

Error Coefficients

Relative Standard Deviation:	3.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.751422	10.0	1015421.0	3.757112	Y
2	IC 410-517601/14	0.5	1.766078	10.0	1026393.0	3.532156	Y
3	IC 410-517601/15	1.0	3.497059	10.0	1014032.0	3.497059	Y
4	IC 410-517601/16	2.0	7.564417	10.0	1002844.0	3.782208	Y
5	IC 410-517601/17	5.0	17.890645	10.0	1046571.0	3.578129	Y
6	ICIS 410-517601/18	10.0	36.260583	10.0	1059823.0	3.626058	Y
7	IC 410-517601/19	25.0	93.505131	10.0	1044446.0	3.740205	Y



Calibration / 1,3-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

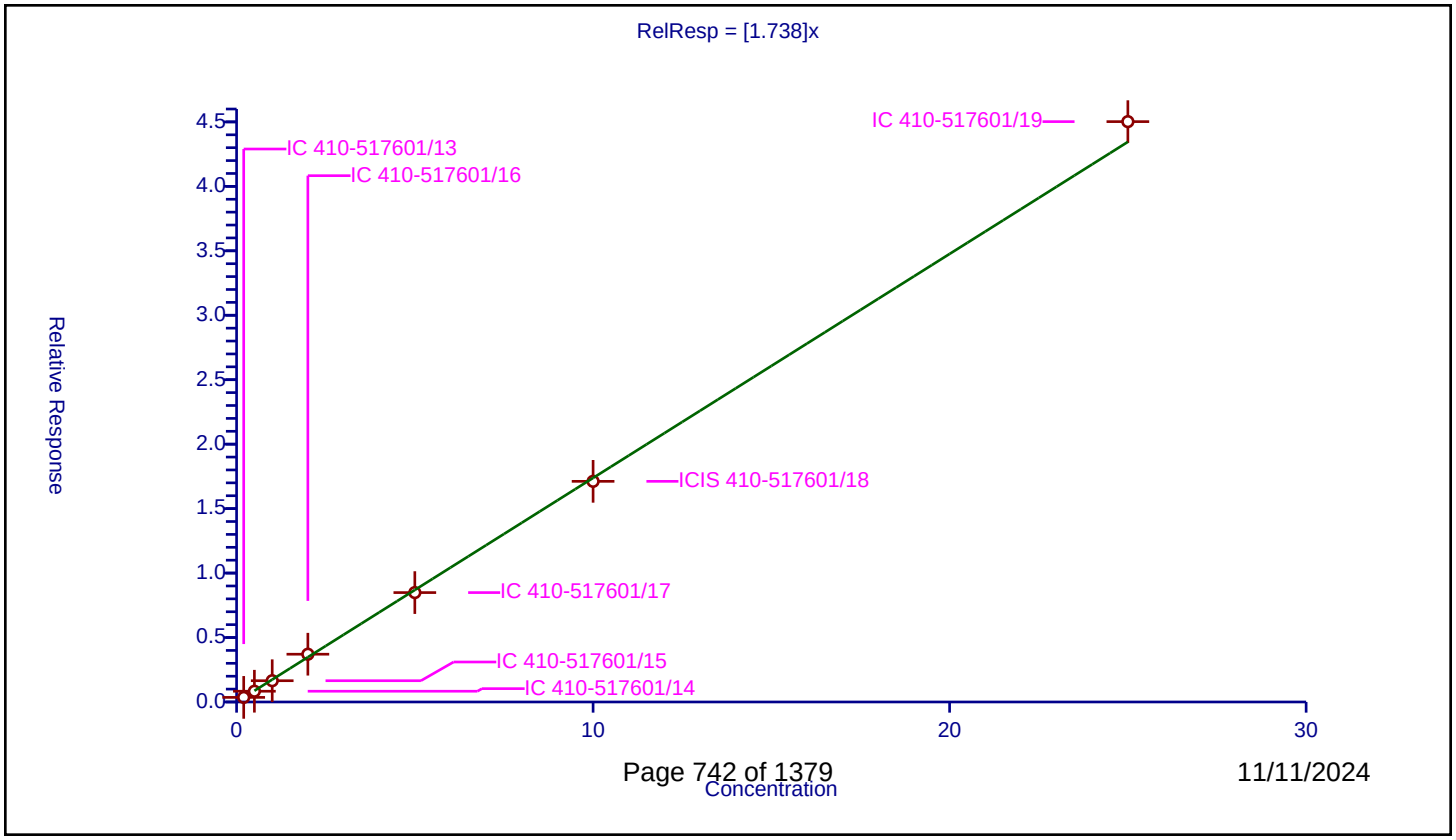
Curve Coefficients

Intercept:	0
Slope:	1.738

Error Coefficients

Relative Standard Deviation:	4.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.357202	10.0	1015421.0	1.786008	Y
2	IC 410-517601/14	0.5	0.833687	10.0	1026393.0	1.667373	Y
3	IC 410-517601/15	1.0	1.649277	10.0	1014032.0	1.649277	Y
4	IC 410-517601/16	2.0	3.70589	10.0	1002844.0	1.852945	Y
5	IC 410-517601/17	5.0	8.487031	10.0	1046571.0	1.697406	Y
6	ICIS 410-517601/18	10.0	17.116254	10.0	1059823.0	1.711625	Y
7	IC 410-517601/19	25.0	45.022251	10.0	1044446.0	1.80089	Y



Calibration / 4-Isopropyltoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

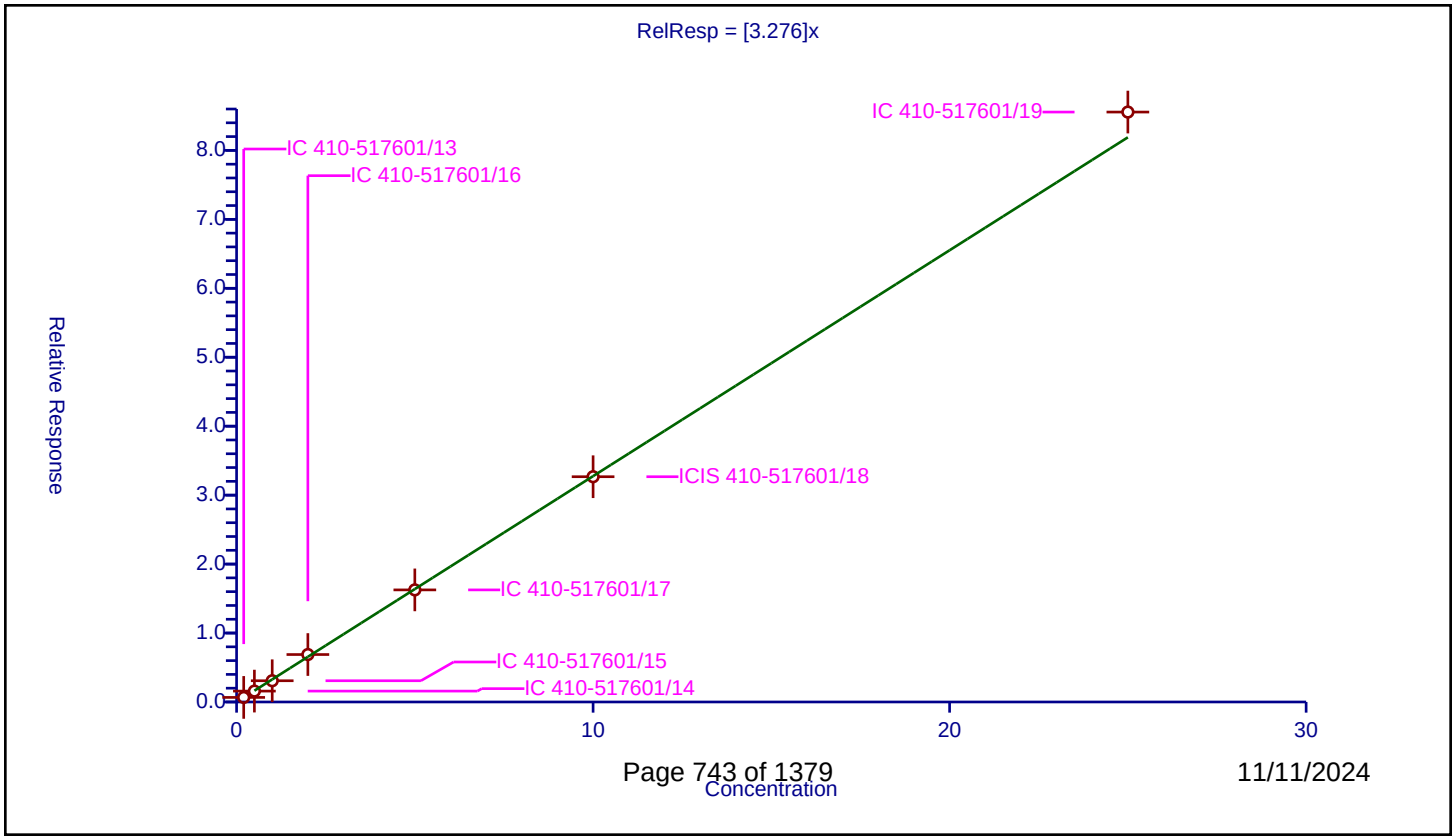
Curve Coefficients

Intercept:	0
Slope:	3.276

Error Coefficients

Relative Standard Deviation:	4.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.661952	10.0	1015421.0	3.30976	Y
2	IC 410-517601/14	0.5	1.578489	10.0	1026393.0	3.156978	Y
3	IC 410-517601/15	1.0	3.081707	10.0	1014032.0	3.081707	Y
4	IC 410-517601/16	2.0	6.881828	10.0	1002844.0	3.440914	Y
5	IC 410-517601/17	5.0	16.257387	10.0	1046571.0	3.251477	Y
6	ICIS 410-517601/18	10.0	32.668908	10.0	1059823.0	3.266891	Y
7	IC 410-517601/19	25.0	85.558028	10.0	1044446.0	3.422321	Y



Calibration / 1,4-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

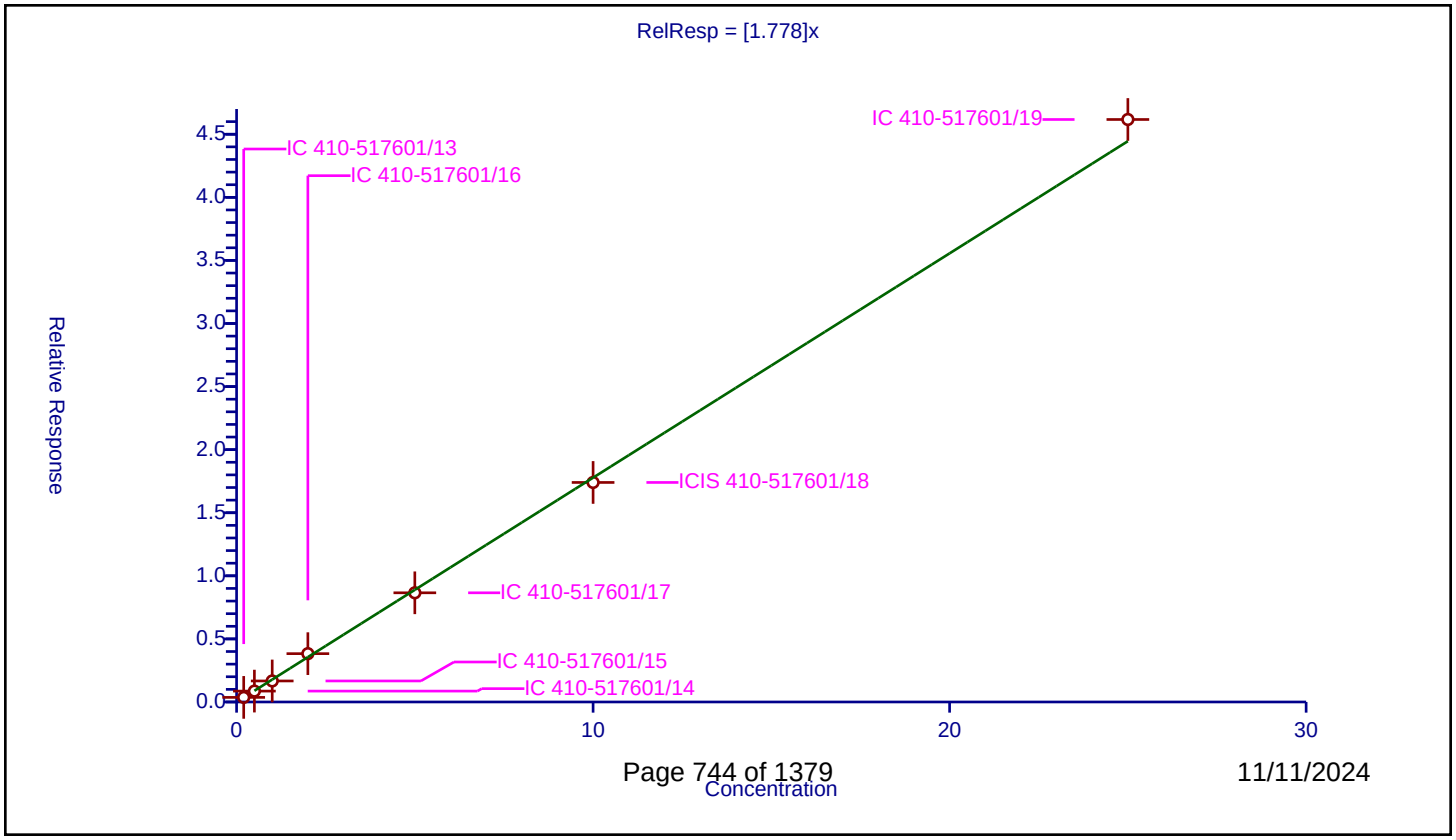
Curve Coefficients

Intercept:	0
Slope:	1.778

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.364105	10.0	1015421.0	1.820526	Y
2	IC 410-517601/14	0.5	0.862652	10.0	1026393.0	1.725304	Y
3	IC 410-517601/15	1.0	1.66691	10.0	1014032.0	1.66691	Y
4	IC 410-517601/16	2.0	3.830965	10.0	1002844.0	1.915482	Y
5	IC 410-517601/17	5.0	8.653422	10.0	1046571.0	1.730684	Y
6	ICIS 410-517601/18	10.0	17.400264	10.0	1059823.0	1.740026	Y
7	IC 410-517601/19	25.0	46.169941	10.0	1044446.0	1.846798	Y



Calibration / 1,2,3-Trimethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

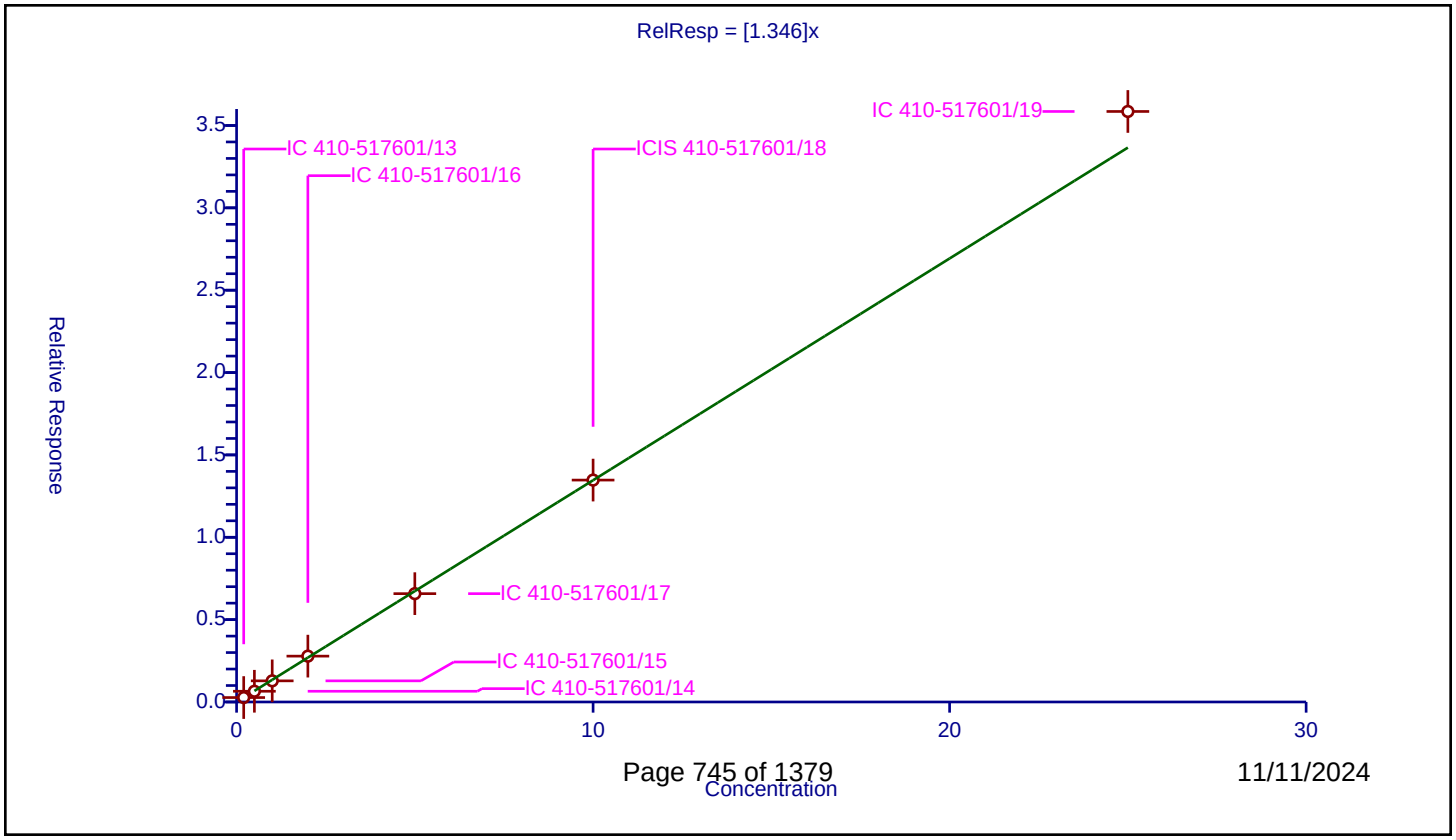
Curve Coefficients

Intercept:	0
Slope:	1.346

Error Coefficients

Relative Standard Deviation:	3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.269671	10.0	1015421.0	1.348357	Y
2	IC 410-517601/14	0.5	0.652109	10.0	1026393.0	1.304218	Y
3	IC 410-517601/15	1.0	1.283322	10.0	1014032.0	1.283322	Y
4	IC 410-517601/16	2.0	2.783035	10.0	1002844.0	1.391518	Y
5	IC 410-517601/17	5.0	6.576697	10.0	1046571.0	1.315339	Y
6	ICIS 410-517601/18	10.0	13.47258	10.0	1059823.0	1.347258	Y
7	IC 410-517601/19	25.0	35.850604	10.0	1044446.0	1.434024	Y



Calibration / Benzyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

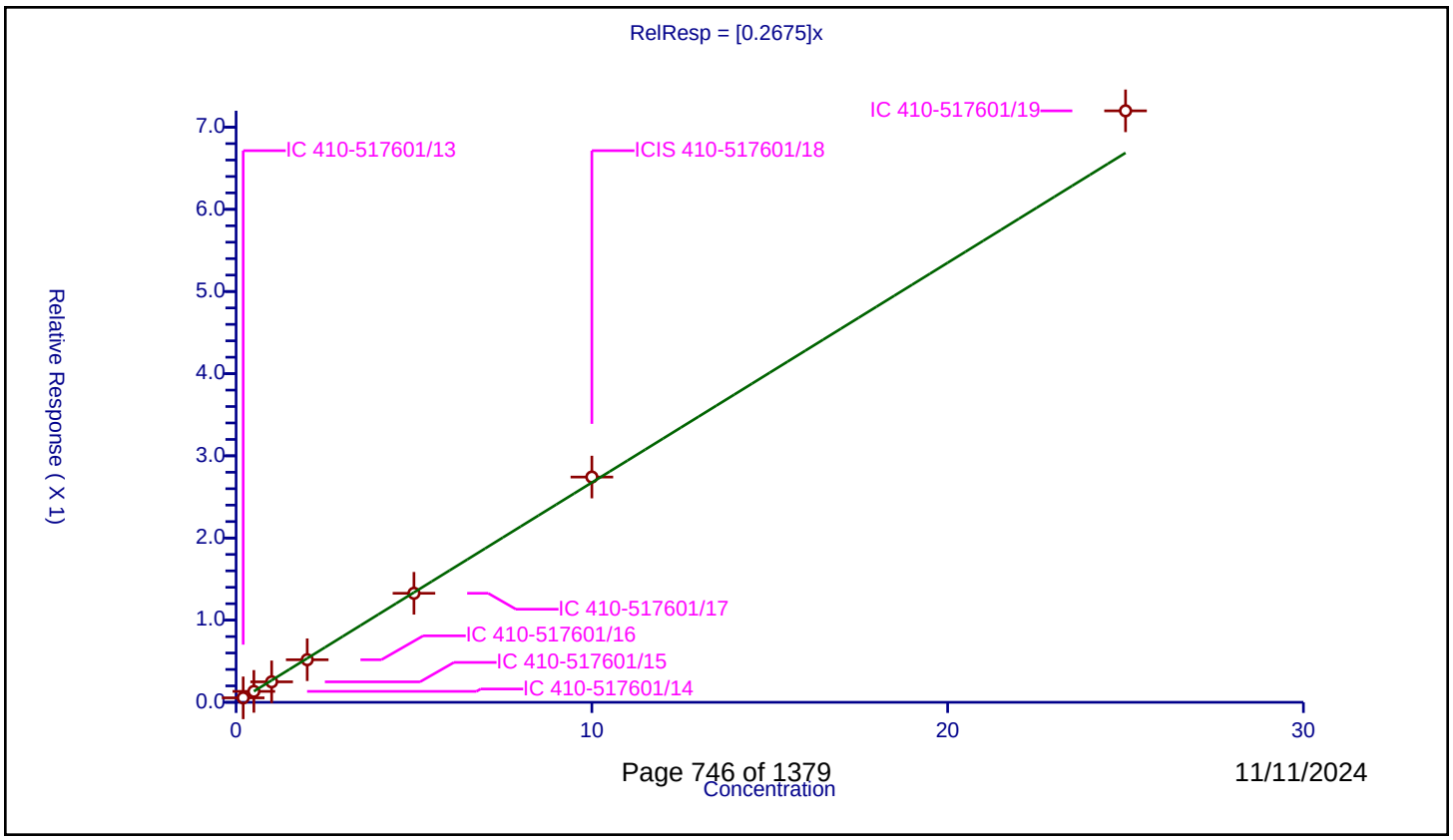
Curve Coefficients

Intercept:	0
Slope:	0.2675

Error Coefficients

Relative Standard Deviation:	4.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.054224	10.0	1015421.0	0.271119	Y
2	IC 410-517601/14	0.5	0.132873	10.0	1026393.0	0.265746	Y
3	IC 410-517601/15	1.0	0.249026	10.0	1014032.0	0.249026	Y
4	IC 410-517601/16	2.0	0.518136	10.0	1002844.0	0.259068	Y
5	IC 410-517601/17	5.0	1.326933	10.0	1046571.0	0.265387	Y
6	ICIS 410-517601/18	10.0	2.741713	10.0	1059823.0	0.274171	Y
7	IC 410-517601/19	25.0	7.198965	10.0	1044446.0	0.287959	Y



Calibration / n-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

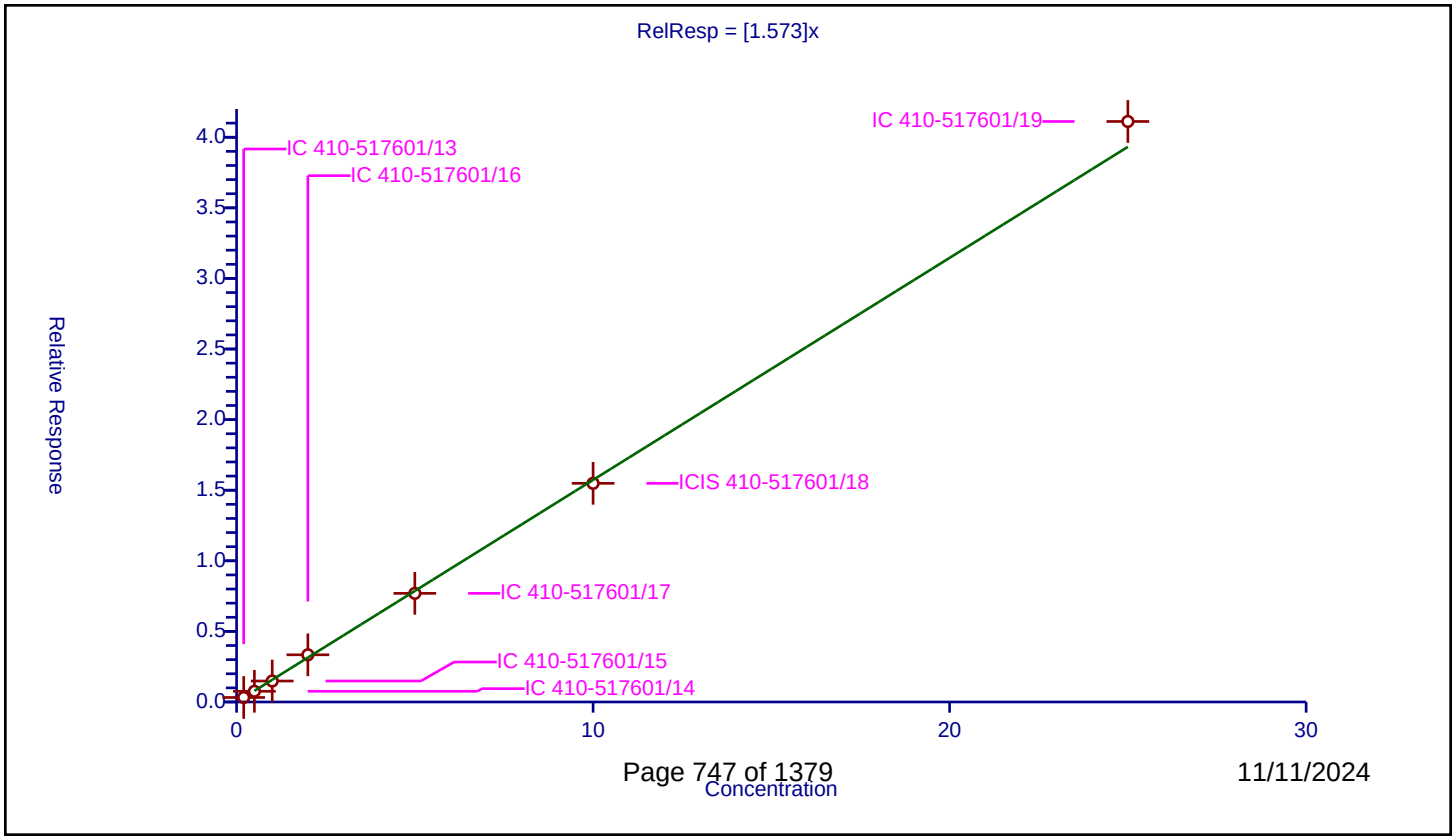
Curve Coefficients

Intercept:	0
Slope:	1.573

Error Coefficients

Relative Standard Deviation:	4.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.320626	10.0	1015421.0	1.603128	Y
2	IC 410-517601/14	0.5	0.758569	10.0	1026393.0	1.517138	Y
3	IC 410-517601/15	1.0	1.486344	10.0	1014032.0	1.486344	Y
4	IC 410-517601/16	2.0	3.341946	10.0	1002844.0	1.670973	Y
5	IC 410-517601/17	5.0	7.693143	10.0	1046571.0	1.538629	Y
6	ICIS 410-517601/18	10.0	15.486643	10.0	1059823.0	1.548664	Y
7	IC 410-517601/19	25.0	41.117789	10.0	1044446.0	1.644712	Y



Calibration / 1,2-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

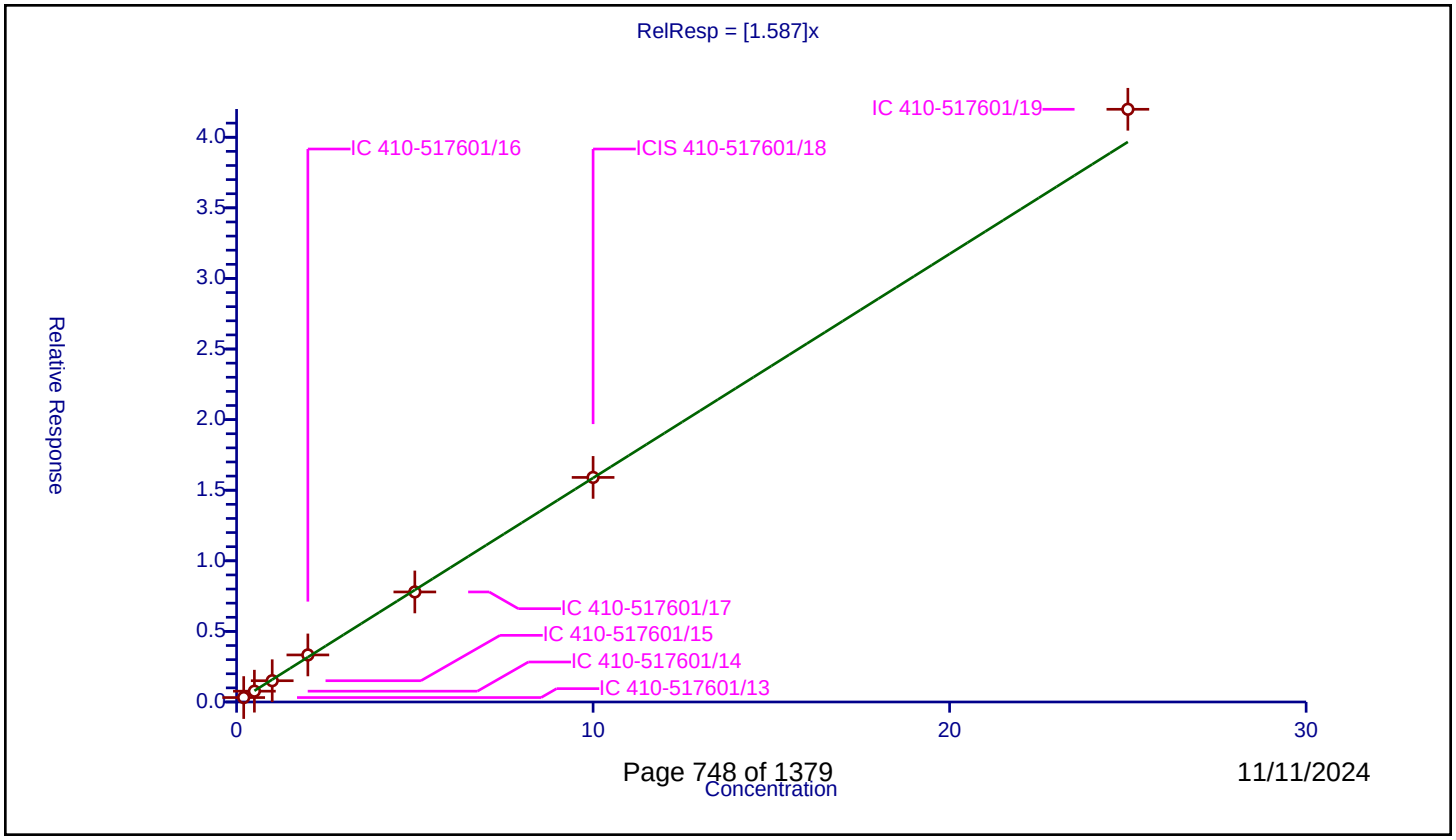
Curve Coefficients

Intercept:	0
Slope:	1.587

Error Coefficients

Relative Standard Deviation:	4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.314904	10.0	1015421.0	1.574519	Y
2	IC 410-517601/14	0.5	0.765886	10.0	1026393.0	1.531772	Y
3	IC 410-517601/15	1.0	1.506728	10.0	1014032.0	1.506728	Y
4	IC 410-517601/16	2.0	3.332054	10.0	1002844.0	1.666027	Y
5	IC 410-517601/17	5.0	7.793537	10.0	1046571.0	1.558707	Y
6	ICIS 410-517601/18	10.0	15.906298	10.0	1059823.0	1.59063	Y
7	IC 410-517601/19	25.0	41.980294	10.0	1044446.0	1.679212	Y



Calibration / 1,2-Dibromo-3-Chloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

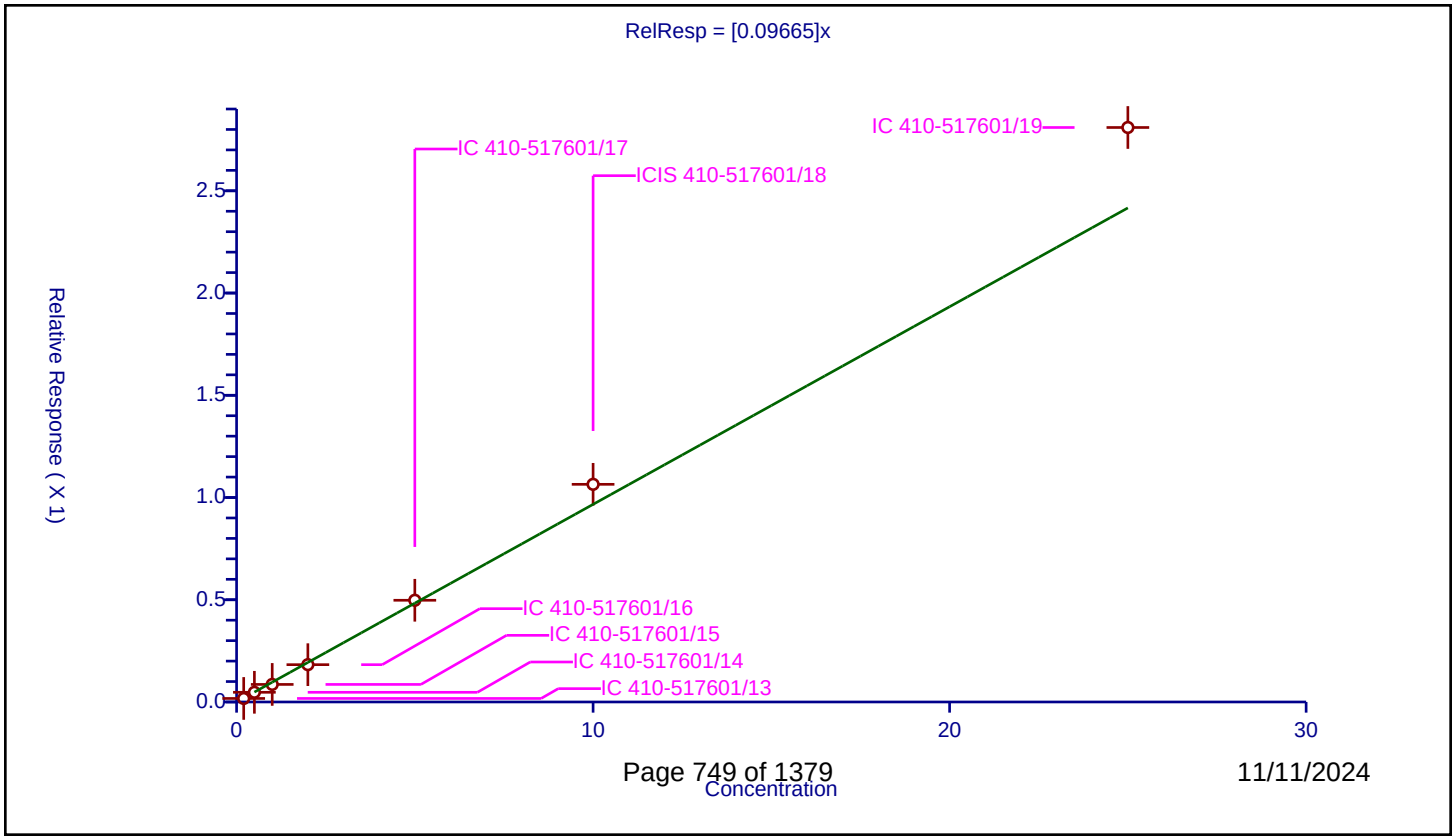
Curve Coefficients

Intercept:	0
Slope:	0.09665

Error Coefficients

Relative Standard Deviation:	10.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.017224	10.0	1015421.0	0.086122	Y
2	IC 410-517601/14	0.5	0.047467	10.0	1026393.0	0.094934	Y
3	IC 410-517601/15	1.0	0.085914	10.0	1014032.0	0.085914	Y
4	IC 410-517601/16	2.0	0.182541	10.0	1002844.0	0.09127	Y
5	IC 410-517601/17	5.0	0.497501	10.0	1046571.0	0.0995	Y
6	ICIS 410-517601/18	10.0	1.06448	10.0	1059823.0	0.106448	Y
7	IC 410-517601/19	25.0	2.809614	10.0	1044446.0	0.112385	Y



Calibration / 1,3,5-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

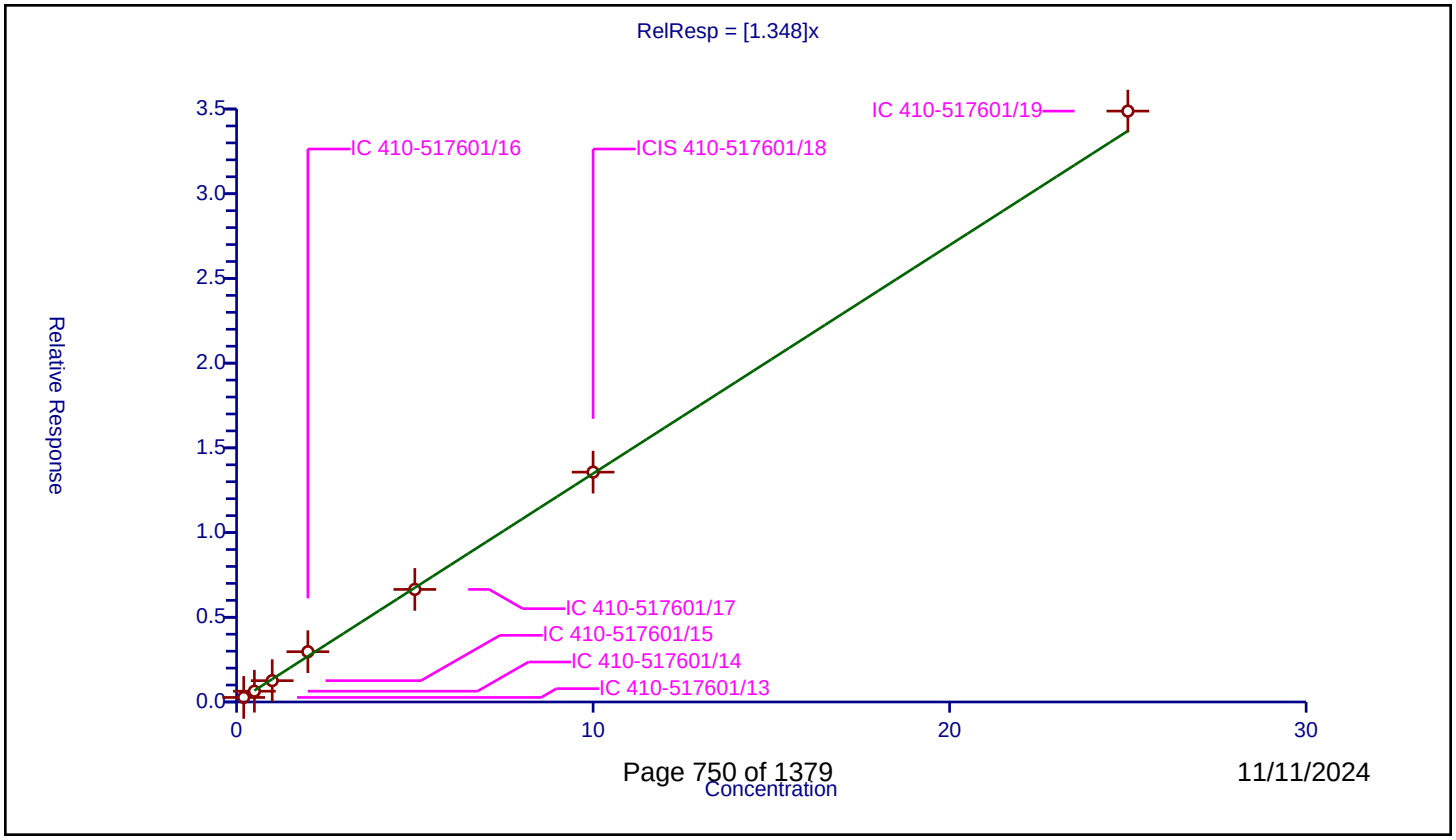
Curve Coefficients

Intercept:	0
Slope:	1.348

Error Coefficients

Relative Standard Deviation:	5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.268362	10.0	1015421.0	1.341808	Y
2	IC 410-517601/14	0.5	0.636394	10.0	1026393.0	1.272787	Y
3	IC 410-517601/15	1.0	1.258875	10.0	1014032.0	1.258875	Y
4	IC 410-517601/16	2.0	2.96773	10.0	1002844.0	1.483865	Y
5	IC 410-517601/17	5.0	6.644633	10.0	1046571.0	1.328927	Y
6	ICIS 410-517601/18	10.0	13.567445	10.0	1059823.0	1.356744	Y
7	IC 410-517601/19	25.0	34.87783	10.0	1044446.0	1.395113	Y



Calibration / 1,2,4-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

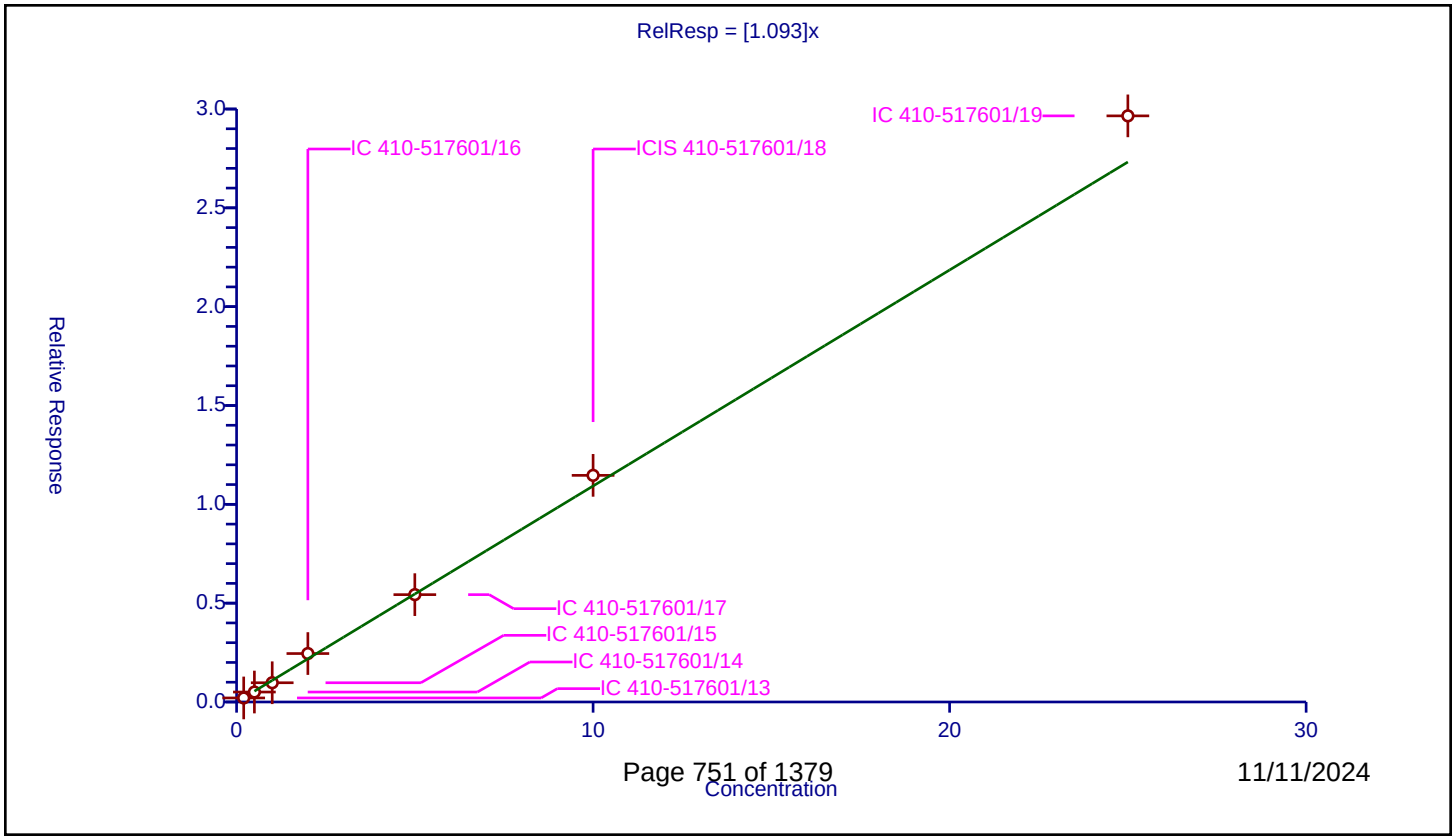
Curve Coefficients

Intercept:	0
Slope:	1.093

Error Coefficients

Relative Standard Deviation:	8.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.204684	10.0	1015421.0	1.023418	Y
2	IC 410-517601/14	0.5	0.50393	10.0	1026393.0	1.00786	Y
3	IC 410-517601/15	1.0	0.973549	10.0	1014032.0	0.973549	Y
4	IC 410-517601/16	2.0	2.451129	10.0	1002844.0	1.225564	Y
5	IC 410-517601/17	5.0	5.43127	10.0	1046571.0	1.086254	Y
6	ICIS 410-517601/18	10.0	11.465348	10.0	1059823.0	1.146535	Y
7	IC 410-517601/19	25.0	29.653568	10.0	1044446.0	1.186143	Y



Calibration / Hexachlorobutadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

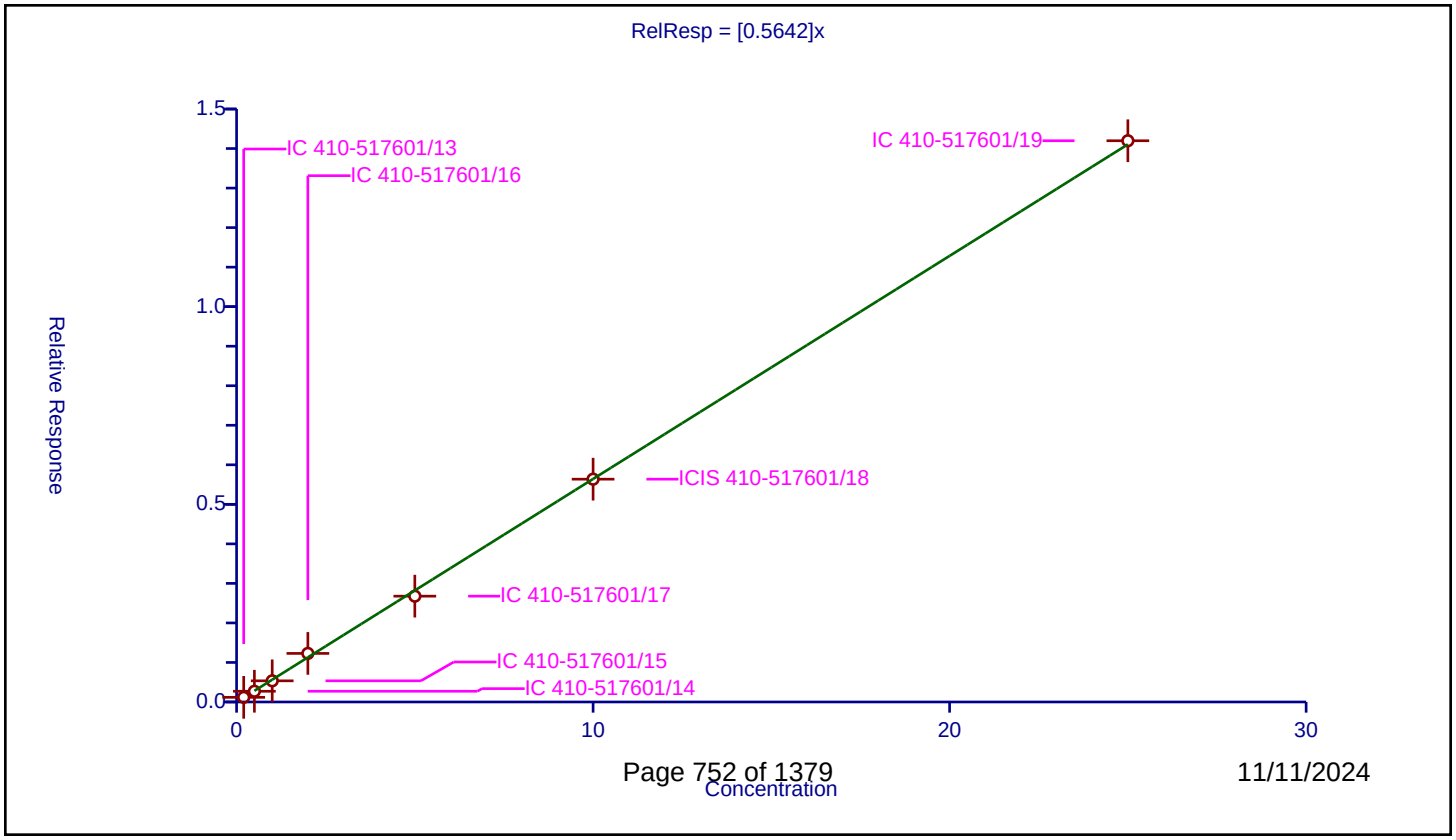
Curve Coefficients

Intercept:	0
Slope:	0.5642

Error Coefficients

Relative Standard Deviation:	5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.117981	10.0	1015421.0	0.589903	Y
2	IC 410-517601/14	0.5	0.271582	10.0	1026393.0	0.543164	Y
3	IC 410-517601/15	1.0	0.535151	10.0	1014032.0	0.535151	Y
4	IC 410-517601/16	2.0	1.228805	10.0	1002844.0	0.614403	Y
5	IC 410-517601/17	5.0	2.677238	10.0	1046571.0	0.535448	Y
6	ICIS 410-517601/18	10.0	5.636054	10.0	1059823.0	0.563605	Y
7	IC 410-517601/19	25.0	14.197575	10.0	1044446.0	0.567903	Y



Calibration / Naphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

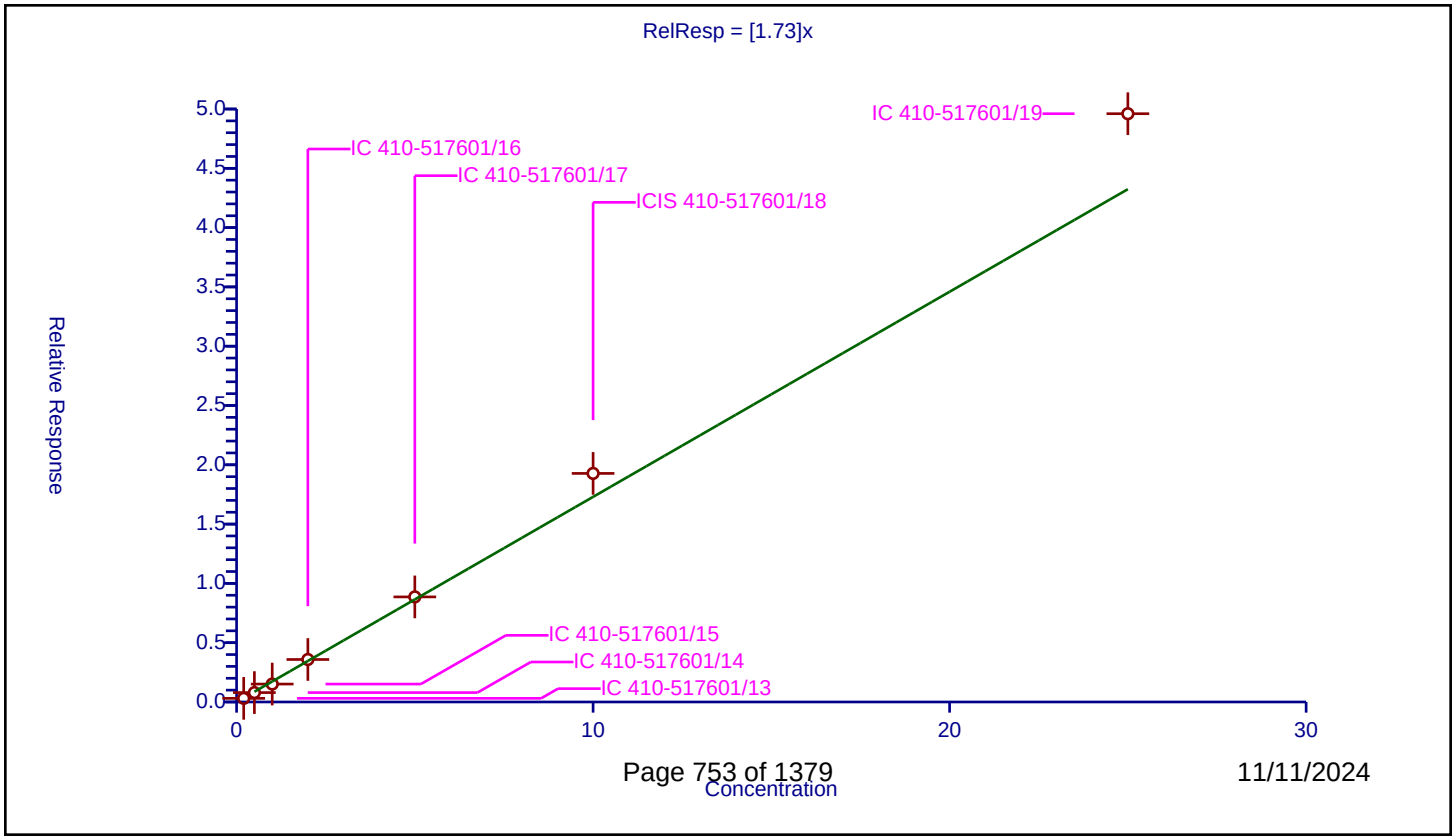
Curve Coefficients

Intercept:	0
Slope:	1.73

Error Coefficients

Relative Standard Deviation:	11.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.307153	10.0	1015421.0	1.535767	Y
2	IC 410-517601/14	0.5	0.792192	10.0	1026393.0	1.584383	Y
3	IC 410-517601/15	1.0	1.511964	10.0	1014032.0	1.511964	Y
4	IC 410-517601/16	2.0	3.582461	10.0	1002844.0	1.791231	Y
5	IC 410-517601/17	5.0	8.861272	10.0	1046571.0	1.772254	Y
6	ICIS 410-517601/18	10.0	19.272416	10.0	1059823.0	1.927242	Y
7	IC 410-517601/19	25.0	49.60334	10.0	1044446.0	1.984134	Y



Calibration / 1,2,3-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

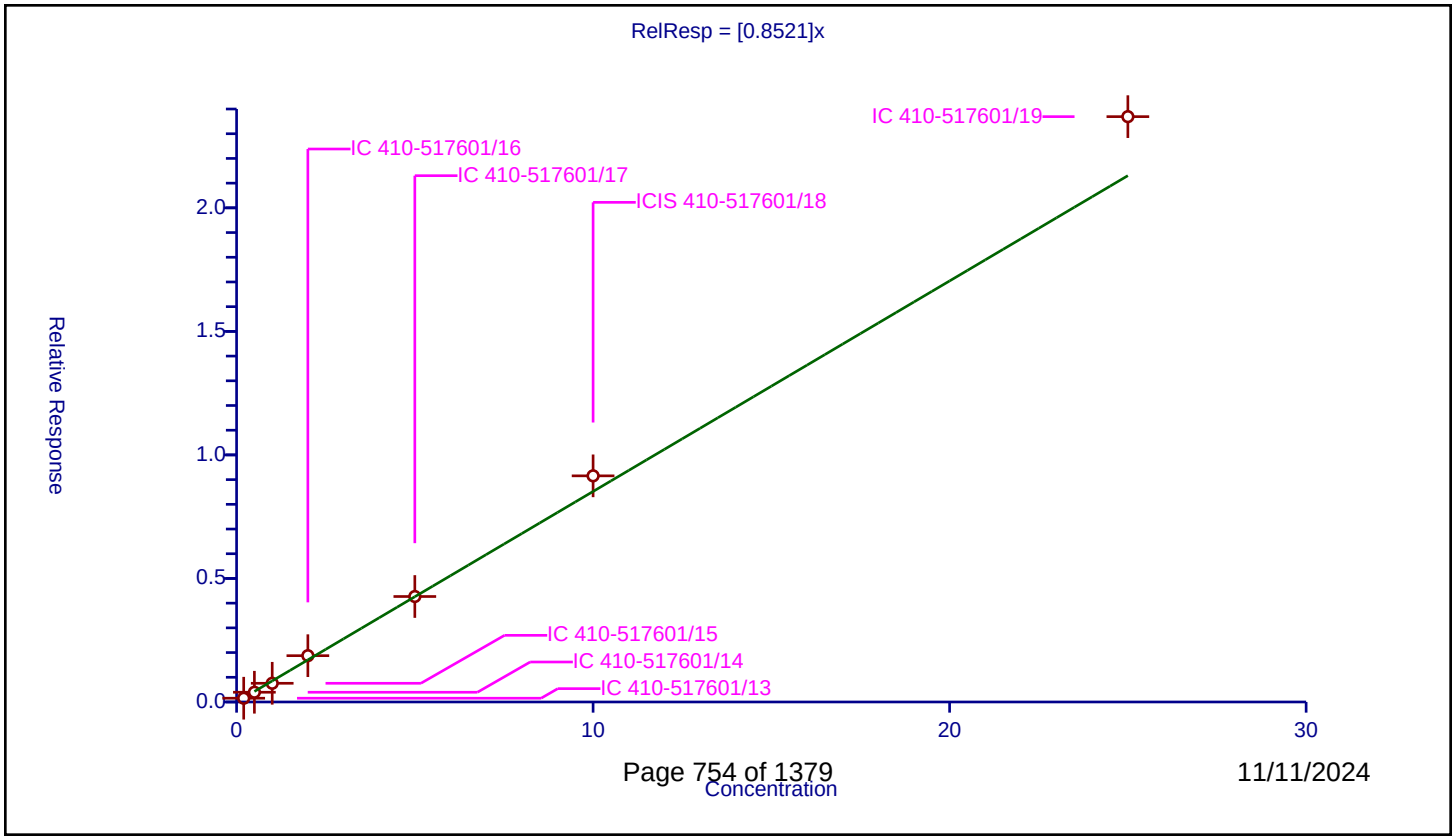
Curve Coefficients

Intercept:	0
Slope:	0.8521

Error Coefficients

Relative Standard Deviation:	9.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-517601/13	0.2	0.152813	10.0	1015421.0	0.764067	Y
2	IC 410-517601/14	0.5	0.394975	10.0	1026393.0	0.789951	Y
3	IC 410-517601/15	1.0	0.756613	10.0	1014032.0	0.756613	Y
4	IC 410-517601/16	2.0	1.874648	10.0	1002844.0	0.937324	Y
5	IC 410-517601/17	5.0	4.26918	10.0	1046571.0	0.853836	Y
6	ICIS 410-517601/18	10.0	9.152981	10.0	1059823.0	0.915298	Y
7	IC 410-517601/19	25.0	23.691268	10.0	1044446.0	0.947651	Y



FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1 Analy Batch No.: 544533

SDG No.:

Instrument ID: 16334 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/26/2024 14:49 Calibration End Date: 08/26/2024 17:02 Calibration ID: 65228

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-544533/13	GG26X02.D
Level 2	IC 410-544533/14	GG26X03.D
Level 3	IC 410-544533/15	GG26X04.D
Level 4	IC 410-544533/16	GG26X05.D
Level 5	IC 410-544533/17	GG26X06.D
Level 6	ICIS 410-544533/18	GG26X07.D
Level 7	IC 410-544533/19	GG26X08.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	0.2454 0.2226	0.2386 0.2411	0.2451	0.2467	0.2410	Ave		0.2401			0.1000	3.4		20.0			
Chloromethane	0.2766 0.2458	0.2520 0.2533	0.2603	0.2727	0.2444	Ave		0.2578			0.1000	4.9		20.0			
Vinyl chloride	0.2441 0.2318	0.2312 0.2447	0.2372	0.2529	0.2426	Ave		0.2406			0.1000	3.2		20.0			
1,3-Butadiene	0.2834 0.2329	0.2479 0.2456	0.2498	0.2407	0.2416	Ave		0.2488				6.5		20.0			
Bromomethane	0.1975 0.1823	0.1736 0.1917	0.1876	0.1959	0.1847	Ave		0.1876			0.1000	4.4		20.0			
Chloroethane	0.1558 0.1396	0.1376 0.1467	0.1392	0.1506	0.1471	Ave		0.1452			0.1000	4.6		20.0			
Dichlorofluoromethane	0.4671 0.3903	0.3960 0.4071	0.4004	0.4181	0.3906	Ave		0.4099			0.1000	6.6		20.0			
Trichlorofluoromethane	0.3503 0.3221	0.3179 0.3415	0.3334	0.3499	0.3430	Ave		0.3369			0.1000	3.8		20.0			
Ethyl ether	0.1116 0.1160	0.1088 0.1217	0.1218	0.1184	0.1162	Ave		0.1164				4.2		20.0			
Freon 123a	0.2414 0.2080	0.2084 0.2195	0.2187	0.2268	0.2123	Ave		0.2193				5.4		20.0			
Acrolein	1.6888 1.9621	1.7746 1.9524	1.8747	1.9341	1.9335	Ave		1.8743				5.6		20.0			
1,1-Dichloroethene	0.1846 0.1666	0.1784 0.1674	0.1773	0.1673	0.1674	Ave		0.1727			0.1000	4.2		20.0			
Acetone	2.8300 2.1577	2.6065 2.1116	2.4514	2.4187	2.2378	Ave		2.4020			0.1000	10.7		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1 Analy Batch No.: 544533

SDG No.:

Instrument ID: 16334 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/26/2024 14:49 Calibration End Date: 08/26/2024 17:02 Calibration ID: 65228

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	0.1580 0.1771	0.1926 0.1841	0.1958	0.1781	0.1769	Ave		0.1804			0.1000	6.9		20.0			
Methyl iodide	0.3339 0.3493	0.3438 0.3566	0.3617	0.3498	0.3468	Ave		0.3488				2.6		20.0			
Ethyl bromide	0.1510 0.1493	0.1491 0.1542	0.1565	0.1600	0.1506	Ave		0.1530				2.7		20.0			
Carbon disulfide	0.5921 0.5690	0.5924 0.5805	0.6143	0.5794	0.5734	Ave		0.5859			0.1000	2.6		20.0			
Methyl acetate	6.2865 5.6322	7.4662 5.6529	5.6633	6.2674	5.7370	Ave		6.1008			0.1000	10.9		20.0			
Allyl chloride	0.2877 0.2697	0.2735 0.2744	0.2769	0.2716	0.2744	Ave		0.2755				2.1		20.0			
Methylene Chloride	0.2028 0.1819	0.1910 0.1867	0.1973	0.1868	0.1852	Ave		0.1903			0.1000	3.9		20.0			
t-Butyl alcohol	0.6304 0.6290	0.6266 0.6319	0.6718	0.6703	0.6305	Ave		0.6415				3.2		20.0			
Acrylonitrile	+++++ 3.4017	2.2096 3.1891	2.9689	3.1262	3.2909	Ave		3.0310				14.1		20.0			
trans-1,2-Dichloroethene	0.1890 0.1979	0.2036 0.2025	0.2039	0.2010	0.2007	Ave		0.1998			0.1000	2.6		20.0			
Methyl tert-butyl ether	0.3703 0.3769	0.3788 0.3905	0.3794	0.3729	0.3805	Ave		0.3785			0.1000	1.7		20.0			
n-Hexane	0.2134 0.2436	0.2493 0.2550	0.2671	0.2495	0.2467	Ave		0.2464				6.7		20.0			
1,1-Dichloroethane	0.3386 0.3446	0.3292 0.3449	0.3478	0.3511	0.3371	Ave		0.3419			0.2000	2.2		20.0			
di-Isopropyl ether	0.5137 0.5543	0.5180 0.5703	0.5621	0.5429	0.5543	Ave		0.5451				4.0		20.0			
2-Chloro-1,3-butadiene	0.2625 0.2711	0.2574 0.2823	0.2757	0.2650	0.2721	Ave		0.2694				3.1		20.0			
Ethyl t-butyl ether	0.4851 0.5100	0.4777 0.5277	0.5034	0.4979	0.5112	Ave		0.5019				3.4		20.0			
2-Butanone (MEK)	3.0810 3.8956	3.2635 3.6816	3.8416	3.9275	3.7671	Ave		3.6368			0.1000	9.1		20.0			
cis-1,2-Dichloroethene	0.2194 0.2214	0.2141 0.2276	0.2297	0.2250	0.2229	Ave		0.2229			0.1000	2.4		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1 Analy Batch No.: 544533

SDG No.:

Instrument ID: 16334 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/26/2024 14:49 Calibration End Date: 08/26/2024 17:02 Calibration ID: 65228

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
2,2-Dichloropropane	0.3042 0.2978	0.2991 0.3029	0.3100	0.2976	0.3024	Ave		0.3020				1.5		20.0			
Propionitrile	0.6439 1.0929	0.9285 1.0389	1.0528	1.0580	1.0391	Ave		0.9792				16.0		20.0			
Methacrylonitrile	3.7194 4.5965	3.9590 4.3133	4.3587	4.4350	4.4937	Ave		4.2680				7.4		20.0			
Bromochloromethane	0.0790 0.0913	0.0843 0.0924	0.0910	0.0907	0.0919	Ave		0.0887				5.7		20.0			
Tetrahydrofuran	0.7382 1.1804	1.0205 1.1240	1.0680	1.0954	1.1612	Ave		1.0554				14.2		20.0			
Chloroform	0.3580 0.3489	0.3478 0.3562	0.3657	0.3541	0.3525	Ave		0.3547			0.2000	1.7		20.0			
1,1,1-Trichloroethane	0.3062 0.3102	0.3083 0.3173	0.3249	0.3132	0.3207	Ave		0.3144			0.1000	2.2		20.0			
Cyclohexane	0.2713 0.2901	0.3111 0.3054	0.3179	0.2883	0.2956	Ave		0.2971			0.1000	5.3		20.0			
Carbon tetrachloride	0.2633 0.2826	0.2835 0.2941	0.2951	0.2840	0.2842	Ave		0.2838			0.1000	3.7		20.0			
1,1-Dichloropropene	0.2617 0.2659	0.2607 0.2734	0.2770	0.2640	0.2672	Ave		0.2671				2.3		20.0			
Isobutyl alcohol	0.0016 0.0017	0.0017 0.0019	0.0016	0.0015	0.0016	Ave		0.0017				8.1		20.0			
Benzene	0.7911 0.7948	0.7955 0.8207	0.8200	0.8106	0.8040	Ave		0.8052			0.5000	1.5		20.0			
1,2-Dichloroethane	0.1876 0.1881	0.1859 0.1962	0.1910	0.1840	0.1818	Ave		0.1878			0.1000	2.5		20.0			
t-Amyl methyl ether	0.3978 0.4315	0.3960 0.4436	0.4197	0.4139	0.4290	Ave		0.4188				4.2		20.0			
n-Heptane	0.2379 0.2337	0.2638 0.2466	0.2705	0.2598	0.2452	Ave		0.2511				5.5		20.0			
n-Butanol	+++++ 0.1817	0.1162 0.1914	0.1386	0.1654	0.1764	Ave		0.1616				17.8		20.0			
Trichloroethene	0.2109 0.2194	0.2170 0.2244	0.2247	0.2236	0.2211	Ave		0.2202			0.2000	2.3		20.0			
Methylcyclohexane	0.2976 0.3324	0.3344 0.3525	0.3640	0.3325	0.3342	Ave		0.3354			0.1000	6.2		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1 Analy Batch No.: 544533

SDG No.:

Instrument ID: 16334 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/26/2024 14:49 Calibration End Date: 08/26/2024 17:02 Calibration ID: 65228

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2-Dichloropropane	0.1784 0.1933	0.1851 0.2001	0.1928	0.1888	0.1922	Ave		0.1901			0.1000	3.6		20.0			
Methyl methacrylate	+++++ 8.2033	6.4328 8.2389	7.4080	7.5997	7.5829	Ave		7.5776				8.7		20.0			
Dibromomethane	0.0699 0.0868	0.0794 0.0908	0.0861	0.0838	0.0869	Ave		0.0834				8.3		20.0			
1,4-Dioxane	+++++ 0.0543	0.0206 0.0543	0.0288	0.0421	0.0570	Lin	-0.743	0.0551			0.0050				0.9990		0.9900
Bromodichloromethane	0.2076 0.2399	0.2148 0.2499	0.2282	0.2298	0.2356	Ave		0.2294			0.2000	6.3		20.0			
2-Nitropropane	2.3965 2.4602	2.5197 2.3857	2.4979	2.5342	2.4310	Ave		2.4607				2.4		20.0			
1-Bromo-2-chloroethane	0.1479 0.1690	0.1549 0.1789	0.1648	0.1711	0.1688	Ave		0.1651				6.3		20.0			
cis-1,3-Dichloropropene	0.2409 0.2955	0.2560 0.3114	0.2722	0.2793	0.2911	Ave		0.2781			0.2000	8.7		20.0			
4-Methyl-2-pentanone (MIBK)	7.3206 10.268	8.4961 9.7830	9.2994	9.8208	10.014	Ave		9.2859			0.1000	11.2		20.0			
Toluene	0.6996 0.7014	0.6907 0.7152	0.7275	0.7071	0.7080	Ave		0.7071			0.4000	1.7		20.0			
trans-1,3-Dichloropropene	0.2447 0.3035	0.2420 0.3228	0.2660	0.2736	0.2970	Ave		0.2785			0.1000	10.9		20.0			
Ethyl methacrylate	0.1173 0.2009	0.1464 0.2178	0.1597	0.1714	0.1936	Ave		0.1724				20.1	*	20.0			
1,1,2-Trichloroethane	0.1556 0.1611	0.1530 0.1669	0.1632	0.1615	0.1643	Ave		0.1608			0.1000	3.1		20.0			
Tetrachloroethene	0.3281 0.3354	0.3363 0.3405	0.3650	0.3429	0.3392	Ave		0.3410			0.2000	3.4		20.0			
1,3-Dichloropropane	0.2303 0.2753	0.2448 0.2841	0.2692	0.2683	0.2761	Ave		0.2640				7.3		20.0			
2-Hexanone	+++++ 6.6816	3.8123 6.5140	4.9967	5.4922	6.3732	Ave		5.6450			0.1000	19.7		20.0			
Dibromochloromethane	0.1721 0.2198	0.1808 0.2332	0.1974	0.2013	0.2145	Ave		0.2027				10.7		20.0			
1,2-Dibromoethane (EDB)	0.1250 0.1563	0.1339 0.1620	0.1429	0.1440	0.1525	Ave		0.1452			0.1000	8.9		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1 Analy Batch No.: 544533

SDG No.:

Instrument ID: 16334 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/26/2024 14:49 Calibration End Date: 08/26/2024 17:02 Calibration ID: 65228

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1-Chlorohexane	0.4190 0.3729	0.3828 0.3855	0.3962	0.3731	0.3706	Ave		0.3857				4.5		20.0			
Chlorobenzene	0.7805 0.8085	0.7899 0.8325	0.8217	0.8166	0.8168	Ave		0.8095			0.5000	2.3		20.0			
1,1,1,2-Tetrachloroethane	0.2575 0.2906	0.2666 0.2979	0.2839	0.2805	0.2858	Ave		0.2804				5.0		20.0			
Ethylbenzene	1.2744 1.3746	1.3263 1.4240	1.3868	1.3704	1.3739	Ave		1.3615			0.1000	3.5		20.0			
m&p-Xylene	0.5032 0.5461	0.5195 0.5625	0.5478	0.5425	0.5450	Ave		0.5381			0.1000	3.7		20.0			
o-Xylene	0.4923 0.5391	0.5023 0.5593	0.5356	0.5307	0.5423	Ave		0.5288			0.3000	4.4		20.0			
Styrene	0.6759 0.8518	0.6968 0.8968	0.7836	0.7972	0.8357	Ave		0.7911			0.3000	10.2		20.0			
Bromoform	0.0949 0.1227	0.0855 0.1318	0.0995	0.1049	0.1165	Ave		0.1080			0.1000	15.2		20.0			
Isopropylbenzene	1.2470 1.3225	1.2805 1.3618	1.3395	1.2991	1.3238	Ave		1.3106			0.1000	2.9		20.0			
1,1,2,2-Tetrachloroethane	0.2729 0.3288	0.3047 0.3505	0.3139	0.3233	0.3340	Ave		0.3183			0.3000	7.8		20.0			
Bromobenzene	0.5379 0.6023	0.5838 0.6329	0.6109	0.6069	0.6039	Ave		0.5969				5.0		20.0			
trans-1,4-Dichloro-2-butene	3.0193 4.2666	3.5363 4.0526	3.9414	4.1597	4.1804	Ave		3.8795				11.6		20.0			
1,2,3-Trichloropropane	0.0643 0.0897	0.0833 0.0931	0.0862	0.0883	0.0914	Ave		0.0852				11.5		20.0			
N-Propylbenzene	2.5628 2.8385	2.7801 3.0324	2.8890	2.9691	2.8704	Ave		2.8489				5.3		20.0			
2-Chlorotoluene	0.5635 0.6205	0.6186 0.6509	0.6353	0.6431	0.6243	Ave		0.6223				4.6		20.0			
1,3,5-Trimethylbenzene	1.9935 2.1548	2.0673 2.2743	2.1383	2.1435	2.1627	Ave		2.1335				4.1		20.0			
4-Chlorotoluene	0.6057 0.6326	0.6393 0.6672	0.6485	0.6623	0.6529	Ave		0.6441				3.2		20.0			
tert-Butylbenzene	0.4558 0.4998	0.4908 0.5262	0.5128	0.5107	0.5037	Ave		0.5000				4.5		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1 Analy Batch No.: 544533

SDG No.:

Instrument ID: 16334 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/26/2024 14:49 Calibration End Date: 08/26/2024 17:02 Calibration ID: 65228

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								
Pentachloroethane	0.3204 0.3782	0.3203 0.4183	0.3456	0.3843	0.3822	Ave		0.3642				10.1		20.0			
1,2,4-Trimethylbenzene	1.9101 2.2291	2.0408 2.3557	2.1403	2.2237	2.2197	Ave		2.1599				6.8		20.0			
sec-Butylbenzene	2.5761 2.7509	2.6004 2.9047	2.7573	2.8439	2.7556	Ave		2.7413				4.3		20.0			
1,3-Dichlorobenzene	1.1311 1.2393	1.1556 1.3150	1.2431	1.2740	1.2512	Ave		1.2299			0.6000	5.3		20.0			
p-Isopropyltoluene	2.2471 2.4846	2.3518 2.6256	2.4112	2.5089	2.4988	Ave		2.4468				5.0		20.0			
1,4-Dichlorobenzene	1.3239 1.2463	1.3276 1.3044	1.2699	1.3346	1.2723	Ave		1.2970			0.5000	2.6		20.0			
1,2,3-Trimethylbenzene	0.9326 0.9566	0.9840 1.0107	0.9530	0.9823	0.9671	Ave		0.9695				2.6		20.0			
Benzyl chloride	0.0948 0.1509	0.1131 0.1650	0.1235	0.1374	0.1448	Ave		0.1328				18.1		20.0			
n-Butylbenzene	0.9645 1.1659	1.0680 1.2285	1.1532	1.2289	1.1860	Ave		1.1421				8.4		20.0			
1,2-Dichlorobenzene	0.9285 1.0591	1.0552 1.1190	1.1105	1.1196	1.0824	Ave		1.0678			0.4000	6.3		20.0			
1,2-Dibromo-3-Chloropropane	0.0051 0.0633	0.0397 0.0705	0.0511	0.0566	0.0599	Qua	-0.010	0.0598	0.0004437		0.0500				1.0000		0.9900
1,3,5-Trichlorobenzene	0.9202 1.0584	1.0510 1.1372	1.0962	1.1460	1.0802	Ave		1.0699				7.0		20.0			
1,2,4-Trichlorobenzene	0.7098 0.9011	0.8243 0.9645	0.9127	0.9772	0.9151	Ave		0.8864			0.2000	10.4		20.0			
Hexachlorobutadiene	0.4608 0.4481	0.4930 0.4795	0.5234	0.5664	0.4738	Ave		0.4921				8.3		20.0			
Naphthalene	0.8920 1.2176	1.1049 1.3207	1.1406	1.2062	1.2163	Ave		1.1569				11.7		20.0			
1,2,3-Trichlorobenzene	0.7226 0.7155	0.7144 0.7720	0.7342	0.7762	0.7208	Ave		0.7365				3.6		20.0			
Dibromofluoromethane (Surr)	0.2377 0.2408	0.2398 0.2397	0.2389	0.2398	0.2405	Ave		0.2396				0.4		20.0			
1,2-Dichloroethane-d4 (Surr)	0.0444 0.0445	0.0444 0.0447	0.0443	0.0451	0.0442	Ave		0.0445				0.7		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1 Analy Batch No.: 544533

SDG No.:

Instrument ID: 16334 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/26/2024 14:49 Calibration End Date: 08/26/2024 17:02 Calibration ID: 65228

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								
Toluene-d8 (Surr)	1.3214 1.3044	1.3109 1.2890	1.3214	1.3074	1.3065	Ave		1.3087				0.8		20.0			
4-Bromofluorobenzene (Surr)	0.4595 0.4599	0.4580 0.4557	0.4628	0.4598	0.4634	Ave		0.4599				0.6		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC | Job No.: 410-193020-1 | Analy Batch No.: 544533

SDG No.:

Instrument ID: 16334 | GC Column: R-624SilMS ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 08/26/2024 14:49 | Calibration End Date: 08/26/2024 17:02 | Calibration ID: 65228

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-544533/13	GG26X02.D
Level 2	IC 410-544533/14	GG26X03.D
Level 3	IC 410-544533/15	GG26X04.D
Level 4	IC 410-544533/16	GG26X05.D
Level 5	IC 410-544533/17	GG26X06.D
Level 6	ICIS 410-544533/18	GG26X07.D
Level 7	IC 410-544533/19	GG26X08.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	10743 491870	25578 1283245	52585	107967	258582	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Chloromethane	FB	Ave	12106 542982	27016 1347903	55830	119342	262227	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Vinyl chloride	FB	Ave	10687 512063	24784 1302114	50890	110686	260291	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,3-Butadiene	FB	Ave	12404 514558	26576 1307013	53591	105334	259226	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Bromomethane	FB	Ave	8644 402717	18609 1020085	40242	85732	198209	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Chloroethane	FB	Ave	6822 308494	14754 780973	29857	65897	157815	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Dichlorofluoromethane	FB	Ave	20447 862389	42461 2166416	85896	182984	419048	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Trichlorofluoromethane	FB	Ave	15334 711638	34082 1817377	71525	153134	368049	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl ether	FB	Ave	4884 256276	11667 647594	26126	51808	124622	0.200 10.00	0.500 25.0	1.000	2.00	5.00
Freon 123a	FB	Ave	10568 459445	22340 1168047	46915	99250	227812	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Acrolein	TBAd10	Ave	28657 1697610	72195 4548376	151930	318091	812060	10.0 501	25.1 1253	50.1	100	251
1,1-Dichloroethene	FB	Ave	8081 368092	19131 890772	38037	73236	179573	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Acetone	TBAd10	Ave	9584 372573	21163 981766	39650	79392	187574	2.00 100	5.00 250	10.0	20.0	50.0
Freon 113	FB	Ave	6914 391201	20653 979609	41999	77944	189808	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.: 410-193020-1 Analy Batch No.: 544533

SDG No.:

Instrument ID: 16334 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/26/2024 14:49 Calibration End Date: 08/26/2024 17:02 Calibration ID: 65228

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	14615 771774	36857 1897668	77578	153082	372084	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl bromide	FB	Ave	6623 330456	16016 821925	33632	70149	161812	0.200 10.0	0.501 25.0	1.00	2.00	5.01
Carbon disulfide	FB	Ave	25917 1257225	63517 3089433	131772	253600	615181	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Methyl acetate	TBAd10	Ave	2129 97250	6062 262824	9160	20572	48088	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Allyl chloride	FB	Ave	12594 595941	29327 1460599	59390	118859	294435	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Methylene Chloride	FB	Ave	8877 401911	20479 993815	42325	81778	198663	0.200 10.0	0.500 25.0	1.00	2.00	5.00
t-Butyl alcohol	TBAd10	Ave	4270 217228	10175 587562	21731	44002	105696	4.00 200	10.0 500	20.0	40.0	100
Acrylonitrile	TBAd10	Ave	+++++ 146843	4485 370676	12005	25653	68961	+++++ 25.0	1.25 62.5	2.50	5.00	12.5
trans-1,2-Dichloroethene	FB	Ave	8274 437312	21827 1077745	43735	87995	215346	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Methyl tert-butyl ether	FB	Ave	16208 832749	40613 2078100	81388	163231	408299	0.200 10.0	0.500 25.0	1.00	2.00	5.00
n-Hexane	FB	Ave	9343 538296	26725 1357157	57293	109184	264702	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1-Dichloroethane	FB	Ave	14821 761453	35295 1835460	74595	153655	361671	0.200 10.0	0.500 25.0	1.00	2.00	5.00
di-Isopropyl ether	FB	Ave	22485 1224605	55534 3035298	120572	237620	594693	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Chloro-1,3-butadiene	FB	Ave	11490 598931	27594 1502472	59140	115986	291999	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl t-butyl ether	FB	Ave	21236 1126855	51211 2808691	107972	217914	548447	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Butanone (MEK)	TBAd10	Ave	10434 672649	26497 1711723	62136	128914	315765	2.00 100	5.00 250	10.0	20.0	50.0
cis-1,2-Dichloroethene	FB	Ave	9603 489201	22953 1211419	49276	98481	239125	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2,2-Dichloropropane	FB	Ave	13315 657958	32063 1612076	66496	130242	324456	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.: 410-193020-1 Analy Batch No.: 544533

SDG No.:

Instrument ID: 16334 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/26/2024 14:49 Calibration End Date: 08/26/2024 17:02 Calibration ID: 65228

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Propionitrile	TBAd10	Ave	4361 377428	15078 966003	34056	69457	174191	4.00 200	10.0 500	20.0	40.0	100
Methacrylonitrile	TBAd10	Ave	12596 793674	32144 2005427	70500	145573	376667	2.00 100	5.00 250	10.0	20.0	50.0
Bromochloromethane	FB	Ave	3456 201621	9040 491900	19529	39685	98604	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Tetrahydrofuran	TBAd10	Ave	1250 101911	4143 261300	8637	17977	48666	1.00 50.0	2.50 125	5.00	10.0	25.0
Chloroform	FB	Ave	15670 770841	37286 1895780	78438	154969	378227	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1,1-Trichloroethane	FB	Ave	13405 685335	33051 1688502	69690	137082	344125	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Cyclohexane	FB	Ave	11877 641048	33352 1625198	68195	126196	317140	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Carbon tetrachloride	FB	Ave	11527 624282	30398 1564988	63299	124304	304918	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1-Dichloropropene	FB	Ave	11456 587583	27950 1454958	59409	115565	286668	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Isobutyl alcohol	FB	Ave	3427 192495	8996 511218	16926	33793	85435	10.0 500	25.0 1250	50.0	100	250
Benzene	FB	Ave	34628 1756004	85288 4367923	175887	354780	862599	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2-Dichloroethane	FB	Ave	8213 415587	19931 1044306	40967	80543	195113	0.200 10.0	0.500 25.0	1.00	2.00	5.00
t-Amyl methyl ether	FB	Ave	17413 953367	42460 2360637	90032	181133	460343	0.200 10.0	0.500 25.0	1.00	2.00	5.00
n-Heptane	FB	Ave	10413 516332	28277 1312240	58031	113715	263033	0.200 10.0	0.500 25.0	1.00	2.00	5.00
n-Butanol	TBAd10	Ave	+++++ 274545	8252 778484	19612	47511	129411	+++++ 875	43.8 2188	87.5	175	438
Trichloroethene	FB	Ave	9230 484761	23267 1194342	48195	97867	237264	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Methylcyclohexane	FB	Ave	13028 734344	35850 1875846	78086	145513	358549	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2-Dichloropropane	FB	Ave	7811 427078	19842 1064817	41350	82625	206167	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.: 410-193020-1 Analy Batch No.: 544533

SDG No.:

Instrument ID: 16334 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/26/2024 14:49 Calibration End Date: 08/26/2024 17:02 Calibration ID: 65228

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Methyl methacrylate	TBAd10	Ave	+++++ 141644	5223 383054	11982	24945	63561	+++++ 10.0	0.500 25.0	1.00	2.00	5.00
Dibromomethane	FB	Ave	3058 191809	8510 483324	18469	36668	93278	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,4-Dioxane	TBAd10	Lin	+++++ 46842	838 126154	2332	6912	23908	+++++ 500	25.0 1250	50.0	100	250
Bromodichloromethane	FB	Ave	9088 529953	23026 1329931	48946	100559	252776	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Nitropropane	TBAd10	Ave	4058 212395	10229 554604	20201	41591	101885	1.00 50.0	2.50 125	5.00	10.0	25.0
1-Bromo-2-chloroethane	FB	Ave	6476 373343	16611 952249	35360	74890	181131	0.200 10.0	0.500 25.0	1.00	2.00	5.00
cis-1,3-Dichloropropene	FB	Ave	10544 652981	27443 1657298	58395	122229	312379	0.200 10.0	0.500 25.0	1.00	2.00	5.00
4-Methyl-2-pentanone (MIBK)	TBAd10	Ave	24792 1772946	68982 4548437	150413	322354	839360	2.00 100	5.00 250	10.0	20.0	50.0
Toluene	CBZd5	Ave	22831 1173913	55689 2909792	116505	234079	572888	0.200 10.0	0.500 25.0	1.00	2.00	5.00
trans-1,3-Dichloropropene	CBZd5	Ave	7986 507950	19514 1313092	42597	90557	240319	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl methacrylate	CBZd5	Ave	3828 336306	11803 885980	25580	56722	156658	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1,2-Trichloroethane	CBZd5	Ave	5078 269722	12334 679119	26139	53473	132925	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Tetrachloroethene	CBZd5	Ave	10707 561345	27112 1385142	58448	113500	274447	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,3-Dichloropropane	CBZd5	Ave	7517 460729	19739 1155924	43102	88827	223446	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Hexanone	TBAd10	Ave	+++++ 1153695	30953 3028579	80818	180275	534207	+++++ 100	5.00 250	10.0	20.0	50.0
Dibromochloromethane	CBZd5	Ave	5617 367845	14578 948527	31613	66618	173529	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2-Dibromoethane (EDB)	CBZd5	Ave	4080 261655	10794 659001	22884	47658	123406	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1-Chlorohexane	CBZd5	Ave	13674 624081	30867 1568123	63441	123492	299895	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.: 410-193020-1 Analy Batch No.: 544533

SDG No.:

Instrument ID: 16334 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/26/2024 14:49 Calibration End Date: 08/26/2024 17:02 Calibration ID: 65228

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Chlorobenzene	CBZd5	Ave	25472 1353297	63690 3386862	131580	270310	660896	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1,1,2-Tetrachloroethane	CBZd5	Ave	8403 486410	21494 1211871	45463	92852	231243	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethylbenzene	CBZd5	Ave	41592 2300778	106937 5793251	222088	453634	1111749	0.200 10.0	0.500 25.0	1.00	2.00	5.00
m&p-Xylene	CBZd5	Ave	32844 1828170	83770 4576475	175451	359137	881971	0.400 20.0	1.00 50.0	2.00	4.00	10.0
o-Xylene	CBZd5	Ave	16066 902356	40499 2275398	85778	175665	438835	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Styrene	CBZd5	Ave	22058 1425735	56183 3648592	125490	263892	676257	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Bromoform	CBZd5	Ave	3098 205426	6891 536282	15932	34728	94251	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Isopropylbenzene	CBZd5	Ave	40699 2213473	103248 5539942	214503	430021	1071192	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1,2,2-Tetrachloroethane	DCBd4	Ave	5054 309375	13641 781648	28683	59518	151873	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Bromobenzene	DCBd4	Ave	9961 566629	26136 1411253	55824	111720	274620	0.200 10.0	0.500 25.0	1.00	2.00	5.00
trans-1,4-Dichloro-2-butene	TBAd10	Ave	10225 736697	28712 1884192	63750	136535	350407	2.00 100	5.00 250	10.0	20.0	50.0
1,2,3-Trichloropropane	DCBd4	Ave	1191 84369	3730 207659	7880	16254	41573	0.200 10.0	0.500 25.0	1.00	2.00	5.00
N-Propylbenzene	DCBd4	Ave	47462 2670547	124465 6761507	263981	546582	1305350	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Chlorotoluene	DCBd4	Ave	10435 583790	27695 1451423	58054	118394	283920	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,3,5-Trimethylbenzene	DCBd4	Ave	36920 2027283	92554 5071272	195381	394596	983521	0.200 10.0	0.500 25.0	1.00	2.00	5.00
4-Chlorotoluene	DCBd4	Ave	11217 595192	28621 1487742	59255	121923	296933	0.200 10.0	0.500 25.0	1.00	2.00	5.00
tert-Butylbenzene	DCBd4	Ave	8441 470227	21971 1173227	46859	94023	229056	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Pentachloroethane	DCBd4	Ave	5933 355866	14338 932658	31576	70740	173814	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2,4-Trimethylbenzene	DCBd4	Ave	35374 2097201	91367 5252641	195570	409364	1009463	0.200 10.0	0.500 25.0	1.00	2.00	5.00
sec-Butylbenzene	DCBd4	Ave	47709	116419	251950	523539	1253179	0.200	0.500	1.00	2.00	5.00

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GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1 Analy Batch No.: 544533

SDG No.:

Instrument ID: 16334 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/26/2024 14:49 Calibration End Date: 08/26/2024 17:02 Calibration ID: 65228

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
			2588107	6476932				10.0	25.0			
1,3-Dichlorobenzene	DCBd4	Ave	20947 1165983	51735 2932261	113588	234527	569004	0.200 10.0	0.500 25.0	1.00	2.00	5.00
p-Isopropyltoluene	DCBd4	Ave	41616 2337589	105288 5854431	220319	461862	1136376	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,4-Dichlorobenzene	DCBd4	Ave	24519 1172586	59434 2908580	116040	245681	578585	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2,3-Trimethylbenzene	DCBd4	Ave	17271 899967	44055 2253677	87079	180827	439791	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Benzyl chloride	DCBd4	Ave	1755 142004	5064 367918	11284	25291	65854	0.200 10.0	0.500 25.0	1.00	2.00	5.00
n-Butylbenzene	DCBd4	Ave	17862 1096946	47815 2739318	105371	226223	539338	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2-Dichlorobenzene	DCBd4	Ave	17195 996395	47240 2495066	101474	206116	492254	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2-Dibromo-3-Chloropropane	DCBd4	Qua	94 59560	1779 157289	4667	10428	27235	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,3,5-Trichlorobenzene	DCBd4	Ave	17041 995742	47054 2535726	100168	210962	491256	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2,4-Trichlorobenzene	DCBd4	Ave	13145 847736	36904 2150509	83398	179902	416176	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Hexachlorobutadiene	DCBd4	Ave	8534 421568	22070 1069185	47828	104271	215454	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Naphthalene	DCBd4	Ave	16520 1145583	49468 2944821	104224	222055	553157	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2,3-Trichlorobenzene	DCBd4	Ave	13383 673208	31983 1721378	67089	142893	327801	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Dibromofluoromethane (Surr)	FB	Ave	520335 532077	514174 510309	512362	524787	516028	10.0 10.0	10.0 10.0	10.0	10.0	10.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	97191 98215	95242 95175	95000	98751	94857	10.0 10.0	10.0 10.0	10.0	10.0	10.0
Toluene-d8 (Surr)	CBZd5	Ave	2156358 2183196	2113991 2097577	2116106	2163827	2114405	10.0 10.0	10.0 10.0	10.0	10.0	10.0
4-Bromofluorobenzene (Surr)	CBZd5	Ave	749800 769725	738532 741624	741184	761038	749870	10.0 10.0	10.0 10.0	10.0	10.0	10.0

Curve Type Legend:
Ave = Average ISTD
Lin = Linear ISTD
Qua = Quadratic ISTD

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1 Analy Batch No.: 544533

SDG No.:

Instrument ID: 16334 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/26/2024 14:49 Calibration End Date: 08/26/2024 17:02 Calibration ID: 65228

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-544533/13	GG26X02.D
Level 2	IC 410-544533/14	GG26X03.D
Level 3	IC 410-544533/15	GG26X04.D
Level 4	IC 410-544533/16	GG26X05.D
Level 5	IC 410-544533/17	GG26X06.D
Level 6	ICIS 410-544533/18	GG26X07.D
Level 7	IC 410-544533/19	GG26X08.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	2.2 0.4	-0.6	2.1	2.7	0.4	-7.3	50 30	30	30	30	30	30
Chloromethane	7.3 -1.8	-2.3	0.9	5.7	-5.2	-4.7	50 30	30	30	30	30	30
Vinyl chloride	1.5 1.7	-3.9	-1.4	5.1	0.8	-3.7	50 30	30	30	30	30	30
1,3-Butadiene	13.9 -1.3	-0.4	0.4	-3.3	-2.9	-6.4	50 30	30	30	30	30	30
Bromomethane	5.3 2.2	-7.5	0.0	4.4	-1.5	-2.8	50 30	30	30	30	30	30
Chloroethane	7.3 1.0	-5.2	-4.2	3.7	1.3	-3.9	50 30	30	30	30	30	30
Dichlorofluoromethane	13.9 -0.7	-3.4	-2.3	2.0	-4.7	-4.8	50 30	30	30	30	30	30
Trichlorofluoromethane	4.0 1.4	-5.6	-1.0	3.9	1.8	-4.4	50 30	30	30	30	30	30
Ethyl ether	-4.1 4.6	-6.5	4.7	1.7	-0.2	-0.3	50 30	30	30	30	30	30
Freon 123a	10.1 0.1	-5.0	-0.3	3.4	-3.2	-5.2	50 30	30	30	30	30	30
Acrolein	-9.9 4.2	-5.3	0.0	3.2	3.2	4.7	50 30	30	30	30	30	30
1,1-Dichloroethene	6.9 -3.1	3.3	2.7	-3.1	-3.1	-3.5	50 30	30	30	30	30	30
Acetone	17.8 -12.1	8.5	2.1	0.7	-6.8	-10.2	50 30	30	30	30	30	30
Freon 113	-12.4 2.1	6.8	8.6	-1.3	-1.9	-1.8	50 30	30	30	30	30	30
Methyl iodide	-4.3 2.2	-1.4	3.7	0.3	-0.6	0.1	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1 Analy Batch No.: 544533

SDG No.:

Instrument ID: 16334 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/26/2024 14:49 Calibration End Date: 08/26/2024 17:02 Calibration ID: 65228

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	-1.3 0.8	-2.5	2.3	4.6	-1.6	-2.4	50 30	30	30	30	30	30
Carbon disulfide	1.1 -0.9	1.1	4.9	-1.1	-2.1	-2.9	50 30	30	30	30	30	30
Methyl acetate	3.0 -7.3	22.4	-7.2	2.7	-6.0	-7.7	50 30	30	30	30	30	30
Allyl chloride	4.4 -0.4	-0.7	0.5	-1.4	-0.4	-2.1	50 30	30	30	30	30	30
Methylene Chloride	6.6 -1.9	0.4	3.7	-1.8	-2.7	-4.4	50 30	30	30	30	30	30
t-Butyl alcohol	-1.7 -1.5	-2.3	4.7	4.5	-1.7	-1.9	50 30	30	30	30	30	30
Acrylonitrile	+++++ 5.2	-27.1	-2.1	3.1	8.6	12.2	 30	50	30	30	30	30
trans-1,2-Dichloroethene	-5.4 1.3	1.9	2.0	0.6	0.4	-0.9	50 30	30	30	30	30	30
Methyl tert-butyl ether	-2.2 3.2	0.1	0.2	-1.5	0.5	-0.4	50 30	30	30	30	30	30
n-Hexane	-13.4 3.5	1.2	8.4	1.3	0.1	-1.1	50 30	30	30	30	30	30
1,1-Dichloroethane	-1.0 0.9	-3.7	1.7	2.7	-1.4	0.8	50 30	30	30	30	30	30
di-Isopropyl ether	-5.8 4.6	-5.0	3.1	-0.4	1.7	1.7	50 30	30	30	30	30	30
2-Chloro-1,3-butadiene	-2.6 4.8	-4.5	2.3	-1.6	1.0	0.6	50 30	30	30	30	30	30
Ethyl t-butyl ether	-3.3 5.2	-4.8	0.3	-0.8	1.9	1.6	50 30	30	30	30	30	30
2-Butanone (MEK)	-15.3 1.2	-10.3	5.6	8.0	3.6	7.1	50 30	30	30	30	30	30
cis-1,2-Dichloroethene	-1.6 2.1	-3.9	3.1	1.0	0.0	-0.7	50 30	30	30	30	30	30
2,2-Dichloropropane	0.7 0.3	-1.0	2.7	-1.5	0.1	-1.4	50 30	30	30	30	30	30
Propionitrile	-34.2 6.1	-5.2	7.5	8.1	6.1	11.6	50 30	30	30	30	30	30
Methacrylonitrile	-12.9 1.1	-7.2	2.1	3.9	5.3	7.7	50 30	30	30	30	30	30
Bromochloromethane	-10.9 4.3	-4.9	2.7	2.3	3.7	2.9	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1 Analy Batch No.: 544533

SDG No.:

Instrument ID: 16334 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/26/2024 14:49 Calibration End Date: 08/26/2024 17:02 Calibration ID: 65228

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	-30.1 6.5	-3.3	1.2	3.8	10.0	11.8	50 30	30	30	30	30	30
Chloroform	0.9 0.4	-2.0	3.1	-0.2	-0.6	-1.6	50 30	30	30	30	30	30
1,1,1-Trichloroethane	-2.6 0.9	-1.9	3.3	-0.4	2.0	-1.3	50 30	30	30	30	30	30
Cyclohexane	-8.7 2.8	4.7	7.0	-3.0	-0.5	-2.3	50 30	30	30	30	30	30
Carbon tetrachloride	-7.2 3.6	-0.1	4.0	0.1	0.1	-0.4	50 30	30	30	30	30	30
1,1-Dichloropropene	-2.0 2.3	-2.4	3.7	-1.2	0.0	-0.4	50 30	30	30	30	30	30
Isobutyl alcohol	-5.7 15.7	1.1	-5.0	-7.0	-4.1	4.9	50 30	30	30	30	30	30
Benzene	-1.8 1.9	-1.2	1.8	0.7	-0.2	-1.3	50 30	30	30	30	30	30
1,2-Dichloroethane	-0.1 4.5	-1.0	1.7	-2.0	-3.2	0.2	50 30	30	30	30	30	30
t-Amyl methyl ether	-5.0 5.9	-5.4	0.2	-1.2	2.4	3.0	50 30	30	30	30	30	30
n-Heptane	-5.2 -1.8	5.1	7.8	3.5	-2.4	-6.9	50 30	30	30	30	30	30
n-Butanol	+++++ 18.4	-28.1	-14.3	2.4	9.2	12.4	 30	50	30	30	30	30
Trichloroethene	-4.2 1.9	-1.4	2.1	1.6	0.4	-0.3	50 30	30	30	30	30	30
Methylcyclohexane	-11.3 5.1	-0.3	8.6	-0.9	-0.4	-0.9	50 30	30	30	30	30	30
1,2-Dichloropropane	-6.1 5.3	-2.6	1.4	-0.7	1.1	1.7	50 30	30	30	30	30	30
Methyl methacrylate	+++++ 8.7	-15.1	-2.2	0.3	0.1	8.3	 30	50	30	30	30	30
Dibromomethane	-16.2 8.9	-4.8	3.3	0.5	4.3	4.1	50 30	30	30	30	30	30
1,4-Dioxane	+++++ -0.4	-8.6	-20.7	-10.1	8.9	1.2	 30	50	30	30	30	30
Bromodichloromethane	-9.5 8.9	-6.4	-0.5	0.2	2.7	4.6	50 30	30	30	30	30	30
2-Nitropropane	-2.6 -3.0	2.4	1.5	3.0	-1.2	0.0	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1 Analy Batch No.: 544533

SDG No.:

Instrument ID: 16334 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/26/2024 14:49 Calibration End Date: 08/26/2024 17:02 Calibration ID: 65228

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	-10.4 8.4	-6.1	-0.1	3.7	2.3	2.4	50 30	30	30	30	30	30
cis-1,3-Dichloropropene	-13.4 12.0	-7.9	-2.1	0.4	4.7	6.3	50 30	30	30	30	30	30
4-Methyl-2-pentanone (MIBK)	-21.2 5.4	-8.5	0.1	5.8	7.8	10.6	50 30	30	30	30	30	30
Toluene	-1.1 1.2	-2.3	2.9	0.0	0.1	-0.8	50 30	30	30	30	30	30
trans-1,3-Dichloropropene	-12.1 15.9	-13.1	-4.5	-1.8	6.6	9.0	50 30	30	30	30	30	30
Ethyl methacrylate	-32.0 26.3	-15.1	-7.4	-0.6	12.3	16.5	50 30	30	30	30	30	30
1,1,2-Trichloroethane	-3.2 3.8	-4.9	1.5	0.5	2.2	0.2	50 30	30	30	30	30	30
Tetrachloroethene	-3.8 -0.2	-1.4	7.0	0.5	-0.5	-1.7	50 30	30	30	30	30	30
1,3-Dichloropropane	-12.8 7.6	-7.3	1.9	1.6	4.6	4.3	50 30	30	30	30	30	30
2-Hexanone	+++++ 15.4	-32.5	-11.5	-2.7	12.9	18.4	 30	50	30	30	30	30
Dibromochloromethane	-15.1 15.0	-10.8	-2.6	-0.7	5.8	8.4	50 30	30	30	30	30	30
1,2-Dibromoethane (EDB)	-13.9 11.5	-7.8	-1.6	-0.9	5.0	7.6	50 30	30	30	30	30	30
1-Chlorohexane	8.6 -0.1	-0.7	2.7	-3.3	-3.9	-3.3	50 30	30	30	30	30	30
Chlorobenzene	-3.6 2.8	-2.4	1.5	0.9	0.9	-0.1	50 30	30	30	30	30	30
1,1,1,2-Tetrachloroethane	-8.2 6.2	-4.9	1.3	0.0	1.9	3.6	50 30	30	30	30	30	30
Ethylbenzene	-6.4 4.6	-2.6	1.9	0.7	0.9	1.0	50 30	30	30	30	30	30
m&p-Xylene	-6.5 4.5	-3.5	1.8	0.8	1.3	1.5	50 30	30	30	30	30	30
o-Xylene	-6.9 5.8	-5.0	1.3	0.4	2.6	2.0	50 30	30	30	30	30	30
Styrene	-14.6 13.4	-11.9	-0.9	0.8	5.6	7.7	50 30	30	30	30	30	30
Bromoform	-12.1 22.1	-20.8	-7.9	-2.8	7.9	13.7	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1 Analy Batch No.: 544533

SDG No.:

Instrument ID: 16334 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/26/2024 14:49 Calibration End Date: 08/26/2024 17:02 Calibration ID: 65228

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Isopropylbenzene	-4.8 3.9	-2.3	2.2	-0.9	1.0	0.9	50 30	30	30	30	30	30
1,1,2,2-Tetrachloroethane	-14.3 10.1	-4.3	-1.4	1.6	4.9	3.3	50 30	30	30	30	30	30
Bromobenzene	-9.9 6.0	-2.2	2.3	1.7	1.2	0.9	50 30	30	30	30	30	30
trans-1,4-Dichloro-2-butene	-22.2 4.5	-8.8	1.6	7.2	7.8	10.0	50 30	30	30	30	30	30
1,2,3-Trichloropropane	-24.5 9.3	-2.2	1.2	3.6	7.3	5.3	50 30	30	30	30	30	30
N-Propylbenzene	-10.0 6.4	-2.4	1.4	4.2	0.8	-0.4	50 30	30	30	30	30	30
2-Chlorotoluene	-9.5 4.6	-0.6	2.1	3.3	0.3	-0.3	50 30	30	30	30	30	30
1,3,5-Trimethylbenzene	-6.6 6.6	-3.1	0.2	0.5	1.4	1.0	50 30	30	30	30	30	30
4-Chlorotoluene	-6.0 3.6	-0.7	0.7	2.8	1.4	-1.8	50 30	30	30	30	30	30
tert-Butylbenzene	-8.8 5.2	-1.8	2.6	2.2	0.7	0.0	50 30	30	30	30	30	30
Pentachloroethane	-12.0 14.9	-12.1	-5.1	5.5	5.0	3.9	50 30	30	30	30	30	30
1,2,4-Trimethylbenzene	-11.6 9.1	-5.5	-0.9	3.0	2.8	3.2	50 30	30	30	30	30	30
sec-Butylbenzene	-6.0 6.0	-5.1	0.6	3.7	0.5	0.4	50 30	30	30	30	30	30
1,3-Dichlorobenzene	-8.0 6.9	-6.0	1.1	3.6	1.7	0.8	50 30	30	30	30	30	30
p-Isopropyltoluene	-8.2 7.3	-3.9	-1.5	2.5	2.1	1.5	50 30	30	30	30	30	30
1,4-Dichlorobenzene	2.1 0.6	2.4	-2.1	2.9	-1.9	-3.9	50 30	30	30	30	30	30
1,2,3-Trimethylbenzene	-3.8 4.3	1.5	-1.7	1.3	-0.2	-1.3	50 30	30	30	30	30	30
Benzyl chloride	-28.6 24.3	-14.8	-7.0	3.5	9.1	13.7	50 30	30	30	30	30	30
n-Butylbenzene	-15.6 7.6	-6.5	1.0	7.6	3.8	2.1	50 30	30	30	30	30	30
1,2-Dichlorobenzene	-13.0 4.8	-1.2	4.0	4.9	1.4	-0.8	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1 Analy Batch No.: 544533

SDG No.:

Instrument ID: 16334 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/26/2024 14:49 Calibration End Date: 08/26/2024 17:02 Calibration ID: 65228

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	-9.3 0.0	-1.0	1.1	1.4	-0.3	0.0	50 30	30	30	30	30	30
1,3,5-Trichlorobenzene	-14.0 6.3	-1.8	2.5	7.1	1.0	-1.1	50 30	30	30	30	30	30
1,2,4-Trichlorobenzene	-19.9 8.8	-7.0	3.0	10.3	3.2	1.7	50 30	30	30	30	30	30
Hexachlorobutadiene	-6.4 -2.6	0.2	6.4	15.1	-3.7	-9.0	50 30	30	30	30	30	30
Naphthalene	-22.9 14.2	-4.5	-1.4	4.3	5.1	5.2	50 30	30	30	30	30	30
1,2,3-Trichlorobenzene	-1.9 4.8	-3.0	-0.3	5.4	-2.1	-2.9	50 30	30	30	30	30	30
Dibromofluoromethane (Surr)	-0.8 0.0	0.1	-0.3	0.1	0.4	0.5	50 30	30	30	30	30	30
1,2-Dichloroethane-d4 (Surr)	-0.2 0.4	-0.2	-0.5	1.4	-0.7	-0.1	50 30	30	30	30	30	30
Toluene-d8 (Surr)	1.0 -1.5	0.2	1.0	-0.1	-0.2	-0.3	50 30	30	30	30	30	30
4-Bromofluorobenzene (Surr)	-0.1 -0.9	-0.4	0.6	0.0	0.8	0.0	50 30	30	30	30	30	30

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20240826-123245.b\GG26X02.D
Lims ID: IC std1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 26-Aug-2024 14:49:30 ALS Bottle#: 2 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0123245-003
Misc. Info.: IC STD1
Operator ID: knk41612 Instrument ID: 16334
Sublist: chrom-MSV_16334_25mL*sub4

Method: \\chromfs\Lancaster\ChromData\16334\20240826-123245.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 29-Aug-2024 10:39:04 Calib Date: 26-Aug-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\16334\20240826-123245.b\GG26X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1615

First Level Reviewer: DVW2 Date: 26-Aug-2024 15:59:47

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.824	1.831	-0.007	95	10743	0.2000	0.2045	
5 Chloromethane	50	2.013	2.020	-0.007	99	12106	0.2000	0.2145	
6 Vinyl chloride	62	2.117	2.123	-0.006	86	10687	0.2000	0.2029	
7 Butadiene	39	2.117	2.135	-0.018	88	12404	0.2000	0.2278	
9 Bromomethane	94	2.428	2.440	-0.012	92	8644	0.2000	0.2105	
10 Chloroethane	64	2.495	2.501	-0.006	96	6822	0.2000	0.2146	
11 Dichlorofluoromethane	67	2.733	2.733	0.000	96	20447	0.2000	0.2279	
12 Trichlorofluoromethane	101	2.788	2.794	-0.006	54	15334	0.2000	0.2080	
13 Ethyl ether	59	2.995	3.007	-0.012	70	4884	0.2000	0.1918	M
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.086	3.093	-0.007	88	10568	0.2000	0.2202	M
17 Acrolein	56	3.160	3.160	0.000	95	28657	10.0	9.03	
18 1,1-Dichloroethene	96	3.275	3.288	-0.013	94	8081	0.2000	0.2138	
19 Acetone	43	3.336	3.324	0.012	83	9584	2.00	2.36	M
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.324	3.330	-0.006	86	6914	0.2000	0.1752	
22 Iodomethane	142	3.458	3.464	-0.006	99	14615	0.2000	0.1914	
23 Ethyl bromide	108	3.477	3.489	-0.012	91	6623	0.2003	0.1978	
21 Isopropyl alcohol	45	3.489	3.495	-0.006	1	952	4.00	1.83	M
24 Carbon disulfide	76	3.556	3.562	-0.006	98	25917	0.2000	0.2021	
25 Methyl acetate	43	3.733	3.708	0.025	26	2129	0.2000	0.2061	M
27 3-Chloro-1-propene	41	3.714	3.720	-0.006	90	12594	0.2000	0.2089	
29 Methylene Chloride	84	3.885	3.891	-0.006	87	8877	0.2000	0.2132	
* 30 t-Butyl alcohol-d10 (IS)	65	3.916	3.922	-0.006	95	84665	50.0	50.0	
31 2-Methyl-2-propanol	59	4.037	4.037	0.000	6	4270	4.00	3.93	
32 Acrylonitrile	53	4.275	4.214	0.061	23	1163	0.5000	0.2266	
34 trans-1,2-Dichloroethene	96	4.269	4.275	-0.006	99	8274	0.2000	0.1892	
33 Methyl tert-butyl ether	73	4.281	4.281	0.000	69	16208	0.2000	0.1957	
35 Hexane	57	4.696	4.702	-0.006	94	9343	0.2000	0.1733	
37 1,1-Dichloroethane	63	4.928	4.934	-0.006	93	14821	0.2000	0.1981	
38 Isopropyl ether	45	5.007	5.007	0.000	93	22485	0.2000	0.1885	
39 2-Chloro-1,3-butadiene	53	5.056	5.049	0.007	89	11490	0.2000	0.1948	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	5.543	5.549	-0.006	96	21236	0.2000	0.1933	
41 2-Butanone (MEK)	43	5.793	5.769	0.024	47	10434	2.00	1.69	M
42 cis-1,2-Dichloroethene	96	5.775	5.781	-0.006	80	9603	0.2000	0.1969	
43 2,2-Dichloropropane	77	5.787	5.793	-0.006	59	13315	0.2000	0.2015	
45 Propionitrile	54	5.885	5.854	0.031	1	4361	4.00	2.63	
48 Methacrylonitrile	67	6.074	6.068	0.006	88	12596	2.00	1.74	
49 Chlorobromomethane	128	6.110	6.110	0.000	87	3456	0.2000	0.1781	
50 Tetrahydrofuran	71	6.141	6.147	-0.006	36	1250	1.00	0.6995	
S 47 1,2-Dichloroethene, Total	100				0			0.3861	
51 Chloroform	83	6.269	6.269	0.000	93	15670	0.2000	0.2018	
$ 52 Dibromofluoromethane (Surr)	113	6.482	6.488	-0.006	94	520335	10.0	9.92	
53 1,1,1-Trichloroethane	97	6.488	6.494	-0.006	40	13405	0.2000	0.1948	
54 Cyclohexane	56	6.592	6.592	0.000	90	11877	0.2000	0.1826	
55 Carbon tetrachloride	117	6.714	6.708	0.006	91	11527	0.2000	0.1856	M
56 1,1-Dichloropropene	75	6.714	6.714	0.000	93	11456	0.2000	0.1959	
58 Isobutyl alcohol	41	6.933	6.909	0.024	31	3427	10.0	9.43	M
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.939	6.945	-0.006	65	97191	10.0	9.98	
60 Benzene	78	6.976	6.976	0.000	95	34628	0.2000	0.1965	
61 1,2-Dichloroethane	62	7.043	7.049	-0.006	91	8213	0.2000	0.1998	
63 Tert-amyl methyl ether	73	7.177	7.183	-0.006	97	17413	0.2000	0.1900	
* 64 Fluorobenzene (IS)	96	7.384	7.390	-0.006	99	2188649	10.0	10.0	
65 n-Heptane	43	7.409	7.409	0.000	36	10413	0.2000	0.1895	
67 n-Butanol	56	7.927	7.805	0.122	1	1018	17.5	3.72	M
68 Trichloroethene	95	7.872	7.872	0.000	96	9230	0.2000	0.1916	
69 Methylcyclohexane	83	8.177	8.171	0.006	90	13028	0.2000	0.1775	
70 1,2-Dichloropropane	63	8.201	8.195	0.006	90	7811	0.2000	0.1878	
71 2-ethoxy-2-methyl butane	87	8.220	8.226	-0.006	93	12567	0.2000	0.1897	
72 Methyl methacrylate	69	8.323	8.305	0.018	0	1336	0.2000	0.1041	M
73 1,4-Dioxane	88		8.305				ND	ND	
74 Dibromomethane	93	8.323	8.311	0.012	76	3058	0.2000	0.1676	M
76 Dichlorobromomethane	83	8.555	8.555	0.000	97	9088	0.2000	0.1810	
77 2-Nitropropane	41	8.841	8.829	0.012	96	4058	1.00	0.9739	M
79 1-Bromo-2-chloroethane	63	8.951	8.945	0.006	95	6476	0.2000	0.1792	
81 cis-1,3-Dichloropropene	75	9.134	9.116	0.018	96	10544	0.2000	0.1733	
82 4-Methyl-2-pentanone (MIBK)	43	9.317	9.311	0.006	95	24792	2.00	1.58	
$ 83 Toluene-d8 (Surr)	98	9.433	9.439	-0.006	93	2156358	10.0	10.1	
84 Toluene	92	9.518	9.518	0.000	98	22831	0.2000	0.1979	
85 trans-1,3-Dichloropropene	75	9.805	9.792	0.013	91	7986	0.2000	0.1757	
86 Ethyl methacrylate	69	9.902	9.866	0.036	80	3828	0.2000	0.1360	M
107 1,1,2-Trichloroethane	97	10.006	10.000	0.006	87	5078	0.2000	0.1935	
S 106 1,3-Dichloropropene, Total	100				0			0.3490	
108 Tetrachloroethene	166	10.091	10.091	0.000	95	10707	0.2000	0.1924	
109 1,3-Dichloropropane	76	10.177	10.164	0.013	90	7517	0.2000	0.1745	
110 2-Hexanone	43	10.305	10.237	0.068	96	8919	2.00	0.9331	M
112 Chlorodibromomethane	129	10.390	10.384	0.006	91	5617	0.2000	0.1698	
113 Ethylene Dibromide	107	10.512	10.494	0.018	98	4080	0.2000	0.1722	
* 114 Chlorobenzene-d5 (IS)	117	10.939	10.939	0.000	84	1631829	10.0	10.0	
115 1-Chlorohexane	91	10.957	10.951	0.006	43	13674	0.2000	0.2173	
116 Chlorobenzene	112	10.969	10.963	0.006	91	25472	0.2000	0.1928	
117 1,1,1,2-Tetrachloroethane	131	11.048	11.048	0.000	90	8403	0.2000	0.1837	
118 Ethylbenzene	91	11.060	11.054	0.006	98	41592	0.2000	0.1872	
120 m-Xylene & p-Xylene	106	11.176	11.170	0.006	99	32844	0.4000	0.3741	

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			0.5602	
121 o-Xylene	106	11.512	11.506	0.006	96	16066	0.2000	0.1862	
122 Styrene	104	11.554	11.524	0.030	93	22058	0.2000	0.1709	Ma
123 Bromoform	173	11.688	11.676	0.012	93	3098	0.2000	0.1758	
124 Isopropylbenzene	105	11.810	11.810	0.000	95	40699	0.2000	0.1903	
$ 127 4-Bromofluorobenzene (Surr)	95	11.951	11.951	0.000	94	749800	10.0	10.0	
128 1,1,2,2-Tetrachloroethane	83	12.066	12.060	0.006	68	5054	0.2000	0.1715	Ma
129 Bromobenzene	156	12.066	12.066	0.000	87	9961	0.2000	0.1802	
130 trans-1,4-Dichloro-2-butene	53	12.097	12.085	0.012	80	10225	2.00	1.56	M
131 1,2,3-Trichloropropane	110	12.115	12.103	0.012	77	1191	0.2000	0.1510	
132 N-Propylbenzene	91	12.146	12.140	0.006	99	47462	0.2000	0.1799	
133 2-Chlorotoluene	126	12.219	12.213	0.006	97	10435	0.2000	0.1811	
134 1,3,5-Trimethylbenzene	105	12.280	12.280	0.000	94	36920	0.2000	0.1869	
135 4-Chlorotoluene	126	12.322	12.304	0.018	94	11217	0.2000	0.1881	
136 tert-Butylbenzene	134	12.518	12.518	0.000	93	8441	0.2000	0.1823	
137 Pentachloroethane	167	12.548	12.548	0.000	84	5933	0.2000	0.1759	
138 1,2,4-Trimethylbenzene	105	12.566	12.560	0.006	96	35374	0.2000	0.1769	
139 sec-Butylbenzene	105	12.682	12.682	0.000	94	47709	0.2000	0.1879	
140 1,3-Dichlorobenzene	146	12.786	12.780	0.006	96	20947	0.2000	0.1839	
141 4-Isopropyltoluene	119	12.792	12.792	0.000	97	41616	0.2000	0.1837	
* 142 1,4-Dichlorobenzene-d4	152	12.835	12.835	0.000	94	925988	10.0	10.0	
143 1,4-Dichlorobenzene	146	12.853	12.853	0.000	92	24519	0.2000	0.2042	
144 1,2,3-Trimethylbenzene	120	12.865	12.865	0.000	94	17271	0.2000	0.1924	
145 Benzyl chloride	126	12.950	12.932	0.018	95	1755	0.2000	0.1427	M
146 p-Diethylbenzene	119	13.066	13.060	0.006	94	23498	0.2000	0.1703	
147 n-Butylbenzene	92	13.091	13.078	0.013	96	17862	0.2000	0.1689	M
148 1,2-Dichlorobenzene	146	13.127	13.109	0.018	98	17195	0.2000	0.1739	
150 1,2-Dibromo-3-Chloropropane	155	13.688	13.651	0.037	0	94	0.2000	0.1813	M
151 1,3,5-Trichlorobenzene	180	13.798	13.773	0.025	96	17041	0.2000	0.1720	
152 1,2,4-Trichlorobenzene	180	14.231	14.194	0.037	92	13145	0.2000	0.1602	
153 Hexachlorobutadiene	225	14.279	14.279	0.000	96	8534	0.2000	0.1873	
154 Naphthalene	128	14.407	14.371	0.036	95	16520	0.2000	0.1542	
155 1,2,3-Trichlorobenzene	180	14.535	14.517	0.018	94	13383	0.2000	0.1962	
156 2-Methylnaphthalene	142	15.176	15.108	0.068	88	9195	0.2000	0.1597	M
167 Pentane	43	2.800	2.806	-0.006	96	12318	NR	NR	

QC Flag Legend

Processing Flags
- NR - Missing Quant Standard
- ND - Not Detected or Marked ND

Review Flags
- M - Manually Integrated
- a - User Assigned ID

Reagents:

MSV_LL_#1_826_00143	Amount Added:	2.00	Units: uL	
MSV_LL_GAS826_00229	Amount Added:	2.00	Units: uL	
MSV_LL_#2_826_00149	Amount Added:	2.00	Units: uL	
MSV_HP25_ISSS_00094	Amount Added:	1.00	Units: uL	Run Reagent

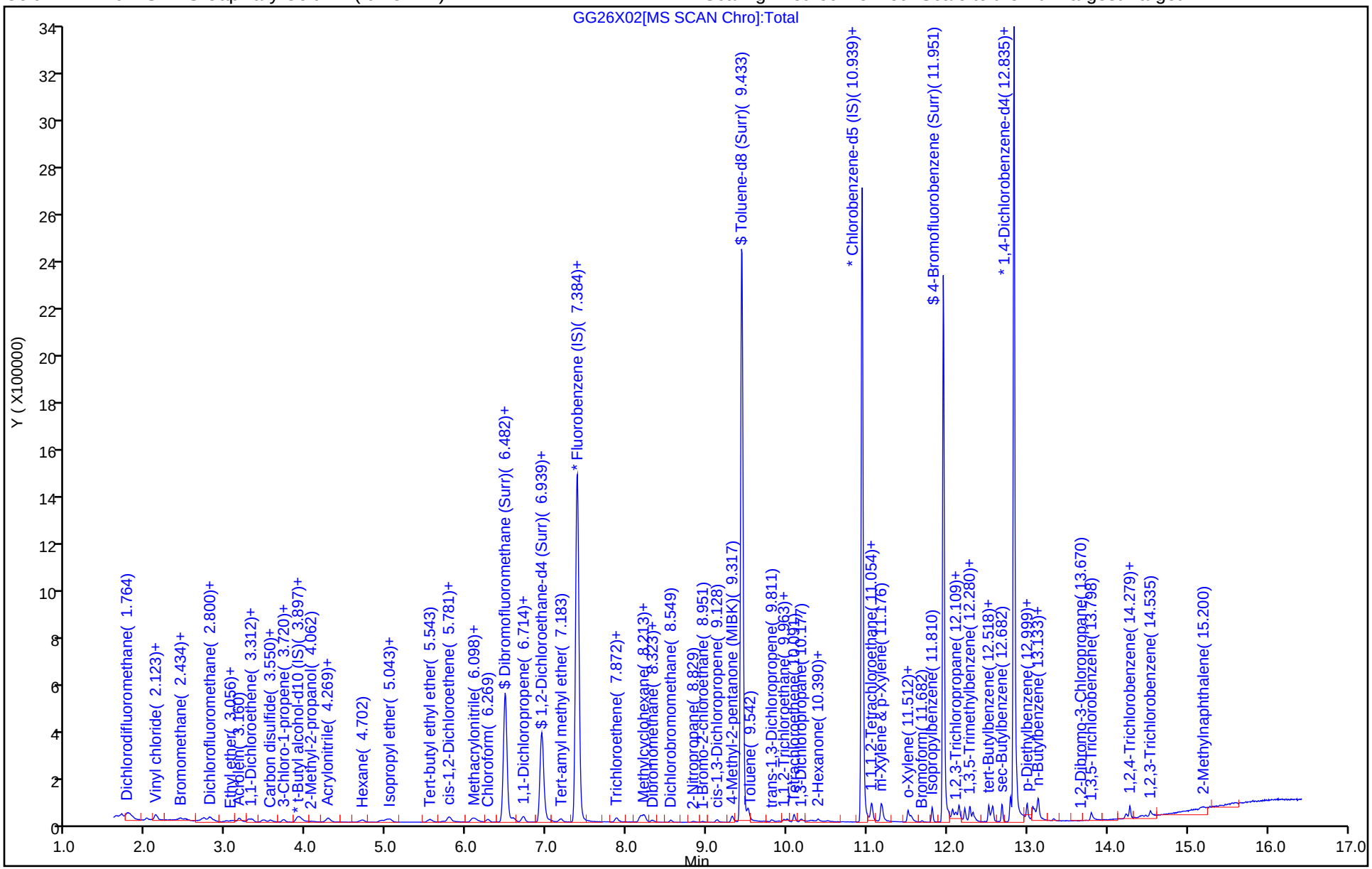
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Eurofins Lancaster Laboratories Environment Testing, LLC

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Injection Date:	26-Aug-2024 14:49:30	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



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

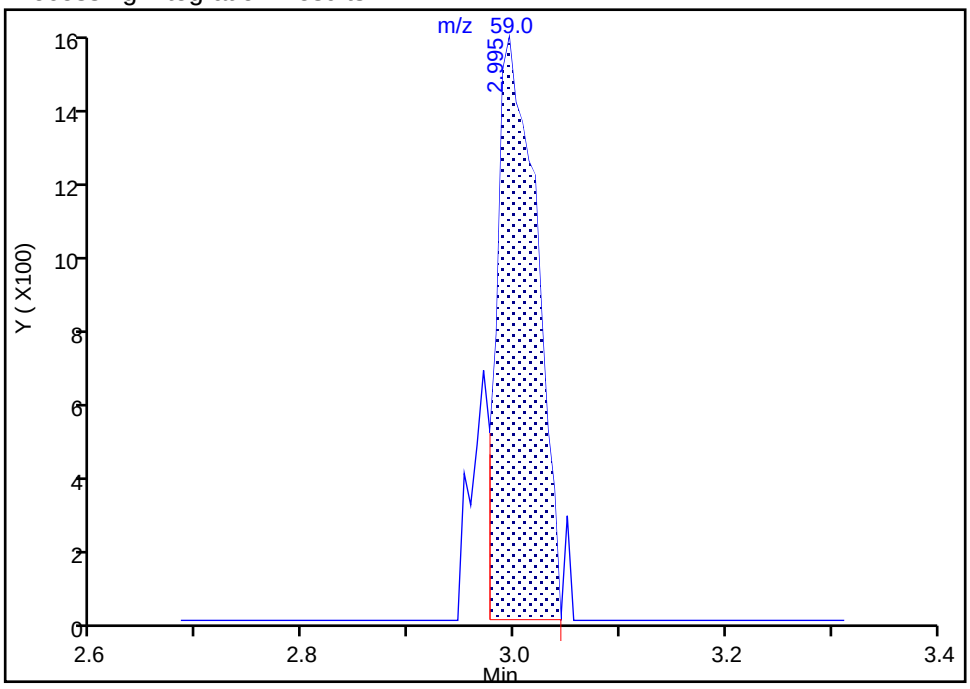
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Lims ID: IC std1
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

13 Ethyl ether, CAS: 60-29-7

Signal: 1

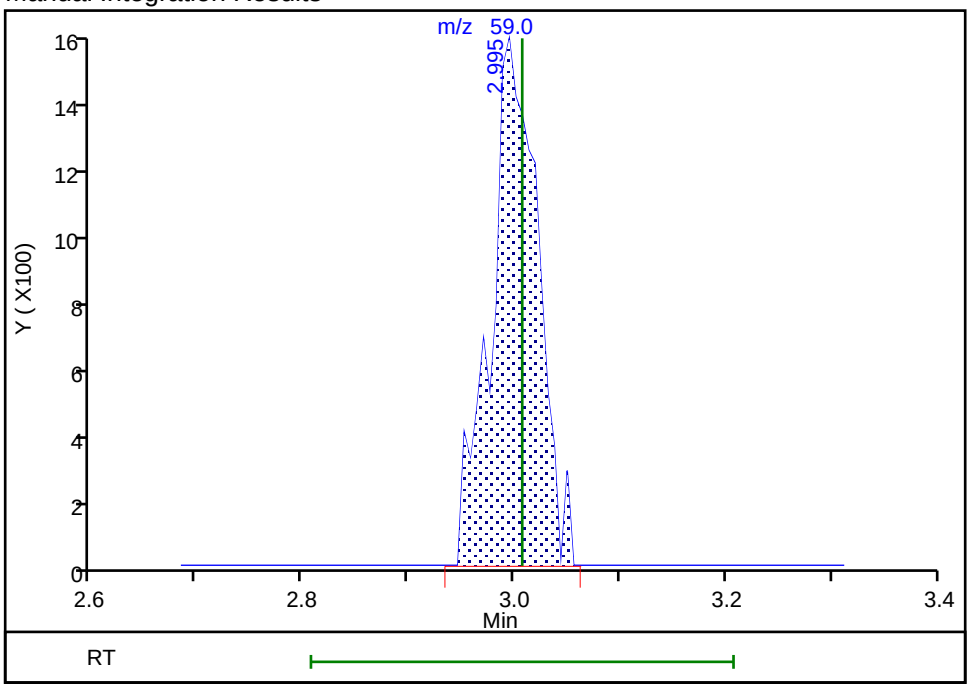
Processing Integration Results

RT: 2.99
Area: 4101
Amount: 0.164657
Amount Units: ug/l



Manual Integration Results

RT: 2.99
Area: 4884
Amount: 0.191787
Amount Units: ug/l



Reviewer: JS6E, 26-Aug-2024 23:31:52 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

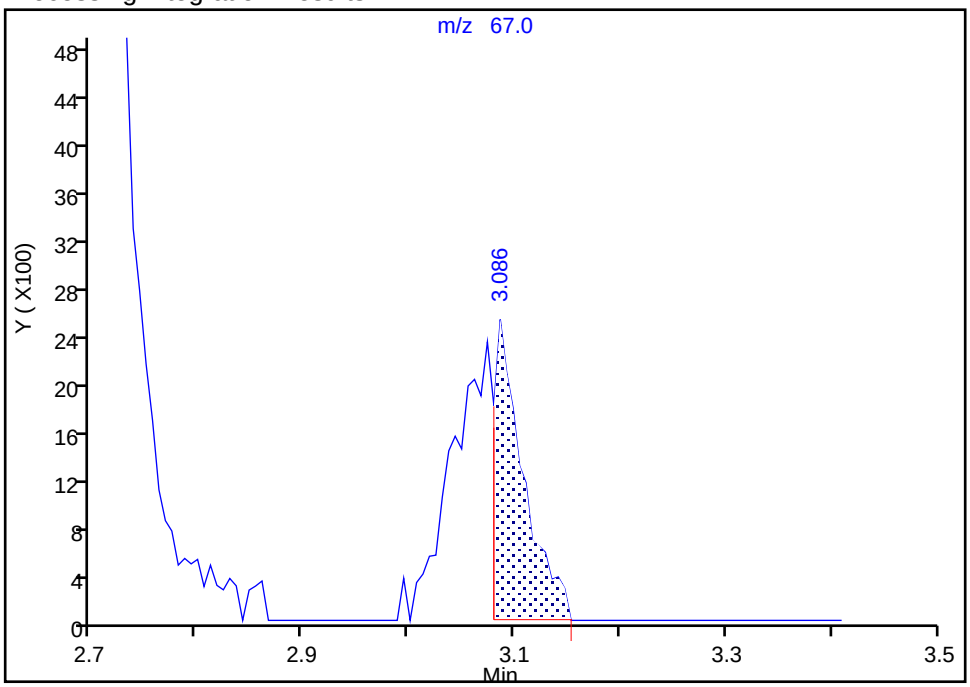
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Lims ID: IC std1
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

16 1,2-Dichloro-1,1,2-trifluoroetha, CAS: 354-23-4

Signal: 1

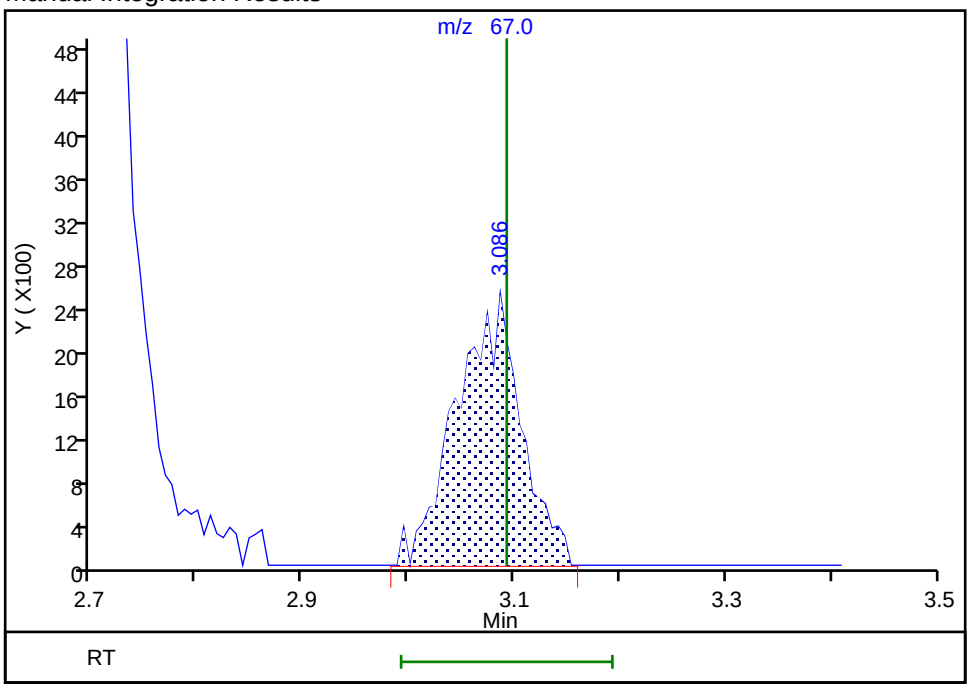
Processing Integration Results

RT: 3.09
Area: 4864
Amount: 0.110745
Amount Units: ug/l



Manual Integration Results

RT: 3.09
Area: 10568
Amount: 0.220190
Amount Units: ug/l



Reviewer: JS6E, 26-Aug-2024 23:31:57 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

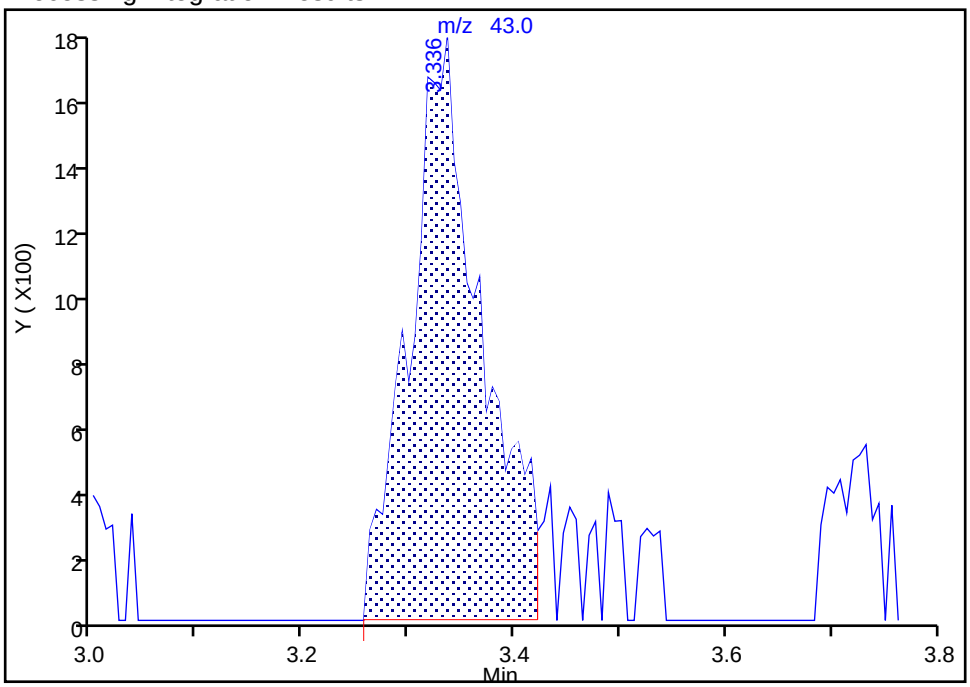
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Lims ID:	IC std1				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	2	Worklist Smp#:	13
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

19 Acetone, CAS: 67-64-1

Signal: 1

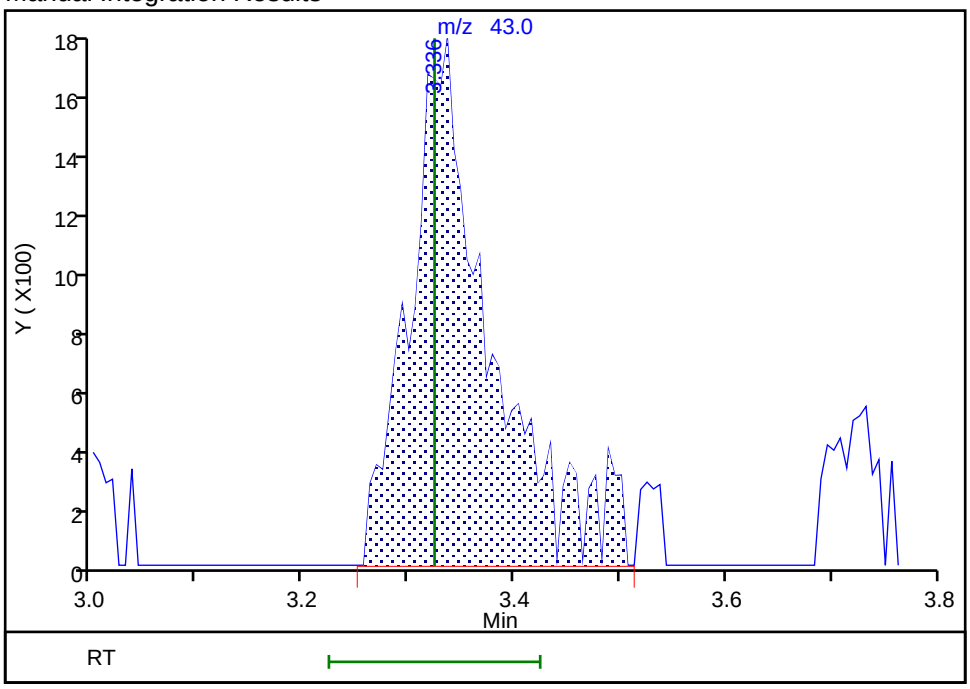
Processing Integration Results

RT: 3.34
Area: 8415
Amount: 2.163087
Amount Units: ug/l



Manual Integration Results

RT: 3.34
Area: 9584
Amount: 2.356380
Amount Units: ug/l



Reviewer: JS6E, 26-Aug-2024 23:32:05 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

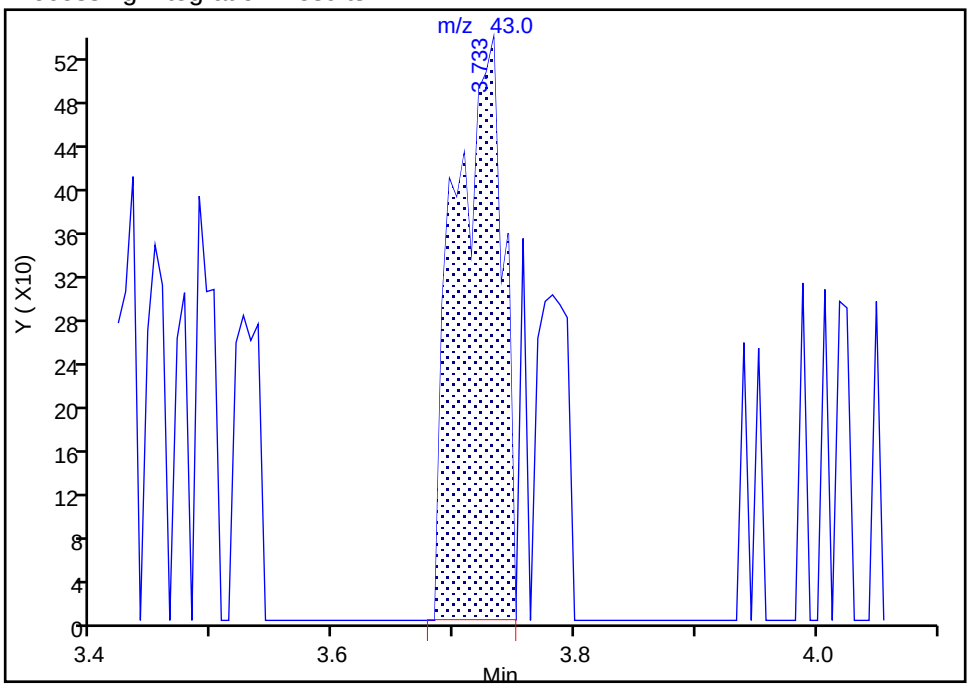
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Injection Date:	26-Aug-2024 14:49:30	Instrument ID:	16334		
Lims ID:	IC std1				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	2	Worklist Smp#:	13
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

25 Methyl acetate, CAS: 79-20-9

Signal: 1

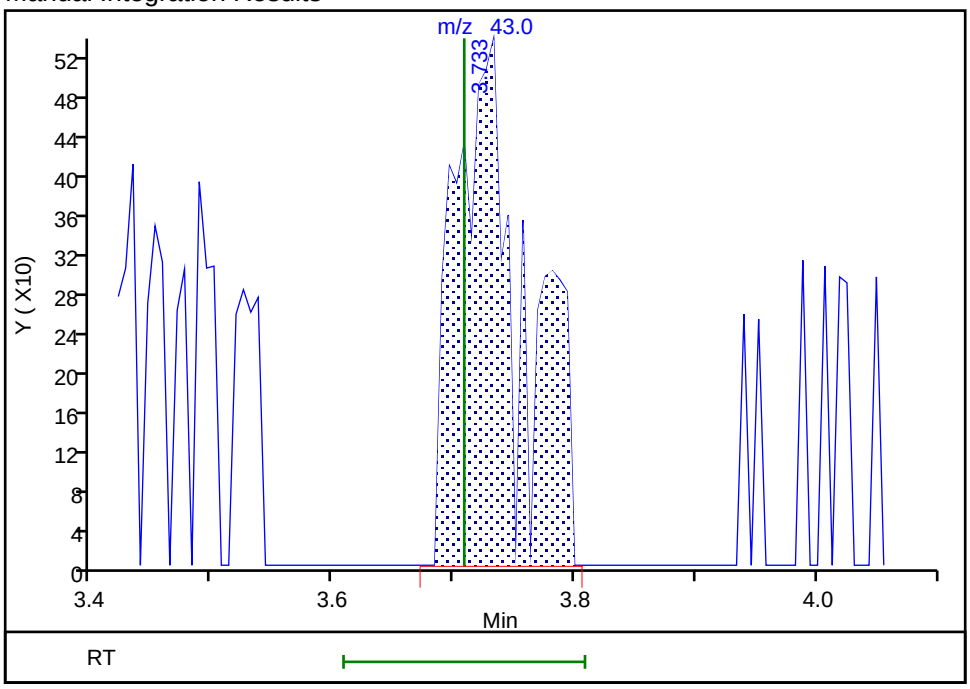
Processing Integration Results

RT: 3.73
Area: 1479
Amount: 0.151146
Amount Units: ug/l



Manual Integration Results

RT: 3.73
Area: 2129
Amount: 0.206089
Amount Units: ug/l



Reviewer: JS6E, 26-Aug-2024 23:32:19 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

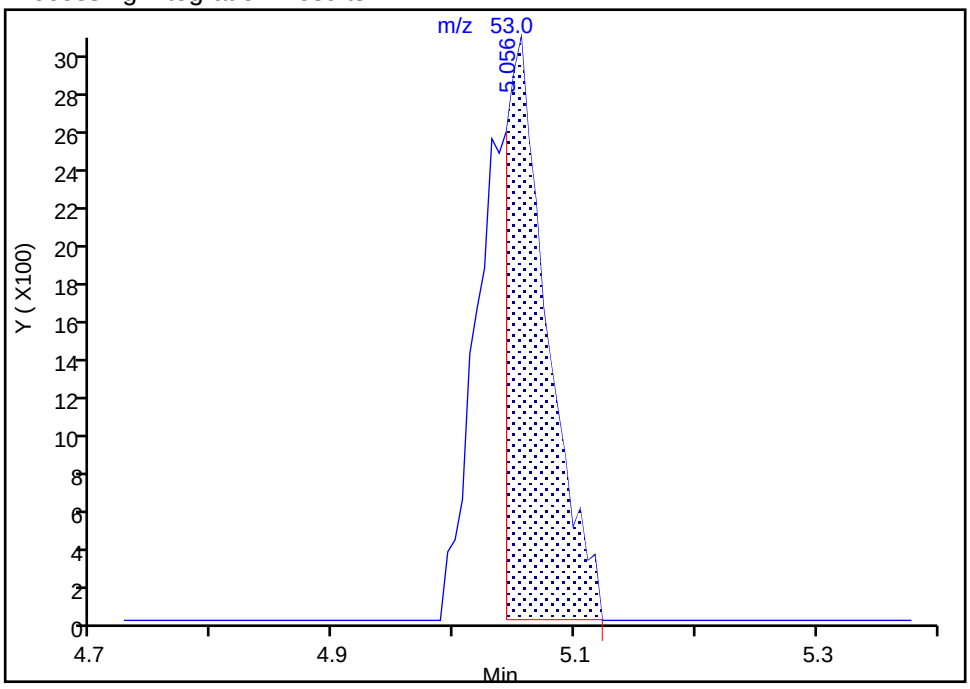
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Lims ID: IC std1
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

39 2-Chloro-1,3-butadiene, CAS: 126-99-8

Signal: 1

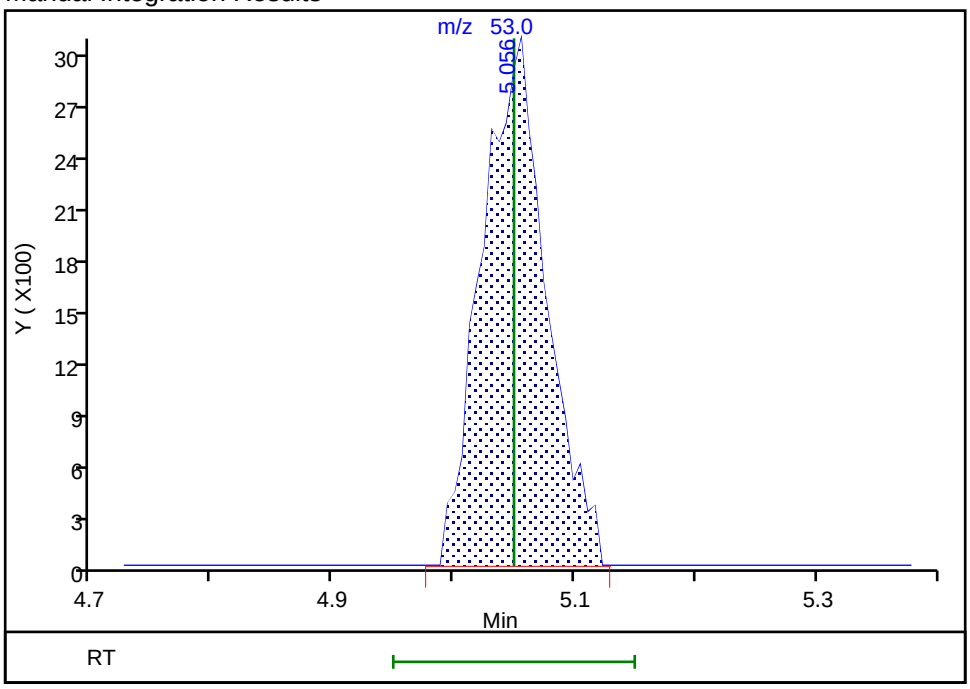
Processing Integration Results

RT: 5.06
Area: 7333
Amount: 0.130939
Amount Units: ug/l



Manual Integration Results

RT: 5.06
Area: 11490
Amount: 0.194837
Amount Units: ug/l



Reviewer: JS6E, 26-Aug-2024 23:32:35 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

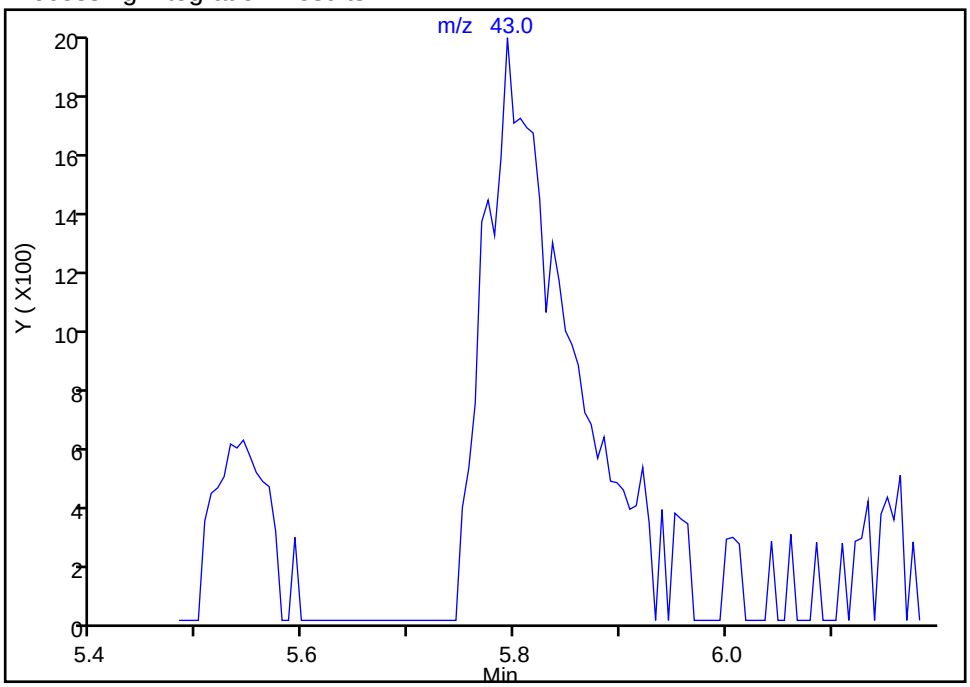
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Injection Date:	26-Aug-2024 14:49:30	Instrument ID:	16334		
Lims ID:	IC std1				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	2	Worklist Smp#:	13
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

41 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

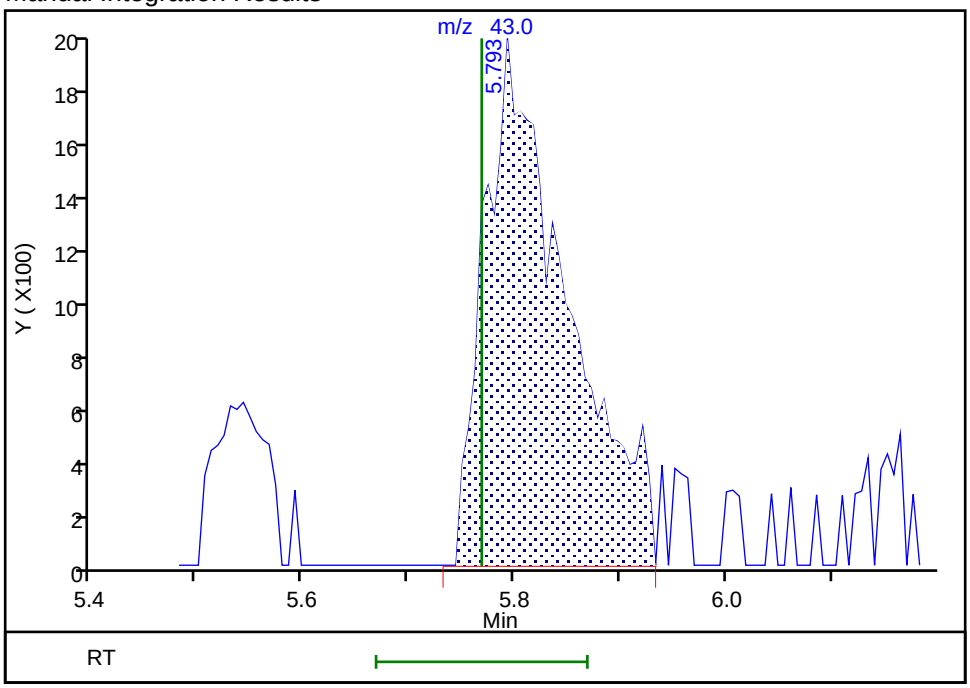
Not Detected
Expected RT: 5.77

Processing Integration Results



Manual Integration Results

RT: 5.79
Area: 10434
Amount: 1.694306
Amount Units: ug/l



Reviewer: JS6E, 26-Aug-2024 23:32:43 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

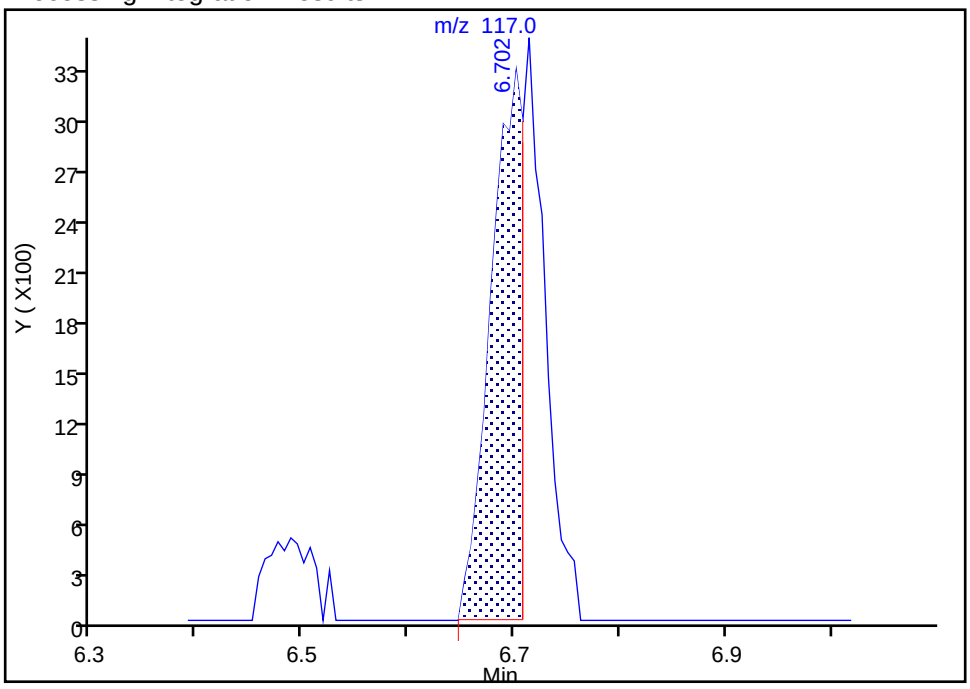
Data File:	\\chromfs\Lancaster\ChromData\16334\20240826-123245.b\GG26X02.D				
Injection Date:	26-Aug-2024 14:49:30	Instrument ID:	16334		
Lims ID:	IC std1				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	2	Worklist Smp#:	13
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

55 Carbon tetrachloride, CAS: 56-23-5

Signal: 1

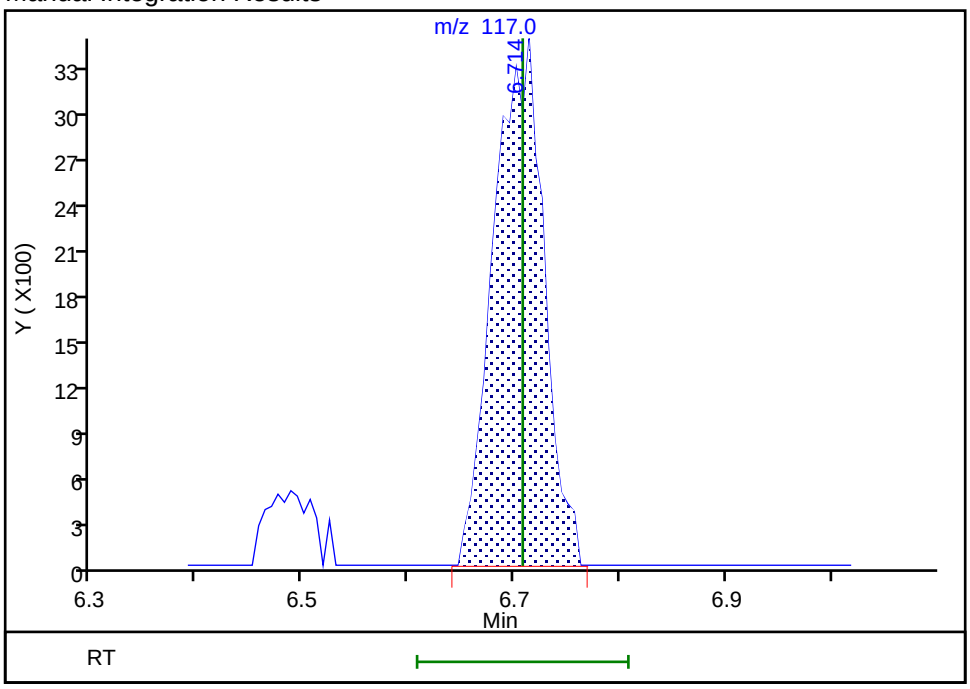
Processing Integration Results

RT: 6.70
Area: 7083
Amount: 0.120163
Amount Units: ug/l



Manual Integration Results

RT: 6.71
Area: 11527
Amount: 0.185562
Amount Units: ug/l



Reviewer: JS6E, 26-Aug-2024 23:32:54 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

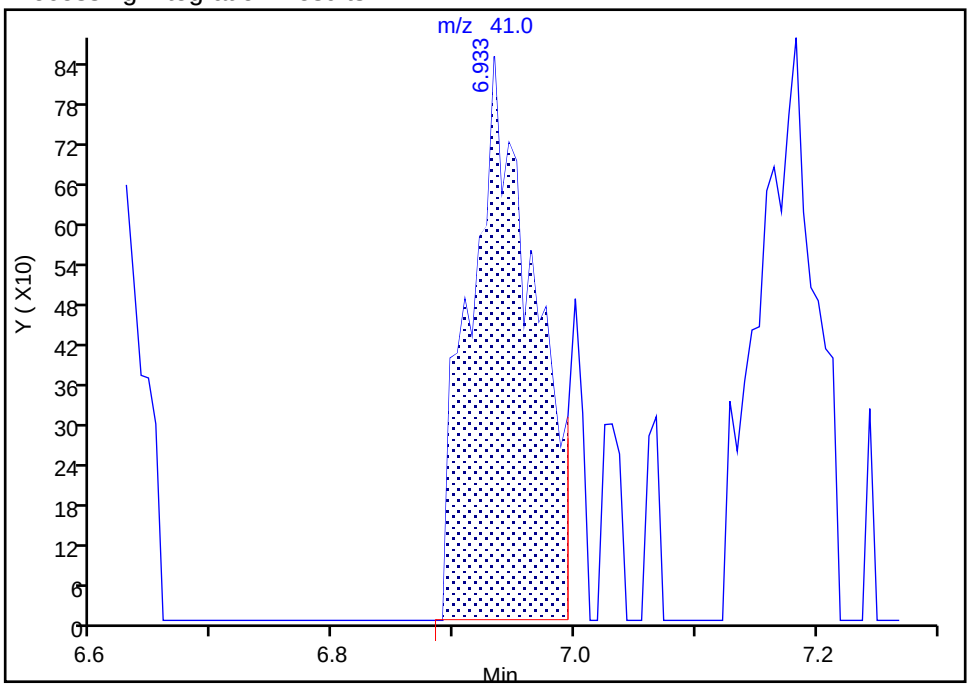
Data File:	\\chromfs\Lancaster\ChromData\16334\20240826-123245.b\GG26X02.D				
Injection Date:	26-Aug-2024 14:49:30	Instrument ID:	16334		
Lims ID:	IC std1				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	2	Worklist Smp#:	13
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

58 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

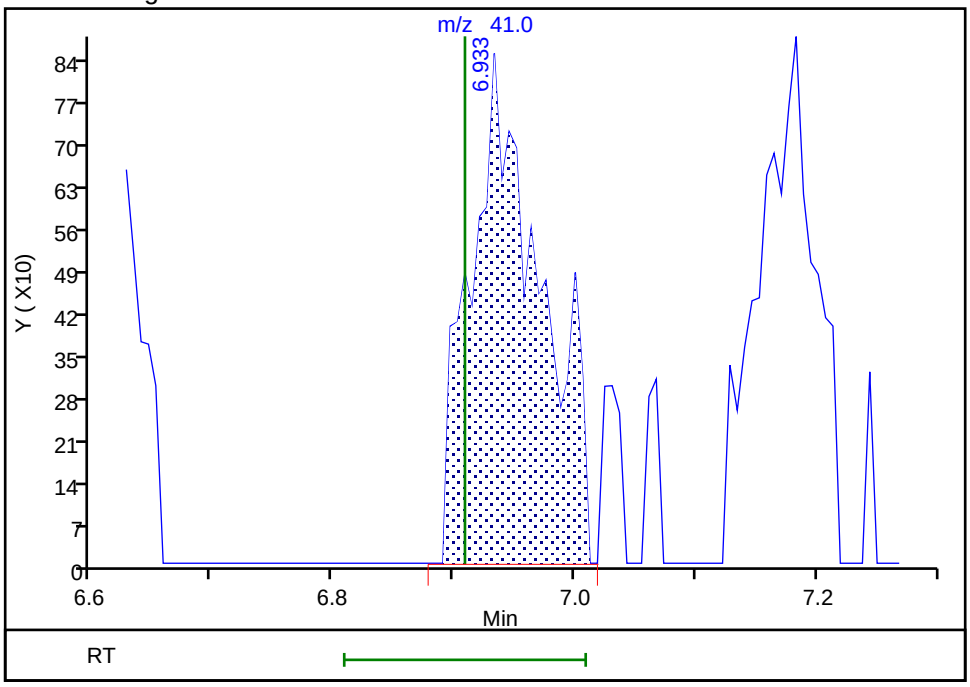
Processing Integration Results

RT: 6.93
Area: 3136
Amount: 8.729595
Amount Units: ug/l



Manual Integration Results

RT: 6.93
Area: 3427
Amount: 9.430513
Amount Units: ug/l



Reviewer: JS6E, 26-Aug-2024 23:33:02 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

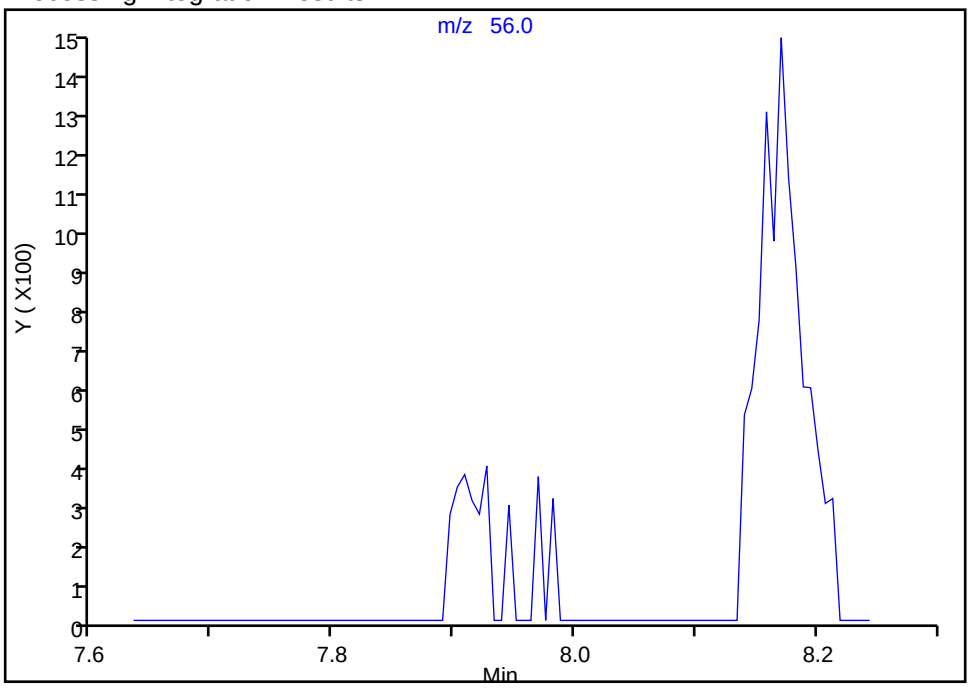
Data File:	\\chromfs\Lancaster\ChromData\16334\20240826-123245.b\GG26X02.D				
Injection Date:	26-Aug-2024 14:49:30	Instrument ID:	16334		
Lims ID:	IC std1				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	2	Worklist Smp#:	13
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

67 n-Butanol, CAS: 71-36-3

Signal: 1

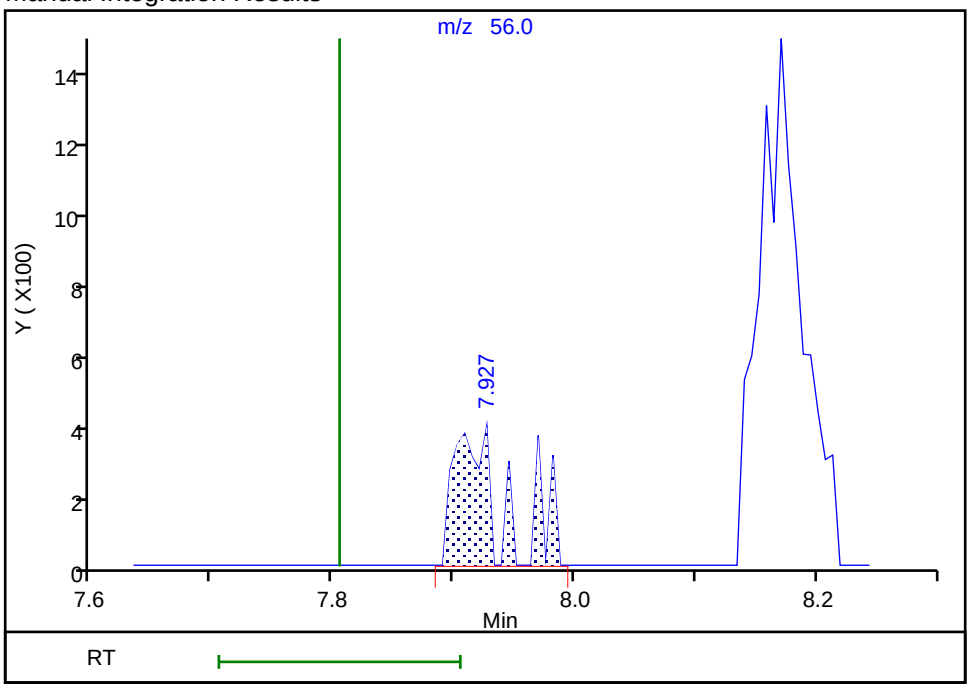
Not Detected
Expected RT: 7.81

Processing Integration Results



Manual Integration Results

RT: 7.93
Area: 1018
Amount: 3.719969
Amount Units: ug/l



Reviewer: JS6E, 26-Aug-2024 23:33:11 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

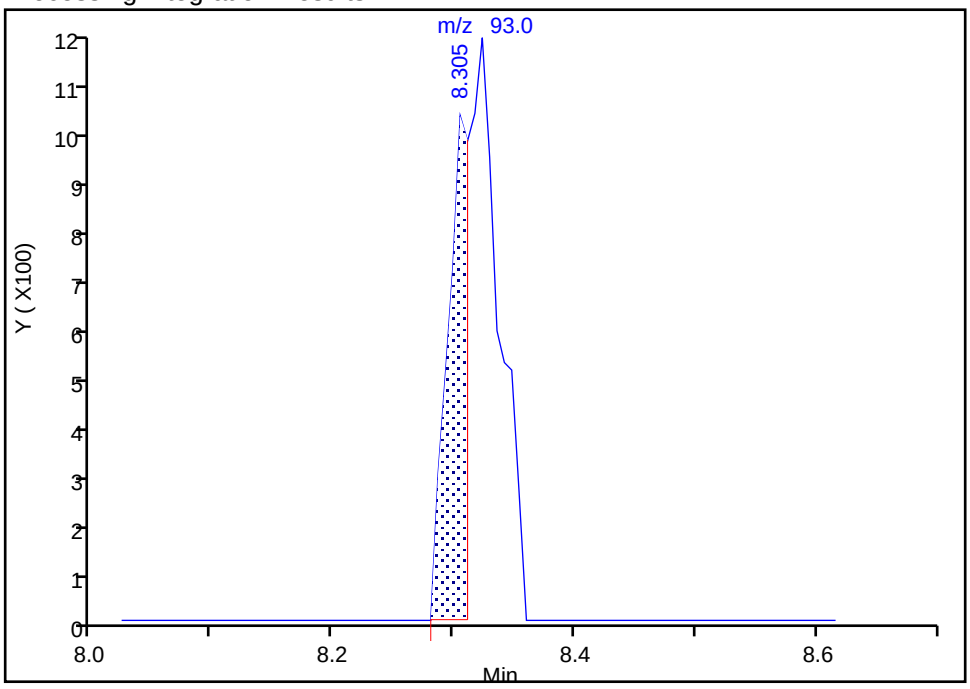
Data File:	\\chromfs\Lancaster\ChromData\16334\20240826-123245.b\GG26X02.D				
Injection Date:	26-Aug-2024 14:49:30	Instrument ID:	16334		
Lims ID:	IC std1				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	2	Worklist Smp#:	13
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

74 Dibromomethane, CAS: 74-95-3

Signal: 1

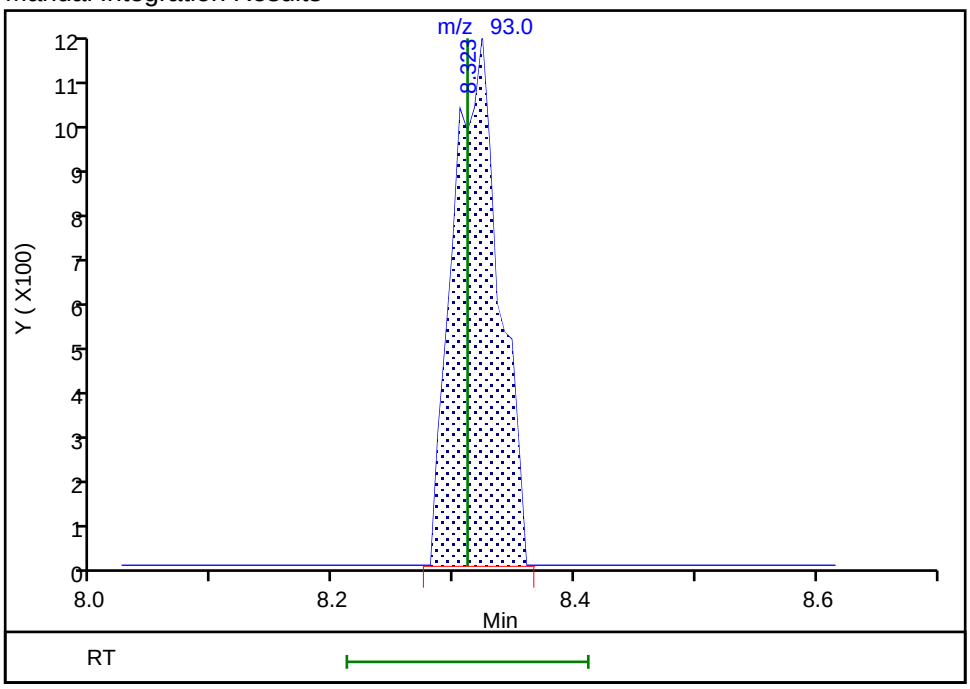
Processing Integration Results

RT: 8.30
Area: 1258
Amount: 0.074157
Amount Units: ug/l



Manual Integration Results

RT: 8.32
Area: 3058
Amount: 0.167564
Amount Units: ug/l



Reviewer: JS6E, 26-Aug-2024 23:33:33 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

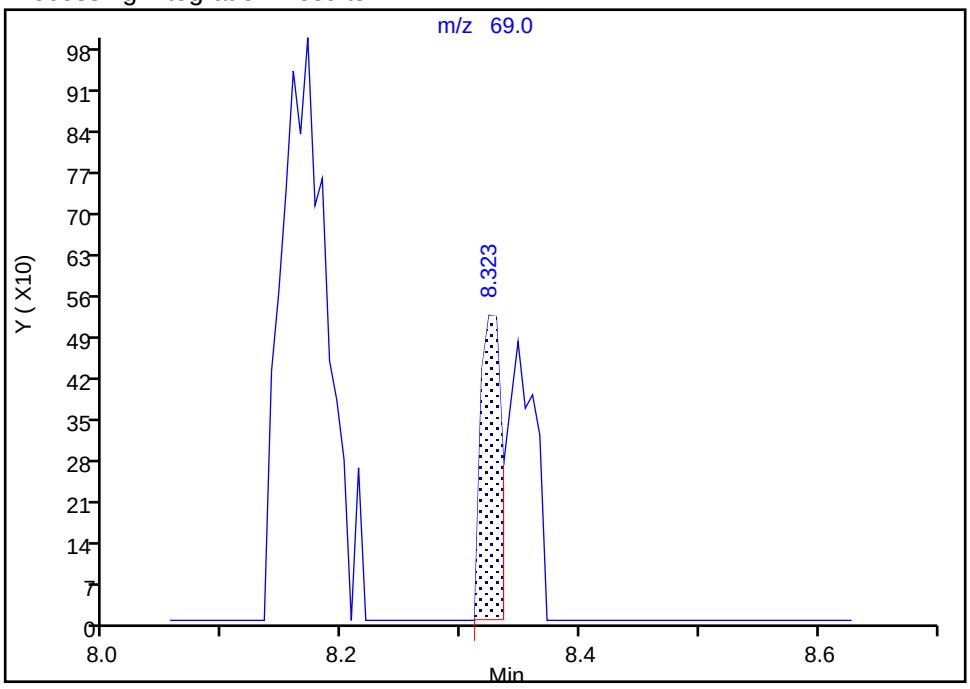
Data File:	\\chromfs\Lancaster\ChromData\16334\20240826-123245.b\GG26X02.D				
Injection Date:	26-Aug-2024 14:49:30	Instrument ID:	16334		
Lims ID:	IC std1				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	2	Worklist Smp#:	13
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

72 Methyl methacrylate, CAS: 80-62-6

Signal: 1

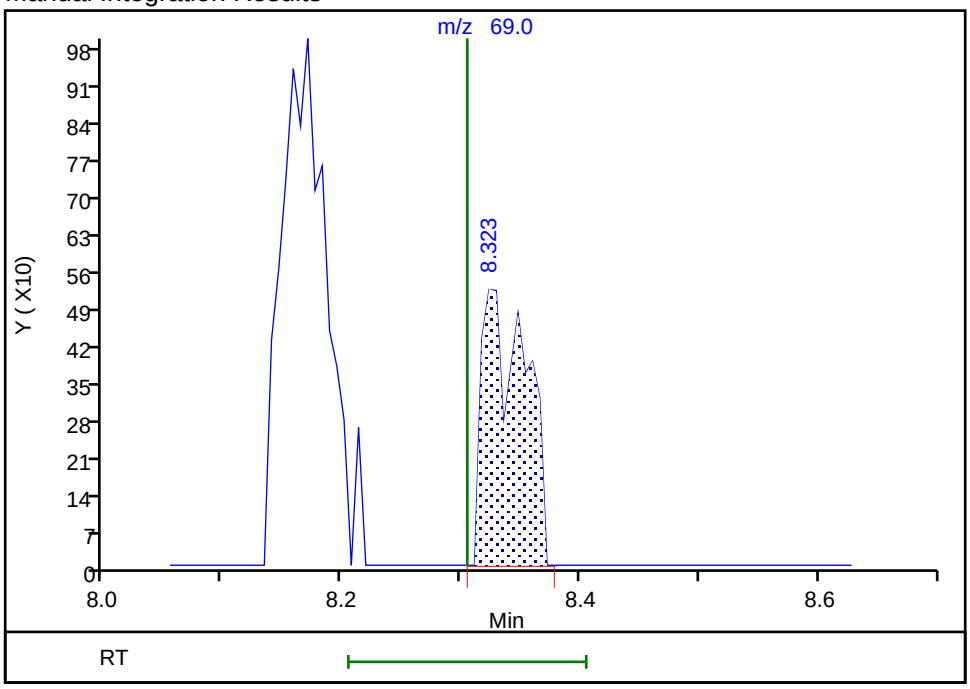
Processing Integration Results

RT: 8.32
Area: 635
Amount: 0.055450
Amount Units: ug/l



Manual Integration Results

RT: 8.32
Area: 1336
Amount: 0.104122
Amount Units: ug/l



Reviewer: JS6E, 26-Aug-2024 23:33:40 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

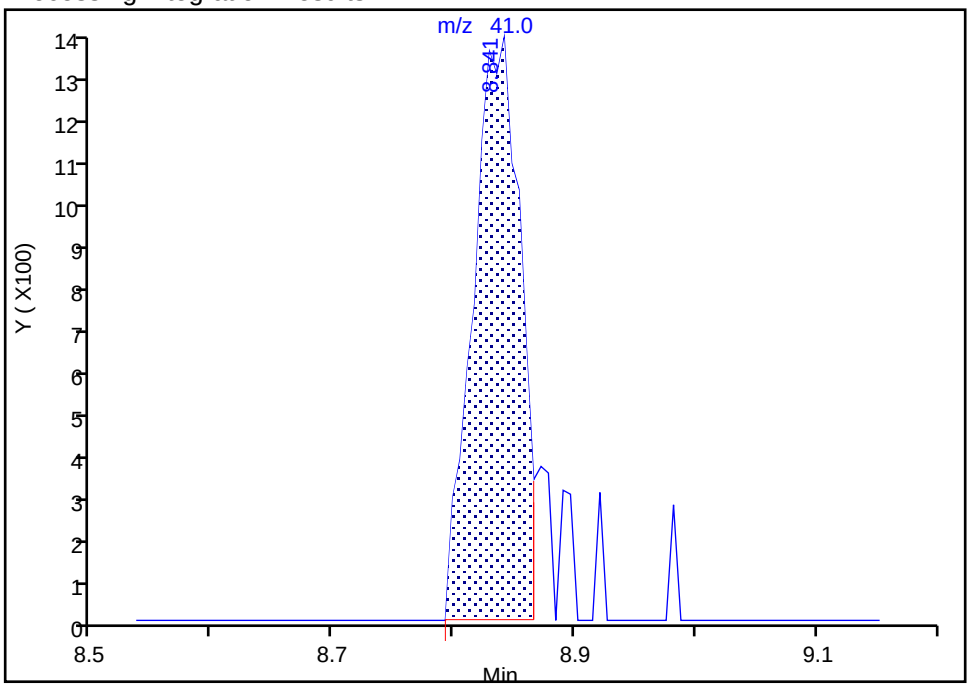
Data File: \\chromfs\Lancaster\ChromData\16334\20240826-123245.b\GG26X02.D
Injection Date: 26-Aug-2024 14:49:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

77 2-Nitropropane, CAS: 79-46-9

Signal: 1

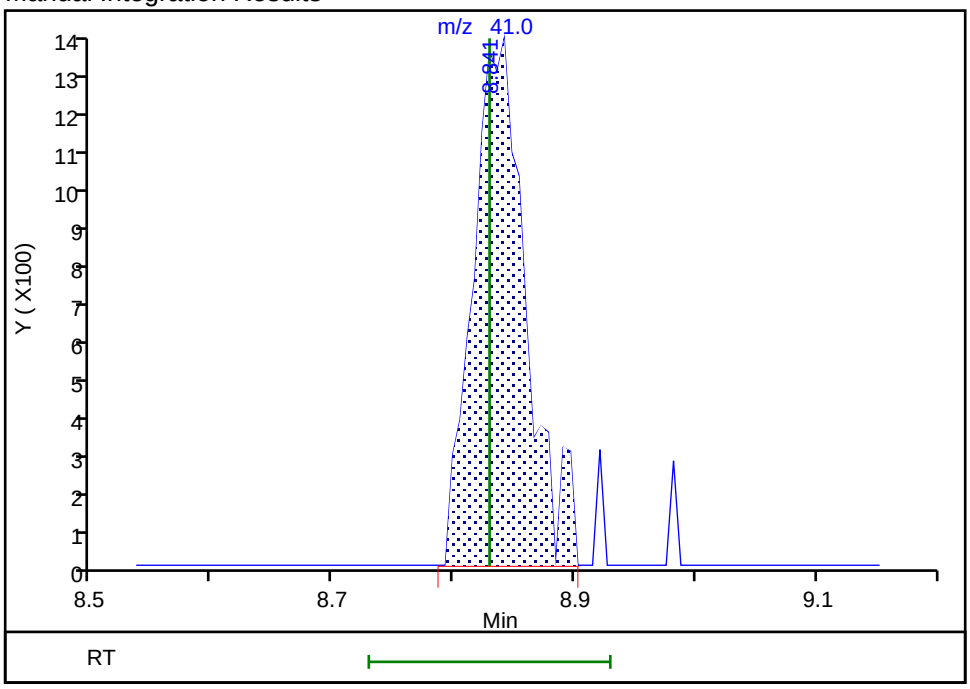
Processing Integration Results

RT: 8.84
Area: 3595
Amount: 0.876695
Amount Units: ug/l



Manual Integration Results

RT: 8.84
Area: 4058
Amount: 0.973895
Amount Units: ug/l



Reviewer: JS6E, 26-Aug-2024 23:34:35 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

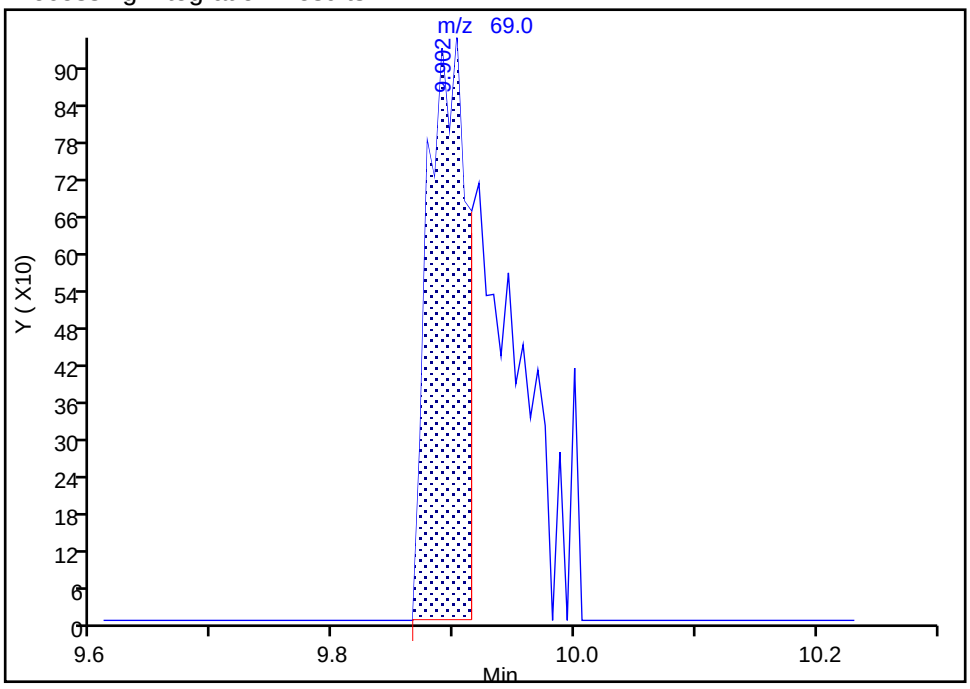
Data File: \\chromfs\Lancaster\ChromData\16334\20240826-123245.b\GG26X02.D
Injection Date: 26-Aug-2024 14:49:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

86 Ethyl methacrylate, CAS: 97-63-2

Signal: 1

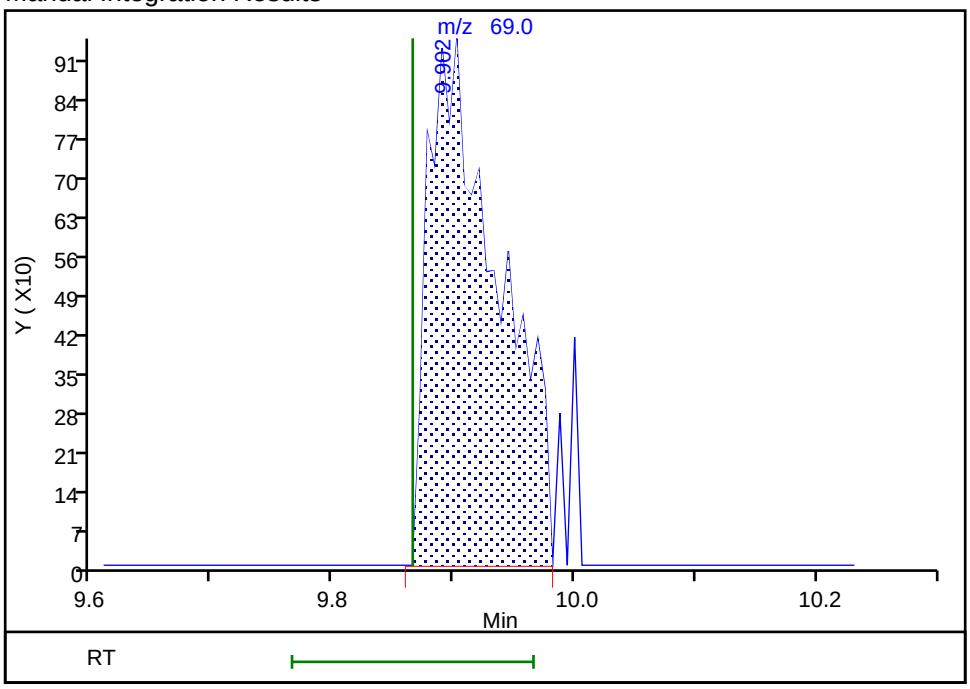
Processing Integration Results

RT: 9.90
Area: 2124
Amount: 0.258234
Amount Units: ug/l



Manual Integration Results

RT: 9.90
Area: 3828
Amount: 0.136038
Amount Units: ug/l



Reviewer: JS6E, 26-Aug-2024 23:34:49 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

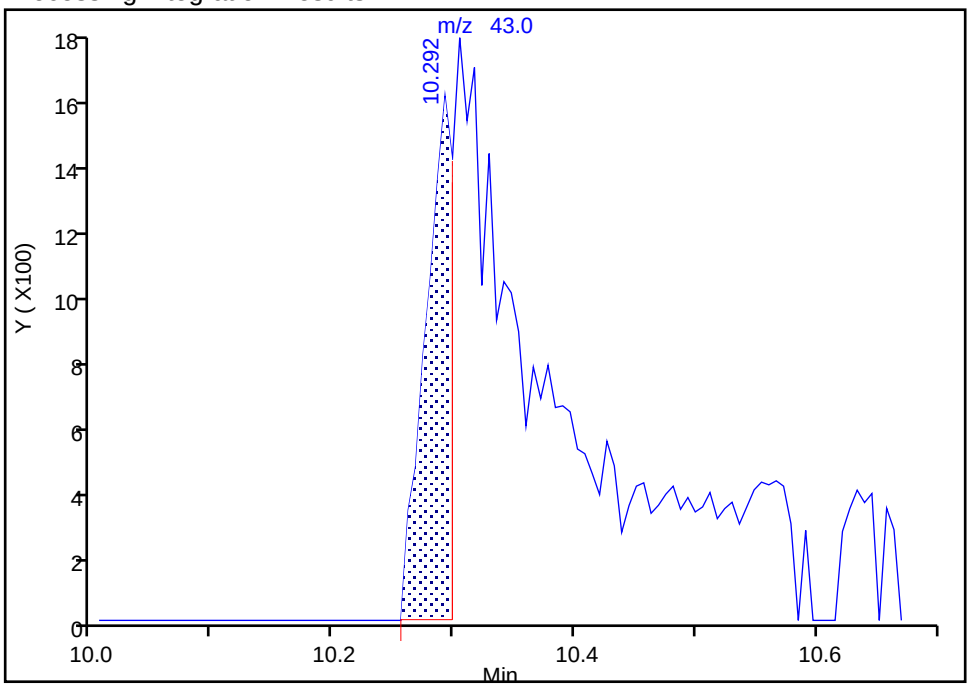
Data File: \\chromfs\Lancaster\ChromData\16334\20240826-123245.b\GG26X02.D
Injection Date: 26-Aug-2024 14:49:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

110 2-Hexanone, CAS: 591-78-6

Signal: 1

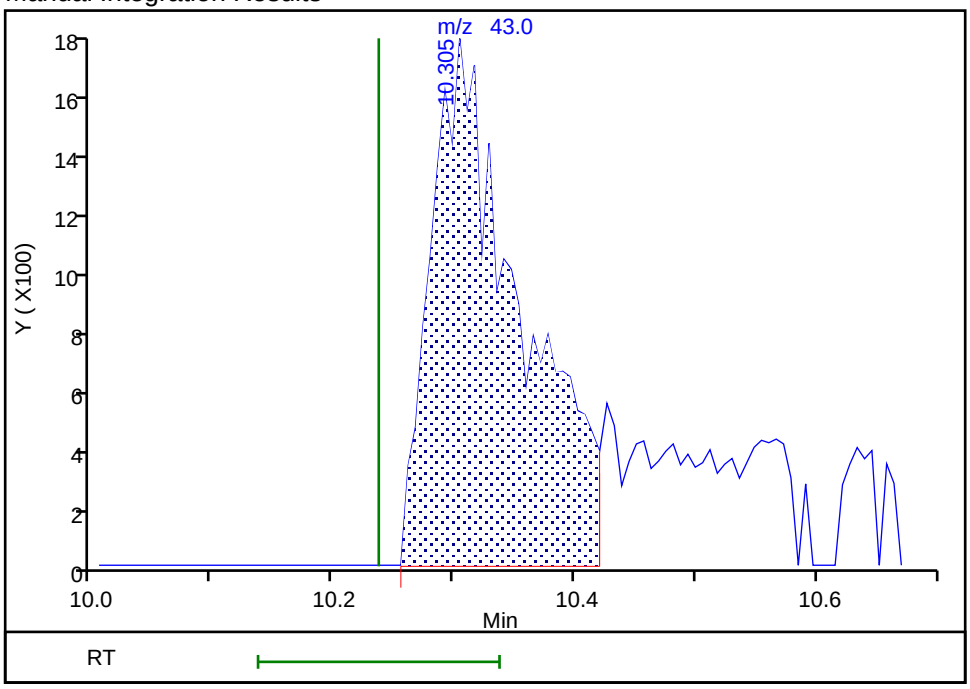
Processing Integration Results

RT: 10.29
Area: 2510
Amount: 2.292853
Amount Units: ug/l



Manual Integration Results

RT: 10.30
Area: 8919
Amount: 0.933081
Amount Units: ug/l



Reviewer: JS6E, 27-Aug-2024 00:03:29 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

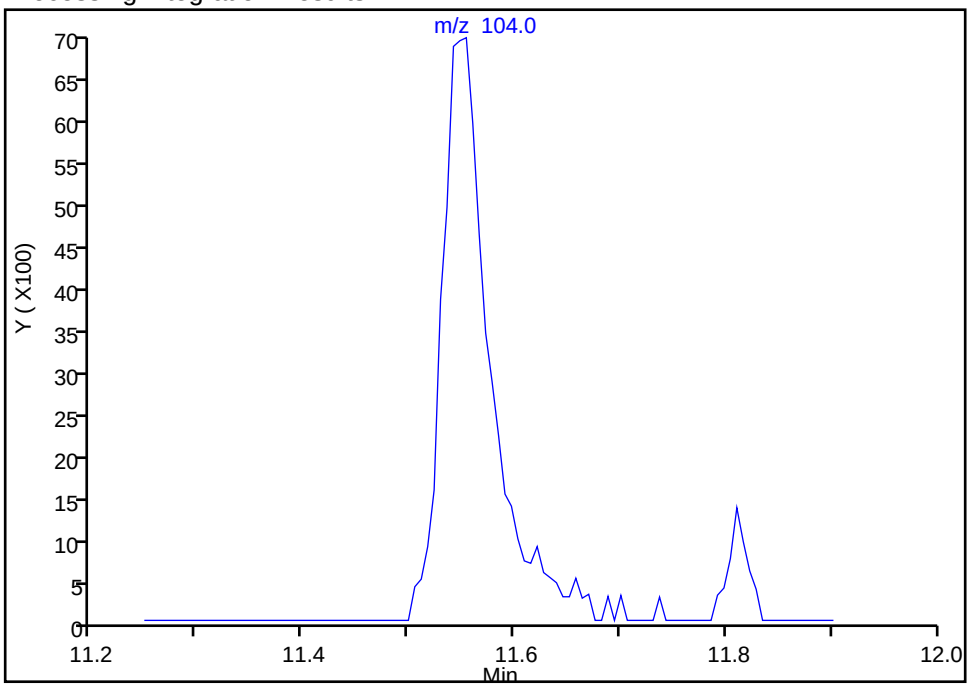
Data File:	\\chromfs\Lancaster\ChromData\16334\20240826-123245.b\GG26X02.D				
Injection Date:	26-Aug-2024 14:49:30	Instrument ID:	16334		
Lims ID:	IC std1				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	2	Worklist Smp#:	13
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

122 Styrene, CAS: 100-42-5

Signal: 1

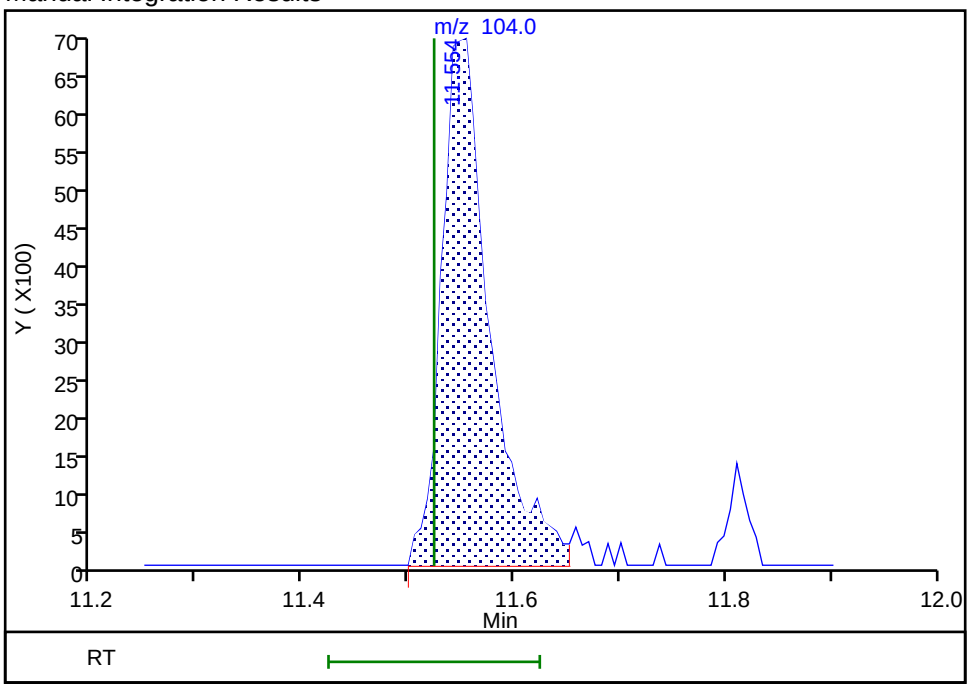
Not Detected
Expected RT: 11.52

Processing Integration Results



Manual Integration Results

RT: 11.55
Area: 22058
Amount: 0.170861
Amount Units: ug/l



Reviewer: JS6E, 26-Aug-2024 23:35:24 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

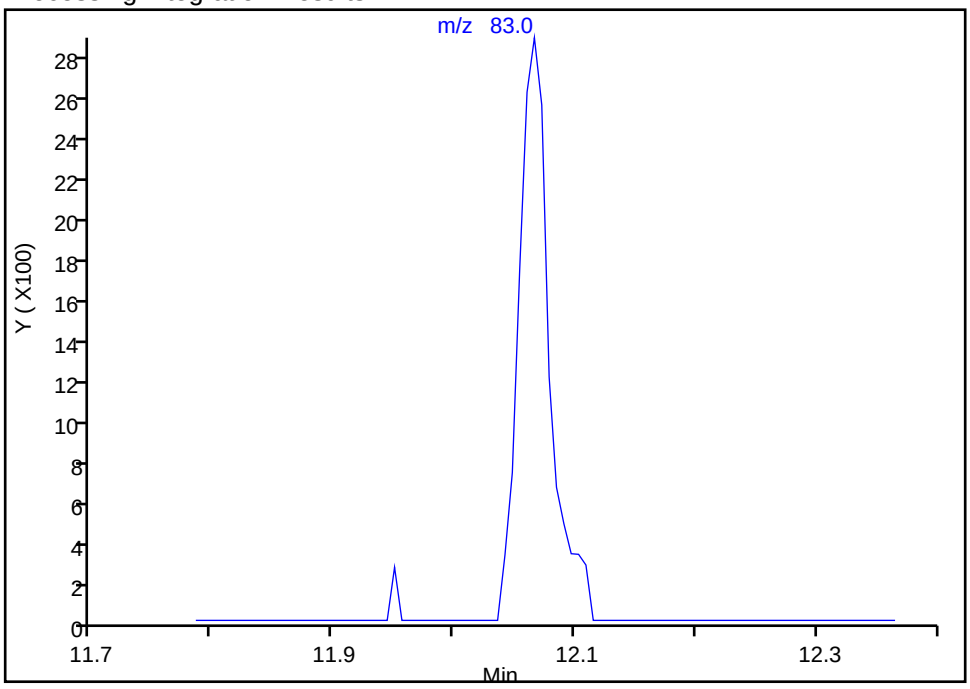
Data File:	\\chromfs\Lancaster\ChromData\16334\20240826-123245.b\GG26X02.D				
Injection Date:	26-Aug-2024 14:49:30	Instrument ID:	16334		
Lims ID:	IC std1				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	2	Worklist Smp#:	13
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

128 1,1,2,2-Tetrachloroethane, CAS: 79-34-5

Signal: 1

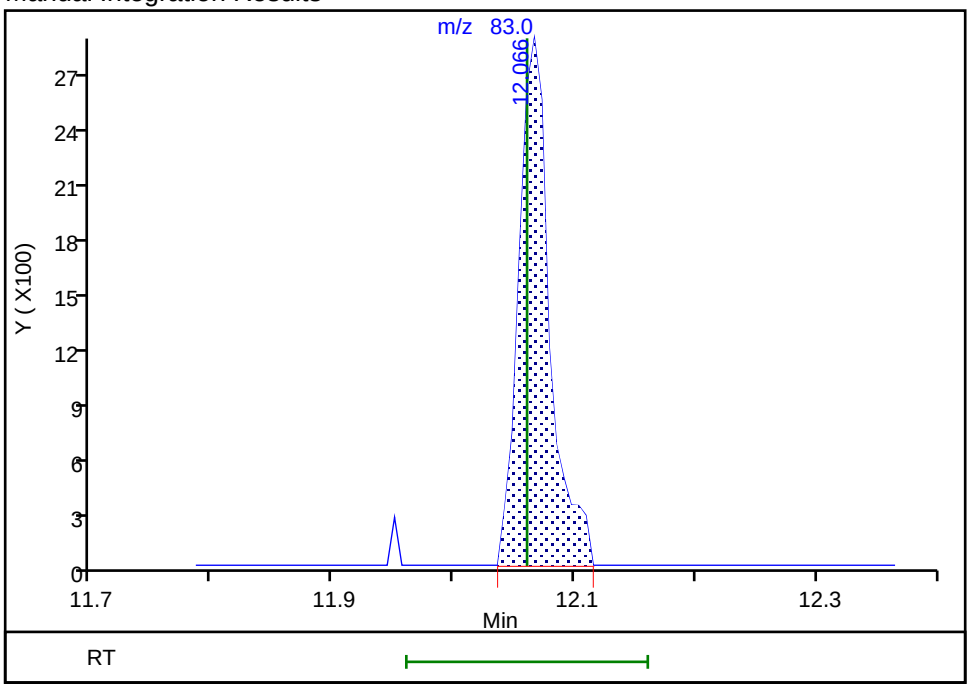
Not Detected
Expected RT: 12.06

Processing Integration Results



Manual Integration Results

RT: 12.07
Area: 5054
Amount: 0.171469
Amount Units: ug/l



Reviewer: JS6E, 26-Aug-2024 23:36:00 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

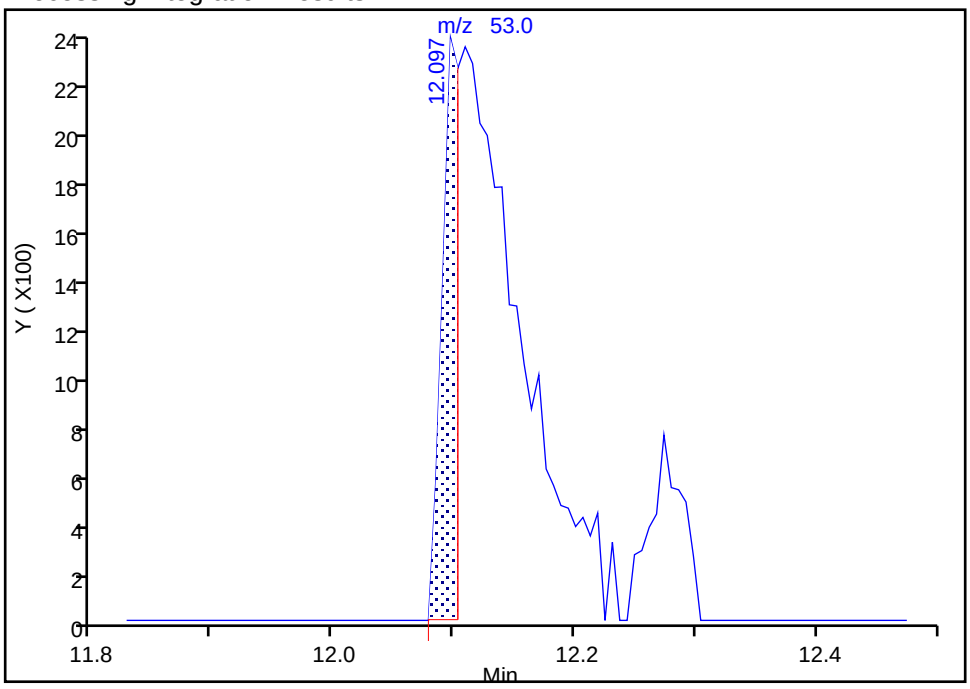
Data File: \\chromfs\Lancaster\ChromData\16334\20240826-123245.b\GG26X02.D
Injection Date: 26-Aug-2024 14:49:30 Instrument ID: 16334
Lims ID: IC std1
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

130 trans-1,4-Dichloro-2-butene, CAS: 110-57-6

Signal: 1

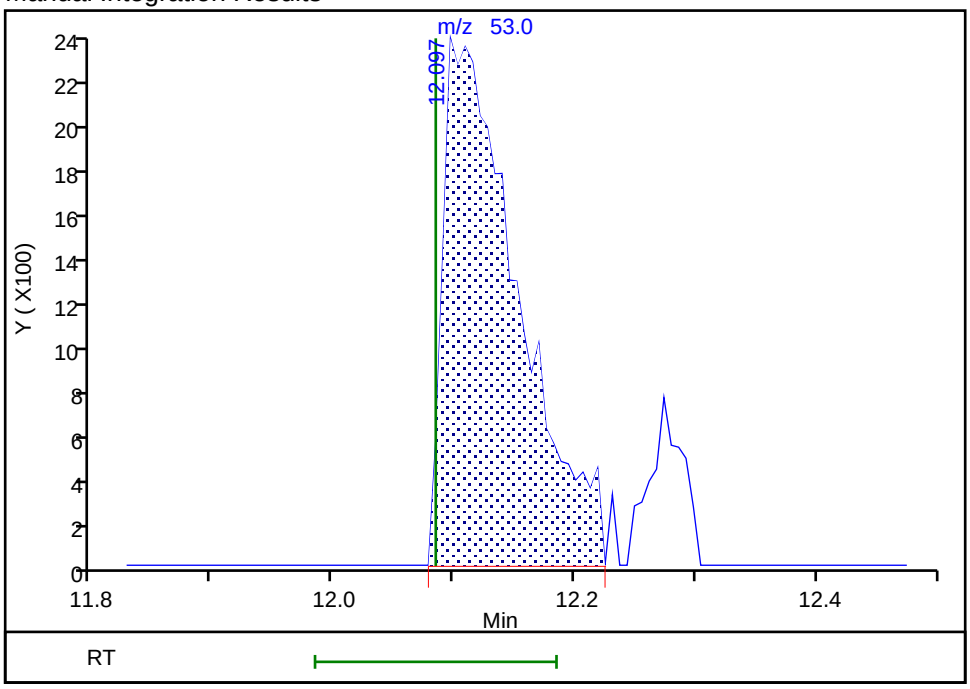
Processing Integration Results

RT: 12.10
Area: 2426
Amount: 0.403526
Amount Units: ug/l



Manual Integration Results

RT: 12.10
Area: 10225
Amount: 1.556536
Amount Units: ug/l



Reviewer: JS6E, 26-Aug-2024 23:36:22 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

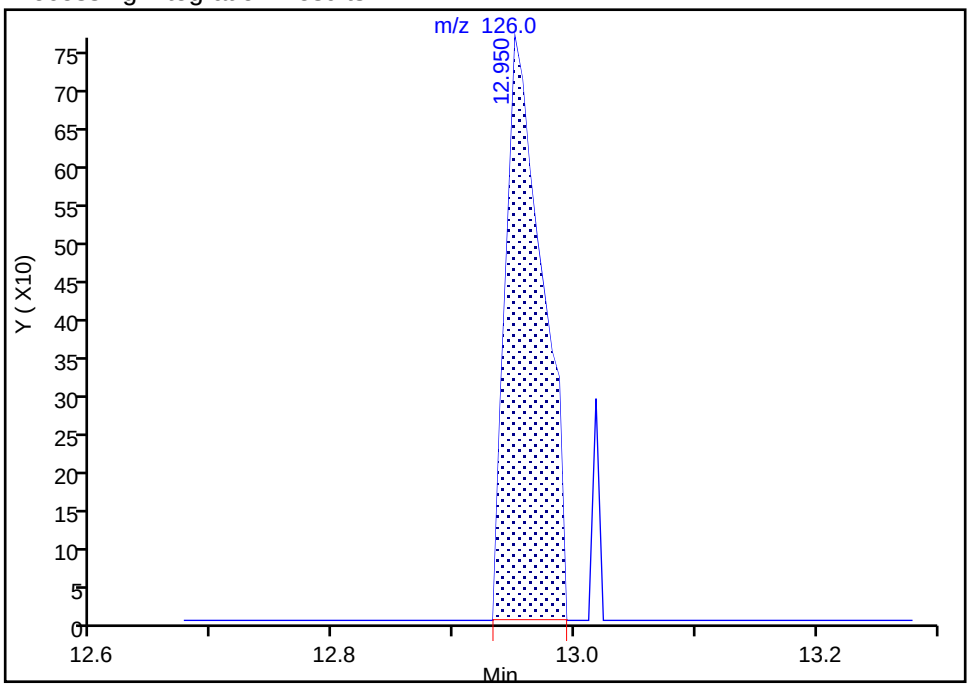
Data File:	\\chromfs\Lancaster\ChromData\16334\20240826-123245.b\GG26X02.D				
Injection Date:	26-Aug-2024 14:49:30	Instrument ID:	16334		
Lims ID:	IC std1				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	2	Worklist Smp#:	13
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

145 Benzyl chloride, CAS: 100-44-7

Signal: 1

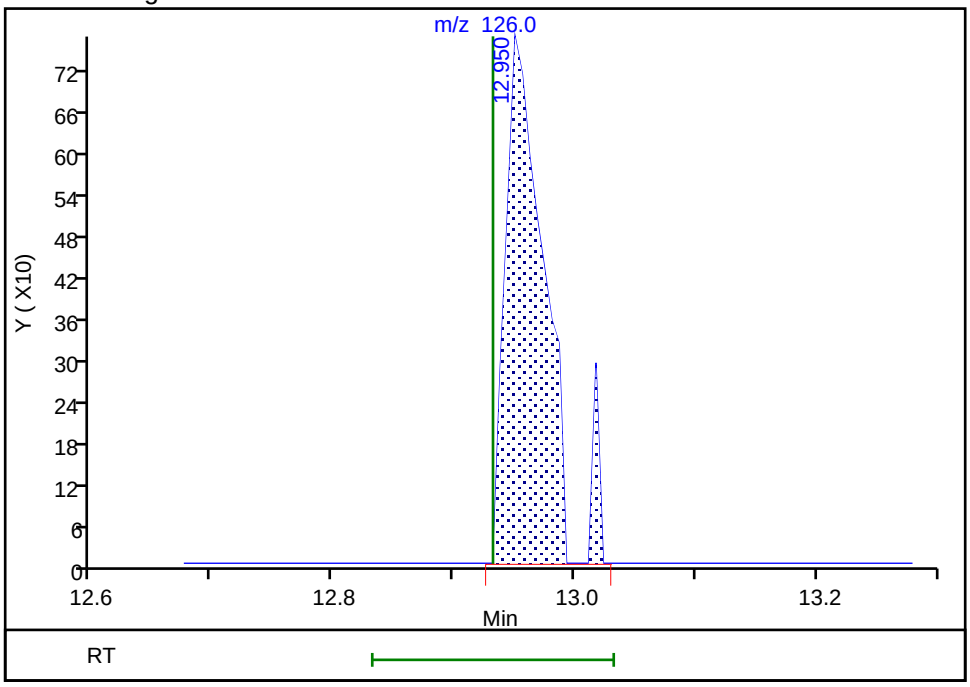
Processing Integration Results

RT: 12.95
Area: 1648
Amount: 0.134868
Amount Units: ug/l



Manual Integration Results

RT: 12.95
Area: 1755
Amount: 0.142732
Amount Units: ug/l



Reviewer: JS6E, 27-Aug-2024 00:08:56 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

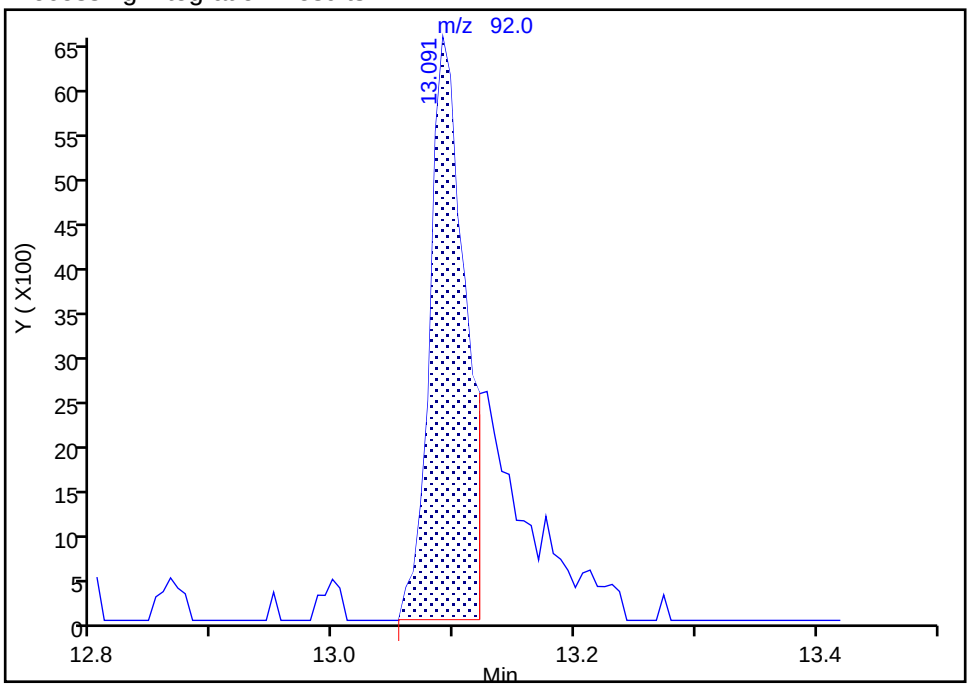
Data File:	\\chromfs\Lancaster\ChromData\16334\20240826-123245.b\GG26X02.D				
Injection Date:	26-Aug-2024 14:49:30	Instrument ID:	16334		
Lims ID:	IC std1				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	2	Worklist Smp#:	13
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

147 n-Butylbenzene, CAS: 104-51-8

Signal: 1

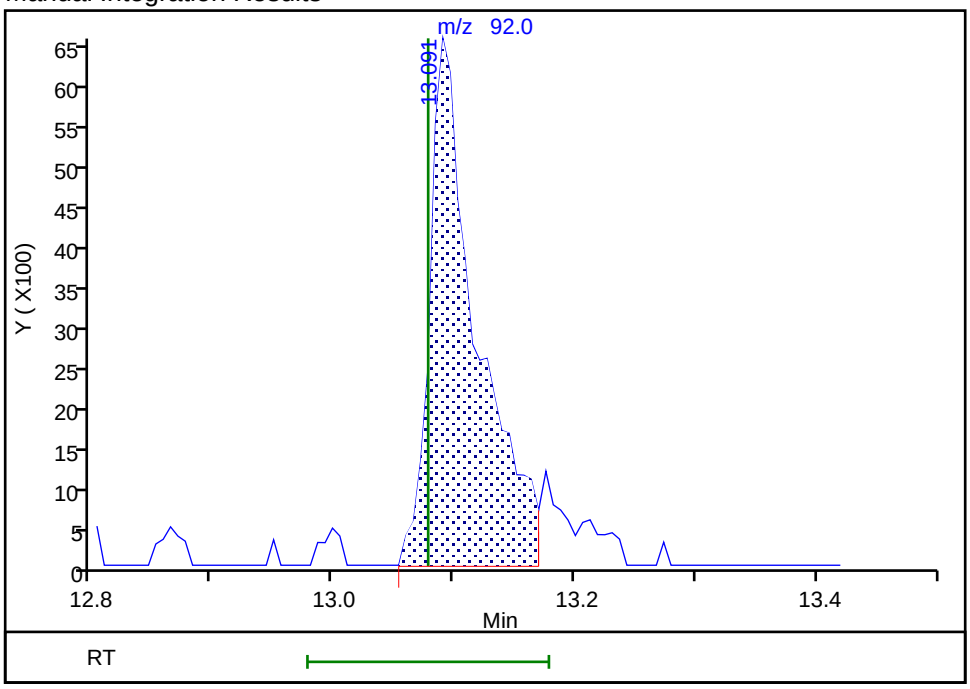
Processing Integration Results

RT: 13.09
Area: 13447
Amount: 0.131053
Amount Units: ug/l



Manual Integration Results

RT: 13.09
Area: 17862
Amount: 0.168891
Amount Units: ug/l



Reviewer: JS6E, 26-Aug-2024 23:36:58 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

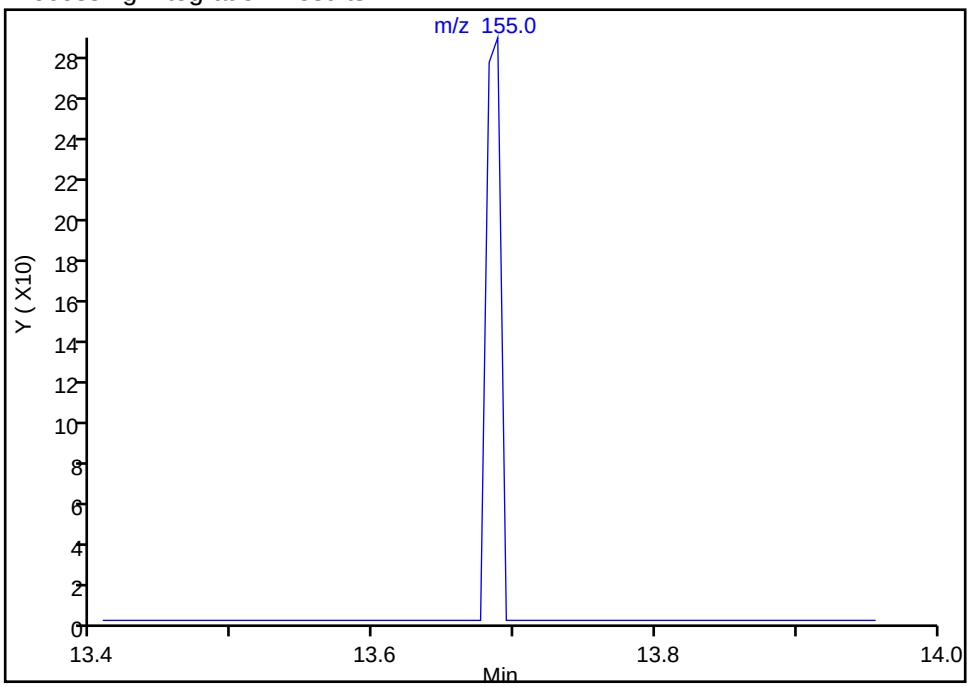
Data File:	\\chromfs\Lancaster\ChromData\16334\20240826-123245.b\GG26X02.D				
Injection Date:	26-Aug-2024 14:49:30	Instrument ID:	16334		
Lims ID:	IC std1				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	2	Worklist Smp#:	13
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

150 1,2-Dibromo-3-Chloropropane, CAS: 96-12-8

Signal: 1

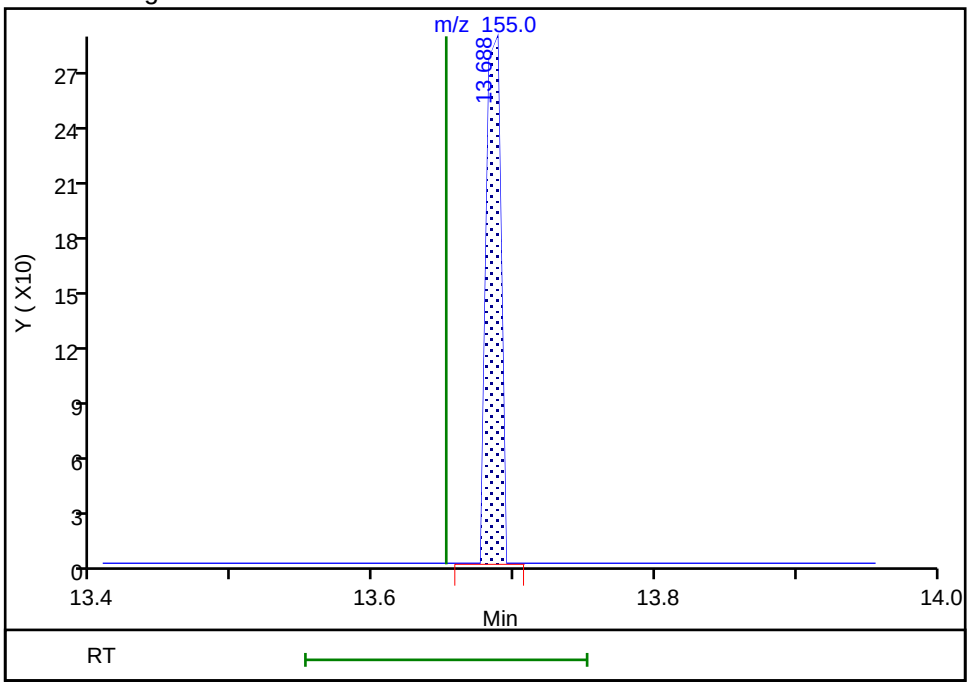
Not Detected
Expected RT: 13.65

Processing Integration Results



Manual Integration Results

RT: 13.69
Area: 94
Amount: 0.181302
Amount Units: ug/l



Reviewer: UJML, 27-Aug-2024 07:43:54 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Missed Peak

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20240826-123245.b\GG26X03.D
Lims ID: IC std2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 26-Aug-2024 15:11:30 ALS Bottle#: 3 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0123245-004
Misc. Info.: IC STD2
Operator ID: knk41612 Instrument ID: 16334
Sublist: chrom-MSV_16334_25mL*sub4

Method: \\chromfs\Lancaster\ChromData\16334\20240826-123245.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 29-Aug-2024 10:39:10 Calib Date: 26-Aug-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\16334\20240826-123245.b\GG26X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1615

First Level Reviewer: JS6E Date: 26-Aug-2024 23:31:07

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.824	1.831	-0.007	99	25578	0.5000	0.4969	
5 Chloromethane	50	2.013	2.020	-0.007	99	27016	0.5000	0.4886	
6 Vinyl chloride	62	2.123	2.123	0.000	92	24784	0.5000	0.4803	
7 Butadiene	39	2.129	2.135	-0.006	92	26576	0.5000	0.4981	
9 Bromomethane	94	2.434	2.440	-0.006	91	18609	0.5000	0.4626	
10 Chloroethane	64	2.495	2.501	-0.006	99	14754	0.5000	0.4738	
11 Dichlorofluoromethane	67	2.727	2.733	-0.006	97	42461	0.5000	0.4830	
12 Trichlorofluoromethane	101	2.788	2.794	-0.006	98	34082	0.5000	0.4718	
13 Ethyl ether	59	3.013	3.007	0.006	91	11667	0.4999	0.4676	M
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.080	3.093	-0.013	89	22340	0.5000	0.4751	
17 Acrolein	56	3.160	3.160	0.000	99	72195	25.1	23.7	
18 1,1-Dichloroethene	96	3.294	3.288	0.006	97	19131	0.5000	0.5166	
19 Acetone	43	3.330	3.324	0.006	78	21163	5.00	5.43	M
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.324	3.330	-0.006	89	20653	0.5000	0.5340	
22 Iodomethane	142	3.458	3.464	-0.006	99	36857	0.5000	0.4928	
23 Ethyl bromide	108	3.489	3.489	0.000	96	16016	0.5009	0.4883	
21 Isopropyl alcohol	45	3.489	3.495	-0.006	35	4551	10.0	8.92	
24 Carbon disulfide	76	3.562	3.562	0.000	99	63517	0.5000	0.5056	
25 Methyl acetate	43	3.720	3.708	0.012	34	6062	0.5000	0.6119	M
27 3-Chloro-1-propene	41	3.727	3.720	0.007	90	29327	0.5000	0.4965	
29 Methylene Chloride	84	3.891	3.891	0.000	89	20479	0.5000	0.5020	
* 30 t-Butyl alcohol-d10 (IS)	65	3.916	3.922	-0.006	95	81193	50.0	50.0	
31 2-Methyl-2-propanol	59	4.044	4.037	0.007	97	10175	10.0	9.77	
32 Acrylonitrile	53	4.245	4.214	0.031	59	4485	1.25	0.9112	
34 trans-1,2-Dichloroethene	96	4.281	4.275	0.006	97	21827	0.5000	0.5094	
33 Methyl tert-butyl ether	73	4.275	4.281	-0.006	81	40613	0.5000	0.5004	
35 Hexane	57	4.702	4.702	0.000	93	26725	0.5000	0.5059	
37 1,1-Dichloroethane	63	4.934	4.934	0.000	95	35295	0.5000	0.4815	
38 Isopropyl ether	45	5.007	5.007	0.000	93	55534	0.5000	0.4752	
39 2-Chloro-1,3-butadiene	53	5.056	5.049	0.007	91	27594	0.5000	0.4776	

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	5.549	5.549	0.000	97	51211	0.5000	0.4759	
41 2-Butanone (MEK)	43	5.781	5.769	0.012	62	26497	5.00	4.49	
42 cis-1,2-Dichloroethene	96	5.781	5.781	0.000	81	22953	0.5000	0.4803	
43 2,2-Dichloropropane	77	5.799	5.793	0.006	80	32063	0.5000	0.4952	
45 Propionitrile	54	5.872	5.854	0.018	97	15078	10.0	9.48	M
48 Methacrylonitrile	67	6.080	6.068	0.012	90	32144	5.00	4.64	
49 Chlorobromomethane	128	6.116	6.110	0.006	89	9040	0.5000	0.4756	
50 Tetrahydrofuran	71	6.153	6.147	0.006	81	4143	2.50	2.42	
S 47 1,2-Dichloroethene, Total	100				0			0.9897	
51 Chloroform	83	6.275	6.269	0.006	93	37286	0.5000	0.4902	
$ 52 Dibromofluoromethane (Surr)	113	6.482	6.488	-0.006	94	514174	10.0	10.0	
53 1,1,1-Trichloroethane	97	6.488	6.494	-0.006	38	33051	0.5000	0.4903	
54 Cyclohexane	56	6.592	6.592	0.000	90	33352	0.5000	0.5235	
55 Carbon tetrachloride	117	6.708	6.708	0.000	97	30398	0.5000	0.4995	
56 1,1-Dichloropropene	75	6.714	6.714	0.000	95	27950	0.5000	0.4880	
58 Isobutyl alcohol	41	6.915	6.909	0.006	30	8996	25.0	25.3	M
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.945	6.945	0.000	65	95242	10.0	9.98	
60 Benzene	78	6.976	6.976	0.000	92	85288	0.5000	0.4940	
61 1,2-Dichloroethane	62	7.049	7.049	0.000	96	19931	0.5000	0.4949	
63 Tert-amyl methyl ether	73	7.177	7.183	-0.006	98	42460	0.5000	0.4728	
* 64 Fluorobenzene (IS)	96	7.384	7.390	-0.006	99	2144225	10.0	10.0	
65 n-Heptane	43	7.403	7.409	-0.006	85	28277	0.5000	0.5253	
67 n-Butanol	56	7.860	7.805	0.055	27	8252	43.8	31.4	
68 Trichloroethene	95	7.878	7.872	0.006	97	23267	0.5000	0.4929	
69 Methylcyclohexane	83	8.177	8.171	0.006	88	35850	0.5000	0.4985	
70 1,2-Dichloropropane	63	8.201	8.195	0.006	94	19842	0.5000	0.4868	
71 2-ethoxy-2-methyl butane	87	8.226	8.226	0.000	92	30343	0.5000	0.4676	
72 Methyl methacrylate	69	8.317	8.305	0.012	71	5223	0.5000	0.4245	M
73 1,4-Dioxane	88	8.317	8.305	0.012	1	838	25.0	22.9	M
74 Dibromomethane	93	8.311	8.311	0.000	93	8510	0.5000	0.4760	
76 Dichlorobromomethane	83	8.549	8.555	-0.006	99	23026	0.5000	0.4682	
77 2-Nitropropane	41	8.841	8.829	0.012	99	10229	2.50	2.56	M
79 1-Bromo-2-chloroethane	63	8.945	8.945	0.000	96	16611	0.5000	0.4693	M
81 cis-1,3-Dichloropropene	75	9.116	9.116	0.000	96	27443	0.5000	0.4603	
82 4-Methyl-2-pentanone (MIBK)	43	9.317	9.311	0.006	97	68982	5.00	4.57	
$ 83 Toluene-d8 (Surr)	98	9.439	9.439	0.000	93	2113991	10.0	10.0	
84 Toluene	92	9.512	9.518	-0.006	98	55689	0.5000	0.4884	
85 trans-1,3-Dichloropropene	75	9.799	9.792	0.007	92	19514	0.5000	0.4345	
86 Ethyl methacrylate	69	9.884	9.866	0.018	85	11803	0.5000	0.4245	M
107 1,1,2-Trichloroethane	97	10.006	10.000	0.006	89	12334	0.5000	0.4756	
S 106 1,3-Dichloropropene, Total	100				0			0.8948	
108 Tetrachloroethene	166	10.091	10.091	0.000	98	27112	0.5000	0.4930	
109 1,3-Dichloropropane	76	10.170	10.164	0.006	91	19739	0.5000	0.4636	
110 2-Hexanone	43	10.256	10.237	0.019	97	30953	5.00	3.38	M
112 Chlorodibromomethane	129	10.390	10.384	0.006	90	14578	0.5000	0.4460	
113 Ethylene Dibromide	107	10.506	10.494	0.012	97	10794	0.5000	0.4609	
* 114 Chlorobenzene-d5 (IS)	117	10.939	10.939	0.000	84	1612597	10.0	10.0	
115 1-Chlorohexane	91	10.957	10.951	0.006	94	30867	0.5000	0.4963	
116 Chlorobenzene	112	10.963	10.963	0.000	97	63690	0.5000	0.4879	
117 1,1,1,2-Tetrachloroethane	131	11.048	11.048	0.000	93	21494	0.5000	0.4754	
118 Ethylbenzene	91	11.060	11.054	0.006	98	106937	0.5000	0.4871	
120 m-Xylene & p-Xylene	106	11.176	11.170	0.006	100	83770	1.00	0.9654	

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			1.44	
121 o-Xylene	106	11.512	11.506	0.006	97	40499	0.5000	0.4749	
122 Styrene	104	11.536	11.524	0.012	93	56183	0.5000	0.4404	a
123 Bromoform	173	11.682	11.676	0.006	94	6891	0.5000	0.3958	
124 Isopropylbenzene	105	11.810	11.810	0.000	95	103248	0.5000	0.4885	
$ 127 4-Bromofluorobenzene (Surr)	95	11.951	11.951	0.000	93	738532	10.0	9.96	
128 1,1,2,2-Tetrachloroethane	83	12.060	12.060	0.000	93	13641	0.5000	0.4786	a
129 Bromobenzene	156	12.072	12.066	0.006	89	26136	0.5000	0.4890	
130 trans-1,4-Dichloro-2-butene	53	12.097	12.085	0.012	90	28712	5.00	4.56	
131 1,2,3-Trichloropropane	110	12.109	12.103	0.006	73	3730	0.5000	0.4890	
132 N-Propylbenzene	91	12.146	12.140	0.006	99	124465	0.5000	0.4879	
133 2-Chlorotoluene	126	12.219	12.213	0.006	98	27695	0.5000	0.4970	
134 1,3,5-Trimethylbenzene	105	12.280	12.280	0.000	93	92554	0.5000	0.4845	
135 4-Chlorotoluene	126	12.316	12.304	0.012	97	28621	0.5000	0.4963	
136 tert-Butylbenzene	134	12.518	12.518	0.000	93	21971	0.5000	0.4908	
137 Pentachloroethane	167	12.548	12.548	0.000	85	14338	0.5000	0.4397	
138 1,2,4-Trimethylbenzene	105	12.566	12.560	0.006	96	91367	0.5000	0.4724	
139 sec-Butylbenzene	105	12.682	12.682	0.000	94	116419	0.5000	0.4743	
140 1,3-Dichlorobenzene	146	12.786	12.780	0.006	98	51735	0.5000	0.4698	
141 4-Isopropyltoluene	119	12.792	12.792	0.000	97	105288	0.5000	0.4806	
* 142 1,4-Dichlorobenzene-d4	152	12.835	12.835	-0.001	94	895392	10.0	10.0	
143 1,4-Dichlorobenzene	146	12.853	12.853	0.000	95	59434	0.5000	0.5118	
144 1,2,3-Trimethylbenzene	120	12.865	12.865	0.000	97	44055	0.5000	0.5075	
145 Benzyl chloride	126	12.944	12.932	0.012	98	5064	0.5000	0.4259	M
146 p-Diethylbenzene	119	13.066	13.060	0.006	96	65252	0.5000	0.4891	
147 n-Butylbenzene	92	13.084	13.078	0.006	97	47815	0.5000	0.4676	
148 1,2-Dichlorobenzene	146	13.121	13.109	0.012	99	47240	0.5000	0.4941	
150 1,2-Dibromo-3-Chloropropane	155	13.676	13.651	0.025	85	1779	0.5000	0.4948	
151 1,3,5-Trichlorobenzene	180	13.786	13.773	0.013	98	47054	0.5000	0.4912	
152 1,2,4-Trichlorobenzene	180	14.212	14.194	0.018	94	36904	0.5000	0.4650	
153 Hexachlorobutadiene	225	14.279	14.279	0.000	96	22070	0.5000	0.5008	
154 Naphthalene	128	14.395	14.371	0.024	97	49468	0.5000	0.4775	
155 1,2,3-Trichlorobenzene	180	14.523	14.517	0.006	96	31983	0.5000	0.4850	
156 2-Methylnaphthalene	142	15.157	15.108	0.049	92	22721	0.5000	0.4080	M
167 Pentane	43	2.800	2.806	-0.006	97	28416	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_00143	Amount Added:	2.00	Units: uL	
MSV_LL_GAS826_00229	Amount Added:	2.00	Units: uL	
MSV_LL_#2_826_00149	Amount Added:	2.00	Units: uL	
MSV_HP25_ISSS_00094	Amount Added:	1.00	Units: uL	Run Reagent

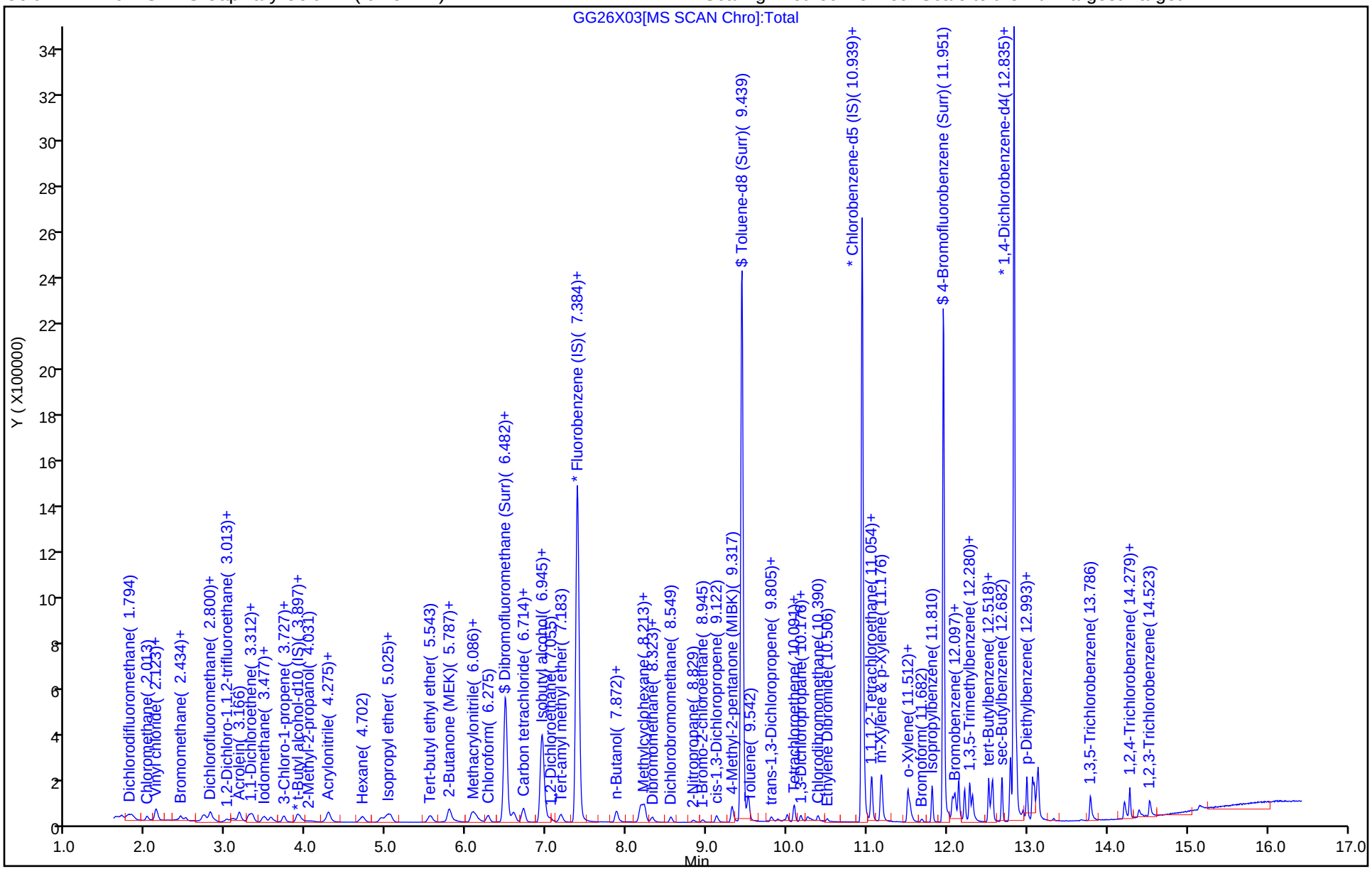
Report Date: 29-Aug-2024 10:39:11 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Lancaster Laboratories Environment Testing, LLC

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Injection Date:	26-Aug-2024 15:11:30	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



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

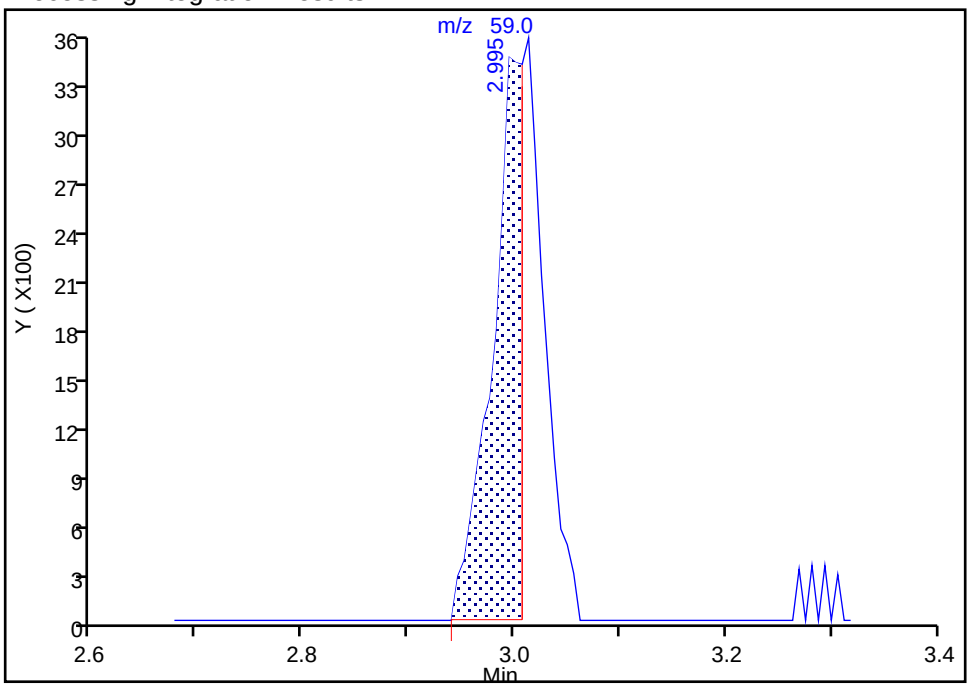
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Injection Date:	26-Aug-2024 15:11:30	Instrument ID:	16334		
Lims ID:	IC std2				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	3	Worklist Smp#:	14
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

13 Ethyl ether, CAS: 60-29-7

Signal: 1

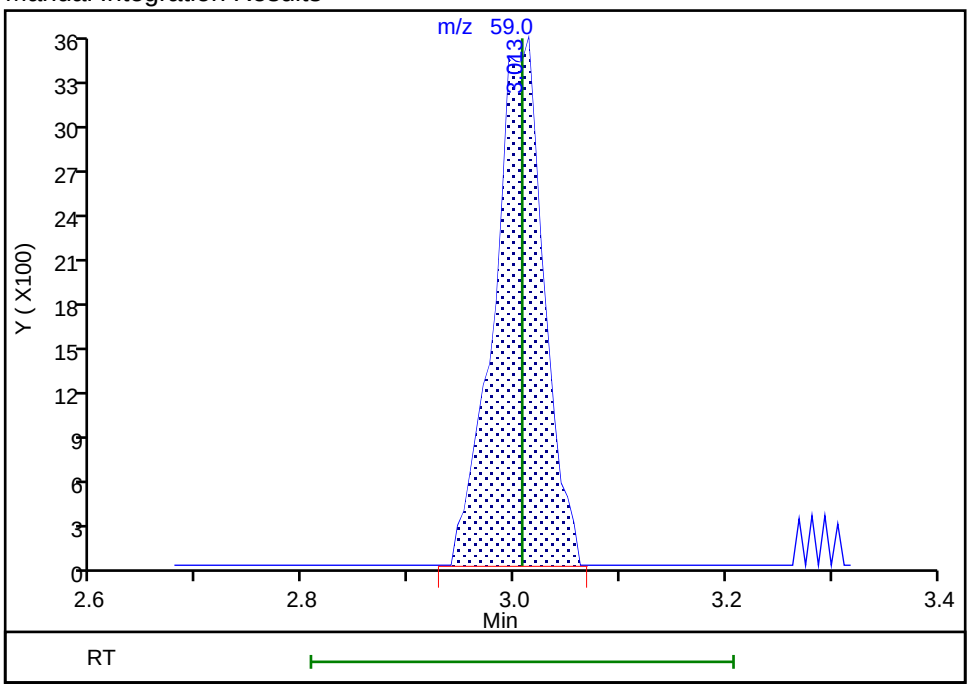
Processing Integration Results

RT: 2.99
Area: 7110
Amount: 0.307809
Amount Units: ug/l



Manual Integration Results

RT: 3.01
Area: 11667
Amount: 0.467637
Amount Units: ug/l



Reviewer: JS6E, 26-Aug-2024 23:28:19 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

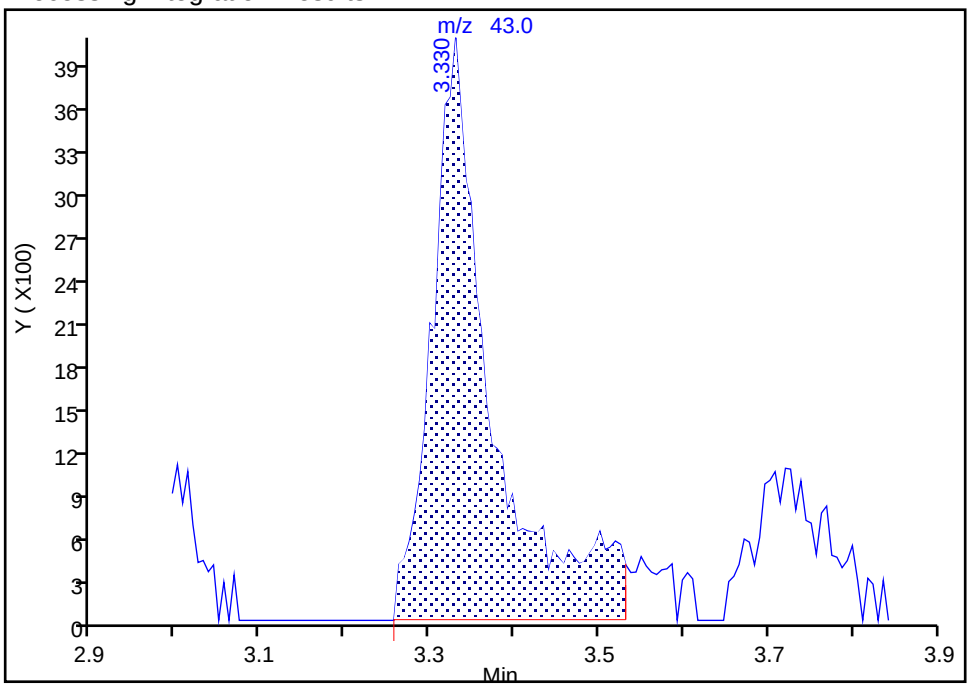
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Injection Date: 26-Aug-2024 15:11:30 Instrument ID: 16334
Lims ID: IC std2
Client ID:
Operator ID: knk41612 ALS Bottle#: 3 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

19 Acetone, CAS: 67-64-1

Signal: 1

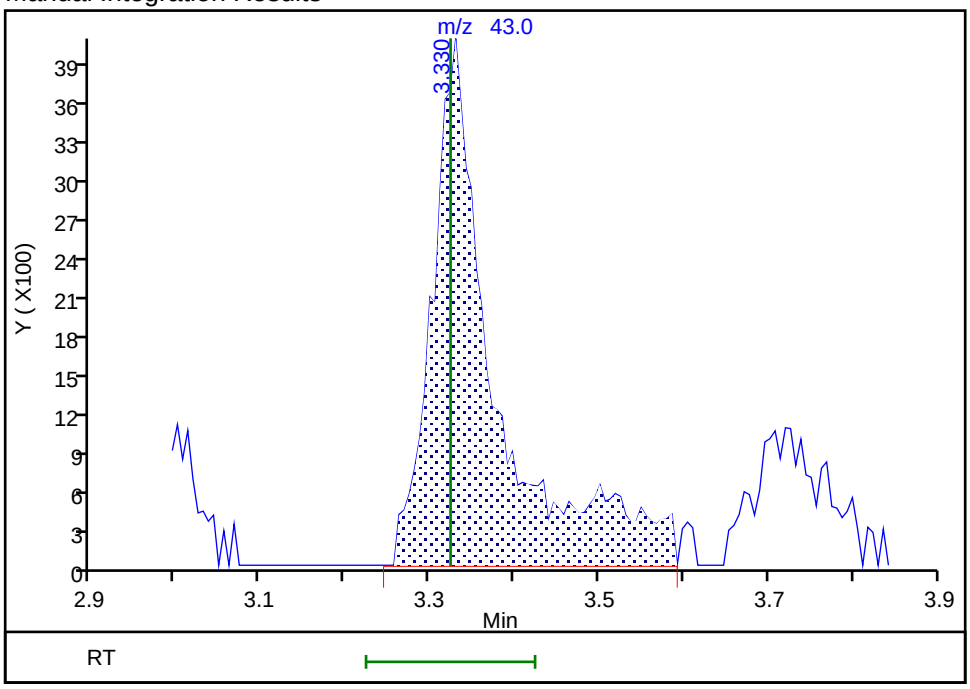
Processing Integration Results

RT: 3.33
Area: 19971
Amount: 5.402414
Amount Units: ug/l



Manual Integration Results

RT: 3.33
Area: 21163
Amount: 5.425766
Amount Units: ug/l



Reviewer: JS6E, 26-Aug-2024 23:28:34 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

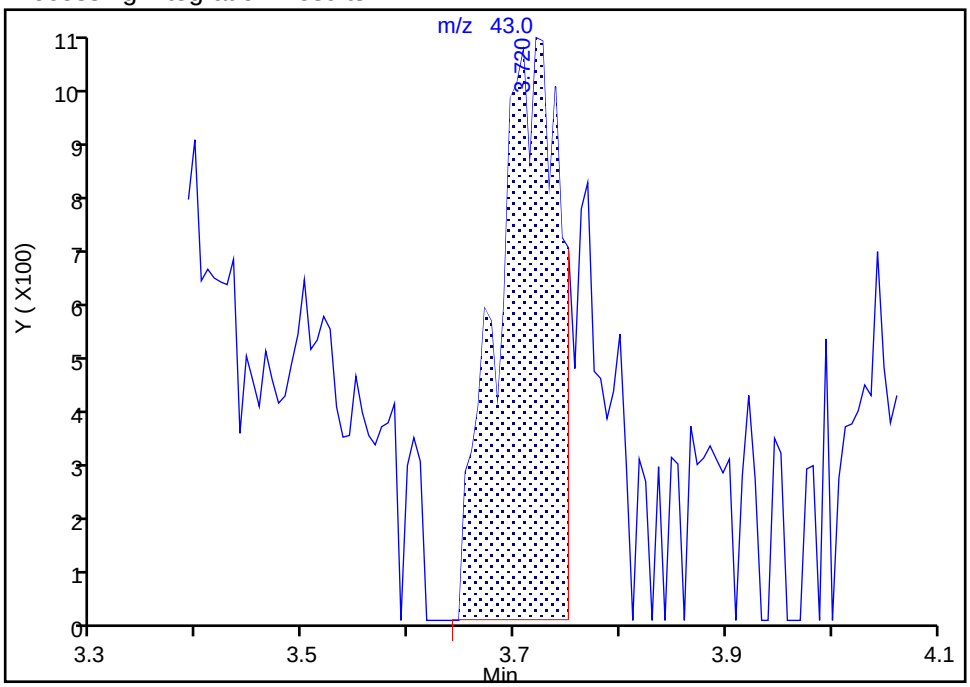
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Injection Date:	26-Aug-2024 15:11:30	Instrument ID:	16334		
Lims ID:	IC std2				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	3	Worklist Smp#:	14
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

25 Methyl acetate, CAS: 79-20-9

Signal: 1

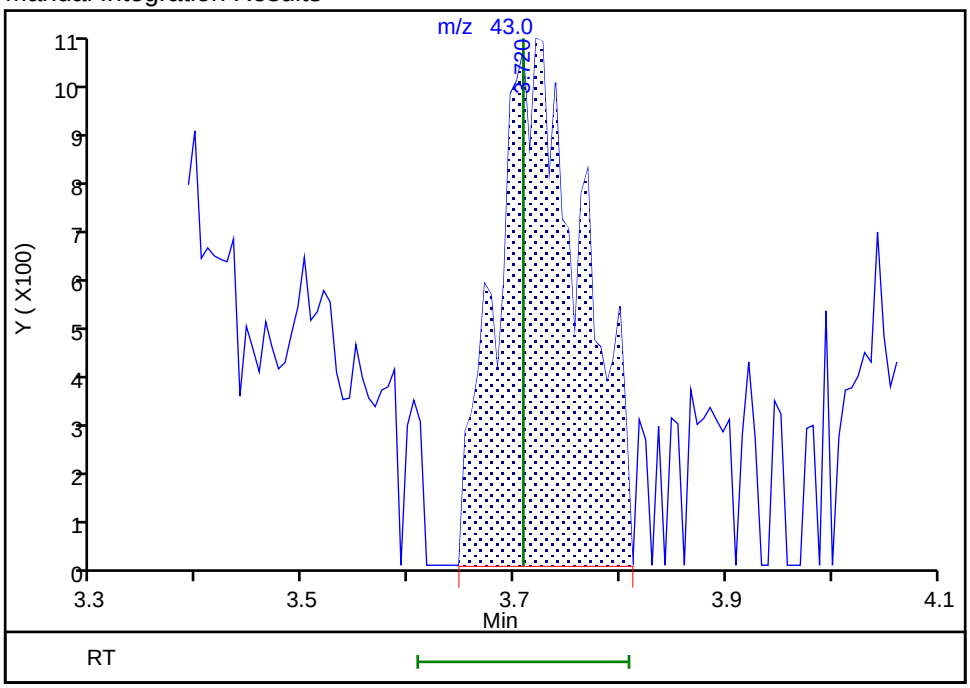
Processing Integration Results

RT: 3.72
Area: 4420
Amount: 0.495803
Amount Units: ug/l



Manual Integration Results

RT: 3.72
Area: 6062
Amount: 0.611901
Amount Units: ug/l



Reviewer: JS6E, 26-Aug-2024 23:28:47 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

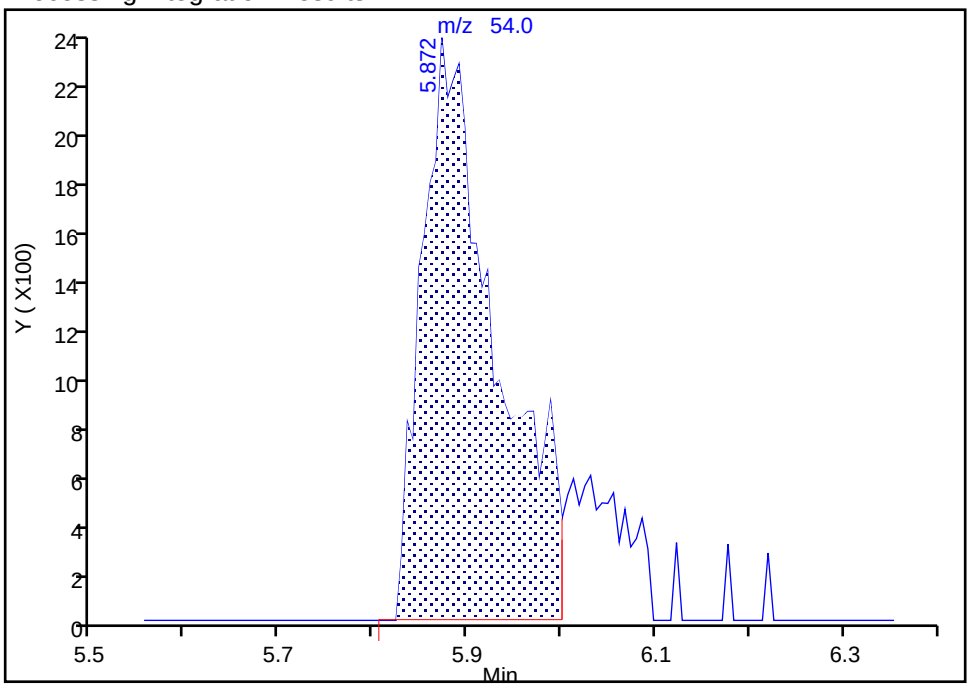
Data File: \\chromfs\Lancaster\ChromData\16334\20240826-123245.b\GG26X03.D
Injection Date: 26-Aug-2024 15:11:30 Instrument ID: 16334
Lims ID: IC std2
Client ID:
Operator ID: knk41612 ALS Bottle#: 3 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

45 Propionitrile, CAS: 107-12-0

Signal: 1

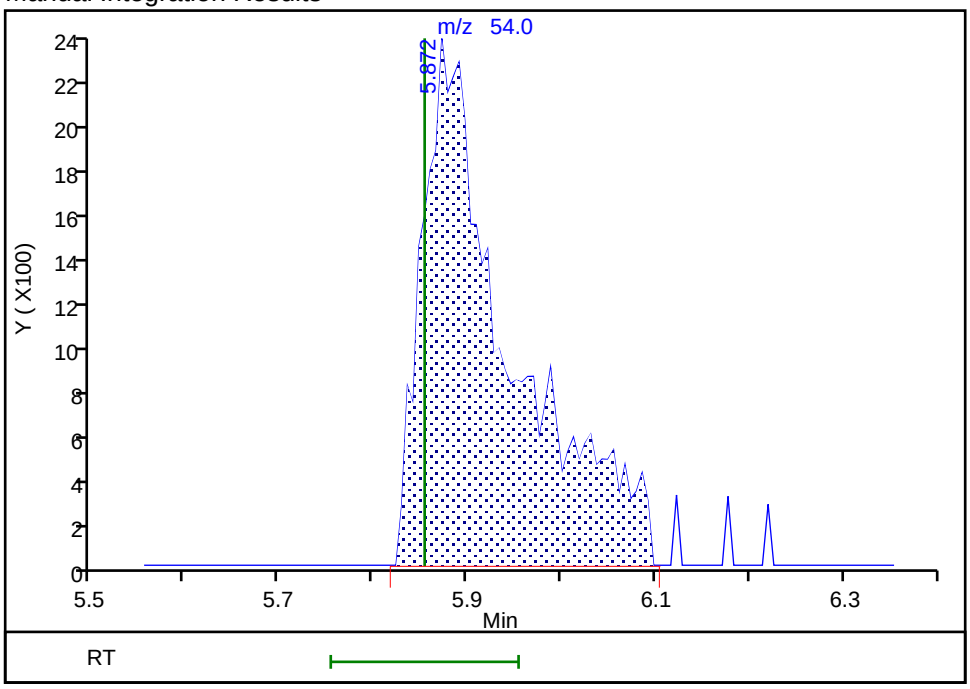
RT: 5.87
Area: 12675
Amount: 8.295900
Amount Units: ug/l

Processing Integration Results



Manual Integration Results

RT: 5.87
Area: 15078
Amount: 9.483001
Amount Units: ug/l



Reviewer: JS6E, 26-Aug-2024 23:47:48 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

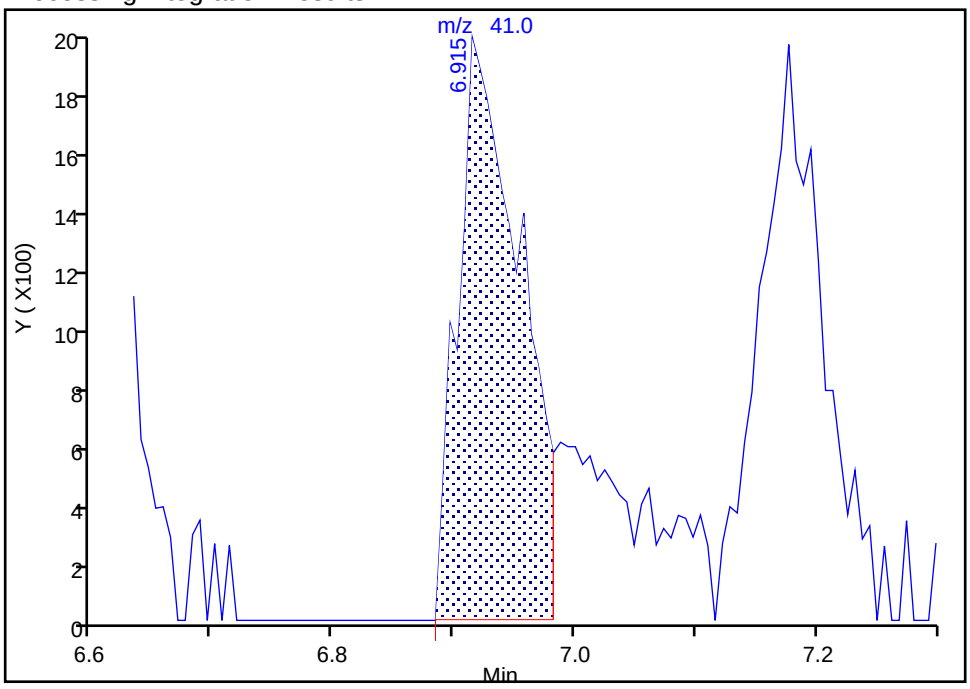
Data File:	\\chromfs\Lancaster\ChromData\16334\20240826-123245.b\GG26X03.D				
Injection Date:	26-Aug-2024 15:11:30	Instrument ID:	16334		
Lims ID:	IC std2				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	3	Worklist Smp#:	14
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

58 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

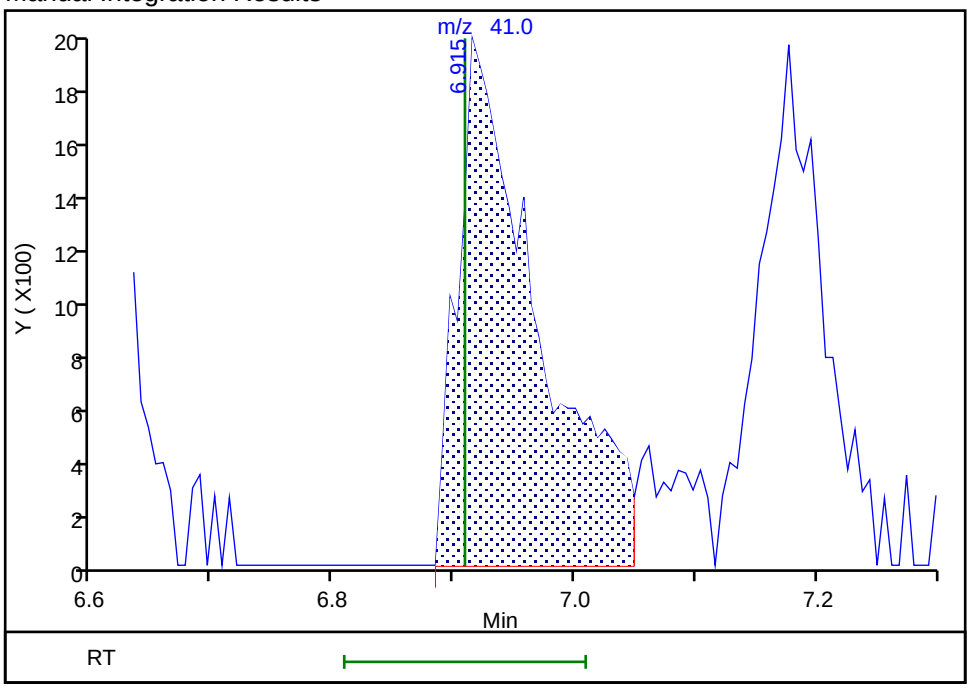
Processing Integration Results

RT: 6.91
Area: 7036
Amount: 20.648805
Amount Units: ug/l



Manual Integration Results

RT: 6.91
Area: 8996
Amount: 25.268323
Amount Units: ug/l



Reviewer: JS6E, 26-Aug-2024 23:29:12 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

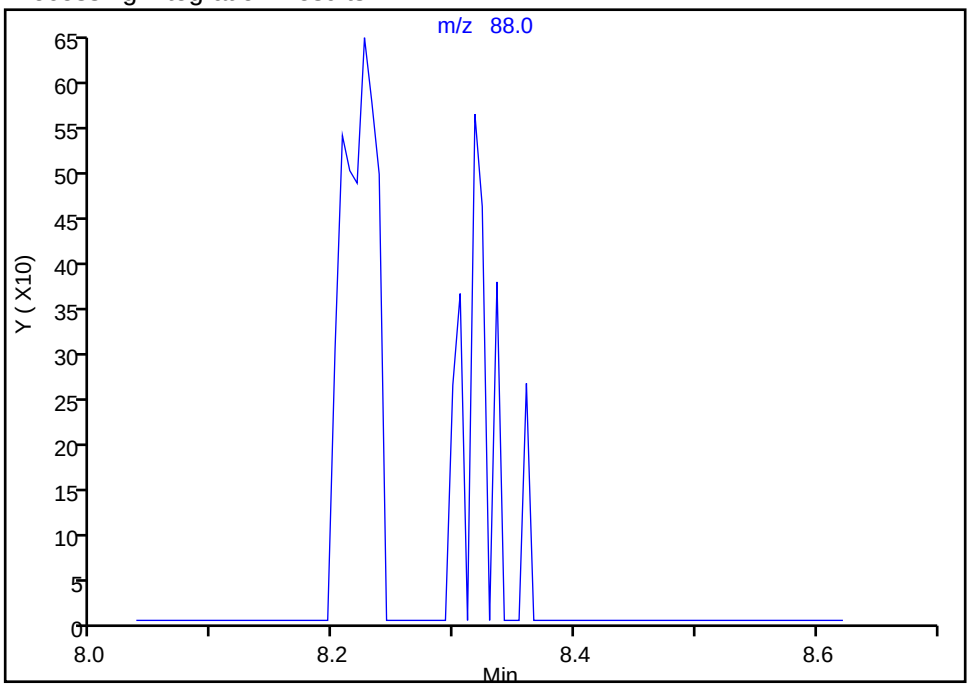
Data File:	\\chromfs\Lancaster\ChromData\16334\20240826-123245.b\GG26X03.D				
Injection Date:	26-Aug-2024 15:11:30	Instrument ID:	16334		
Lims ID:	IC std2				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	3	Worklist Smp#:	14
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

73 1,4-Dioxane, CAS: 123-91-1

Signal: 1

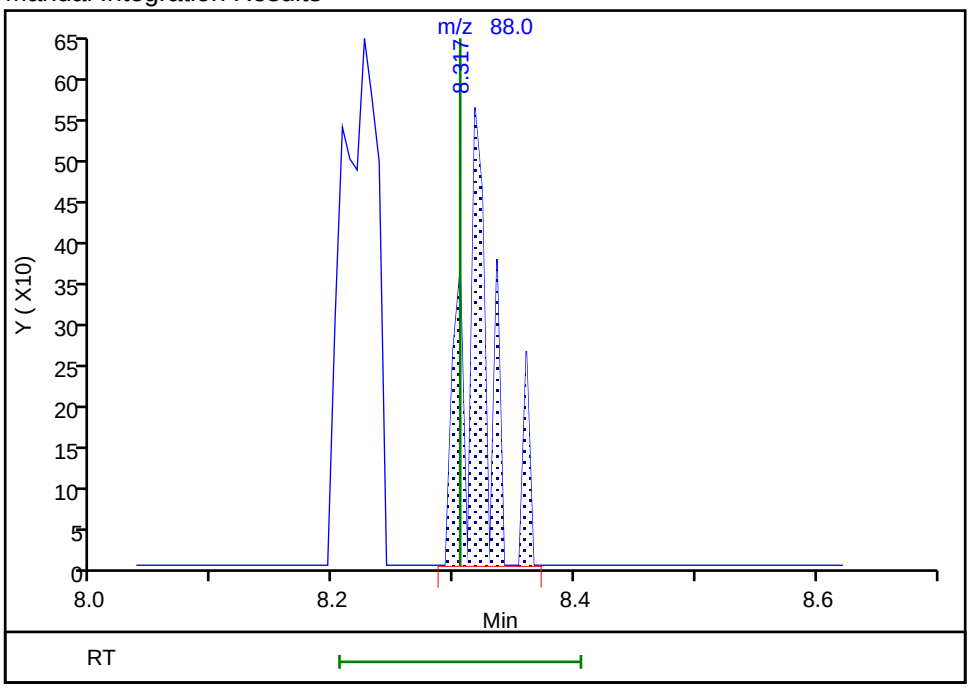
Not Detected
Expected RT: 8.30

Processing Integration Results



Manual Integration Results

RT: 8.32
Area: 838
Amount: 22.854714
Amount Units: ug/l



Reviewer: JS6E, 26-Aug-2024 23:29:36 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

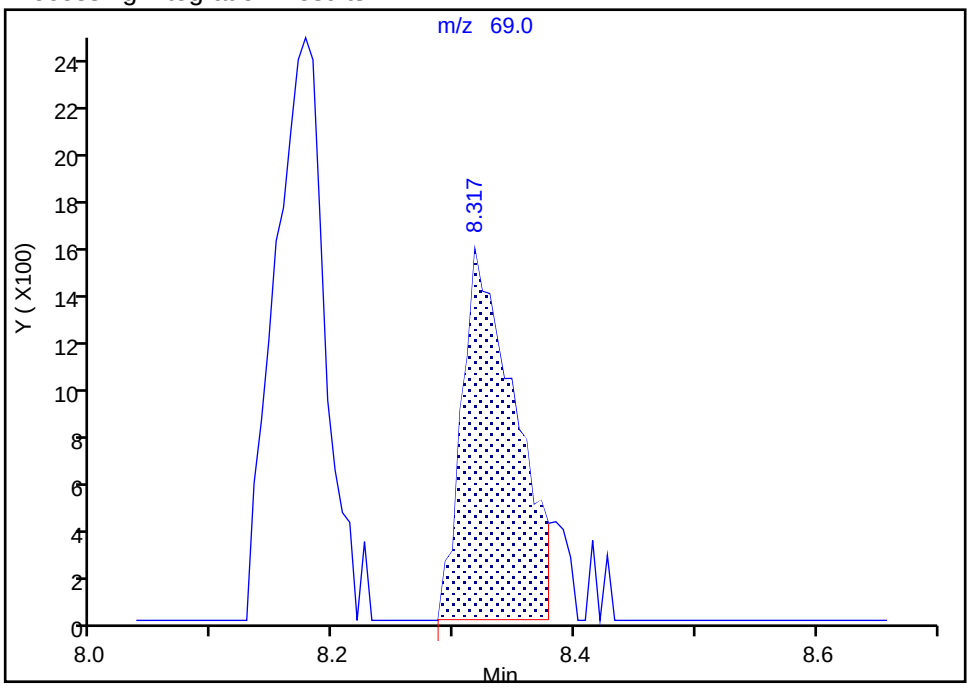
Data File:	\\chromfs\Lancaster\ChromData\16334\20240826-123245.b\GG26X03.D				
Injection Date:	26-Aug-2024 15:11:30	Instrument ID:	16334		
Lims ID:	IC std2				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	3	Worklist Smp#:	14
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

72 Methyl methacrylate, CAS: 80-62-6

Signal: 1

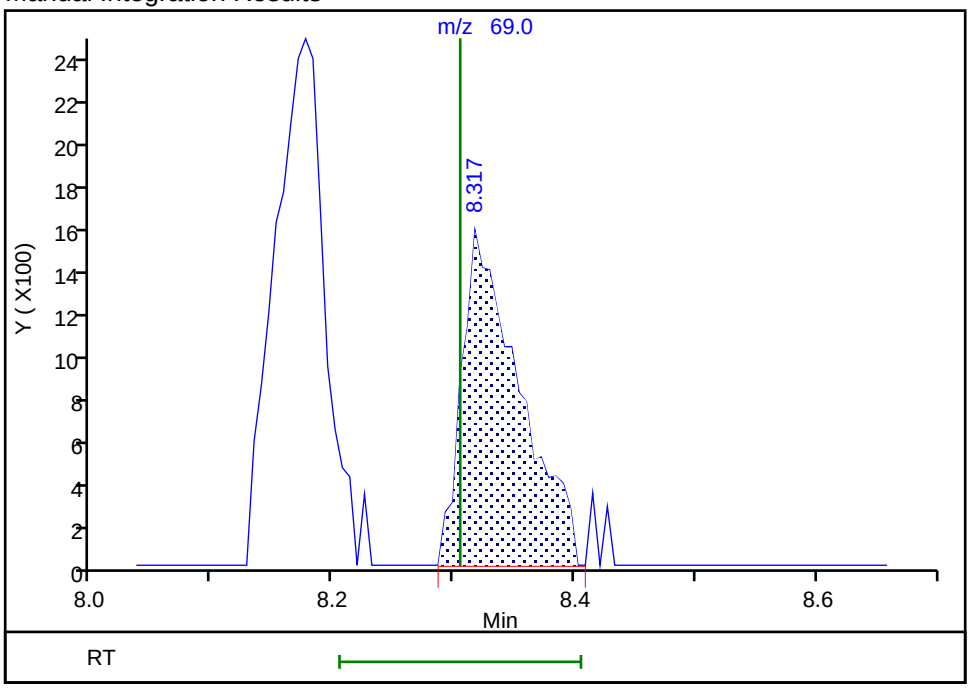
Processing Integration Results

RT: 8.32
Area: 4829
Amount: 0.444270
Amount Units: ug/l



Manual Integration Results

RT: 8.32
Area: 5223
Amount: 0.424463
Amount Units: ug/l



Reviewer: JS6E, 26-Aug-2024 23:29:27 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

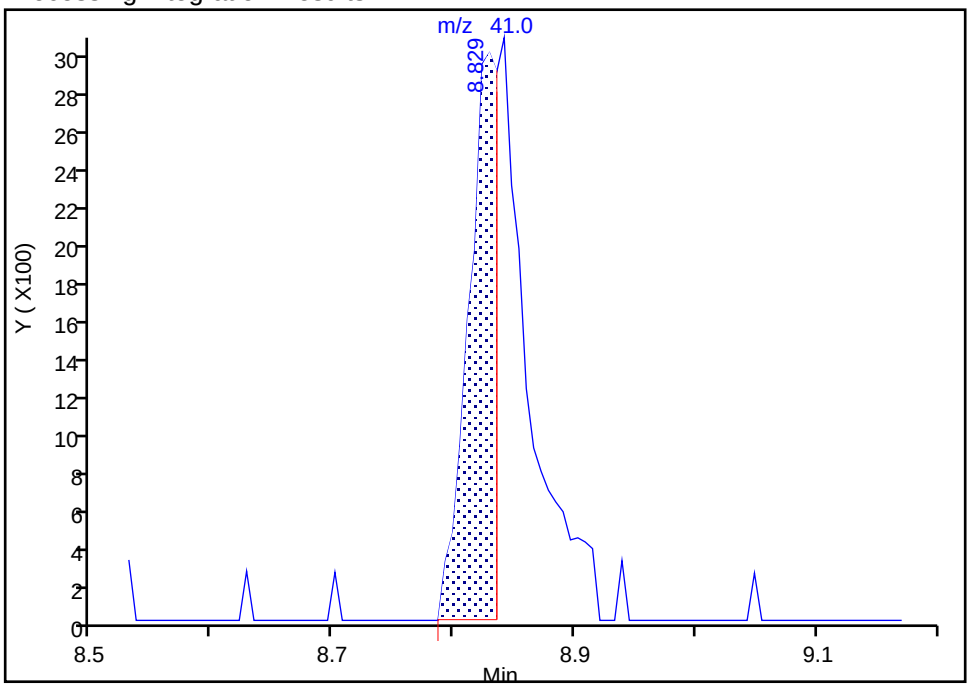
Data File:	\\chromfs\Lancaster\ChromData\16334\20240826-123245.b\GG26X03.D				
Injection Date:	26-Aug-2024 15:11:30	Instrument ID:	16334		
Lims ID:	IC std2				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	3	Worklist Smp#:	14
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

77 2-Nitropropane, CAS: 79-46-9

Signal: 1

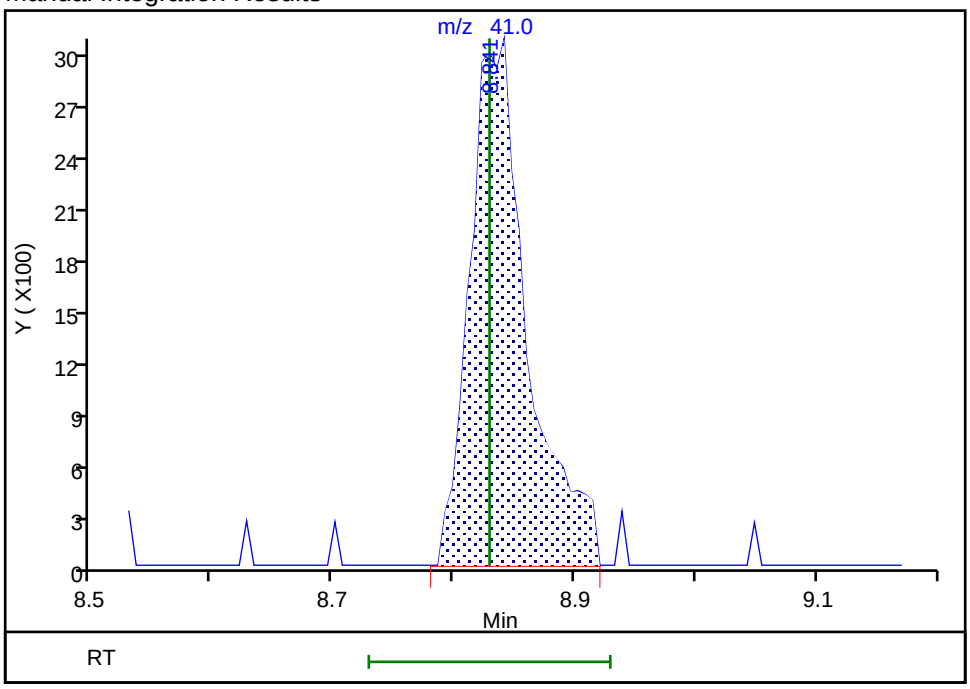
Processing Integration Results

RT: 8.83
Area: 5169
Amount: 1.418759
Amount Units: ug/l



Manual Integration Results

RT: 8.84
Area: 10229
Amount: 2.559875
Amount Units: ug/l



Reviewer: JS6E, 26-Aug-2024 23:29:50 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

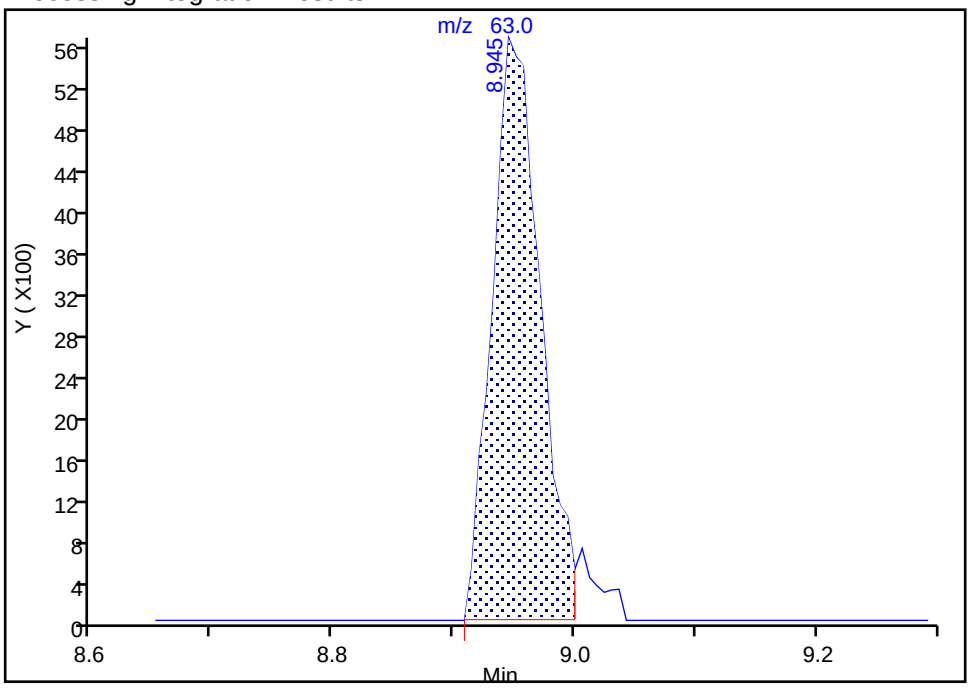
Data File:	\\chromfs\Lancaster\ChromData\16334\20240826-123245.b\GG26X03.D				
Injection Date:	26-Aug-2024 15:11:30	Instrument ID:	16334		
Lims ID:	IC std2				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	3	Worklist Smp#:	14
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

79 1-Bromo-2-chloroethane, CAS: 107-04-0

Signal: 1

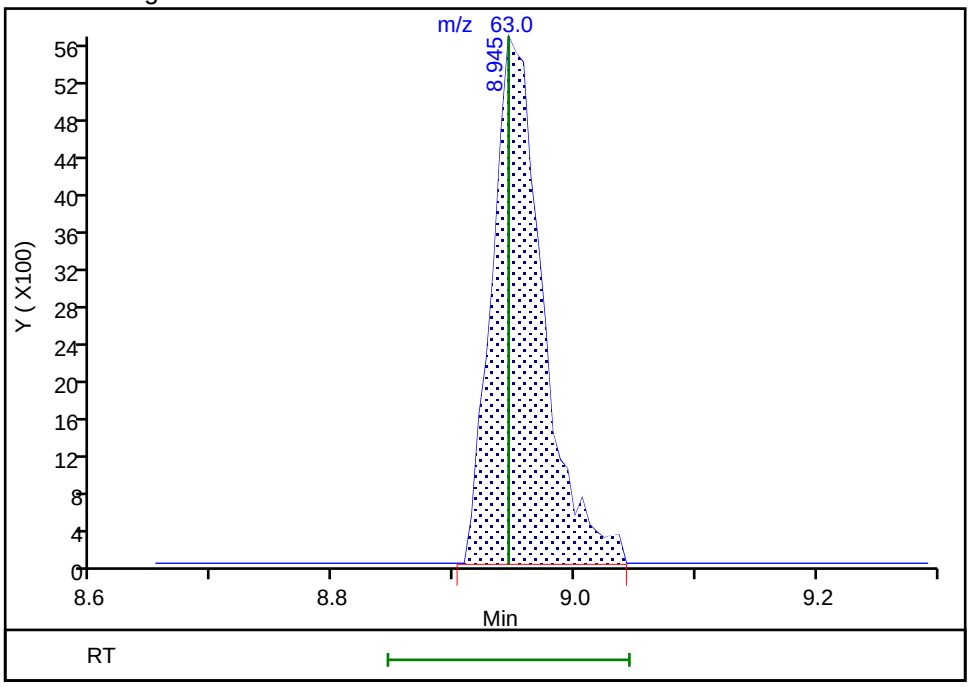
Processing Integration Results

RT: 8.95
Area: 15760
Amount: 0.448317
Amount Units: ug/l



Manual Integration Results

RT: 8.95
Area: 16611
Amount: 0.469279
Amount Units: ug/l



Reviewer: JS6E, 26-Aug-2024 23:30:03 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

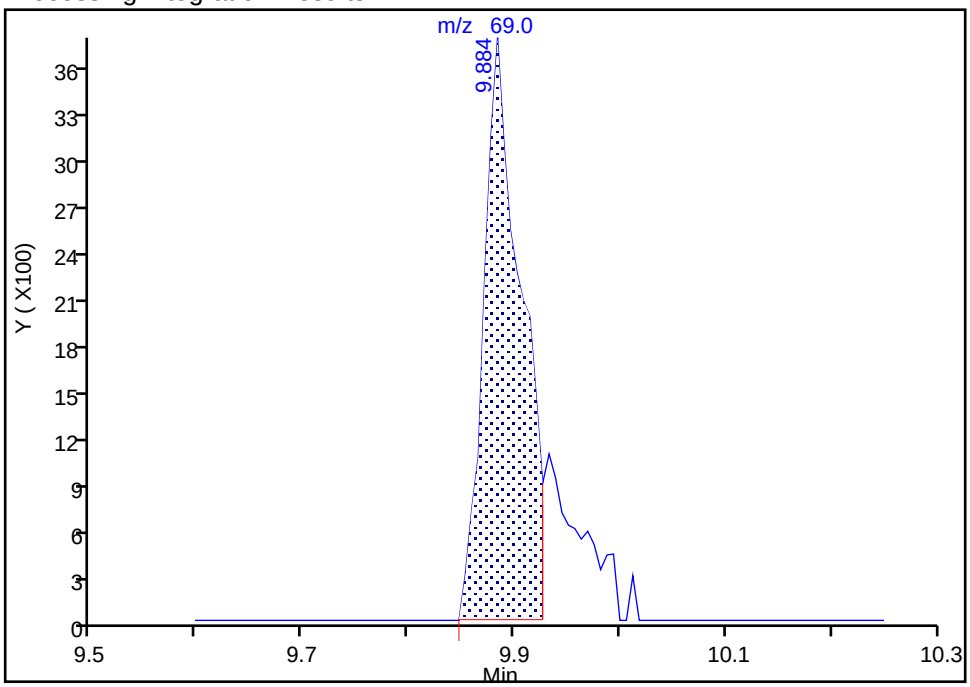
Data File:	\\chromfs\Lancaster\ChromData\16334\20240826-123245.b\GG26X03.D				
Injection Date:	26-Aug-2024 15:11:30	Instrument ID:	16334		
Lims ID:	IC std2				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	3	Worklist Smp#:	14
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

86 Ethyl methacrylate, CAS: 97-63-2

Signal: 1

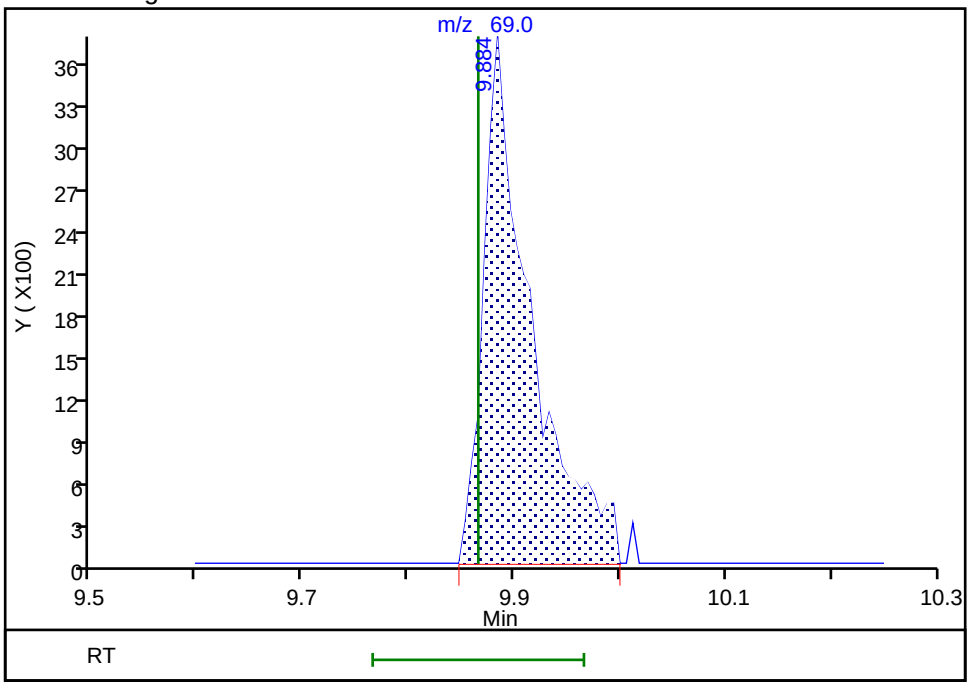
Processing Integration Results

RT: 9.88
Area: 9350
Amount: 0.436819
Amount Units: ug/l



Manual Integration Results

RT: 9.88
Area: 11803
Amount: 0.424452
Amount Units: ug/l



Reviewer: JS6E, 26-Aug-2024 23:58:09 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

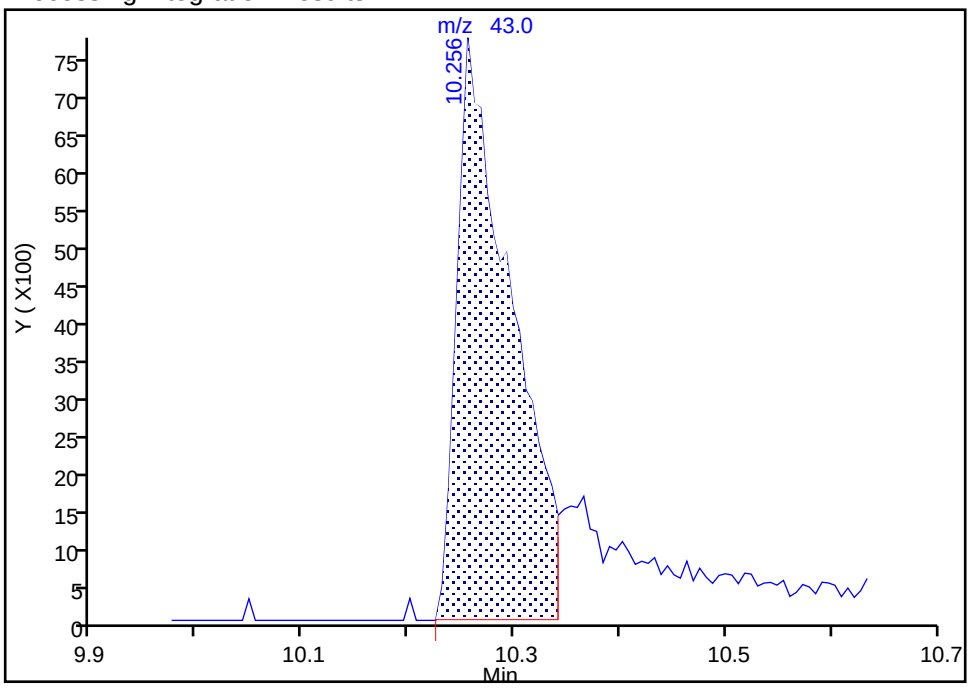
Data File:	\\chromfs\Lancaster\ChromData\16334\20240826-123245.b\GG26X03.D				
Injection Date:	26-Aug-2024 15:11:30	Instrument ID:	16334		
Lims ID:	IC std2				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	3	Worklist Smp#:	14
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

110 2-Hexanone, CAS: 591-78-6

Signal: 1

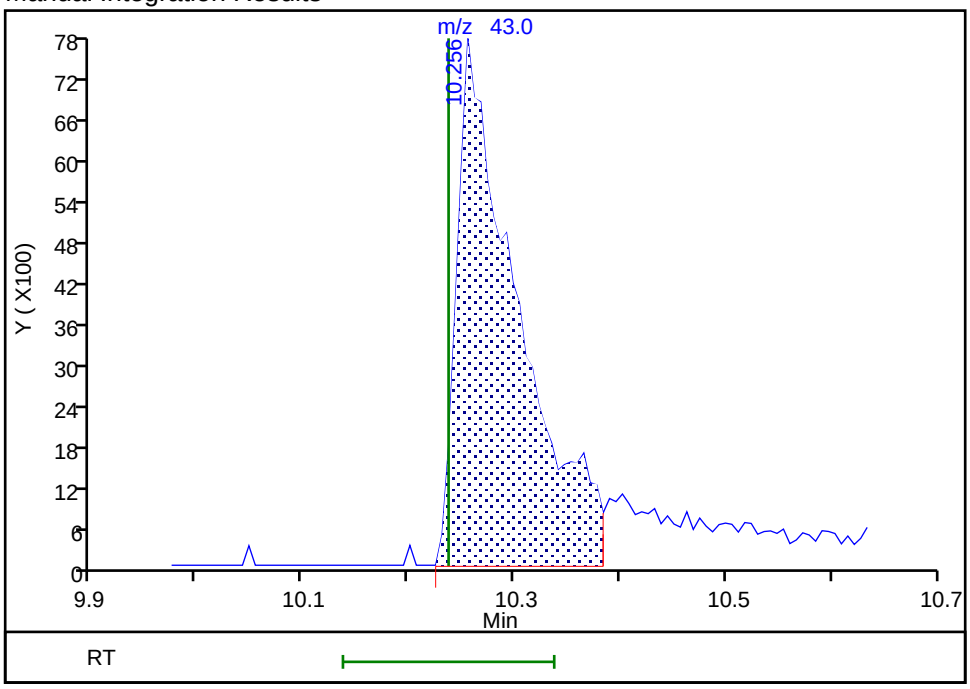
Processing Integration Results

RT: 10.26
Area: 27543
Amount: 4.293285
Amount Units: ug/l



Manual Integration Results

RT: 10.26
Area: 30953
Amount: 3.376690
Amount Units: ug/l



Reviewer: JS6E, 27-Aug-2024 00:03:00 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

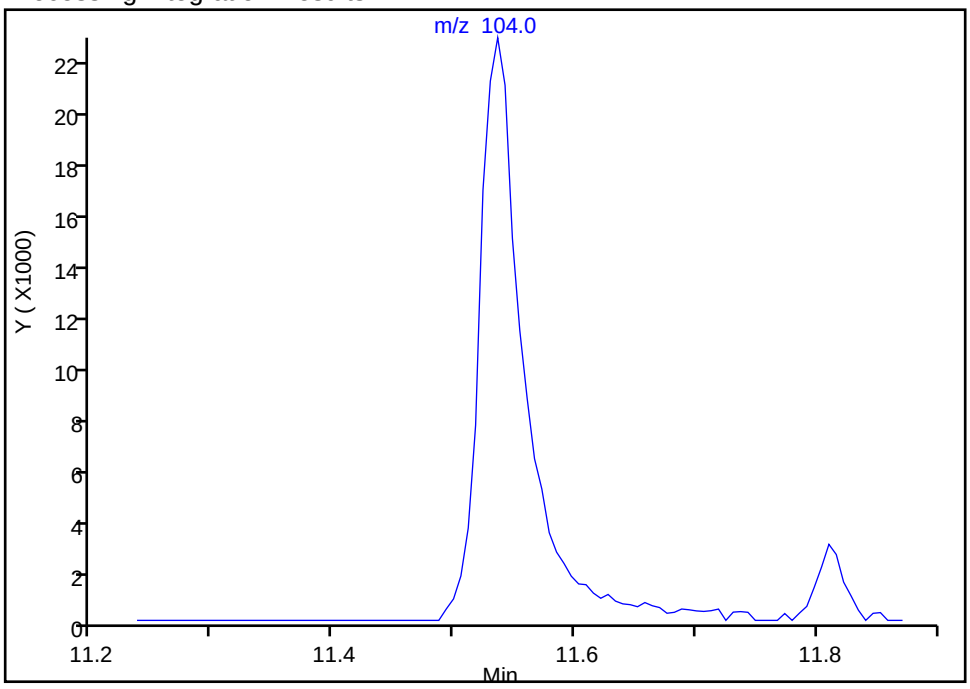
Data File:	\\chromfs\Lancaster\ChromData\16334\20240826-123245.b\GG26X03.D				
Injection Date:	26-Aug-2024 15:11:30	Instrument ID:	16334		
Lims ID:	IC std2				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	3	Worklist Smp#:	14
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

122 Styrene, CAS: 100-42-5

Signal: 1

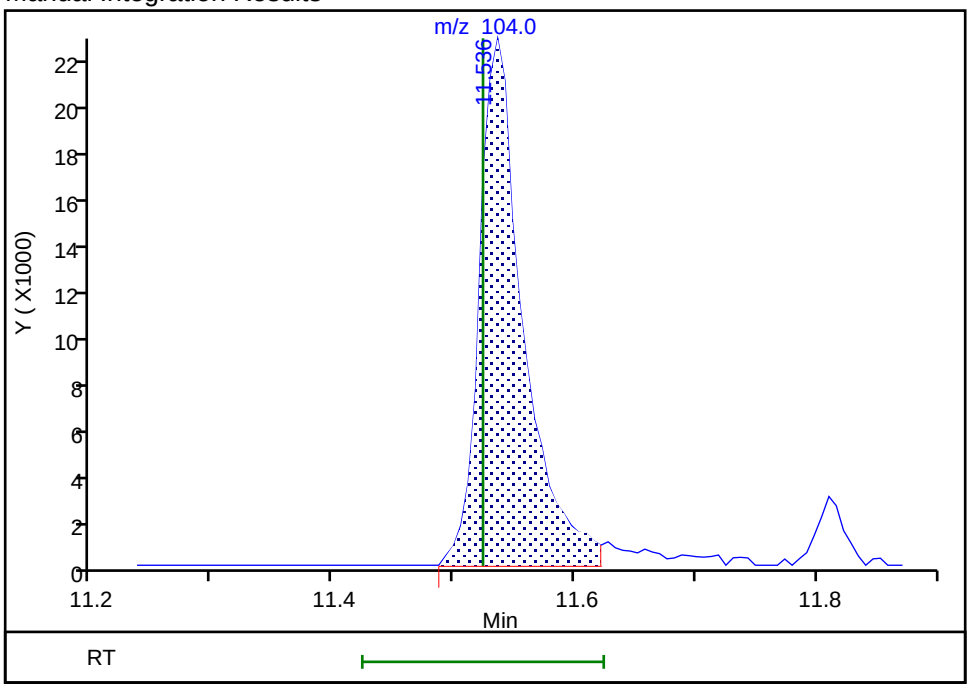
Not Detected
Expected RT: 11.52

Processing Integration Results



Manual Integration Results

RT: 11.54
Area: 56183
Amount: 0.440384
Amount Units: ug/l



Reviewer: JS6E, 26-Aug-2024 23:30:30 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

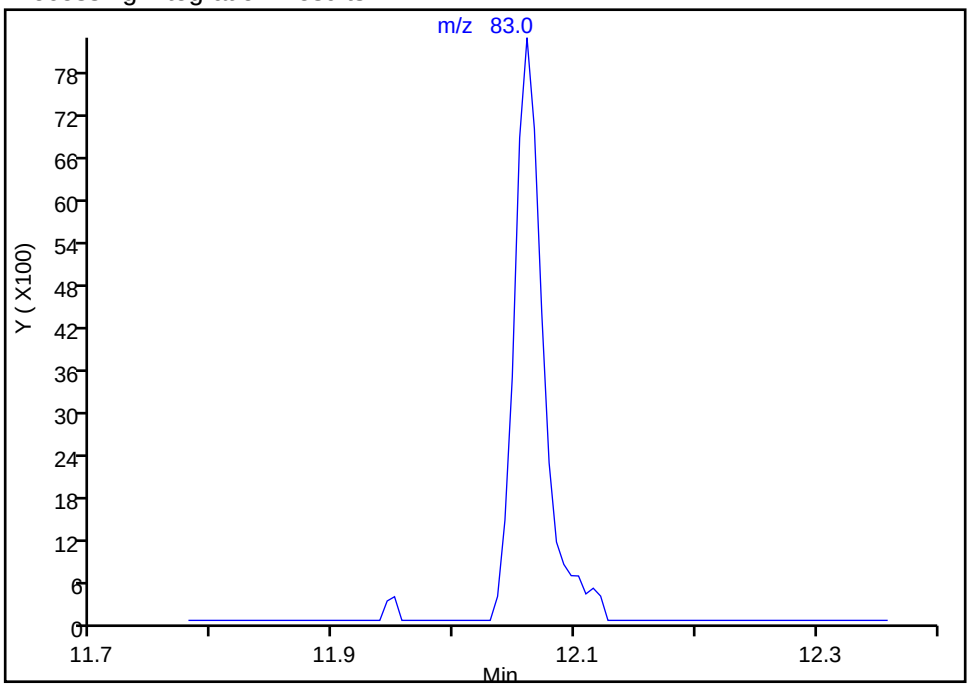
Data File:	\\chromfs\Lancaster\ChromData\16334\20240826-123245.b\GG26X03.D				
Injection Date:	26-Aug-2024 15:11:30	Instrument ID:	16334		
Lims ID:	IC std2				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	3	Worklist Smp#:	14
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

128 1,1,2,2-Tetrachloroethane, CAS: 79-34-5

Signal: 1

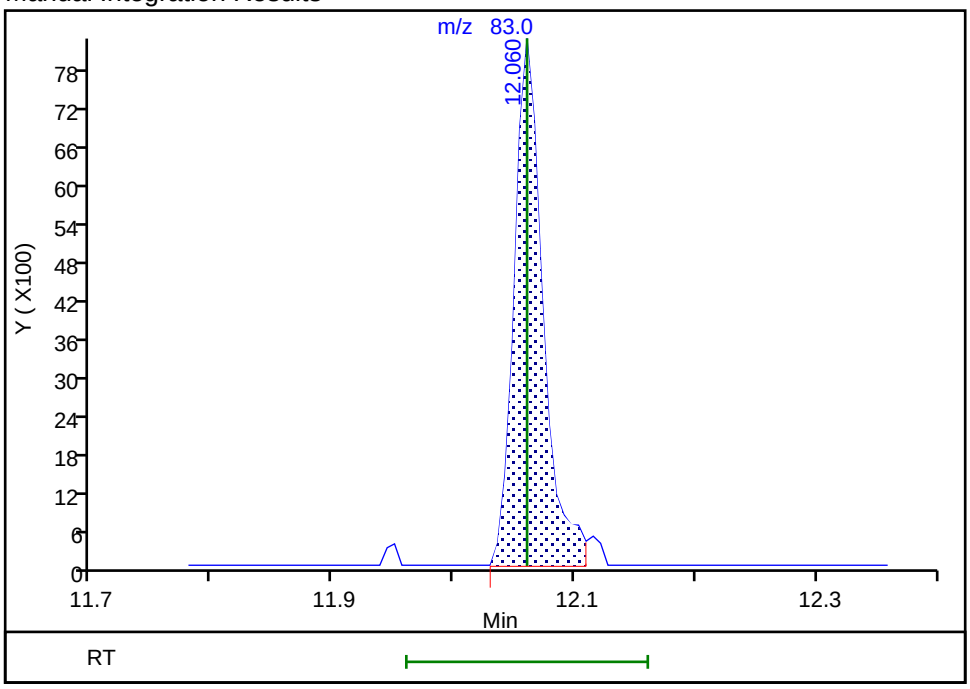
Not Detected
Expected RT: 12.06

Processing Integration Results



Manual Integration Results

RT: 12.06
Area: 13641
Amount: 0.478617
Amount Units: ug/l



Reviewer: JS6E, 26-Aug-2024 23:30:38 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

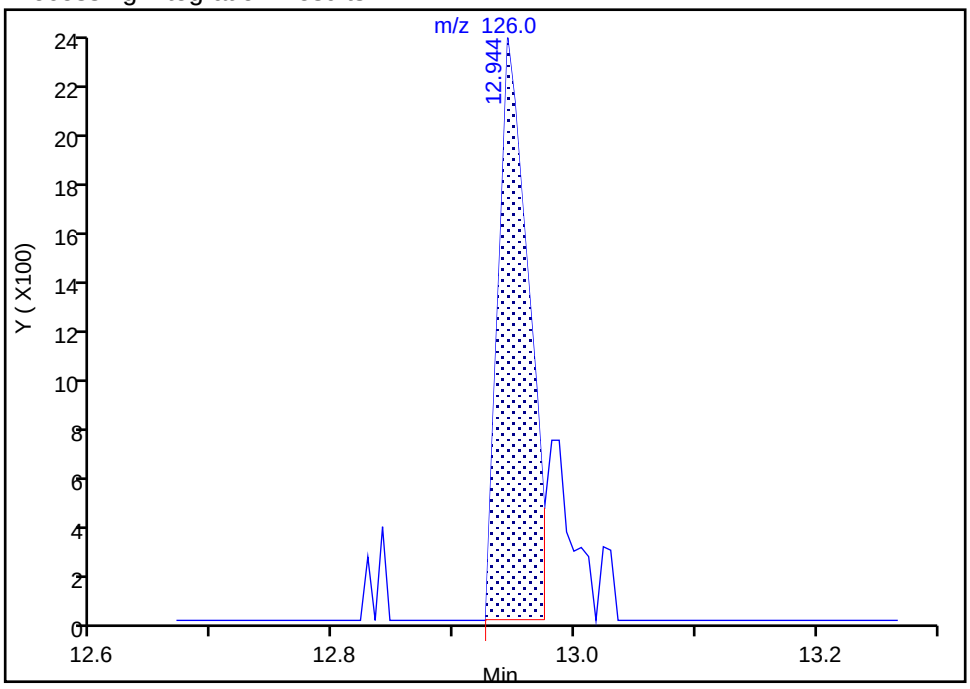
Data File: \\chromfs\Lancaster\ChromData\16334\20240826-123245.b\GG26X03.D
Injection Date: 26-Aug-2024 15:11:30 Instrument ID: 16334
Lims ID: IC std2
Client ID:
Operator ID: knk41612 ALS Bottle#: 3 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

145 Benzyl chloride, CAS: 100-44-7

Signal: 1

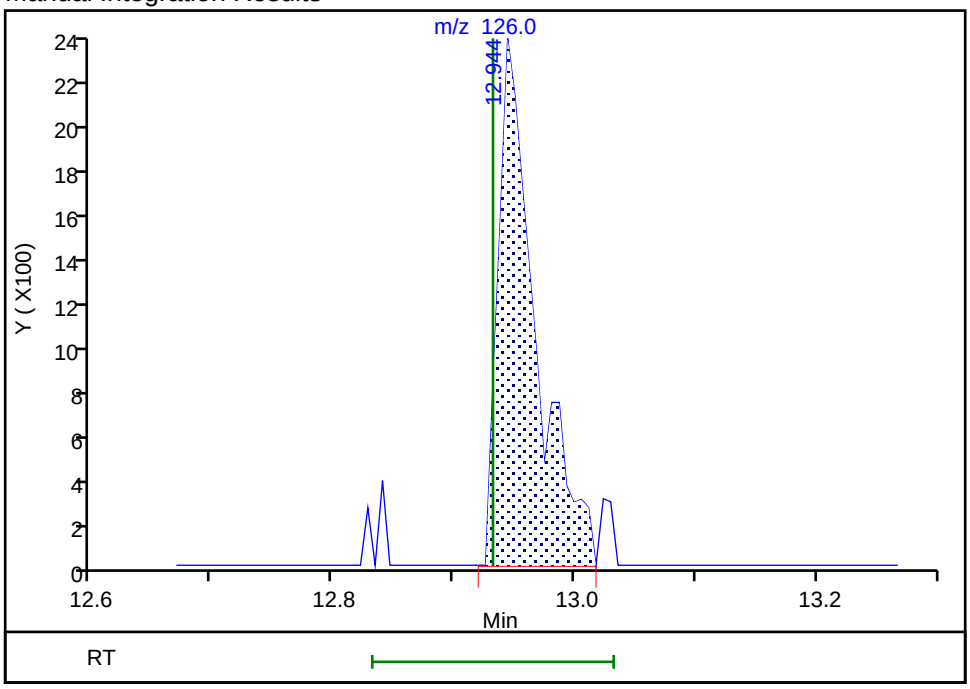
Processing Integration Results

RT: 12.94
Area: 4094
Amount: 0.354814
Amount Units: ug/l



Manual Integration Results

RT: 12.94
Area: 5064
Amount: 0.425923
Amount Units: ug/l



Reviewer: JS6E, 27-Aug-2024 00:08:26 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20240826-123245.b\GG26X04.D
Lims ID: IC std3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 26-Aug-2024 15:33:30 ALS Bottle#: 4 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0123245-005
Misc. Info.: IC STD3
Operator ID: knk41612 Instrument ID: 16334
Sublist: chrom-MSV_16334_25mL*sub4

Method: \\chromfs\Lancaster\ChromData\16334\20240826-123245.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 29-Aug-2024 10:39:16 Calib Date: 26-Aug-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\16334\20240826-123245.b\GG26X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1615

First Level Reviewer: JS6E Date: 26-Aug-2024 22:13:22

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.837	1.831	0.006	99	52585	1.00	1.02	
5 Chloromethane	50	2.020	2.020	0.000	98	55830	1.00	1.01	
6 Vinyl chloride	62	2.129	2.123	0.006	93	50890	1.00	0.9859	
7 Butadiene	39	2.129	2.135	-0.006	90	53591	1.00	1.00	
9 Bromomethane	94	2.440	2.440	0.000	91	40242	1.00	1.00	
10 Chloroethane	64	2.507	2.501	0.006	99	29857	1.00	0.9584	
11 Dichlorofluoromethane	67	2.739	2.733	0.006	97	85896	1.00	0.9768	
12 Trichlorofluoromethane	101	2.794	2.794	0.000	96	71525	1.00	0.9898	
13 Ethyl ether	59	3.013	3.007	0.006	92	26126	1.00	1.05	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.093	3.093	0.000	90	46915	1.00	1.00	
17 Acrolein	56	3.166	3.160	0.006	99	151930	50.1	50.1	
18 1,1-Dichloroethene	96	3.294	3.288	0.006	97	38037	1.00	1.03	
19 Acetone	43	3.336	3.324	0.012	64	39650	10.0	10.2	M
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.330	3.330	0.000	91	41999	1.00	1.09	
22 Iodomethane	142	3.465	3.464	0.001	98	77578	1.00	1.04	
23 Ethyl bromide	108	3.501	3.489	0.012	99	33632	1.00	1.03	
21 Isopropyl alcohol	45	3.507	3.495	0.012	31	9874	20.0	19.3	M
24 Carbon disulfide	76	3.562	3.562	0.000	99	131772	1.00	1.05	
25 Methyl acetate	43	3.714	3.708	0.006	26	9160	1.00	0.9283	M
27 3-Chloro-1-propene	41	3.727	3.720	0.007	89	59390	1.00	1.01	
29 Methylene Chloride	84	3.903	3.891	0.012	89	42325	1.00	1.04	
* 30 t-Butyl alcohol-d10 (IS)	65	3.940	3.922	0.018	97	80872	50.0	50.0	M
31 2-Methyl-2-propanol	59	4.044	4.037	0.007	99	21731	20.0	20.9	
32 Acrylonitrile	53	4.251	4.214	0.037	30	12005	2.50	2.45	
34 trans-1,2-Dichloroethene	96	4.281	4.275	0.006	99	43735	1.00	1.02	
33 Methyl tert-butyl ether	73	4.275	4.281	-0.006	84	81388	1.00	1.00	
35 Hexane	57	4.708	4.702	0.006	92	57293	1.00	1.08	
37 1,1-Dichloroethane	63	4.940	4.934	0.006	96	74595	1.00	1.02	
38 Isopropyl ether	45	5.013	5.007	0.006	97	120572	1.00	1.03	
39 2-Chloro-1,3-butadiene	53	5.056	5.049	0.007	91	59140	1.00	1.02	

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	5.549	5.549	0.000	97	107972	1.00	1.00	
41 2-Butanone (MEK)	43	5.793	5.769	0.024	94	62136	10.0	10.6	
42 cis-1,2-Dichloroethene	96	5.787	5.781	0.006	81	49276	1.00	1.03	
43 2,2-Dichloropropane	77	5.793	5.793	0.000	67	66496	1.00	1.03	
45 Propionitrile	54	5.885	5.854	0.031	99	34056	20.0	21.5	
48 Methacrylonitrile	67	6.080	6.068	0.012	91	70500	10.0	10.2	
49 Chlorobromomethane	128	6.116	6.110	0.006	85	19529	1.00	1.03	
50 Tetrahydrofuran	71	6.153	6.147	0.006	78	8637	5.00	5.06	
S 47 1,2-Dichloroethene, Total	100				0			2.05	
51 Chloroform	83	6.275	6.269	0.006	93	78438	1.00	1.03	
$ 52 Dibromofluoromethane (Surr)	113	6.488	6.488	0.000	94	512362	10.0	9.97	
53 1,1,1-Trichloroethane	97	6.501	6.494	0.006	46	69690	1.00	1.03	
54 Cyclohexane	56	6.592	6.592	0.000	89	68195	1.00	1.07	
55 Carbon tetrachloride	117	6.708	6.708	0.000	97	63299	1.00	1.04	
56 1,1-Dichloropropene	75	6.720	6.714	0.006	96	59409	1.00	1.04	
58 Isobutyl alcohol	41	6.921	6.909	0.012	88	16926	50.0	47.5	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.946	6.945	0.001	69	95000	10.0	9.95	
60 Benzene	78	6.976	6.976	0.000	92	175887	1.00	1.02	
61 1,2-Dichloroethane	62	7.043	7.049	-0.006	96	40967	1.00	1.02	
63 Tert-amyl methyl ether	73	7.183	7.183	0.000	99	90032	1.00	1.00	
* 64 Fluorobenzene (IS)	96	7.391	7.390	0.001	99	2145015	10.0	10.0	
65 n-Heptane	43	7.409	7.409	0.000	92	58031	1.00	1.08	
67 n-Butanol	56	7.842	7.805	0.037	90	19612	87.5	75.0	
68 Trichloroethene	95	7.872	7.872	0.000	97	48195	1.00	1.02	
69 Methylcyclohexane	83	8.171	8.171	0.000	89	78086	1.00	1.09	
70 1,2-Dichloropropane	63	8.201	8.195	0.006	96	41350	1.00	1.01	
71 2-ethoxy-2-methyl butane	87	8.226	8.226	0.000	95	65528	1.00	1.01	
72 Methyl methacrylate	69	8.323	8.305	0.018	70	11982	1.00	0.9776	M
73 1,4-Dioxane	88	8.323	8.305	0.018	31	2332	50.0	39.7	M
74 Dibromomethane	93	8.317	8.311	0.006	91	18469	1.00	1.03	
76 Dichlorobromomethane	83	8.555	8.555	0.000	99	48946	1.00	0.99	
77 2-Nitropropane	41	8.829	8.829	0.000	98	20201	5.00	5.08	
79 1-Bromo-2-chloroethane	63	8.945	8.945	0.000	98	35360	1.00	1.00	
81 cis-1,3-Dichloropropene	75	9.122	9.116	0.006	96	58395	1.00	0.9790	
82 4-Methyl-2-pentanone (MIBK)	43	9.317	9.311	0.006	97	150413	10.0	10.0	
$ 83 Toluene-d8 (Surr)	98	9.439	9.439	0.000	93	2116106	10.0	10.1	
84 Toluene	92	9.518	9.518	0.000	98	116505	1.00	1.03	
85 trans-1,3-Dichloropropene	75	9.805	9.792	0.013	92	42597	1.00	0.9551	
86 Ethyl methacrylate	69	9.878	9.866	0.012	91	25580	1.00	0.9263	M
107 1,1,2-Trichloroethane	97	10.000	10.000	0.000	91	26139	1.00	1.02	
S 106 1,3-Dichloropropene, Total	100				0			1.93	
108 Tetrachloroethene	166	10.091	10.091	0.000	97	58448	1.00	1.07	
109 1,3-Dichloropropane	76	10.171	10.164	0.007	88	43102	1.00	1.02	
110 2-Hexanone	43	10.250	10.237	0.013	96	80818	10.0	8.85	
112 Chlorodibromomethane	129	10.384	10.384	0.000	90	31613	1.00	0.9739	
113 Ethylene Dibromide	107	10.500	10.494	0.006	99	22884	1.00	0.9840	
* 114 Chlorobenzene-d5 (IS)	117	10.939	10.939	0.000	84	1601394	10.0	10.0	
115 1-Chlorohexane	91	10.957	10.951	0.006	94	63441	1.00	1.03	
116 Chlorobenzene	112	10.969	10.963	0.006	98	131580	1.00	1.02	
117 1,1,1,2-Tetrachloroethane	131	11.048	11.048	0.000	95	45463	1.00	1.01	
118 Ethylbenzene	91	11.061	11.054	0.007	98	222088	1.00	1.02	
120 m-Xylene & p-Xylene	106	11.176	11.170	0.006	100	175451	2.00	2.04	

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			3.05	
121 o-Xylene	106	11.512	11.506	0.006	96	85778	1.00	1.01	
122 Styrene	104	11.530	11.524	0.006	94	125490	1.00	0.99	a
123 Bromoform	173	11.682	11.676	0.006	96	15932	1.00	0.9214	
124 Isopropylbenzene	105	11.810	11.810	0.000	95	214503	1.00	1.02	
$ 127 4-Bromofluorobenzene (Surr)	95	11.951	11.951	0.000	93	741184	10.0	10.1	
128 1,1,2,2-Tetrachloroethane	83	12.060	12.060	0.000	94	28683	1.00	0.9862	
129 Bromobenzene	156	12.073	12.066	0.007	89	55824	1.00	1.02	
130 trans-1,4-Dichloro-2-butene	53	12.091	12.085	0.006	94	63750	10.0	10.2	
131 1,2,3-Trichloropropane	110	12.103	12.103	0.000	76	7880	1.00	1.01	
132 N-Propylbenzene	91	12.140	12.140	0.000	99	263981	1.00	1.01	
133 2-Chlorotoluene	126	12.219	12.213	0.006	97	58054	1.00	1.02	
134 1,3,5-Trimethylbenzene	105	12.280	12.280	0.000	94	195381	1.00	1.00	
135 4-Chlorotoluene	126	12.310	12.304	0.006	97	59255	1.00	1.01	
136 tert-Butylbenzene	134	12.518	12.518	0.000	93	46859	1.00	1.03	
137 Pentachloroethane	167	12.548	12.548	0.000	87	31576	1.00	0.9489	
138 1,2,4-Trimethylbenzene	105	12.566	12.560	0.006	96	195570	1.00	0.99	
139 sec-Butylbenzene	105	12.682	12.682	0.000	94	251950	1.00	1.01	
140 1,3-Dichlorobenzene	146	12.786	12.780	0.006	98	113588	1.00	1.01	
141 4-Isopropyltoluene	119	12.792	12.792	0.000	97	220319	1.00	0.9854	
* 142 1,4-Dichlorobenzene-d4	152	12.835	12.835	0.000	93	913741	10.0	10.0	
143 1,4-Dichlorobenzene	146	12.853	12.853	0.000	95	116040	1.00	0.9791	
144 1,2,3-Trimethylbenzene	120	12.865	12.865	0.000	98	87079	1.00	0.9830	
145 Benzyl chloride	126	12.944	12.932	0.012	98	11284	1.00	0.9300	
146 p-Diethylbenzene	119	13.060	13.060	0.000	95	140104	1.00	1.03	
147 n-Butylbenzene	92	13.085	13.078	0.007	96	105371	1.00	1.01	
148 1,2-Dichlorobenzene	146	13.115	13.109	0.006	99	101474	1.00	1.04	
150 1,2-Dibromo-3-Chloropropane	155	13.670	13.651	0.019	85	4667	1.00	1.01	
151 1,3,5-Trichlorobenzene	180	13.786	13.773	0.013	98	100168	1.00	1.02	
152 1,2,4-Trichlorobenzene	180	14.206	14.194	0.012	94	83398	1.00	1.03	
153 Hexachlorobutadiene	225	14.279	14.279	0.000	97	47828	1.00	1.06	
154 Naphthalene	128	14.383	14.371	0.012	96	104224	1.00	0.9859	
155 1,2,3-Trichlorobenzene	180	14.523	14.517	0.006	95	67089	1.00	1.00	
156 2-Methylnaphthalene	142	15.139	15.108	0.031	92	54814	1.00	0.9645	
167 Pentane	43	2.818	2.806	0.012	96	65059	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_00143	Amount Added:	2.00	Units: uL	
MSV_LL_GAS826_00229	Amount Added:	2.00	Units: uL	
MSV_LL_#2_826_00149	Amount Added:	2.00	Units: uL	
MSV_HP25_ISSS_00094	Amount Added:	1.00	Units: uL	Run Reagent

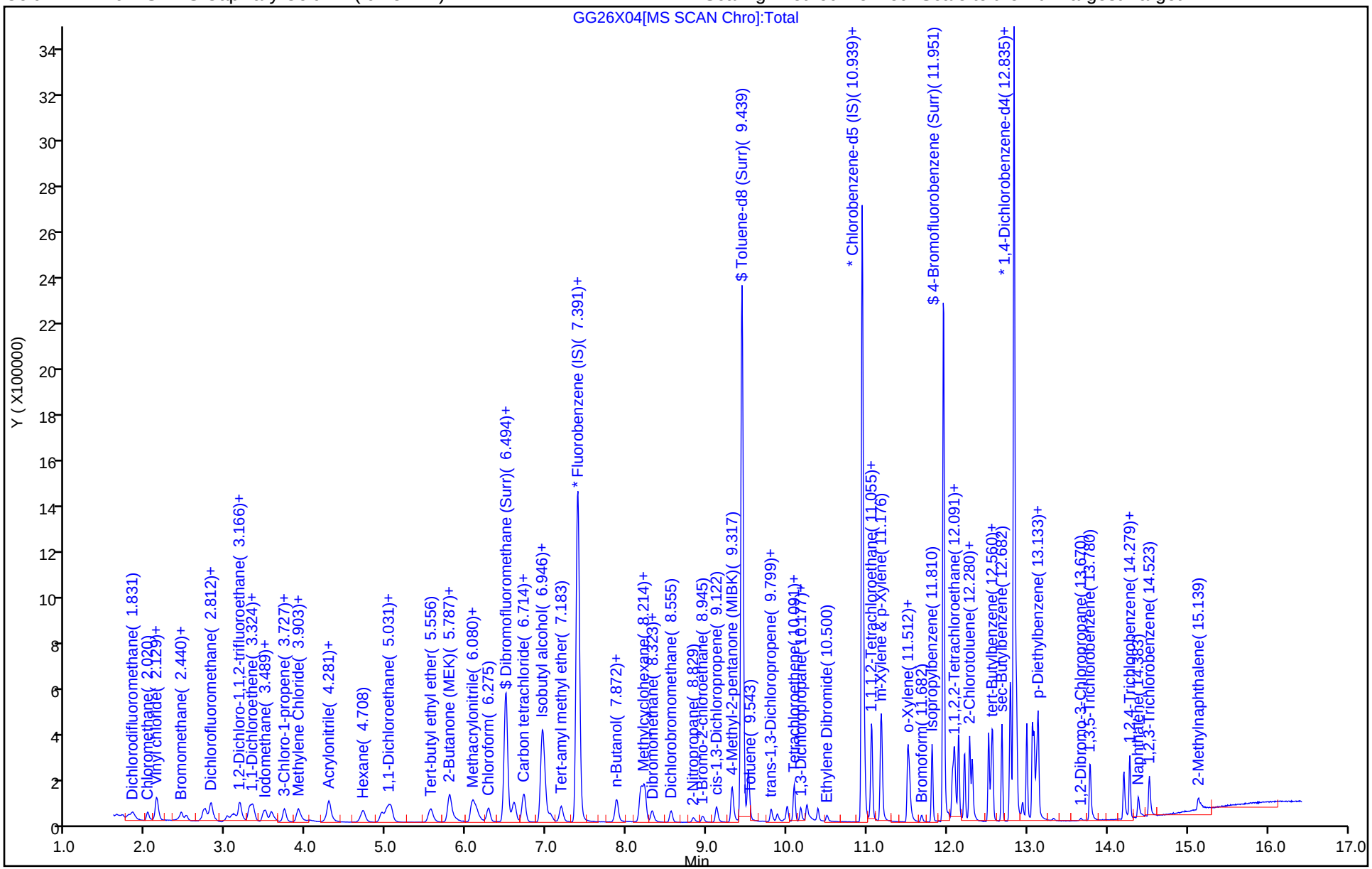
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Eurofins Lancaster Laboratories Environment Testing, LLC

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Injection Date:	26-Aug-2024 15:33:30	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



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

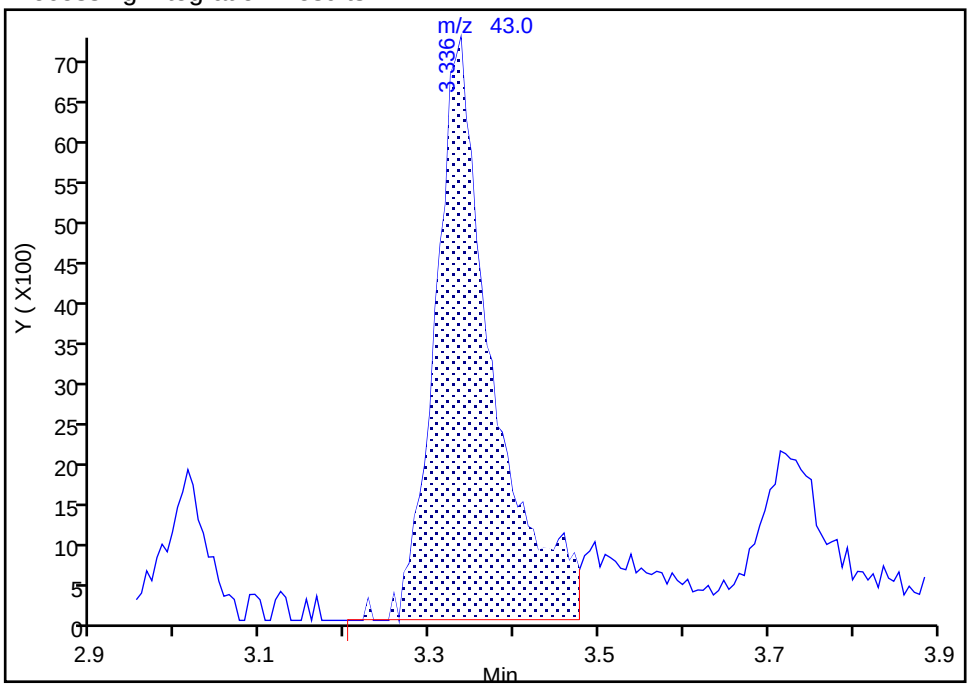
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Injection Date: 26-Aug-2024 15:33:30 Instrument ID: 16334
Lims ID: IC std3
Client ID:
Operator ID: knk41612 ALS Bottle#: 4 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

19 Acetone, CAS: 67-64-1

Signal: 1

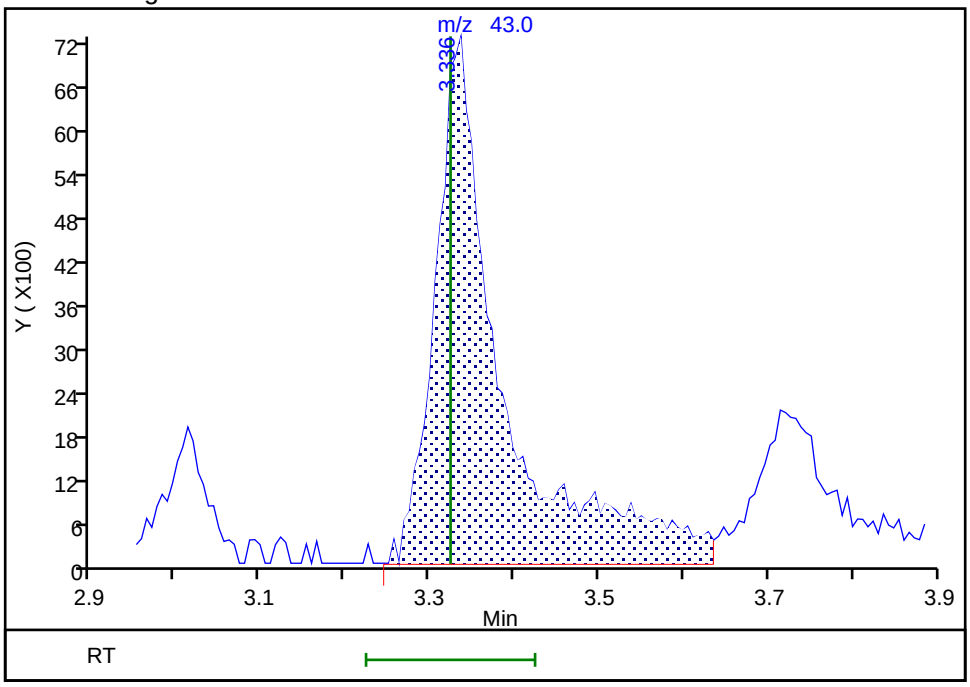
Processing Integration Results

RT: 3.34
Area: 34003
Amount: 9.608337
Amount Units: ug/l



Manual Integration Results

RT: 3.34
Area: 39650
Amount: 10.205810
Amount Units: ug/l



Reviewer: JS6E, 26-Aug-2024 22:10:47 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

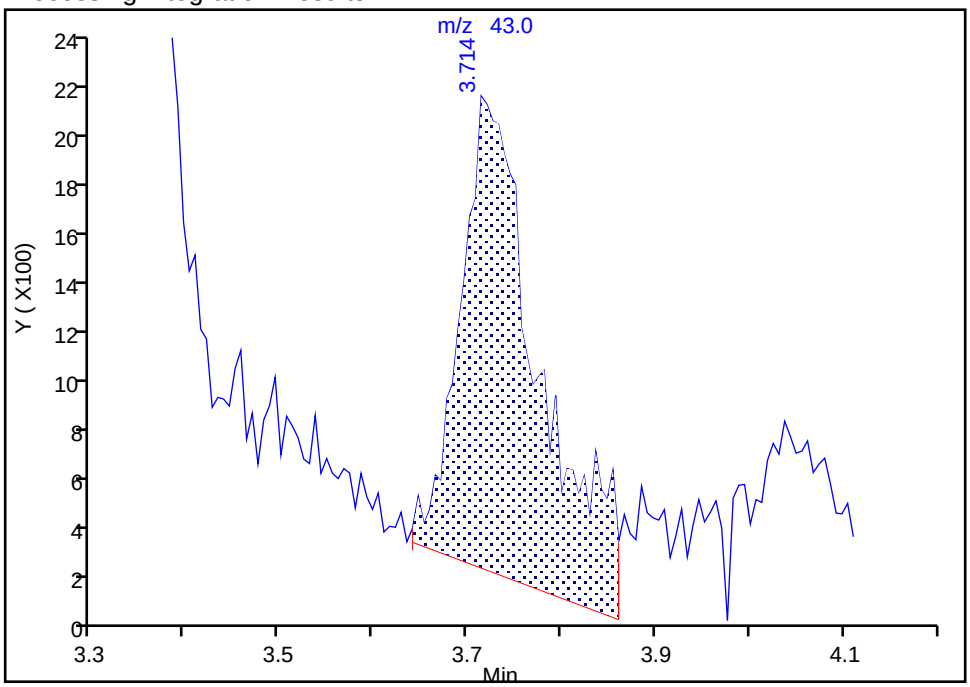
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Injection Date:	26-Aug-2024 15:33:30	Instrument ID:	16334		
Lims ID:	IC std3				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	4	Worklist Smp#:	15
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

25 Methyl acetate, CAS: 79-20-9

Signal: 1

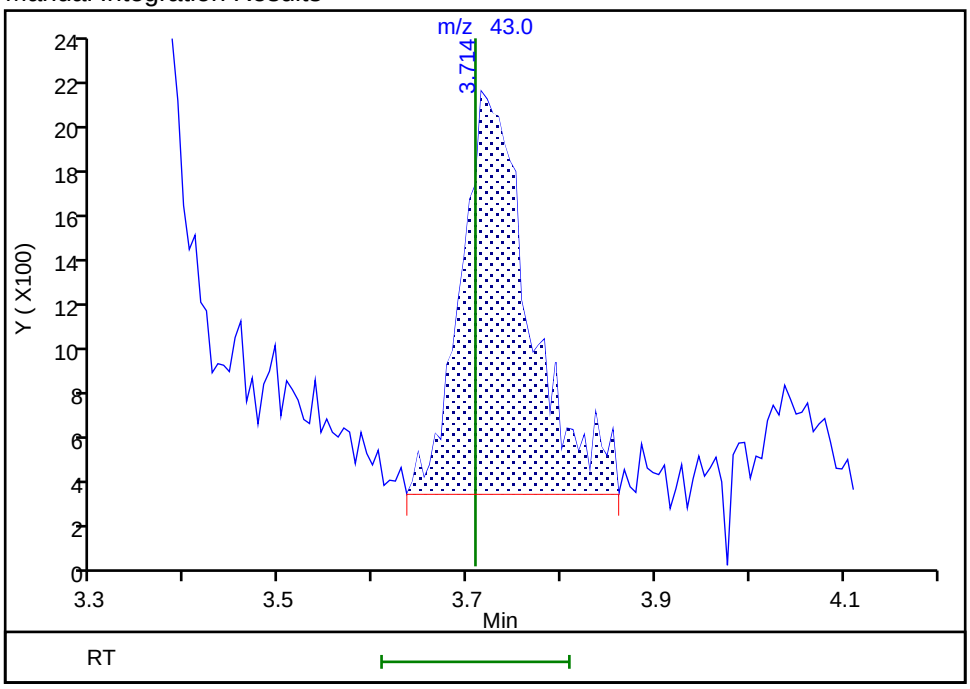
Processing Integration Results

RT: 3.71
Area: 11277
Amount: 1.248813
Amount Units: ug/l



Manual Integration Results

RT: 3.71
Area: 9160
Amount: 0.928285
Amount Units: ug/l



Reviewer: JS6E, 26-Aug-2024 22:11:49 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

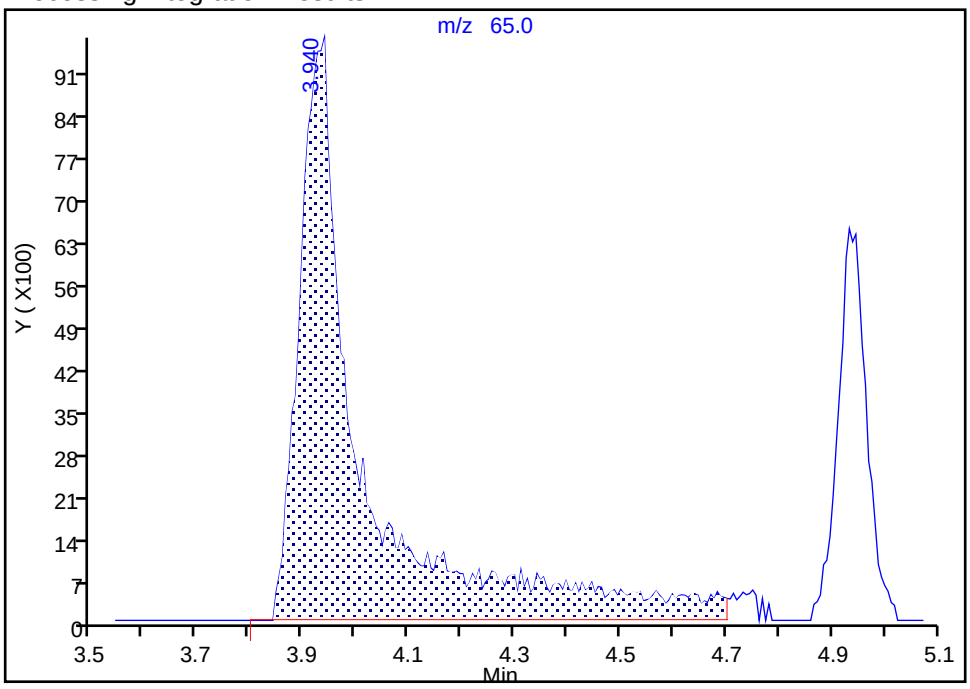
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Injection Date: 26-Aug-2024 15:33:30 Instrument ID: 16334
Lims ID: IC std3
Client ID:
Operator ID: knk41612 ALS Bottle#: 4 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

* 30 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

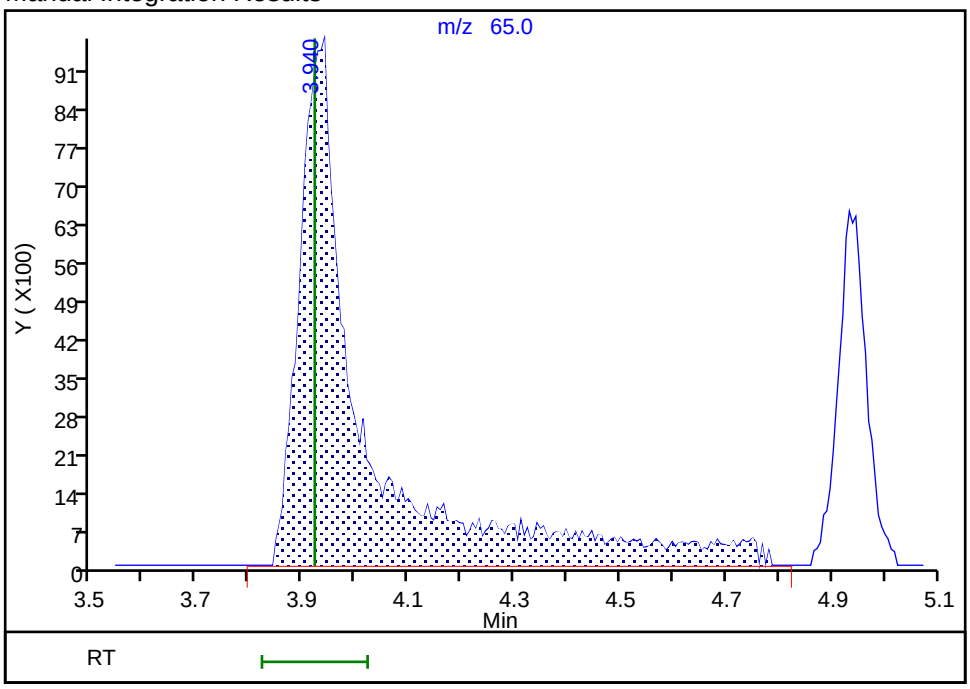
Processing Integration Results

RT: 3.94
Area: 79250
Amount: 50.000000
Amount Units: ug/l



Manual Integration Results

RT: 3.94
Area: 80872
Amount: 50.000000
Amount Units: ug/l



Reviewer: JS6E, 26-Aug-2024 22:12:05 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

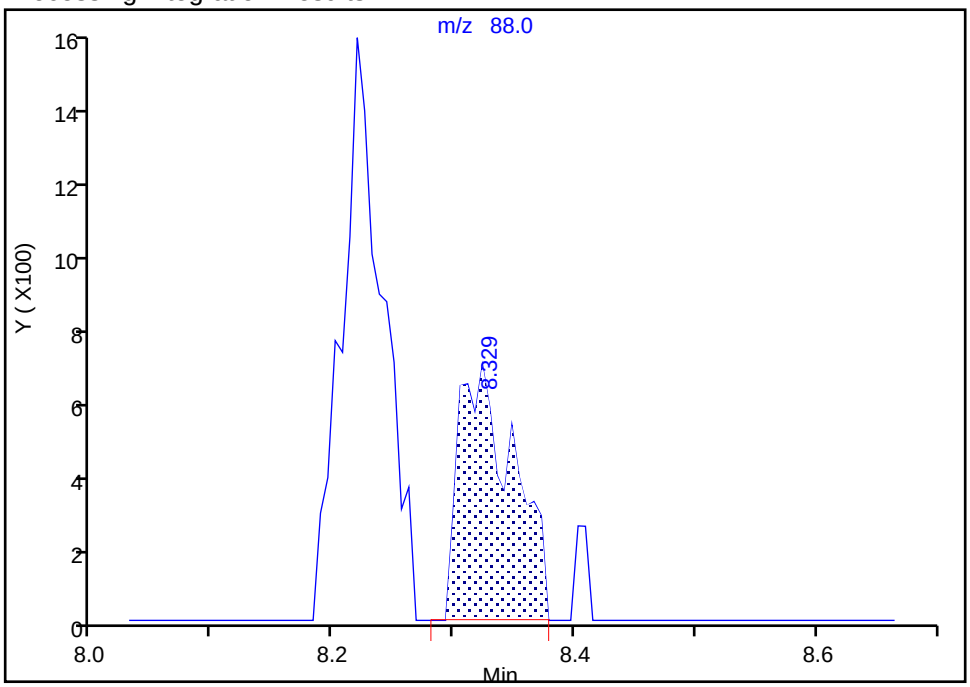
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Injection Date:	26-Aug-2024 15:33:30	Instrument ID:	16334		
Lims ID:	IC std3				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	4	Worklist Smp#:	15
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

73 1,4-Dioxane, CAS: 123-91-1

Signal: 1

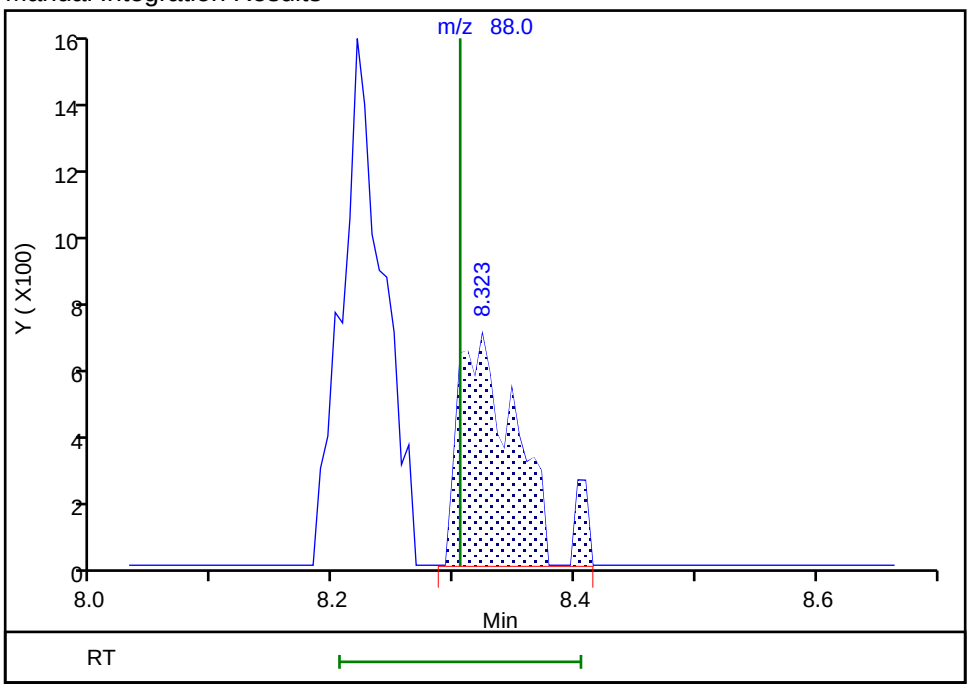
Processing Integration Results

RT: 8.33
Area: 2148
Amount: 27.407175
Amount Units: ug/l



Manual Integration Results

RT: 8.32
Area: 2332
Amount: 39.654084
Amount Units: ug/l



Reviewer: JS6E, 26-Aug-2024 22:12:43 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

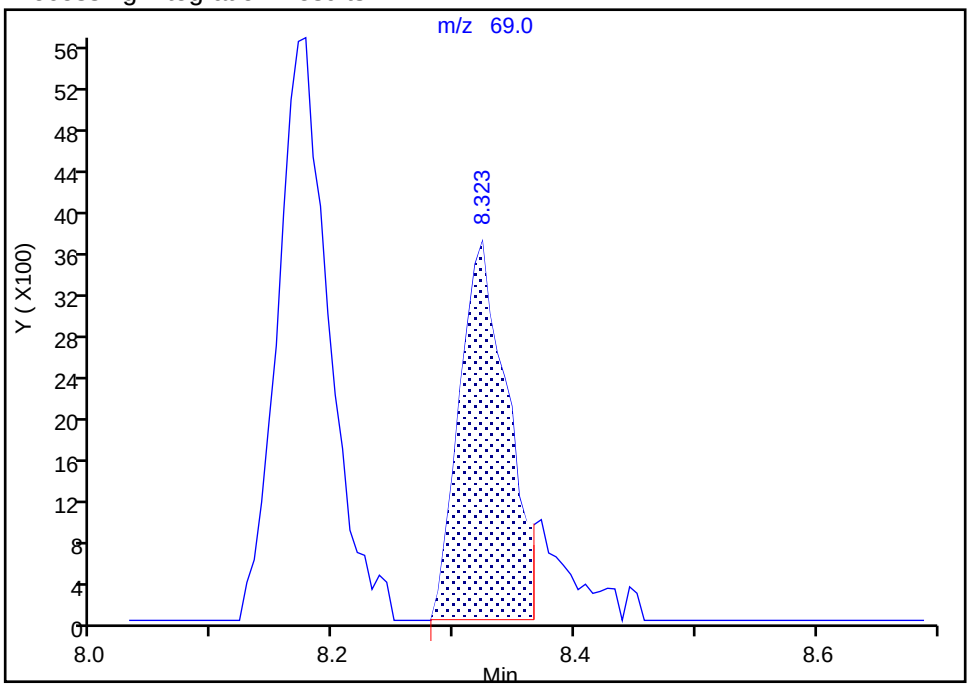
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Lims ID:	IC std3				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	4	Worklist Smp#:	15
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

72 Methyl methacrylate, CAS: 80-62-6

Signal: 1

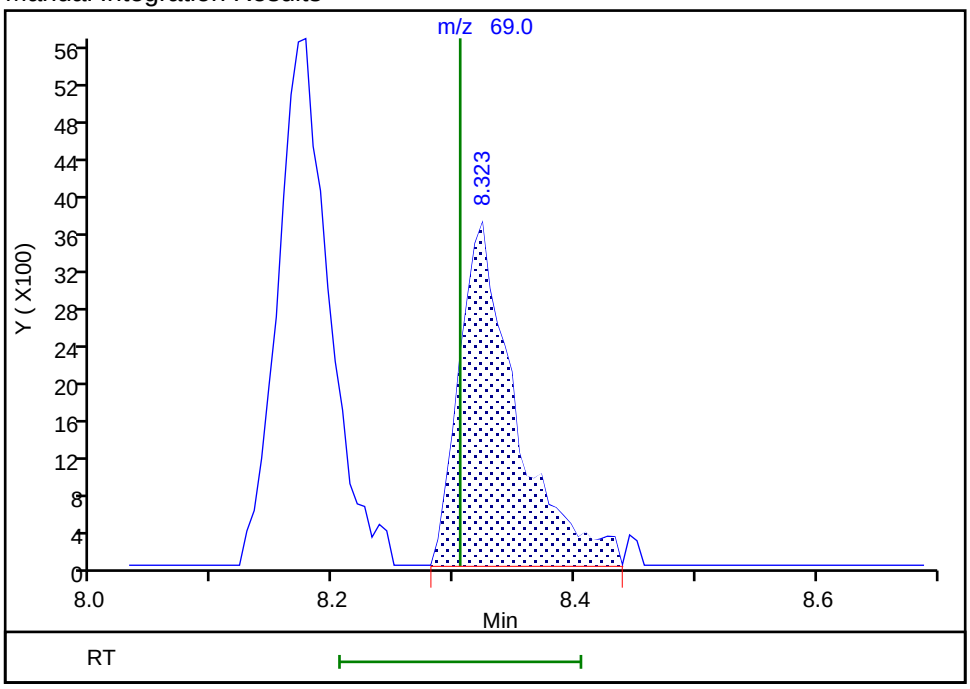
Processing Integration Results

RT: 8.32
Area: 10154
Amount: 0.961062
Amount Units: ug/l



Manual Integration Results

RT: 8.32
Area: 11982
Amount: 0.977618
Amount Units: ug/l



Reviewer: JS6E, 26-Aug-2024 22:12:29 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

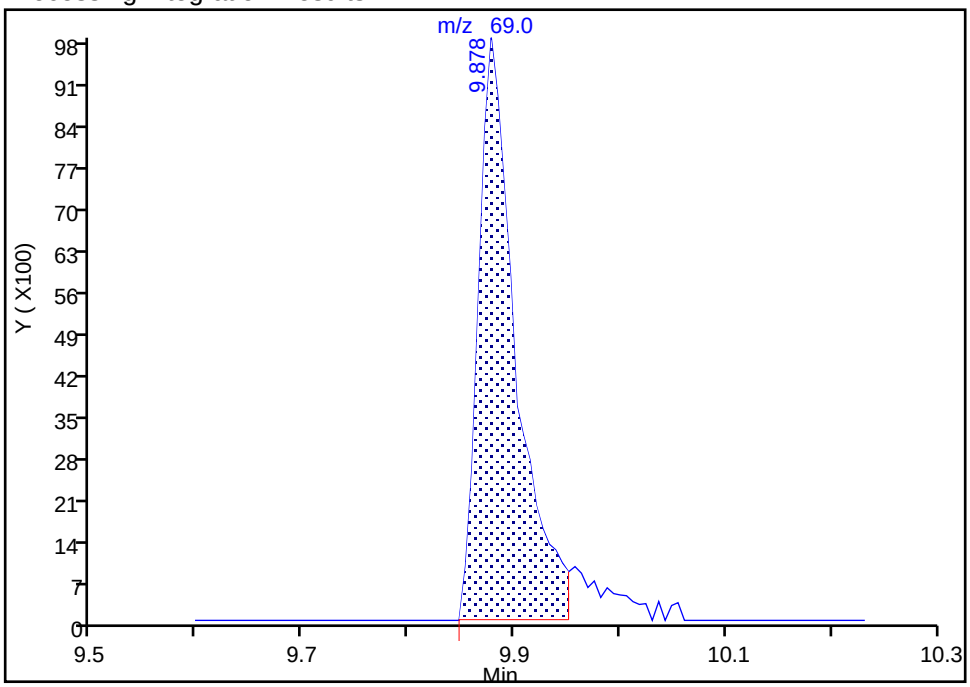
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Injection Date: 26-Aug-2024 15:33:30 Instrument ID: 16334
Lims ID: IC std3
Client ID:
Operator ID: knk41612 ALS Bottle#: 4 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

86 Ethyl methacrylate, CAS: 97-63-2

Signal: 1

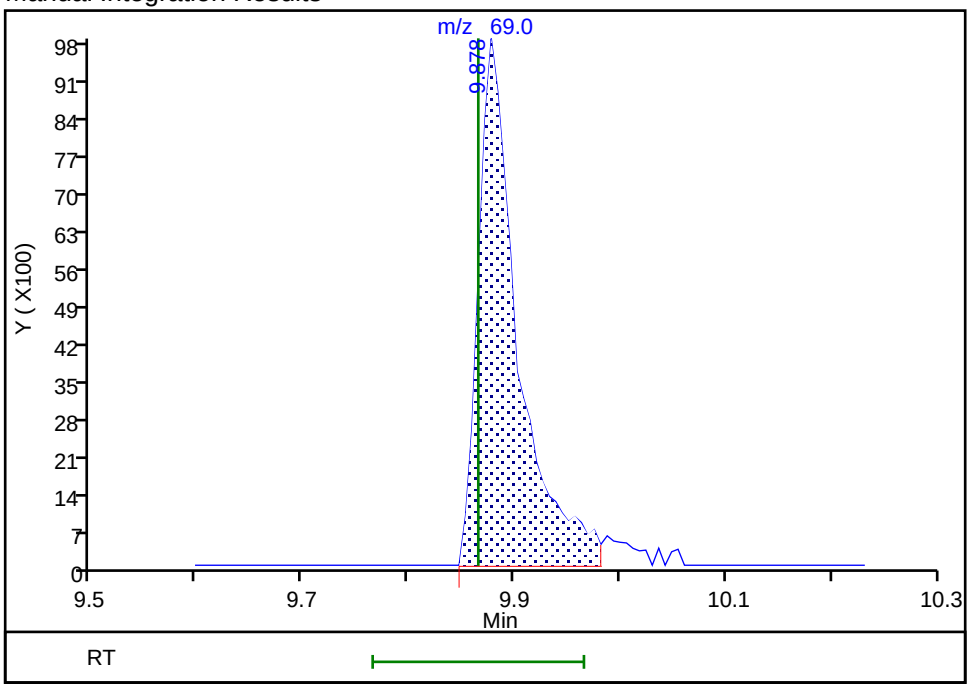
Processing Integration Results

RT: 9.88
Area: 24362
Amount: 0.885847
Amount Units: ug/l



Manual Integration Results

RT: 9.88
Area: 25580
Amount: 0.926328
Amount Units: ug/l



Reviewer: JS6E, 26-Aug-2024 23:57:35 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

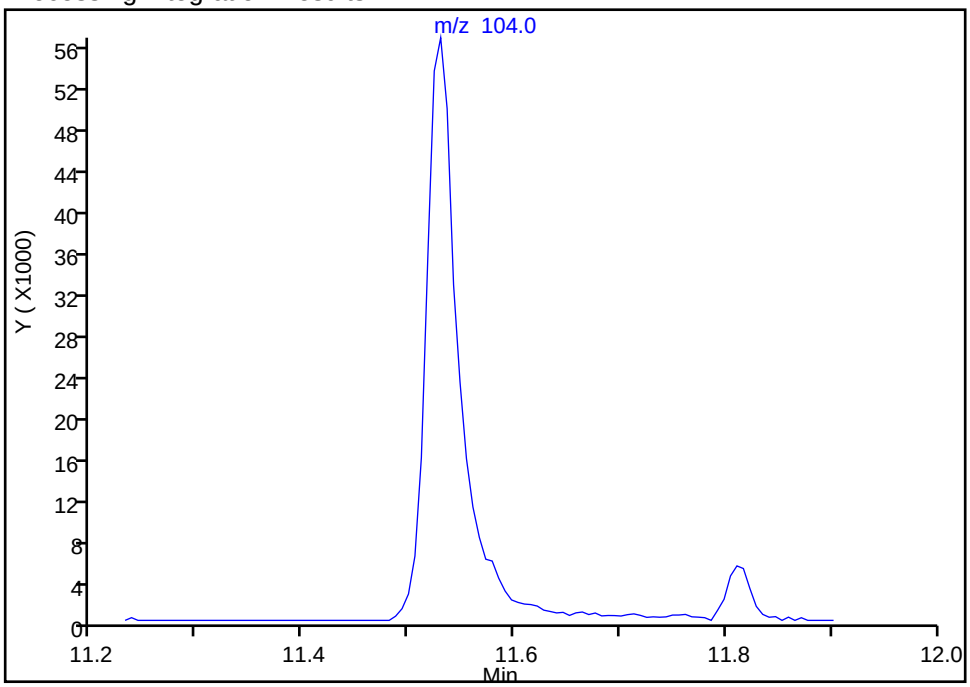
Data File:	\\chromfs\Lancaster\ChromData\16334\20240826-123245.b\GG26X04.D				
Injection Date:	26-Aug-2024 15:33:30	Instrument ID:	16334		
Lims ID:	IC std3				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	4	Worklist Smp#:	15
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

122 Styrene, CAS: 100-42-5

Signal: 1

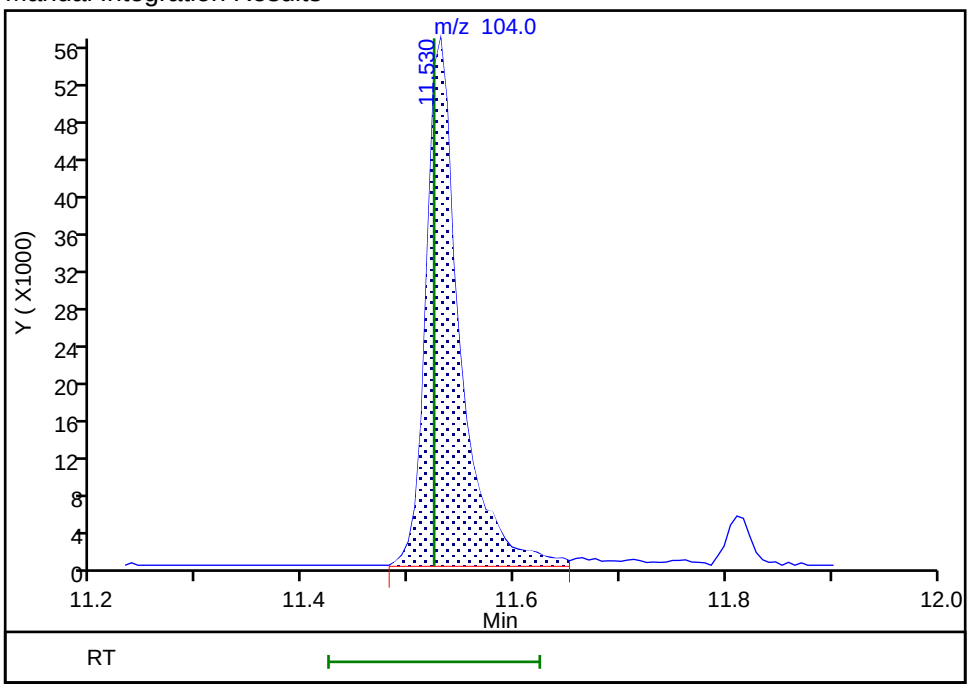
Not Detected
Expected RT: 11.52

Processing Integration Results



Manual Integration Results

RT: 11.53
Area: 125490
Amount: 0.990520
Amount Units: ug/l



Reviewer: JS6E, 26-Aug-2024 22:13:04 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Missed Peak

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20240826-123245.b\GG26X05.D
Lims ID: IC std4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 26-Aug-2024 15:56:30 ALS Bottle#: 5 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0123245-016
Misc. Info.: IC STD4
Operator ID: knk41612 Instrument ID: 16334
Sublist: chrom-MSV_16334_25mL*sub4

Method: \\chromfs\Lancaster\ChromData\16334\20240826-123245.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 29-Aug-2024 10:39:23 Calib Date: 26-Aug-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\16334\20240826-123245.b\GG26X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1615

First Level Reviewer: JS6E Date: 26-Aug-2024 21:59:40

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.825	1.825	0.000	99	107967	2.00	2.05	
5 Chloromethane	50	2.014	2.014	0.000	99	119342	2.00	2.11	
6 Vinyl chloride	62	2.117	2.117	0.000	97	110686	2.00	2.10	
7 Butadiene	39	2.129	2.129	0.000	91	105334	2.00	1.93	
9 Bromomethane	94	2.434	2.434	0.000	90	85732	2.00	2.09	
10 Chloroethane	64	2.495	2.495	0.000	100	65897	2.00	2.07	
11 Dichlorofluoromethane	67	2.727	2.727	0.000	97	182984	2.00	2.04	
12 Trichlorofluoromethane	101	2.782	2.782	0.000	95	153134	2.00	2.08	
13 Ethyl ether	59	3.007	3.007	0.000	90	51808	2.00	2.03	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.087	3.087	0.000	91	99250	2.00	2.07	
17 Acrolein	56	3.160	3.160	0.000	100	318091	100.2	103.4	
18 1,1-Dichloroethene	96	3.282	3.282	0.000	97	73236	2.00	1.94	
19 Acetone	43	3.318	3.318	0.000	81	79392	20.0	20.1	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.330	3.330	0.000	93	77944	2.00	1.97	
22 Iodomethane	142	3.458	3.458	0.000	99	153082	2.00	2.01	
23 Ethyl bromide	108	3.483	3.483	0.000	98	70149	2.00	2.10	
21 Isopropyl alcohol	45	3.495	3.495	0.000	32	19584	40.0	37.6	
24 Carbon disulfide	76	3.556	3.556	0.000	99	253600	2.00	1.98	
25 Methyl acetate	43	3.714	3.714	0.000	31	20572	2.00	2.05	
27 3-Chloro-1-propene	41	3.721	3.721	0.000	92	118859	2.00	1.97	
29 Methylene Chloride	84	3.891	3.891	0.000	90	81778	2.00	1.96	
* 30 t-Butyl alcohol-d10 (IS)	65	3.916	3.916	0.000	98	82059	50.0	50.0	
31 2-Methyl-2-propanol	59	4.025	4.025	0.000	99	44002	40.0	41.8	
32 Acrylonitrile	53	4.227	4.227	0.000	98	25653	5.00	5.16	
34 trans-1,2-Dichloroethene	96	4.275	4.275	0.000	99	87995	2.00	2.01	
33 Methyl tert-butyl ether	73	4.275	4.275	0.000	82	163231	2.00	1.97	
35 Hexane	57	4.696	4.696	0.000	92	109184	2.00	2.03	
37 1,1-Dichloroethane	63	4.934	4.934	0.000	96	153655	2.00	2.05	
38 Isopropyl ether	45	5.007	5.007	0.000	93	237620	2.00	1.99	
39 2-Chloro-1,3-butadiene	53	5.043	5.043	0.000	91	115986	2.00	1.97	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 Tert-butyl ethyl ether	59	5.543	5.543	0.000	98	217914	2.00	1.98	
41 2-Butanone (MEK)	43	5.769	5.769	0.000	99	128914	20.0	21.6	
42 cis-1,2-Dichloroethene	96	5.781	5.781	0.000	81	98481	2.00	2.02	
43 2,2-Dichloropropane	77	5.781	5.781	0.000	64	130242	2.00	1.97	
45 Propionitrile	54	5.860	5.860	0.000	98	69457	40.0	43.2	
48 Methacrylonitrile	67	6.068	6.068	0.000	91	145573	20.0	20.8	
49 Chlorobromomethane	128	6.110	6.110	0.000	87	39685	2.00	2.05	
50 Tetrahydrofuran	71	6.135	6.135	0.000	76	17977	10.0	10.4	
S 47 1,2-Dichloroethene, Total	100				0			4.03	
51 Chloroform	83	6.269	6.269	0.000	93	154969	2.00	2.00	
$ 52 Dibromofluoromethane (Surr)	113	6.482	6.482	0.000	94	524787	10.0	10.0	
53 1,1,1-Trichloroethane	97	6.488	6.488	0.000	98	137082	2.00	1.99	
54 Cyclohexane	56	6.586	6.586	0.000	90	126196	2.00	1.94	
55 Carbon tetrachloride	117	6.702	6.702	0.000	97	124304	2.00	2.00	
56 1,1-Dichloropropene	75	6.714	6.714	0.000	97	115565	2.00	1.98	
58 Isobutyl alcohol	41	6.915	6.915	0.000	93	33793	100.0	93.0	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.939	6.939	0.000	72	98751	10.0	10.1	
60 Benzene	78	6.976	6.976	0.000	96	354780	2.00	2.01	
61 1,2-Dichloroethane	62	7.043	7.043	0.000	97	80543	2.00	1.96	
63 Tert-amyl methyl ether	73	7.177	7.177	0.000	99	181133	2.00	1.98	
* 64 Fluorobenzene (IS)	96	7.384	7.384	0.000	99	2188388	10.0	10.0	
65 n-Heptane	43	7.409	7.409	0.000	92	113715	2.00	2.07	
67 n-Butanol	56	7.817	7.817	0.000	90	47511	175.0	179.1	
68 Trichloroethene	95	7.872	7.872	0.000	96	97867	2.00	2.03	
69 Methylcyclohexane	83	8.171	8.171	0.000	91	145513	2.00	1.98	
70 1,2-Dichloropropane	63	8.195	8.195	0.000	96	82625	2.00	1.99	
71 2-ethoxy-2-methyl butane	87	8.226	8.226	0.000	95	131670	2.00	1.99	
72 Methyl methacrylate	69	8.317	8.317	0.000	91	24945	2.00	2.01	
73 1,4-Dioxane	88	8.329	8.329	0.000	34	6912	100.0	89.9	
74 Dibromomethane	93	8.311	8.311	0.000	93	36668	2.00	2.01	
76 Dichlorobromomethane	83	8.549	8.549	0.000	99	100559	2.00	2.00	
77 2-Nitropropane	41	8.823	8.823	0.000	100	41591	10.0	10.3	
79 1-Bromo-2-chloroethane	63	8.939	8.939	0.000	98	74890	2.00	2.07	
81 cis-1,3-Dichloropropene	75	9.116	9.116	0.000	97	122229	2.00	2.01	
82 4-Methyl-2-pentanone (MIBK)	43	9.311	9.311	0.000	97	322354	20.0	21.2	
$ 83 Toluene-d8 (Surr)	98	9.439	9.439	0.000	93	2163827	10.0	9.99	
84 Toluene	92	9.518	9.518	0.000	98	234079	2.00	2.00	
85 trans-1,3-Dichloropropene	75	9.793	9.793	0.000	92	90557	2.00	1.96	
86 Ethyl methacrylate	69	9.872	9.872	0.000	88	56722	2.00	1.99	
107 1,1,2-Trichloroethane	97	10.000	10.000	0.000	90	53473	2.00	2.01	
S 106 1,3-Dichloropropene, Total	100				0			3.97	
108 Tetrachloroethene	166	10.085	10.085	0.000	98	113500	2.00	2.01	
109 1,3-Dichloropropane	76	10.164	10.164	0.000	90	88827	2.00	2.03	
110 2-Hexanone	43	10.244	10.244	0.000	96	180275	20.0	19.5	
112 Chlorodibromomethane	129	10.384	10.384	0.000	89	66618	2.00	1.99	
113 Ethylene Dibromide	107	10.494	10.494	0.000	100	47658	2.00	1.98	
* 114 Chlorobenzene-d5 (IS)	117	10.939	10.939	0.000	84	1655098	10.0	10.0	
115 1-Chlorohexane	91	10.957	10.957	0.000	97	123492	2.00	1.93	
116 Chlorobenzene	112	10.963	10.963	0.000	97	270310	2.00	2.02	
117 1,1,1,2-Tetrachloroethane	131	11.048	11.048	0.000	96	92852	2.00	2.00	
118 Ethylbenzene	91	11.055	11.055	0.000	98	453634	2.00	2.01	
120 m-Xylene & p-Xylene	106	11.176	11.176	0.000	100	359137	4.00	4.03	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 119 Xylenes, Total	106				0			6.04	
121 o-Xylene	106	11.506	11.506	0.000	96	175665	2.00	2.01	
122 Styrene	104	11.524	11.524	0.000	94	263892	2.00	2.02	
123 Bromoform	173	11.676	11.676	0.000	97	34728	2.00	1.94	
124 Isopropylbenzene	105	11.810	11.810	0.000	96	430021	2.00	1.98	
$ 127 4-Bromofluorobenzene (Surr)	95	11.951	11.951	0.000	93	761038	10.0	10.0	
128 1,1,2,2-Tetrachloroethane	83	12.060	12.060	0.000	94	59518	2.00	2.03	
129 Bromobenzene	156	12.067	12.067	0.000	91	111720	2.00	2.03	
130 trans-1,4-Dichloro-2-butene	53	12.085	12.085	0.000	94	136535	20.0	21.4	
131 1,2,3-Trichloropropane	110	12.103	12.103	0.000	78	16254	2.00	2.07	
132 N-Propylbenzene	91	12.140	12.140	0.000	99	546582	2.00	2.08	
133 2-Chlorotoluene	126	12.213	12.213	0.000	97	118394	2.00	2.07	
134 1,3,5-Trimethylbenzene	105	12.280	12.280	0.000	94	394596	2.00	2.01	
135 4-Chlorotoluene	126	12.310	12.310	0.000	97	121923	2.00	2.06	
136 tert-Butylbenzene	134	12.518	12.518	0.000	93	94023	2.00	2.04	
137 Pentachloroethane	167	12.548	12.548	0.000	93	70740	2.00	2.11	
138 1,2,4-Trimethylbenzene	105	12.560	12.560	0.000	97	409364	2.00	2.06	
139 sec-Butylbenzene	105	12.682	12.682	0.000	94	523539	2.00	2.07	
140 1,3-Dichlorobenzene	146	12.780	12.780	0.000	98	234527	2.00	2.07	
141 4-Isopropyltoluene	119	12.792	12.792	0.000	97	461862	2.00	2.05	
* 142 1,4-Dichlorobenzene-d4	152	12.835	12.835	0.000	93	920457	10.0	10.0	
143 1,4-Dichlorobenzene	146	12.853	12.853	0.000	96	245681	2.00	2.06	
144 1,2,3-Trimethylbenzene	120	12.865	12.865	0.000	98	180827	2.00	2.03	
145 Benzyl chloride	126	12.938	12.938	0.000	98	25291	2.00	2.07	
146 p-Diethylbenzene	119	13.060	13.060	0.000	94	283363	2.00	2.07	
147 n-Butylbenzene	92	13.085	13.085	0.000	97	226223	2.00	2.15	
148 1,2-Dichlorobenzene	146	13.115	13.115	0.000	99	206116	2.00	2.10	
150 1,2-Dibromo-3-Chloropropane	155	13.658	13.658	0.000	86	10428	2.00	2.03	
151 1,3,5-Trichlorobenzene	180	13.780	13.780	0.000	98	210962	2.00	2.14	
152 1,2,4-Trichlorobenzene	180	14.200	14.200	0.000	94	179902	2.00	2.21	
153 Hexachlorobutadiene	225	14.279	14.279	0.000	97	104271	2.00	2.30	
154 Naphthalene	128	14.377	14.377	0.000	97	222055	2.00	2.09	
155 1,2,3-Trichlorobenzene	180	14.517	14.517	0.000	96	142893	2.00	2.11	
156 2-Methylnaphthalene	142	15.121	15.121	0.000	92	121274	2.00	2.12	
167 Pentane	43	2.800	2.800	0.000	95	119728	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

MSV_LL_#1_826_00143	Amount Added:	2.00	Units: uL	
MSV_LL_GAS826_00229	Amount Added:	2.00	Units: uL	
MSV_LL_#2_826_00149	Amount Added:	2.00	Units: uL	
MSV_HP25_ISSS_00094	Amount Added:	1.00	Units: uL	Run Reagent

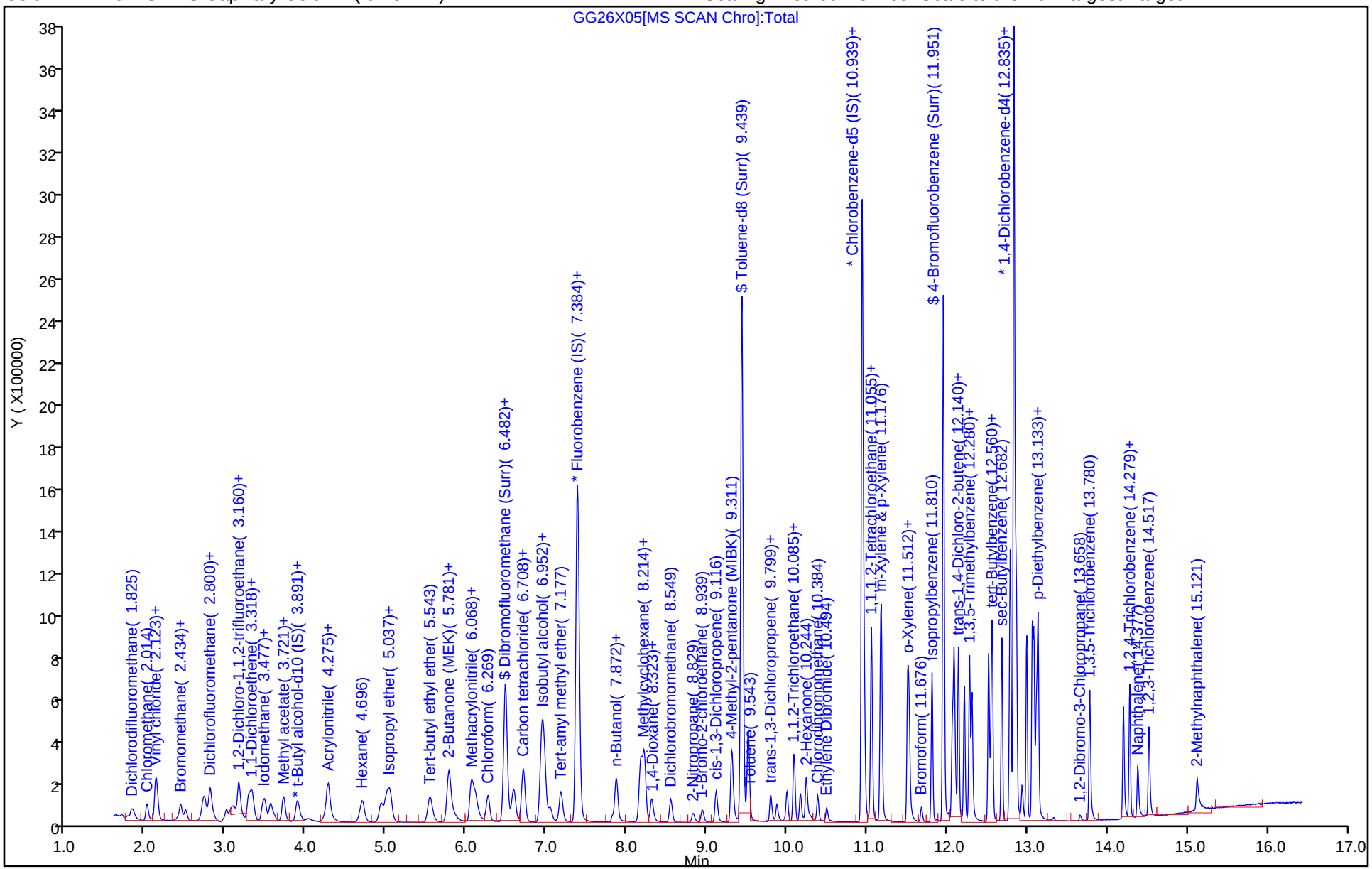
Report Date: 29-Aug-2024 10:39:24 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20240826-123245.b\GG26X05.D

Injection Date:	26-Aug-2024 15:56:30	Instrument ID:	16334	Operator ID:	knk41612
Lims ID:	IC std4			Worklist Smp#:	16
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20240826-123245.b\GG26X06.D
Lims ID: IC std5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 26-Aug-2024 16:18:30 ALS Bottle#: 6 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0123245-017
Misc. Info.: IC STD5
Operator ID: knk41612 Instrument ID: 16334
Sublist: chrom-MSV_16334_25mL*sub4

Method: \\chromfs\Lancaster\ChromData\16334\20240826-123245.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 29-Aug-2024 10:39:28 Calib Date: 26-Aug-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\16334\20240826-123245.b\GG26X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1615

First Level Reviewer: JS6E Date: 26-Aug-2024 21:55:21

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.825	1.825	0.000	99	258582	5.00	5.02	
5 Chloromethane	50	2.008	2.014	-0.007	99	262227	5.00	4.74	
6 Vinyl chloride	62	2.117	2.117	0.000	98	260291	5.00	5.04	
7 Butadiene	39	2.129	2.129	0.000	92	259226	5.00	4.85	
9 Bromomethane	94	2.428	2.434	-0.006	91	198209	5.00	4.92	
10 Chloroethane	64	2.495	2.495	0.000	100	157815	5.00	5.06	
11 Dichlorofluoromethane	67	2.727	2.727	0.000	97	419048	5.00	4.76	
12 Trichlorofluoromethane	101	2.788	2.782	0.006	98	368049	5.00	5.09	
13 Ethyl ether	59	3.001	3.007	-0.006	91	124622	5.00	4.99	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.087	3.087	0.000	93	227812	5.00	4.84	
17 Acrolein	56	3.154	3.160	-0.006	99	812060	250.5	258.4	
18 1,1-Dichloroethene	96	3.282	3.282	0.000	97	179573	5.00	4.84	
19 Acetone	43	3.312	3.318	-0.006	99	187574	50.0	46.6	M
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.324	3.330	-0.006	91	189808	5.00	4.90	
22 Iodomethane	142	3.458	3.458	0.000	99	372084	5.00	4.97	
23 Ethyl bromide	108	3.483	3.483	0.000	98	161812	5.01	4.93	
21 Isopropyl alcohol	45	3.483	3.495	-0.012	34	52035	100.0	101.9	
24 Carbon disulfide	76	3.556	3.556	0.000	99	615181	5.00	4.89	
25 Methyl acetate	43	3.696	3.714	-0.018	96	48088	5.00	4.70	M
27 3-Chloro-1-propene	41	3.714	3.721	-0.007	92	294435	5.00	4.98	
29 Methylene Chloride	84	3.885	3.891	-0.006	89	198663	5.00	4.87	
* 30 t-Butyl alcohol-d10 (IS)	65	3.910	3.916	-0.006	98	83821	50.0	50.0	M
31 2-Methyl-2-propanol	59	4.025	4.025	0.000	99	105696	100.0	98.3	
32 Acrylonitrile	53	4.214	4.227	-0.013	99	68961	12.5	13.6	
34 trans-1,2-Dichloroethene	96	4.269	4.275	-0.006	99	215346	5.00	5.02	
33 Methyl tert-butyl ether	73	4.269	4.275	-0.006	81	408299	5.00	5.03	
35 Hexane	57	4.696	4.696	0.000	93	264702	5.00	5.01	
37 1,1-Dichloroethane	63	4.928	4.934	-0.006	96	361671	5.00	4.93	
38 Isopropyl ether	45	5.007	5.007	0.000	93	594693	5.00	5.08	
39 2-Chloro-1,3-butadiene	53	5.044	5.043	0.001	90	291999	5.00	5.05	

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	5.543	5.543	0.000	97	548447	5.00	5.09	
41 2-Butanone (MEK)	43	5.757	5.769	-0.012	99	315765	50.0	51.8	
42 cis-1,2-Dichloroethene	96	5.775	5.781	-0.006	81	239125	5.00	5.00	
43 2,2-Dichloropropane	77	5.787	5.781	0.006	86	324456	5.00	5.01	
45 Propionitrile	54	5.854	5.860	-0.006	98	174191	100.0	106.1	M
48 Methacrylonitrile	67	6.062	6.068	-0.006	92	376667	50.0	52.6	
49 Chlorobromomethane	128	6.110	6.110	0.000	88	98604	5.00	5.18	
50 Tetrahydrofuran	71	6.141	6.135	0.006	78	48666	25.0	27.5	
S 47 1,2-Dichloroethene, Total	100				0			10.0	
51 Chloroform	83	6.269	6.269	0.000	93	378227	5.00	4.97	
$ 52 Dibromofluoromethane (Surr)	113	6.488	6.482	0.006	94	516028	10.0	10.0	
53 1,1,1-Trichloroethane	97	6.488	6.488	0.000	97	344125	5.00	5.10	
54 Cyclohexane	56	6.586	6.586	0.000	89	317140	5.00	4.97	
55 Carbon tetrachloride	117	6.702	6.702	0.000	96	304918	5.00	5.01	
56 1,1-Dichloropropene	75	6.714	6.714	0.000	97	286668	5.00	5.00	
58 Isobutyl alcohol	41	6.909	6.915	-0.006	90	85435	250.0	239.8	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.946	6.939	0.007	93	94857	10.0	9.93	
60 Benzene	78	6.976	6.976	0.000	96	862599	5.00	4.99	
61 1,2-Dichloroethane	62	7.043	7.043	0.000	97	195113	5.00	4.84	
63 Tert-amyl methyl ether	73	7.177	7.177	0.000	99	460343	5.00	5.12	
* 64 Fluorobenzene (IS)	96	7.385	7.384	0.000	99	2145890	10.0	10.0	
65 n-Heptane	43	7.403	7.409	-0.006	92	263033	5.00	4.88	
67 n-Butanol	56	7.805	7.817	-0.012	89	129411	437.5	477.7	
68 Trichloroethene	95	7.866	7.872	-0.006	97	237264	5.00	5.02	
69 Methylcyclohexane	83	8.171	8.171	0.000	89	358549	5.00	4.98	
70 1,2-Dichloropropane	63	8.195	8.195	0.000	96	206167	5.00	5.05	
71 2-ethoxy-2-methyl butane	87	8.226	8.226	0.000	94	334010	5.00	5.14	
74 Dibromomethane	93	8.305	8.311	-0.006	94	93278	5.00	5.21	
72 Methyl methacrylate	69	8.305	8.317	-0.012	86	63561	5.00	5.00	
73 1,4-Dioxane	88	8.305	8.329	-0.024	32	23908	250.0	272.3	M
76 Dichlorobromomethane	83	8.549	8.549	0.000	99	252776	5.00	5.14	
77 2-Nitropropane	41	8.823	8.823	0.000	98	101885	25.0	24.7	
79 1-Bromo-2-chloroethane	63	8.945	8.939	0.006	99	181131	5.00	5.11	
81 cis-1,3-Dichloropropene	75	9.116	9.116	0.000	96	312379	5.00	5.24	
82 4-Methyl-2-pentanone (MIBK)	43	9.311	9.311	0.000	96	839360	50.0	53.9	
$ 83 Toluene-d8 (Surr)	98	9.439	9.439	0.000	93	2114405	10.0	9.98	
84 Toluene	92	9.518	9.518	0.000	98	572888	5.00	5.01	
85 trans-1,3-Dichloropropene	75	9.793	9.793	0.000	92	240319	5.00	5.33	
86 Ethyl methacrylate	69	9.872	9.872	0.000	88	156658	5.00	5.61	
107 1,1,2-Trichloroethane	97	10.000	10.000	0.000	90	132925	5.00	5.11	
S 106 1,3-Dichloropropene, Total	100				0			10.6	
108 Tetrachloroethene	166	10.085	10.085	0.000	97	274447	5.00	4.97	
109 1,3-Dichloropropane	76	10.164	10.164	0.000	90	223446	5.00	5.23	
110 2-Hexanone	43	10.238	10.244	-0.006	96	534207	50.0	56.4	
112 Chlorodibromomethane	129	10.384	10.384	0.000	90	173529	5.00	5.29	
113 Ethylene Dibromide	107	10.494	10.494	0.000	100	123406	5.00	5.25	
* 114 Chlorobenzene-d5 (IS)	117	10.939	10.939	0.000	84	1618352	10.0	10.0	
115 1-Chlorohexane	91	10.957	10.957	0.000	94	299895	5.00	4.80	
116 Chlorobenzene	112	10.963	10.963	0.000	96	660896	5.00	5.04	
117 1,1,1,2-Tetrachloroethane	131	11.048	11.048	0.000	96	231243	5.00	5.10	
118 Ethylbenzene	91	11.055	11.055	0.001	98	1111749	5.00	5.05	
120 m-Xylene & p-Xylene	106	11.176	11.176	0.000	100	881971	10.0	10.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 119 Xylenes, Total	106				0			15.3	
121 o-Xylene	106	11.506	11.506	0.000	96	438835	5.00	5.13	
122 Styrene	104	11.524	11.524	0.000	95	676257	5.00	5.28	
123 Bromoform	173	11.676	11.676	0.000	97	94251	5.00	5.39	
124 Isopropylbenzene	105	11.810	11.810	0.000	95	1071192	5.00	5.05	
$ 127 4-Bromofluorobenzene (Surr)	95	11.951	11.951	0.000	93	749870	10.0	10.1	
128 1,1,2,2-Tetrachloroethane	83	12.060	12.060	0.000	93	151873	5.00	5.25	
129 Bromobenzene	156	12.067	12.067	0.001	92	274620	5.00	5.06	
130 trans-1,4-Dichloro-2-butene	53	12.085	12.085	0.000	94	350407	50.0	53.9	
131 1,2,3-Trichloropropane	110	12.103	12.103	0.000	79	41573	5.00	5.36	
132 N-Propylbenzene	91	12.140	12.140	0.000	99	1305350	5.00	5.04	
133 2-Chlorotoluene	126	12.213	12.213	0.000	97	283920	5.00	5.02	
134 1,3,5-Trimethylbenzene	105	12.280	12.280	0.000	95	983521	5.00	5.07	
135 4-Chlorotoluene	126	12.310	12.310	0.000	96	296933	5.00	5.07	
136 tert-Butylbenzene	134	12.518	12.518	0.000	93	229056	5.00	5.04	
137 Pentachloroethane	167	12.548	12.548	0.000	94	173814	5.00	5.25	
138 1,2,4-Trimethylbenzene	105	12.560	12.560	0.000	97	1009463	5.00	5.14	
139 sec-Butylbenzene	105	12.682	12.682	0.000	94	1253179	5.00	5.03	
140 1,3-Dichlorobenzene	146	12.780	12.780	0.000	98	569004	5.00	5.09	
141 4-Isopropyltoluene	119	12.792	12.792	0.000	97	1136376	5.00	5.11	
* 142 1,4-Dichlorobenzene-d4	152	12.835	12.835	0.000	93	909540	10.0	10.0	
143 1,4-Dichlorobenzene	146	12.853	12.853	0.000	96	578585	5.00	4.90	
144 1,2,3-Trimethylbenzene	120	12.865	12.865	0.000	98	439791	5.00	4.99	
145 Benzyl chloride	126	12.932	12.938	-0.006	98	65854	5.00	5.45	
146 p-Diethylbenzene	119	13.060	13.060	0.000	94	689184	5.00	5.09	
147 n-Butylbenzene	92	13.079	13.085	-0.006	97	539338	5.00	5.19	
148 1,2-Dichlorobenzene	146	13.109	13.115	-0.006	99	492254	5.00	5.07	
150 1,2-Dibromo-3-Chloropropane	155	13.658	13.658	0.000	89	27235	5.00	4.98	
151 1,3,5-Trichlorobenzene	180	13.780	13.780	0.000	98	491256	5.00	5.05	
152 1,2,4-Trichlorobenzene	180	14.194	14.200	-0.006	94	416176	5.00	5.16	
153 Hexachlorobutadiene	225	14.280	14.279	0.001	96	215454	5.00	4.81	
154 Naphthalene	128	14.377	14.377	0.000	97	553157	5.00	5.26	
155 1,2,3-Trichlorobenzene	180	14.517	14.517	0.000	96	327801	5.00	4.89	
156 2-Methylnaphthalene	142	15.115	15.121	-0.006	92	299893	5.00	5.30	
167 Pentane	43	2.800	2.800	0.000	97	278492	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_#1_826_00143	Amount Added:	5.00	Units: uL	
MSV_LL_GAS826_00229	Amount Added:	5.00	Units: uL	
MSV_LL_#2_826_00149	Amount Added:	5.00	Units: uL	
MSV_HP25_ISSS_00094	Amount Added:	1.00	Units: uL	Run Reagent

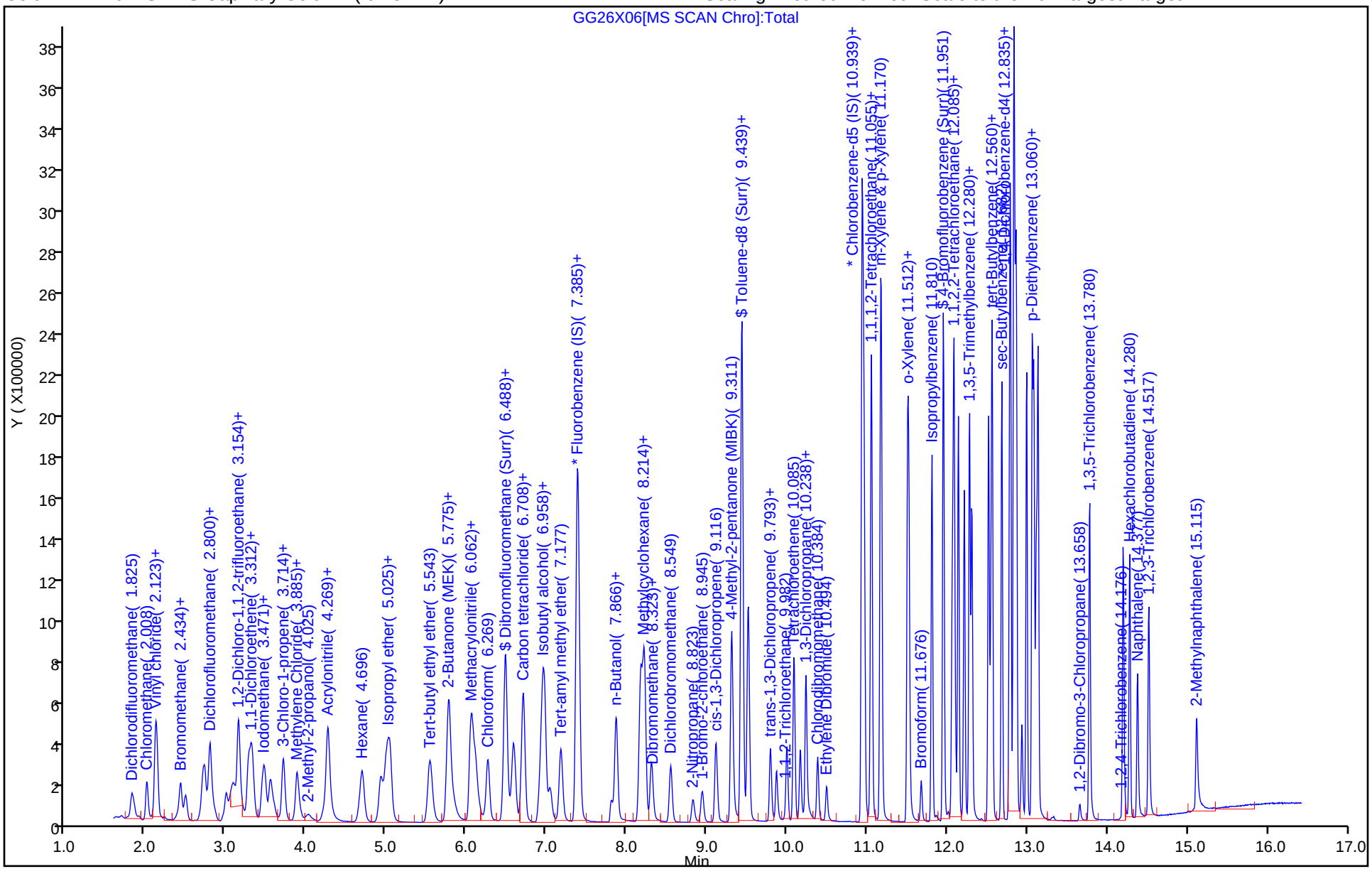
Report Date: 29-Aug-2024 10:39:29 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20240826-123245.b\GG26X06.D

Injection Date:	26-Aug-2024 16:18:30	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



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

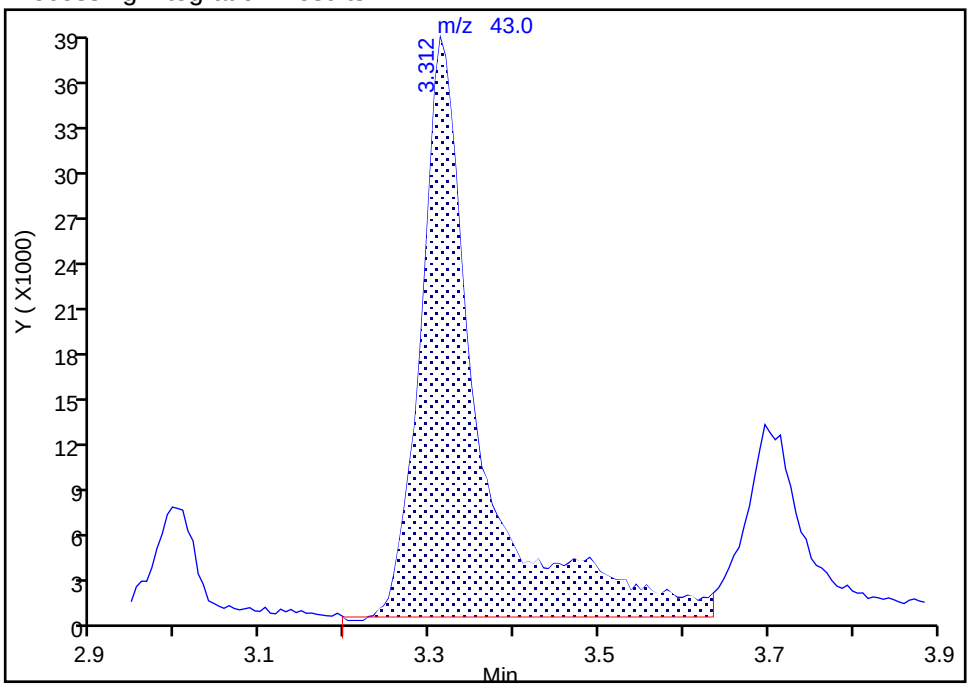
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Injection Date: 26-Aug-2024 16:18:30 Instrument ID: 16334
Lims ID: IC std5
Client ID:
Operator ID: knk41612 ALS Bottle#: 6 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

19 Acetone, CAS: 67-64-1

Signal: 1

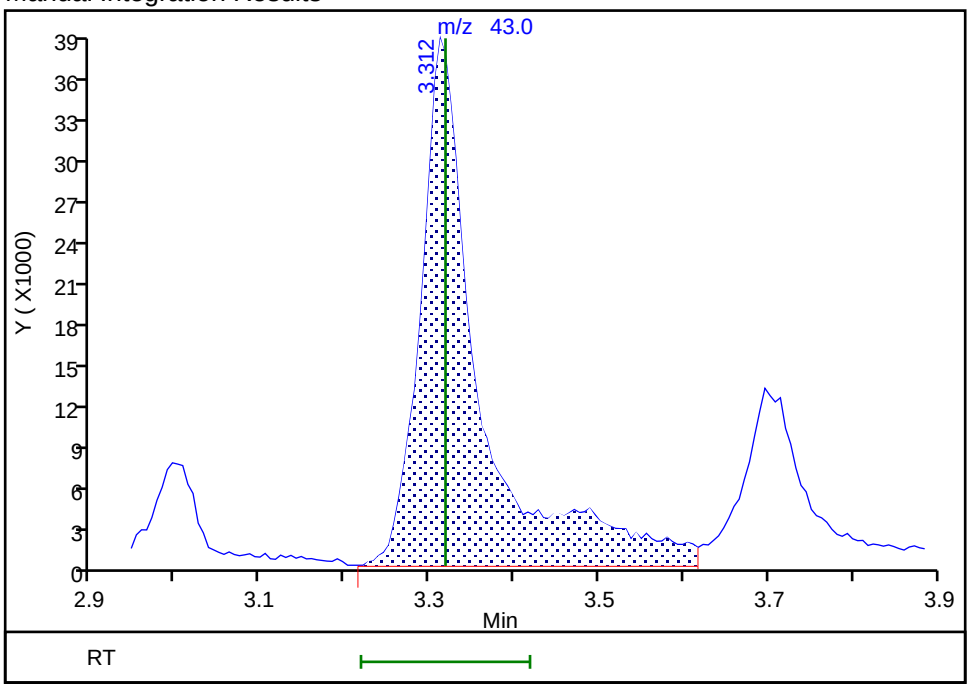
Processing Integration Results

RT: 3.31
Area: 182135
Amount: 49.847521
Amount Units: ug/l



Manual Integration Results

RT: 3.31
Area: 187574
Amount: 46.582442
Amount Units: ug/l



Reviewer: JS6E, 26-Aug-2024 22:01:25 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

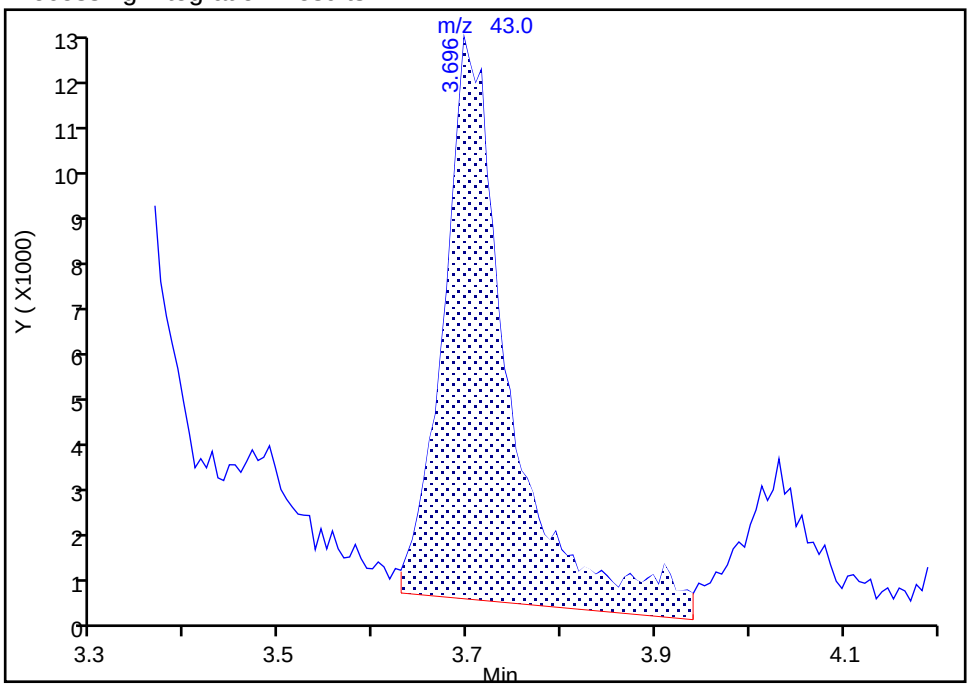
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Injection Date:	26-Aug-2024 16:18:30	Instrument ID:	16334		
Lims ID:	IC std5				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	6	Worklist Smp#:	17
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

25 Methyl acetate, CAS: 79-20-9

Signal: 1

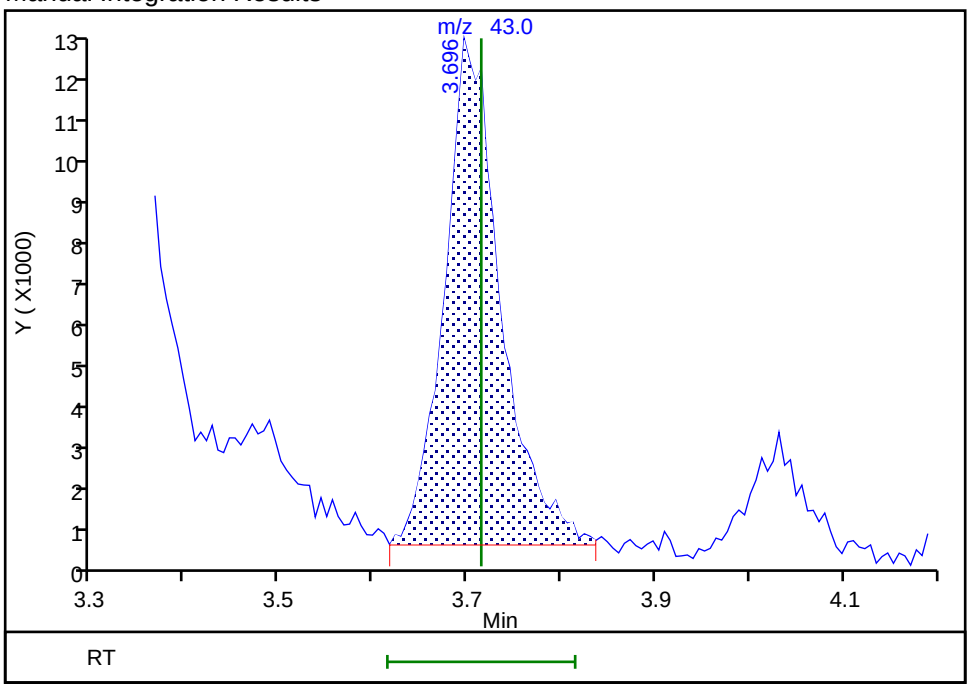
Processing Integration Results

RT: 3.70
Area: 59145
Amount: 6.037044
Amount Units: ug/l



Manual Integration Results

RT: 3.70
Area: 48088
Amount: 4.701841
Amount Units: ug/l



Reviewer: JS6E, 26-Aug-2024 21:54:26 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

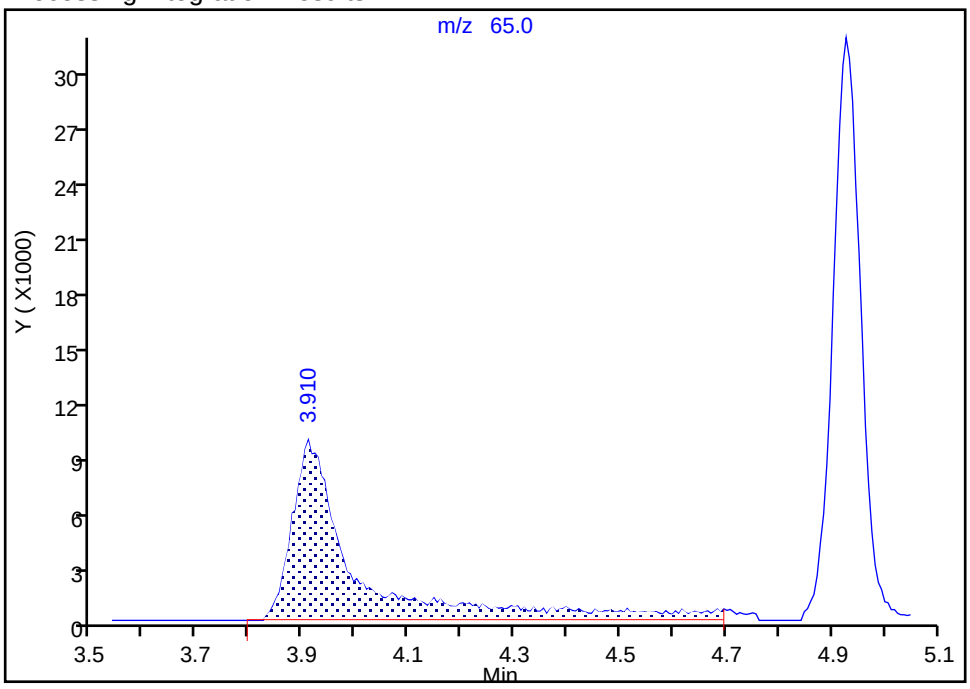
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Injection Date: 26-Aug-2024 16:18:30 Instrument ID: 16334
Lims ID: IC std5
Client ID:
Operator ID: knk41612 ALS Bottle#: 6 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

* 30 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

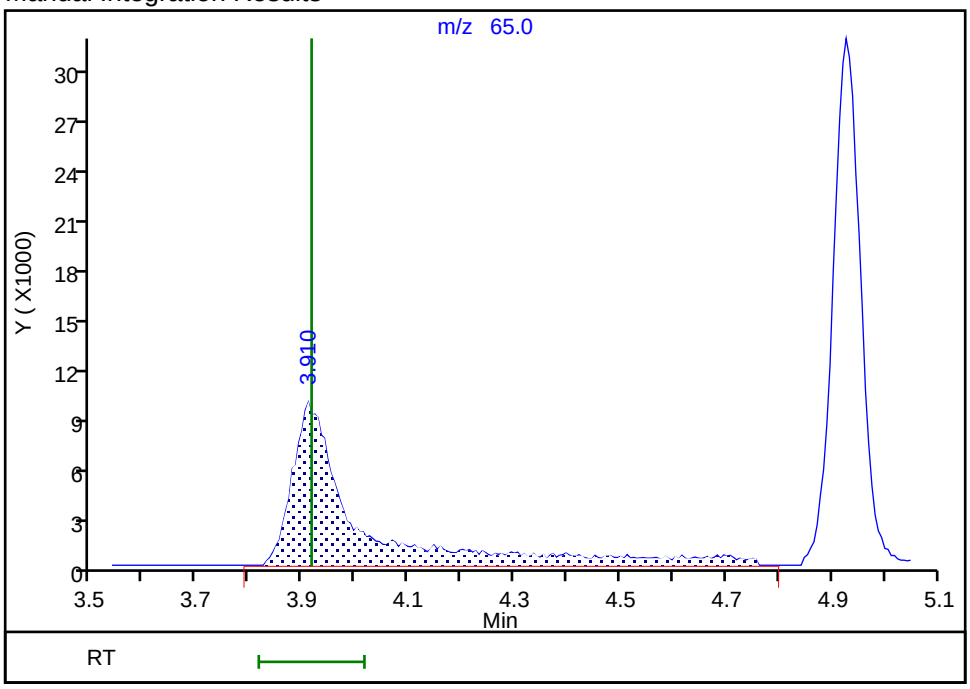
Processing Integration Results

RT: 3.91
Area: 82298
Amount: 50.000000
Amount Units: ug/l



Manual Integration Results

RT: 3.91
Area: 83821
Amount: 50.000000
Amount Units: ug/l



Reviewer: JS6E, 26-Aug-2024 21:54:35 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

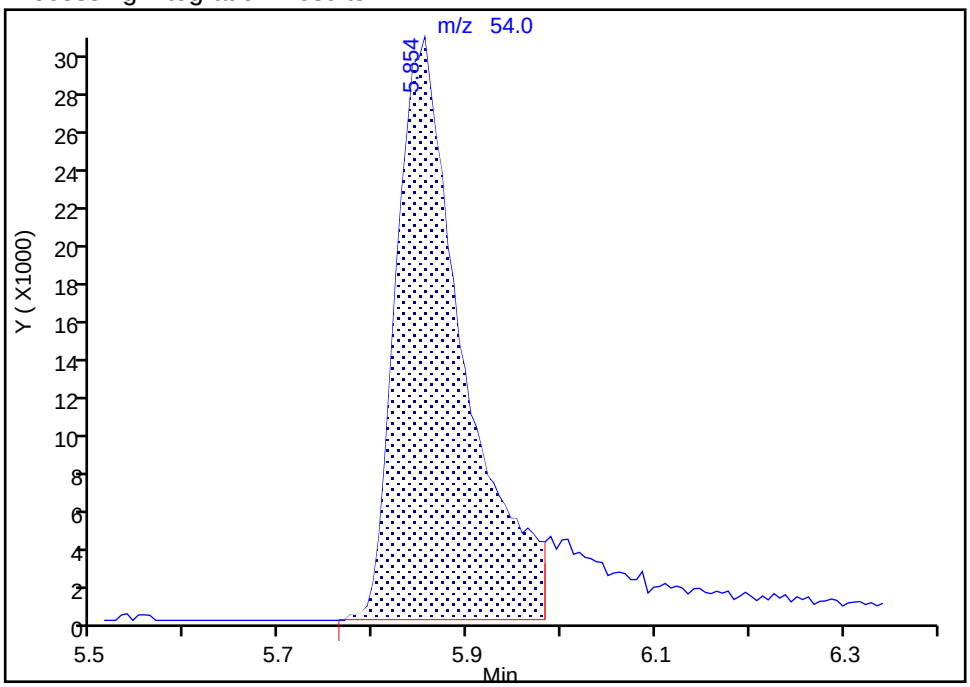
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Injection Date: 26-Aug-2024 16:18:30 Instrument ID: 16334
Lims ID: IC std5
Client ID:
Operator ID: knk41612 ALS Bottle#: 6 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

45 Propionitrile, CAS: 107-12-0

Signal: 1

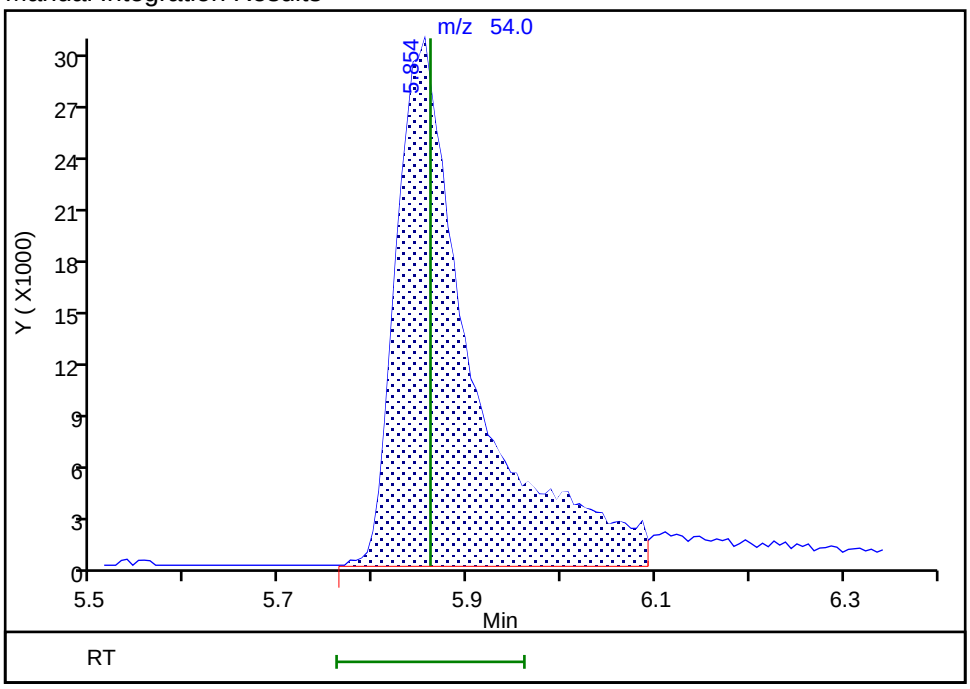
Processing Integration Results

RT: 5.85
Area: 154093
Amount: 95.546401
Amount Units: ug/l



Manual Integration Results

RT: 5.85
Area: 174191
Amount: 106.1191
Amount Units: ug/l



Reviewer: JS6E, 26-Aug-2024 23:48:23 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

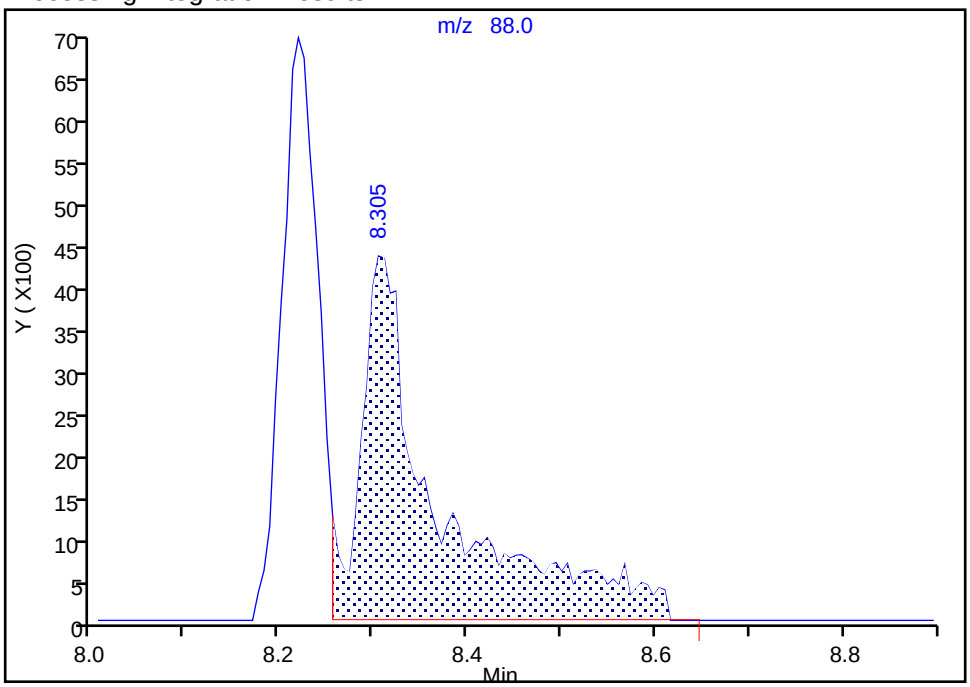
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Injection Date:	26-Aug-2024 16:18:30	Instrument ID:	16334		
Lims ID:	IC std5				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	6	Worklist Smp#:	17
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

73 1,4-Dioxane, CAS: 123-91-1

Signal: 1

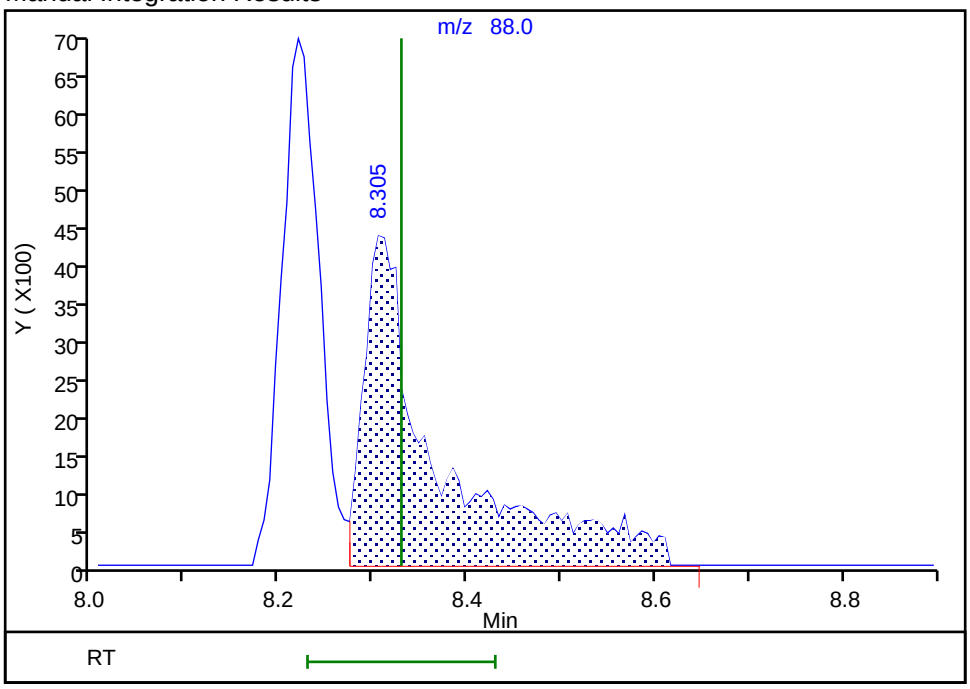
Processing Integration Results

RT: 8.31
Area: 24858
Amount: 312.7532
Amount Units: ug/l



Manual Integration Results

RT: 8.31
Area: 23908
Amount: 272.2926
Amount Units: ug/l



Reviewer: JS6E, 26-Aug-2024 21:54:57 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20240826-123245.b\GG26X07.D
Lims ID: ICIS std6
Client ID:
Sample Type: ICIS Calib Level: 6
Inject. Date: 26-Aug-2024 16:40:30 ALS Bottle#: 7 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0123245-018
Misc. Info.: ICIS STD6
Operator ID: knk41612 Instrument ID: 16334
Sublist: chrom-MSV_16334_25mL*sub4

Method: \\chromfs\Lancaster\ChromData\16334\20240826-123245.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 29-Aug-2024 10:39:36 Calib Date: 26-Aug-2024 17:02:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\16334\20240826-123245.b\GG26X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1615

First Level Reviewer: JS6E Date: 26-Aug-2024 20:05:34

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.831	1.831	0.000	99	491870	10.0	9.27	
5 Chloromethane	50	2.020	2.020	0.000	99	542982	10.0	9.53	
6 Vinyl chloride	62	2.123	2.123	0.000	98	512063	10.0	9.63	
7 Butadiene	39	2.135	2.135	0.000	93	514558	10.0	9.36	
9 Bromomethane	94	2.440	2.440	0.000	91	402717	10.0	9.72	
10 Chloroethane	64	2.501	2.501	0.000	100	308494	10.0	9.61	
11 Dichlorofluoromethane	67	2.733	2.733	0.000	97	862389	10.0	9.52	
12 Trichlorofluoromethane	101	2.794	2.794	0.000	98	711638	10.0	9.56	
13 Ethyl ether	59	3.007	3.007	0.000	90	256276	10.0	9.97	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.093	3.093	0.000	90	459445	10.0	9.48	
17 Acrolein	56	3.160	3.160	0.000	100	1697610	501.1	524.6	
18 1,1-Dichloroethene	96	3.288	3.288	0.000	97	368092	10.0	9.65	
19 Acetone	43	3.324	3.324	0.000	100	372573	100.0	89.8	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.330	3.330	0.000	91	391201	10.0	9.82	
22 Iodomethane	142	3.464	3.464	0.000	99	771774	10.0	10.0	
23 Ethyl bromide	108	3.489	3.489	0.000	98	330456	10.0	9.78	
21 Isopropyl alcohol	45	3.495	3.495	0.000	38	117112	200.0	222.8	
24 Carbon disulfide	76	3.562	3.562	0.000	99	1257225	10.0	9.71	
25 Methyl acetate	43	3.708	3.708	0.000	26	97250	10.0	9.23	M
27 3-Chloro-1-propene	41	3.720	3.720	0.000	92	595941	10.0	9.79	
29 Methylene Chloride	84	3.891	3.891	0.000	90	401911	10.0	9.56	
* 30 t-Butyl alcohol-d10 (IS)	65	3.922	3.922	0.000	98	86334	50.0	50.0	M
31 2-Methyl-2-propanol	59	4.037	4.037	0.000	100	217228	200.0	196.1	
32 Acrylonitrile	53	4.214	4.214	0.000	98	146843	25.0	28.1	
34 trans-1,2-Dichloroethene	96	4.275	4.275	0.000	99	437312	10.0	9.91	
33 Methyl tert-butyl ether	73	4.281	4.281	0.000	92	832749	10.0	9.96	
35 Hexane	57	4.702	4.702	0.000	92	538296	10.0	9.89	
37 1,1-Dichloroethane	63	4.934	4.934	0.000	96	761453	10.0	10.1	
38 Isopropyl ether	45	5.007	5.007	0.000	93	1224605	10.0	10.2	
39 2-Chloro-1,3-butadiene	53	5.049	5.049	0.000	90	598931	10.0	10.1	

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	5.549	5.549	0.000	97	1126855	10.0	10.2	
41 2-Butanone (MEK)	43	5.769	5.769	0.000	100	672649	100.0	107.1	
42 cis-1,2-Dichloroethene	96	5.781	5.781	0.000	81	489201	10.0	9.93	
43 2,2-Dichloropropane	77	5.793	5.793	0.000	90	657958	10.0	9.86	
45 Propionitrile	54	5.854	5.854	0.000	99	377428	200.0	223.2	
48 Methacrylonitrile	67	6.068	6.068	0.000	91	793674	100.0	107.7	
49 Chlorobromomethane	128	6.110	6.110	0.000	87	201621	10.0	10.3	
50 Tetrahydrofuran	71	6.147	6.147	0.000	77	101911	50.0	55.9	
51 Chloroform	83	6.269	6.269	0.000	93	770841	10.0	9.84	
$ 52 Dibromofluoromethane (Surr)	113	6.488	6.488	0.000	94	532077	10.0	10.1	
53 1,1,1-Trichloroethane	97	6.494	6.494	0.000	98	685335	10.0	9.87	
54 Cyclohexane	56	6.592	6.592	0.000	89	641048	10.0	9.77	
55 Carbon tetrachloride	117	6.708	6.708	0.000	95	624282	10.0	9.96	
56 1,1-Dichloropropene	75	6.714	6.714	0.000	97	587583	10.0	9.96	
58 Isobutyl alcohol	41	6.909	6.909	0.000	92	192495	500.0	524.7	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.945	6.945	0.000	92	98215	10.0	9.99	
60 Benzene	78	6.976	6.976	0.000	96	1756004	10.0	9.87	
61 1,2-Dichloroethane	62	7.049	7.049	0.000	98	415587	10.0	10.0	
63 Tert-amyl methyl ether	73	7.183	7.183	0.000	99	953367	10.0	10.3	
* 64 Fluorobenzene (IS)	96	7.390	7.390	0.000	99	2209380	10.0	10.0	
65 n-Heptane	43	7.409	7.409	0.000	87	516332	10.0	9.31	
67 n-Butanol	56	7.805	7.805	0.000	89	274545	875.0	983.8	
68 Trichloroethene	95	7.872	7.872	0.000	97	484761	10.0	9.97	
69 Methylcyclohexane	83	8.171	8.171	0.000	90	734344	10.0	9.91	
70 1,2-Dichloropropane	63	8.195	8.195	0.000	97	427078	10.0	10.2	
71 2-ethoxy-2-methyl butane	87	8.226	8.226	0.000	95	681127	10.0	10.2	
74 Dibromomethane	93	8.311	8.311	0.000	94	191809	10.0	10.4	
72 Methyl methacrylate	69	8.305	8.305	0.000	92	141644	10.0	10.8	
73 1,4-Dioxane	88	8.305	8.305	0.000	31	46842	500.0	505.8	M
76 Dichlorobromomethane	83	8.555	8.555	0.000	99	529953	10.0	10.5	
77 2-Nitropropane	41	8.829	8.829	0.000	99	212395	50.0	50.0	
79 1-Bromo-2-chloroethane	63	8.945	8.945	0.000	98	373343	10.0	10.2	
81 cis-1,3-Dichloropropene	75	9.116	9.116	0.000	97	652981	10.0	10.6	
82 4-Methyl-2-pentanone (MIBK)	43	9.311	9.311	0.000	96	1772946	100.0	110.6	
$ 83 Toluene-d8 (Surr)	98	9.439	9.439	0.000	93	2183196	10.0	9.97	
84 Toluene	92	9.518	9.518	0.000	98	1173913	10.0	9.92	
85 trans-1,3-Dichloropropene	75	9.792	9.792	0.000	92	507950	10.0	10.9	
86 Ethyl methacrylate	69	9.866	9.866	0.000	88	336306	10.0	11.7	
107 1,1,2-Trichloroethane	97	10.000	10.000	0.000	90	269722	10.0	10.0	
108 Tetrachloroethene	166	10.091	10.091	0.000	97	561345	10.0	9.83	
109 1,3-Dichloropropane	76	10.164	10.164	0.000	89	460729	10.0	10.4	
110 2-Hexanone	43	10.237	10.237	0.000	96	1153695	100.0	118.4	
112 Chlorodibromomethane	129	10.384	10.384	0.000	89	367845	10.0	10.8	
113 Ethylene Dibromide	107	10.494	10.494	0.000	99	261655	10.0	10.8	
* 114 Chlorobenzene-d5 (IS)	117	10.939	10.939	0.000	83	1673760	10.0	10.0	
115 1-Chlorohexane	91	10.951	10.951	0.000	95	624081	10.0	9.67	
116 Chlorobenzene	112	10.963	10.963	0.000	96	1353297	10.0	9.99	
117 1,1,1,2-Tetrachloroethane	131	11.048	11.048	0.000	96	486410	10.0	10.4	
118 Ethylbenzene	91	11.054	11.054	0.000	98	2300778	10.0	10.1	
120 m-Xylene & p-Xylene	106	11.170	11.170	0.000	100	1828170	20.0	20.3	
121 o-Xylene	106	11.506	11.506	0.000	96	902356	10.0	10.2	
122 Styrene	104	11.524	11.524	0.000	95	1425735	10.0	10.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
123 Bromoform	173	11.676	11.676	0.000	97	205426	10.0	11.4	
124 Isopropylbenzene	105	11.810	11.810	0.000	95	2213473	10.0	10.1	
$ 127 4-Bromofluorobenzene (Surr)	95	11.951	11.951	0.000	94	769725	10.0	10.0	
128 1,1,2,2-Tetrachloroethane	83	12.060	12.060	0.000	93	309375	10.0	10.3	
129 Bromobenzene	156	12.066	12.066	0.000	95	566629	10.0	10.1	
130 trans-1,4-Dichloro-2-butene	53	12.085	12.085	0.000	90	736697	100.0	110.0	
131 1,2,3-Trichloropropane	110	12.103	12.103	0.000	80	84369	10.0	10.5	
132 N-Propylbenzene	91	12.140	12.140	0.000	99	2670547	10.0	9.96	
133 2-Chlorotoluene	126	12.213	12.213	0.000	97	583790	10.0	9.97	
134 1,3,5-Trimethylbenzene	105	12.280	12.280	0.000	94	2027283	10.0	10.1	
135 4-Chlorotoluene	126	12.304	12.304	0.000	97	595192	10.0	9.82	
136 tert-Butylbenzene	134	12.518	12.518	0.000	93	470227	10.0	10.0	
137 Pentachloroethane	167	12.548	12.548	0.000	94	355866	10.0	10.4	
138 1,2,4-Trimethylbenzene	105	12.560	12.560	0.000	97	2097201	10.0	10.3	
139 sec-Butylbenzene	105	12.682	12.682	0.000	94	2588107	10.0	10.0	
140 1,3-Dichlorobenzene	146	12.780	12.780	0.000	99	1165983	10.0	10.1	
141 4-Isopropyltoluene	119	12.792	12.792	0.000	97	2337589	10.0	10.2	
* 142 1,4-Dichlorobenzene-d4	152	12.835	12.835	0.000	92	940827	10.0	10.0	
143 1,4-Dichlorobenzene	146	12.853	12.853	0.000	95	1172586	10.0	9.61	
144 1,2,3-Trimethylbenzene	120	12.865	12.865	0.000	98	899967	10.0	9.87	
145 Benzyl chloride	126	12.932	12.932	0.000	98	142004	10.0	11.4	
146 p-Diethylbenzene	119	13.060	13.060	0.000	94	1420941	10.0	10.1	
147 n-Butylbenzene	92	13.078	13.078	0.000	96	1096946	10.0	10.2	
148 1,2-Dichlorobenzene	146	13.109	13.109	0.000	99	996395	10.0	9.92	
150 1,2-Dibromo-3-Chloropropane	155	13.651	13.651	0.000	86	59560	10.0	10.0	
151 1,3,5-Trichlorobenzene	180	13.773	13.773	0.000	98	995742	10.0	9.89	
152 1,2,4-Trichlorobenzene	180	14.194	14.194	0.000	94	847736	10.0	10.2	
153 Hexachlorobutadiene	225	14.279	14.279	0.000	97	421568	10.0	9.10	
154 Naphthalene	128	14.371	14.371	0.000	97	1145583	10.0	10.5	
155 1,2,3-Trichlorobenzene	180	14.517	14.517	0.000	96	673208	10.0	9.71	
156 2-Methylnaphthalene	142	15.108	15.108	0.000	92	634594	10.0	10.8	
167 Pentane	43	2.806	2.806	0.000	96	574913	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_#1_826_00143	Amount Added: 10.00	Units: uL	
MSV_LL_GAS826_00229	Amount Added: 10.00	Units: uL	
MSV_LL_#2_826_00149	Amount Added: 10.00	Units: uL	
MSV_HP25_ISSS_00094	Amount Added: 1.00	Units: uL	Run Reagent

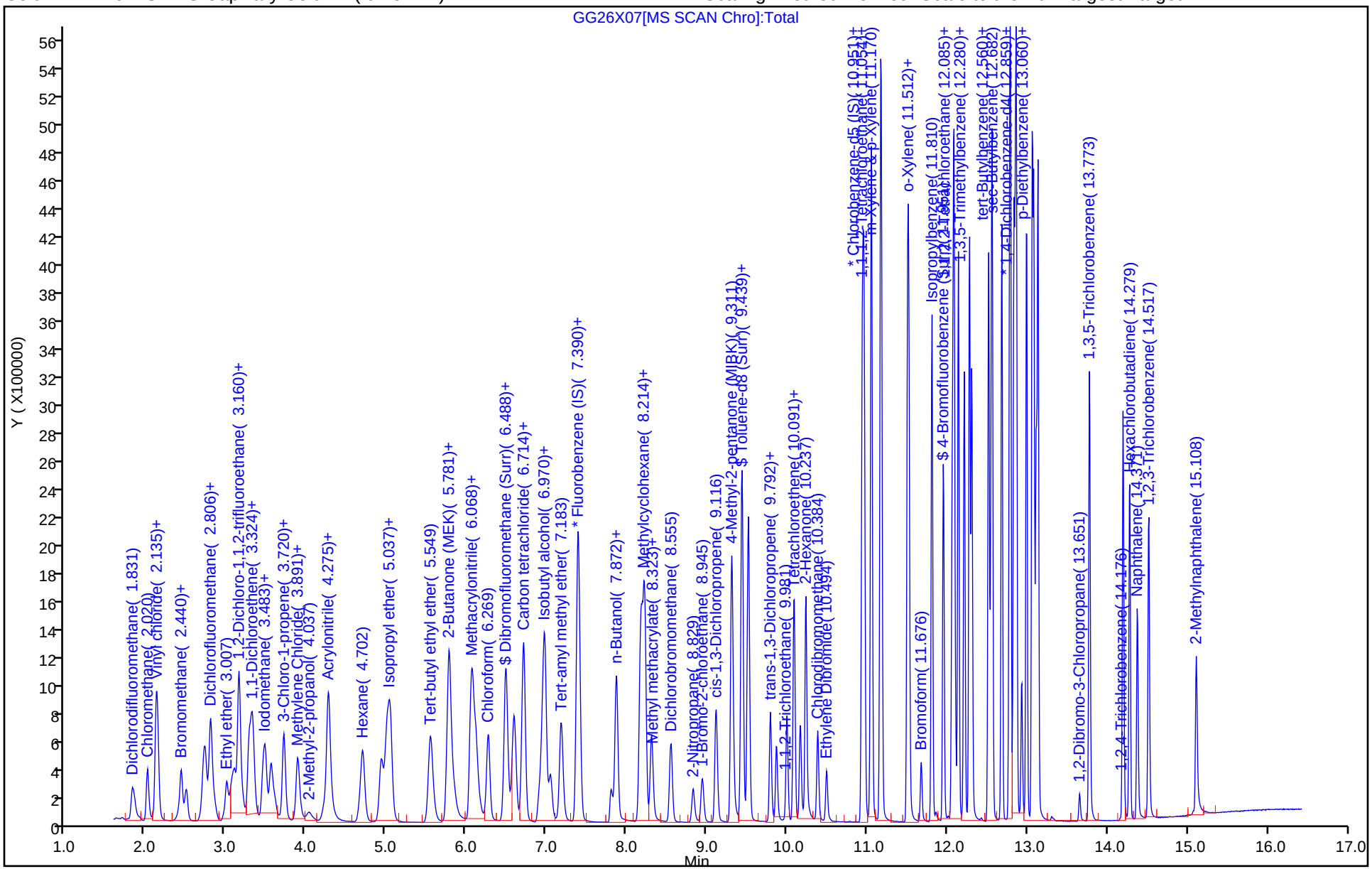
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Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20240826-123245.b\GG26X07.D

Injection Date:	26-Aug-2024 16:40:30	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



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

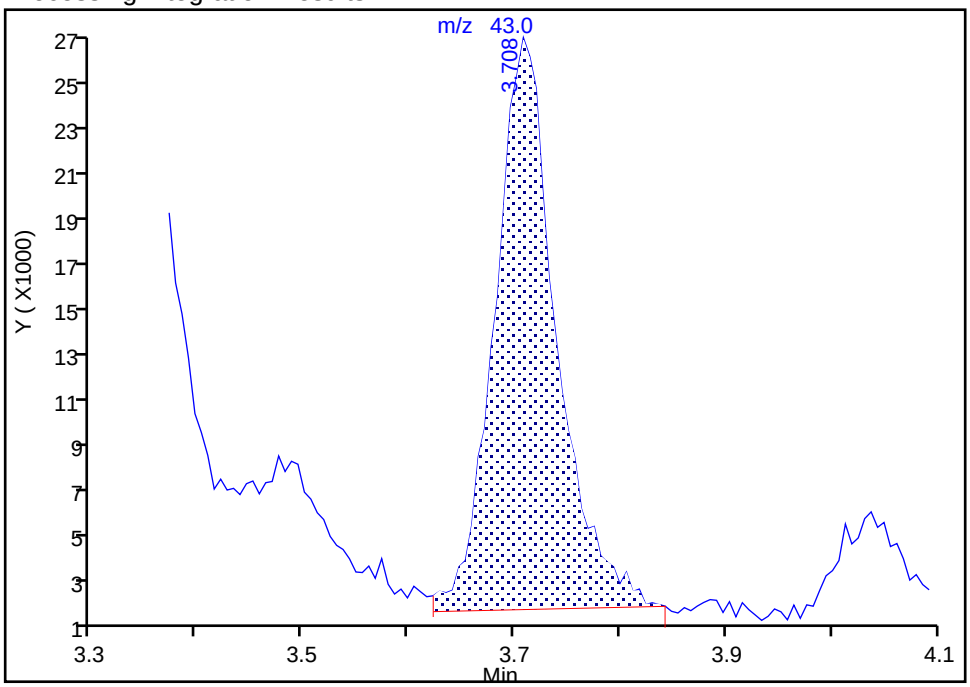
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Injection Date:	26-Aug-2024 16:40:30	Instrument ID:	16334		
Lims ID:	ICIS std6				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	7	Worklist Smp#:	18
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

25 Methyl acetate, CAS: 79-20-9

Signal: 1

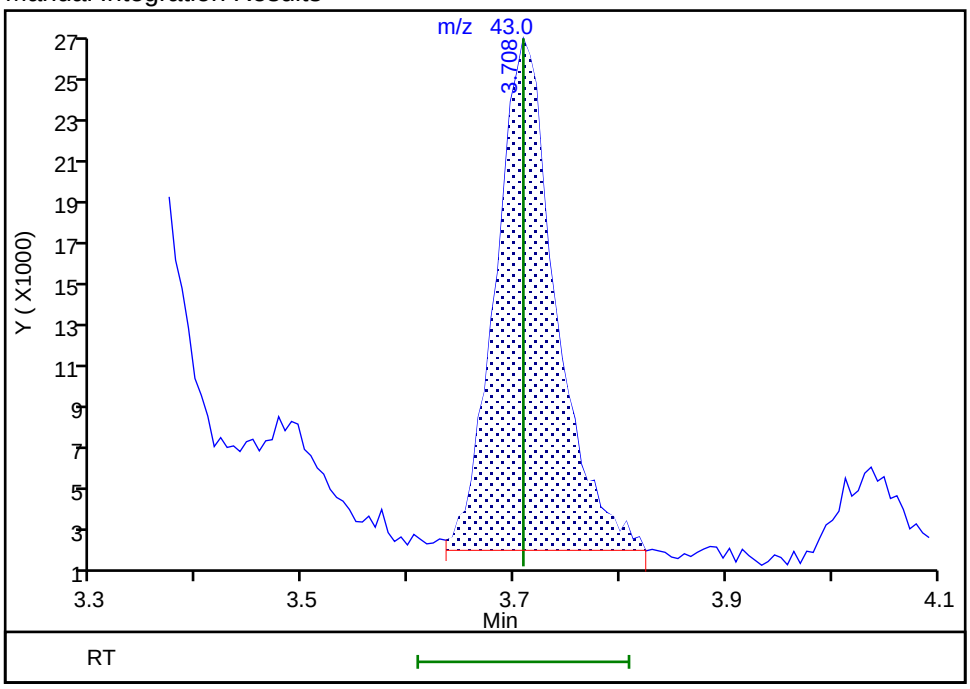
Processing Integration Results

RT: 3.71
Area: 99545
Amount: 9.931456
Amount Units: ug/l



Manual Integration Results

RT: 3.71
Area: 97250
Amount: 9.231915
Amount Units: ug/l



Reviewer: JS6E, 26-Aug-2024 20:03:23 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

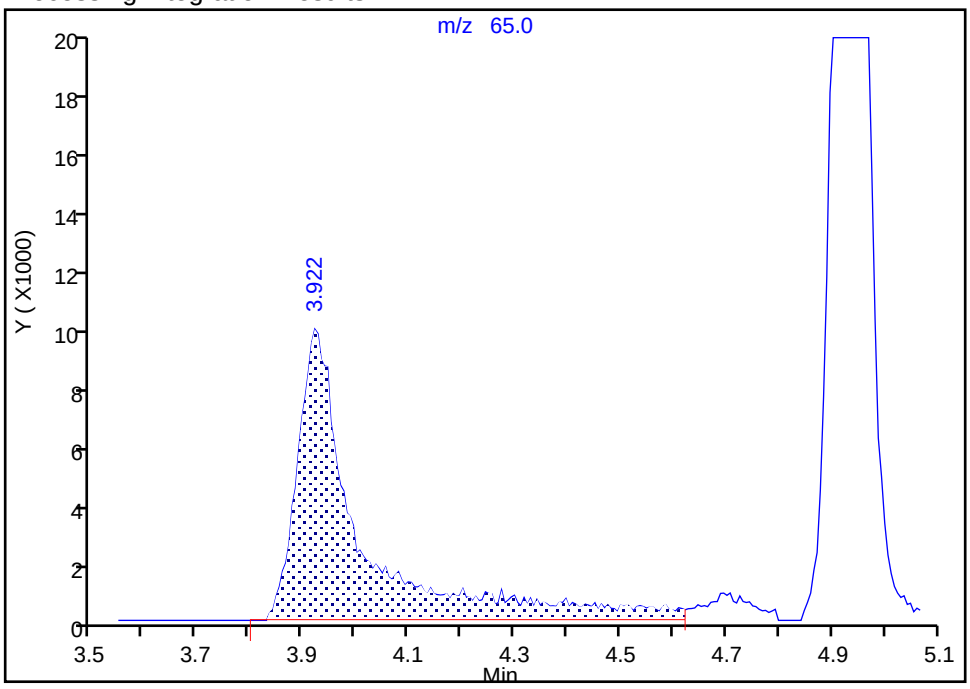
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Injection Date: 26-Aug-2024 16:40:30 Instrument ID: 16334
Lims ID: ICIS std6
Client ID:
Operator ID: knk41612 ALS Bottle#: 7 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

* 30 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

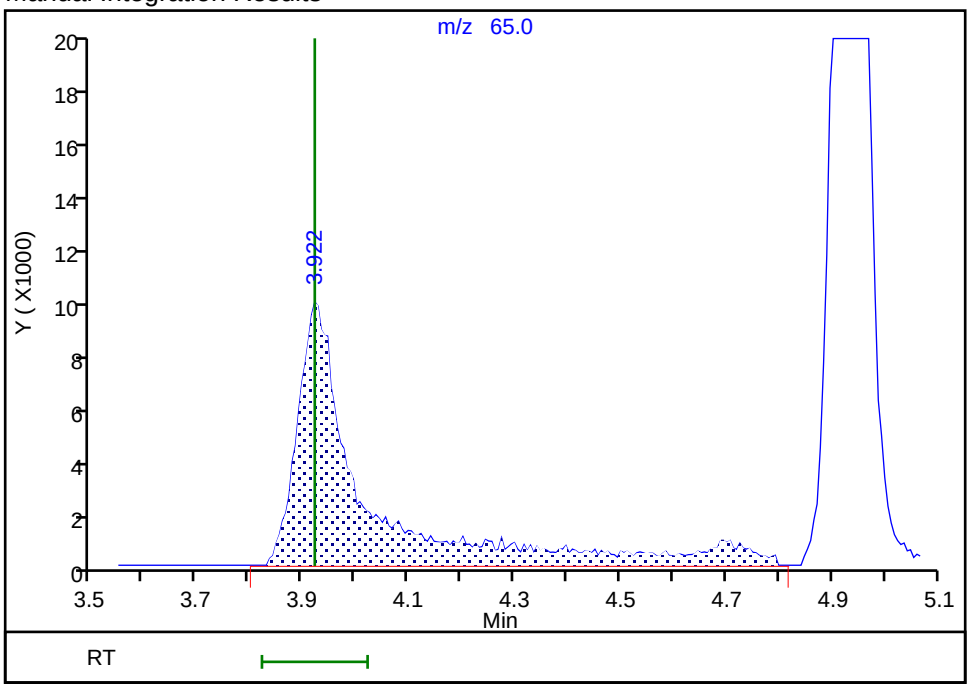
Processing Integration Results

RT: 3.92
Area: 80685
Amount: 50.000000
Amount Units: ug/l



Manual Integration Results

RT: 3.92
Area: 86334
Amount: 50.000000
Amount Units: ug/l



Reviewer: JS6E, 26-Aug-2024 20:03:37 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

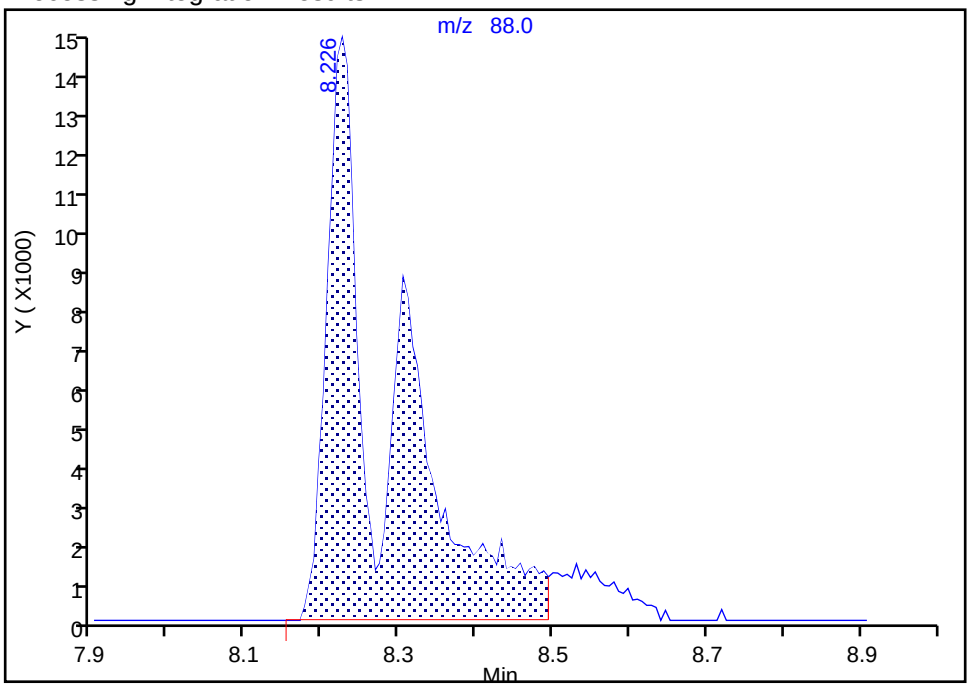
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Injection Date: 26-Aug-2024 16:40:30 Instrument ID: 16334
Lims ID: ICIS std6
Client ID:
Operator ID: knk41612 ALS Bottle#: 7 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

73 1,4-Dioxane, CAS: 123-91-1

Signal: 1

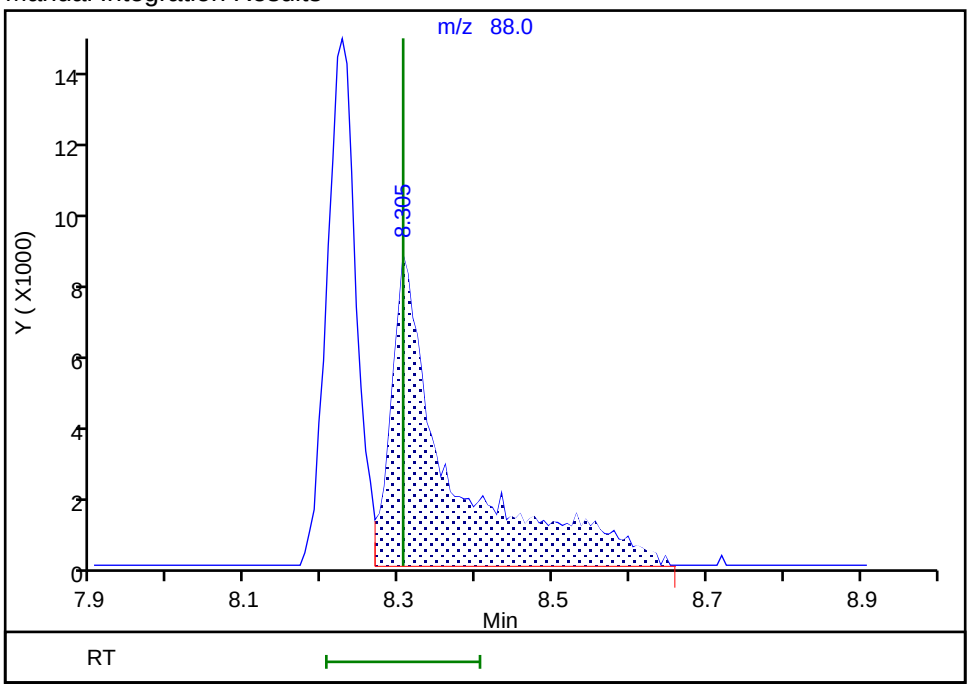
Processing Integration Results

RT: 8.23
Area: 77814
Amount: 683.3573
Amount Units: ug/l



Manual Integration Results

RT: 8.30
Area: 46842
Amount: 505.7924
Amount Units: ug/l



Reviewer: JS6E, 26-Aug-2024 20:04:55 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20240826-123245.b\GG26X08.D
Lims ID: IC std7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 26-Aug-2024 17:02:30 ALS Bottle#: 8 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0123245-019
Misc. Info.: IC STD7
Operator ID: knk41612 Instrument ID: 16334
Sublist: chrom-MSV_16334_25mL*sub4

Method: \\chromfs\Lancaster\ChromData\16334\20240826-123245.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 29-Aug-2024 10:39:42 Calib Date: 26-Aug-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\16334\20240826-123245.b\GG26X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1615

First Level Reviewer: JS6E Date: 26-Aug-2024 21:53:15

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.837	1.831	0.006	99	1283245	25.0	25.1	
5 Chloromethane	50	2.014	2.020	-0.006	99	1347903	25.0	24.6	
6 Vinyl chloride	62	2.123	2.123	0.000	98	1302114	25.0	25.4	
7 Butadiene	39	2.135	2.135	0.000	92	1307013	25.0	24.7	
9 Bromomethane	94	2.434	2.440	-0.006	91	1020085	25.0	25.5	
10 Chloroethane	64	2.501	2.501	0.000	100	780973	25.0	25.3	
11 Dichlorofluoromethane	67	2.733	2.733	0.000	97	2166416	25.0	24.8	
12 Trichlorofluoromethane	101	2.794	2.794	0.000	98	1817377	25.0	25.3	
13 Ethyl ether	59	3.001	3.007	-0.006	90	647594	25.0	26.1	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.093	3.093	0.000	90	1168047	25.0	25.0	
17 Acrolein	56	3.154	3.160	-0.006	99	4548376	1252.7	1304.9	
18 1,1-Dichloroethene	96	3.288	3.288	0.000	97	890772	25.0	24.2	
19 Acetone	43	3.318	3.324	-0.006	100	981766	250.0	219.8	M
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.330	3.330	0.000	91	979609	25.0	25.5	
22 Iodomethane	142	3.464	3.464	0.000	99	1897668	25.0	25.6	
23 Ethyl bromide	108	3.489	3.489	0.000	98	821925	25.0	25.2	
21 Isopropyl alcohol	45	3.489	3.495	-0.006	38	270470	500.0	533.9	
24 Carbon disulfide	76	3.562	3.562	0.000	99	3089433	25.0	24.8	
25 Methyl acetate	43	3.708	3.708	0.000	91	262824	25.0	23.2	
27 3-Chloro-1-propene	41	3.714	3.720	-0.006	92	1460599	25.0	24.9	
29 Methylene Chloride	84	3.891	3.891	0.000	90	993815	25.0	24.5	
* 30 t-Butyl alcohol-d10 (IS)	65	3.934	3.922	0.012	98	92987	50.0	50.0	M
31 2-Methyl-2-propanol	59	4.038	4.037	0.001	100	587562	500.0	492.5	
32 Acrylonitrile	53	4.214	4.214	0.000	99	370676	62.5	65.8	
34 trans-1,2-Dichloroethene	96	4.269	4.275	-0.006	98	1077745	25.0	25.3	
33 Methyl tert-butyl ether	73	4.275	4.281	-0.006	82	2078100	25.0	25.8	
35 Hexane	57	4.702	4.702	0.000	92	1357157	25.0	25.9	
37 1,1-Dichloroethane	63	4.928	4.934	-0.006	96	1835460	25.0	25.2	
38 Isopropyl ether	45	5.007	5.007	0.000	94	3035298	25.0	26.2	
39 2-Chloro-1,3-butadiene	53	5.043	5.049	-0.006	90	1502472	25.0	26.2	

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	5.549	5.549	0.000	97	2808691	25.0	26.3	
41 2-Butanone (MEK)	43	5.763	5.769	-0.006	100	1711723	250.0	253.1	
42 cis-1,2-Dichloroethene	96	5.781	5.781	0.000	80	1211419	25.0	25.5	
43 2,2-Dichloropropane	77	5.799	5.793	0.006	87	1612076	25.0	25.1	
45 Propionitrile	54	5.848	5.854	-0.006	99	966003	500.0	530.5	
48 Methacrylonitrile	67	6.068	6.068	0.000	91	2005427	250.0	252.7	
49 Chlorobromomethane	128	6.110	6.110	0.000	87	491900	25.0	26.1	
50 Tetrahydrofuran	71	6.147	6.147	0.000	77	261300	125.0	133.1	
S 47 1,2-Dichloroethene, Total	100				0			50.9	
51 Chloroform	83	6.269	6.269	0.000	93	1895780	25.0	25.1	
$ 52 Dibromofluoromethane (Surr)	113	6.488	6.488	0.000	94	510309	10.0	10.0	
53 1,1,1-Trichloroethane	97	6.494	6.494	0.000	98	1688502	25.0	25.2	
54 Cyclohexane	56	6.592	6.592	0.000	89	1625198	25.0	25.7	
55 Carbon tetrachloride	117	6.708	6.708	0.000	96	1564988	25.0	25.9	
56 1,1-Dichloropropene	75	6.714	6.714	0.000	98	1454958	25.0	25.6	
58 Isobutyl alcohol	41	6.909	6.909	0.000	93	511218	1250.0	1446.3	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.946	6.945	0.001	76	95175	10.0	10.0	
60 Benzene	78	6.976	6.976	0.000	96	4367923	25.0	25.5	
61 1,2-Dichloroethane	62	7.049	7.049	0.000	98	1044306	25.0	26.1	
63 Tert-amyl methyl ether	73	7.177	7.183	-0.006	98	2360637	25.0	26.5	
* 64 Fluorobenzene (IS)	96	7.384	7.390	-0.006	99	2128835	10.0	10.0	
65 n-Heptane	43	7.403	7.409	-0.006	92	1312240	25.0	24.6	
67 n-Butanol	56	7.799	7.805	-0.006	87	778484	2187.5	2590.1	
68 Trichloroethene	95	7.872	7.872	0.000	97	1194342	25.0	25.5	
69 Methylcyclohexane	83	8.171	8.171	0.000	91	1875846	25.0	26.3	
70 1,2-Dichloropropane	63	8.201	8.195	0.006	97	1064817	25.0	26.3	
71 2-ethoxy-2-methyl butane	87	8.226	8.226	0.000	94	1715736	25.0	26.6	
72 Methyl methacrylate	69	8.305	8.305	0.000	90	383054	25.0	27.2	
73 1,4-Dioxane	88	8.305	8.305	0.000	32	126154	1250.0	1244.5	Ma
74 Dibromomethane	93	8.311	8.311	0.000	94	483324	25.0	27.2	
76 Dichlorobromomethane	83	8.549	8.555	-0.006	99	1329931	25.0	27.2	
77 2-Nitropropane	41	8.829	8.829	0.000	97	554604	125.0	121.2	
79 1-Bromo-2-chloroethane	63	8.945	8.945	0.000	98	952249	25.0	27.1	
81 cis-1,3-Dichloropropene	75	9.116	9.116	0.000	97	1657298	25.0	28.0	
82 4-Methyl-2-pentanone (MIBK)	43	9.311	9.311	0.000	96	4548437	250.0	263.4	
$ 83 Toluene-d8 (Surr)	98	9.439	9.439	0.000	93	2097577	10.0	9.85	
84 Toluene	92	9.518	9.518	0.000	98	2909792	25.0	25.3	
85 trans-1,3-Dichloropropene	75	9.793	9.792	0.001	91	1313092	25.0	29.0	
86 Ethyl methacrylate	69	9.866	9.866	0.000	88	885980	25.0	31.6	
107 1,1,2-Trichloroethane	97	10.000	10.000	0.000	90	679119	25.0	26.0	
S 106 1,3-Dichloropropene, Total	100				0			57.0	
108 Tetrachloroethene	166	10.091	10.091	0.000	97	1385142	25.0	25.0	
109 1,3-Dichloropropane	76	10.164	10.164	0.000	89	1155924	25.0	26.9	
110 2-Hexanone	43	10.231	10.237	-0.006	96	3028579	250.0	288.5	
112 Chlorodibromomethane	129	10.384	10.384	0.000	89	948527	25.0	28.8	
113 Ethylene Dibromide	107	10.494	10.494	0.000	99	659001	25.0	27.9	
* 114 Chlorobenzene-d5 (IS)	117	10.939	10.939	0.000	84	1627292	10.0	10.0	
115 1-Chlorohexane	91	10.957	10.951	0.006	95	1568123	25.0	25.0	
116 Chlorobenzene	112	10.963	10.963	0.000	97	3386862	25.0	25.7	
117 1,1,1,2-Tetrachloroethane	131	11.048	11.048	0.000	97	1211871	25.0	26.6	
118 Ethylbenzene	91	11.054	11.054	0.000	98	5793251	25.0	26.1	
120 m-Xylene & p-Xylene	106	11.170	11.170	0.000	100	4576475	50.0	52.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 119 Xylenes, Total	106				0			78.7	
121 o-Xylene	106	11.506	11.506	0.000	96	2275398	25.0	26.4	
122 Styrene	104	11.524	11.524	0.000	94	3648592	25.0	28.3	
123 Bromoform	173	11.676	11.676	0.000	98	536282	25.0	30.5	
124 Isopropylbenzene	105	11.810	11.810	0.000	95	5539942	25.0	26.0	
$ 127 4-Bromofluorobenzene (Surr)	95	11.951	11.951	0.000	94	741624	10.0	9.91	
128 1,1,2,2-Tetrachloroethane	83	12.054	12.060	-0.006	93	781648	25.0	27.5	
129 Bromobenzene	156	12.066	12.066	0.000	96	1411253	25.0	26.5	
130 trans-1,4-Dichloro-2-butene	53	12.085	12.085	0.000	89	1884192	250.0	261.2	
131 1,2,3-Trichloropropane	110	12.103	12.103	0.000	80	207659	25.0	27.3	
132 N-Propylbenzene	91	12.140	12.140	0.000	99	6761507	25.0	26.6	
133 2-Chlorotoluene	126	12.213	12.213	0.000	97	1451423	25.0	26.1	
134 1,3,5-Trimethylbenzene	105	12.280	12.280	0.000	94	5071272	25.0	26.7	
135 4-Chlorotoluene	126	12.304	12.304	0.000	97	1487742	25.0	25.9	
136 tert-Butylbenzene	134	12.518	12.518	0.000	92	1173227	25.0	26.3	
137 Pentachloroethane	167	12.548	12.548	0.000	91	932658	25.0	28.7	
138 1,2,4-Trimethylbenzene	105	12.560	12.560	0.000	97	5252641	25.0	27.3	
139 sec-Butylbenzene	105	12.682	12.682	0.000	94	6476932	25.0	26.5	
140 1,3-Dichlorobenzene	146	12.780	12.780	0.000	99	2932261	25.0	26.7	
141 4-Isopropyltoluene	119	12.792	12.792	0.000	97	5854431	25.0	26.8	
* 142 1,4-Dichlorobenzene-d4	152	12.835	12.835	0.000	92	891911	10.0	10.0	
143 1,4-Dichlorobenzene	146	12.853	12.853	0.000	95	2908580	25.0	25.1	
144 1,2,3-Trimethylbenzene	120	12.865	12.865	0.000	98	2253677	25.0	26.1	
145 Benzyl chloride	126	12.932	12.932	0.000	98	367918	25.0	31.1	
146 p-Diethylbenzene	119	13.060	13.060	0.000	94	3580010	25.0	26.9	
147 n-Butylbenzene	92	13.078	13.078	0.000	95	2739318	25.0	26.9	
148 1,2-Dichlorobenzene	146	13.109	13.109	0.000	99	2495066	25.0	26.2	
150 1,2-Dibromo-3-Chloropropane	155	13.652	13.651	0.001	91	157289	25.0	25.0	
151 1,3,5-Trichlorobenzene	180	13.773	13.773	0.000	98	2535726	25.0	26.6	
152 1,2,4-Trichlorobenzene	180	14.194	14.194	0.000	94	2150509	25.0	27.2	
153 Hexachlorobutadiene	225	14.279	14.279	0.000	96	1069185	25.0	24.4	
154 Naphthalene	128	14.371	14.371	0.000	97	2944821	25.0	28.5	
155 1,2,3-Trichlorobenzene	180	14.511	14.517	-0.006	96	1721378	25.0	26.2	
156 2-Methylnaphthalene	142	15.109	15.108	0.001	92	1688049	25.0	30.4	
167 Pentane	43	2.806	2.806	0.000	97	1431926	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_00143	Amount Added: 25.00	Units: uL	
MSV_LL_GAS826_00229	Amount Added: 25.00	Units: uL	
MSV_LL_#2_826_00149	Amount Added: 25.00	Units: uL	
MSV_HP25_ISSS_00094	Amount Added: 1.00	Units: uL	Run Reagent

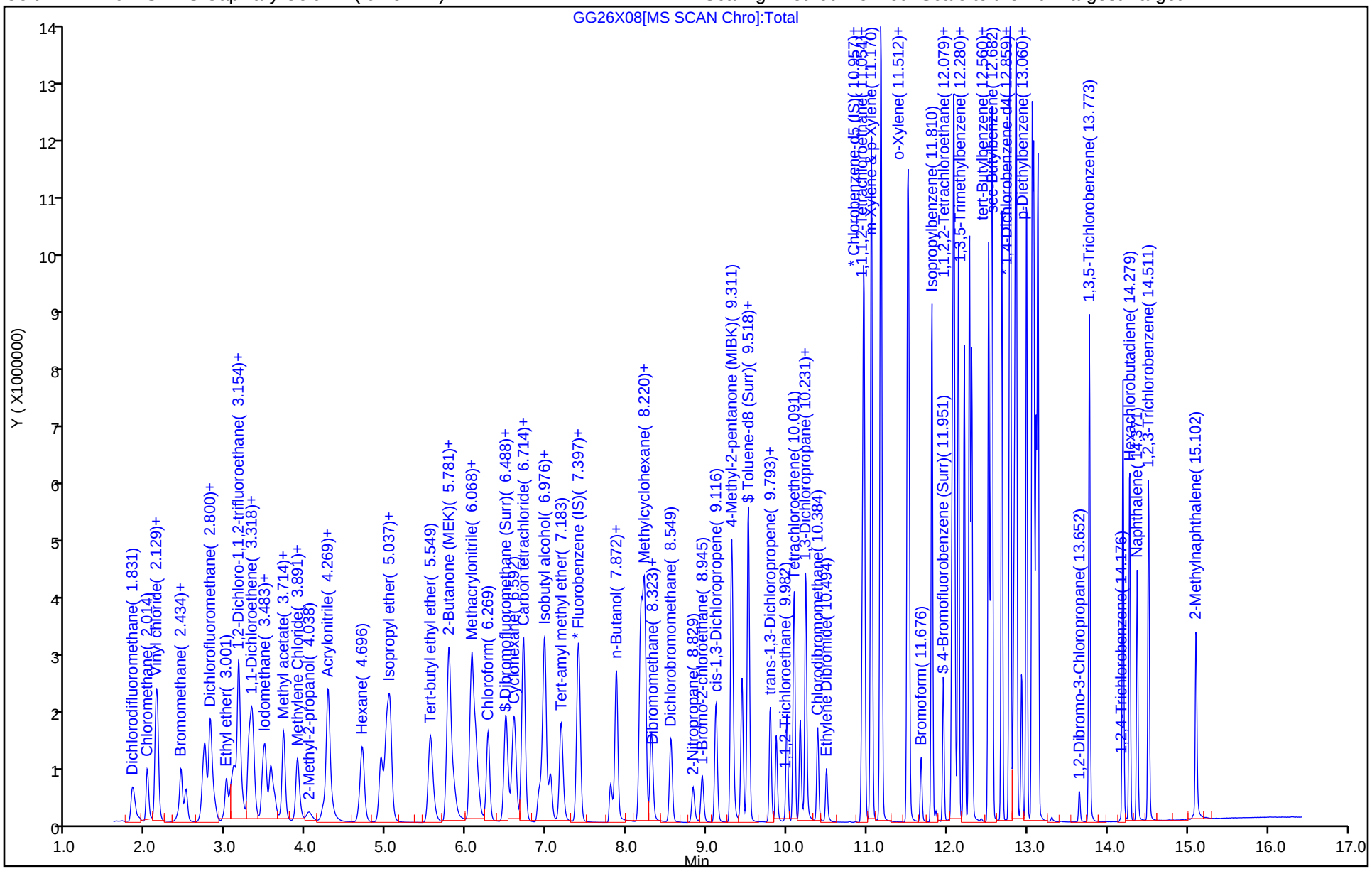
Report Date: 29-Aug-2024 10:39:43 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20240826-123245.b\GG26X08.D

Injection Date:	26-Aug-2024 17:02:30	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



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

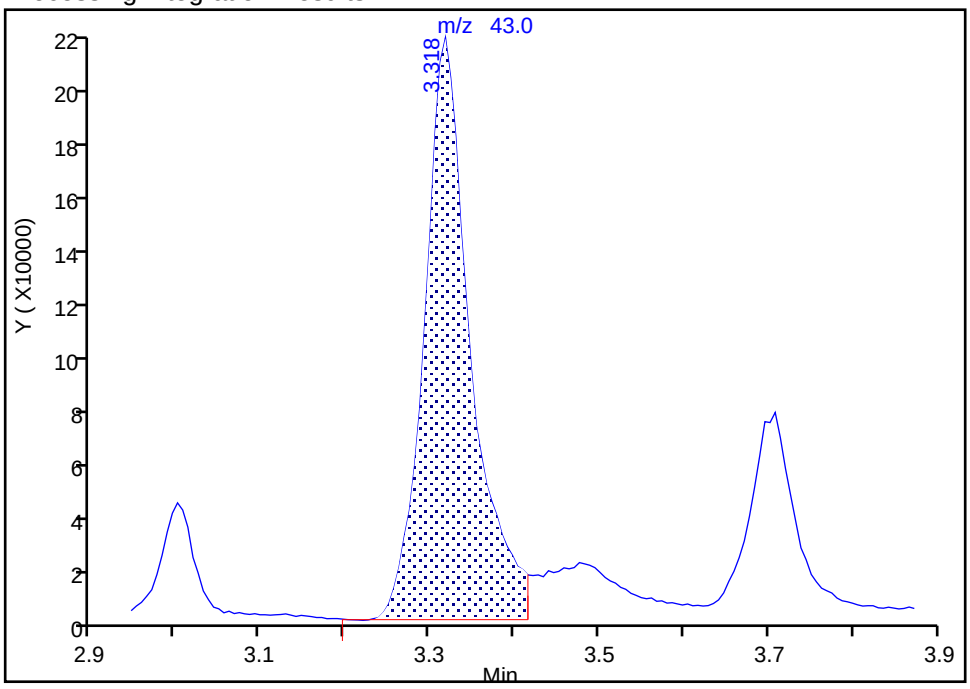
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Injection Date: 26-Aug-2024 17:02:30 Instrument ID: 16334
Lims ID: IC std7
Client ID:
Operator ID: knk41612 ALS Bottle#: 8 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_16334_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

19 Acetone, CAS: 67-64-1

Signal: 1

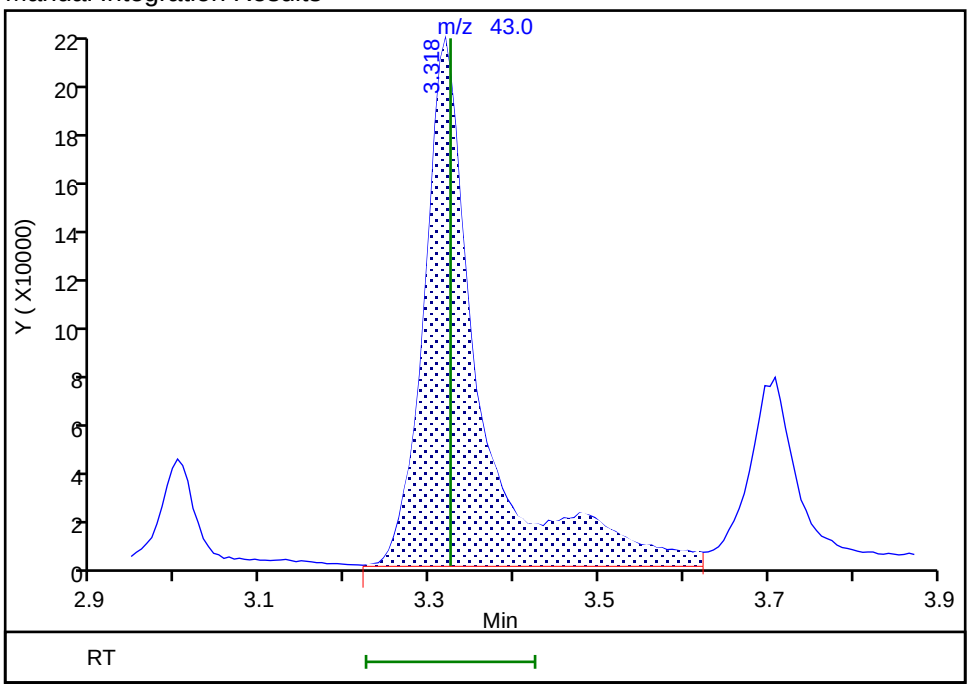
Processing Integration Results

RT: 3.32
Area: 817006
Amount: 187.1992
Amount Units: ug/l



Manual Integration Results

RT: 3.32
Area: 981766
Amount: 219.7800
Amount Units: ug/l



Reviewer: JS6E, 26-Aug-2024 23:41:50 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

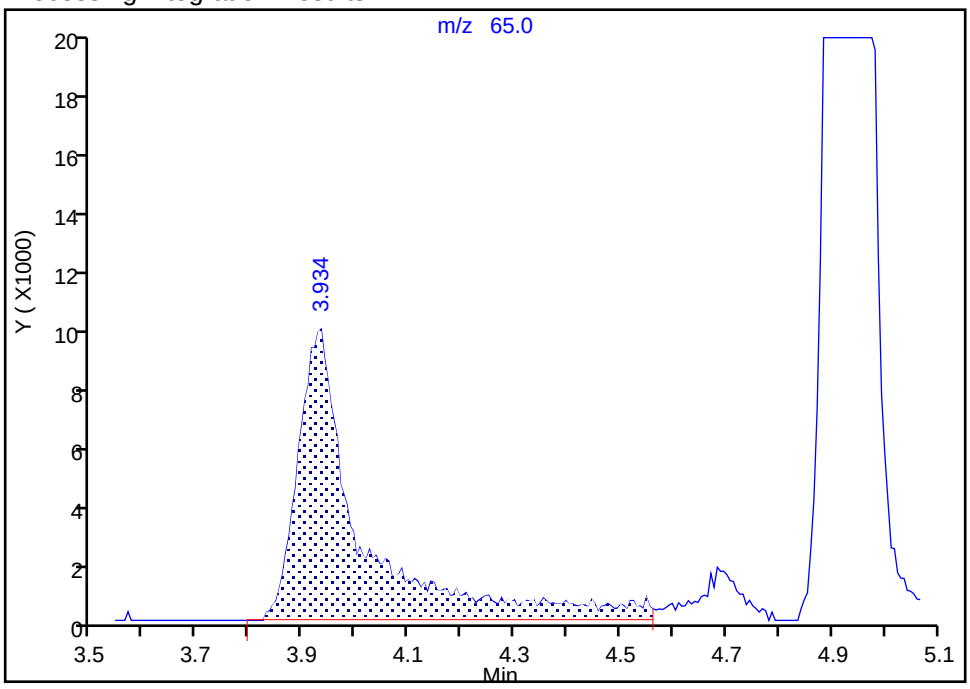
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Injection Date:	26-Aug-2024 17:02:30	Instrument ID:	16334		
Lims ID:	IC std7				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	8	Worklist Smp#:	19
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

* 30 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

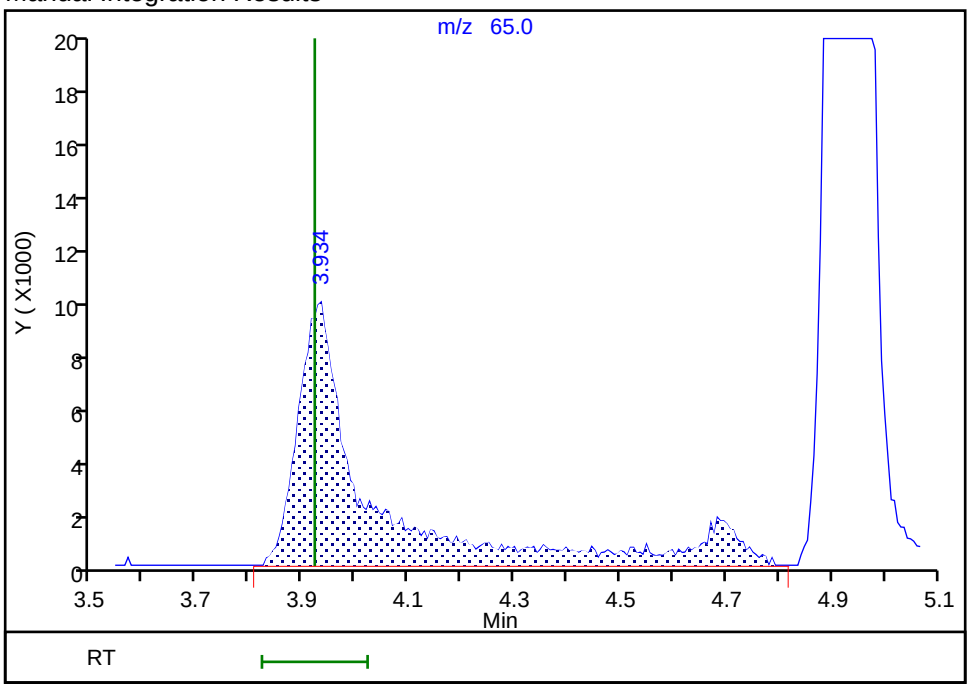
Processing Integration Results

RT: 3.93
Area: 82840
Amount: 50.000000
Amount Units: ug/l



Manual Integration Results

RT: 3.93
Area: 92987
Amount: 50.000000
Amount Units: ug/l



Reviewer: JS6E, 26-Aug-2024 21:51:02 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

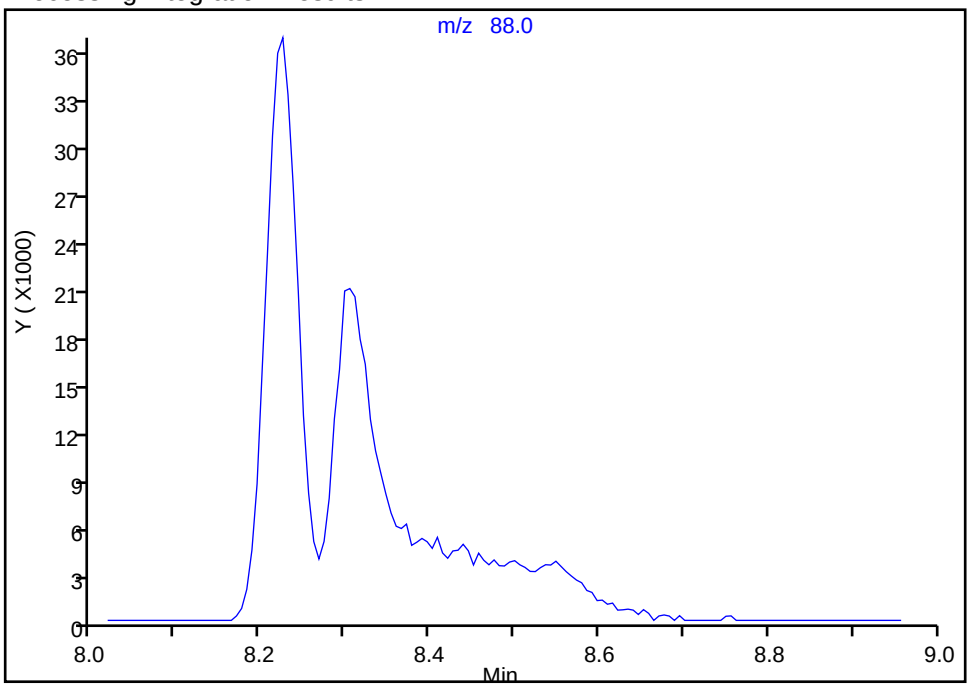
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Injection Date:	26-Aug-2024 17:02:30	Instrument ID:	16334		
Lims ID:	IC std7				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	8	Worklist Smp#:	19
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

73 1,4-Dioxane, CAS: 123-91-1

Signal: 1

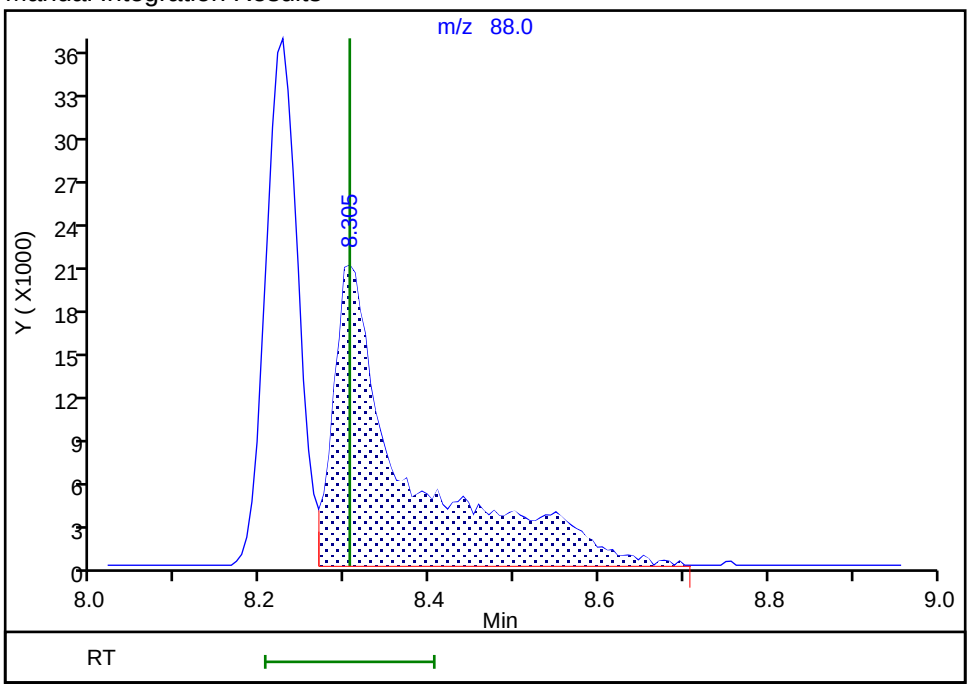
Not Detected
Expected RT: 8.30

Processing Integration Results



Manual Integration Results

RT: 8.31
Area: 126154
Amount: 1244.4878
Amount Units: ug/l



Reviewer: JS6E, 26-Aug-2024 21:52:29 -04:00:00 (UTC)
Audit Action: Assigned New Baseline 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

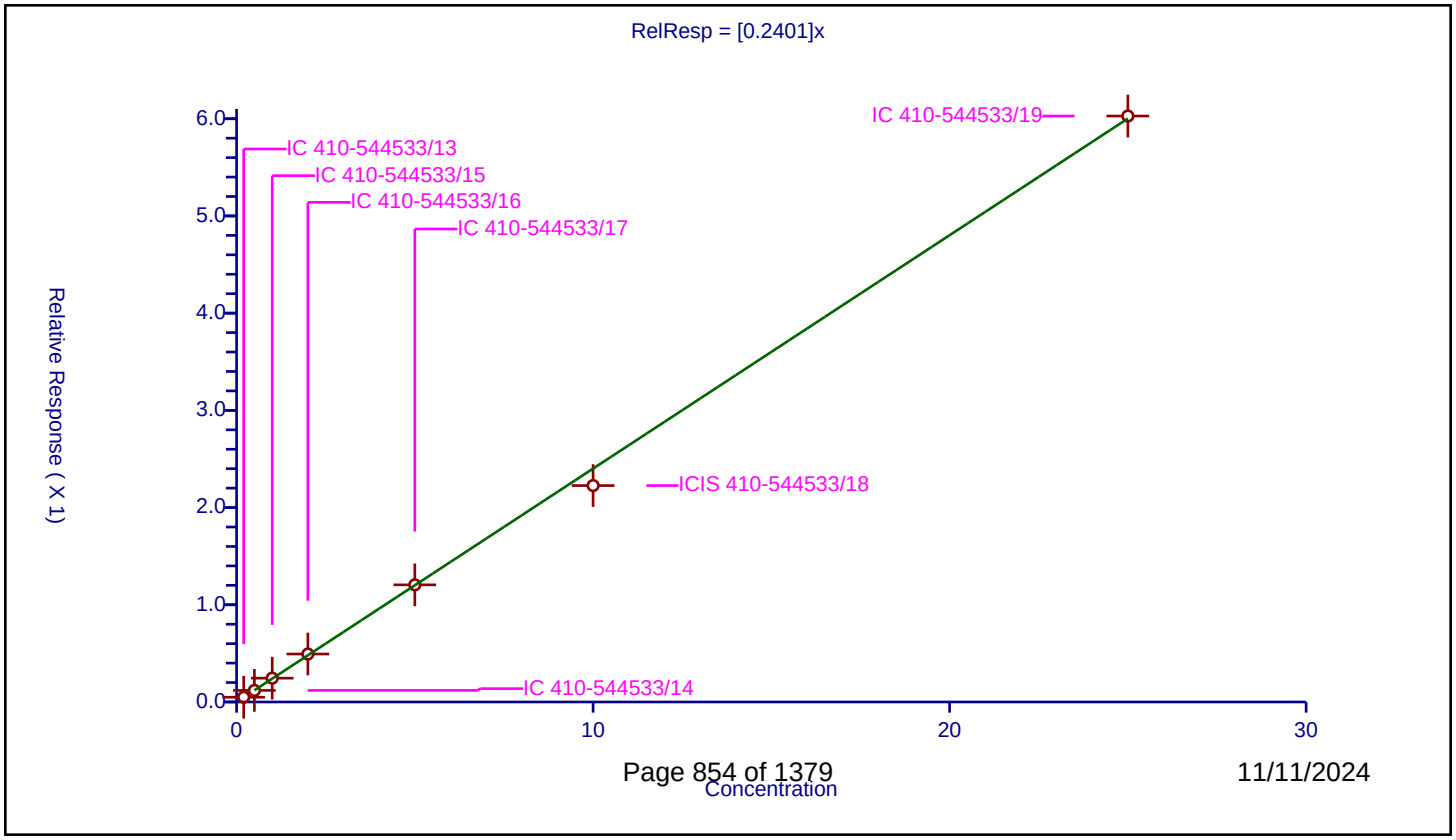
Curve Coefficients

Intercept:	0
Slope:	0.2401

Error Coefficients

Relative Standard Deviation:	3.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	0.2	0.049085	10.0	2188649.0	0.245425	Y
2	IC 410-544533/14	0.5	0.119288	10.0	2144225.0	0.238576	Y
3	IC 410-544533/15	1.0	0.24515	10.0	2145015.0	0.24515	Y
4	IC 410-544533/16	2.0	0.493363	10.0	2188388.0	0.246682	Y
5	IC 410-544533/17	5.0	1.205011	10.0	2145890.0	0.241002	Y
6	ICIS 410-544533/18	10.0	2.226281	10.0	2209380.0	0.222628	Y
7	IC 410-544533/19	25.0	6.027921	10.0	2128835.0	0.241117	Y



Calibration / Chloromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

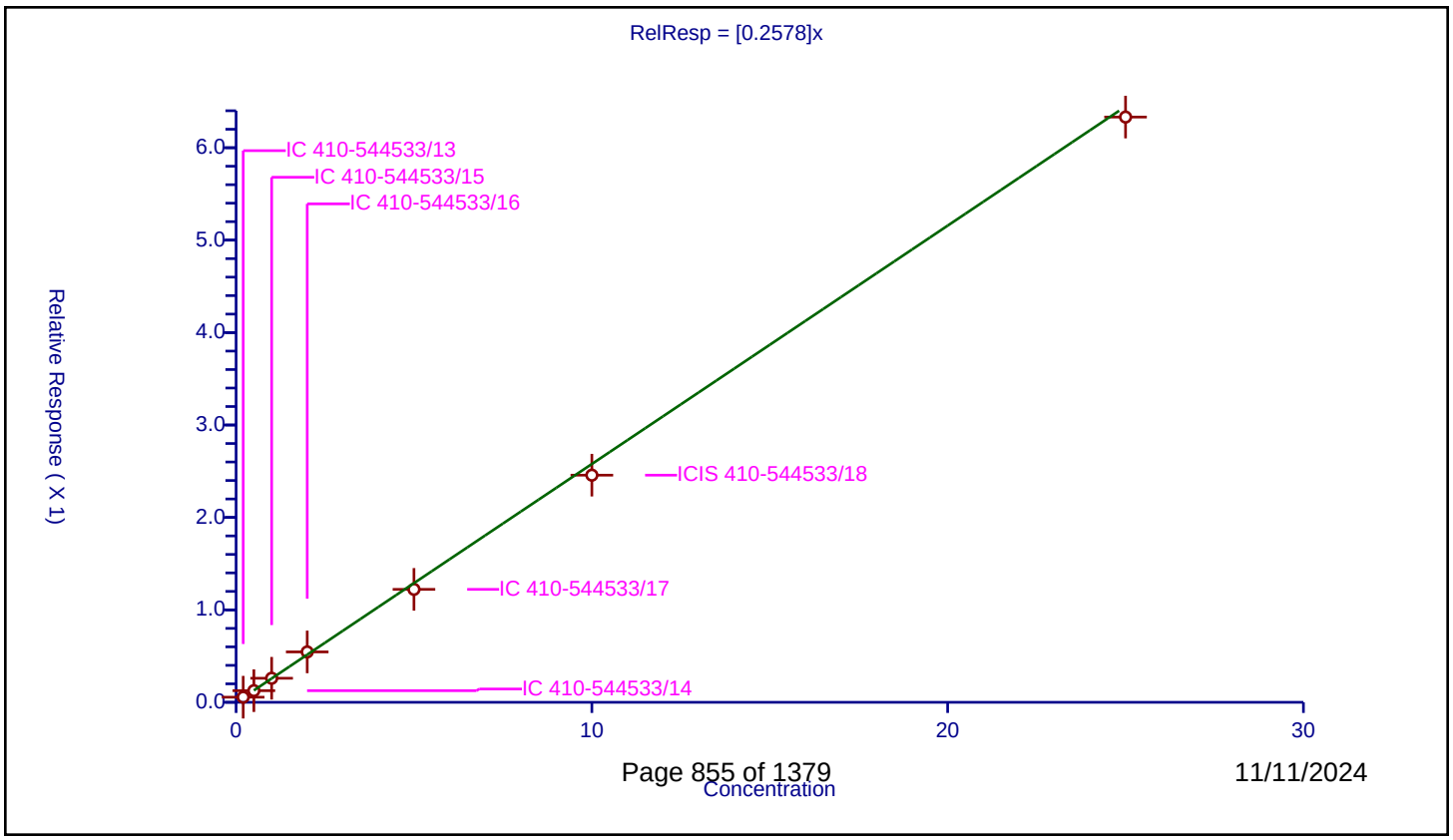
Curve Coefficients

Intercept:	0
Slope:	0.2578

Error Coefficients

Relative Standard Deviation:	4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	0.2	0.055313	10.0	2188649.0	0.276563	Y
2	IC 410-544533/14	0.5	0.125994	10.0	2144225.0	0.251988	Y
3	IC 410-544533/15	1.0	0.260278	10.0	2145015.0	0.260278	Y
4	IC 410-544533/16	2.0	0.545342	10.0	2188388.0	0.272671	Y
5	IC 410-544533/17	5.0	1.221996	10.0	2145890.0	0.244399	Y
6	ICIS 410-544533/18	10.0	2.457622	10.0	2209380.0	0.245762	Y
7	IC 410-544533/19	25.0	6.331646	10.0	2128835.0	0.253266	Y



Calibration / Butadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

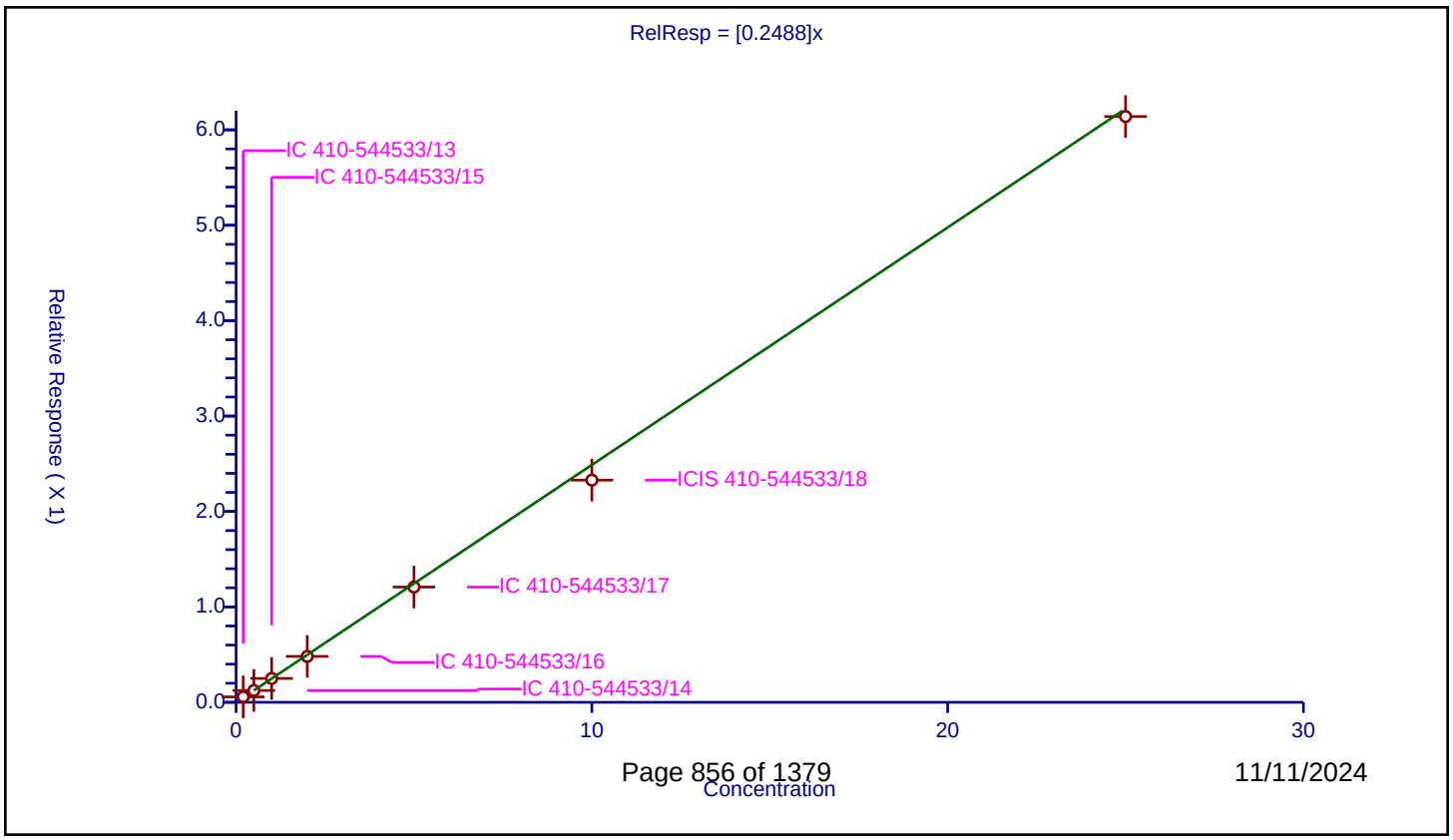
Curve Coefficients

Intercept:	0
Slope:	0.2488

Error Coefficients

Relative Standard Deviation:	6.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	0.2	0.056674	10.0	2188649.0	0.283371	Y
2	IC 410-544533/14	0.5	0.123942	10.0	2144225.0	0.247884	Y
3	IC 410-544533/15	1.0	0.24984	10.0	2145015.0	0.24984	Y
4	IC 410-544533/16	2.0	0.481331	10.0	2188388.0	0.240666	Y
5	IC 410-544533/17	5.0	1.208012	10.0	2145890.0	0.241602	Y
6	ICIS 410-544533/18	10.0	2.32897	10.0	2209380.0	0.232897	Y
7	IC 410-544533/19	25.0	6.139569	10.0	2128835.0	0.245583	Y



Calibration / Vinyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

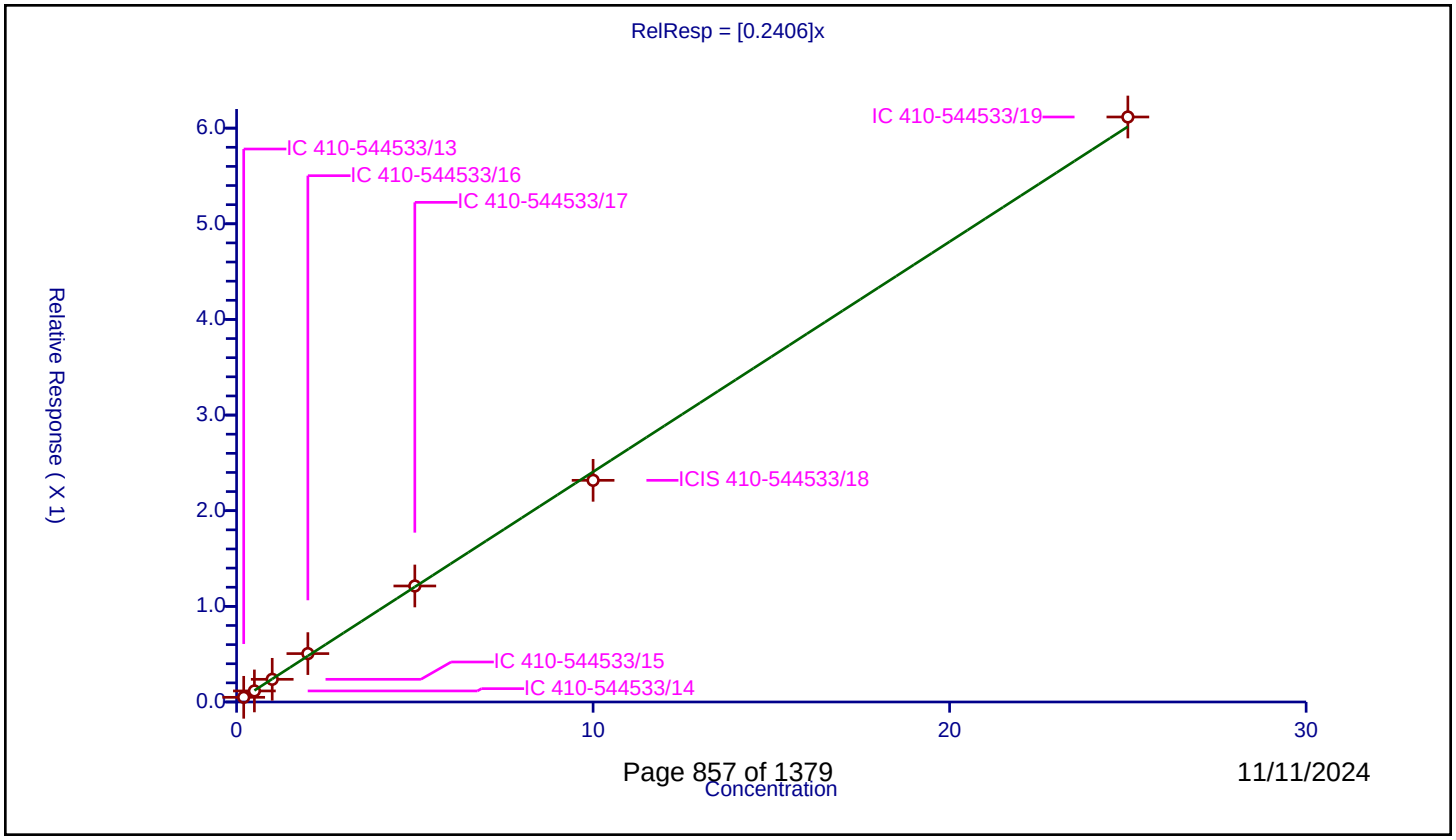
Curve Coefficients

Intercept:	0
Slope:	0.2406

Error Coefficients

Relative Standard Deviation:	3.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	0.2	0.048829	10.0	2188649.0	0.244146	Y
2	IC 410-544533/14	0.5	0.115585	10.0	2144225.0	0.23117	Y
3	IC 410-544533/15	1.0	0.237248	10.0	2145015.0	0.237248	Y
4	IC 410-544533/16	2.0	0.505788	10.0	2188388.0	0.252894	Y
5	IC 410-544533/17	5.0	1.212975	10.0	2145890.0	0.242595	Y
6	ICIS 410-544533/18	10.0	2.317677	10.0	2209380.0	0.231768	Y
7	IC 410-544533/19	25.0	6.116557	10.0	2128835.0	0.244662	Y



Calibration / Bromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

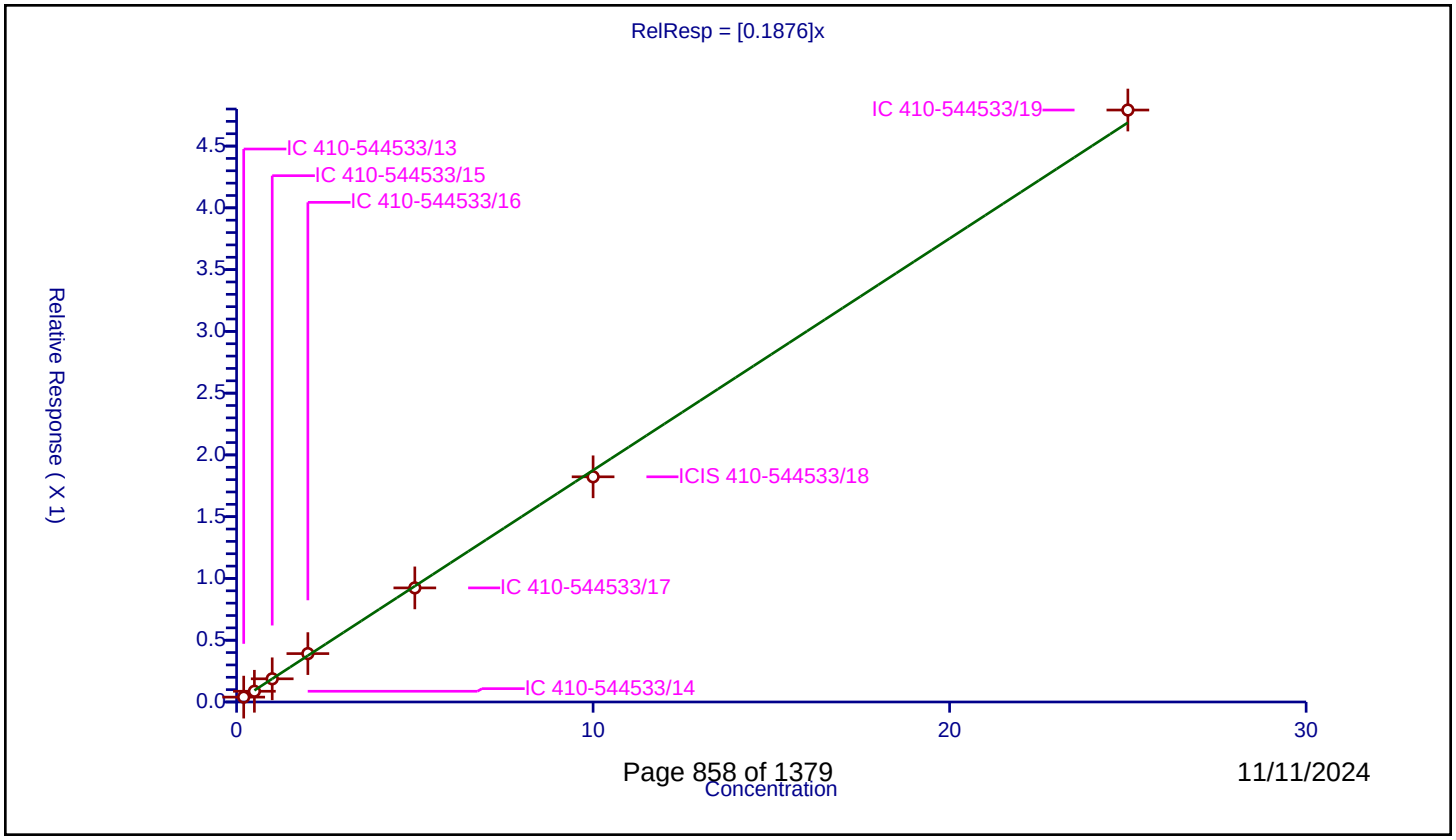
Curve Coefficients

Intercept:	0
Slope:	0.1876

Error Coefficients

Relative Standard Deviation:	4.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	0.2	0.039495	10.0	2188649.0	0.197473	Y
2	IC 410-544533/14	0.5	0.086787	10.0	2144225.0	0.173573	Y
3	IC 410-544533/15	1.0	0.187607	10.0	2145015.0	0.187607	Y
4	IC 410-544533/16	2.0	0.391759	10.0	2188388.0	0.195879	Y
5	IC 410-544533/17	5.0	0.923668	10.0	2145890.0	0.184734	Y
6	ICIS 410-544533/18	10.0	1.82276	10.0	2209380.0	0.182276	Y
7	IC 410-544533/19	25.0	4.791752	10.0	2128835.0	0.19167	Y



Calibration / Chloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

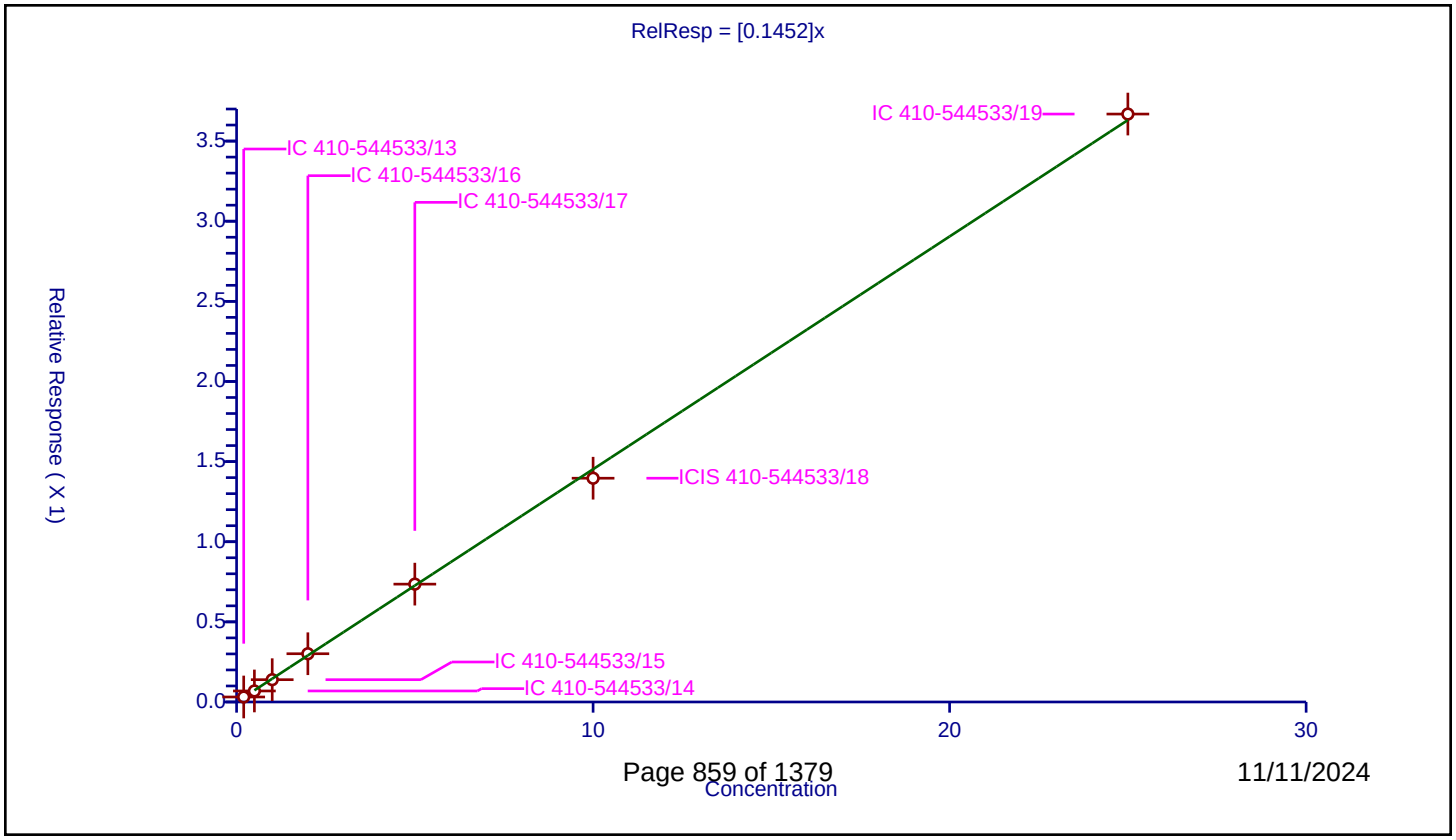
Curve Coefficients

Intercept:	0
Slope:	0.1452

Error Coefficients

Relative Standard Deviation:	4.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	0.2	0.03117	10.0	2188649.0	0.15585	Y
2	IC 410-544533/14	0.5	0.068808	10.0	2144225.0	0.137616	Y
3	IC 410-544533/15	1.0	0.139192	10.0	2145015.0	0.139192	Y
4	IC 410-544533/16	2.0	0.301121	10.0	2188388.0	0.150561	Y
5	IC 410-544533/17	5.0	0.735429	10.0	2145890.0	0.147086	Y
6	ICIS 410-544533/18	10.0	1.396292	10.0	2209380.0	0.139629	Y
7	IC 410-544533/19	25.0	3.668546	10.0	2128835.0	0.146742	Y



Calibration / Dichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

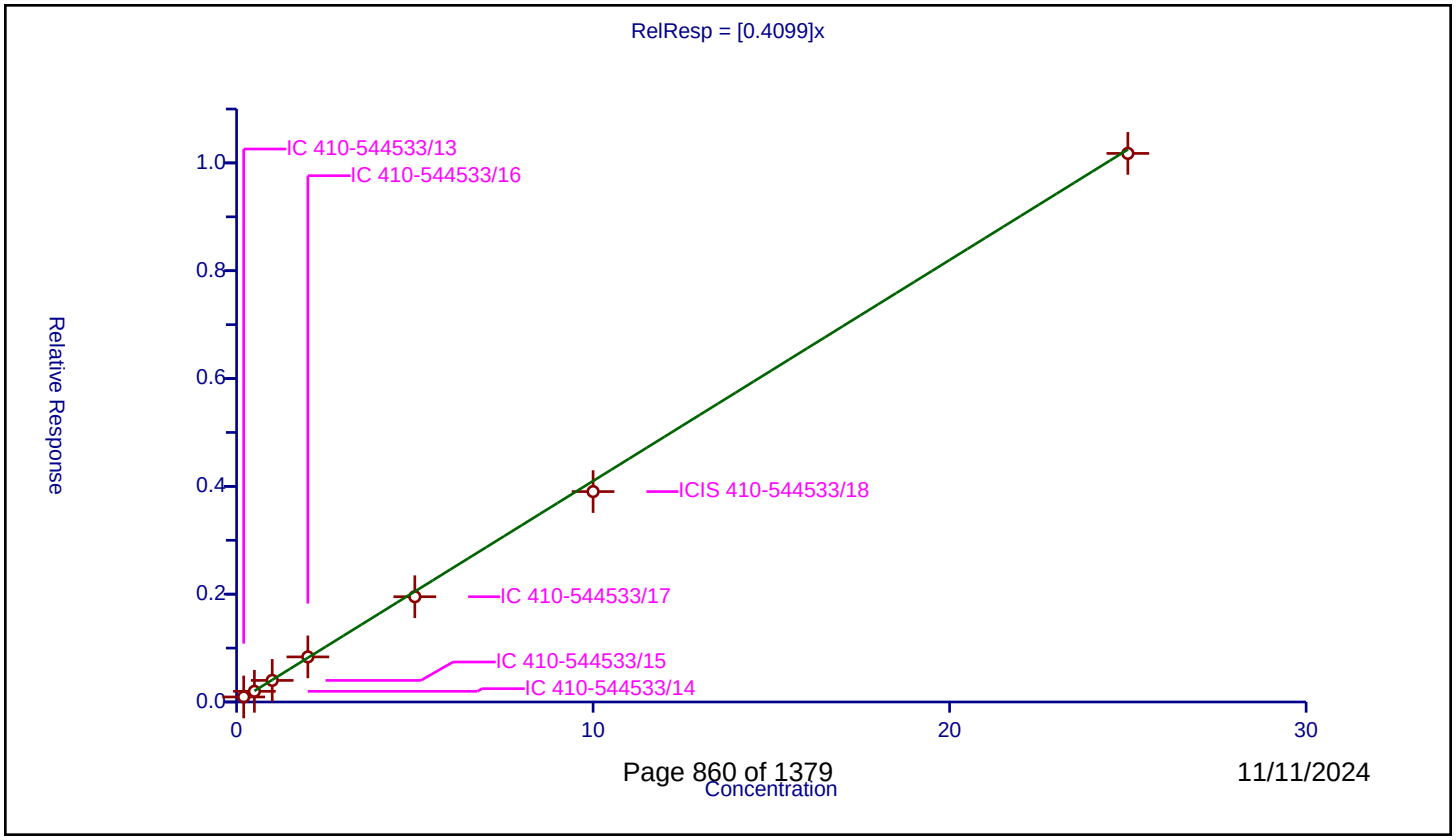
Curve Coefficients

Intercept:	0
Slope:	0.4099

Error Coefficients

Relative Standard Deviation:	6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	0.2	0.093423	10.0	2188649.0	0.467115	Y
2	IC 410-544533/14	0.5	0.198025	10.0	2144225.0	0.39605	Y
3	IC 410-544533/15	1.0	0.400445	10.0	2145015.0	0.400445	Y
4	IC 410-544533/16	2.0	0.836159	10.0	2188388.0	0.418079	Y
5	IC 410-544533/17	5.0	1.952793	10.0	2145890.0	0.390559	Y
6	ICIS 410-544533/18	10.0	3.903308	10.0	2209380.0	0.390331	Y
7	IC 410-544533/19	25.0	10.176533	10.0	2128835.0	0.407061	Y



Calibration / Trichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

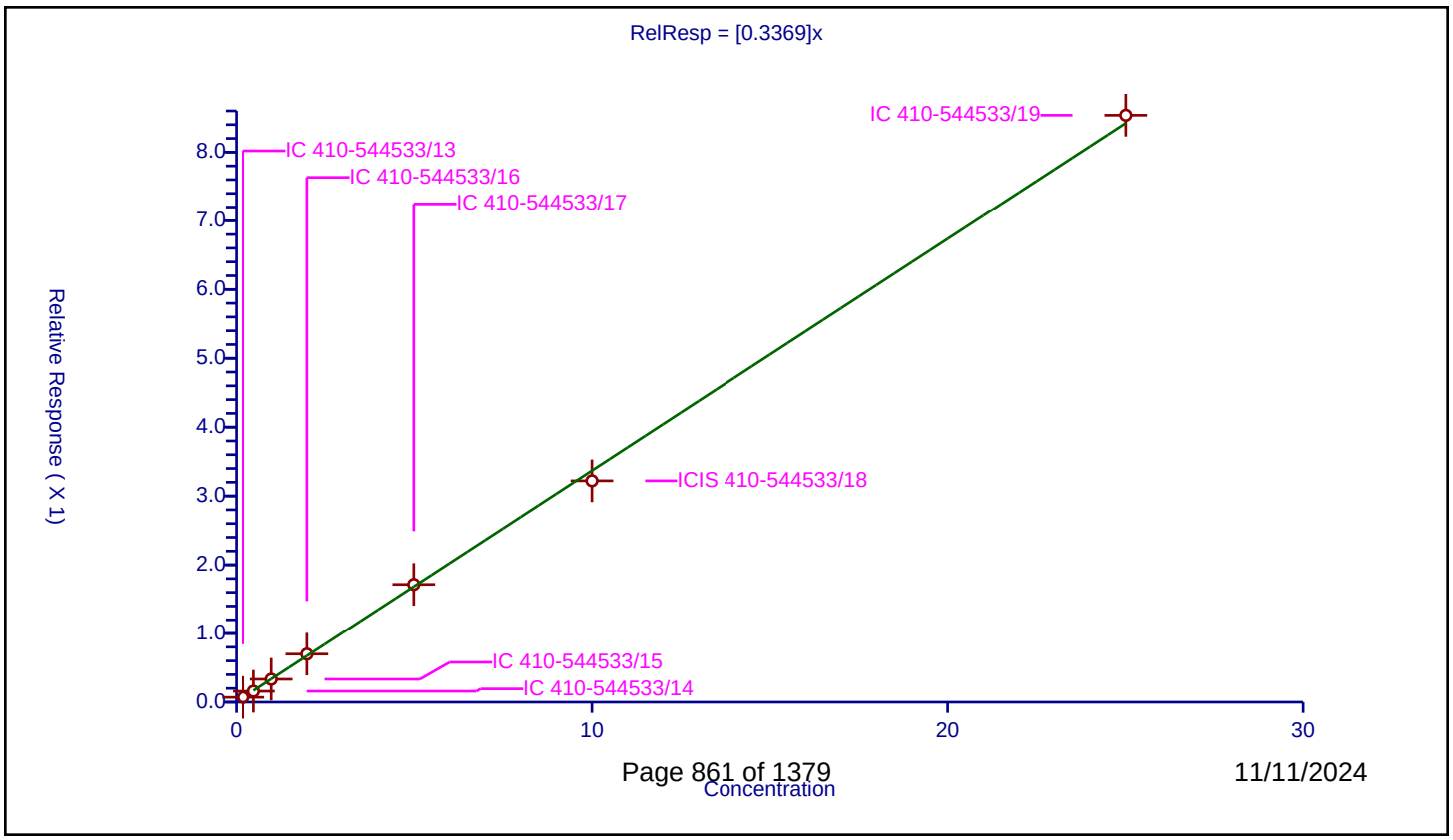
Curve Coefficients

Intercept:	0
Slope:	0.3369

Error Coefficients

Relative Standard Deviation:	3.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	0.2	0.070061	10.0	2188649.0	0.350307	Y
2	IC 410-544533/14	0.5	0.158948	10.0	2144225.0	0.317896	Y
3	IC 410-544533/15	1.0	0.333448	10.0	2145015.0	0.333448	Y
4	IC 410-544533/16	2.0	0.699757	10.0	2188388.0	0.349879	Y
5	IC 410-544533/17	5.0	1.715135	10.0	2145890.0	0.343027	Y
6	ICIS 410-544533/18	10.0	3.220985	10.0	2209380.0	0.322099	Y
7	IC 410-544533/19	25.0	8.536956	10.0	2128835.0	0.341478	Y



Calibration / Ethyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

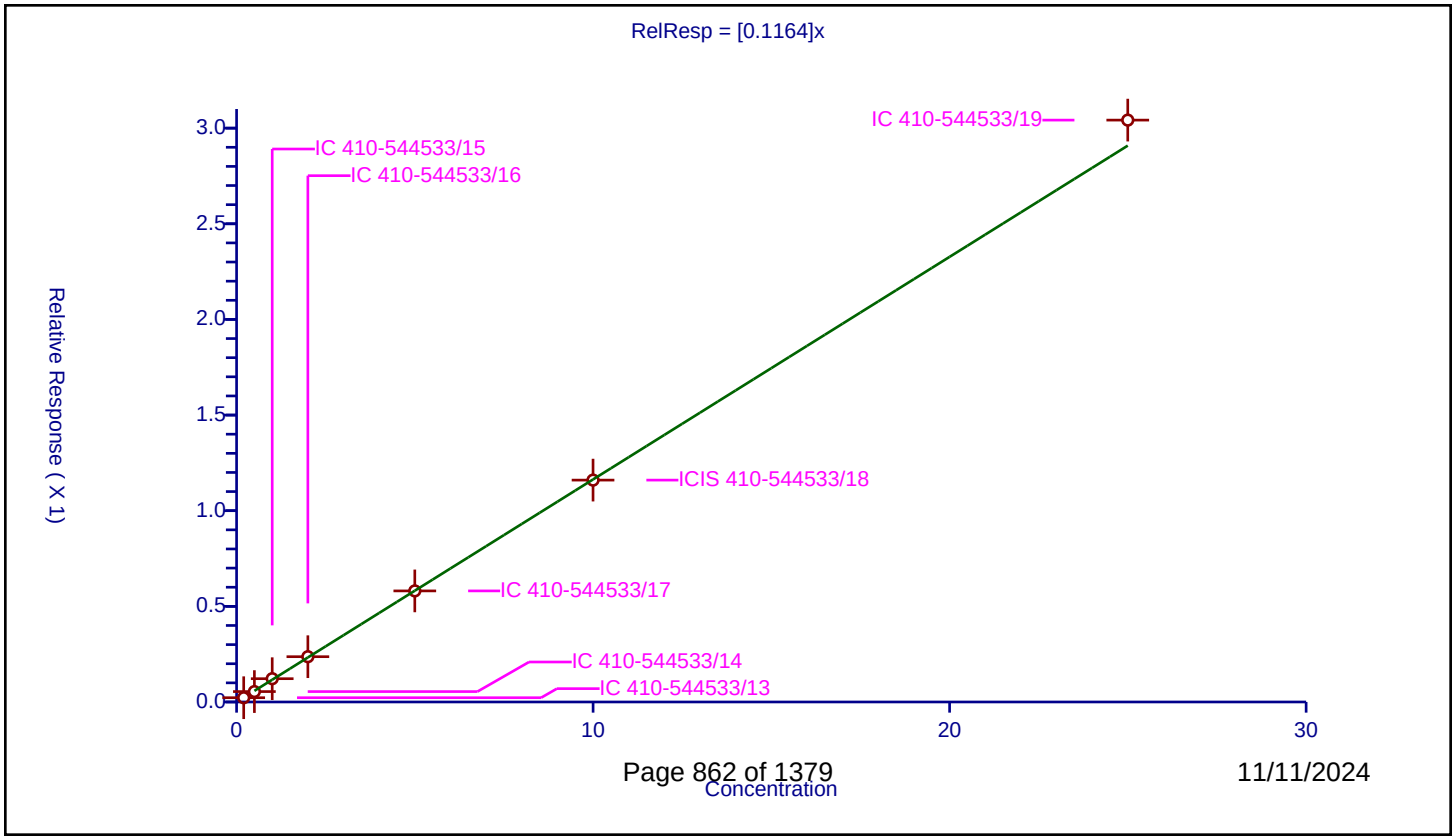
Curve Coefficients

Intercept:	0
Slope:	0.1164

Error Coefficients

Relative Standard Deviation:	4.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	0.199979	0.022315	10.0	2188649.0	0.111587	Y
2	IC 410-544533/14	0.499948	0.054411	10.0	2144225.0	0.108834	Y
3	IC 410-544533/15	0.999897	0.121799	10.0	2145015.0	0.121811	Y
4	IC 410-544533/16	1.999794	0.23674	10.0	2188388.0	0.118382	Y
5	IC 410-544533/17	4.999484	0.580747	10.0	2145890.0	0.116161	Y
6	ICIS 410-544533/18	9.998968	1.159945	10.0	2209380.0	0.116007	Y
7	IC 410-544533/19	24.99742	3.042011	10.0	2128835.0	0.121693	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

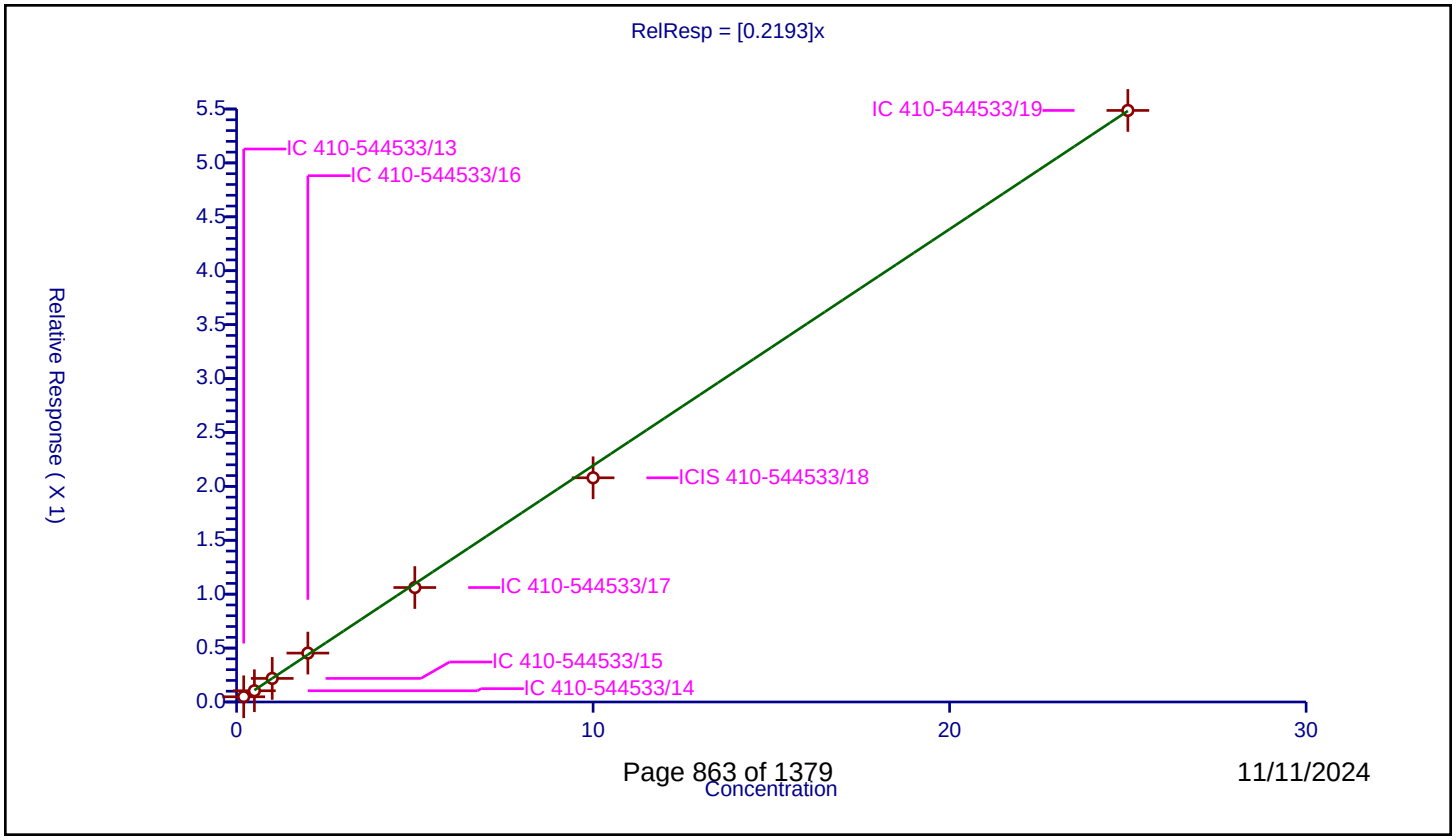
Curve Coefficients

Intercept:	0
Slope:	0.2193

Error Coefficients

Relative Standard Deviation:	5.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	0.2	0.048285	10.0	2188649.0	0.241427	Y
2	IC 410-544533/14	0.5	0.104187	10.0	2144225.0	0.208374	Y
3	IC 410-544533/15	1.0	0.218716	10.0	2145015.0	0.218716	Y
4	IC 410-544533/16	2.0	0.45353	10.0	2188388.0	0.226765	Y
5	IC 410-544533/17	5.0	1.06162	10.0	2145890.0	0.212324	Y
6	ICIS 410-544533/18	10.0	2.07952	10.0	2209380.0	0.207952	Y
7	IC 410-544533/19	25.0	5.48679	10.0	2128835.0	0.219472	Y



Calibration / Acrolein

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

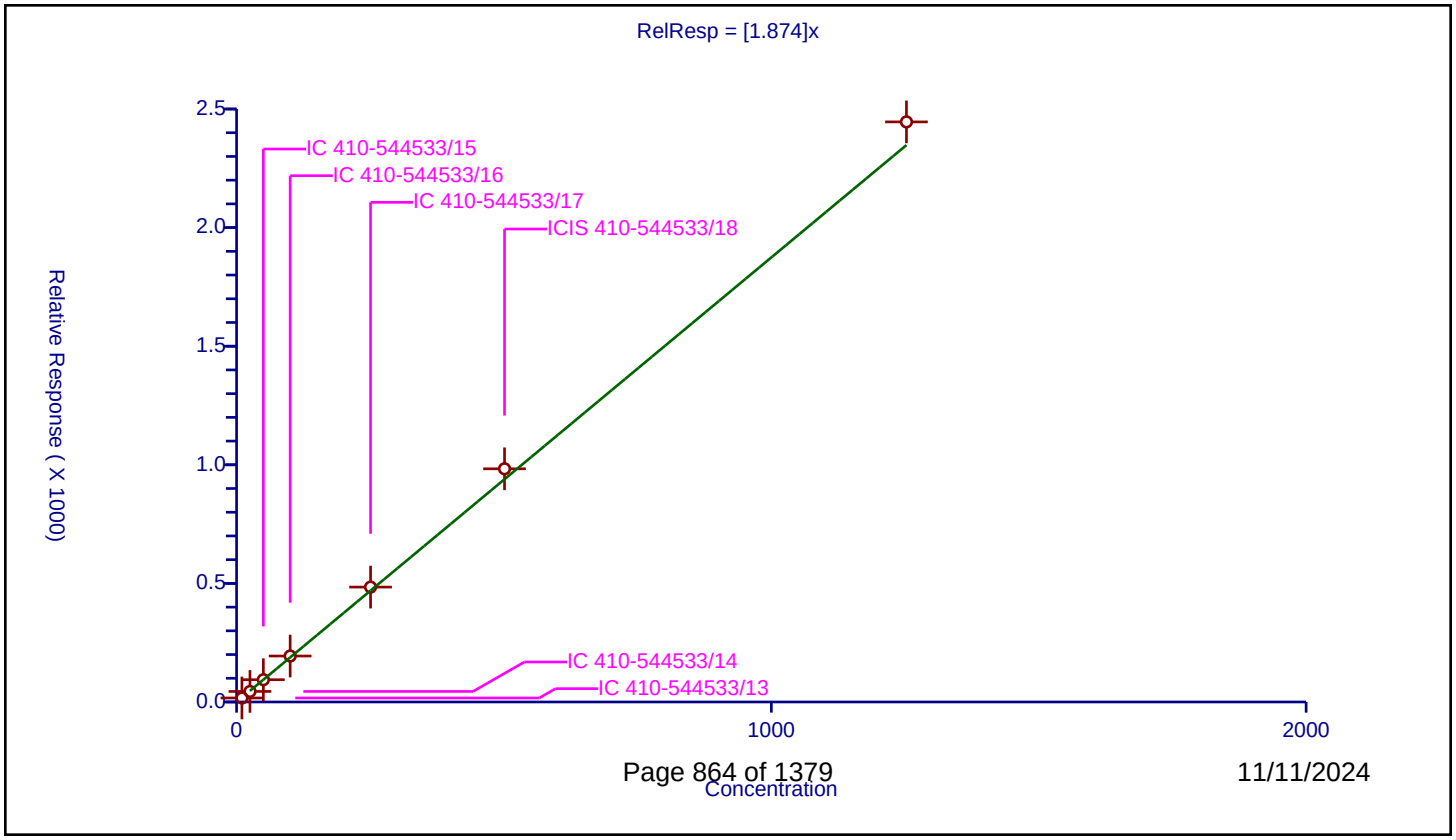
Curve Coefficients

Intercept:	0
Slope:	1.874

Error Coefficients

Relative Standard Deviation:	5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	10.021319	16.923758	50.0	84665.0	1.688776	Y
2	IC 410-544533/14	25.053297	44.458882	50.0	81193.0	1.774572	Y
3	IC 410-544533/15	50.106594	93.932387	50.0	80872.0	1.874651	Y
4	IC 410-544533/16	100.213188	193.818472	50.0	82059.0	1.934062	Y
5	IC 410-544533/17	250.532969	484.401284	50.0	83821.0	1.933483	Y
6	ICIS 410-544533/18	501.065938	983.164223	50.0	86334.0	1.962145	Y
7	IC 410-544533/19	1252.664845	2445.705314	50.0	92987.0	1.952402	Y



Calibration / 1,1-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

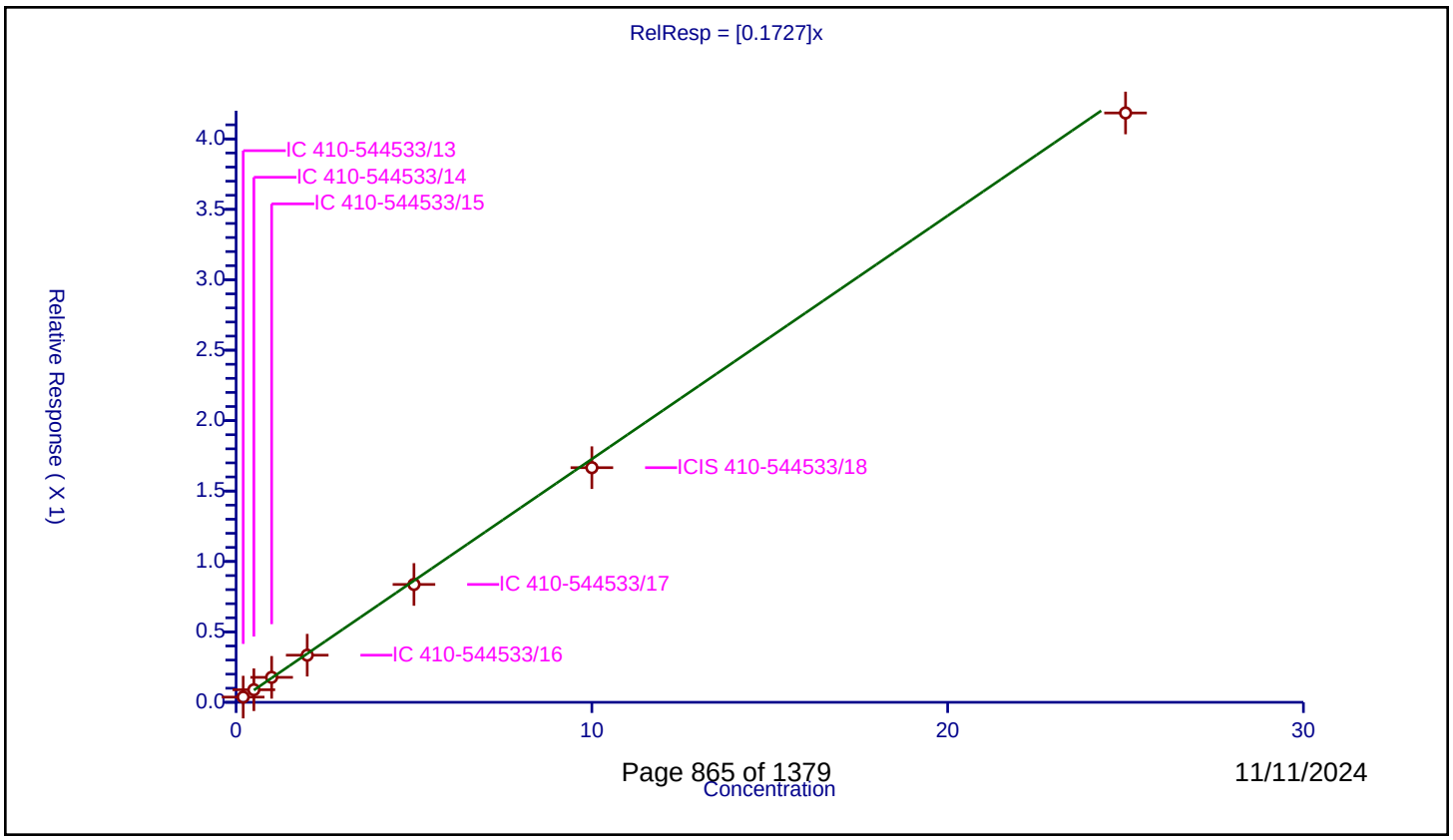
Curve Coefficients

Intercept:	0
Slope:	0.1727

Error Coefficients

Relative Standard Deviation:	4.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	0.2	0.036922	10.0	2188649.0	0.184612	Y
2	IC 410-544533/14	0.5	0.089221	10.0	2144225.0	0.178442	Y
3	IC 410-544533/15	1.0	0.177327	10.0	2145015.0	0.177327	Y
4	IC 410-544533/16	2.0	0.334657	10.0	2188388.0	0.167329	Y
5	IC 410-544533/17	5.0	0.836823	10.0	2145890.0	0.167365	Y
6	ICIS 410-544533/18	10.0	1.666042	10.0	2209380.0	0.166604	Y
7	IC 410-544533/19	25.0	4.184317	10.0	2128835.0	0.167373	Y



Calibration / Acetone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

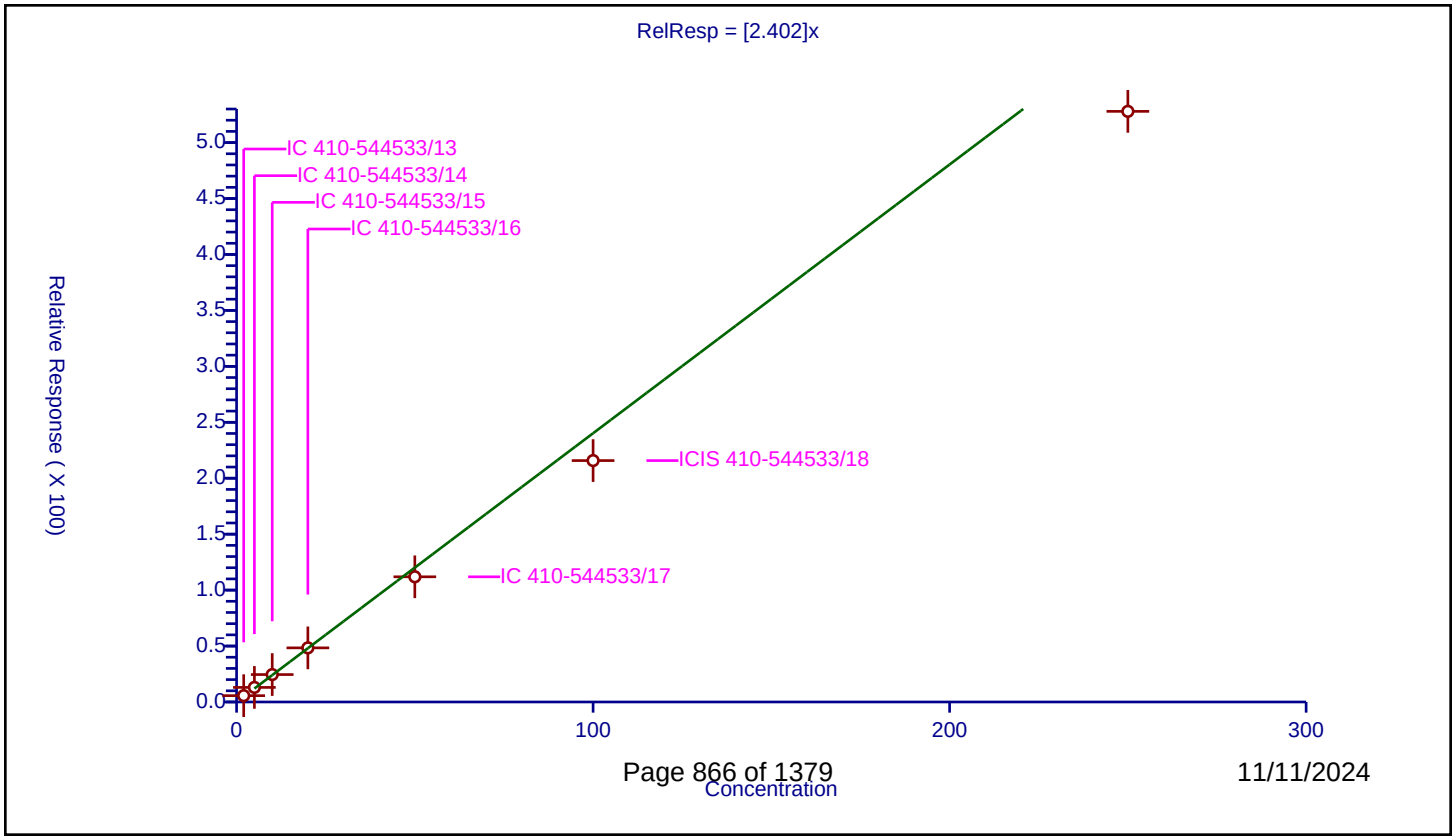
Curve Coefficients

Intercept:	0
Slope:	2.402

Error Coefficients

Relative Standard Deviation:	10.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	2.0	5.659954	50.0	84665.0	2.829977	Y
2	IC 410-544533/14	5.0	13.032527	50.0	81193.0	2.606505	Y
3	IC 410-544533/15	10.0	24.514047	50.0	80872.0	2.451405	Y
4	IC 410-544533/16	20.0	48.37495	50.0	82059.0	2.418747	Y
5	IC 410-544533/17	50.0	111.889622	50.0	83821.0	2.237792	Y
6	ICIS 410-544533/18	100.0	215.774203	50.0	86334.0	2.157742	Y
7	IC 410-544533/19	250.0	527.904976	50.0	92987.0	2.11162	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

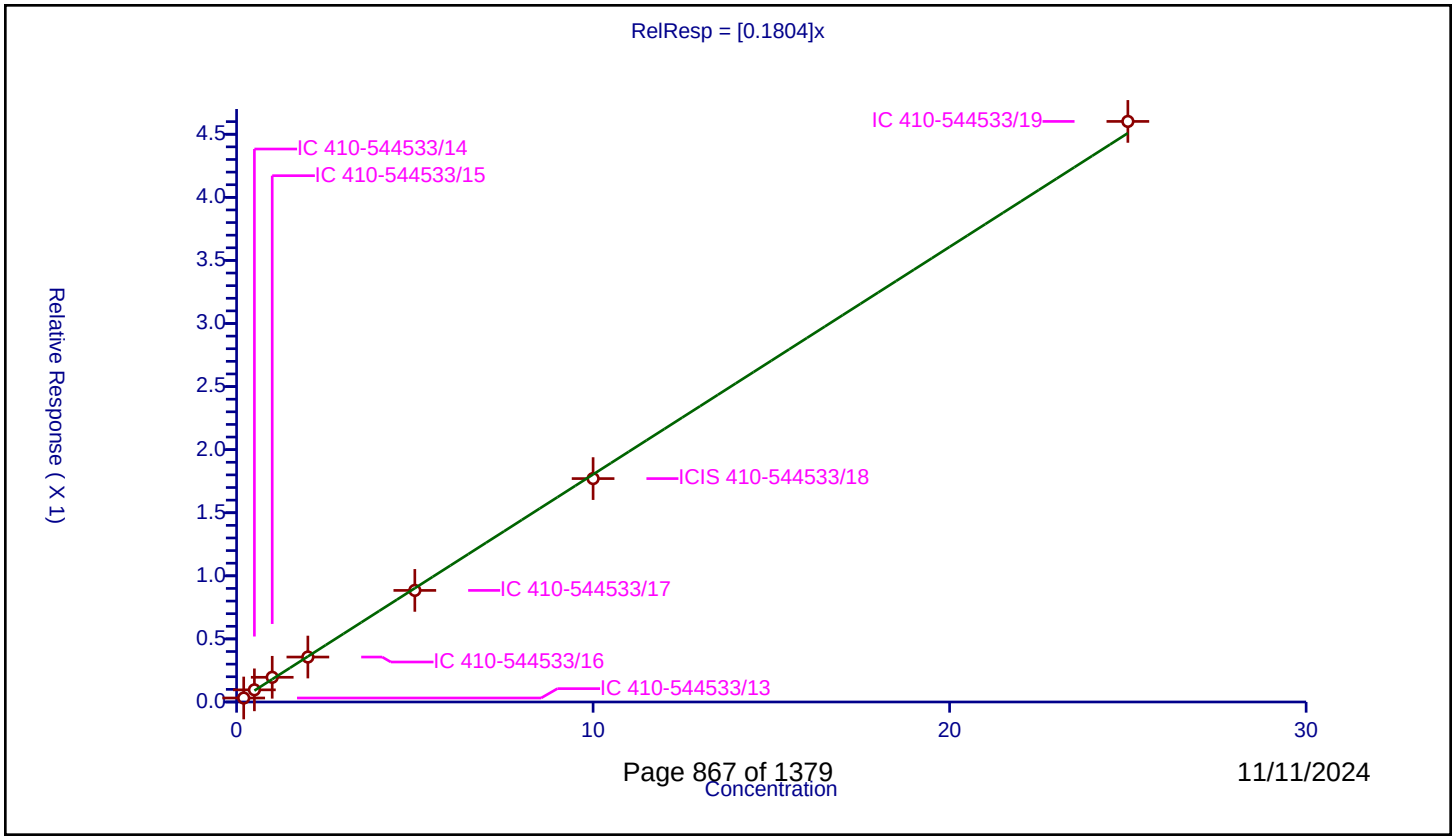
Curve Coefficients

Intercept:	0
Slope:	0.1804

Error Coefficients

Relative Standard Deviation:	6.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	0.2	0.03159	10.0	2188649.0	0.157951	Y
2	IC 410-544533/14	0.5	0.096319	10.0	2144225.0	0.192638	Y
3	IC 410-544533/15	1.0	0.195798	10.0	2145015.0	0.195798	Y
4	IC 410-544533/16	2.0	0.356171	10.0	2188388.0	0.178085	Y
5	IC 410-544533/17	5.0	0.884519	10.0	2145890.0	0.176904	Y
6	ICIS 410-544533/18	10.0	1.770637	10.0	2209380.0	0.177064	Y
7	IC 410-544533/19	25.0	4.60162	10.0	2128835.0	0.184065	Y



Calibration / Iodomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

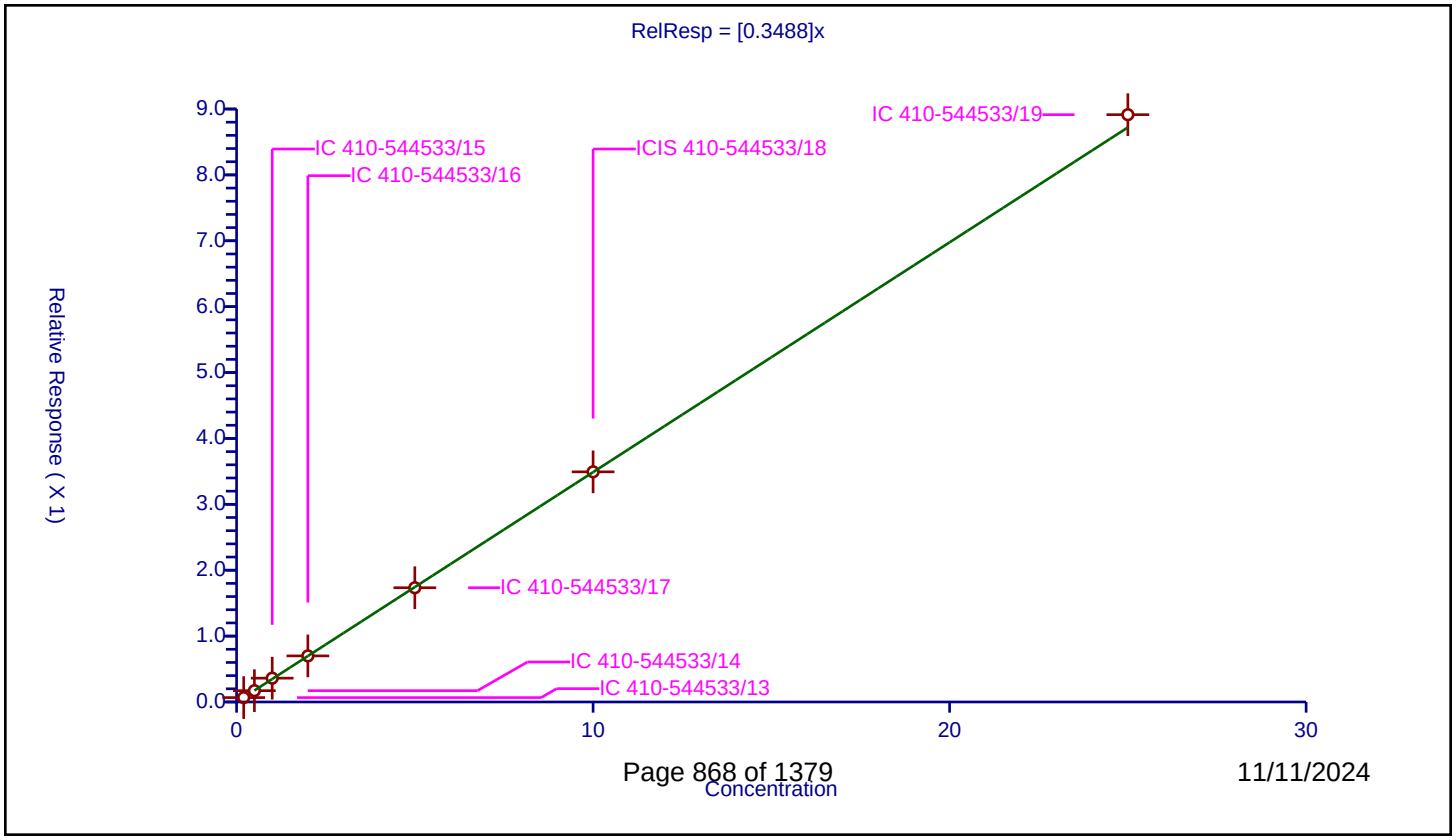
Curve Coefficients

Intercept:	0
Slope:	0.3488

Error Coefficients

Relative Standard Deviation:	2.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	0.2	0.066776	10.0	2188649.0	0.333882	Y
2	IC 410-544533/14	0.5	0.17189	10.0	2144225.0	0.343779	Y
3	IC 410-544533/15	1.0	0.361666	10.0	2145015.0	0.361666	Y
4	IC 410-544533/16	2.0	0.699519	10.0	2188388.0	0.34976	Y
5	IC 410-544533/17	5.0	1.733938	10.0	2145890.0	0.346788	Y
6	ICIS 410-544533/18	10.0	3.49317	10.0	2209380.0	0.349317	Y
7	IC 410-544533/19	25.0	8.914115	10.0	2128835.0	0.356565	Y



Calibration / Ethyl bromide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

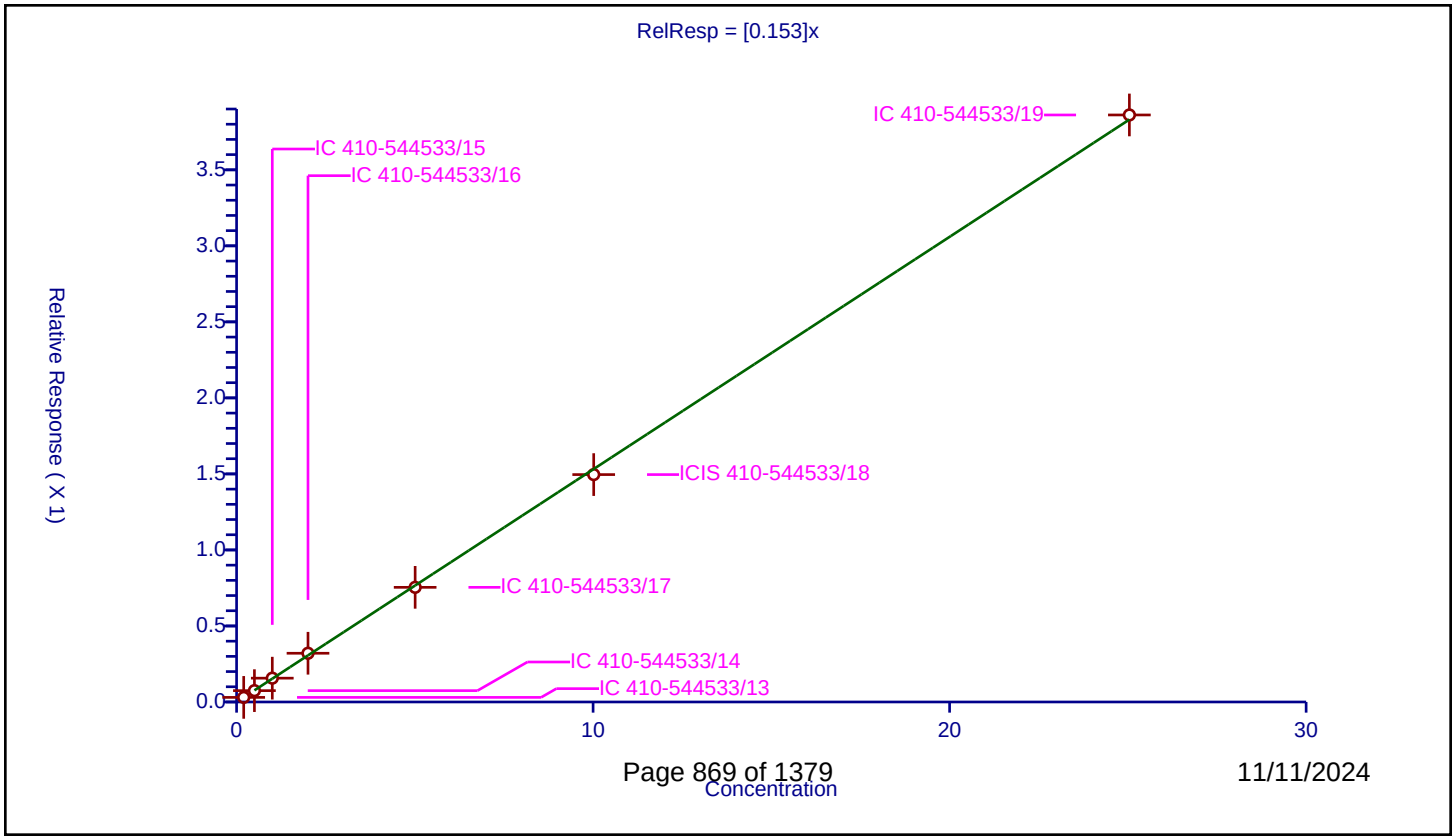
Curve Coefficients

Intercept:	0
Slope:	0.153

Error Coefficients

Relative Standard Deviation:	2.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	0.20034	0.030261	10.0	2188649.0	0.151047	Y
2	IC 410-544533/14	0.50085	0.074694	10.0	2144225.0	0.149134	Y
3	IC 410-544533/15	1.0017	0.156791	10.0	2145015.0	0.156525	Y
4	IC 410-544533/16	2.0034	0.320551	10.0	2188388.0	0.160004	Y
5	IC 410-544533/17	5.0085	0.754055	10.0	2145890.0	0.150555	Y
6	ICIS 410-544533/18	10.017	1.495696	10.0	2209380.0	0.149316	Y
7	IC 410-544533/19	25.0425	3.860915	10.0	2128835.0	0.154174	Y



Calibration / Carbon disulfide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

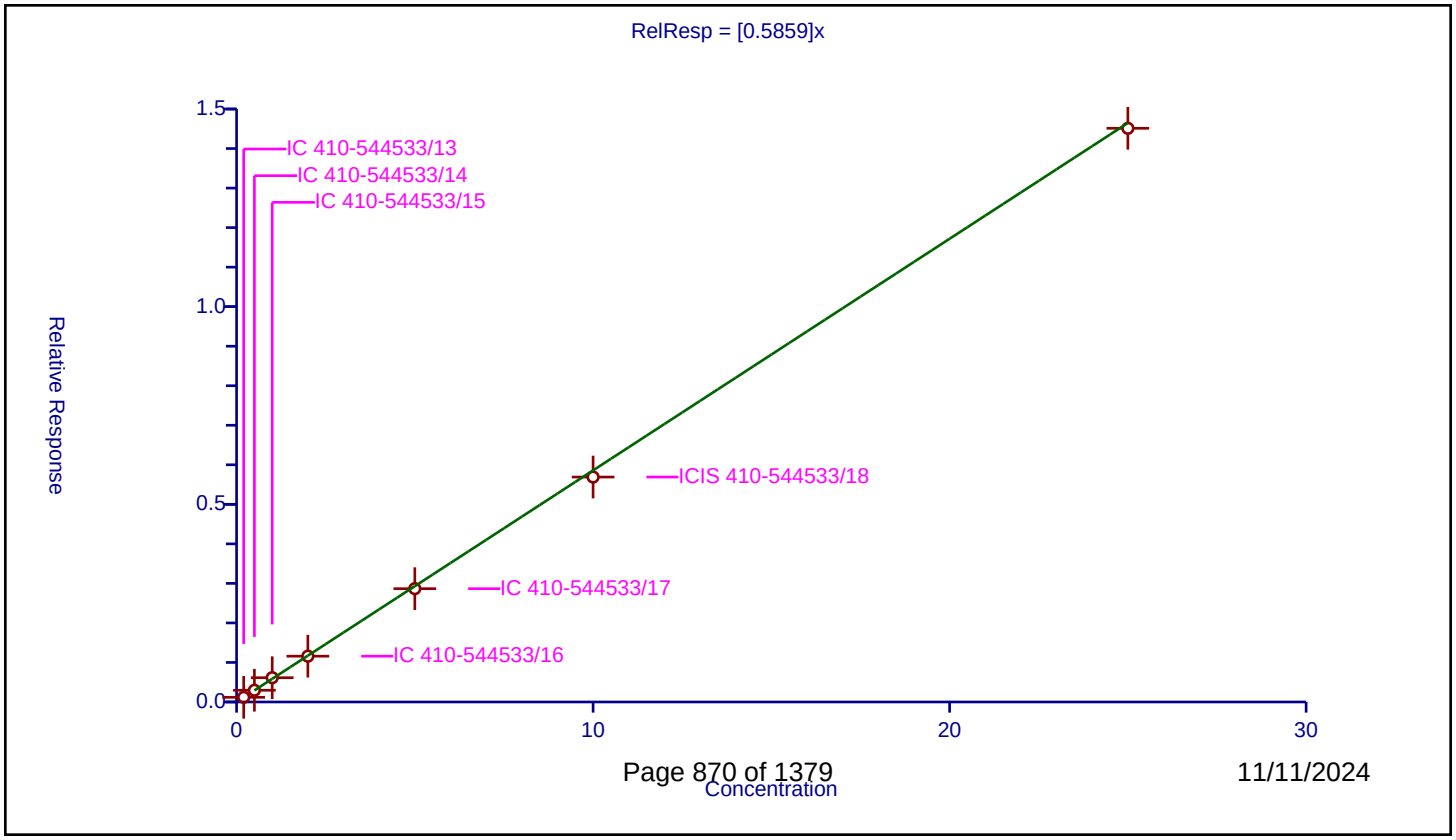
Curve Coefficients

Intercept:	0
Slope:	0.5859

Error Coefficients

Relative Standard Deviation:	2.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	0.2	0.118416	10.0	2188649.0	0.592078	Y
2	IC 410-544533/14	0.5	0.296224	10.0	2144225.0	0.592447	Y
3	IC 410-544533/15	1.0	0.614317	10.0	2145015.0	0.614317	Y
4	IC 410-544533/16	2.0	1.158844	10.0	2188388.0	0.579422	Y
5	IC 410-544533/17	5.0	2.866787	10.0	2145890.0	0.573357	Y
6	ICIS 410-544533/18	10.0	5.690397	10.0	2209380.0	0.56904	Y
7	IC 410-544533/19	25.0	14.512318	10.0	2128835.0	0.580493	Y



Calibration / Methyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

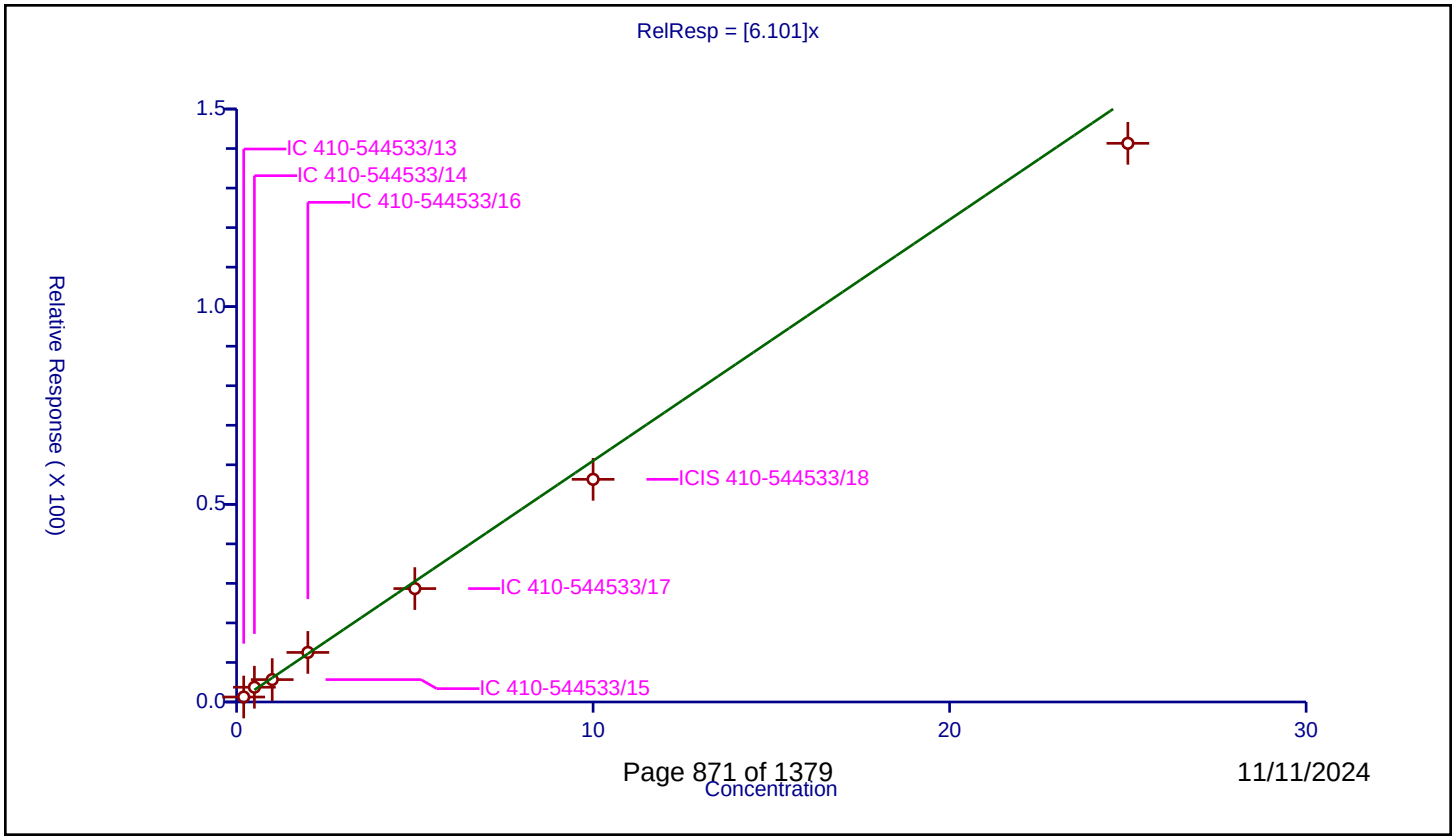
Curve Coefficients

Intercept:	0
Slope:	6.101

Error Coefficients

Relative Standard Deviation:	10.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	0.2	1.257308	50.0	84665.0	6.286541	Y
2	IC 410-544533/14	0.5	3.73308	50.0	81193.0	7.466161	Y
3	IC 410-544533/15	1.0	5.66327	50.0	80872.0	5.66327	Y
4	IC 410-544533/16	2.0	12.534883	50.0	82059.0	6.267442	Y
5	IC 410-544533/17	5.0	28.684936	50.0	83821.0	5.736987	Y
6	ICIS 410-544533/18	10.0	56.321959	50.0	86334.0	5.632196	Y
7	IC 410-544533/19	25.0	141.322981	50.0	92987.0	5.652919	Y



11/11/2024

Calibration / 3-Chloro-1-propene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

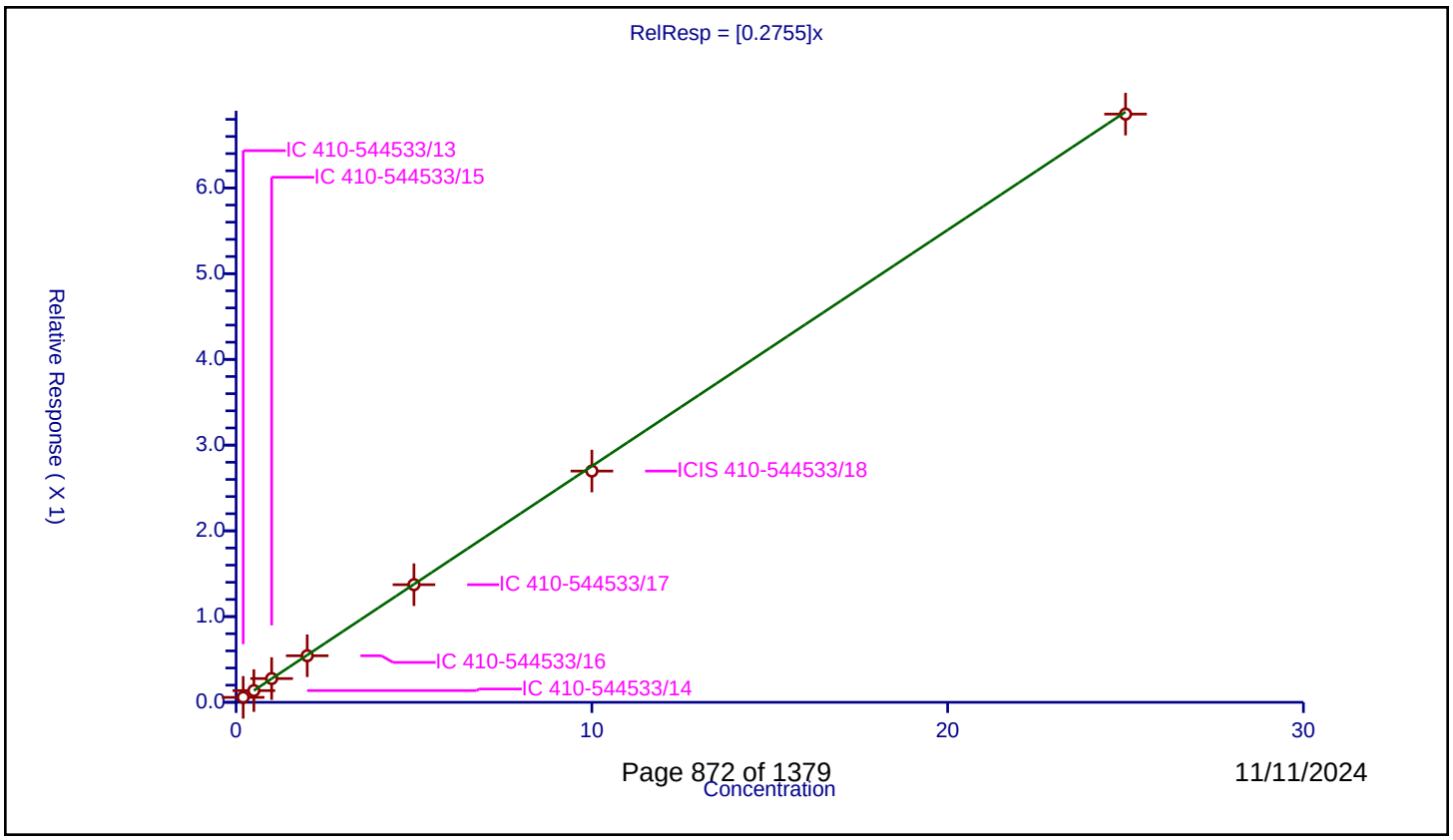
Curve Coefficients

Intercept:	0
Slope:	0.2755

Error Coefficients

Relative Standard Deviation:	2.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	0.2	0.057542	10.0	2188649.0	0.287712	Y
2	IC 410-544533/14	0.5	0.136772	10.0	2144225.0	0.273544	Y
3	IC 410-544533/15	1.0	0.276875	10.0	2145015.0	0.276875	Y
4	IC 410-544533/16	2.0	0.543135	10.0	2188388.0	0.271567	Y
5	IC 410-544533/17	5.0	1.372088	10.0	2145890.0	0.274418	Y
6	ICIS 410-544533/18	10.0	2.697322	10.0	2209380.0	0.269732	Y
7	IC 410-544533/19	25.0	6.861025	10.0	2128835.0	0.274441	Y



Calibration / Methylene Chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

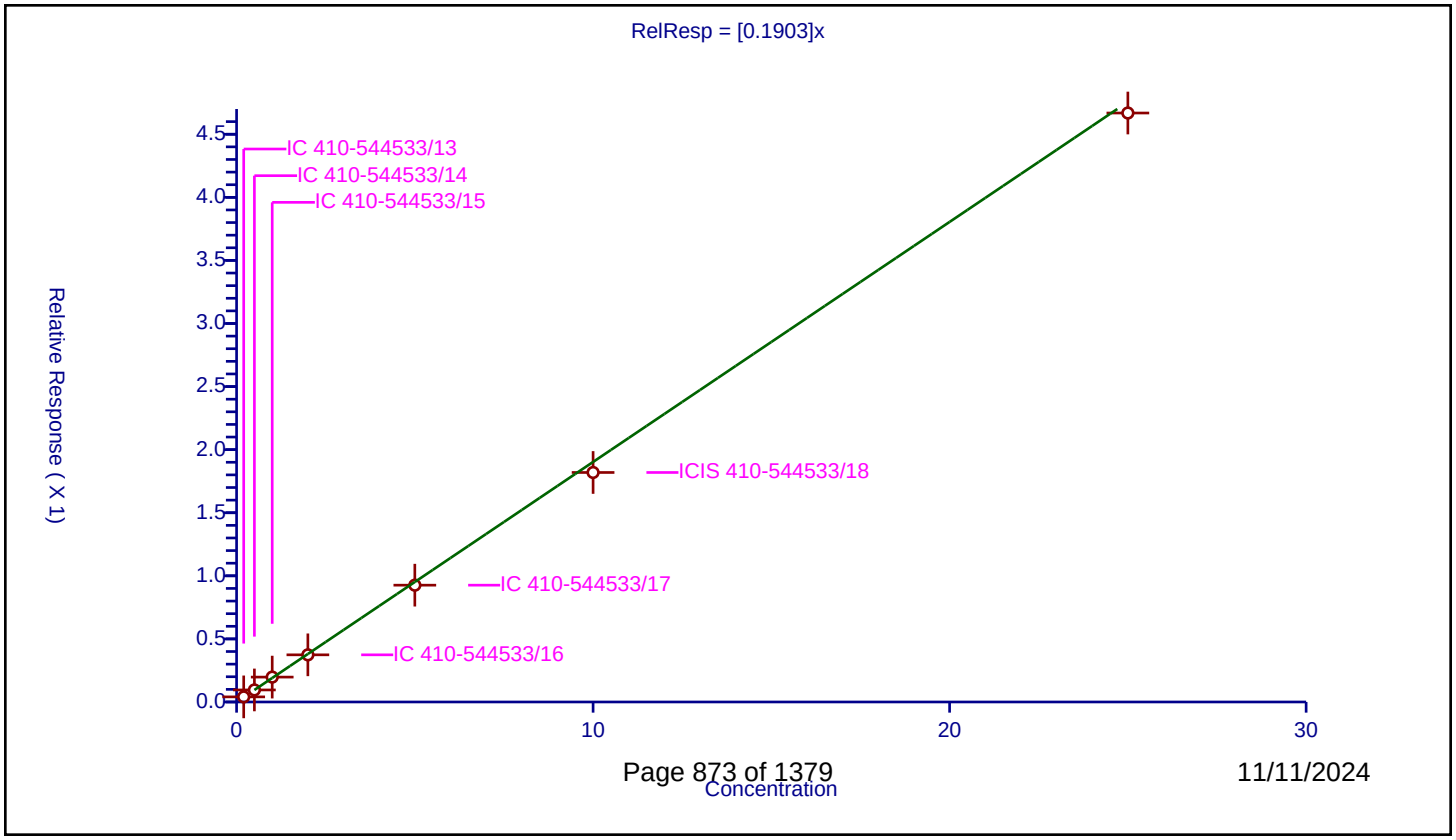
Curve Coefficients

Intercept:	0
Slope:	0.1903

Error Coefficients

Relative Standard Deviation:	3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	0.2	0.040559	10.0	2188649.0	0.202796	Y
2	IC 410-544533/14	0.5	0.095508	10.0	2144225.0	0.191015	Y
3	IC 410-544533/15	1.0	0.197318	10.0	2145015.0	0.197318	Y
4	IC 410-544533/16	2.0	0.373691	10.0	2188388.0	0.186845	Y
5	IC 410-544533/17	5.0	0.925784	10.0	2145890.0	0.185157	Y
6	ICIS 410-544533/18	10.0	1.819112	10.0	2209380.0	0.181911	Y
7	IC 410-544533/19	25.0	4.668351	10.0	2128835.0	0.186734	Y



11/11/2024

Calibration / 2-Methyl-2-propanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

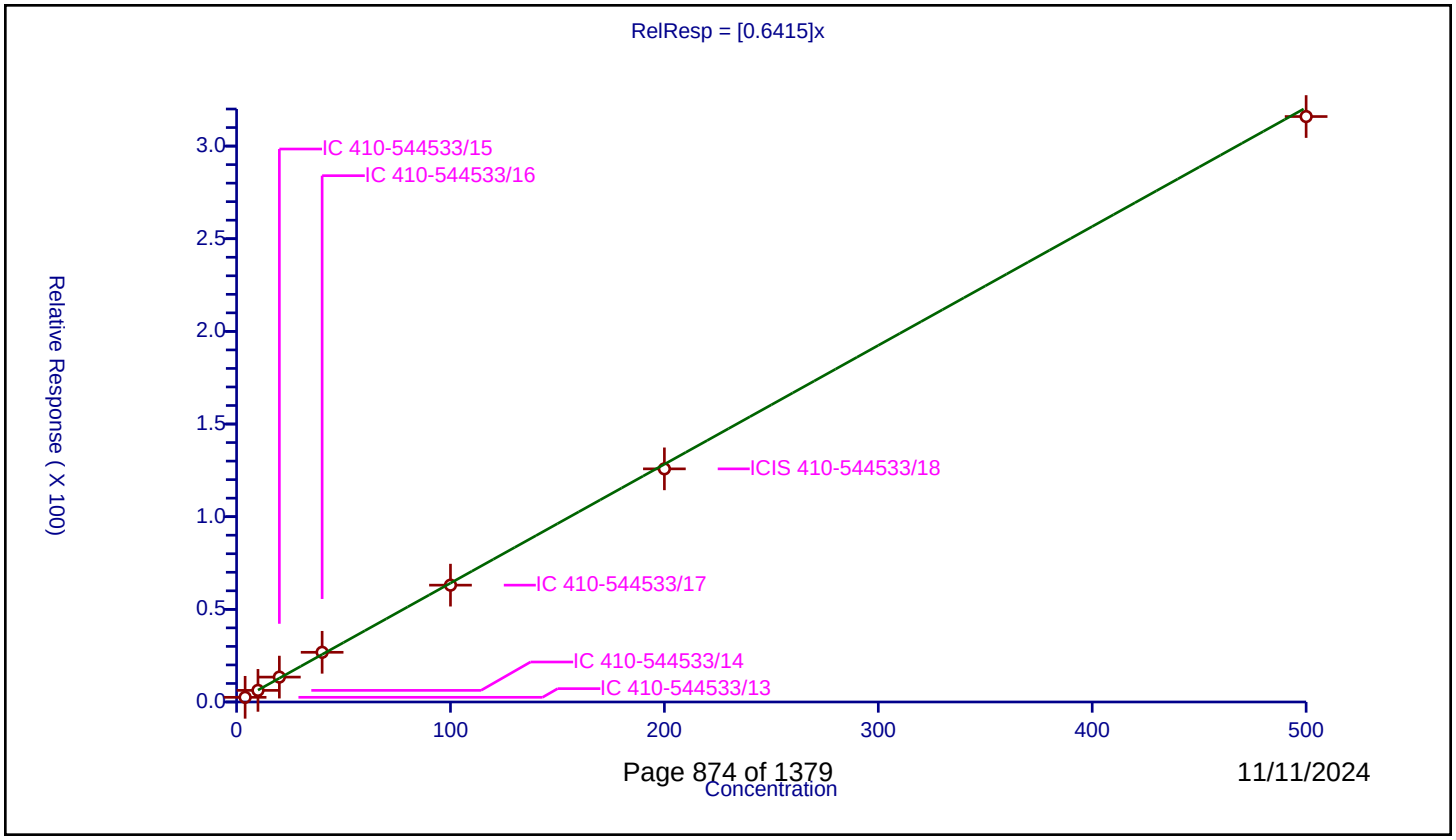
Curve Coefficients

Intercept:	0
Slope:	0.6415

Error Coefficients

Relative Standard Deviation:	3.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	4.0	2.521703	50.0	84665.0	0.630426	Y
2	IC 410-544533/14	10.0	6.265934	50.0	81193.0	0.626593	Y
3	IC 410-544533/15	20.0	13.435429	50.0	80872.0	0.671771	Y
4	IC 410-544533/16	40.0	26.811197	50.0	82059.0	0.67028	Y
5	IC 410-544533/17	100.0	63.048639	50.0	83821.0	0.630486	Y
6	ICIS 410-544533/18	200.0	125.806751	50.0	86334.0	0.629034	Y
7	IC 410-544533/19	500.0	315.937712	50.0	92987.0	0.631875	Y



Calibration / Acrylonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

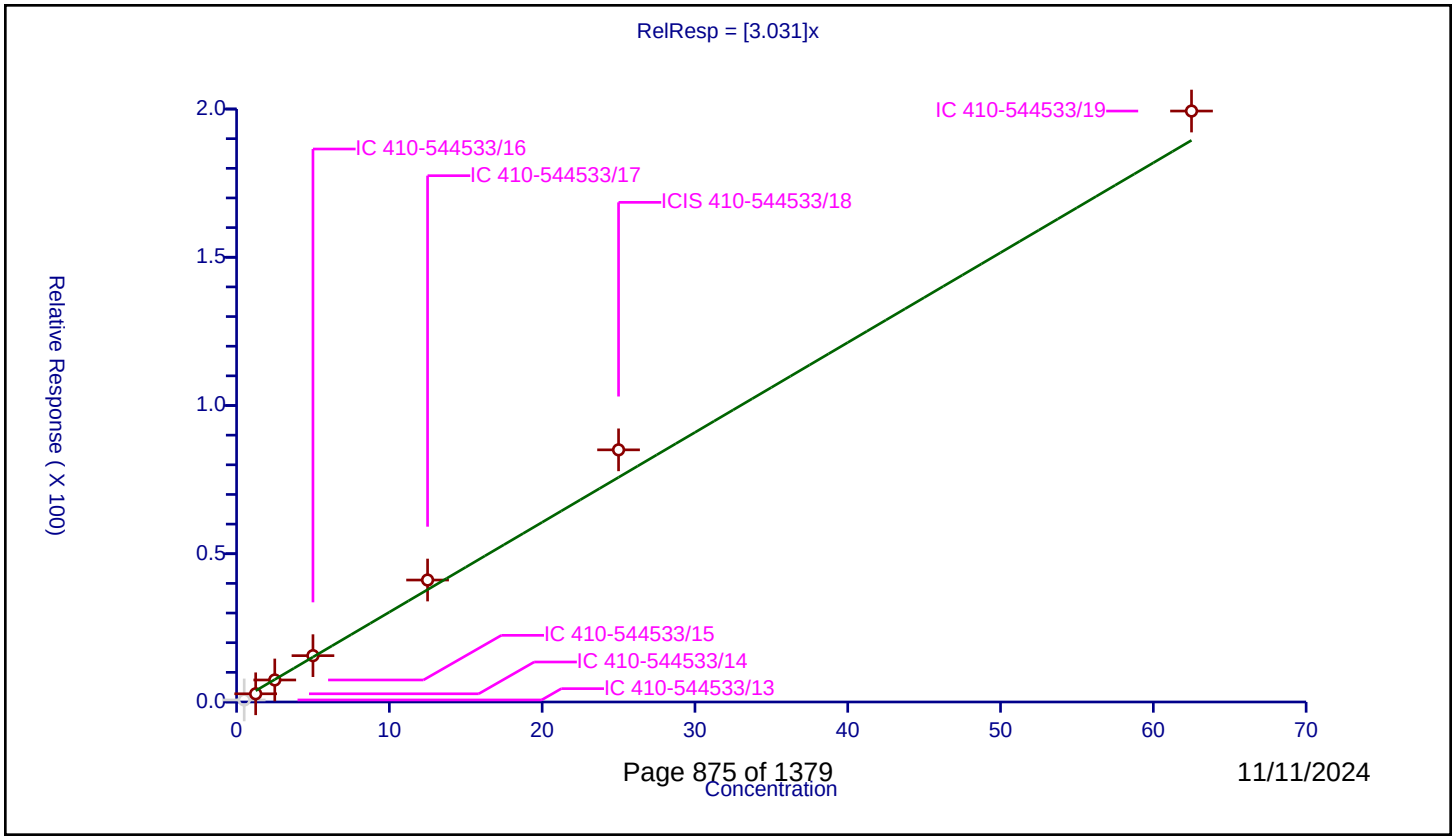
Curve Coefficients

Intercept:	0
Slope:	3.031

Error Coefficients

Relative Standard Deviation:	14.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	0.5	0.686825	50.0	84665.0	1.373649	N
2	IC 410-544533/14	1.25	2.761938	50.0	81193.0	2.20955	Y
3	IC 410-544533/15	2.5	7.422223	50.0	80872.0	2.968889	Y
4	IC 410-544533/16	5.0	15.630827	50.0	82059.0	3.126165	Y
5	IC 410-544533/17	12.5	41.135873	50.0	83821.0	3.29087	Y
6	ICIS 410-544533/18	25.0	85.043552	50.0	86334.0	3.401742	Y
7	IC 410-544533/19	62.5	199.316033	50.0	92987.0	3.189057	Y



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Calibration / Methyl tert-butyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

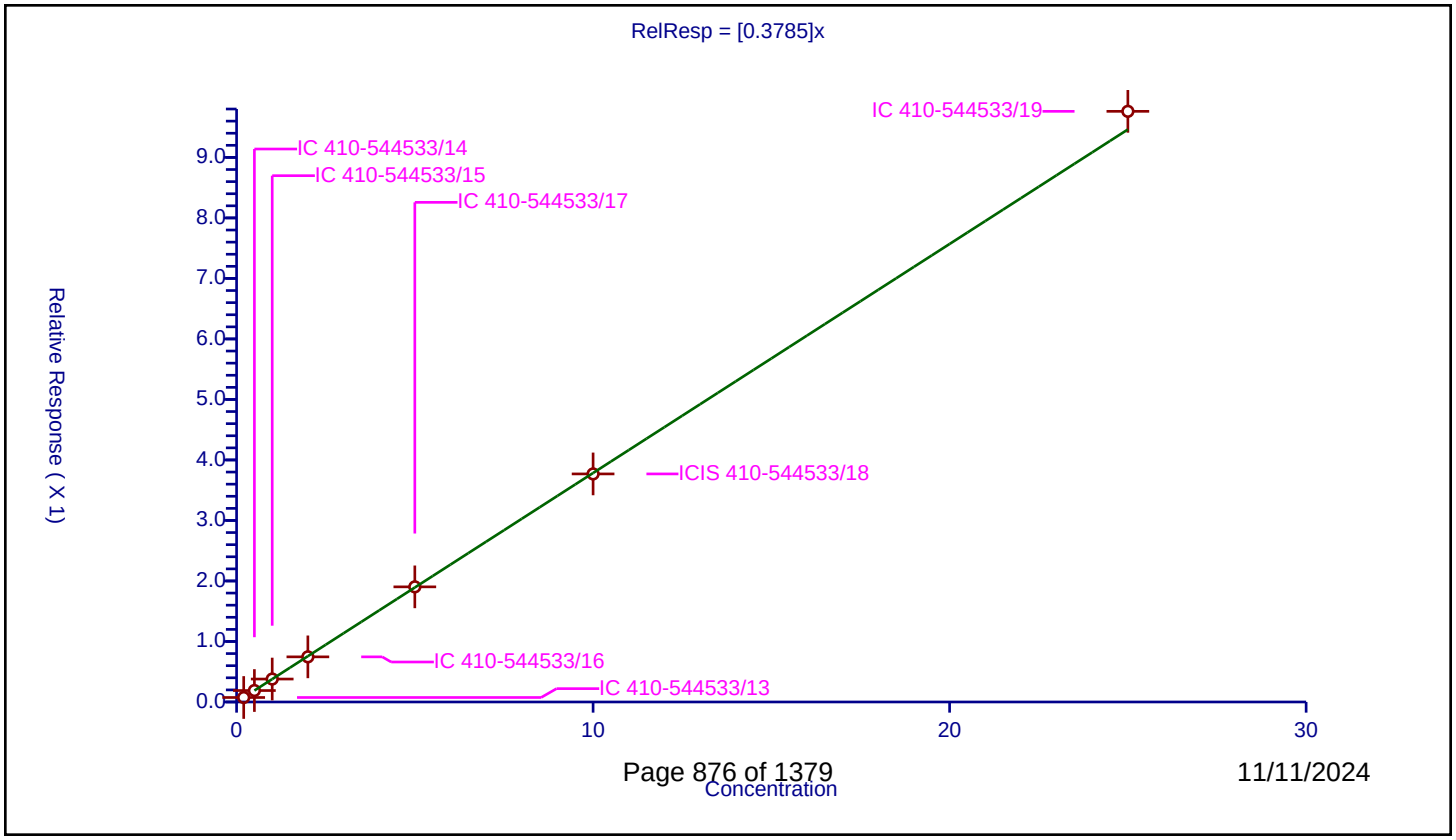
Curve Coefficients

Intercept:	0
Slope:	0.3785

Error Coefficients

Relative Standard Deviation:	1.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	0.2	0.074055	10.0	2188649.0	0.370274	Y
2	IC 410-544533/14	0.5	0.189406	10.0	2144225.0	0.378813	Y
3	IC 410-544533/15	1.0	0.379429	10.0	2145015.0	0.379429	Y
4	IC 410-544533/16	2.0	0.745896	10.0	2188388.0	0.372948	Y
5	IC 410-544533/17	5.0	1.902702	10.0	2145890.0	0.38054	Y
6	ICIS 410-544533/18	10.0	3.769152	10.0	2209380.0	0.376915	Y
7	IC 410-544533/19	25.0	9.761677	10.0	2128835.0	0.390467	Y



Calibration / trans-1,2-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

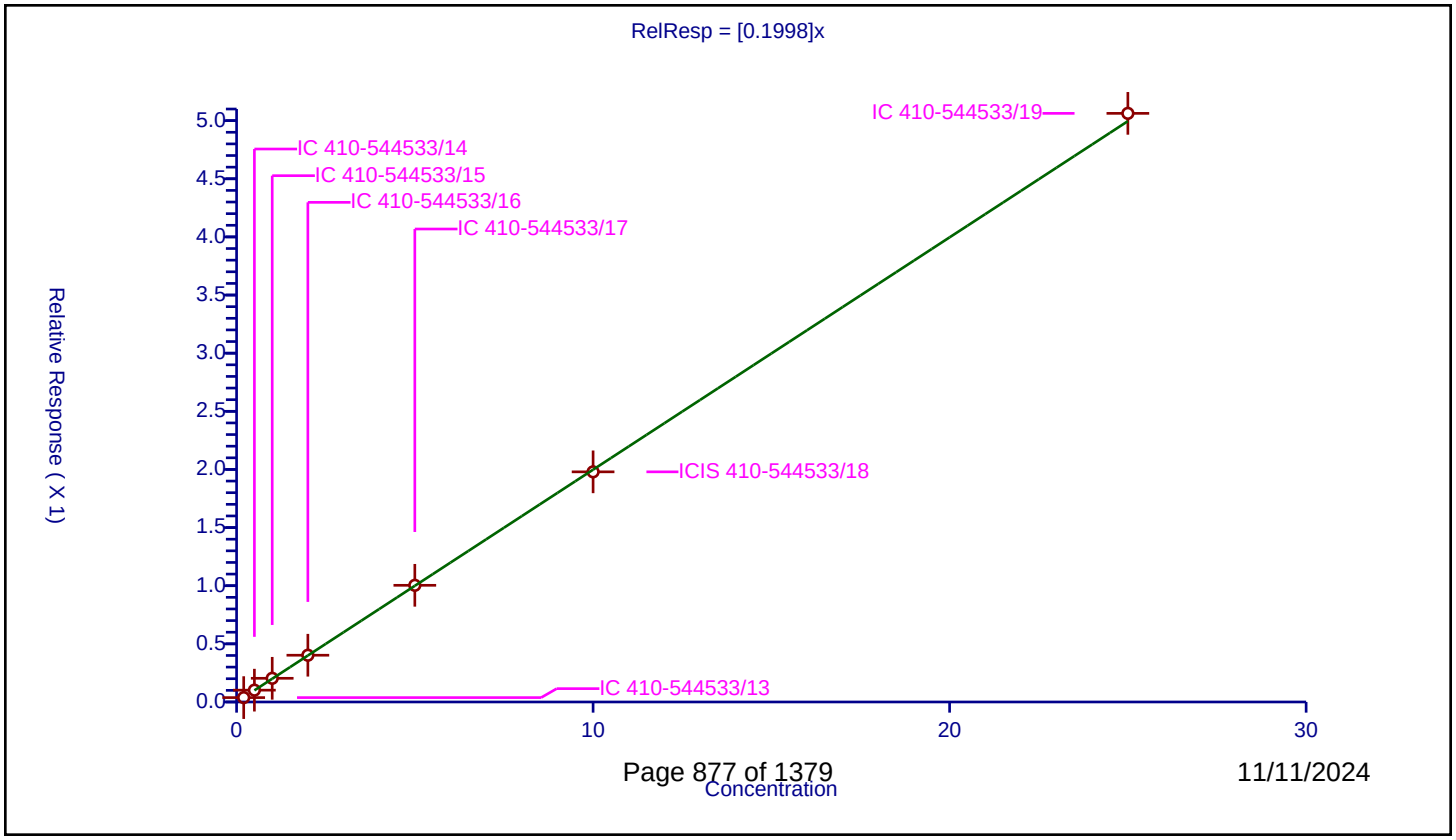
Curve Coefficients

Intercept:	0
Slope:	0.1998

Error Coefficients

Relative Standard Deviation:	2.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	0.2	0.037804	10.0	2188649.0	0.189021	Y
2	IC 410-544533/14	0.5	0.101794	10.0	2144225.0	0.203589	Y
3	IC 410-544533/15	1.0	0.203891	10.0	2145015.0	0.203891	Y
4	IC 410-544533/16	2.0	0.4021	10.0	2188388.0	0.20105	Y
5	IC 410-544533/17	5.0	1.003528	10.0	2145890.0	0.200706	Y
6	ICIS 410-544533/18	10.0	1.979343	10.0	2209380.0	0.197934	Y
7	IC 410-544533/19	25.0	5.062605	10.0	2128835.0	0.202504	Y



Calibration / Hexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

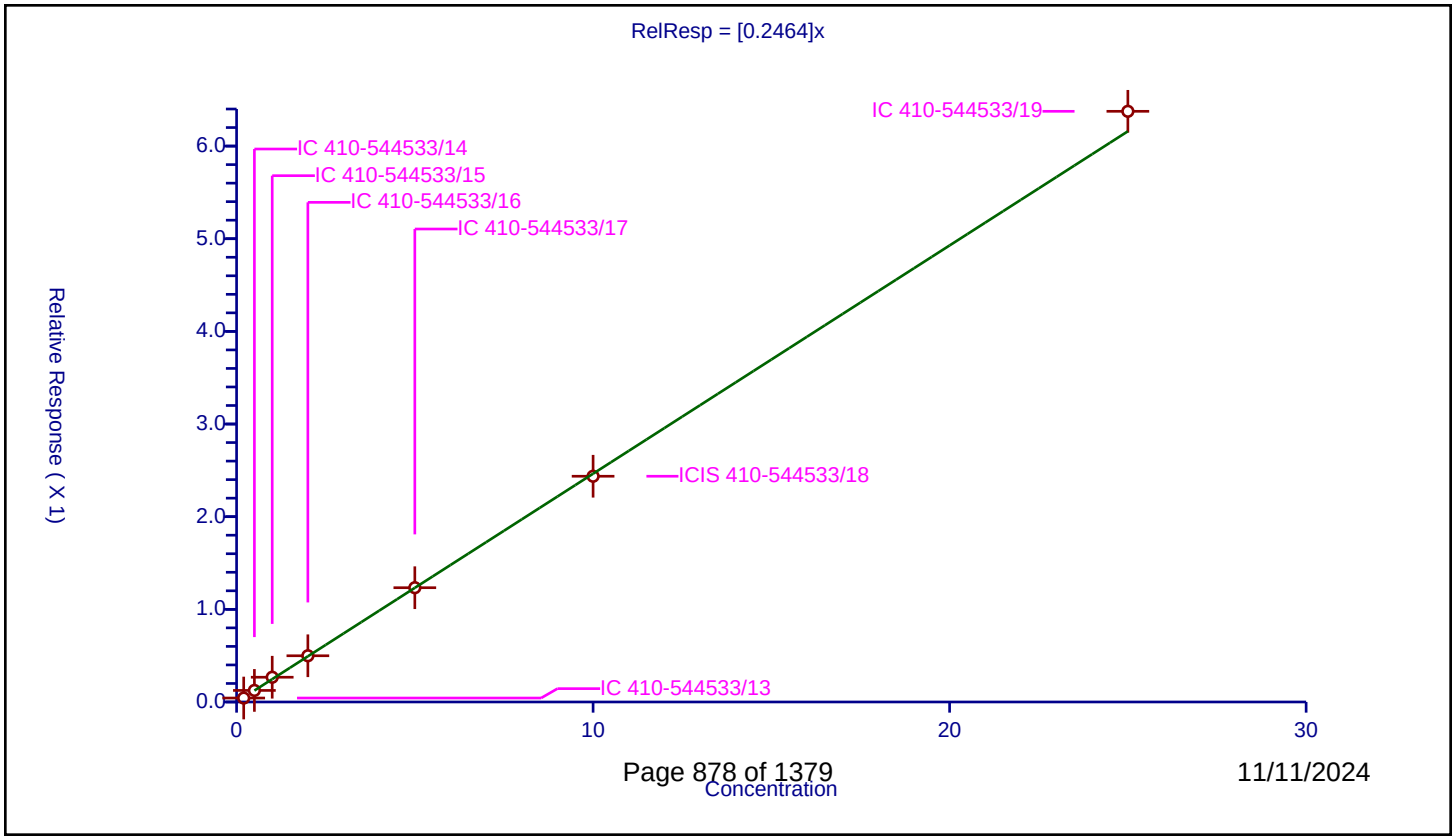
Curve Coefficients

Intercept:	0
Slope:	0.2464

Error Coefficients

Relative Standard Deviation:	6.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	0.2	0.042688	10.0	2188649.0	0.213442	Y
2	IC 410-544533/14	0.5	0.124637	10.0	2144225.0	0.249274	Y
3	IC 410-544533/15	1.0	0.267098	10.0	2145015.0	0.267098	Y
4	IC 410-544533/16	2.0	0.498924	10.0	2188388.0	0.249462	Y
5	IC 410-544533/17	5.0	1.23353	10.0	2145890.0	0.246706	Y
6	ICIS 410-544533/18	10.0	2.436412	10.0	2209380.0	0.243641	Y
7	IC 410-544533/19	25.0	6.375116	10.0	2128835.0	0.255005	Y



Calibration / 1,1-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

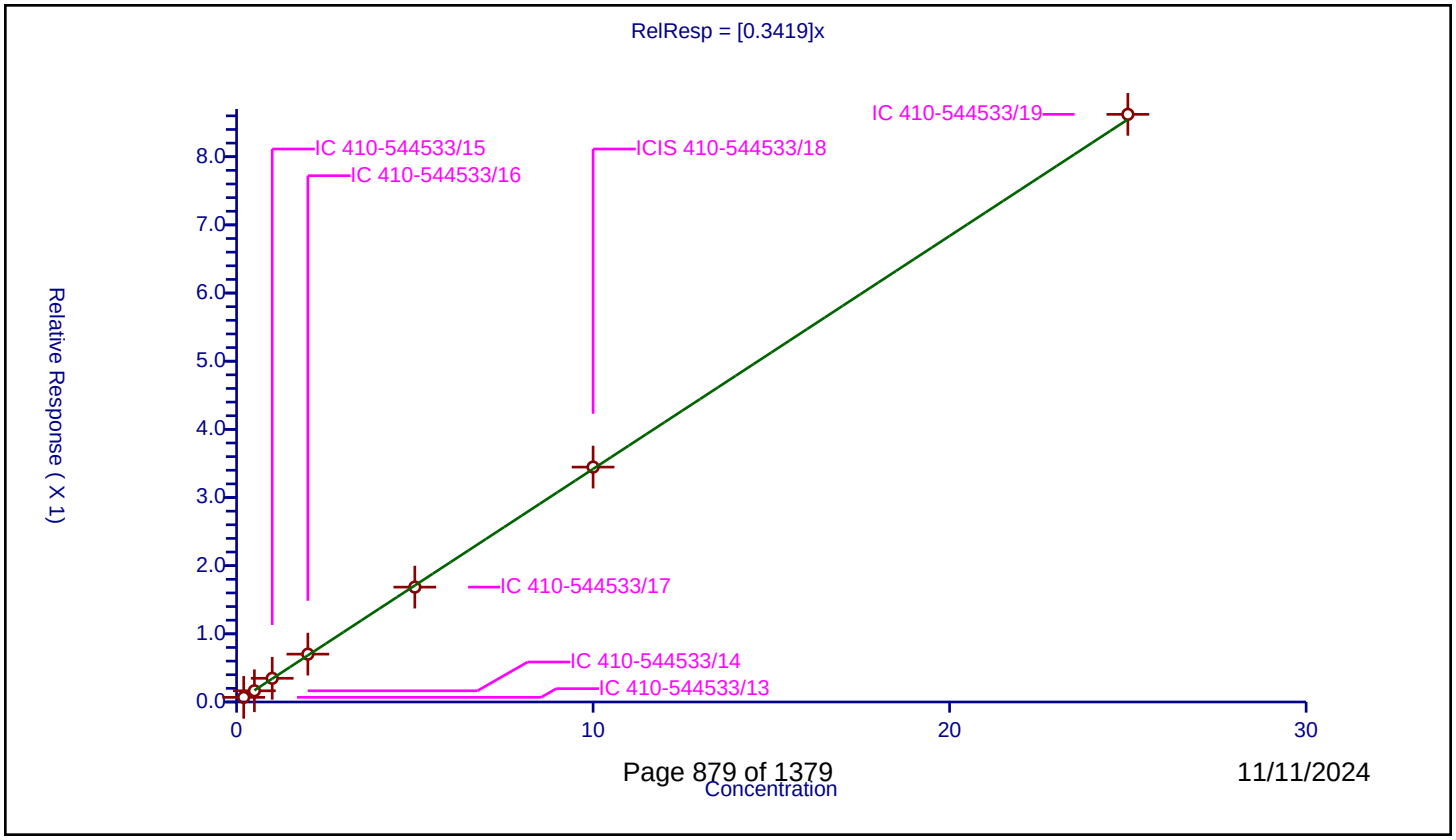
Curve Coefficients

Intercept:	0
Slope:	0.3419

Error Coefficients

Relative Standard Deviation:	2.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	0.2	0.067718	10.0	2188649.0	0.338588	Y
2	IC 410-544533/14	0.5	0.164605	10.0	2144225.0	0.32921	Y
3	IC 410-544533/15	1.0	0.34776	10.0	2145015.0	0.34776	Y
4	IC 410-544533/16	2.0	0.702138	10.0	2188388.0	0.351069	Y
5	IC 410-544533/17	5.0	1.685413	10.0	2145890.0	0.337083	Y
6	ICIS 410-544533/18	10.0	3.446456	10.0	2209380.0	0.344646	Y
7	IC 410-544533/19	25.0	8.621899	10.0	2128835.0	0.344876	Y



Calibration / Isopropyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

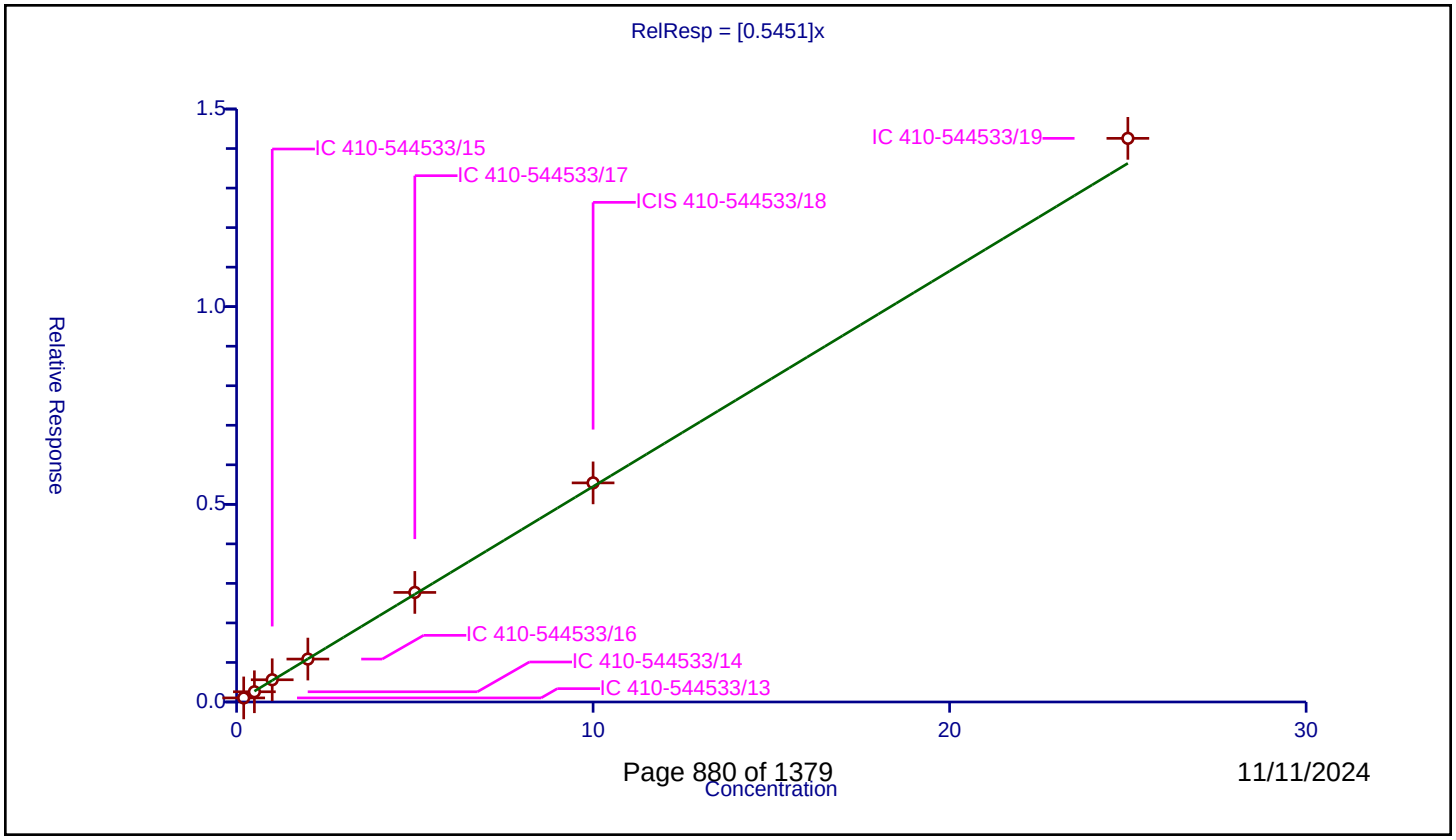
Curve Coefficients

Intercept:	0
Slope:	0.5451

Error Coefficients

Relative Standard Deviation:	4.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	0.2	0.102735	10.0	2188649.0	0.513673	Y
2	IC 410-544533/14	0.5	0.258993	10.0	2144225.0	0.517987	Y
3	IC 410-544533/15	1.0	0.562103	10.0	2145015.0	0.562103	Y
4	IC 410-544533/16	2.0	1.085822	10.0	2188388.0	0.542911	Y
5	IC 410-544533/17	5.0	2.771312	10.0	2145890.0	0.554262	Y
6	ICIS 410-544533/18	10.0	5.542754	10.0	2209380.0	0.554275	Y
7	IC 410-544533/19	25.0	14.258024	10.0	2128835.0	0.570321	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

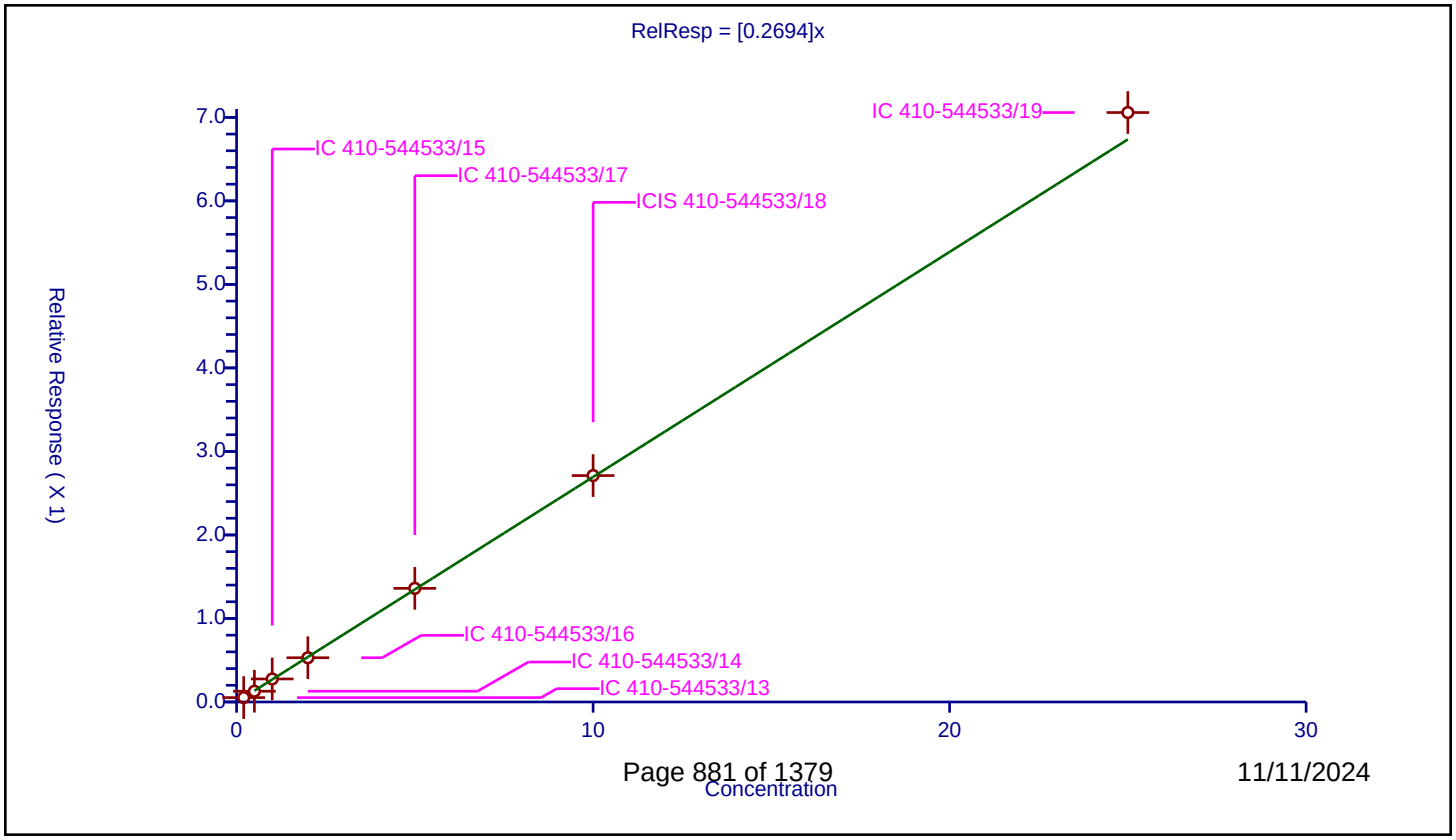
Curve Coefficients

Intercept:	0
Slope:	0.2694

Error Coefficients

Relative Standard Deviation:	3.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	0.2	0.052498	10.0	2188649.0	0.262491	Y
2	IC 410-544533/14	0.5	0.12869	10.0	2144225.0	0.25738	Y
3	IC 410-544533/15	1.0	0.275709	10.0	2145015.0	0.275709	Y
4	IC 410-544533/16	2.0	0.530007	10.0	2188388.0	0.265003	Y
5	IC 410-544533/17	5.0	1.360736	10.0	2145890.0	0.272147	Y
6	ICIS 410-544533/18	10.0	2.710856	10.0	2209380.0	0.271086	Y
7	IC 410-544533/19	25.0	7.057719	10.0	2128835.0	0.282309	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

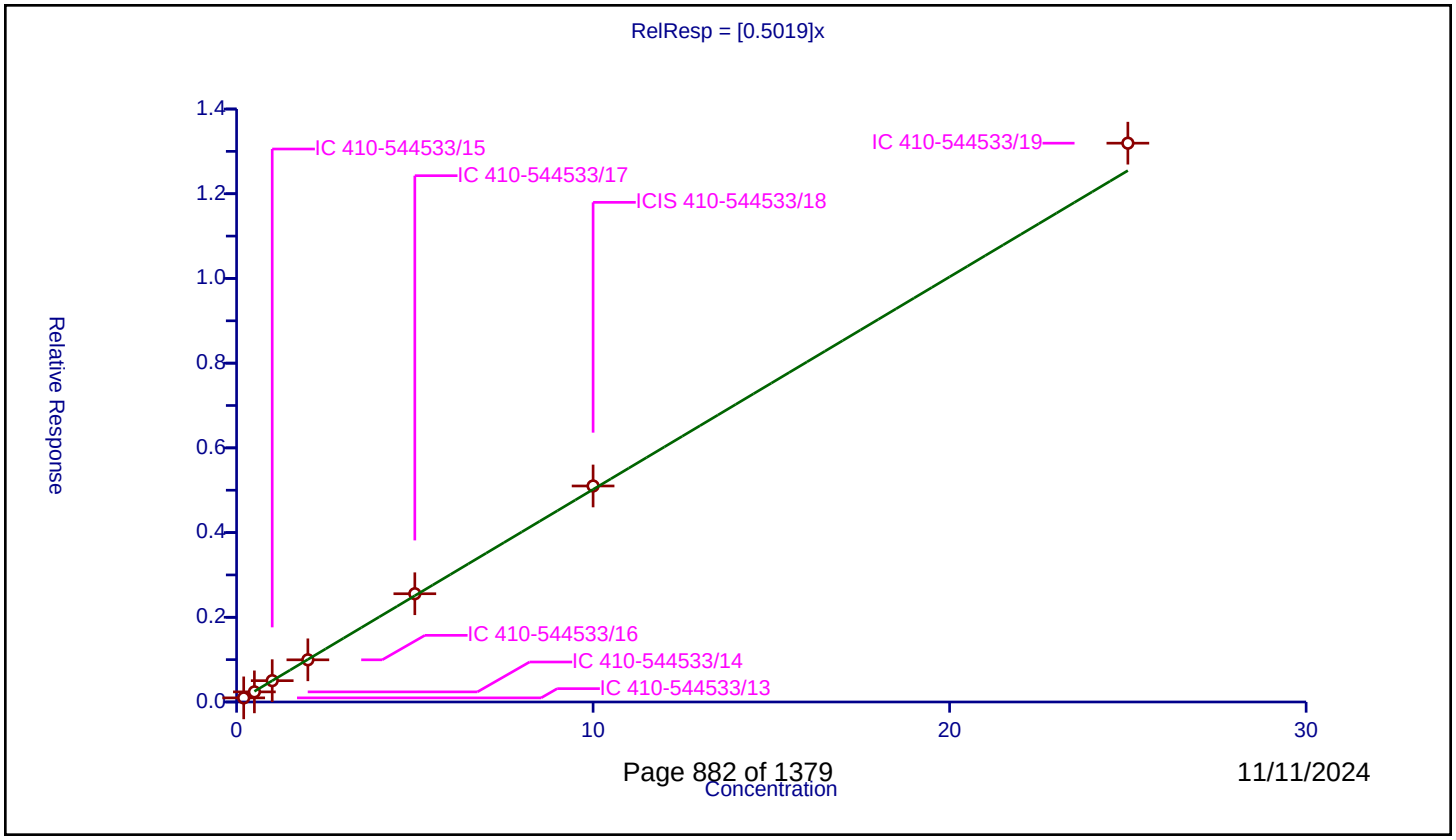
Curve Coefficients

Intercept:	0
Slope:	0.5019

Error Coefficients

Relative Standard Deviation:	3.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	0.2	0.097028	10.0	2188649.0	0.485139	Y
2	IC 410-544533/14	0.5	0.238832	10.0	2144225.0	0.477664	Y
3	IC 410-544533/15	1.0	0.503362	10.0	2145015.0	0.503362	Y
4	IC 410-544533/16	2.0	0.995774	10.0	2188388.0	0.497887	Y
5	IC 410-544533/17	5.0	2.555802	10.0	2145890.0	0.51116	Y
6	ICIS 410-544533/18	10.0	5.100322	10.0	2209380.0	0.510032	Y
7	IC 410-544533/19	25.0	13.193559	10.0	2128835.0	0.527742	Y



Calibration / 2-Butanone (MEK)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

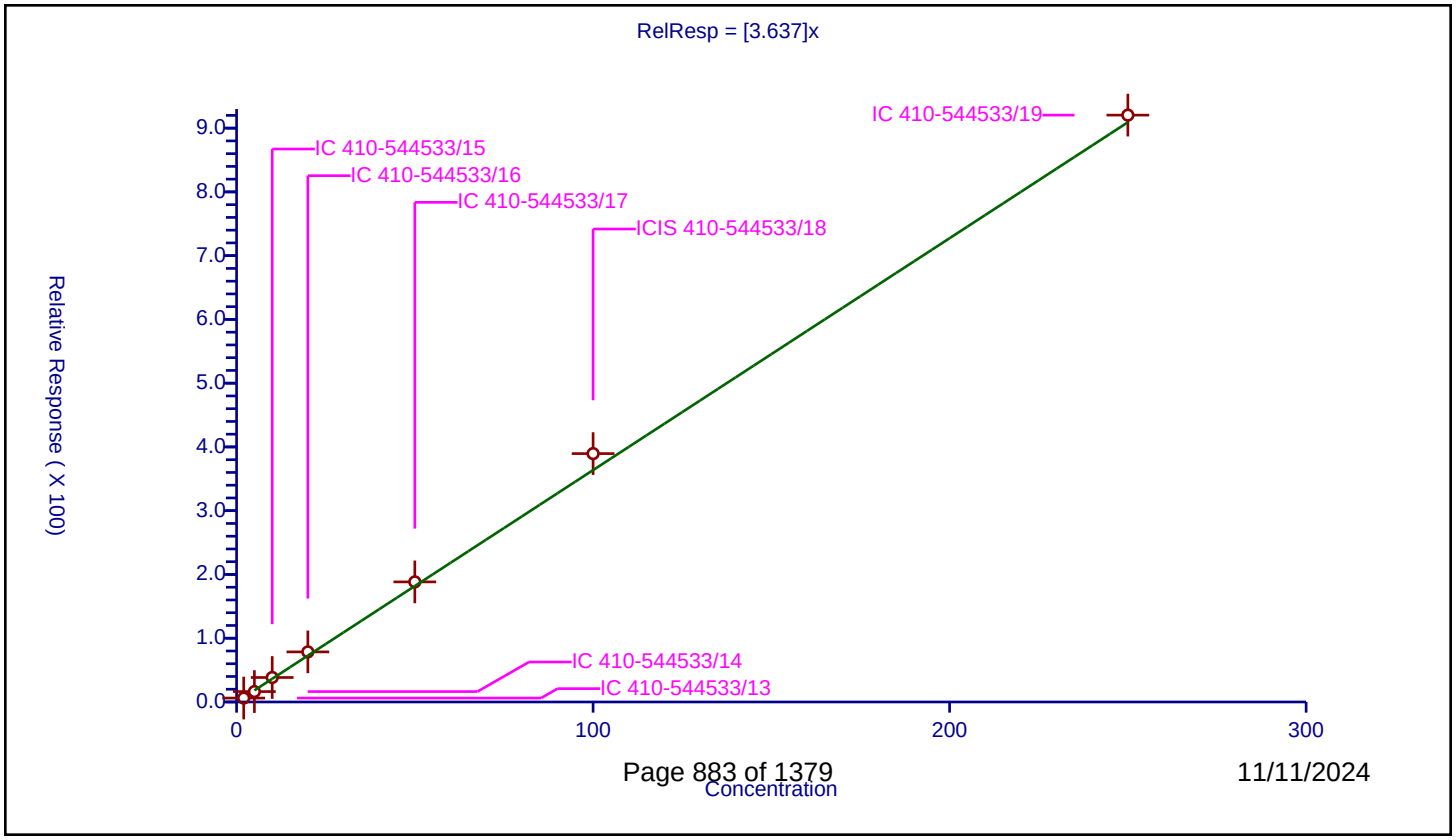
Curve Coefficients

Intercept:	0
Slope:	3.637

Error Coefficients

Relative Standard Deviation:	9.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	2.0	6.161932	50.0	84665.0	3.080966	Y
2	IC 410-544533/14	5.0	16.317293	50.0	81193.0	3.263459	Y
3	IC 410-544533/15	10.0	38.416263	50.0	80872.0	3.841626	Y
4	IC 410-544533/16	20.0	78.54958	50.0	82059.0	3.927479	Y
5	IC 410-544533/17	50.0	188.356736	50.0	83821.0	3.767135	Y
6	ICIS 410-544533/18	100.0	389.56205	50.0	86334.0	3.89562	Y
7	IC 410-544533/19	250.0	920.409842	50.0	92987.0	3.681639	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

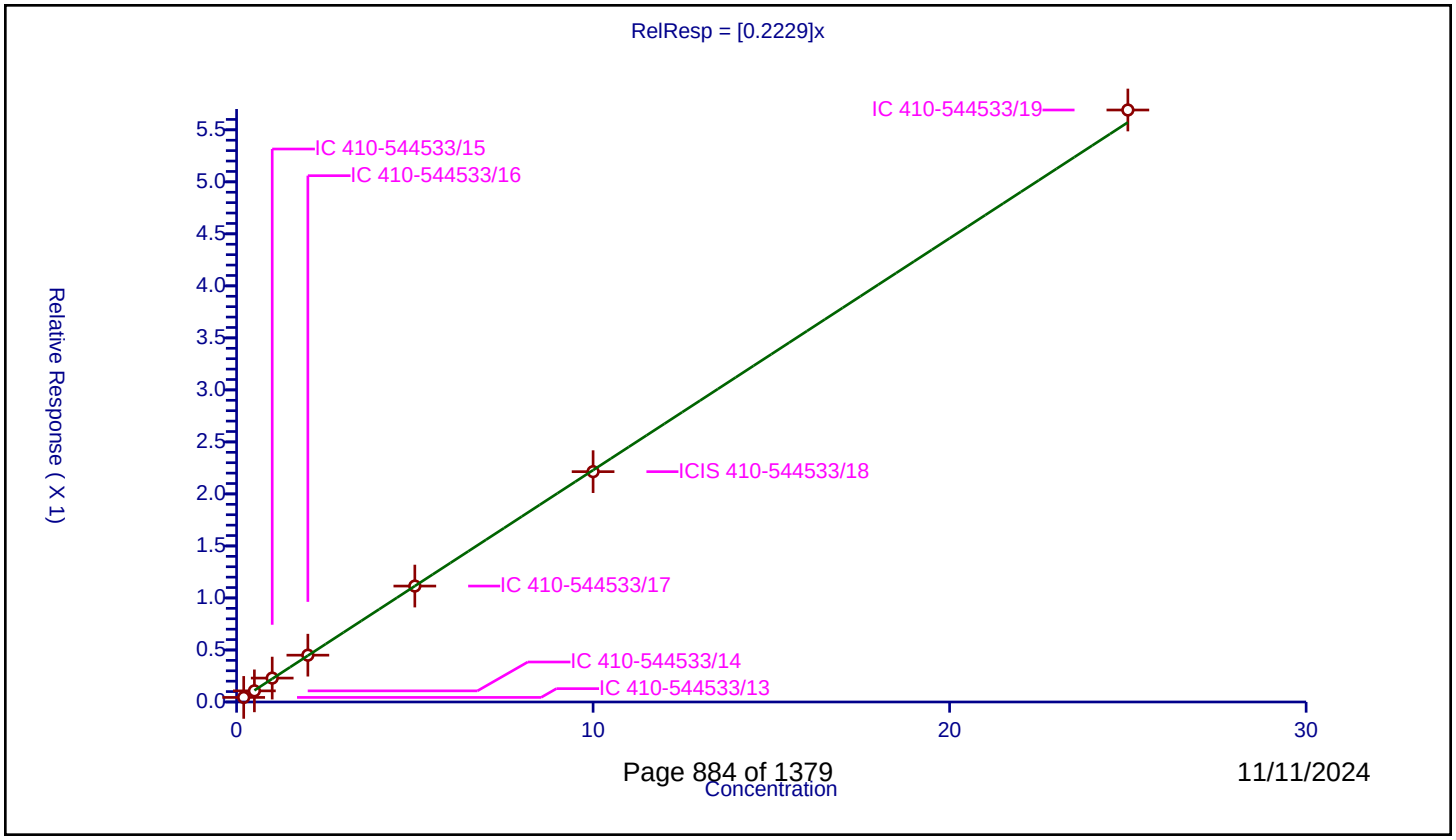
Curve Coefficients

Intercept:	0
Slope:	0.2229

Error Coefficients

Relative Standard Deviation:	2.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	0.2	0.043876	10.0	2188649.0	0.219382	Y
2	IC 410-544533/14	0.5	0.107046	10.0	2144225.0	0.214091	Y
3	IC 410-544533/15	1.0	0.229723	10.0	2145015.0	0.229723	Y
4	IC 410-544533/16	2.0	0.450016	10.0	2188388.0	0.225008	Y
5	IC 410-544533/17	5.0	1.11434	10.0	2145890.0	0.222868	Y
6	ICIS 410-544533/18	10.0	2.2142	10.0	2209380.0	0.22142	Y
7	IC 410-544533/19	25.0	5.690526	10.0	2128835.0	0.227621	Y



Calibration / 2,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

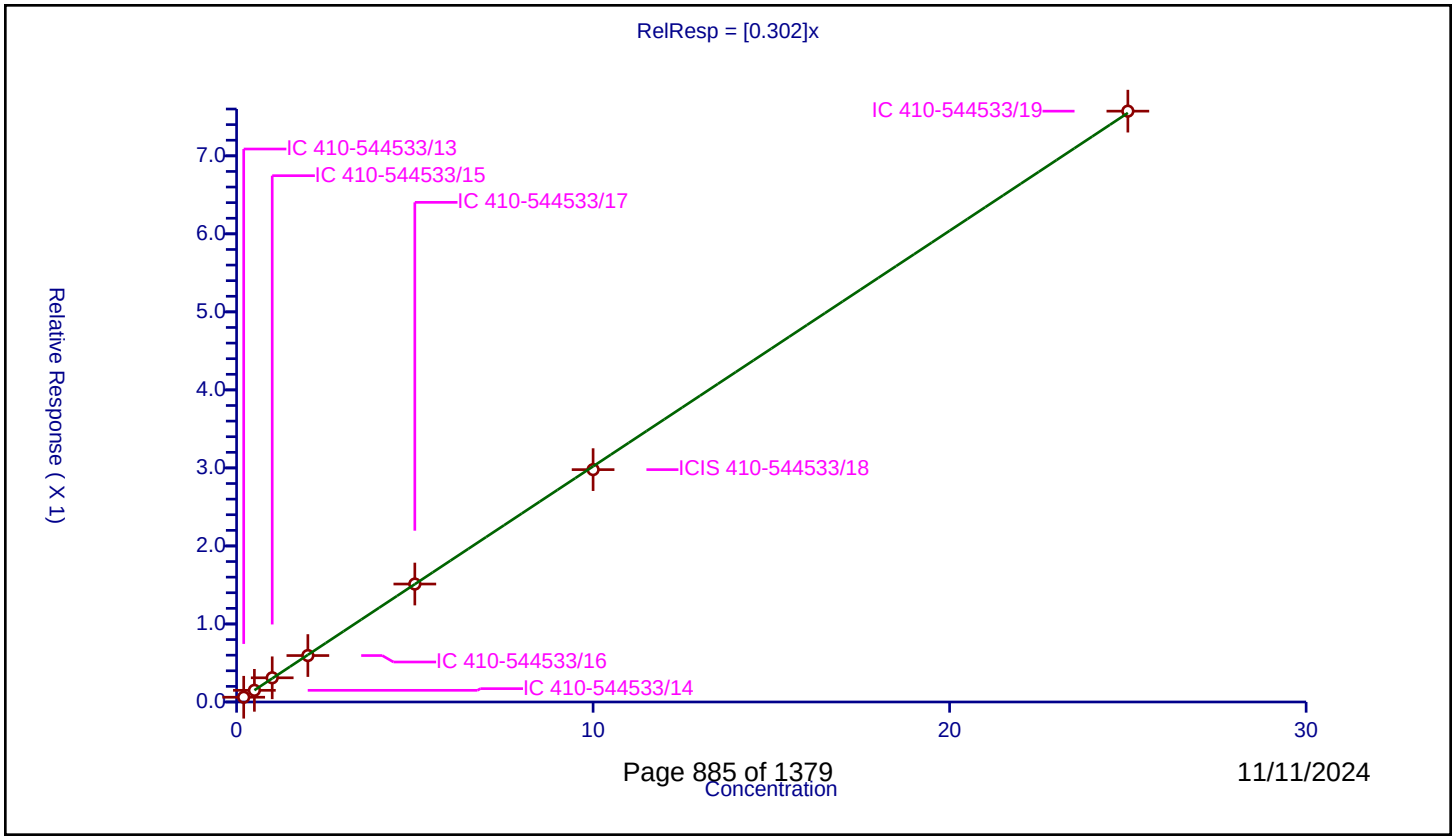
Curve Coefficients

Intercept:	0
Slope:	0.302

Error Coefficients

Relative Standard Deviation:	1.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	0.2	0.060837	10.0	2188649.0	0.304183	Y
2	IC 410-544533/14	0.5	0.149532	10.0	2144225.0	0.299064	Y
3	IC 410-544533/15	1.0	0.310002	10.0	2145015.0	0.310002	Y
4	IC 410-544533/16	2.0	0.59515	10.0	2188388.0	0.297575	Y
5	IC 410-544533/17	5.0	1.511988	10.0	2145890.0	0.302398	Y
6	ICIS 410-544533/18	10.0	2.978021	10.0	2209380.0	0.297802	Y
7	IC 410-544533/19	25.0	7.572574	10.0	2128835.0	0.302903	Y



Calibration / Propionitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

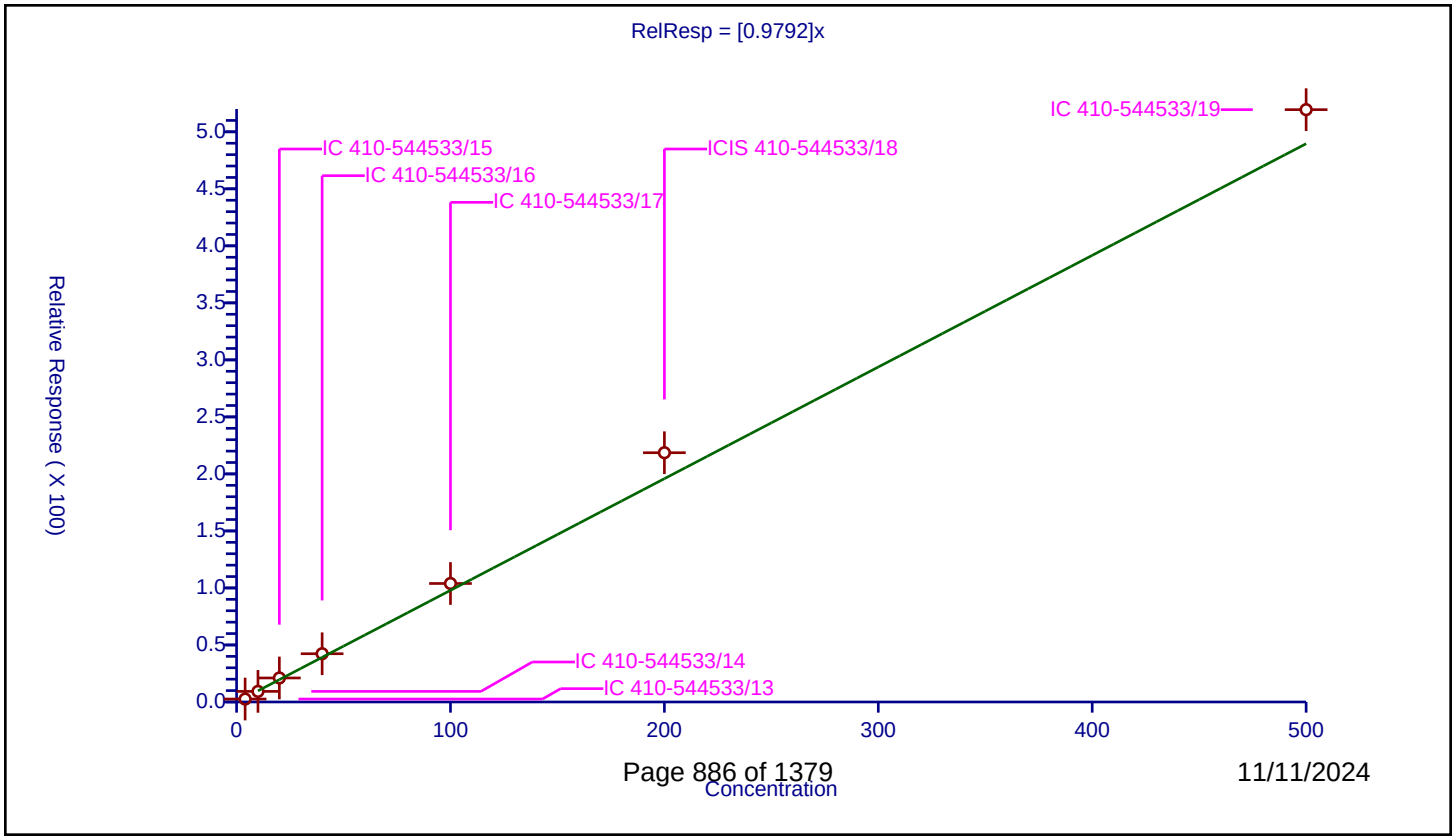
Curve Coefficients

Intercept:	0
Slope:	0.9792

Error Coefficients

Relative Standard Deviation:	16.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	4.0	2.575444	50.0	84665.0	0.643861	Y
2	IC 410-544533/14	10.0	9.285283	50.0	81193.0	0.928528	Y
3	IC 410-544533/15	20.0	21.055495	50.0	80872.0	1.052775	Y
4	IC 410-544533/16	40.0	42.321379	50.0	82059.0	1.058034	Y
5	IC 410-544533/17	100.0	103.906539	50.0	83821.0	1.039065	Y
6	ICIS 410-544533/18	200.0	218.585957	50.0	86334.0	1.09293	Y
7	IC 410-544533/19	500.0	519.42906	50.0	92987.0	1.038858	Y



Calibration / Methacrylonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

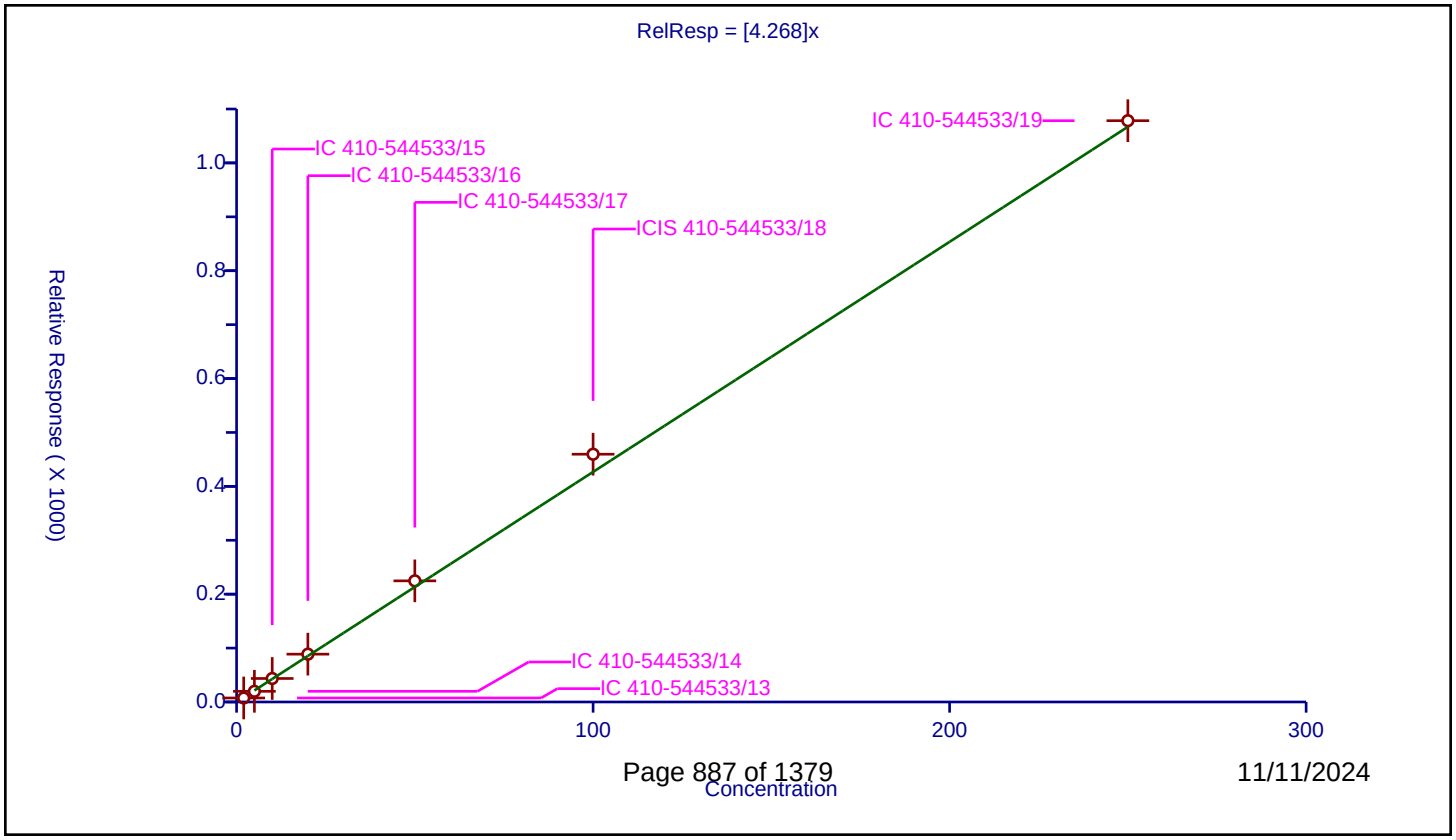
Curve Coefficients

Intercept:	0
Slope:	4.268

Error Coefficients

Relative Standard Deviation:	7.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	2.0	7.438729	50.0	84665.0	3.719365	Y
2	IC 410-544533/14	5.0	19.79481	50.0	81193.0	3.958962	Y
3	IC 410-544533/15	10.0	43.587397	50.0	80872.0	4.35874	Y
4	IC 410-544533/16	20.0	88.700204	50.0	82059.0	4.43501	Y
5	IC 410-544533/17	50.0	224.685341	50.0	83821.0	4.493707	Y
6	ICIS 410-544533/18	100.0	459.653207	50.0	86334.0	4.596532	Y
7	IC 410-544533/19	250.0	1078.337294	50.0	92987.0	4.313349	Y



11/11/2024

Calibration / Chlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

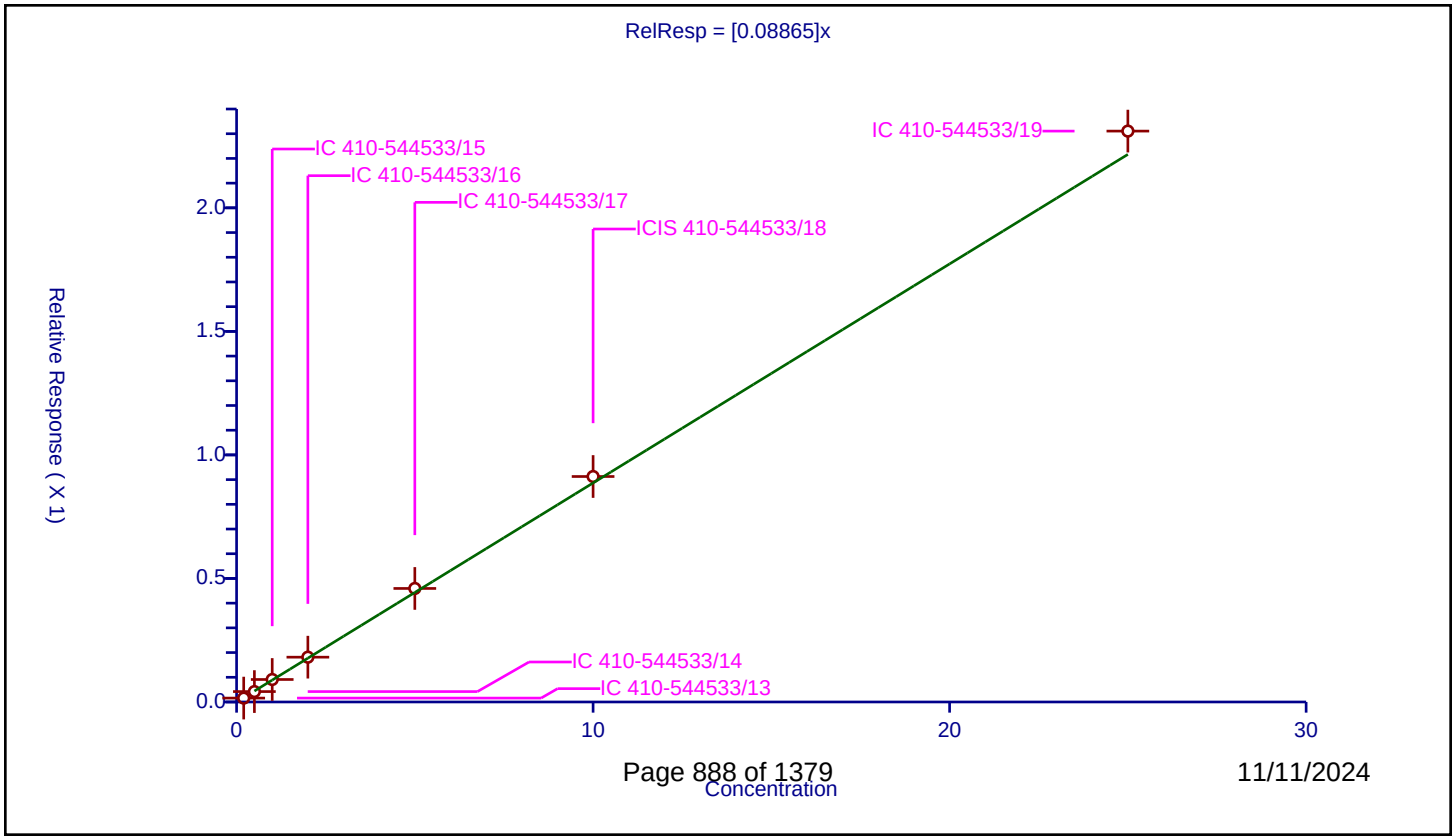
Curve Coefficients

Intercept:	0
Slope:	0.08865

Error Coefficients

Relative Standard Deviation:	5.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	0.2	0.015791	10.0	2188649.0	0.078953	Y
2	IC 410-544533/14	0.5	0.04216	10.0	2144225.0	0.08432	Y
3	IC 410-544533/15	1.0	0.091044	10.0	2145015.0	0.091044	Y
4	IC 410-544533/16	2.0	0.181344	10.0	2188388.0	0.090672	Y
5	IC 410-544533/17	5.0	0.459502	10.0	2145890.0	0.0919	Y
6	ICIS 410-544533/18	10.0	0.912568	10.0	2209380.0	0.091257	Y
7	IC 410-544533/19	25.0	2.310653	10.0	2128835.0	0.092426	Y



Calibration / Tetrahydrofuran

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

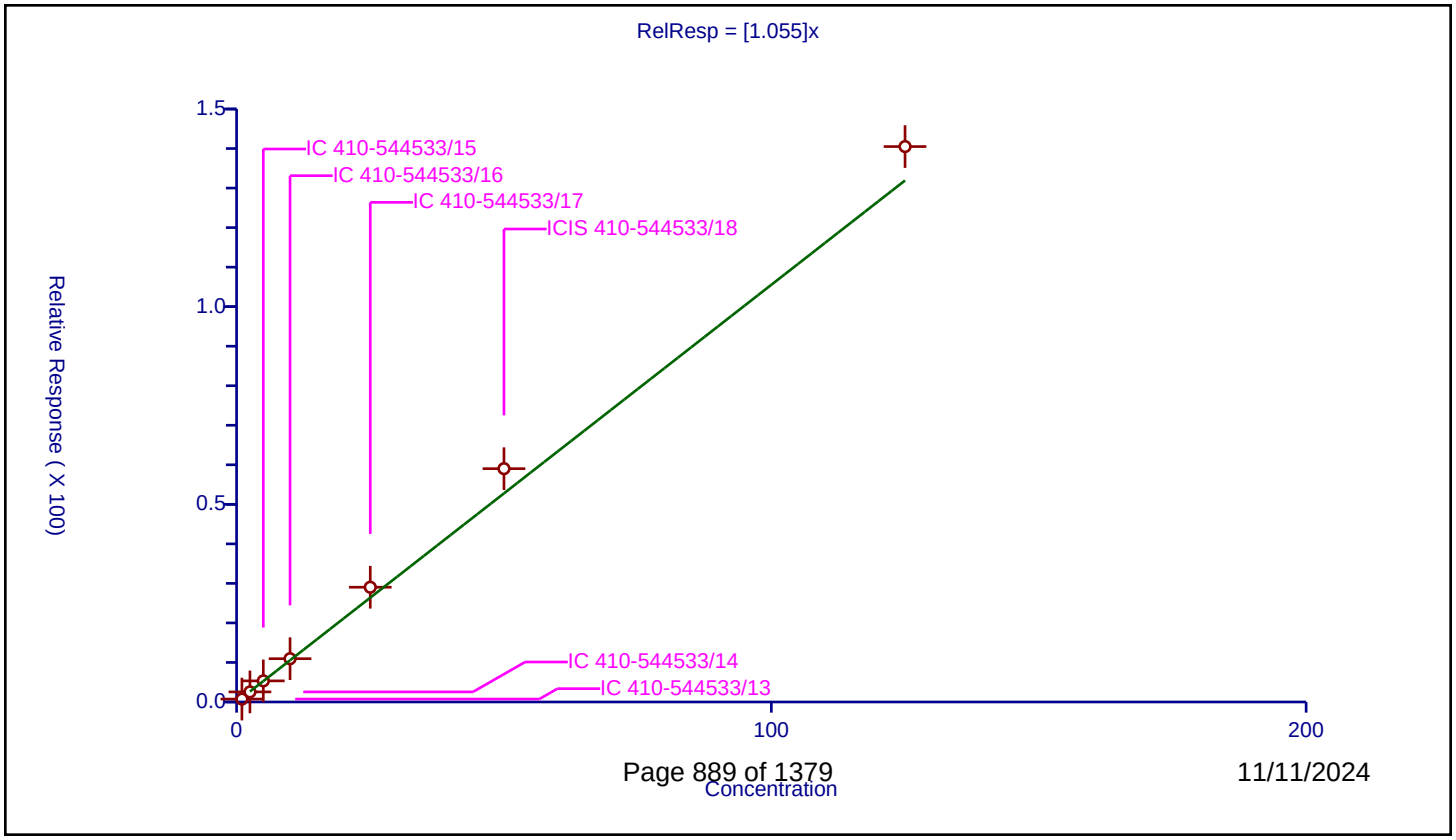
Curve Coefficients

Intercept:	0
Slope:	1.055

Error Coefficients

Relative Standard Deviation:	14.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	1.0	0.738204	50.0	84665.0	0.738204	Y
2	IC 410-544533/14	2.5	2.551328	50.0	81193.0	1.020531	Y
3	IC 410-544533/15	5.0	5.33992	50.0	80872.0	1.067984	Y
4	IC 410-544533/16	10.0	10.953704	50.0	82059.0	1.09537	Y
5	IC 410-544533/17	25.0	29.029718	50.0	83821.0	1.161189	Y
6	ICIS 410-544533/18	50.0	59.021359	50.0	86334.0	1.180427	Y
7	IC 410-544533/19	125.0	140.503511	50.0	92987.0	1.124028	Y



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Calibration / Chloroform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

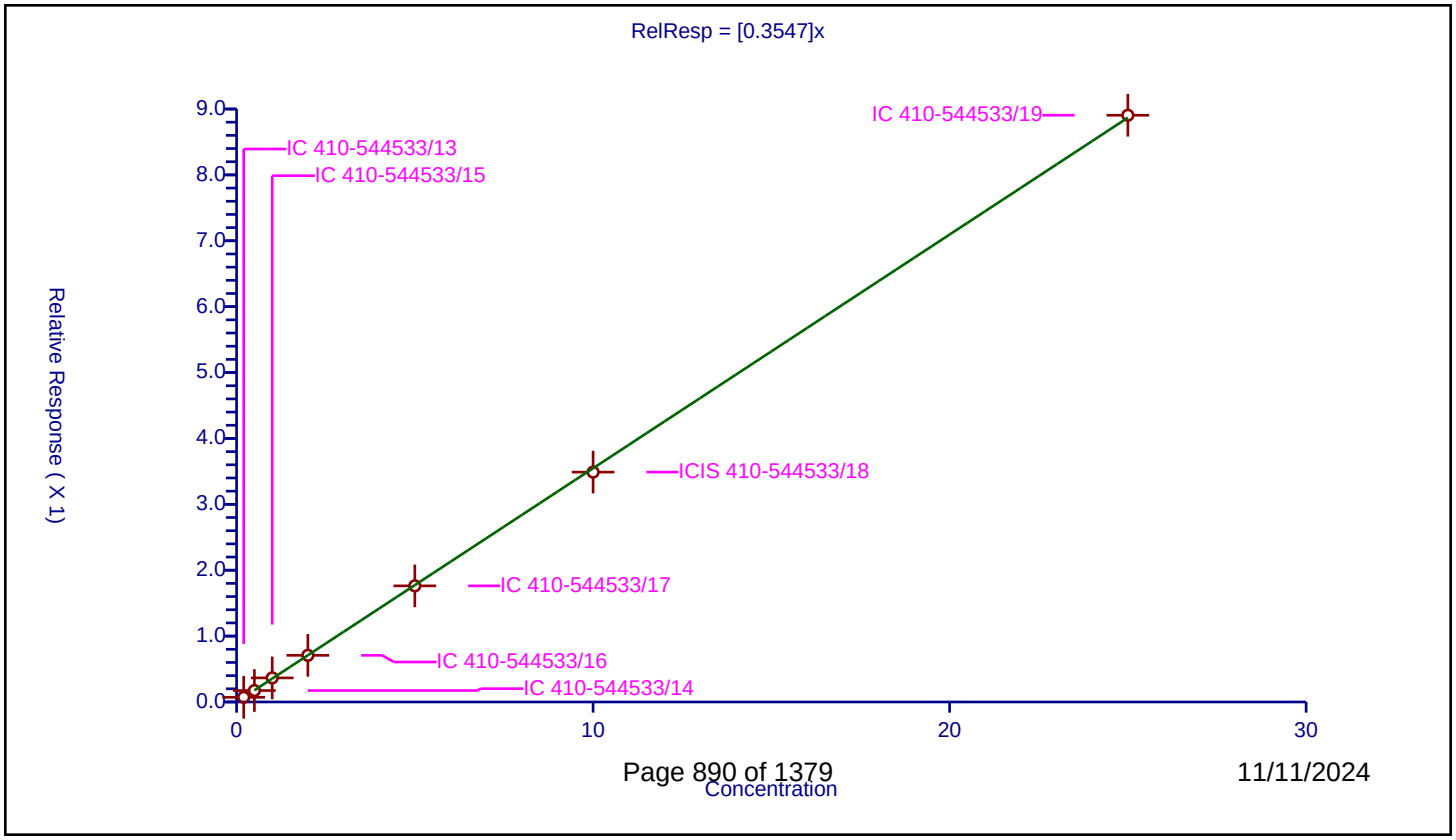
Curve Coefficients

Intercept:	0
Slope:	0.3547

Error Coefficients

Relative Standard Deviation:	1.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	0.2	0.071597	10.0	2188649.0	0.357983	Y
2	IC 410-544533/14	0.5	0.17389	10.0	2144225.0	0.347781	Y
3	IC 410-544533/15	1.0	0.365676	10.0	2145015.0	0.365676	Y
4	IC 410-544533/16	2.0	0.708142	10.0	2188388.0	0.354071	Y
5	IC 410-544533/17	5.0	1.762565	10.0	2145890.0	0.352513	Y
6	ICIS 410-544533/18	10.0	3.488947	10.0	2209380.0	0.348895	Y
7	IC 410-544533/19	25.0	8.905246	10.0	2128835.0	0.35621	Y



Calibration / Dibromofluoromethane (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

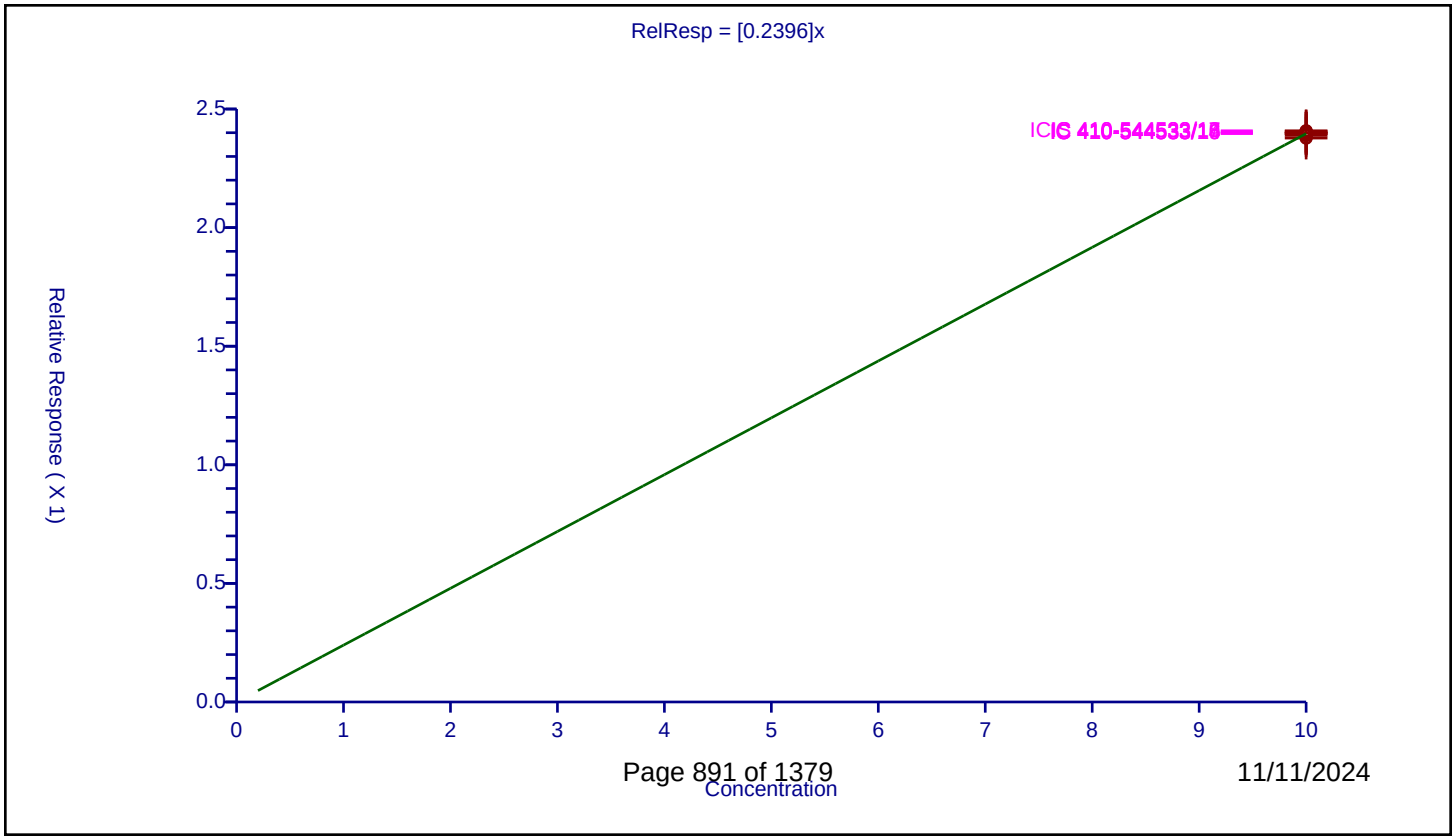
Curve Coefficients

Intercept:	0
Slope:	0.2396

Error Coefficients

Relative Standard Deviation:	0.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	10.0	2.377426	10.0	2188649.0	0.237743	Y
2	IC 410-544533/14	10.0	2.397948	10.0	2144225.0	0.239795	Y
3	IC 410-544533/15	10.0	2.388617	10.0	2145015.0	0.238862	Y
4	IC 410-544533/16	10.0	2.398053	10.0	2188388.0	0.239805	Y
5	IC 410-544533/17	10.0	2.404727	10.0	2145890.0	0.240473	Y
6	ICIS 410-544533/18	10.0	2.408264	10.0	2209380.0	0.240826	Y
7	IC 410-544533/19	10.0	2.397128	10.0	2128835.0	0.239713	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

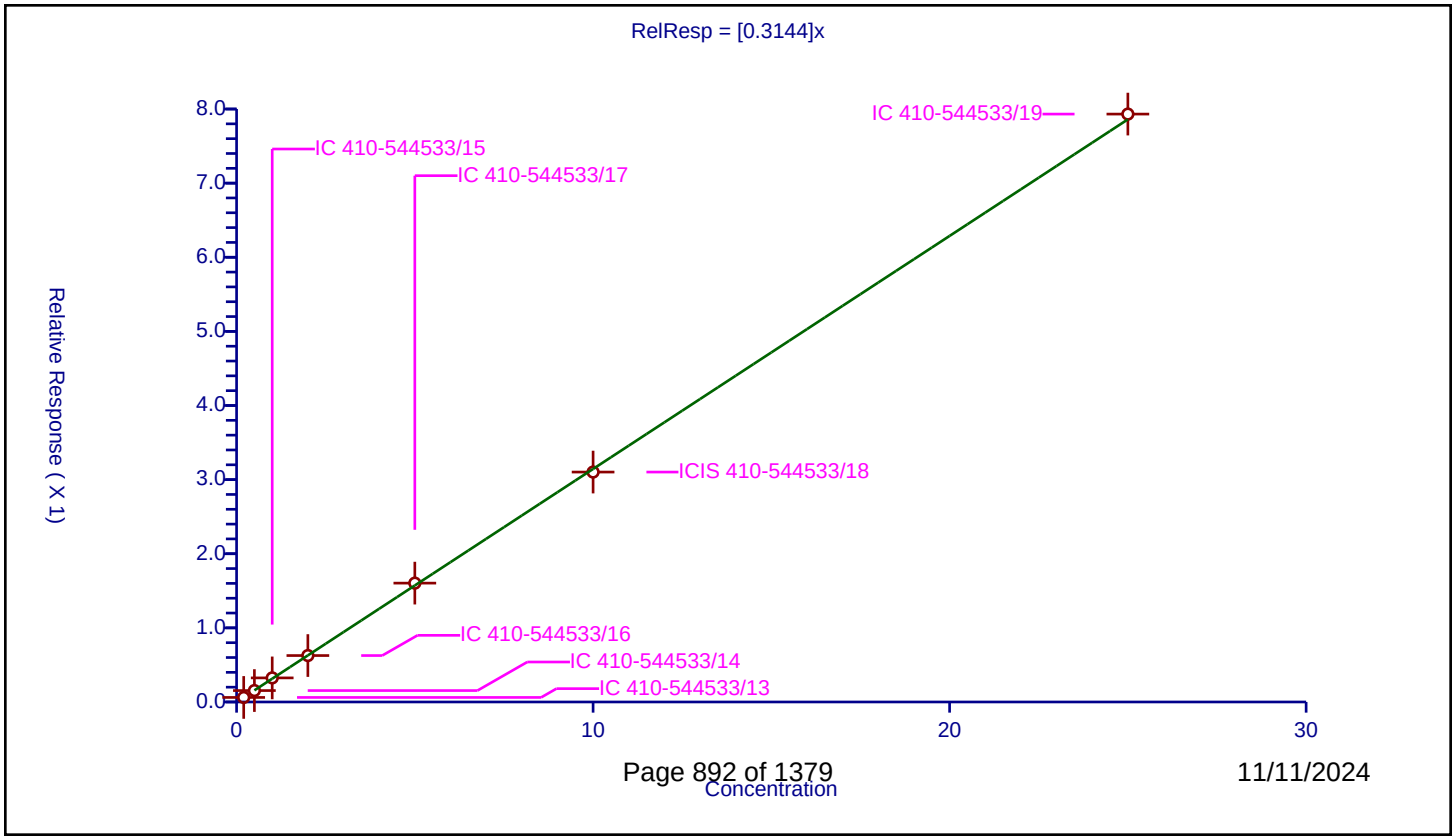
Curve Coefficients

Intercept:	0
Slope:	0.3144

Error Coefficients

Relative Standard Deviation:	2.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	0.2	0.061248	10.0	2188649.0	0.306239	Y
2	IC 410-544533/14	0.5	0.15414	10.0	2144225.0	0.308279	Y
3	IC 410-544533/15	1.0	0.324893	10.0	2145015.0	0.324893	Y
4	IC 410-544533/16	2.0	0.626406	10.0	2188388.0	0.313203	Y
5	IC 410-544533/17	5.0	1.603647	10.0	2145890.0	0.320729	Y
6	ICIS 410-544533/18	10.0	3.101934	10.0	2209380.0	0.310193	Y
7	IC 410-544533/19	25.0	7.931578	10.0	2128835.0	0.317263	Y



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Calibration / Cyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

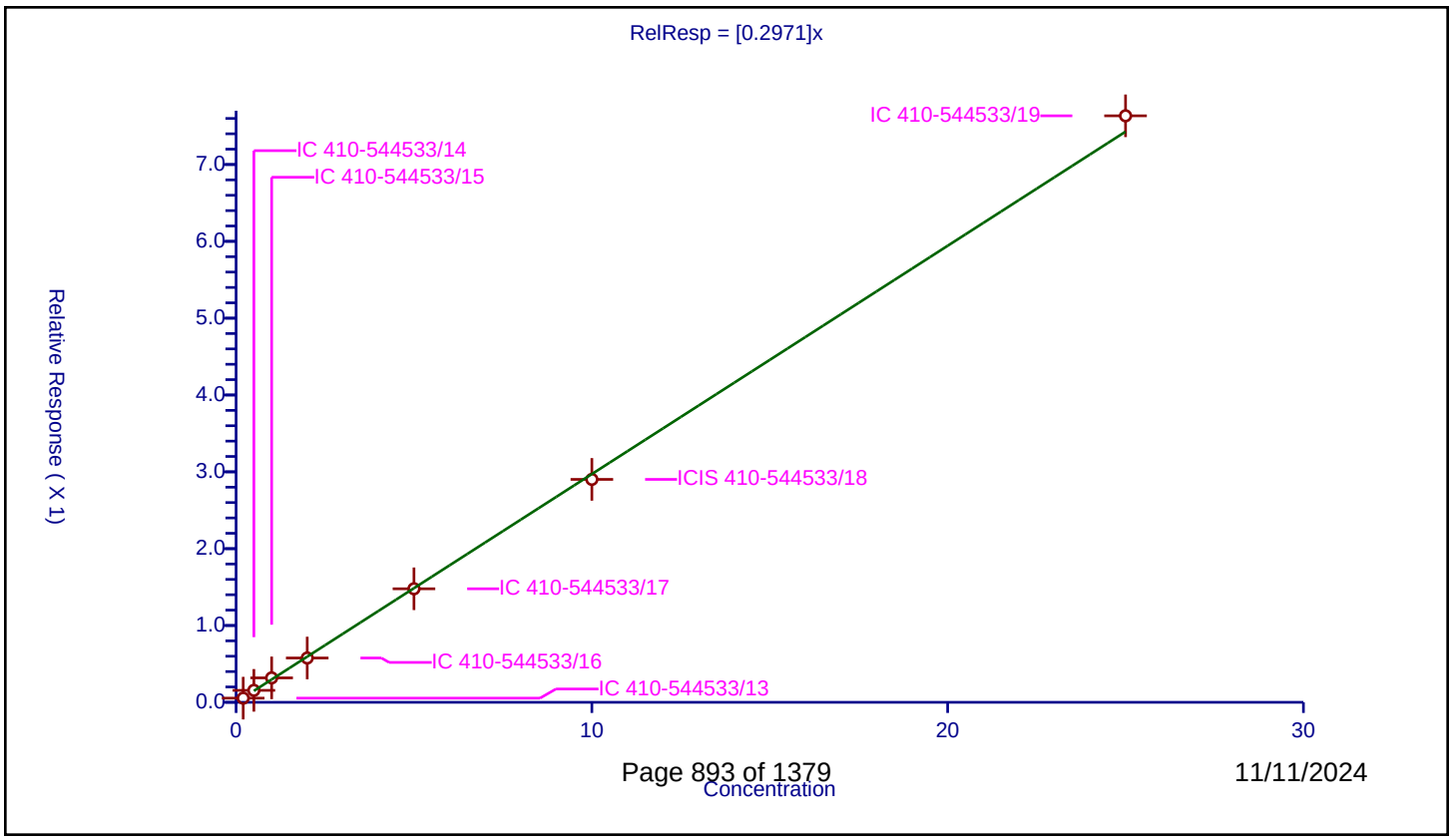
Curve Coefficients

Intercept:	0
Slope:	0.2971

Error Coefficients

Relative Standard Deviation:	5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	0.2	0.054266	10.0	2188649.0	0.271332	Y
2	IC 410-544533/14	0.5	0.155543	10.0	2144225.0	0.311087	Y
3	IC 410-544533/15	1.0	0.317923	10.0	2145015.0	0.317923	Y
4	IC 410-544533/16	2.0	0.576662	10.0	2188388.0	0.288331	Y
5	IC 410-544533/17	5.0	1.477895	10.0	2145890.0	0.295579	Y
6	ICIS 410-544533/18	10.0	2.901484	10.0	2209380.0	0.290148	Y
7	IC 410-544533/19	25.0	7.634213	10.0	2128835.0	0.305369	Y



Calibration / Carbon tetrachloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

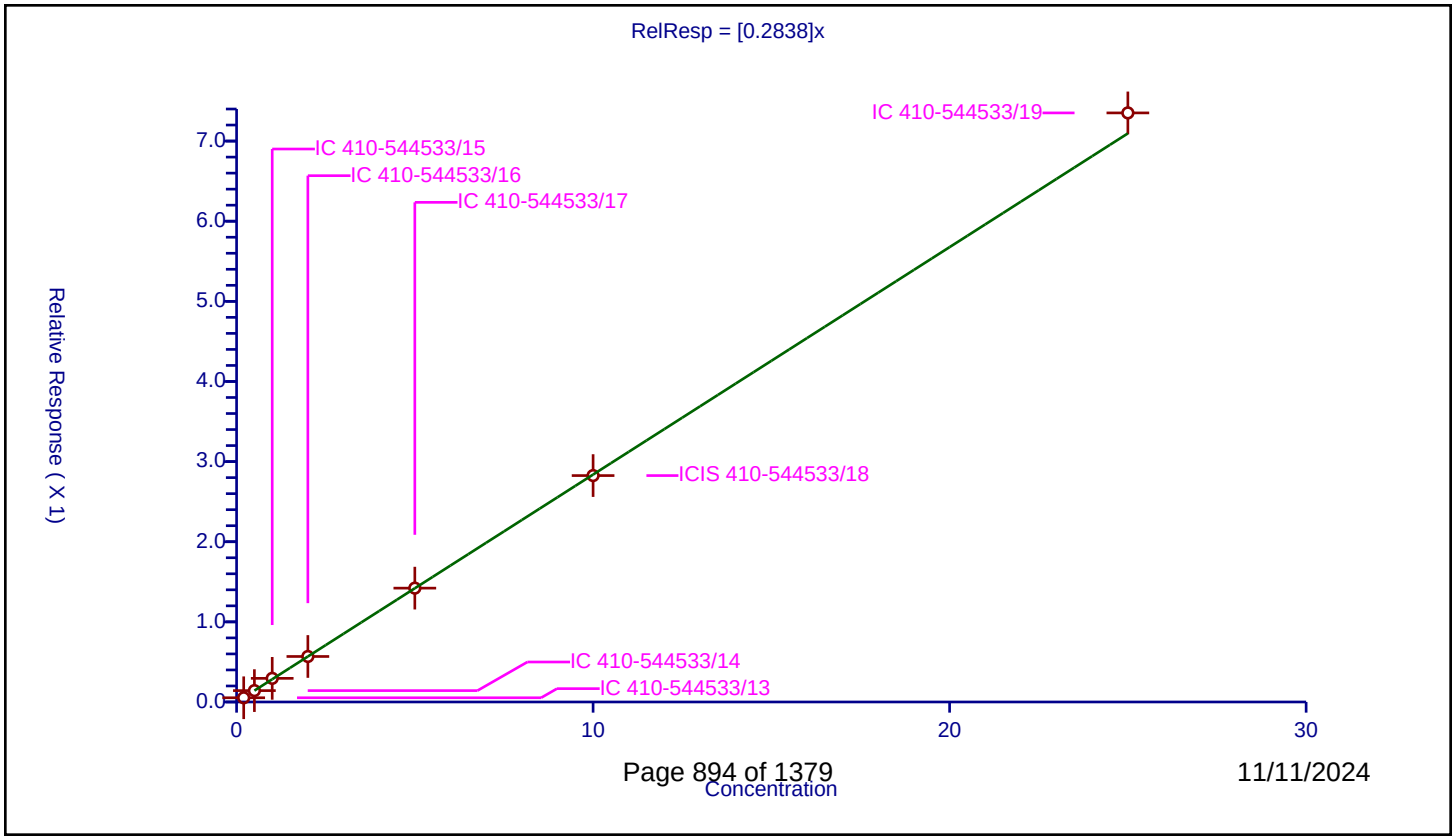
Curve Coefficients

Intercept:	0
Slope:	0.2838

Error Coefficients

Relative Standard Deviation:	3.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	0.2	0.052667	10.0	2188649.0	0.263336	Y
2	IC 410-544533/14	0.5	0.141767	10.0	2144225.0	0.283534	Y
3	IC 410-544533/15	1.0	0.295098	10.0	2145015.0	0.295098	Y
4	IC 410-544533/16	2.0	0.568016	10.0	2188388.0	0.284008	Y
5	IC 410-544533/17	5.0	1.42094	10.0	2145890.0	0.284188	Y
6	ICIS 410-544533/18	10.0	2.825598	10.0	2209380.0	0.28256	Y
7	IC 410-544533/19	25.0	7.351382	10.0	2128835.0	0.294055	Y



Calibration / 1,1-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

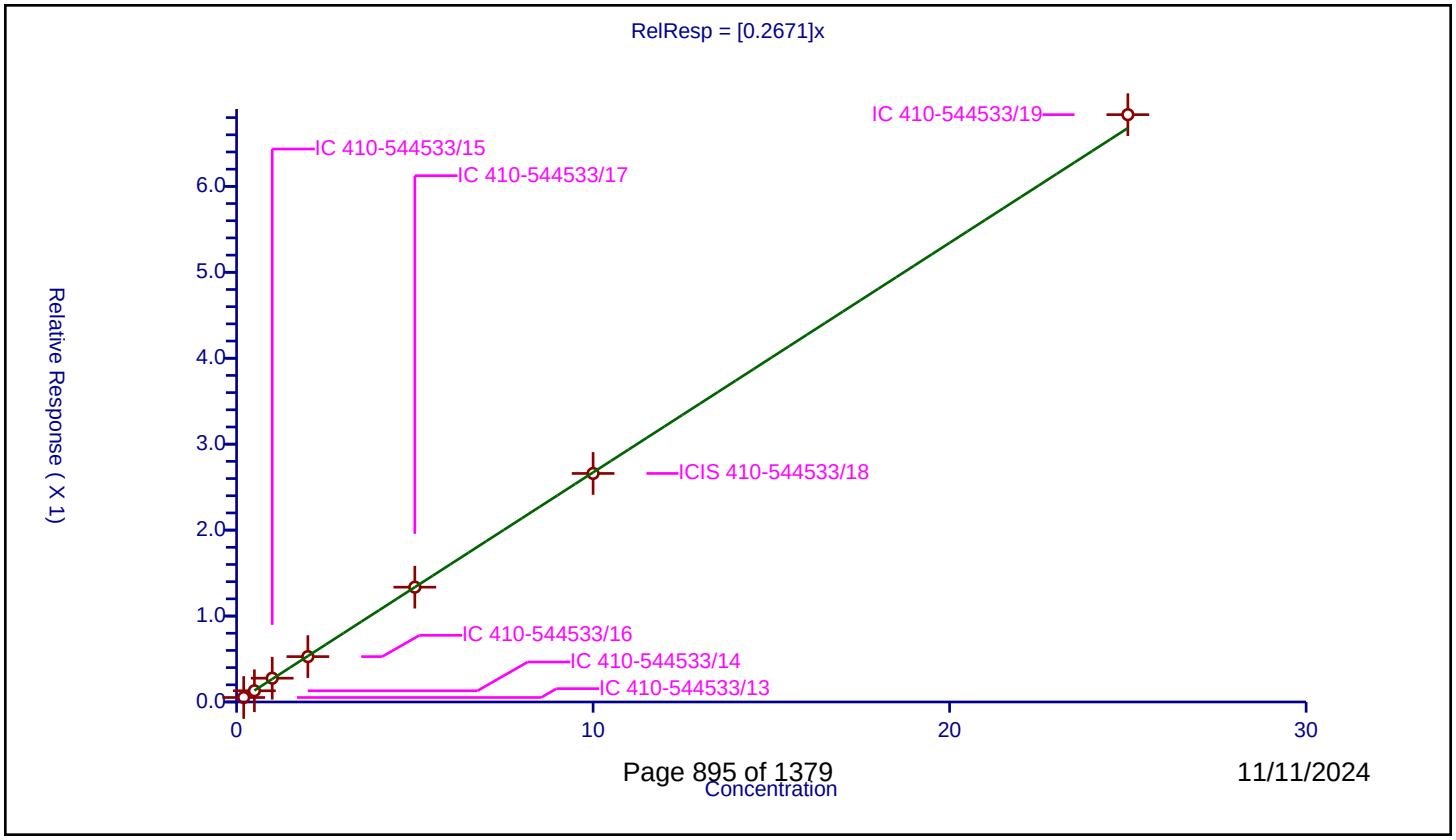
Curve Coefficients

Intercept:	0
Slope:	0.2671

Error Coefficients

Relative Standard Deviation:	2.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	0.2	0.052343	10.0	2188649.0	0.261714	Y
2	IC 410-544533/14	0.5	0.13035	10.0	2144225.0	0.2607	Y
3	IC 410-544533/15	1.0	0.276963	10.0	2145015.0	0.276963	Y
4	IC 410-544533/16	2.0	0.528083	10.0	2188388.0	0.264041	Y
5	IC 410-544533/17	5.0	1.335893	10.0	2145890.0	0.267179	Y
6	ICIS 410-544533/18	10.0	2.659493	10.0	2209380.0	0.265949	Y
7	IC 410-544533/19	25.0	6.834527	10.0	2128835.0	0.273381	Y



Calibration / Isobutyl alcohol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

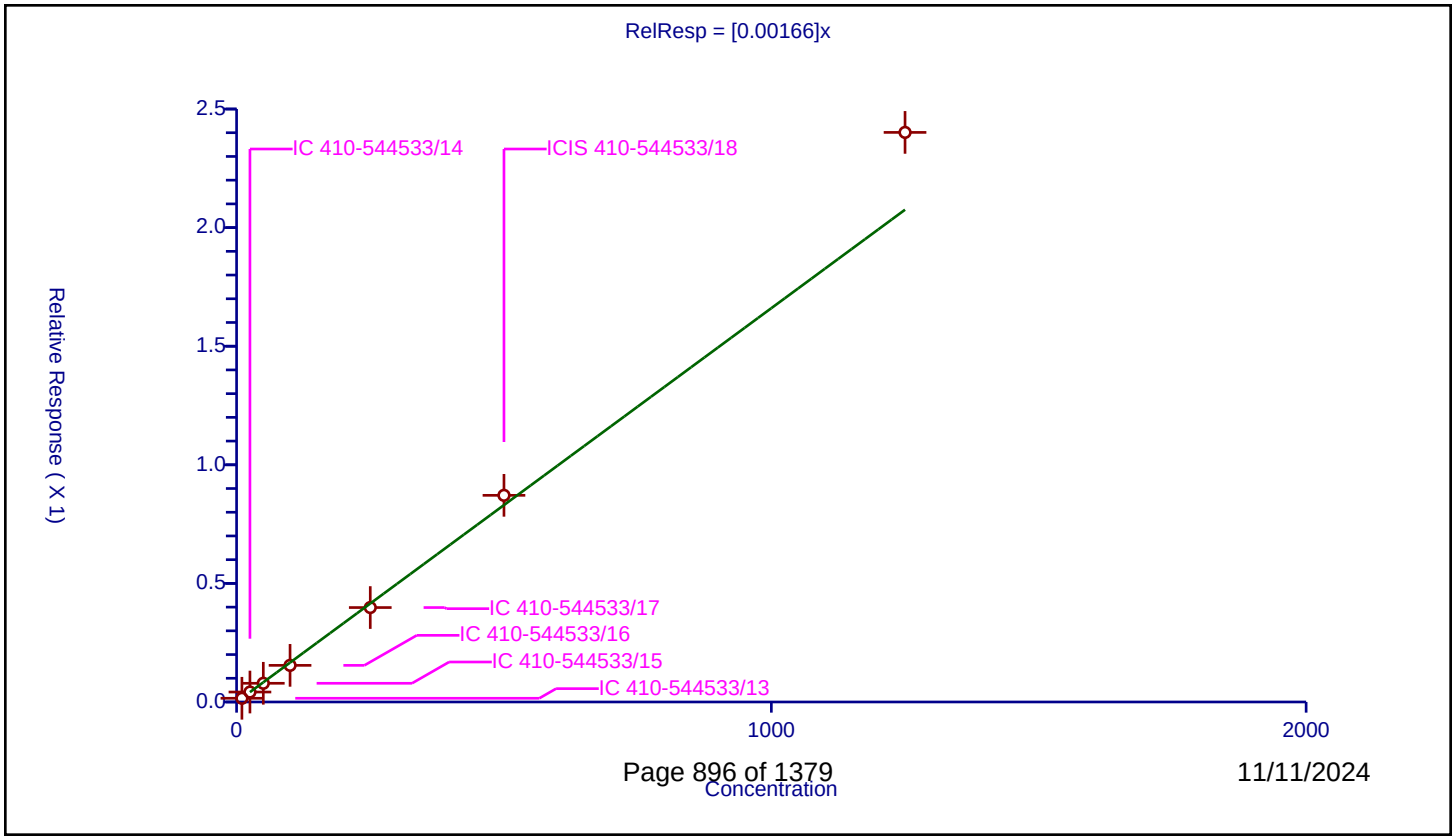
Curve Coefficients

Intercept:	0
Slope:	0.00166

Error Coefficients

Relative Standard Deviation:	8.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	10.0	0.015658	10.0	2188649.0	0.001566	Y
2	IC 410-544533/14	25.0	0.041955	10.0	2144225.0	0.001678	Y
3	IC 410-544533/15	50.0	0.078909	10.0	2145015.0	0.001578	Y
4	IC 410-544533/16	100.0	0.15442	10.0	2188388.0	0.001544	Y
5	IC 410-544533/17	250.0	0.398133	10.0	2145890.0	0.001593	Y
6	ICIS 410-544533/18	500.0	0.871263	10.0	2209380.0	0.001743	Y
7	IC 410-544533/19	1250.0	2.401398	10.0	2128835.0	0.001921	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

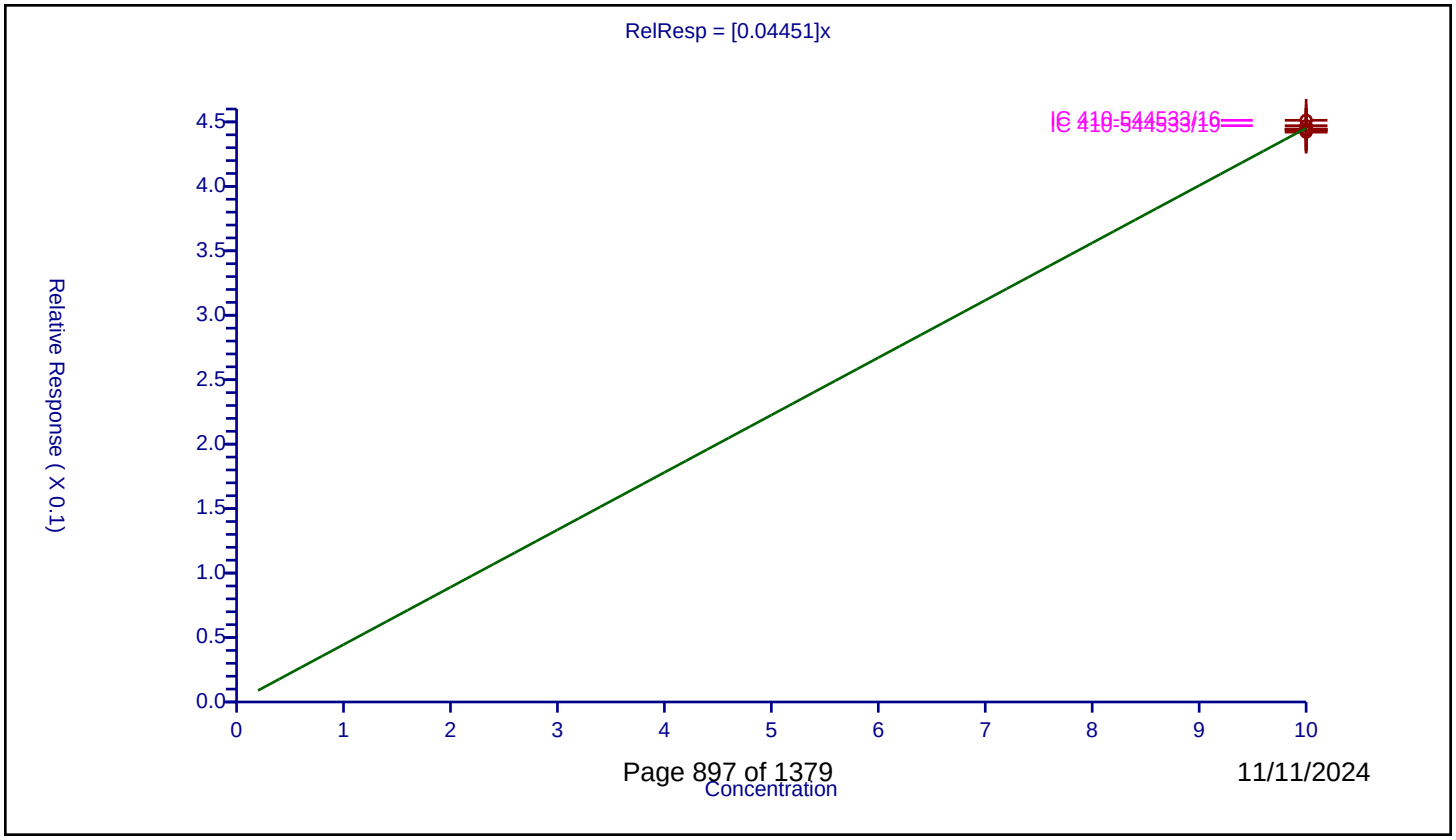
Curve Coefficients

Intercept:	0
Slope:	0.04451

Error Coefficients

Relative Standard Deviation:	0.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	10.0	0.444068	10.0	2188649.0	0.044407	Y
2	IC 410-544533/14	10.0	0.444179	10.0	2144225.0	0.044418	Y
3	IC 410-544533/15	10.0	0.442887	10.0	2145015.0	0.044289	Y
4	IC 410-544533/16	10.0	0.45125	10.0	2188388.0	0.045125	Y
5	IC 410-544533/17	10.0	0.44204	10.0	2145890.0	0.044204	Y
6	ICIS 410-544533/18	10.0	0.444536	10.0	2209380.0	0.044454	Y
7	IC 410-544533/19	10.0	0.447076	10.0	2128835.0	0.044708	Y



Calibration / Benzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

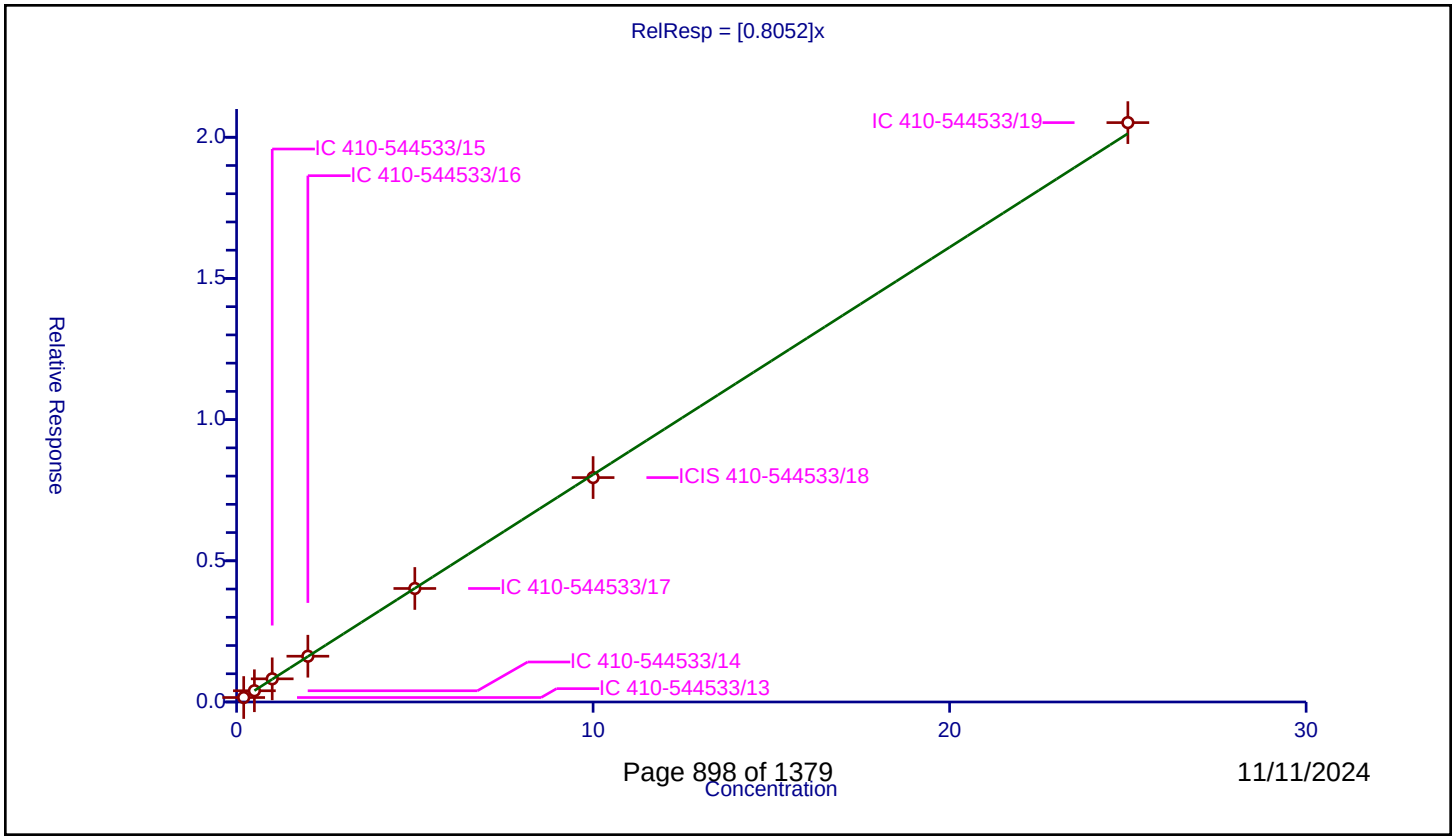
Curve Coefficients

Intercept:	0
Slope:	0.8052

Error Coefficients

Relative Standard Deviation:	1.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	0.2	0.158216	10.0	2188649.0	0.791082	Y
2	IC 410-544533/14	0.5	0.397757	10.0	2144225.0	0.795514	Y
3	IC 410-544533/15	1.0	0.81998	10.0	2145015.0	0.81998	Y
4	IC 410-544533/16	2.0	1.621193	10.0	2188388.0	0.810597	Y
5	IC 410-544533/17	5.0	4.019773	10.0	2145890.0	0.803955	Y
6	ICIS 410-544533/18	10.0	7.947949	10.0	2209380.0	0.794795	Y
7	IC 410-544533/19	25.0	20.517903	10.0	2128835.0	0.820716	Y



Calibration / 1,2-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

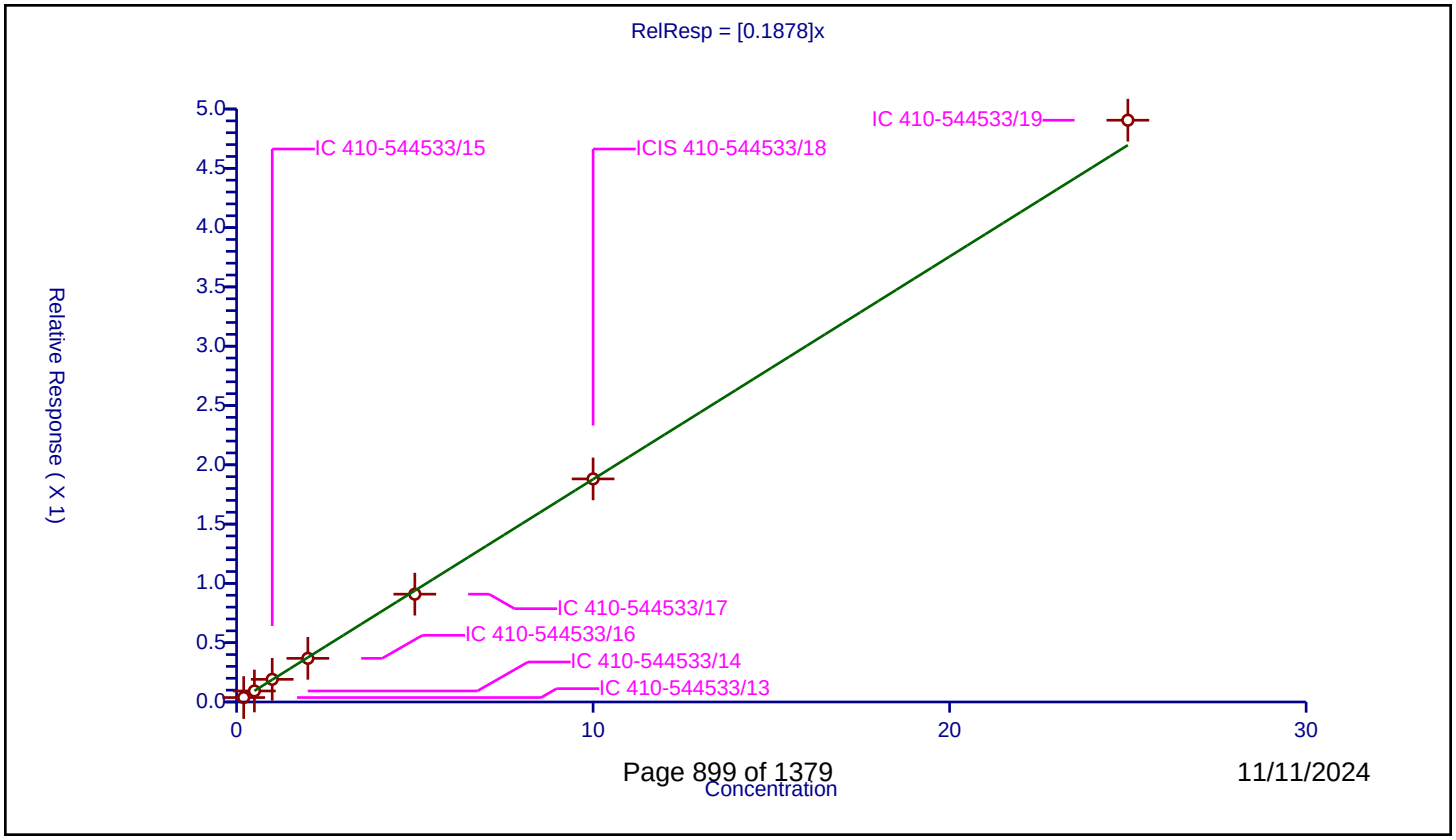
Curve Coefficients

Intercept:	0
Slope:	0.1878

Error Coefficients

Relative Standard Deviation:	2.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	0.2	0.037525	10.0	2188649.0	0.187627	Y
2	IC 410-544533/14	0.5	0.092952	10.0	2144225.0	0.185904	Y
3	IC 410-544533/15	1.0	0.190987	10.0	2145015.0	0.190987	Y
4	IC 410-544533/16	2.0	0.368047	10.0	2188388.0	0.184024	Y
5	IC 410-544533/17	5.0	0.90924	10.0	2145890.0	0.181848	Y
6	ICIS 410-544533/18	10.0	1.881012	10.0	2209380.0	0.188101	Y
7	IC 410-544533/19	25.0	4.905528	10.0	2128835.0	0.196221	Y



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Calibration / Tert-amyl methyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

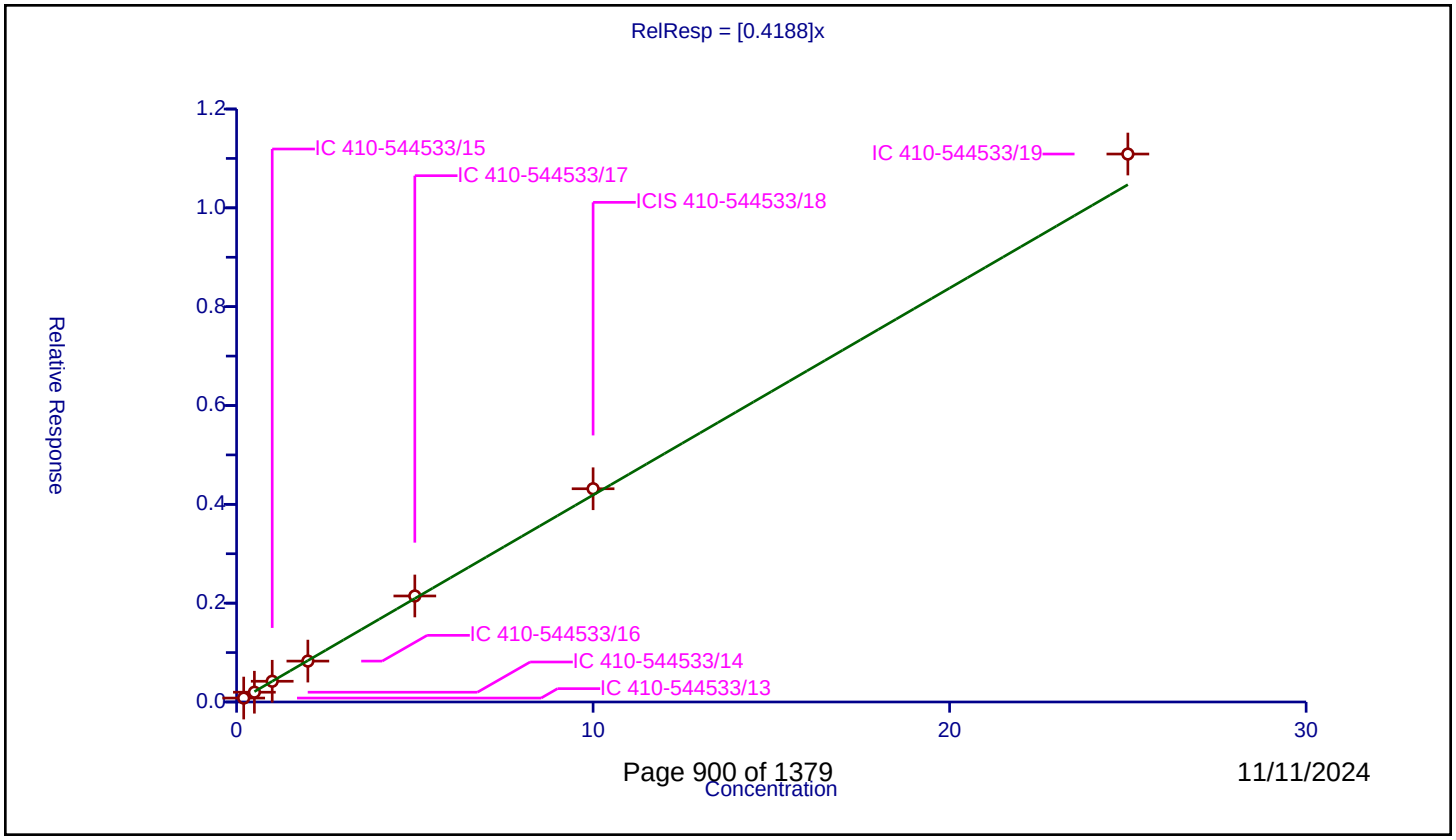
Curve Coefficients

Intercept:	0
Slope:	0.4188

Error Coefficients

Relative Standard Deviation:	4.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	0.2	0.07956	10.0	2188649.0	0.397802	Y
2	IC 410-544533/14	0.5	0.19802	10.0	2144225.0	0.396041	Y
3	IC 410-544533/15	1.0	0.419727	10.0	2145015.0	0.419727	Y
4	IC 410-544533/16	2.0	0.827701	10.0	2188388.0	0.41385	Y
5	IC 410-544533/17	5.0	2.145231	10.0	2145890.0	0.429046	Y
6	ICIS 410-544533/18	10.0	4.315088	10.0	2209380.0	0.431509	Y
7	IC 410-544533/19	25.0	11.088868	10.0	2128835.0	0.443555	Y



Calibration / n-Heptane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

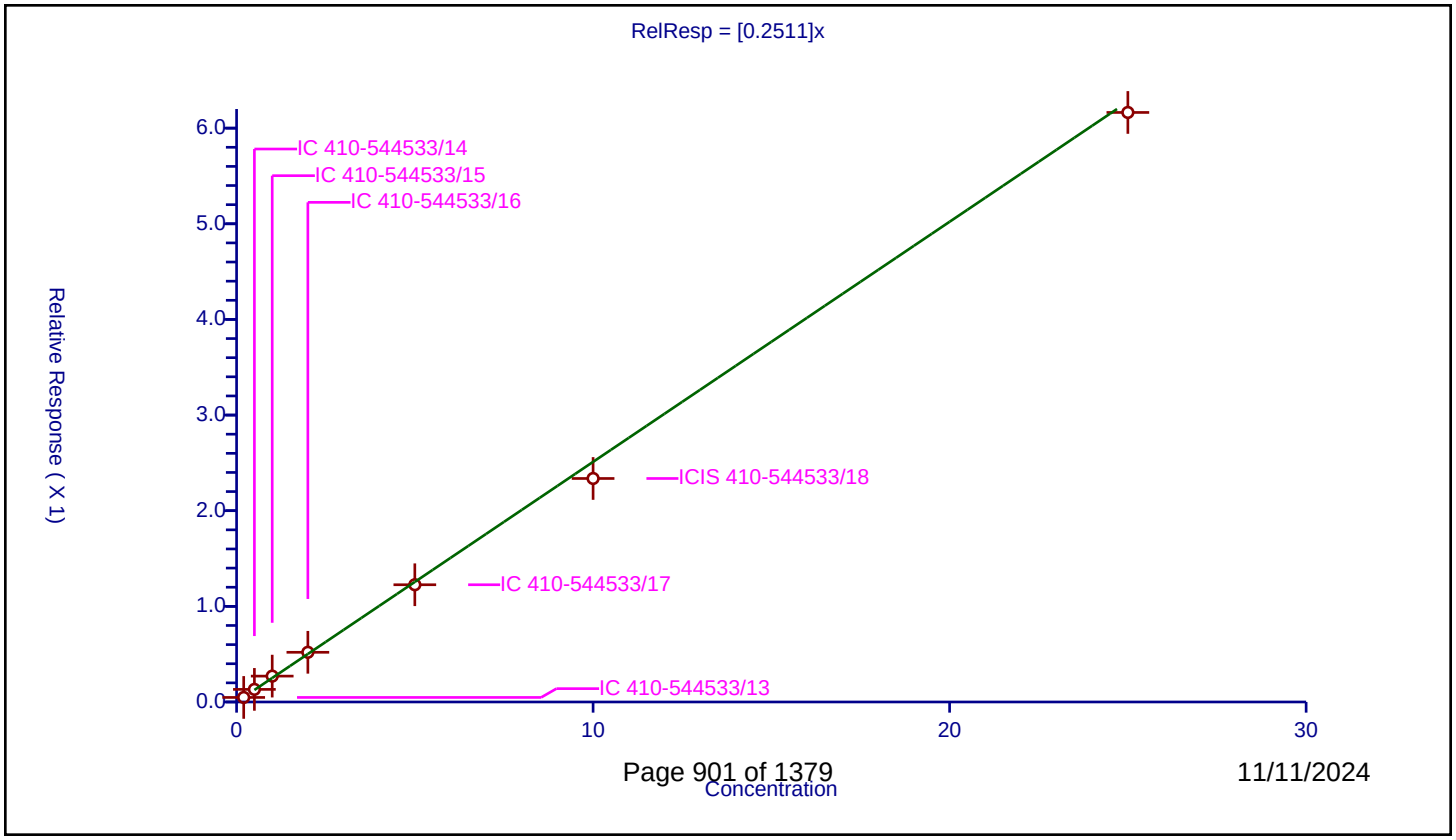
Curve Coefficients

Intercept:	0
Slope:	0.2511

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	0.2	0.047577	10.0	2188649.0	0.237886	Y
2	IC 410-544533/14	0.5	0.131875	10.0	2144225.0	0.26375	Y
3	IC 410-544533/15	1.0	0.270539	10.0	2145015.0	0.270539	Y
4	IC 410-544533/16	2.0	0.519629	10.0	2188388.0	0.259815	Y
5	IC 410-544533/17	5.0	1.225752	10.0	2145890.0	0.24515	Y
6	ICIS 410-544533/18	10.0	2.337	10.0	2209380.0	0.2337	Y
7	IC 410-544533/19	25.0	6.164123	10.0	2128835.0	0.246565	Y



Calibration / n-Butanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

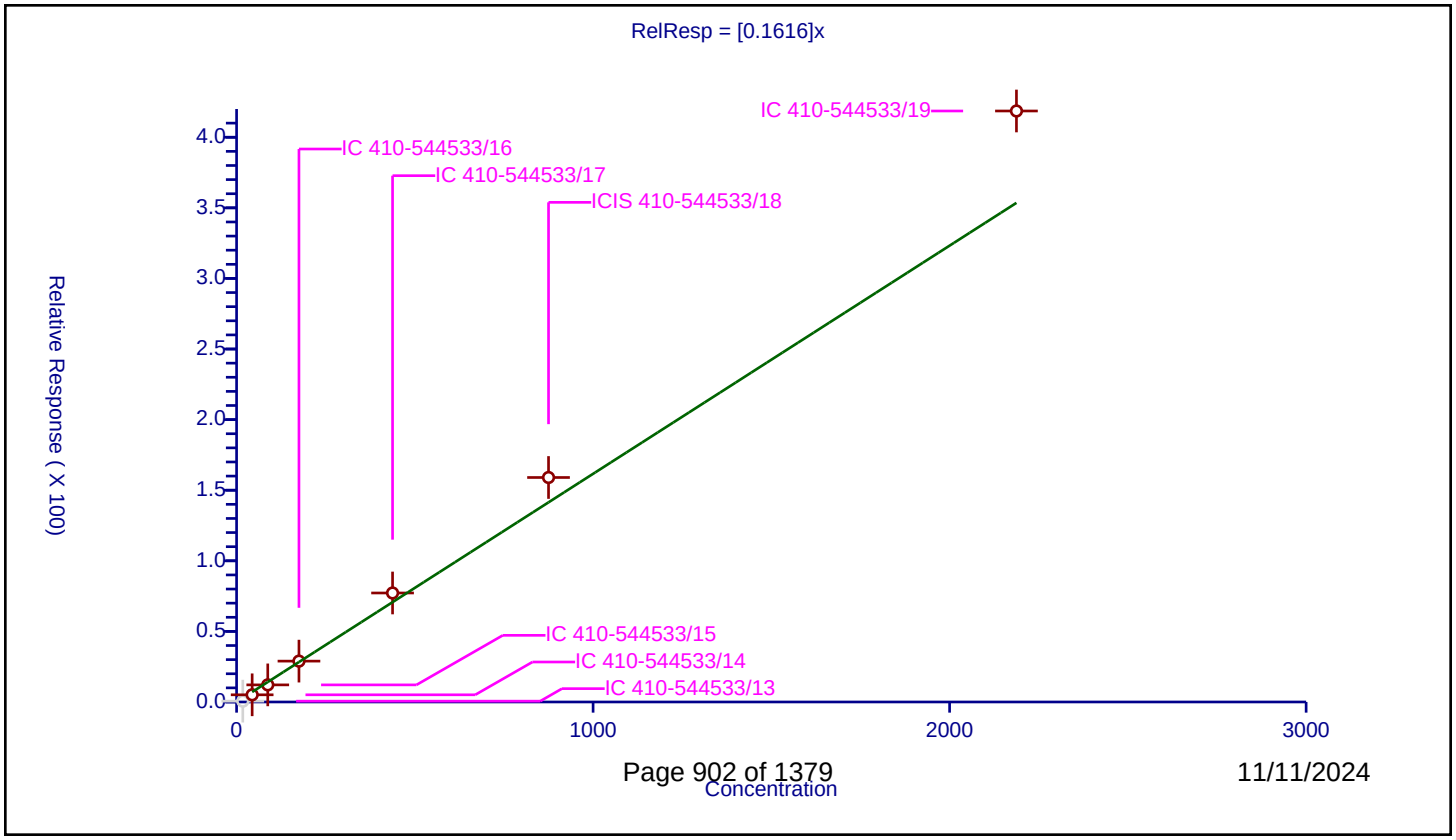
Curve Coefficients

Intercept:	0
Slope:	0.1616

Error Coefficients

Relative Standard Deviation:	17.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	17.5	0.601193	50.0	84665.0	0.034354	N
2	IC 410-544533/14	43.75	5.081719	50.0	81193.0	0.116154	Y
3	IC 410-544533/15	87.5	12.125334	50.0	80872.0	0.138575	Y
4	IC 410-544533/16	175.0	28.949293	50.0	82059.0	0.165425	Y
5	IC 410-544533/17	437.5	77.194856	50.0	83821.0	0.176445	Y
6	ICIS 410-544533/18	875.0	159.001668	50.0	86334.0	0.181716	Y
7	IC 410-544533/19	2187.5	418.598299	50.0	92987.0	0.191359	Y



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Calibration / Trichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

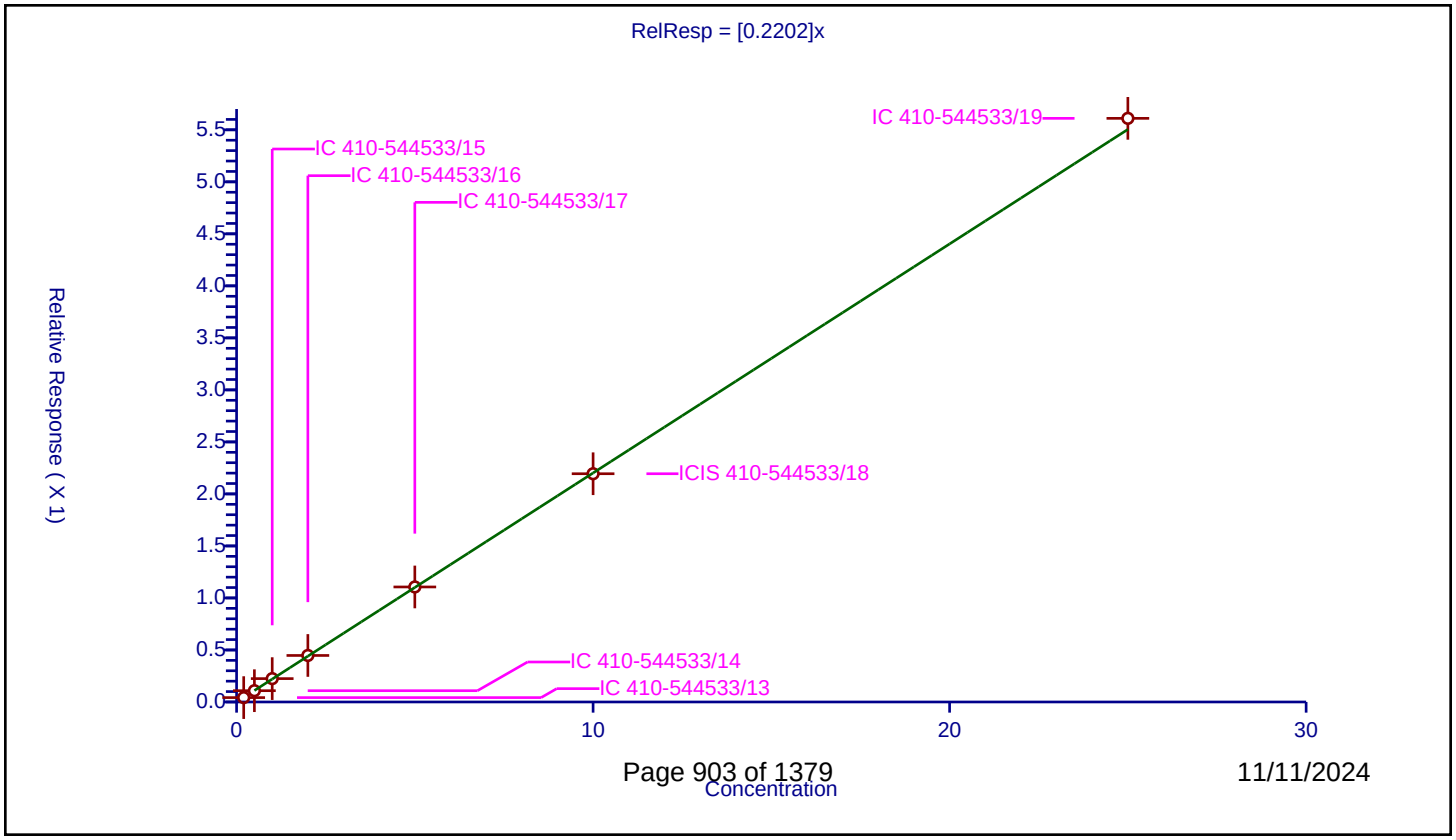
Curve Coefficients

Intercept:	0
Slope:	0.2202

Error Coefficients

Relative Standard Deviation:	2.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	0.2	0.042172	10.0	2188649.0	0.210861	Y
2	IC 410-544533/14	0.5	0.10851	10.0	2144225.0	0.21702	Y
3	IC 410-544533/15	1.0	0.224684	10.0	2145015.0	0.224684	Y
4	IC 410-544533/16	2.0	0.44721	10.0	2188388.0	0.223605	Y
5	IC 410-544533/17	5.0	1.105667	10.0	2145890.0	0.221133	Y
6	ICIS 410-544533/18	10.0	2.194104	10.0	2209380.0	0.21941	Y
7	IC 410-544533/19	25.0	5.610308	10.0	2128835.0	0.224412	Y



Calibration / Methylcyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

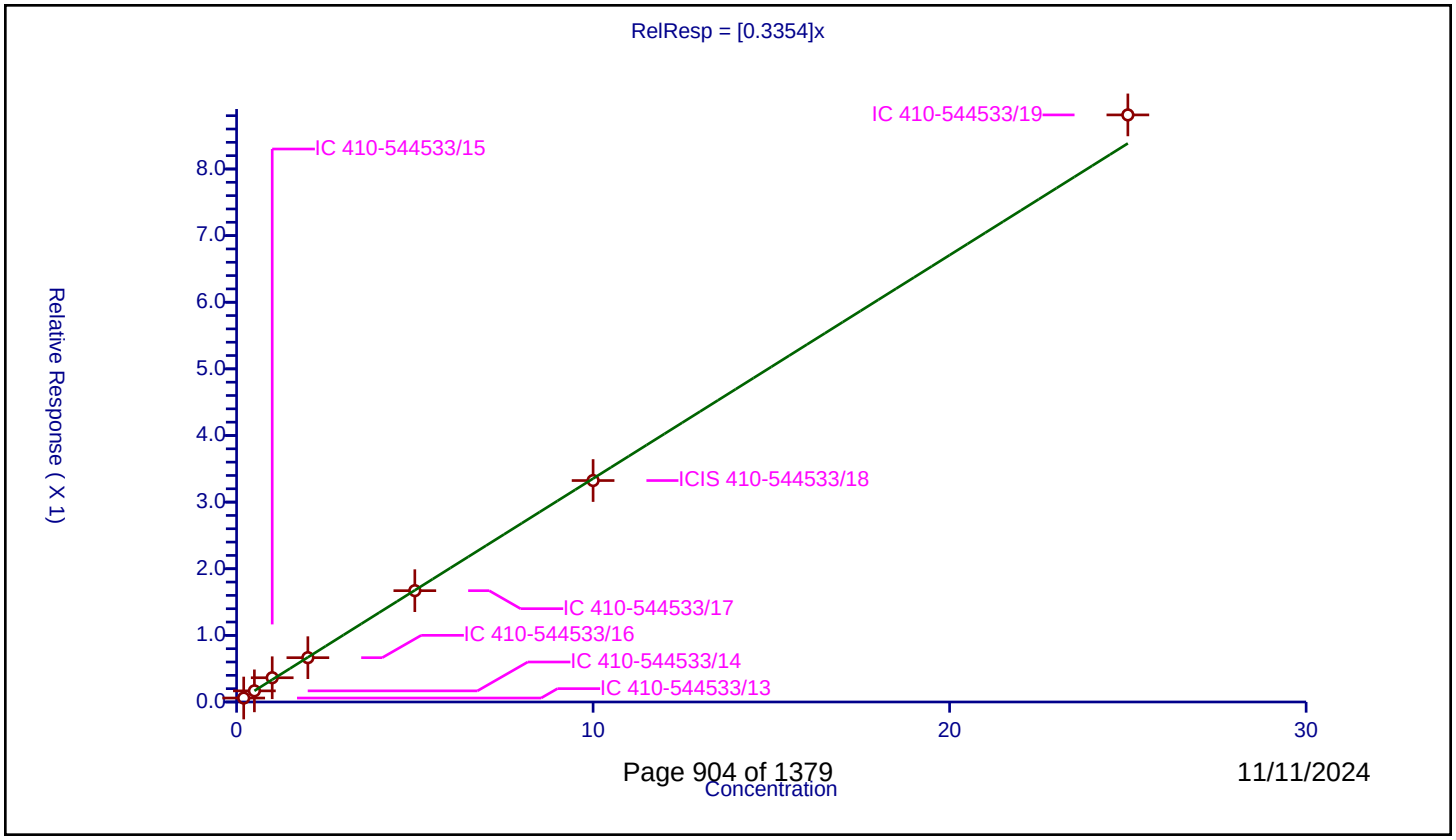
Curve Coefficients

Intercept:	0
Slope:	0.3354

Error Coefficients

Relative Standard Deviation:	6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	0.2	0.059525	10.0	2188649.0	0.297627	Y
2	IC 410-544533/14	0.5	0.167193	10.0	2144225.0	0.334387	Y
3	IC 410-544533/15	1.0	0.364035	10.0	2145015.0	0.364035	Y
4	IC 410-544533/16	2.0	0.664932	10.0	2188388.0	0.332466	Y
5	IC 410-544533/17	5.0	1.670864	10.0	2145890.0	0.334173	Y
6	ICIS 410-544533/18	10.0	3.323756	10.0	2209380.0	0.332376	Y
7	IC 410-544533/19	25.0	8.811608	10.0	2128835.0	0.352464	Y



Calibration / 1,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

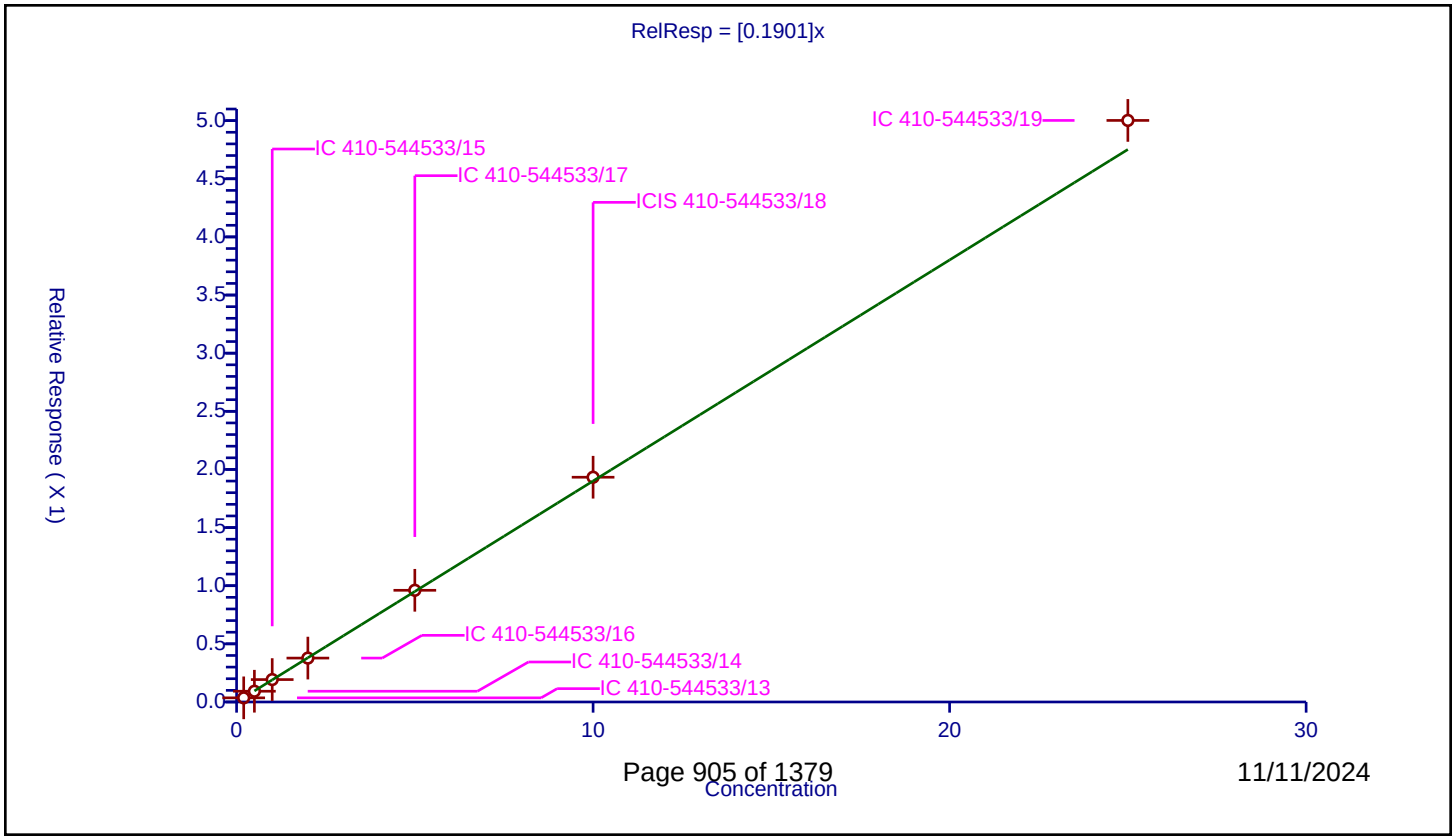
Curve Coefficients

Intercept:	0
Slope:	0.1901

Error Coefficients

Relative Standard Deviation:	3.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	0.2	0.035689	10.0	2188649.0	0.178443	Y
2	IC 410-544533/14	0.5	0.092537	10.0	2144225.0	0.185074	Y
3	IC 410-544533/15	1.0	0.192773	10.0	2145015.0	0.192773	Y
4	IC 410-544533/16	2.0	0.377561	10.0	2188388.0	0.188781	Y
5	IC 410-544533/17	5.0	0.960753	10.0	2145890.0	0.192151	Y
6	ICIS 410-544533/18	10.0	1.933022	10.0	2209380.0	0.193302	Y
7	IC 410-544533/19	25.0	5.001877	10.0	2128835.0	0.200075	Y



11/11/2024

Calibration / 1,4-Dioxane

Curve Type:	Linear
Weighting:	None
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

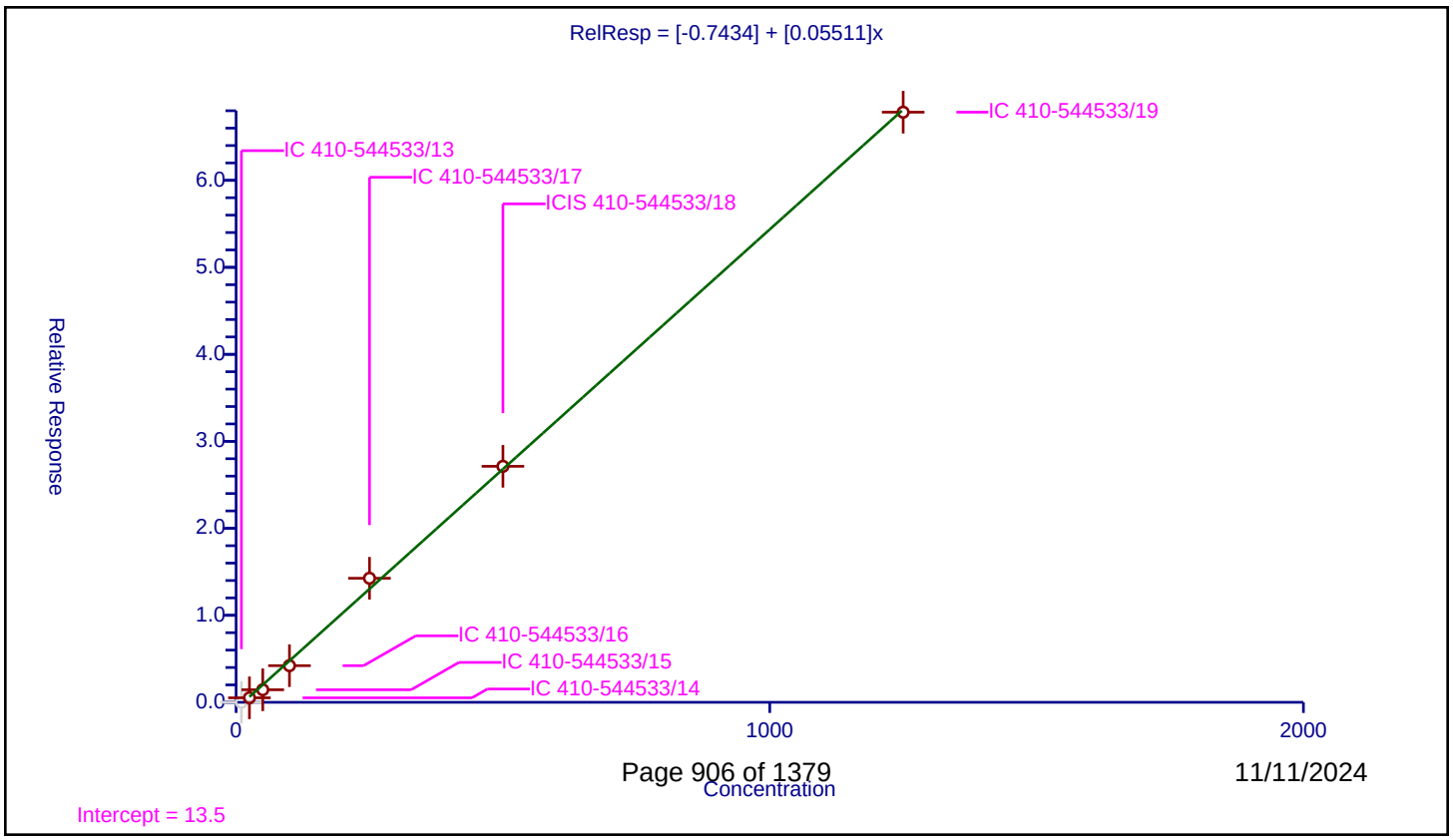
Curve Coefficients

Intercept:	-0.7434
Slope:	0.05511

Error Coefficients

Relative Standard Deviation:	13.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	10.0	0.0	50.0	84665.0	0.0	N
2	IC 410-544533/14	25.0	0.516054	50.0	81193.0	0.020642	Y
3	IC 410-544533/15	50.0	1.441785	50.0	80872.0	0.028836	Y
4	IC 410-544533/16	100.0	4.211604	50.0	82059.0	0.042116	Y
5	IC 410-544533/17	250.0	14.261343	50.0	83821.0	0.057045	Y
6	ICIS 410-544533/18	500.0	27.128362	50.0	86334.0	0.054257	Y
7	IC 410-544533/19	1250.0	67.834213	50.0	92987.0	0.054267	Y



Calibration / Dibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

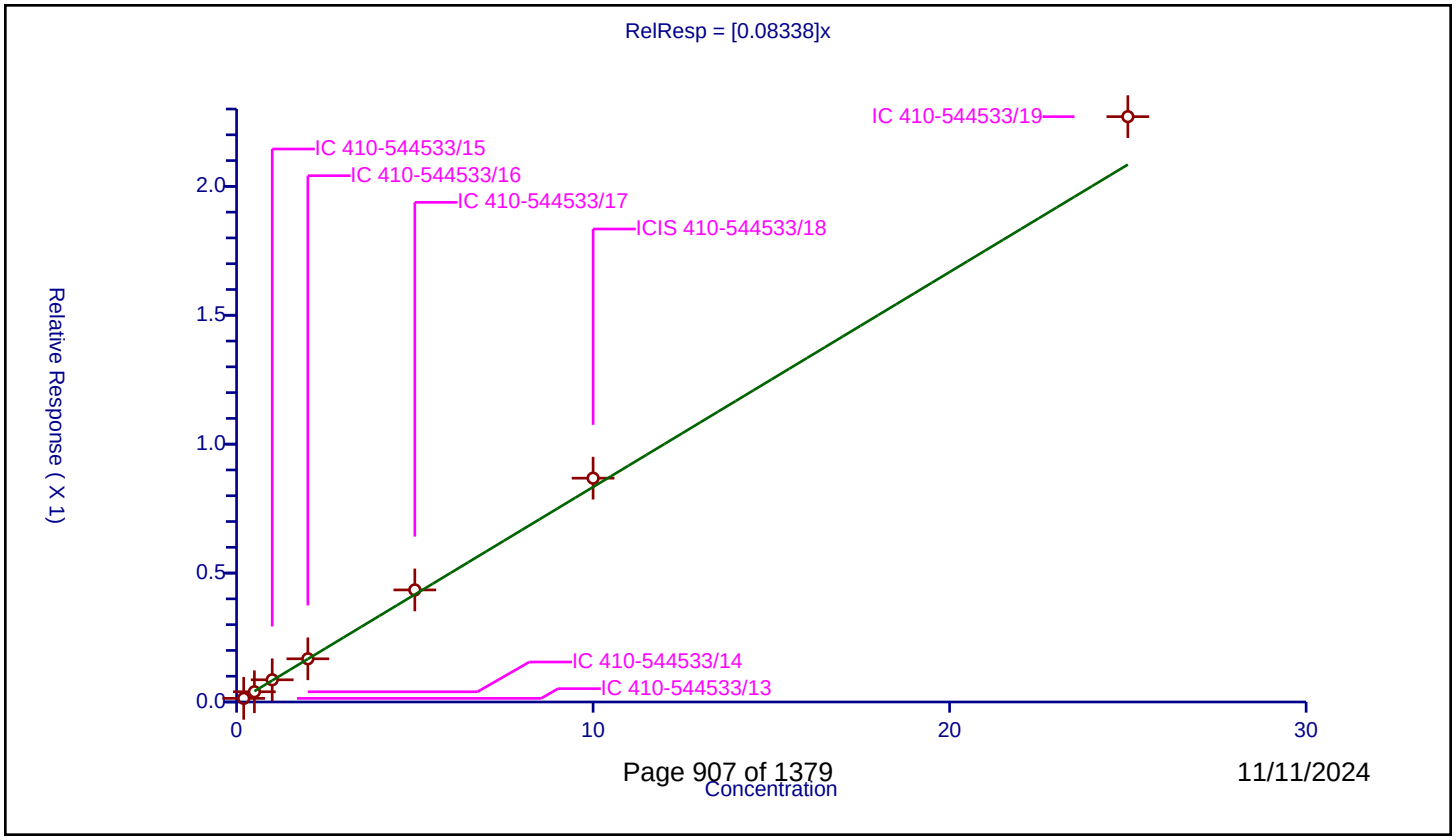
Curve Coefficients

Intercept:	0
Slope:	0.08338

Error Coefficients

Relative Standard Deviation:	8.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	0.2	0.013972	10.0	2188649.0	0.06986	Y
2	IC 410-544533/14	0.5	0.039688	10.0	2144225.0	0.079376	Y
3	IC 410-544533/15	1.0	0.086102	10.0	2145015.0	0.086102	Y
4	IC 410-544533/16	2.0	0.167557	10.0	2188388.0	0.083779	Y
5	IC 410-544533/17	5.0	0.434682	10.0	2145890.0	0.086936	Y
6	ICIS 410-544533/18	10.0	0.868158	10.0	2209380.0	0.086816	Y
7	IC 410-544533/19	25.0	2.270369	10.0	2128835.0	0.090815	Y



11/11/2024

Calibration / Methyl methacrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

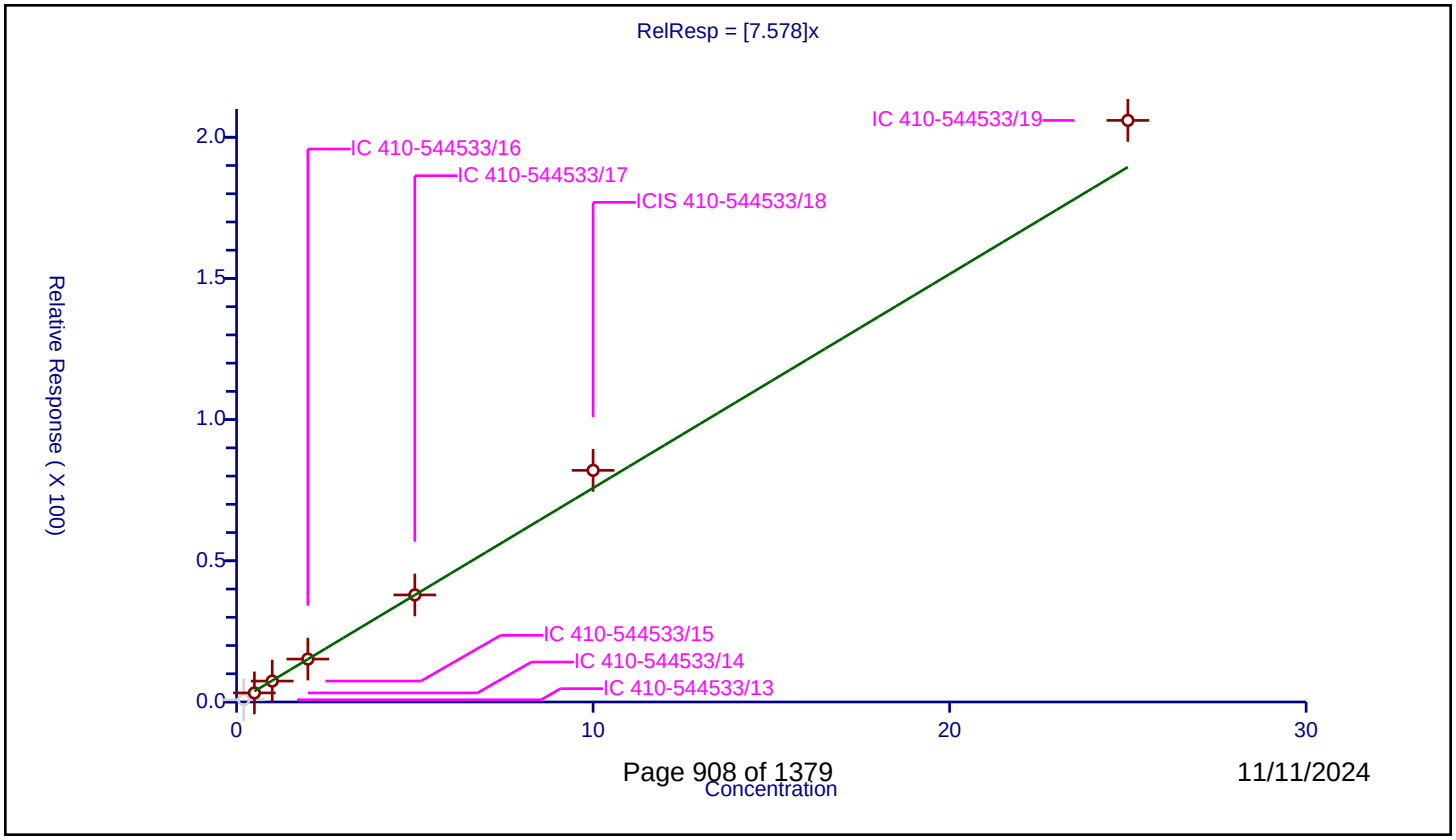
Curve Coefficients

Intercept:	0
Slope:	7.578

Error Coefficients

Relative Standard Deviation:	8.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	0.2	0.788992	50.0	84665.0	3.94496	N
2	IC 410-544533/14	0.5	3.21641	50.0	81193.0	6.432821	Y
3	IC 410-544533/15	1.0	7.408003	50.0	80872.0	7.408003	Y
4	IC 410-544533/16	2.0	15.19943	50.0	82059.0	7.599715	Y
5	IC 410-544533/17	5.0	37.914723	50.0	83821.0	7.582945	Y
6	ICIS 410-544533/18	10.0	82.032571	50.0	86334.0	8.203257	Y
7	IC 410-544533/19	25.0	205.971803	50.0	92987.0	8.238872	Y



Calibration / Dichlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

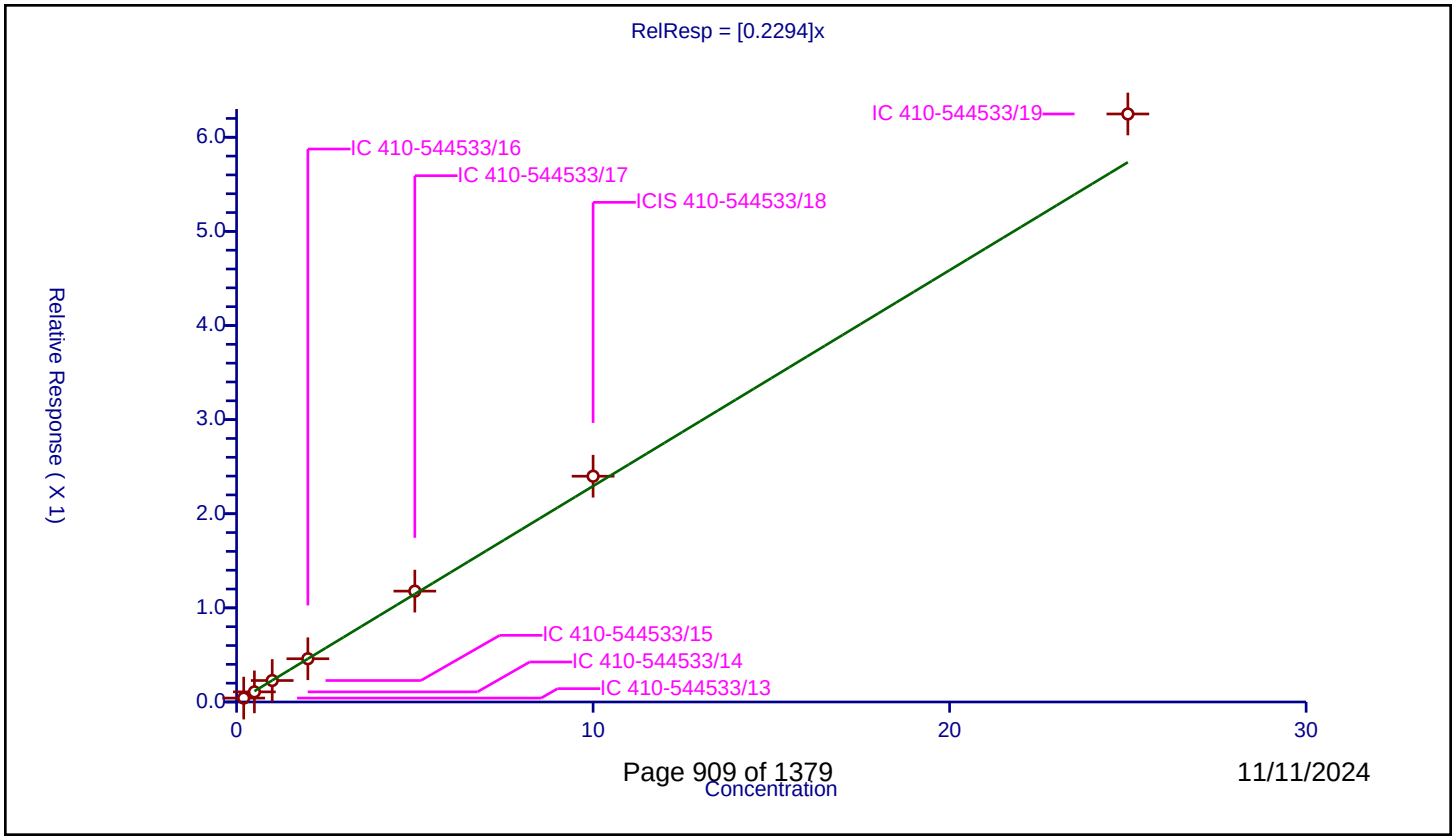
Curve Coefficients

Intercept:	0
Slope:	0.2294

Error Coefficients

Relative Standard Deviation:	6.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	0.2	0.041523	10.0	2188649.0	0.207617	Y
2	IC 410-544533/14	0.5	0.107386	10.0	2144225.0	0.214772	Y
3	IC 410-544533/15	1.0	0.228185	10.0	2145015.0	0.228185	Y
4	IC 410-544533/16	2.0	0.459512	10.0	2188388.0	0.229756	Y
5	IC 410-544533/17	5.0	1.177954	10.0	2145890.0	0.235591	Y
6	ICIS 410-544533/18	10.0	2.39865	10.0	2209380.0	0.239865	Y
7	IC 410-544533/19	25.0	6.247224	10.0	2128835.0	0.249889	Y



Calibration / 2-Nitropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

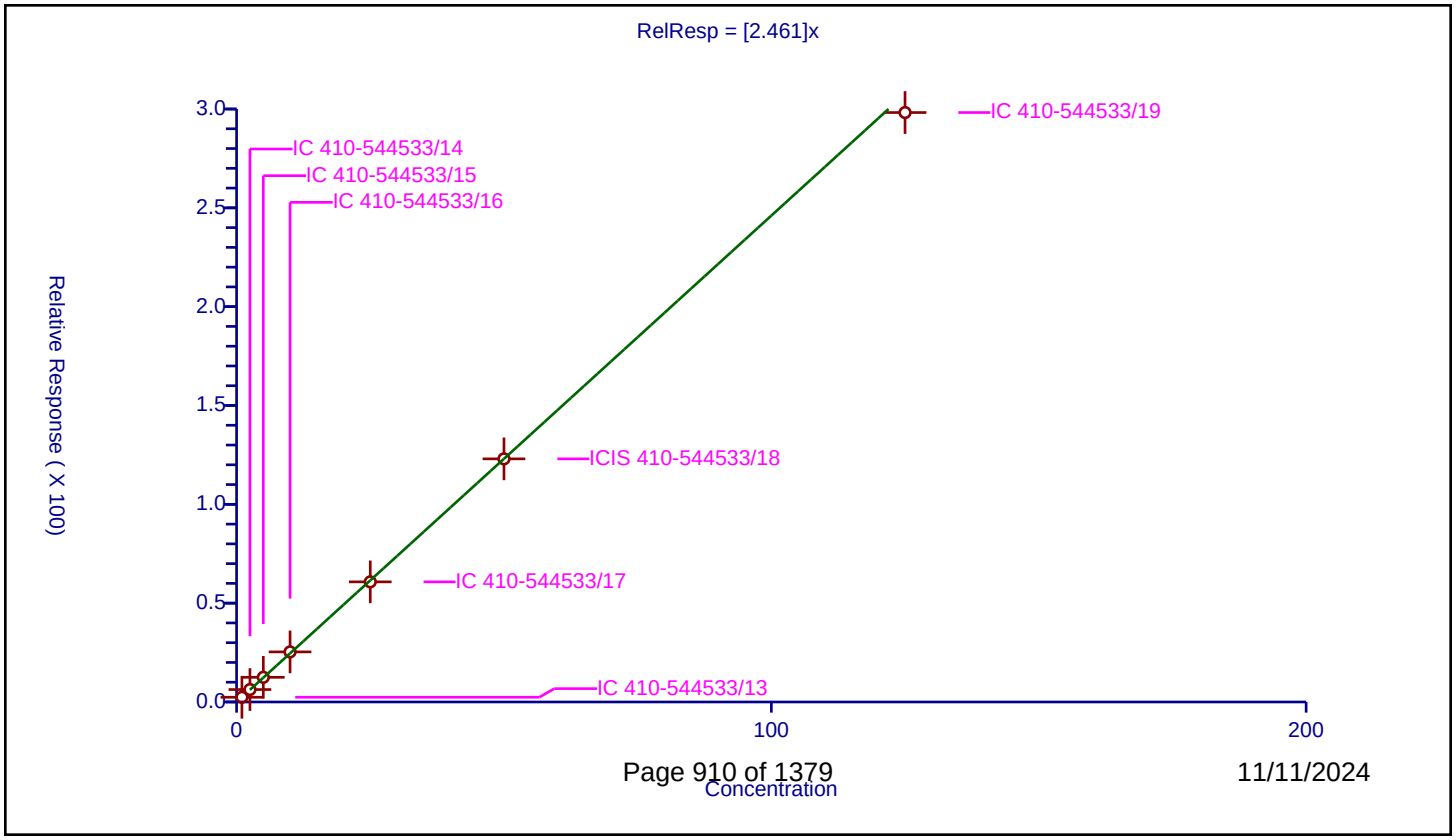
Curve Coefficients

Intercept:	0
Slope:	2.461

Error Coefficients

Relative Standard Deviation:	2.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	1.0	2.396504	50.0	84665.0	2.396504	Y
2	IC 410-544533/14	2.5	6.299188	50.0	81193.0	2.519675	Y
3	IC 410-544533/15	5.0	12.48949	50.0	80872.0	2.497898	Y
4	IC 410-544533/16	10.0	25.342132	50.0	82059.0	2.534213	Y
5	IC 410-544533/17	25.0	60.775343	50.0	83821.0	2.431014	Y
6	ICIS 410-544533/18	50.0	123.007737	50.0	86334.0	2.460155	Y
7	IC 410-544533/19	125.0	298.21588	50.0	92987.0	2.385727	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

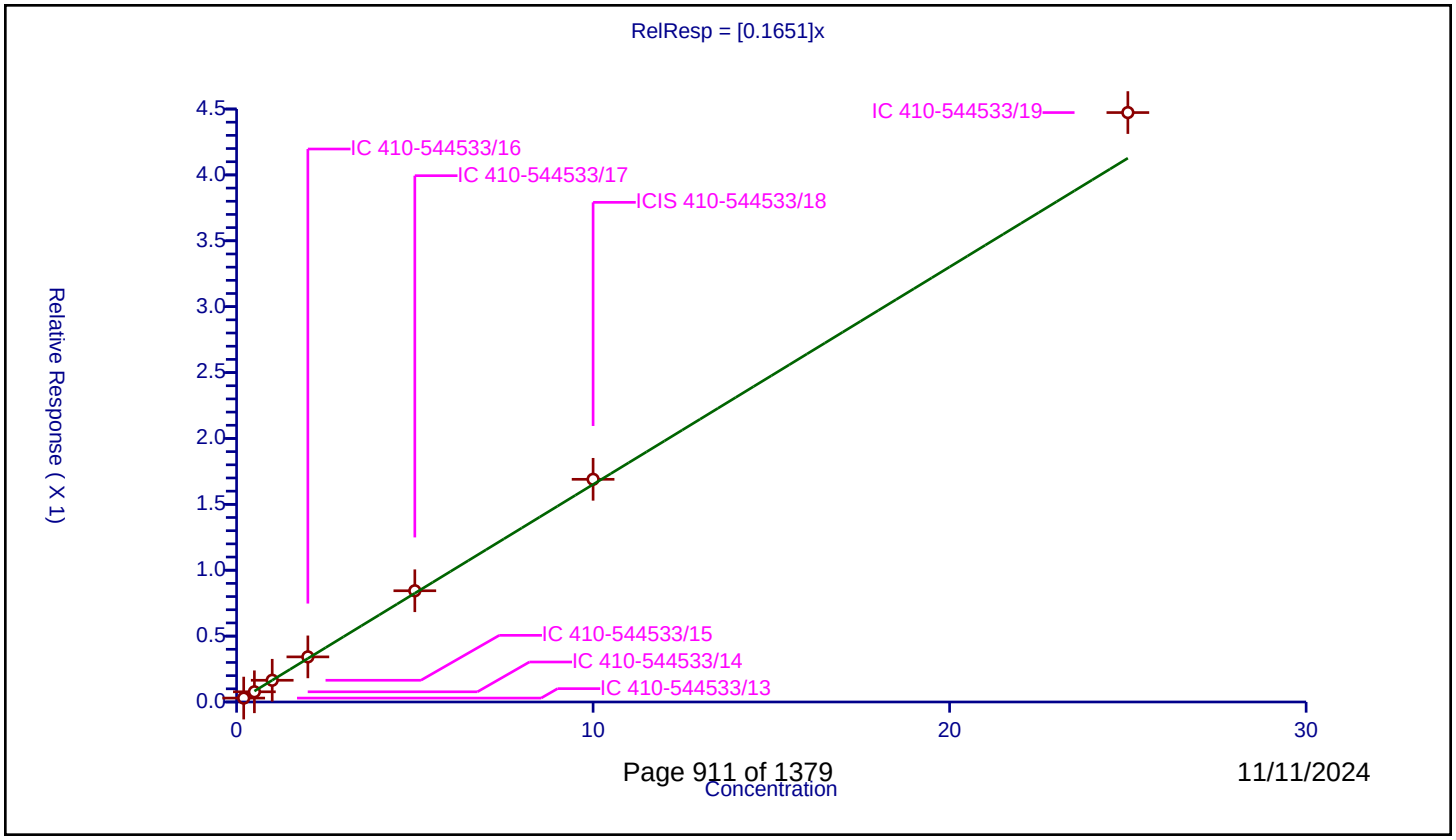
Curve Coefficients

Intercept:	0
Slope:	0.1651

Error Coefficients

Relative Standard Deviation:	6.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	0.2	0.029589	10.0	2188649.0	0.147945	Y
2	IC 410-544533/14	0.5	0.077469	10.0	2144225.0	0.154937	Y
3	IC 410-544533/15	1.0	0.164847	10.0	2145015.0	0.164847	Y
4	IC 410-544533/16	2.0	0.342215	10.0	2188388.0	0.171108	Y
5	IC 410-544533/17	5.0	0.844083	10.0	2145890.0	0.168817	Y
6	ICIS 410-544533/18	10.0	1.689809	10.0	2209380.0	0.168981	Y
7	IC 410-544533/19	25.0	4.473099	10.0	2128835.0	0.178924	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

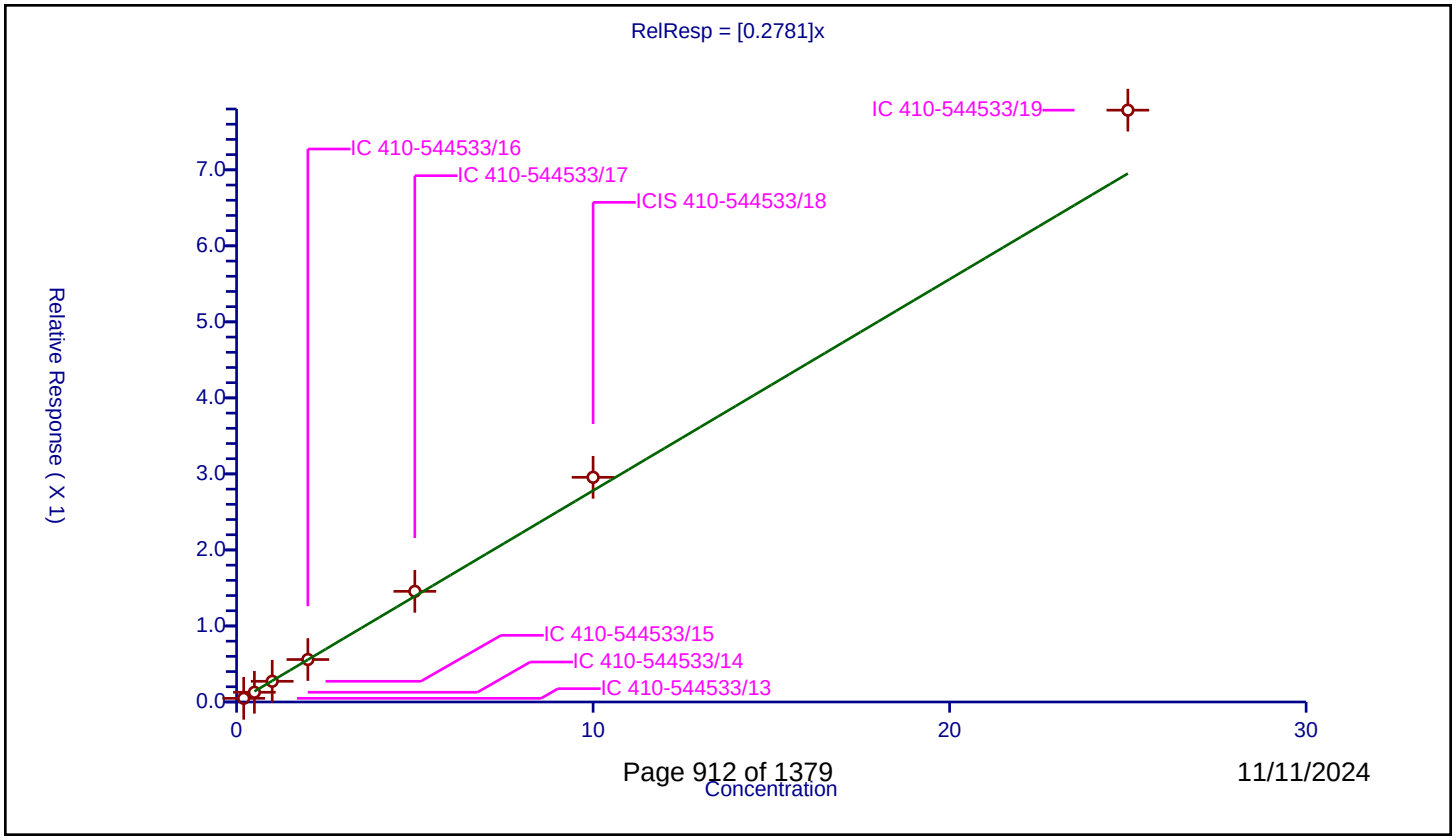
Curve Coefficients

Intercept:	0
Slope:	0.2781

Error Coefficients

Relative Standard Deviation:	8.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	0.2	0.048176	10.0	2188649.0	0.240879	Y
2	IC 410-544533/14	0.5	0.127986	10.0	2144225.0	0.255971	Y
3	IC 410-544533/15	1.0	0.272236	10.0	2145015.0	0.272236	Y
4	IC 410-544533/16	2.0	0.558534	10.0	2188388.0	0.279267	Y
5	IC 410-544533/17	5.0	1.455708	10.0	2145890.0	0.291142	Y
6	ICIS 410-544533/18	10.0	2.955494	10.0	2209380.0	0.295549	Y
7	IC 410-544533/19	25.0	7.785	10.0	2128835.0	0.3114	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

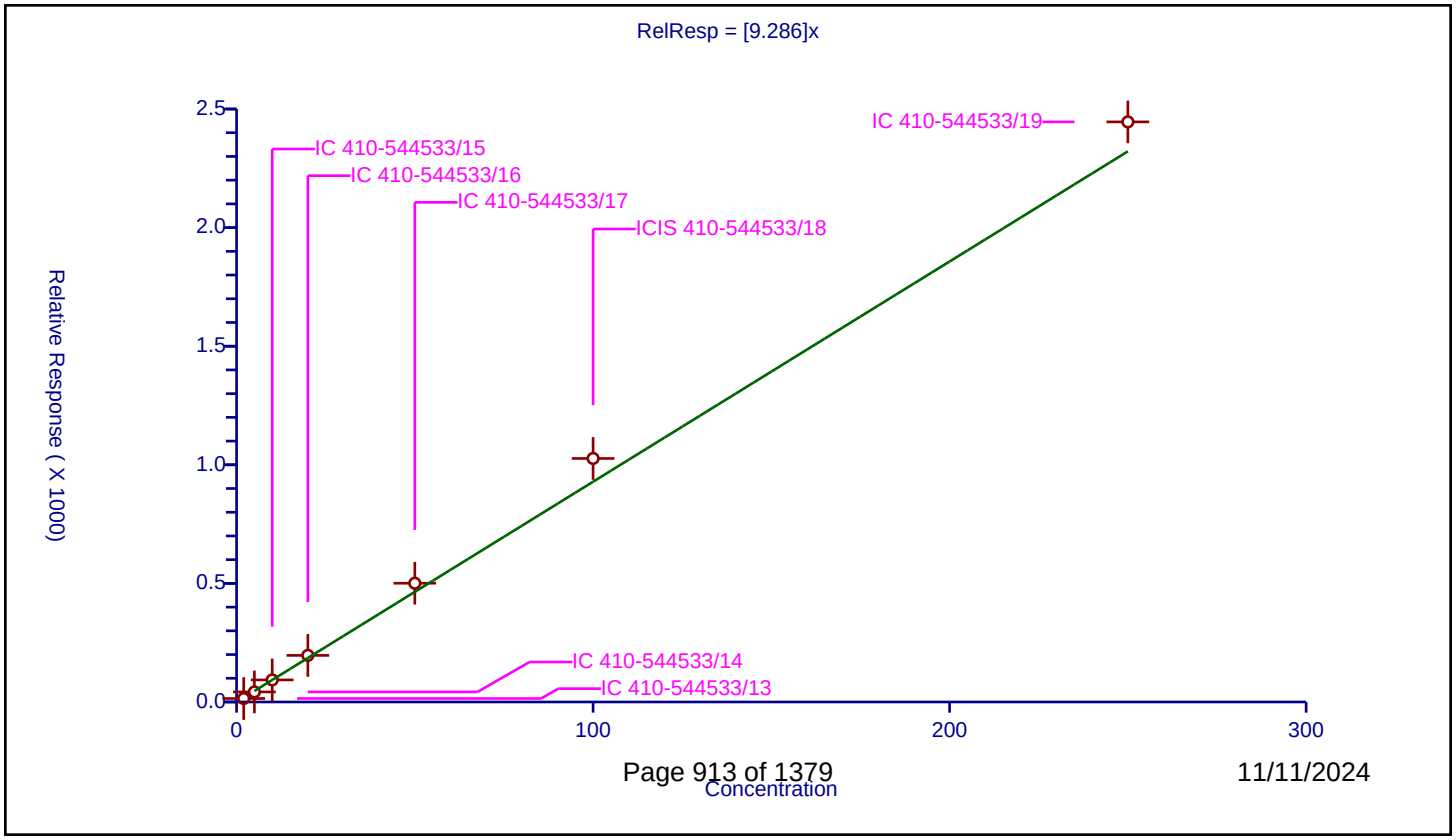
Curve Coefficients

Intercept:	0
Slope:	9.286

Error Coefficients

Relative Standard Deviation:	11.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	2.0	14.641233	50.0	84665.0	7.320617	Y
2	IC 410-544533/14	5.0	42.480263	50.0	81193.0	8.496053	Y
3	IC 410-544533/15	10.0	92.994485	50.0	80872.0	9.299449	Y
4	IC 410-544533/16	20.0	196.415993	50.0	82059.0	9.8208	Y
5	IC 410-544533/17	50.0	500.685986	50.0	83821.0	10.01372	Y
6	ICIS 410-544533/18	100.0	1026.794774	50.0	86334.0	10.267948	Y
7	IC 410-544533/19	250.0	2445.738114	50.0	92987.0	9.782952	Y



Calibration / Toluene-d8 (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

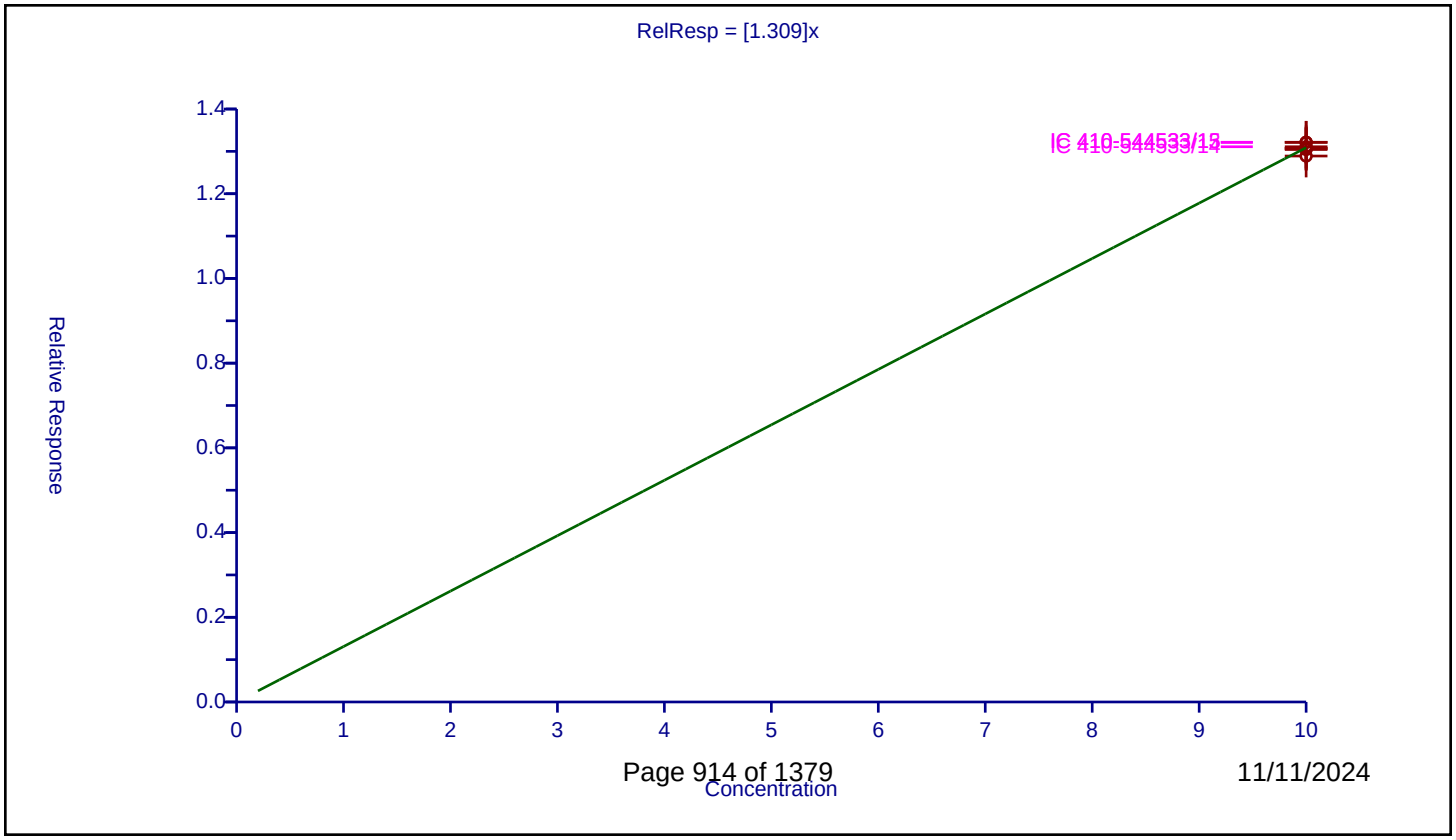
Curve Coefficients

Intercept:	0
Slope:	1.309

Error Coefficients

Relative Standard Deviation:	0.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	10.0	13.214363	10.0	1631829.0	1.321436	Y
2	IC 410-544533/14	10.0	13.109233	10.0	1612597.0	1.310923	Y
3	IC 410-544533/15	10.0	13.21415	10.0	1601394.0	1.321415	Y
4	IC 410-544533/16	10.0	13.073709	10.0	1655098.0	1.307371	Y
5	IC 410-544533/17	10.0	13.065174	10.0	1618352.0	1.306517	Y
6	ICIS 410-544533/18	10.0	13.043662	10.0	1673760.0	1.304366	Y
7	IC 410-544533/19	10.0	12.889985	10.0	1627292.0	1.288999	Y



Calibration / Toluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

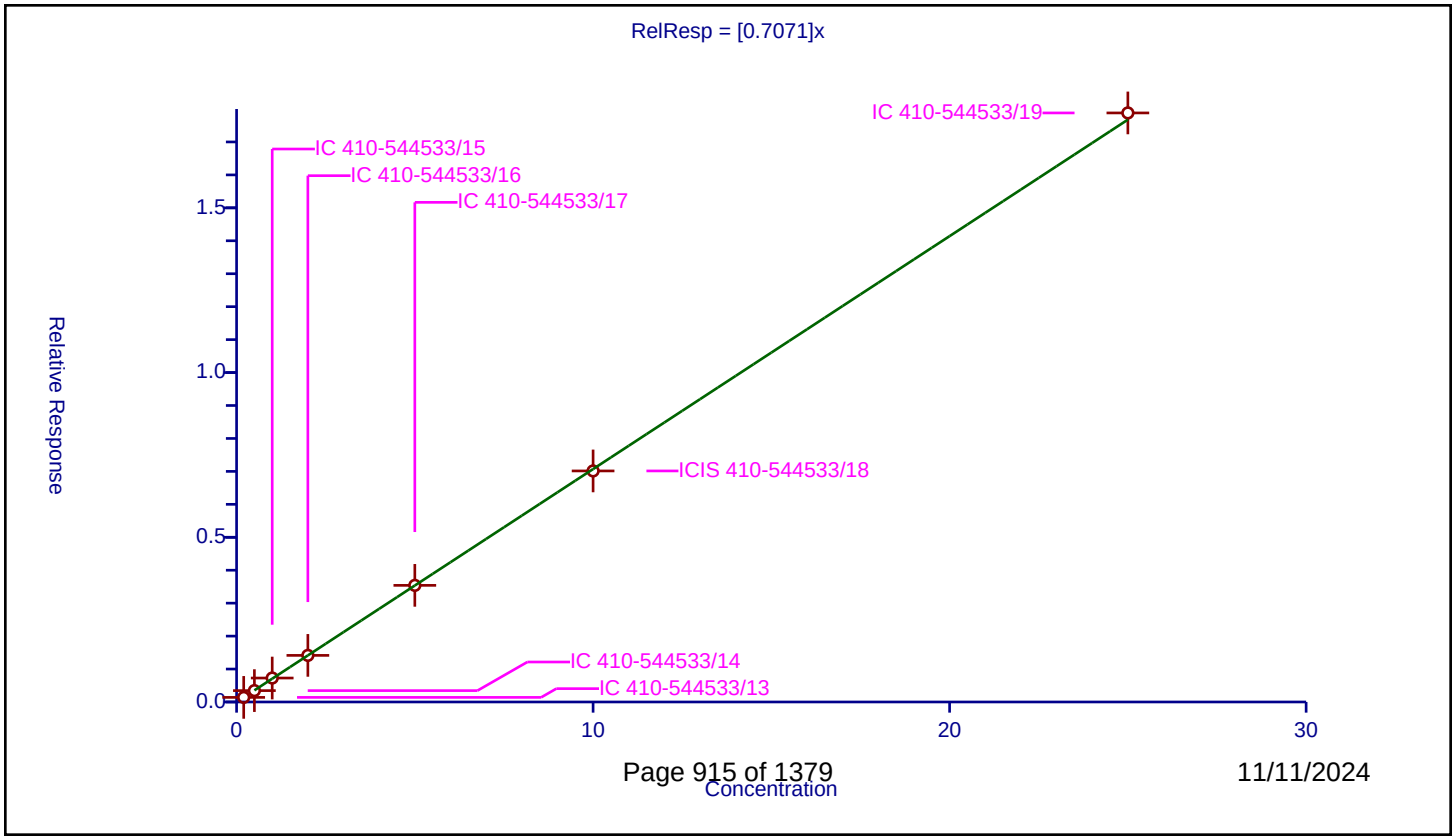
Curve Coefficients

Intercept:	0
Slope:	0.7071

Error Coefficients

Relative Standard Deviation:	1.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	0.2	0.13991	10.0	1631829.0	0.699552	Y
2	IC 410-544533/14	0.5	0.345337	10.0	1612597.0	0.690675	Y
3	IC 410-544533/15	1.0	0.727522	10.0	1601394.0	0.727522	Y
4	IC 410-544533/16	2.0	1.414291	10.0	1655098.0	0.707145	Y
5	IC 410-544533/17	5.0	3.539947	10.0	1618352.0	0.707989	Y
6	ICIS 410-544533/18	10.0	7.013628	10.0	1673760.0	0.701363	Y
7	IC 410-544533/19	25.0	17.881192	10.0	1627292.0	0.715248	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

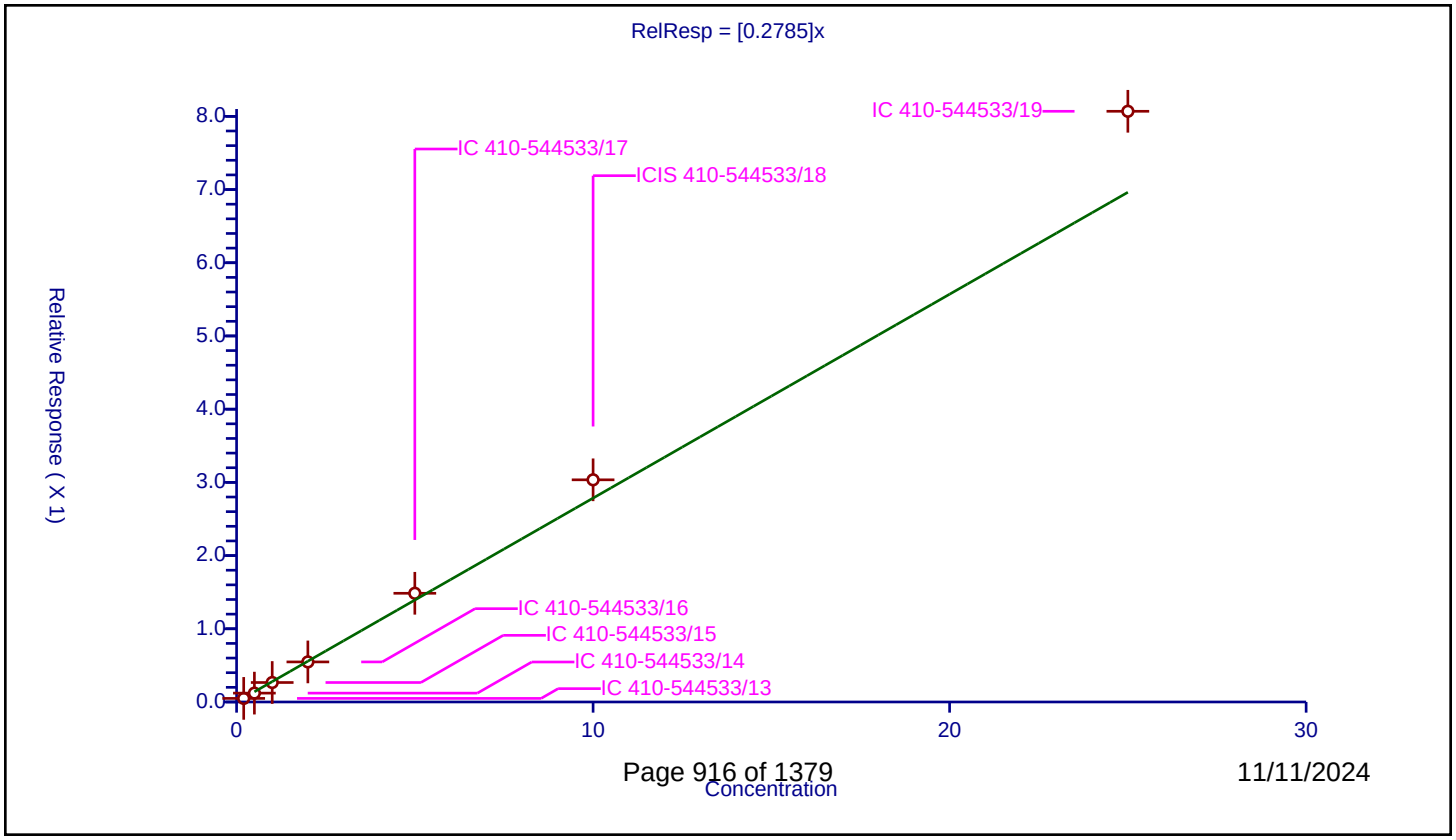
Curve Coefficients

Intercept:	0
Slope:	0.2785

Error Coefficients

Relative Standard Deviation:	10.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	0.2	0.048939	10.0	1631829.0	0.244695	Y
2	IC 410-544533/14	0.5	0.12101	10.0	1612597.0	0.24202	Y
3	IC 410-544533/15	1.0	0.265999	10.0	1601394.0	0.265999	Y
4	IC 410-544533/16	2.0	0.54714	10.0	1655098.0	0.27357	Y
5	IC 410-544533/17	5.0	1.484961	10.0	1618352.0	0.296992	Y
6	ICIS 410-544533/18	10.0	3.034784	10.0	1673760.0	0.303478	Y
7	IC 410-544533/19	25.0	8.069185	10.0	1627292.0	0.322767	Y



Calibration / Ethyl methacrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

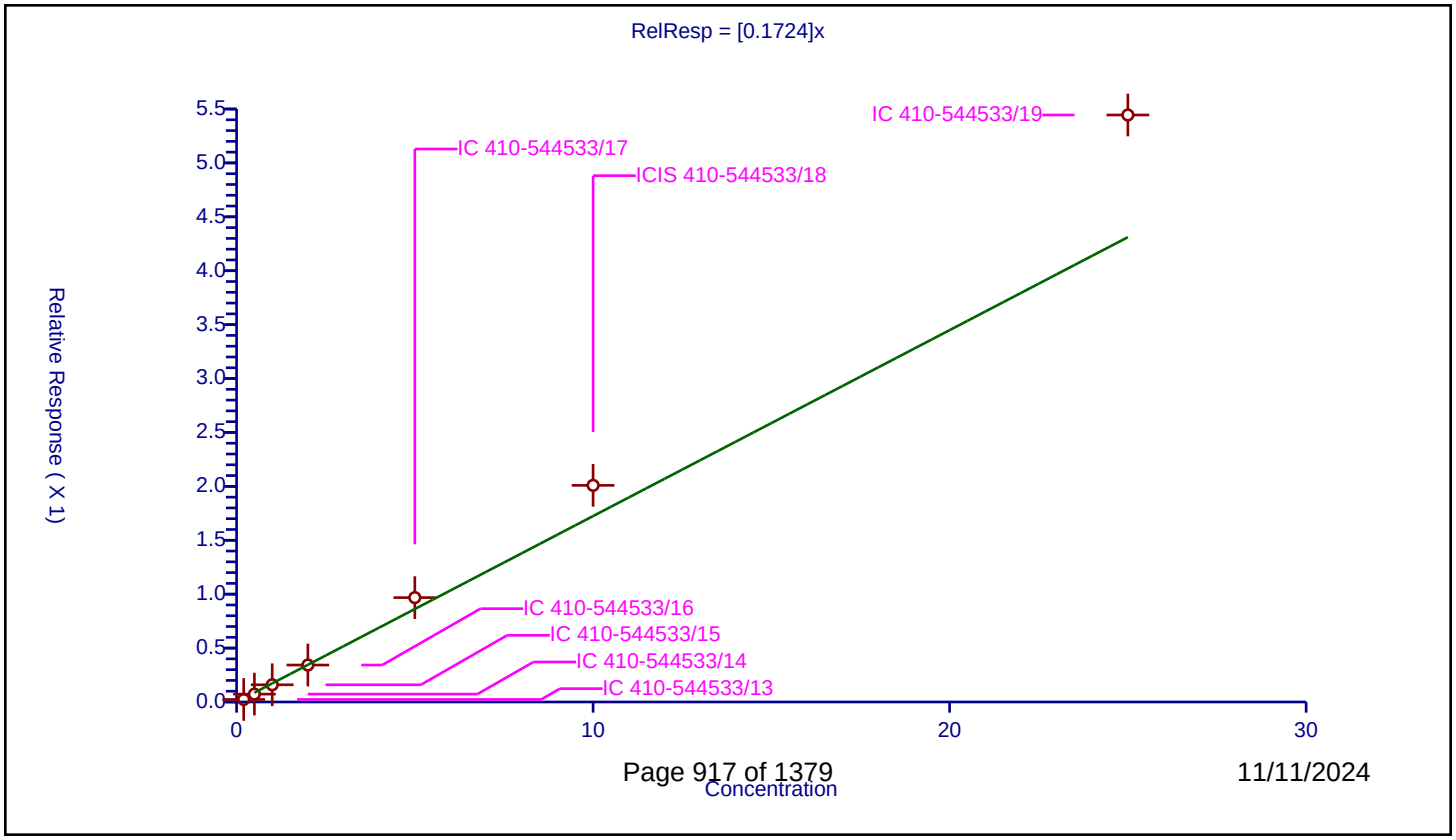
Curve Coefficients

Intercept:	0
Slope:	0.1724

Error Coefficients

Relative Standard Deviation:	20.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	0.2	0.023458	10.0	1631829.0	0.117292	Y
2	IC 410-544533/14	0.5	0.073192	10.0	1612597.0	0.146385	Y
3	IC 410-544533/15	1.0	0.159736	10.0	1601394.0	0.159736	Y
4	IC 410-544533/16	2.0	0.342711	10.0	1655098.0	0.171355	Y
5	IC 410-544533/17	5.0	0.968009	10.0	1618352.0	0.193602	Y
6	ICIS 410-544533/18	10.0	2.009284	10.0	1673760.0	0.200928	Y
7	IC 410-544533/19	25.0	5.444505	10.0	1627292.0	0.21778	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

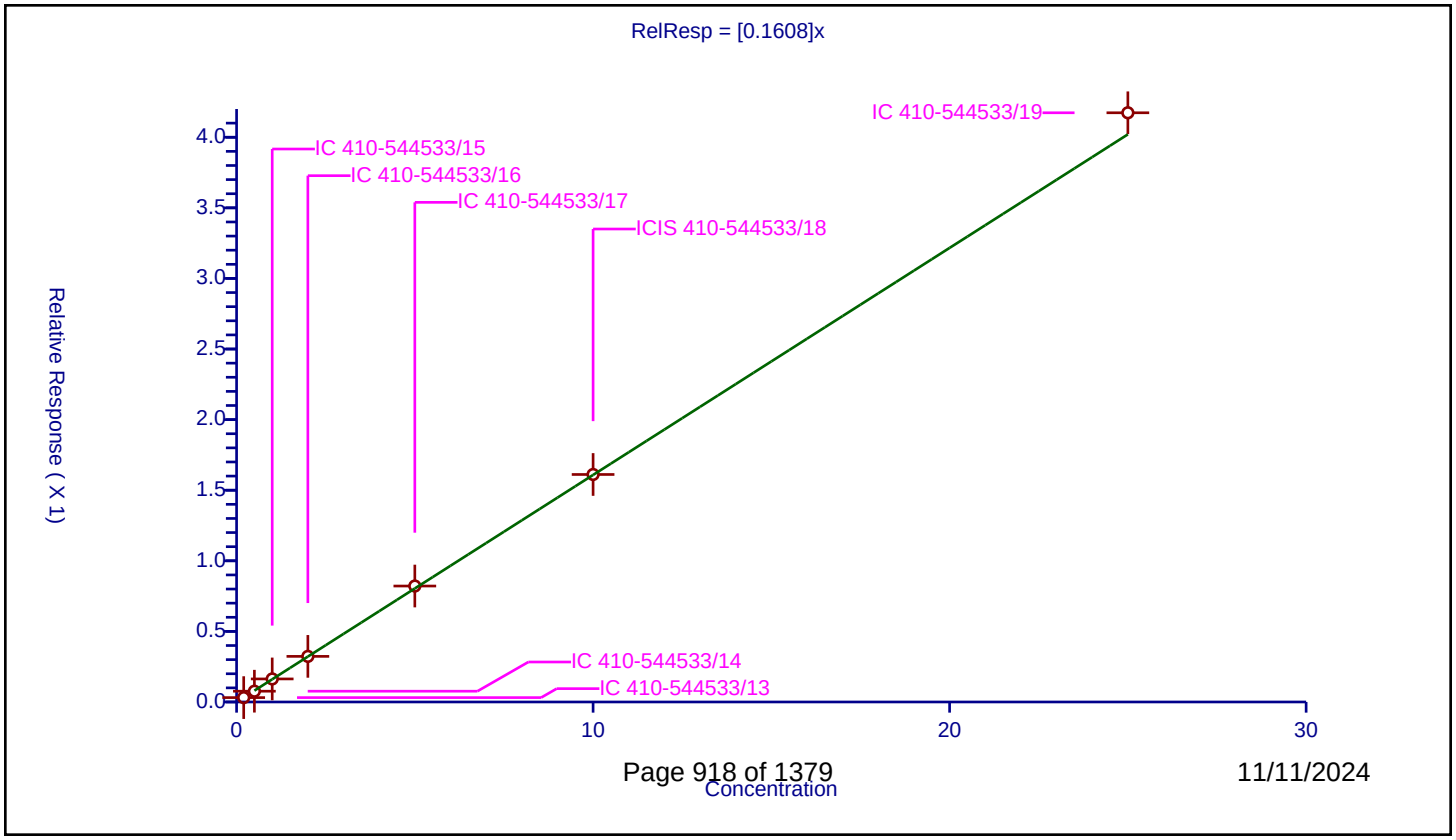
Curve Coefficients

Intercept:	0
Slope:	0.1608

Error Coefficients

Relative Standard Deviation:	3.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	0.2	0.031118	10.0	1631829.0	0.155592	Y
2	IC 410-544533/14	0.5	0.076485	10.0	1612597.0	0.152971	Y
3	IC 410-544533/15	1.0	0.163227	10.0	1601394.0	0.163227	Y
4	IC 410-544533/16	2.0	0.323081	10.0	1655098.0	0.16154	Y
5	IC 410-544533/17	5.0	0.82136	10.0	1618352.0	0.164272	Y
6	ICIS 410-544533/18	10.0	1.611474	10.0	1673760.0	0.161147	Y
7	IC 410-544533/19	25.0	4.173308	10.0	1627292.0	0.166932	Y



Calibration / Tetrachloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

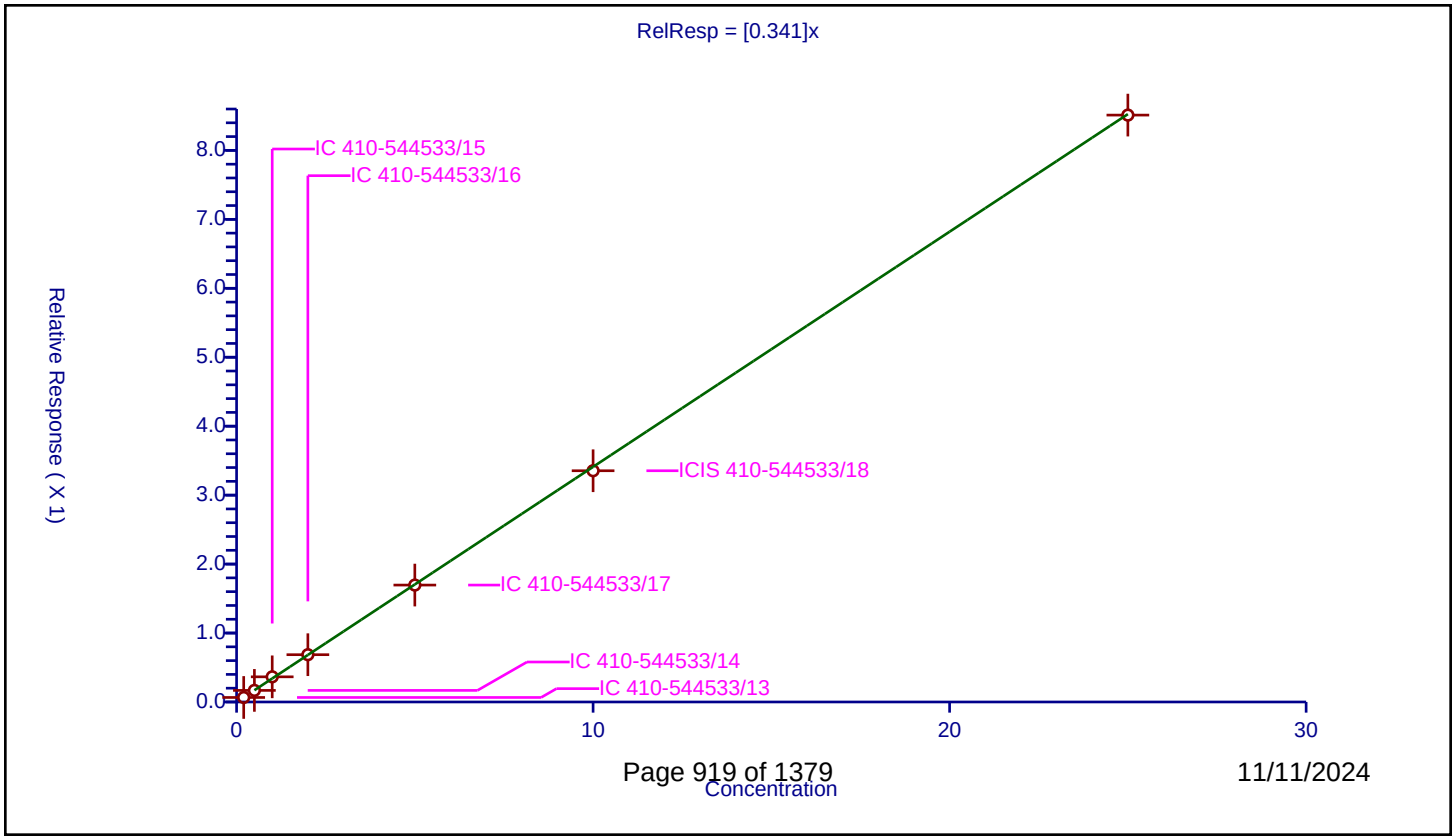
Curve Coefficients

Intercept:	0
Slope:	0.341

Error Coefficients

Relative Standard Deviation:	3.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	0.2	0.065613	10.0	1631829.0	0.328067	Y
2	IC 410-544533/14	0.5	0.168126	10.0	1612597.0	0.336253	Y
3	IC 410-544533/15	1.0	0.364982	10.0	1601394.0	0.364982	Y
4	IC 410-544533/16	2.0	0.68576	10.0	1655098.0	0.34288	Y
5	IC 410-544533/17	5.0	1.695842	10.0	1618352.0	0.339168	Y
6	ICIS 410-544533/18	10.0	3.353796	10.0	1673760.0	0.33538	Y
7	IC 410-544533/19	25.0	8.511945	10.0	1627292.0	0.340478	Y



Calibration / 1,3-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

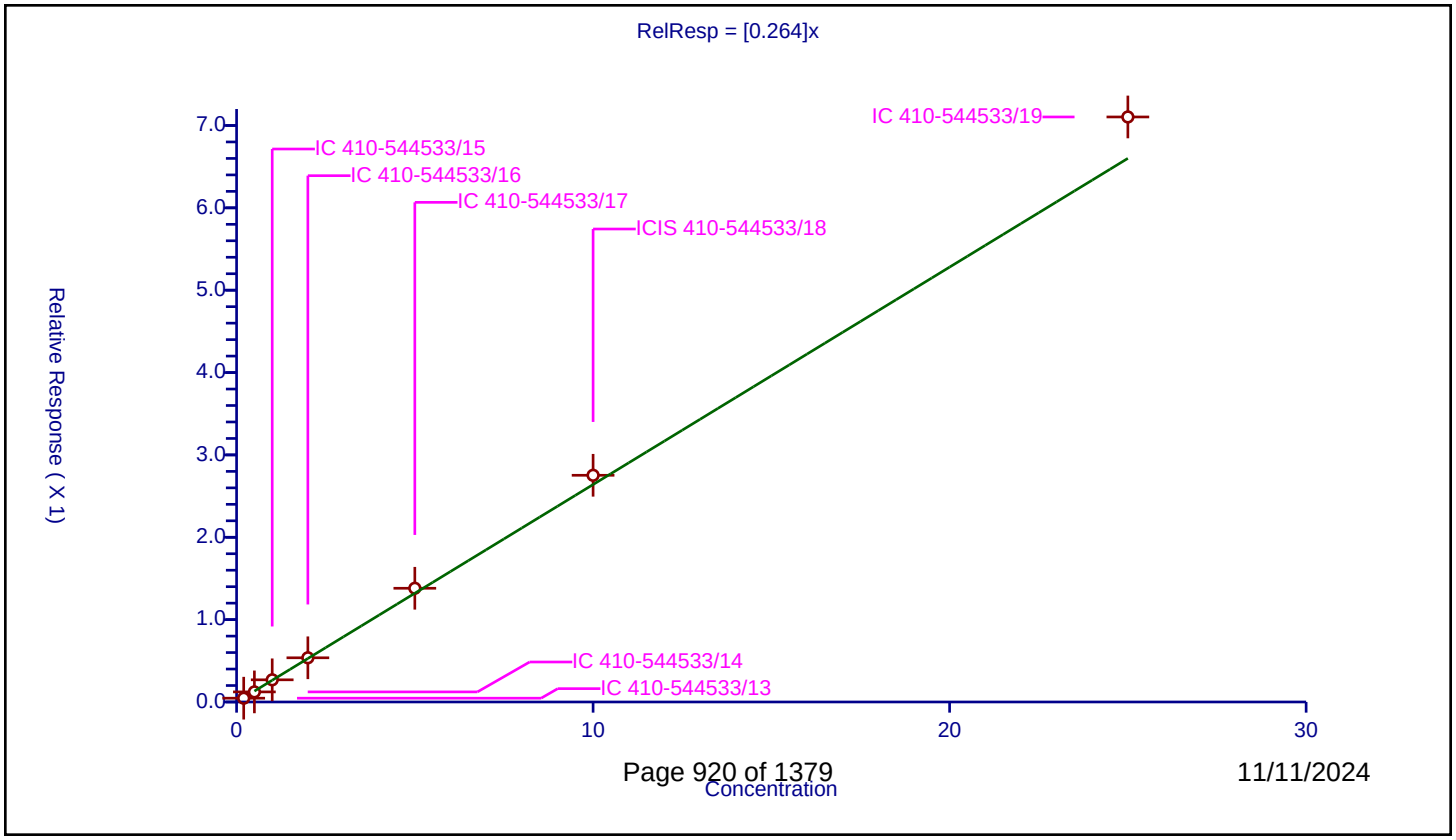
Curve Coefficients

Intercept:	0
Slope:	0.264

Error Coefficients

Relative Standard Deviation:	7.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	0.2	0.046065	10.0	1631829.0	0.230324	Y
2	IC 410-544533/14	0.5	0.122405	10.0	1612597.0	0.24481	Y
3	IC 410-544533/15	1.0	0.269153	10.0	1601394.0	0.269153	Y
4	IC 410-544533/16	2.0	0.536687	10.0	1655098.0	0.268344	Y
5	IC 410-544533/17	5.0	1.380701	10.0	1618352.0	0.27614	Y
6	ICIS 410-544533/18	10.0	2.752659	10.0	1673760.0	0.275266	Y
7	IC 410-544533/19	25.0	7.103359	10.0	1627292.0	0.284134	Y



Calibration / 2-Hexanone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

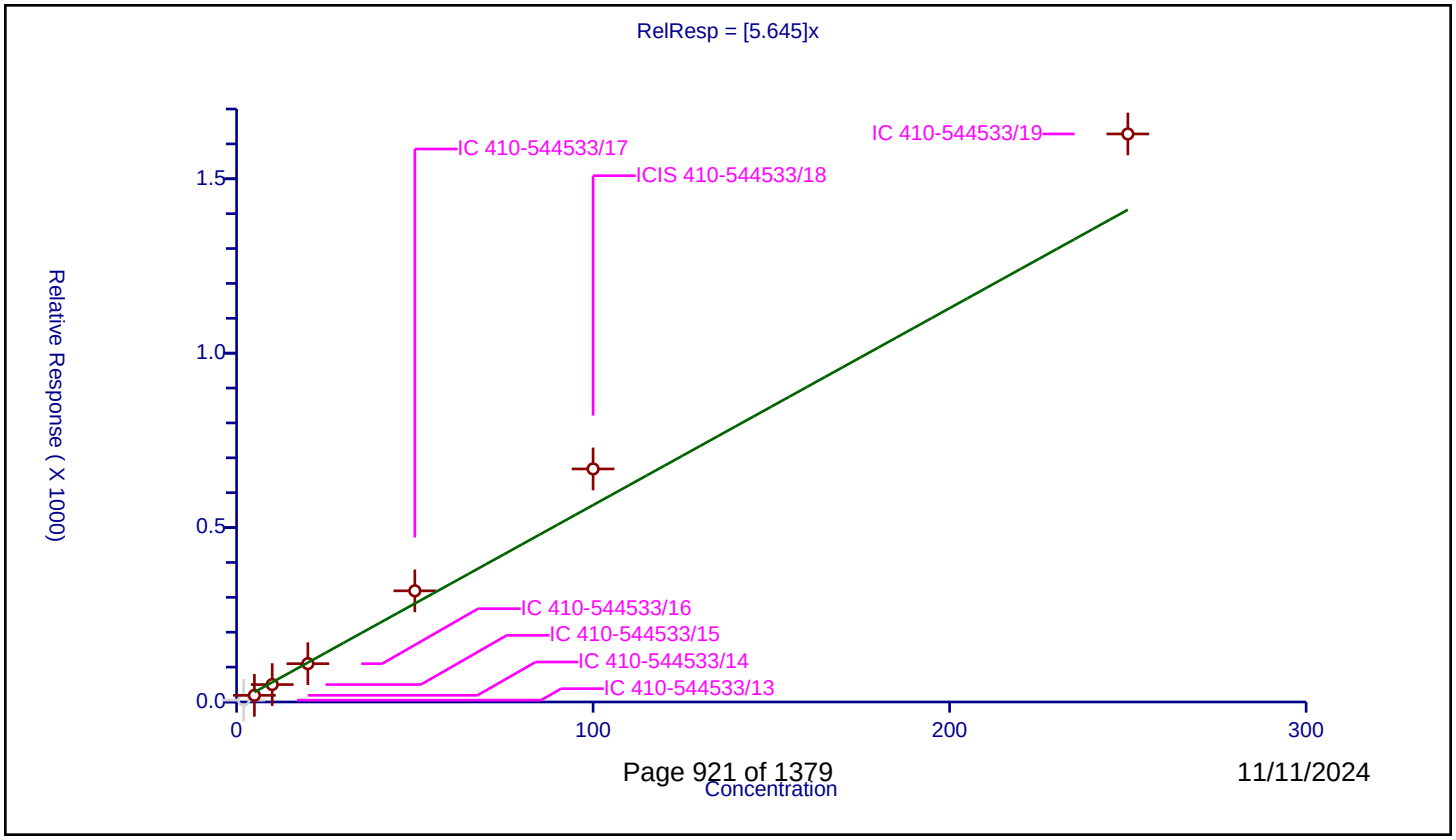
Curve Coefficients

Intercept:	0
Slope:	5.645

Error Coefficients

Relative Standard Deviation:	19.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	2.0	5.26723	50.0	84665.0	2.633615	N
2	IC 410-544533/14	5.0	19.061372	50.0	81193.0	3.812274	Y
3	IC 410-544533/15	10.0	49.966614	50.0	80872.0	4.996661	Y
4	IC 410-544533/16	20.0	109.844746	50.0	82059.0	5.492237	Y
5	IC 410-544533/17	50.0	318.659405	50.0	83821.0	6.373188	Y
6	ICIS 410-544533/18	100.0	668.157968	50.0	86334.0	6.68158	Y
7	IC 410-544533/19	250.0	1628.495919	50.0	92987.0	6.513984	Y



11/11/2024

Calibration / Chlorodibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

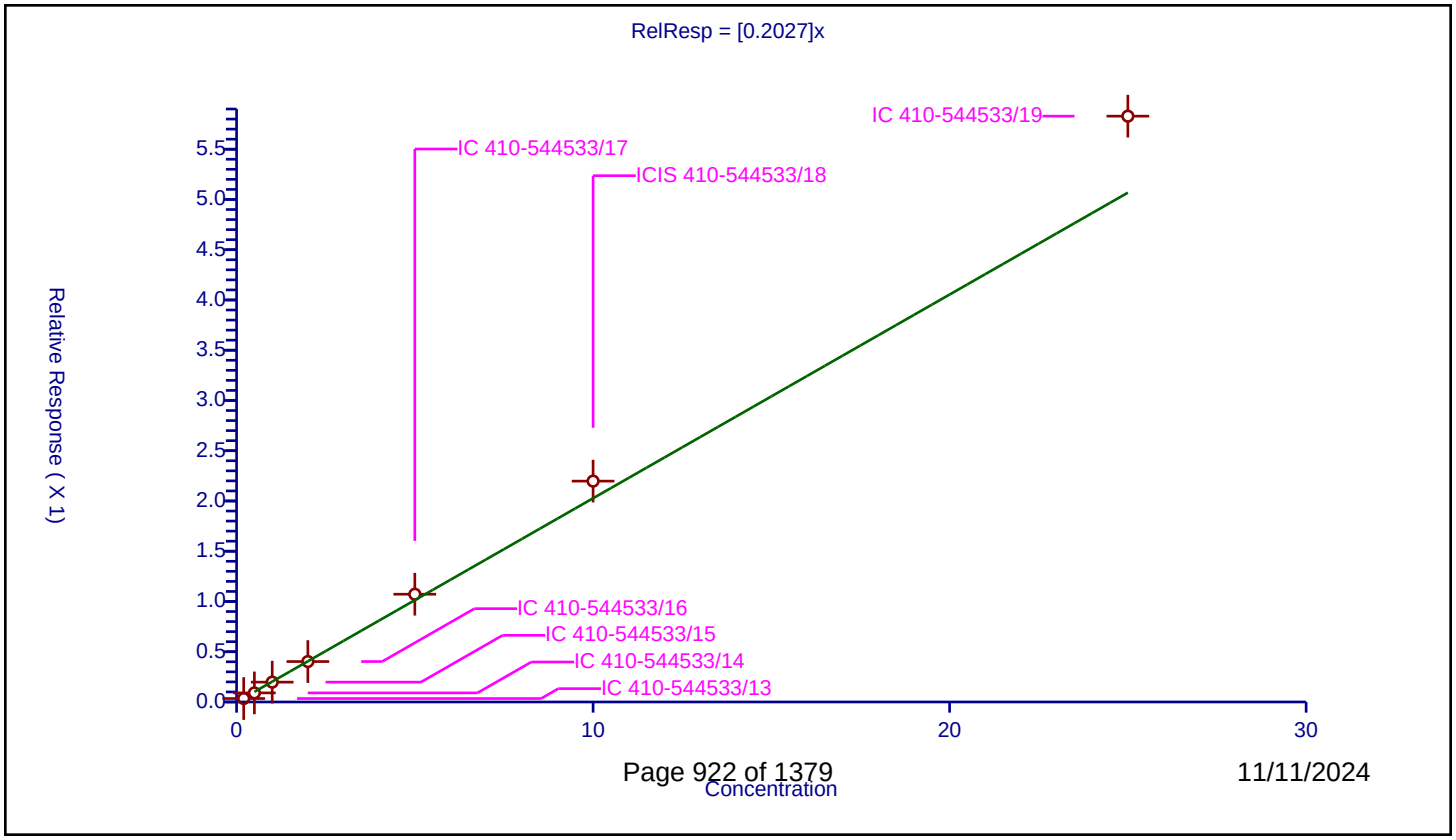
Curve Coefficients

Intercept:	0
Slope:	0.2027

Error Coefficients

Relative Standard Deviation:	10.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	0.2	0.034421	10.0	1631829.0	0.172107	Y
2	IC 410-544533/14	0.5	0.090401	10.0	1612597.0	0.180802	Y
3	IC 410-544533/15	1.0	0.197409	10.0	1601394.0	0.197409	Y
4	IC 410-544533/16	2.0	0.402502	10.0	1655098.0	0.201251	Y
5	IC 410-544533/17	5.0	1.072257	10.0	1618352.0	0.214451	Y
6	ICIS 410-544533/18	10.0	2.197717	10.0	1673760.0	0.219772	Y
7	IC 410-544533/19	25.0	5.828868	10.0	1627292.0	0.233155	Y



Calibration / Ethylene Dibromide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

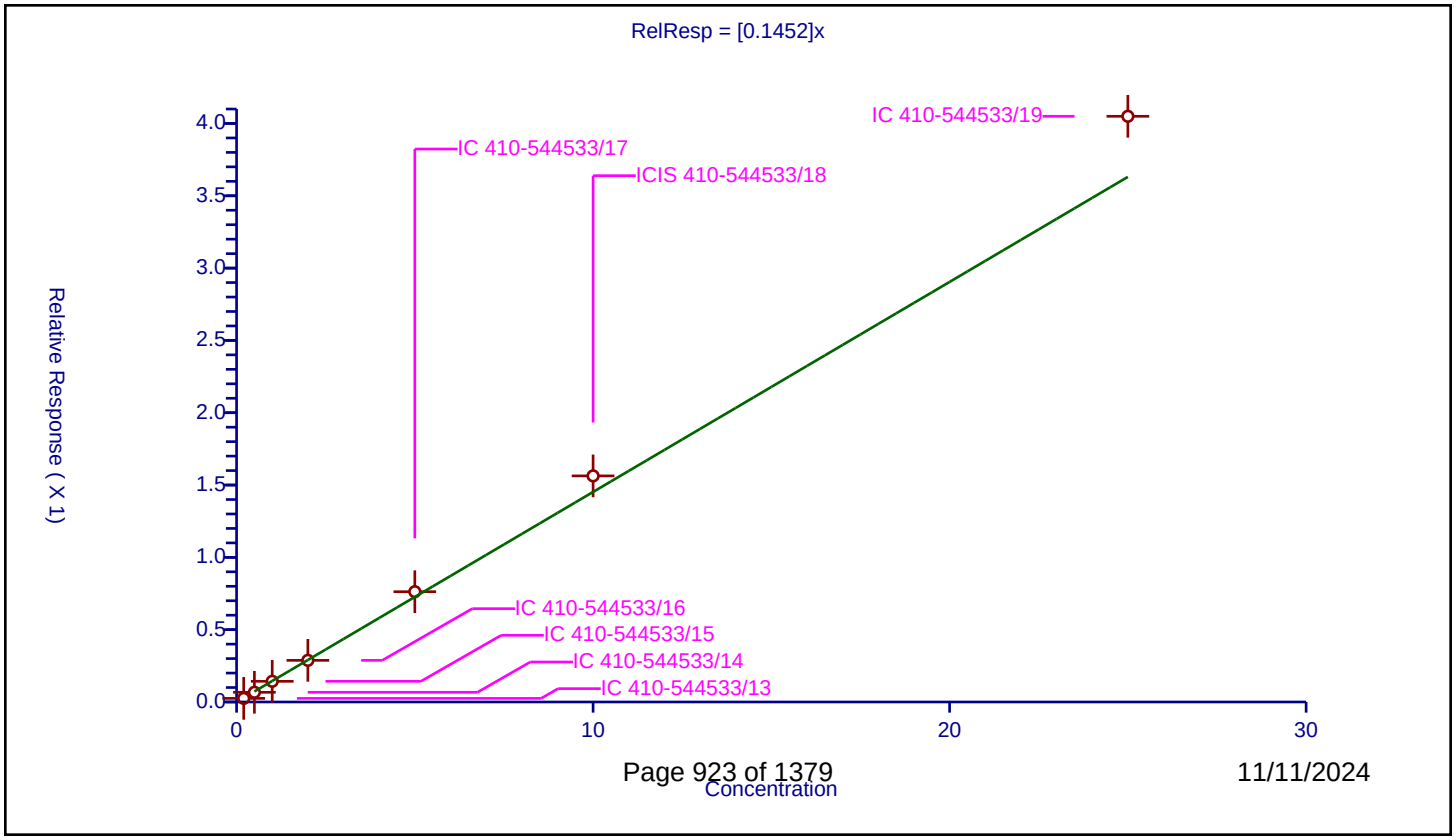
Curve Coefficients

Intercept:	0
Slope:	0.1452

Error Coefficients

Relative Standard Deviation:	8.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	0.2	0.025003	10.0	1631829.0	0.125013	Y
2	IC 410-544533/14	0.5	0.066936	10.0	1612597.0	0.133871	Y
3	IC 410-544533/15	1.0	0.1429	10.0	1601394.0	0.1429	Y
4	IC 410-544533/16	2.0	0.287947	10.0	1655098.0	0.143973	Y
5	IC 410-544533/17	5.0	0.762541	10.0	1618352.0	0.152508	Y
6	ICIS 410-544533/18	10.0	1.563277	10.0	1673760.0	0.156328	Y
7	IC 410-544533/19	25.0	4.049679	10.0	1627292.0	0.161987	Y



Calibration / 1-Chlorohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

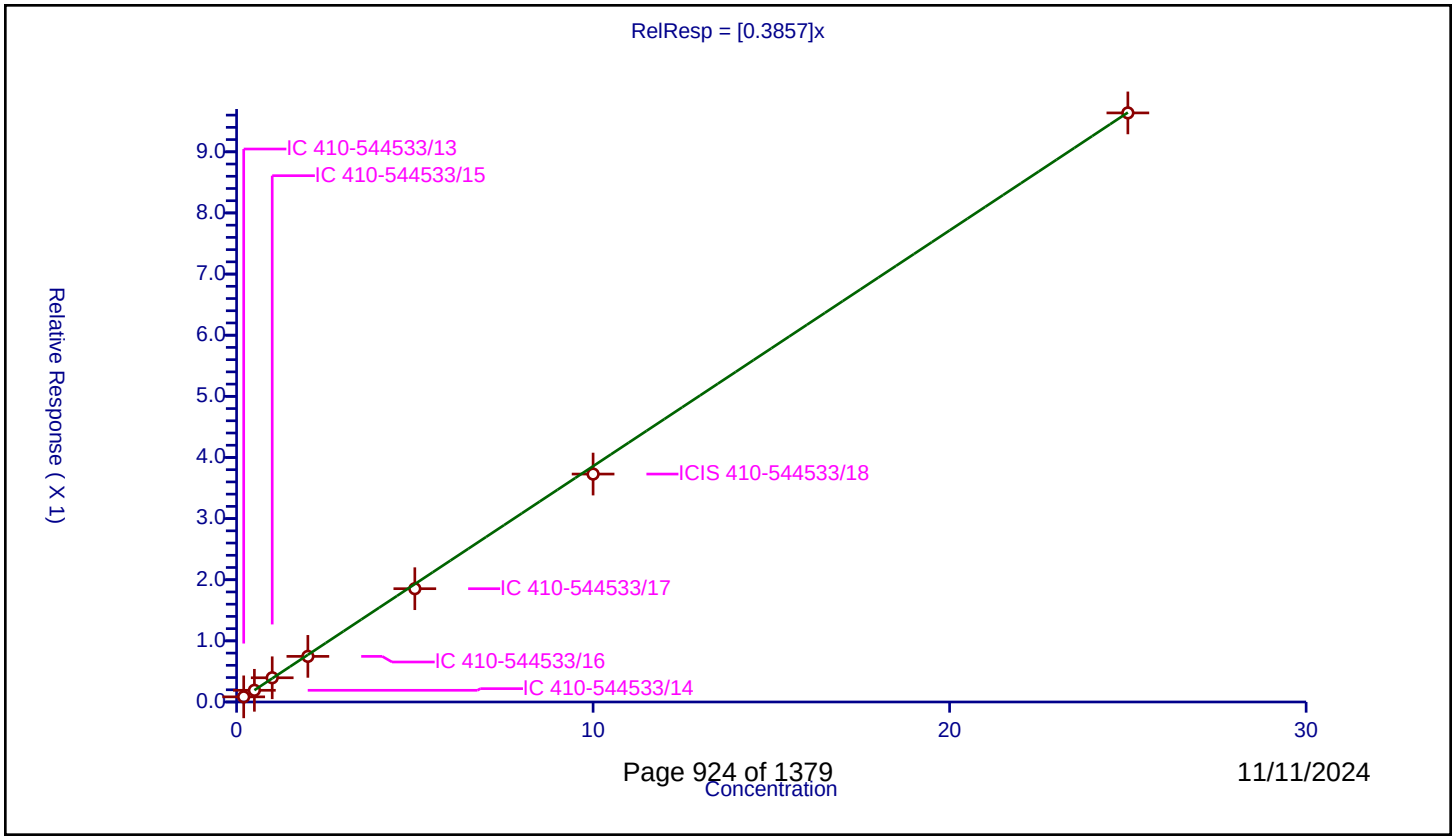
Curve Coefficients

Intercept:	0
Slope:	0.3857

Error Coefficients

Relative Standard Deviation:	4.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	0.2	0.083796	10.0	1631829.0	0.418978	Y
2	IC 410-544533/14	0.5	0.191412	10.0	1612597.0	0.382823	Y
3	IC 410-544533/15	1.0	0.396161	10.0	1601394.0	0.396161	Y
4	IC 410-544533/16	2.0	0.746131	10.0	1655098.0	0.373066	Y
5	IC 410-544533/17	5.0	1.853089	10.0	1618352.0	0.370618	Y
6	ICIS 410-544533/18	10.0	3.728617	10.0	1673760.0	0.372862	Y
7	IC 410-544533/19	25.0	9.636396	10.0	1627292.0	0.385456	Y



Calibration / Chlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

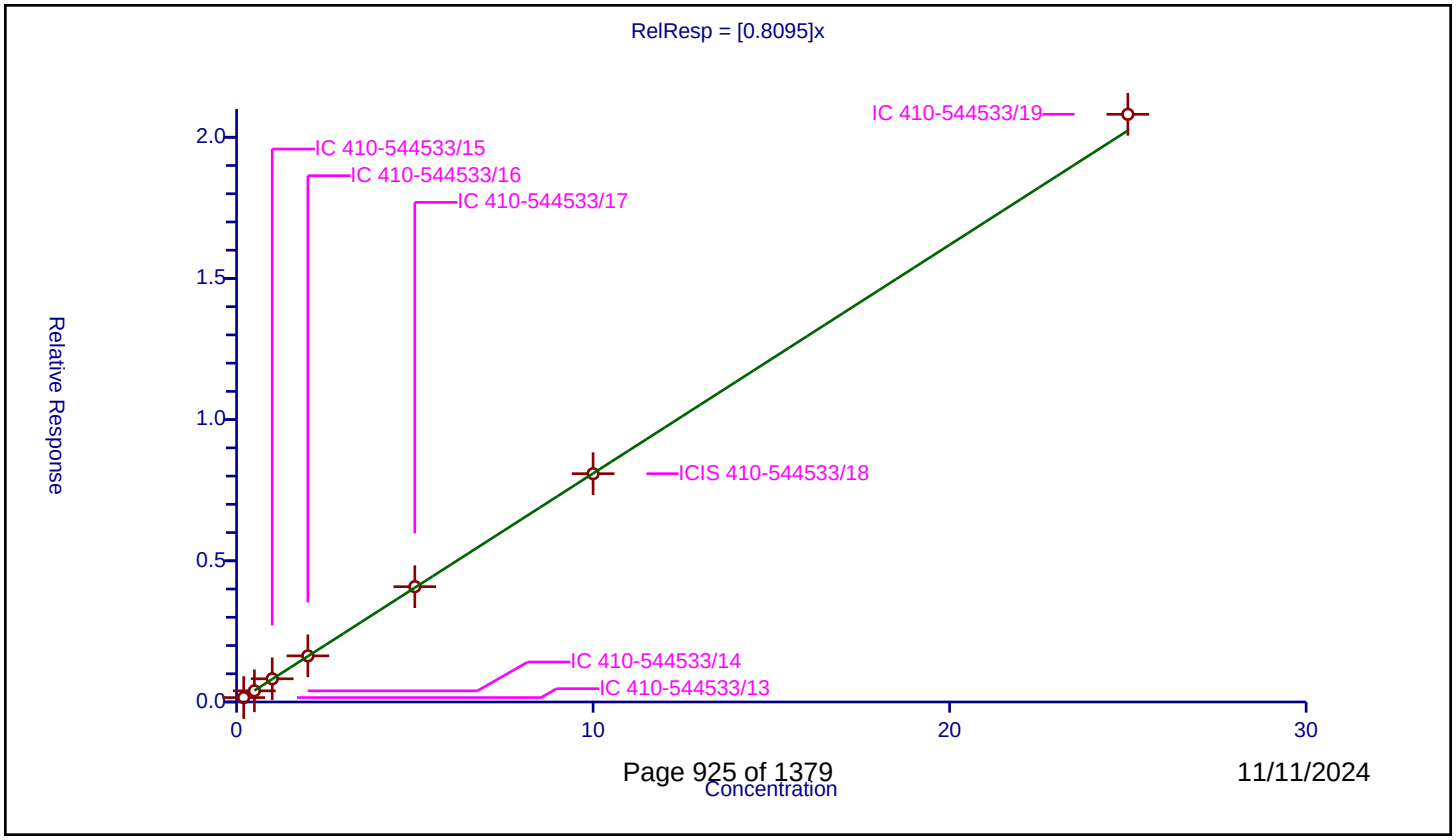
Curve Coefficients

Intercept:	0
Slope:	0.8095

Error Coefficients

Relative Standard Deviation:	2.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	0.2	0.156095	10.0	1631829.0	0.780474	Y
2	IC 410-544533/14	0.5	0.394953	10.0	1612597.0	0.789906	Y
3	IC 410-544533/15	1.0	0.821659	10.0	1601394.0	0.821659	Y
4	IC 410-544533/16	2.0	1.633196	10.0	1655098.0	0.816598	Y
5	IC 410-544533/17	5.0	4.083759	10.0	1618352.0	0.816752	Y
6	ICIS 410-544533/18	10.0	8.085371	10.0	1673760.0	0.808537	Y
7	IC 410-544533/19	25.0	20.812872	10.0	1627292.0	0.832515	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

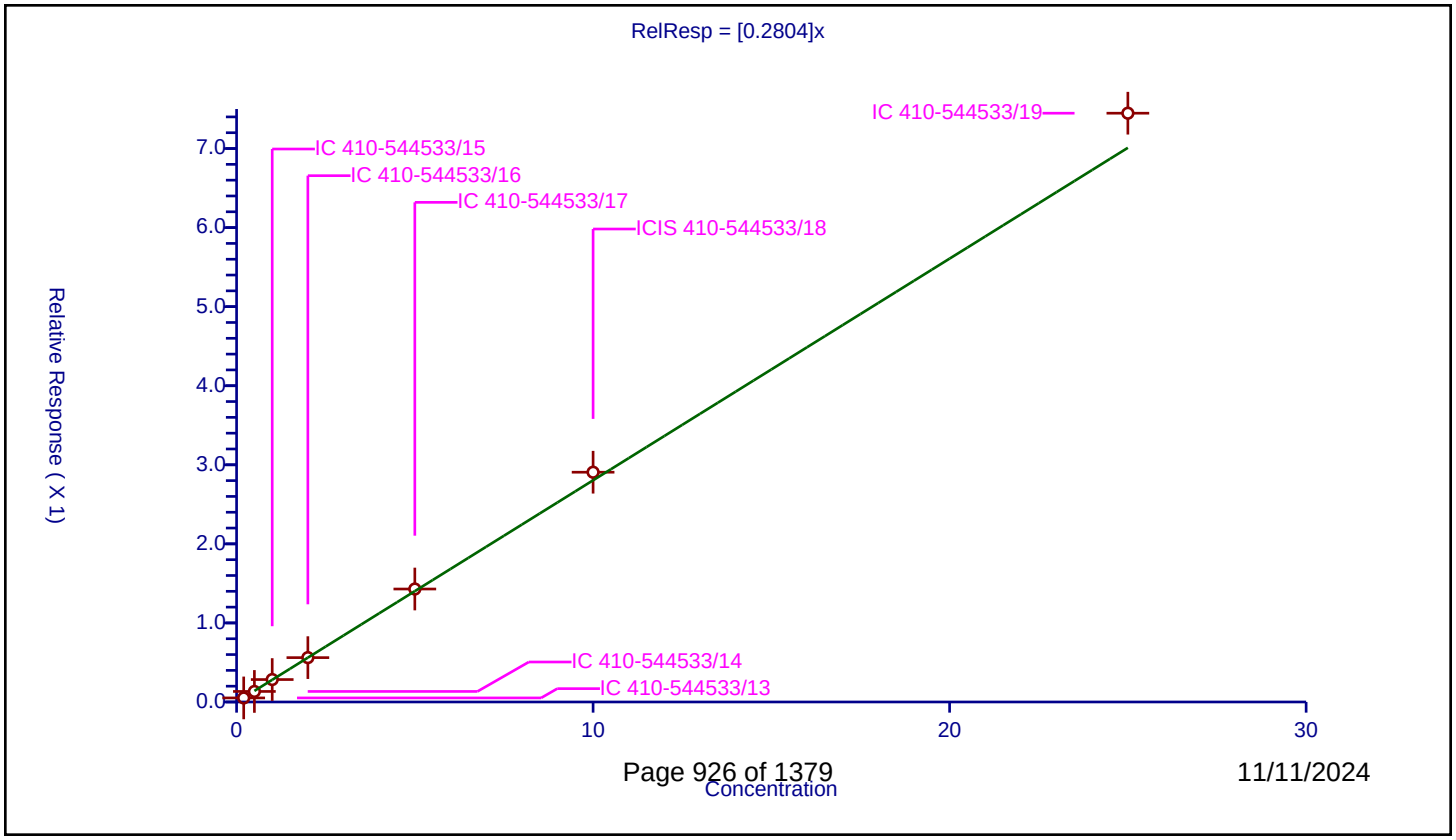
Curve Coefficients

Intercept:	0
Slope:	0.2804

Error Coefficients

Relative Standard Deviation:	5.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	0.2	0.051494	10.0	1631829.0	0.257472	Y
2	IC 410-544533/14	0.5	0.133288	10.0	1612597.0	0.266576	Y
3	IC 410-544533/15	1.0	0.283896	10.0	1601394.0	0.283896	Y
4	IC 410-544533/16	2.0	0.561006	10.0	1655098.0	0.280503	Y
5	IC 410-544533/17	5.0	1.42888	10.0	1618352.0	0.285776	Y
6	ICIS 410-544533/18	10.0	2.906092	10.0	1673760.0	0.290609	Y
7	IC 410-544533/19	25.0	7.447164	10.0	1627292.0	0.297887	Y



Calibration / Ethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

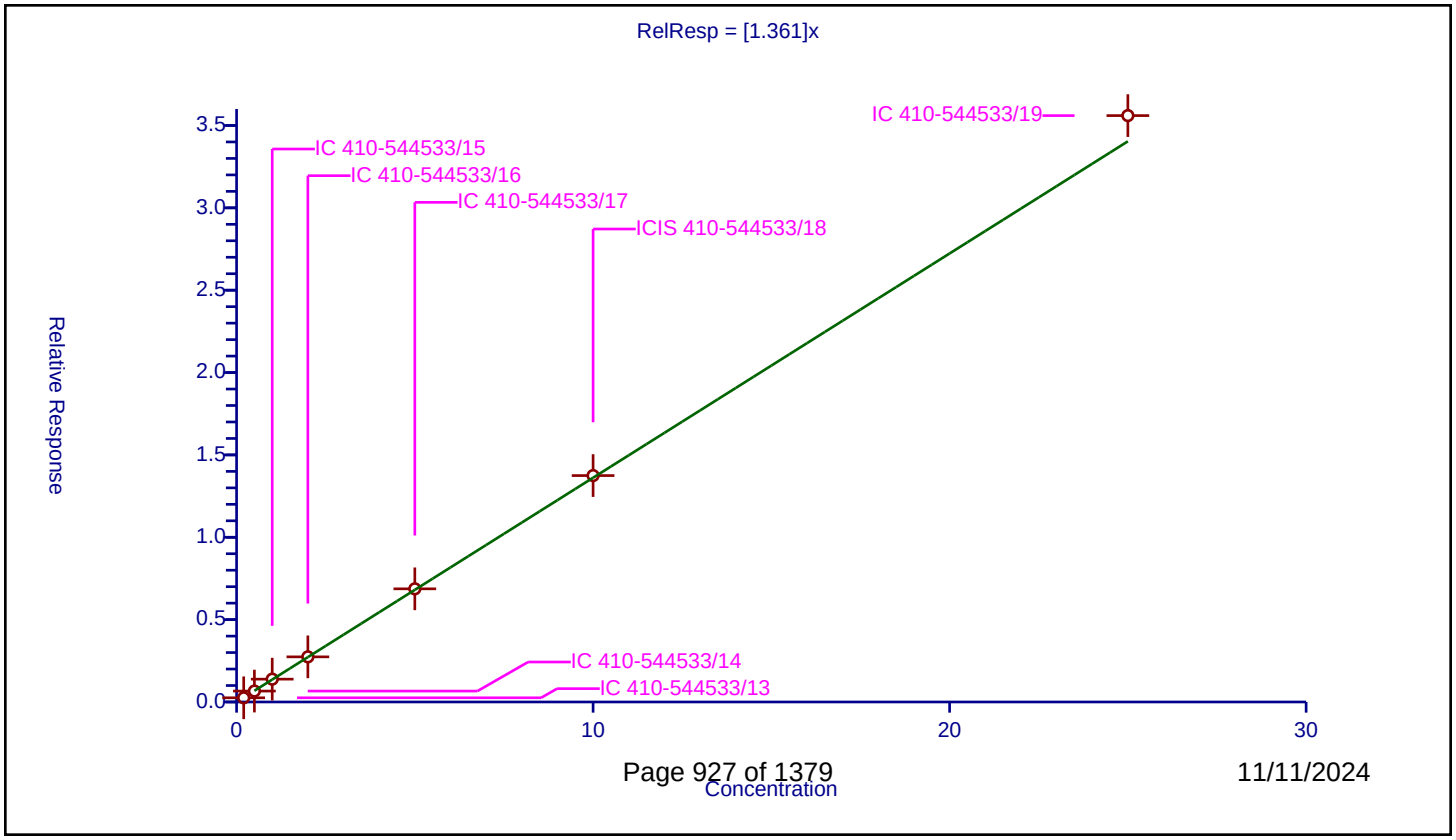
Curve Coefficients

Intercept:	0
Slope:	1.361

Error Coefficients

Relative Standard Deviation:	3.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	0.2	0.25488	10.0	1631829.0	1.274398	Y
2	IC 410-544533/14	0.5	0.663135	10.0	1612597.0	1.326271	Y
3	IC 410-544533/15	1.0	1.386842	10.0	1601394.0	1.386842	Y
4	IC 410-544533/16	2.0	2.740829	10.0	1655098.0	1.370414	Y
5	IC 410-544533/17	5.0	6.869637	10.0	1618352.0	1.373927	Y
6	ICIS 410-544533/18	10.0	13.746164	10.0	1673760.0	1.374616	Y
7	IC 410-544533/19	25.0	35.600562	10.0	1627292.0	1.424022	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

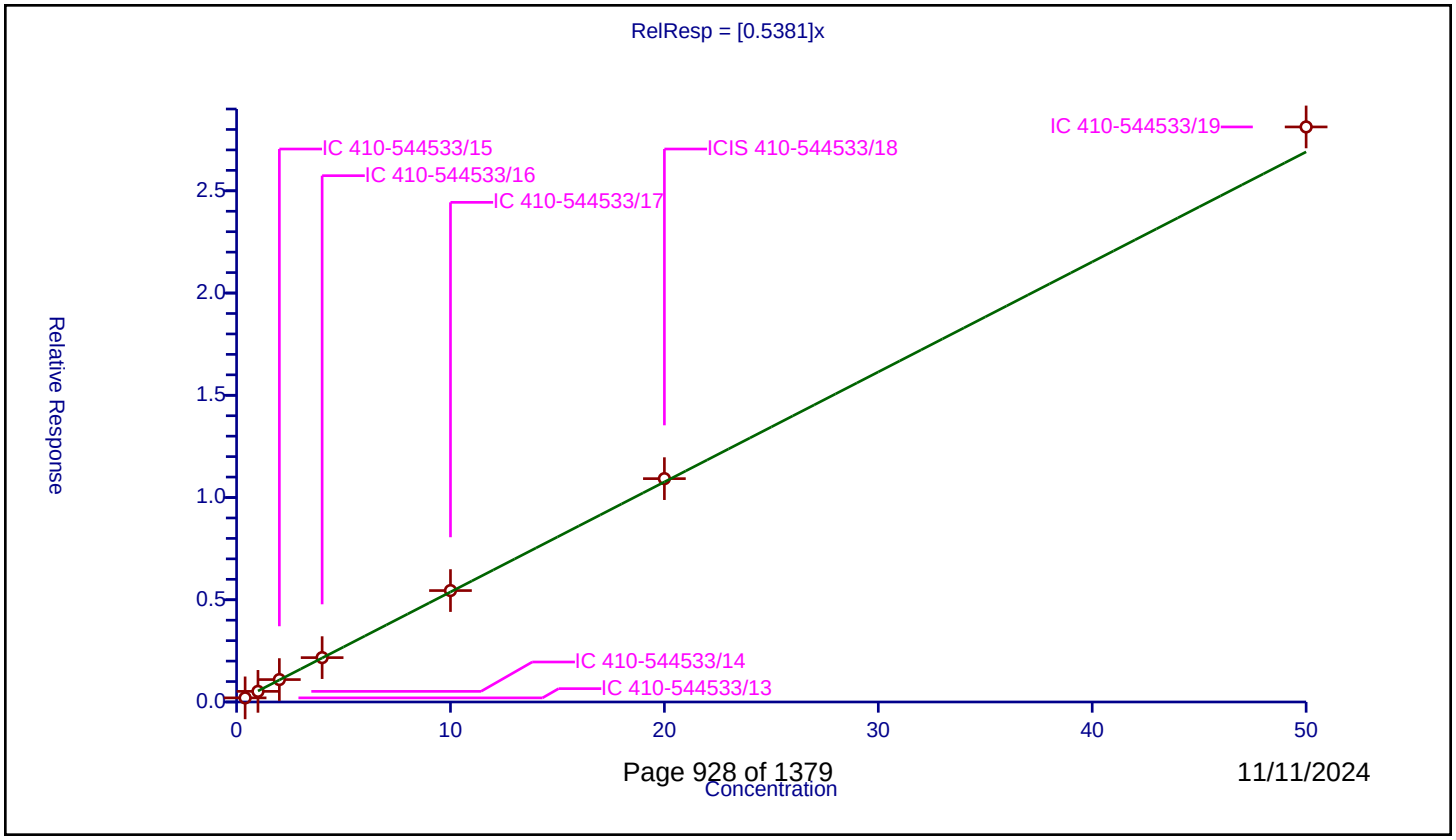
Curve Coefficients

Intercept:	0
Slope:	0.5381

Error Coefficients

Relative Standard Deviation:	3.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	0.4	0.201271	10.0	1631829.0	0.503178	Y
2	IC 410-544533/14	1.0	0.519473	10.0	1612597.0	0.519473	Y
3	IC 410-544533/15	2.0	1.095614	10.0	1601394.0	0.547807	Y
4	IC 410-544533/16	4.0	2.169884	10.0	1655098.0	0.542471	Y
5	IC 410-544533/17	10.0	5.449809	10.0	1618352.0	0.544981	Y
6	ICIS 410-544533/18	20.0	10.922534	10.0	1673760.0	0.546127	Y
7	IC 410-544533/19	50.0	28.123256	10.0	1627292.0	0.562465	Y



Calibration / o-Xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

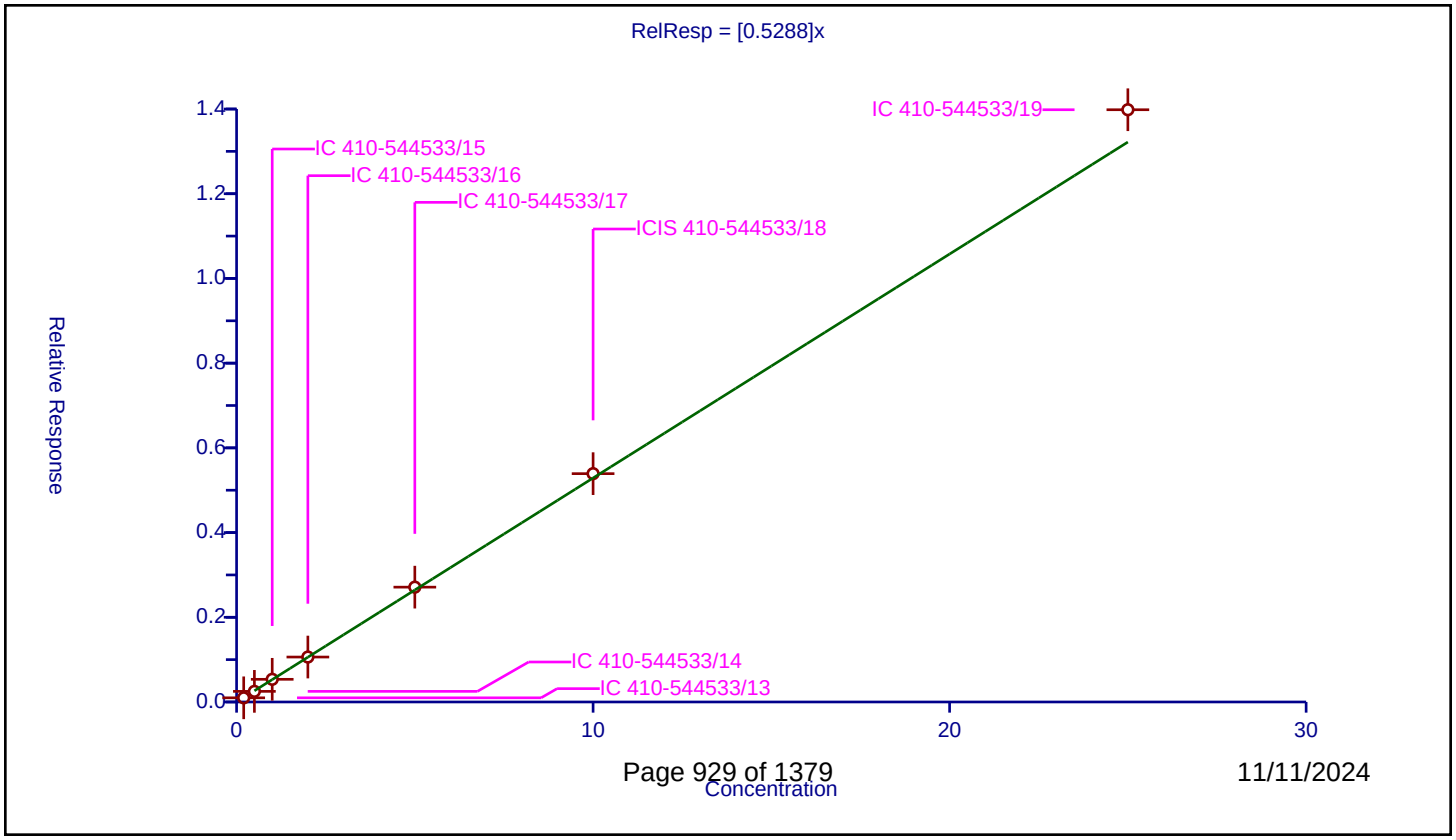
Curve Coefficients

Intercept:	0
Slope:	0.5288

Error Coefficients

Relative Standard Deviation:	4.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	0.2	0.098454	10.0	1631829.0	0.49227	Y
2	IC 410-544533/14	0.5	0.251141	10.0	1612597.0	0.502283	Y
3	IC 410-544533/15	1.0	0.535646	10.0	1601394.0	0.535646	Y
4	IC 410-544533/16	2.0	1.061357	10.0	1655098.0	0.530679	Y
5	IC 410-544533/17	5.0	2.711617	10.0	1618352.0	0.542323	Y
6	ICIS 410-544533/18	10.0	5.391191	10.0	1673760.0	0.539119	Y
7	IC 410-544533/19	25.0	13.982727	10.0	1627292.0	0.559309	Y



Calibration / Styrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

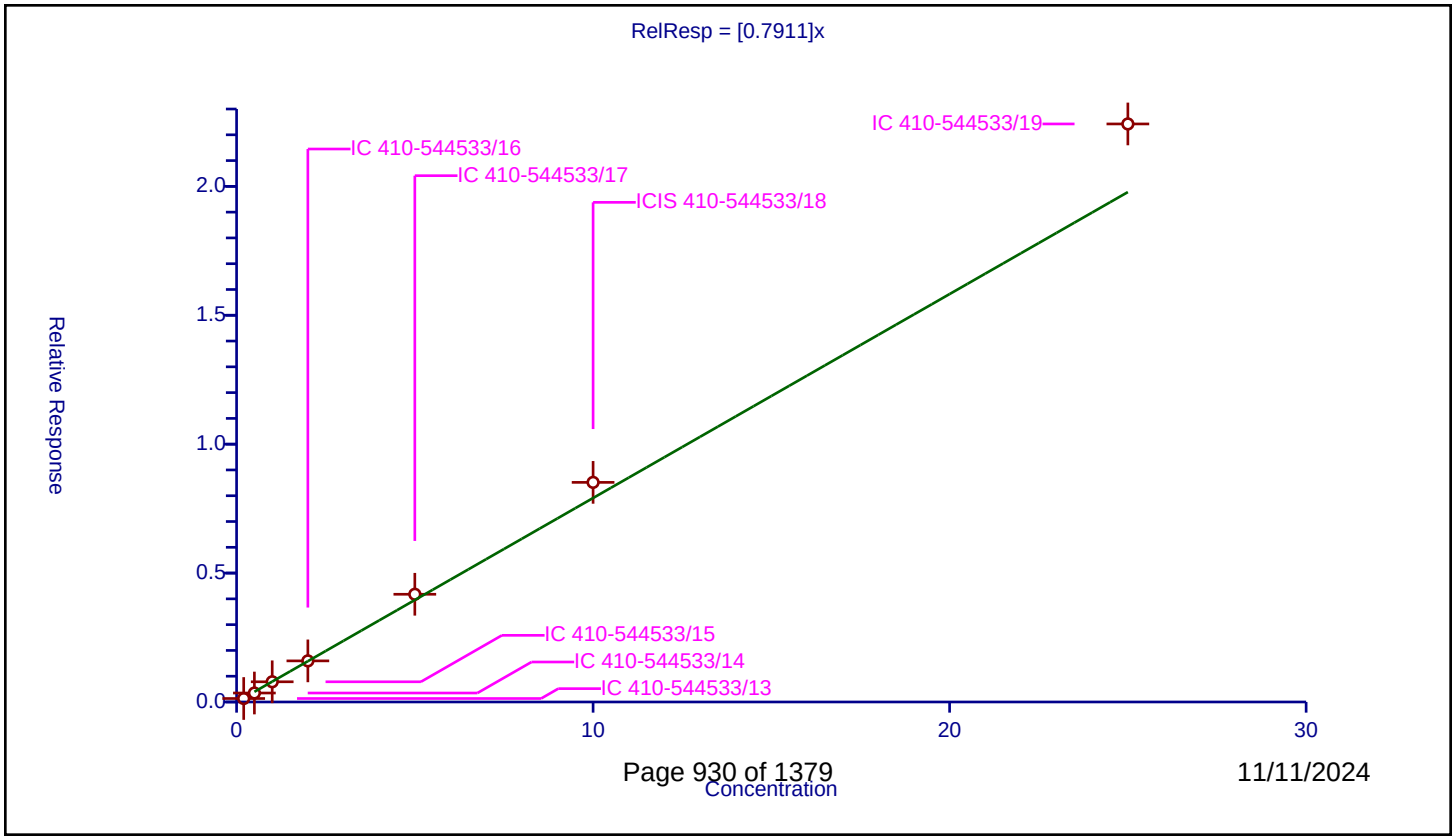
Curve Coefficients

Intercept:	0
Slope:	0.7911

Error Coefficients

Relative Standard Deviation:	10.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	0.2	0.135173	10.0	1631829.0	0.675867	Y
2	IC 410-544533/14	0.5	0.348401	10.0	1612597.0	0.696801	Y
3	IC 410-544533/15	1.0	0.78363	10.0	1601394.0	0.78363	Y
4	IC 410-544533/16	2.0	1.594419	10.0	1655098.0	0.79721	Y
5	IC 410-544533/17	5.0	4.178677	10.0	1618352.0	0.835735	Y
6	ICIS 410-544533/18	10.0	8.518157	10.0	1673760.0	0.851816	Y
7	IC 410-544533/19	25.0	22.42125	10.0	1627292.0	0.89685	Y



Calibration / Bromoform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

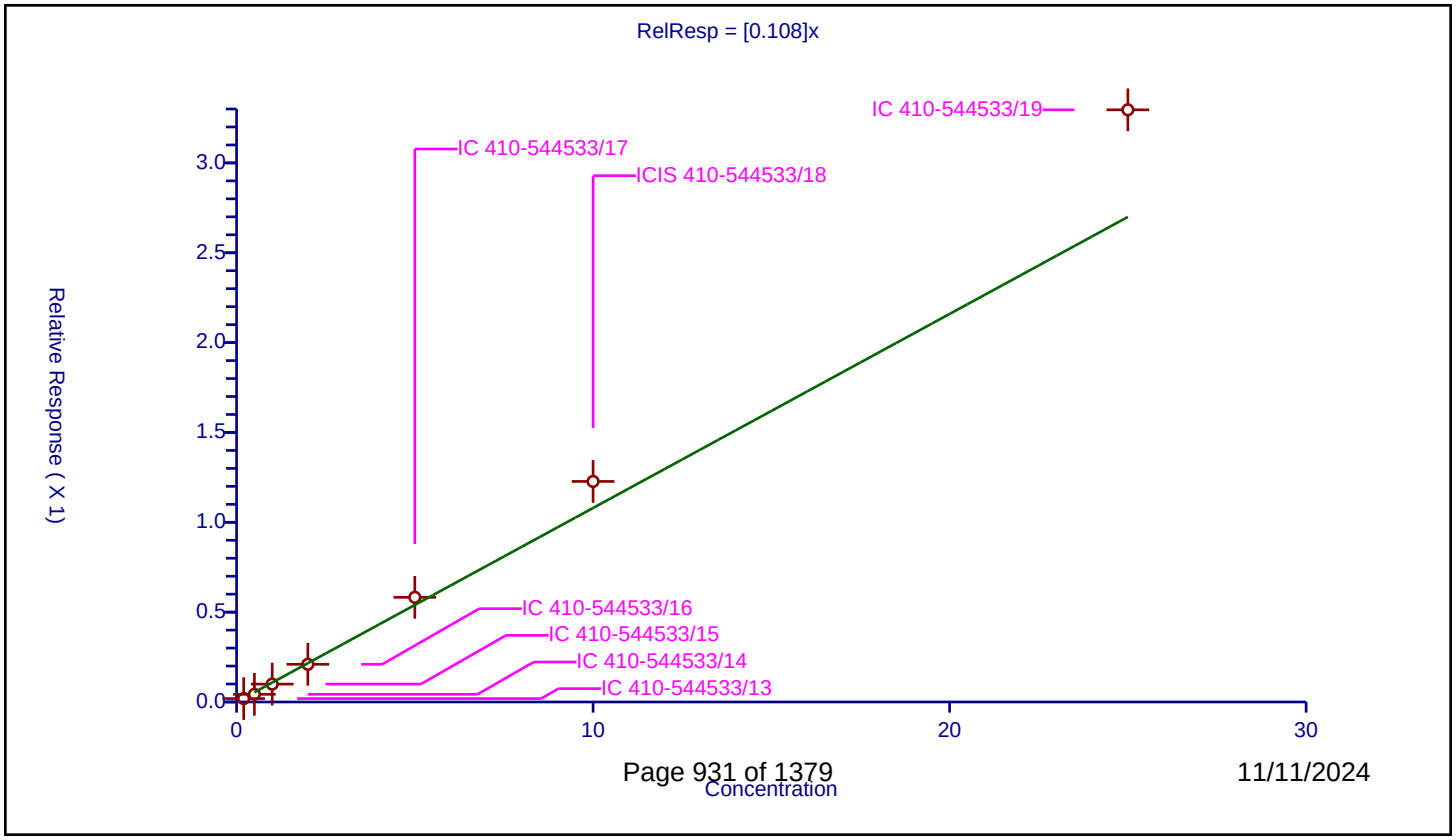
Curve Coefficients

Intercept:	0
Slope:	0.108

Error Coefficients

Relative Standard Deviation:	15.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	0.2	0.018985	10.0	1631829.0	0.094924	Y
2	IC 410-544533/14	0.5	0.042732	10.0	1612597.0	0.085465	Y
3	IC 410-544533/15	1.0	0.099488	10.0	1601394.0	0.099488	Y
4	IC 410-544533/16	2.0	0.209824	10.0	1655098.0	0.104912	Y
5	IC 410-544533/17	5.0	0.582389	10.0	1618352.0	0.116478	Y
6	ICIS 410-544533/18	10.0	1.227332	10.0	1673760.0	0.122733	Y
7	IC 410-544533/19	25.0	3.295549	10.0	1627292.0	0.131822	Y



Calibration / Isopropylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

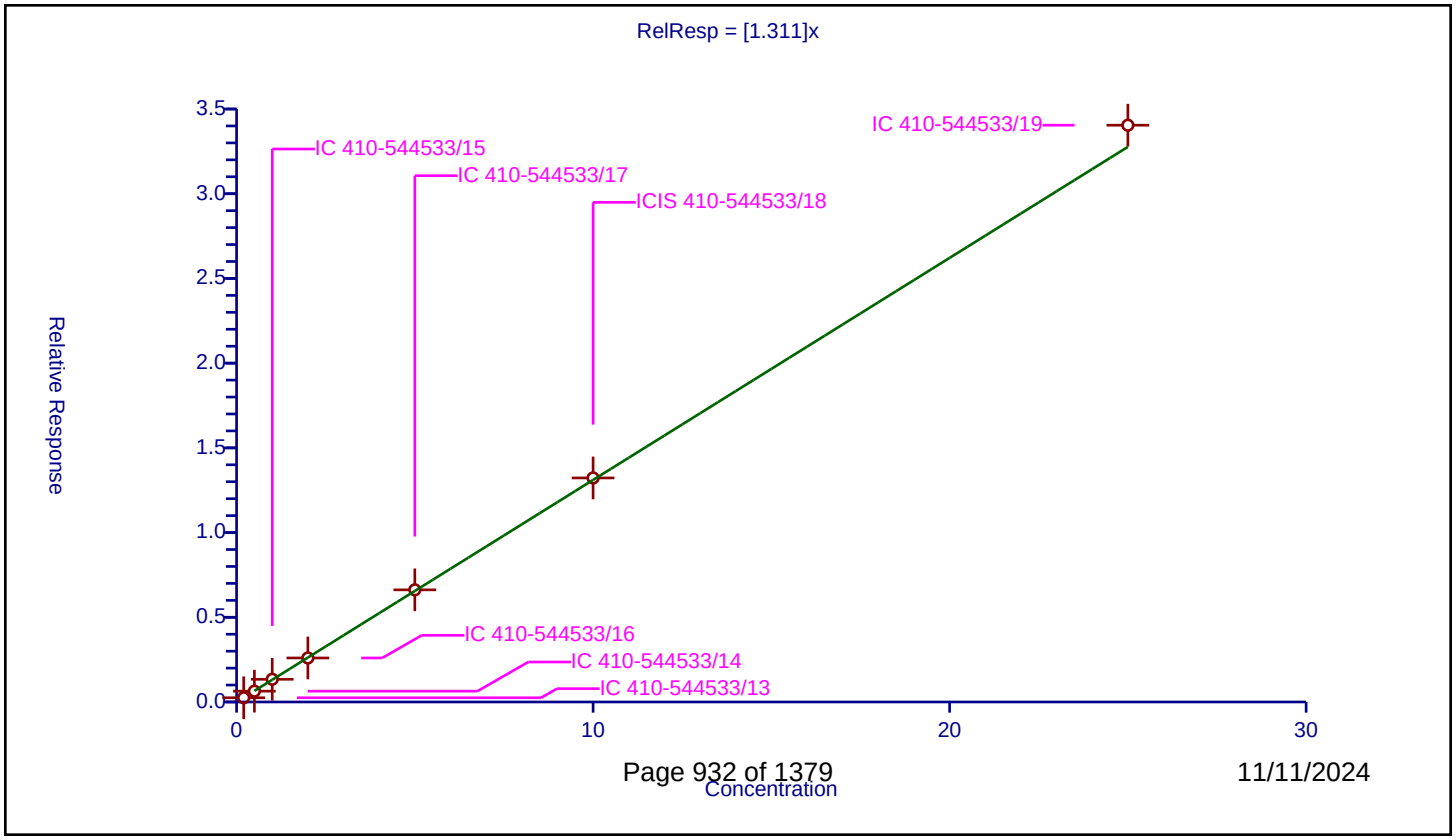
Curve Coefficients

Intercept:	0
Slope:	1.311

Error Coefficients

Relative Standard Deviation:	2.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	0.2	0.249407	10.0	1631829.0	1.247036	Y
2	IC 410-544533/14	0.5	0.640259	10.0	1612597.0	1.280518	Y
3	IC 410-544533/15	1.0	1.339477	10.0	1601394.0	1.339477	Y
4	IC 410-544533/16	2.0	2.59816	10.0	1655098.0	1.29908	Y
5	IC 410-544533/17	5.0	6.61903	10.0	1618352.0	1.323806	Y
6	ICIS 410-544533/18	10.0	13.224554	10.0	1673760.0	1.322455	Y
7	IC 410-544533/19	25.0	34.043933	10.0	1627292.0	1.361757	Y



Calibration / 4-Bromofluorobenzene (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

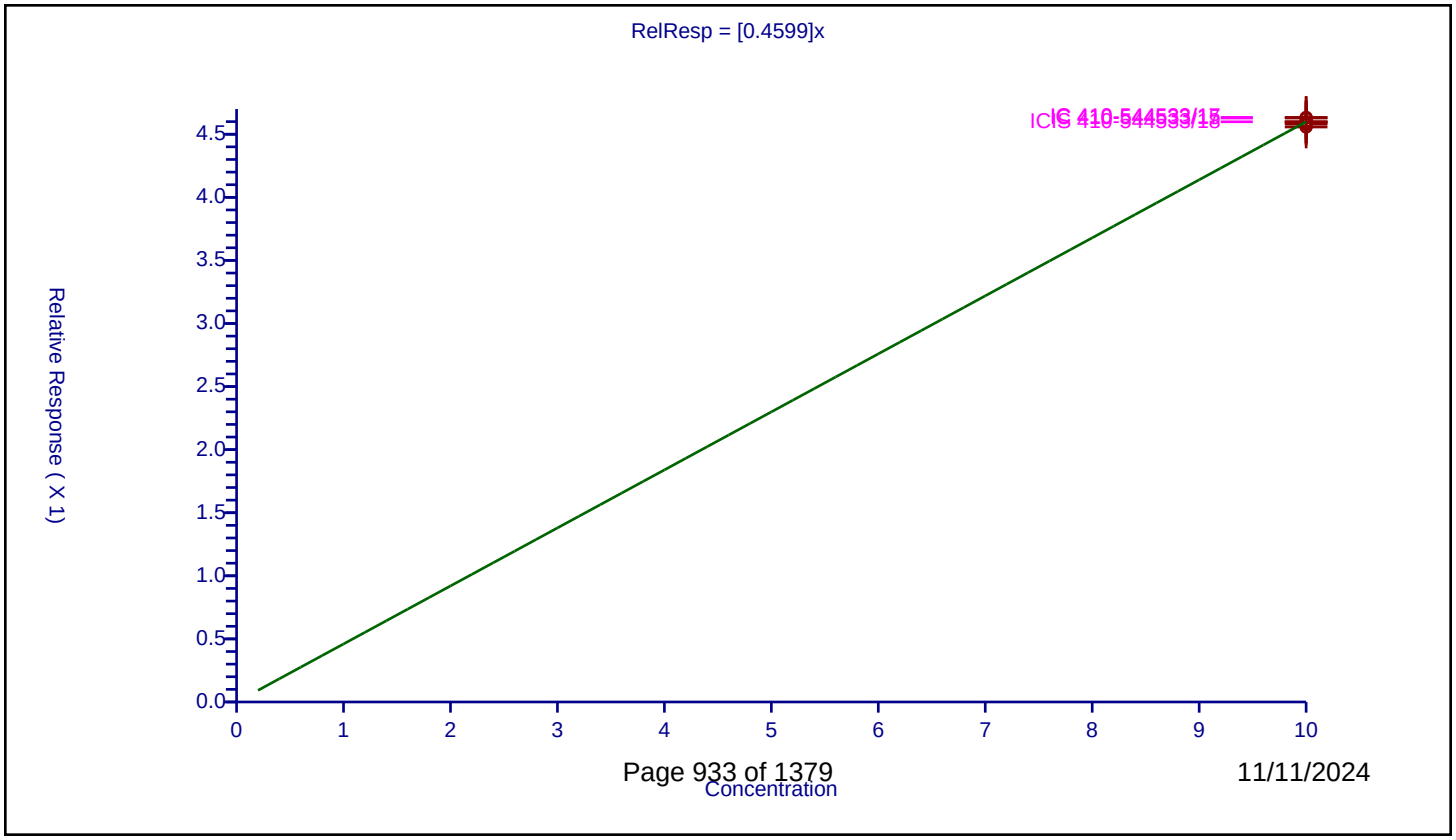
Curve Coefficients

Intercept:	0
Slope:	0.4599

Error Coefficients

Relative Standard Deviation:	0.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	10.0	4.594844	10.0	1631829.0	0.459484	Y
2	IC 410-544533/14	10.0	4.579768	10.0	1612597.0	0.457977	Y
3	IC 410-544533/15	10.0	4.628368	10.0	1601394.0	0.462837	Y
4	IC 410-544533/16	10.0	4.598145	10.0	1655098.0	0.459814	Y
5	IC 410-544533/17	10.0	4.633541	10.0	1618352.0	0.463354	Y
6	ICIS 410-544533/18	10.0	4.598778	10.0	1673760.0	0.459878	Y
7	IC 410-544533/19	10.0	4.557412	10.0	1627292.0	0.455741	Y



11/11/2024

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

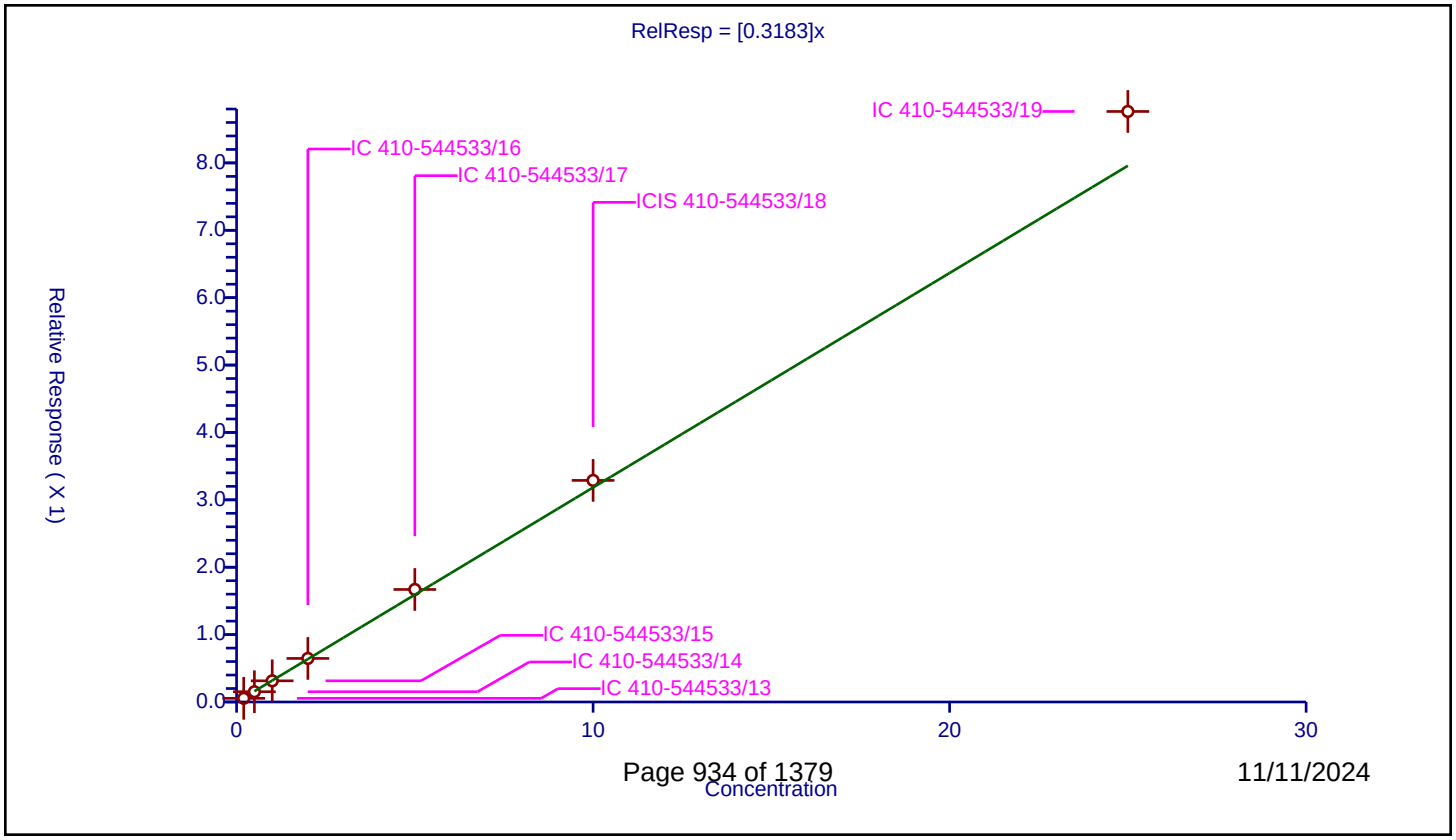
Curve Coefficients

Intercept:	0
Slope:	0.3183

Error Coefficients

Relative Standard Deviation:	7.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	0.2	0.05458	10.0	925988.0	0.272898	Y
2	IC 410-544533/14	0.5	0.152347	10.0	895392.0	0.304693	Y
3	IC 410-544533/15	1.0	0.313907	10.0	913741.0	0.313907	Y
4	IC 410-544533/16	2.0	0.646614	10.0	920457.0	0.323307	Y
5	IC 410-544533/17	5.0	1.669778	10.0	909540.0	0.333956	Y
6	ICIS 410-544533/18	10.0	3.28833	10.0	940827.0	0.328833	Y
7	IC 410-544533/19	25.0	8.763744	10.0	891911.0	0.35055	Y



Calibration / Bromobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

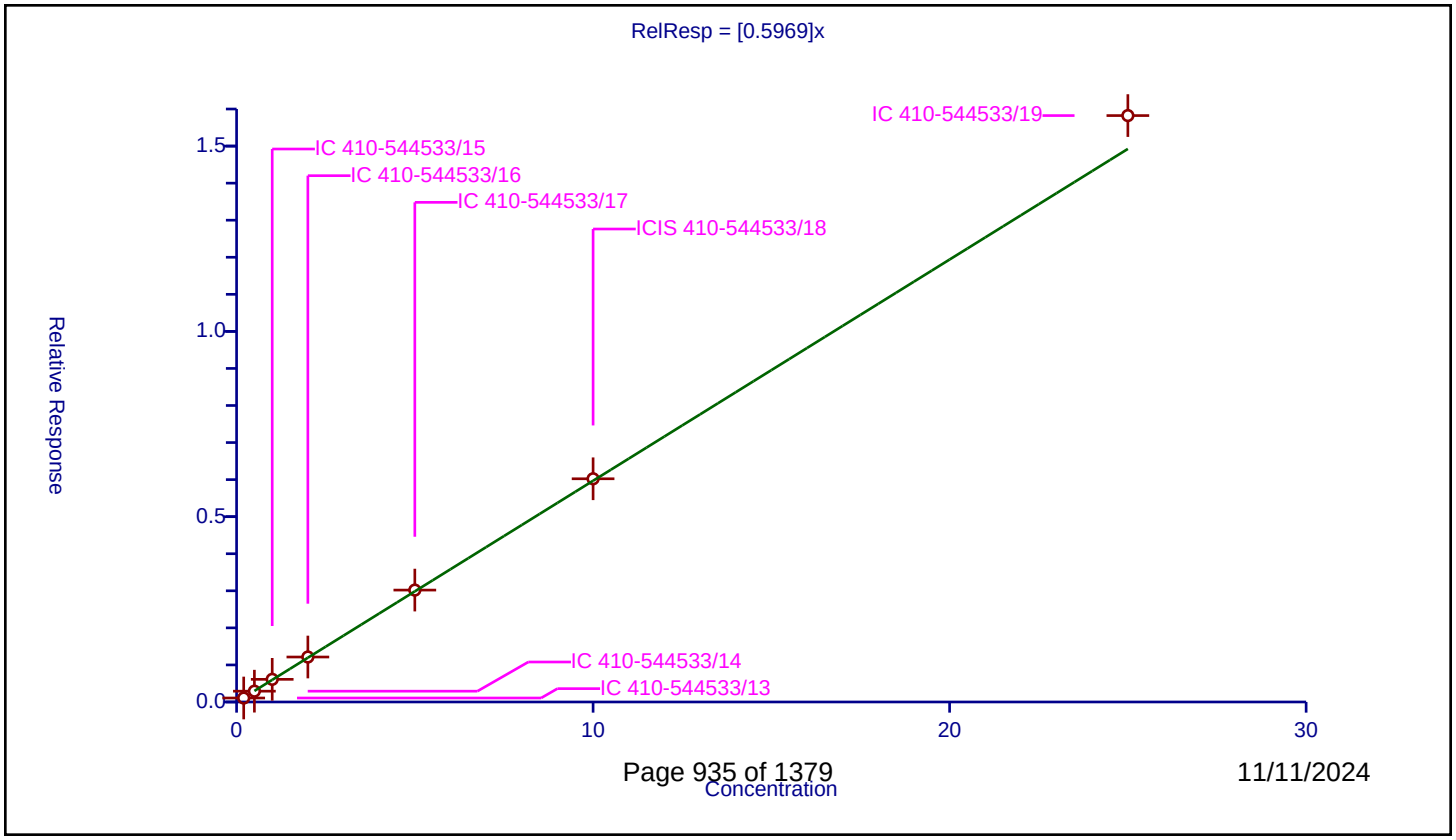
Curve Coefficients

Intercept:	0
Slope:	0.5969

Error Coefficients

Relative Standard Deviation:	5.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	0.2	0.107572	10.0	925988.0	0.537858	Y
2	IC 410-544533/14	0.5	0.291894	10.0	895392.0	0.583789	Y
3	IC 410-544533/15	1.0	0.610939	10.0	913741.0	0.610939	Y
4	IC 410-544533/16	2.0	1.213745	10.0	920457.0	0.606872	Y
5	IC 410-544533/17	5.0	3.019328	10.0	909540.0	0.603866	Y
6	ICIS 410-544533/18	10.0	6.022669	10.0	940827.0	0.602267	Y
7	IC 410-544533/19	25.0	15.822801	10.0	891911.0	0.632912	Y



11/11/2024

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

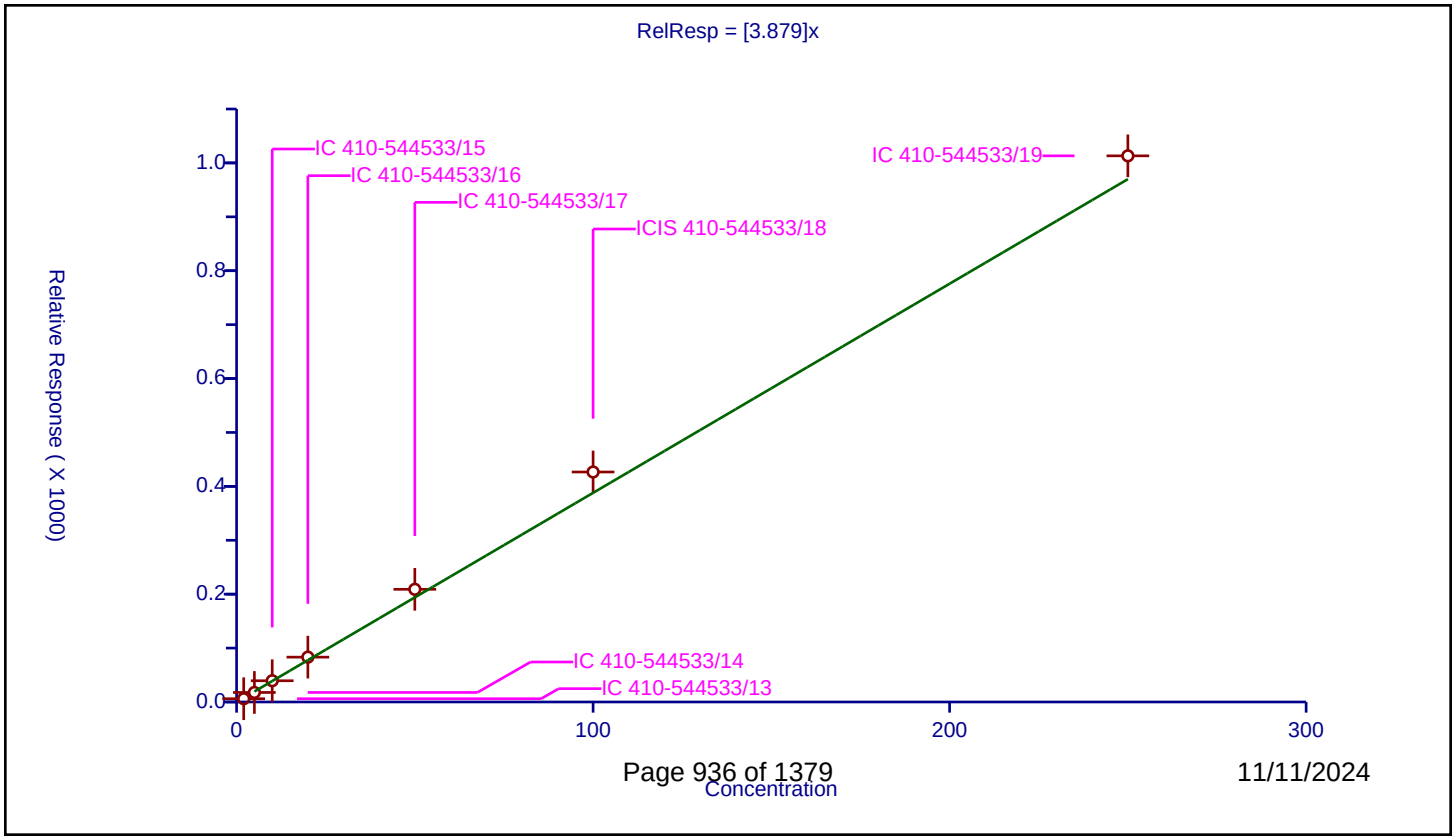
Curve Coefficients

Intercept:	0
Slope:	3.879

Error Coefficients

Relative Standard Deviation:	11.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	2.0	6.038505	50.0	84665.0	3.019252	Y
2	IC 410-544533/14	5.0	17.681327	50.0	81193.0	3.536265	Y
3	IC 410-544533/15	10.0	39.414136	50.0	80872.0	3.941414	Y
4	IC 410-544533/16	20.0	83.19319	50.0	82059.0	4.15966	Y
5	IC 410-544533/17	50.0	209.021009	50.0	83821.0	4.18042	Y
6	ICIS 410-544533/18	100.0	426.6552	50.0	86334.0	4.266552	Y
7	IC 410-544533/19	250.0	1013.148074	50.0	92987.0	4.052592	Y



11/11/2024

Calibration / 1,2,3-Trichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

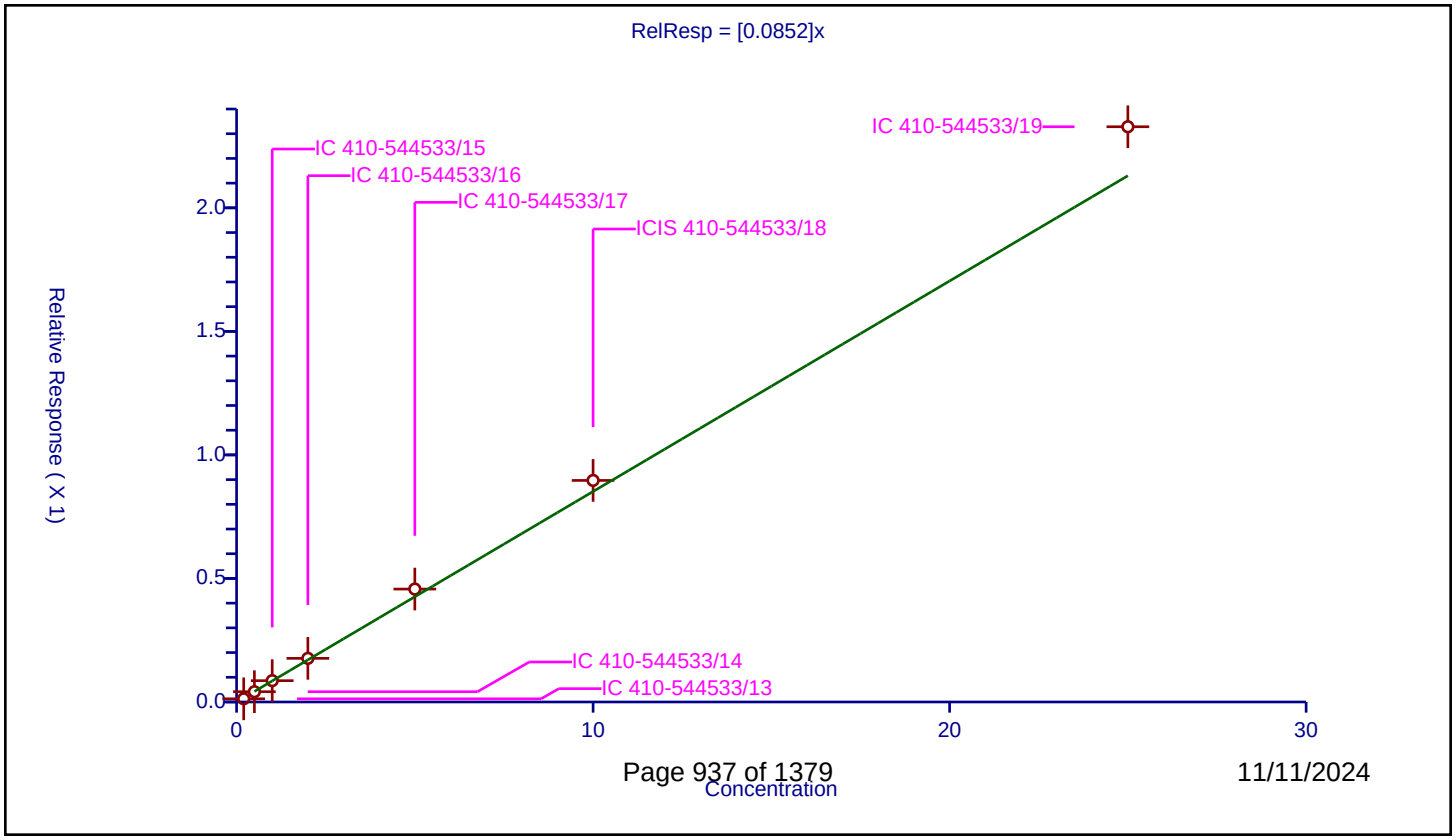
Curve Coefficients

Intercept:	0
Slope:	0.0852

Error Coefficients

Relative Standard Deviation:	11.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	0.2	0.012862	10.0	925988.0	0.06431	Y
2	IC 410-544533/14	0.5	0.041658	10.0	895392.0	0.083315	Y
3	IC 410-544533/15	1.0	0.086239	10.0	913741.0	0.086239	Y
4	IC 410-544533/16	2.0	0.176586	10.0	920457.0	0.088293	Y
5	IC 410-544533/17	5.0	0.457077	10.0	909540.0	0.091415	Y
6	ICIS 410-544533/18	10.0	0.896754	10.0	940827.0	0.089675	Y
7	IC 410-544533/19	25.0	2.328248	10.0	891911.0	0.09313	Y



Calibration / N-Propylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

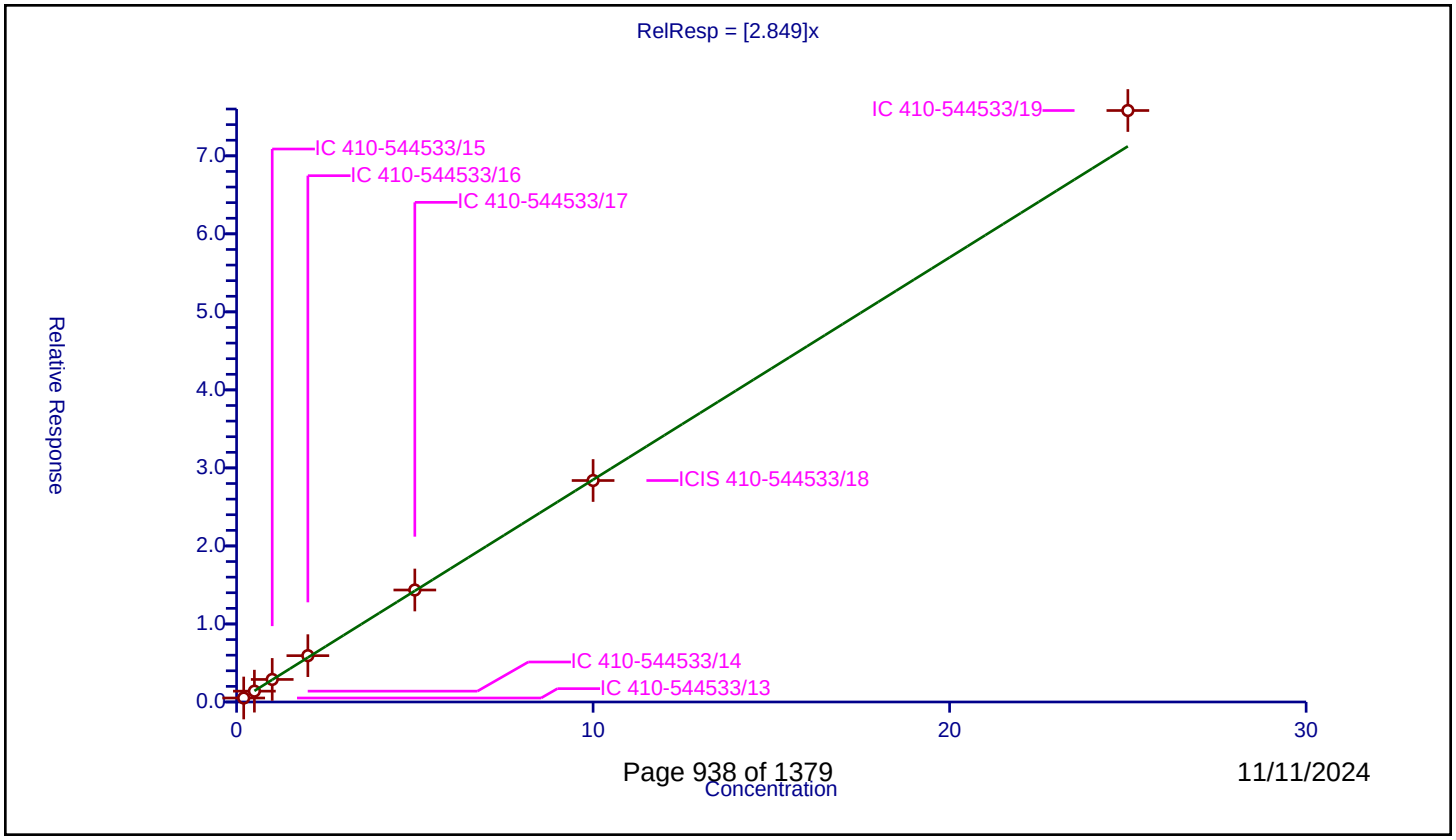
Curve Coefficients

Intercept:	0
Slope:	2.849

Error Coefficients

Relative Standard Deviation:	5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	0.2	0.512555	10.0	925988.0	2.562776	Y
2	IC 410-544533/14	0.5	1.390062	10.0	895392.0	2.780123	Y
3	IC 410-544533/15	1.0	2.889013	10.0	913741.0	2.889013	Y
4	IC 410-544533/16	2.0	5.938159	10.0	920457.0	2.969079	Y
5	IC 410-544533/17	5.0	14.35176	10.0	909540.0	2.870352	Y
6	ICIS 410-544533/18	10.0	28.385102	10.0	940827.0	2.83851	Y
7	IC 410-544533/19	25.0	75.809212	10.0	891911.0	3.032368	Y



Calibration / 2-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

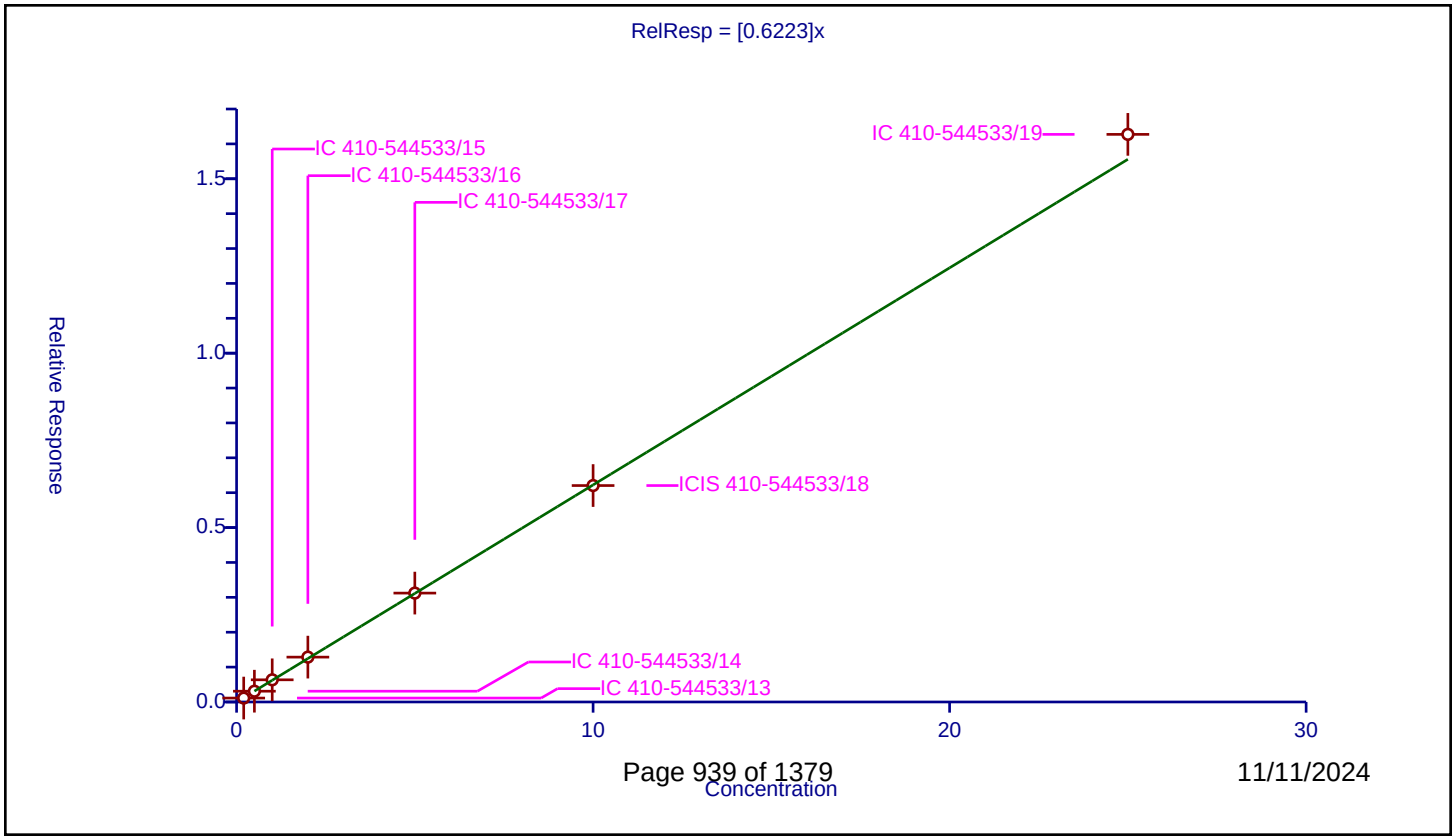
Curve Coefficients

Intercept:	0
Slope:	0.6223

Error Coefficients

Relative Standard Deviation:	4.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	0.2	0.11269	10.0	925988.0	0.563452	Y
2	IC 410-544533/14	0.5	0.309306	10.0	895392.0	0.618612	Y
3	IC 410-544533/15	1.0	0.635344	10.0	913741.0	0.635344	Y
4	IC 410-544533/16	2.0	1.286252	10.0	920457.0	0.643126	Y
5	IC 410-544533/17	5.0	3.121578	10.0	909540.0	0.624316	Y
6	ICIS 410-544533/18	10.0	6.205073	10.0	940827.0	0.620507	Y
7	IC 410-544533/19	25.0	16.273182	10.0	891911.0	0.650927	Y



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Calibration / 1,3,5-Trimethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

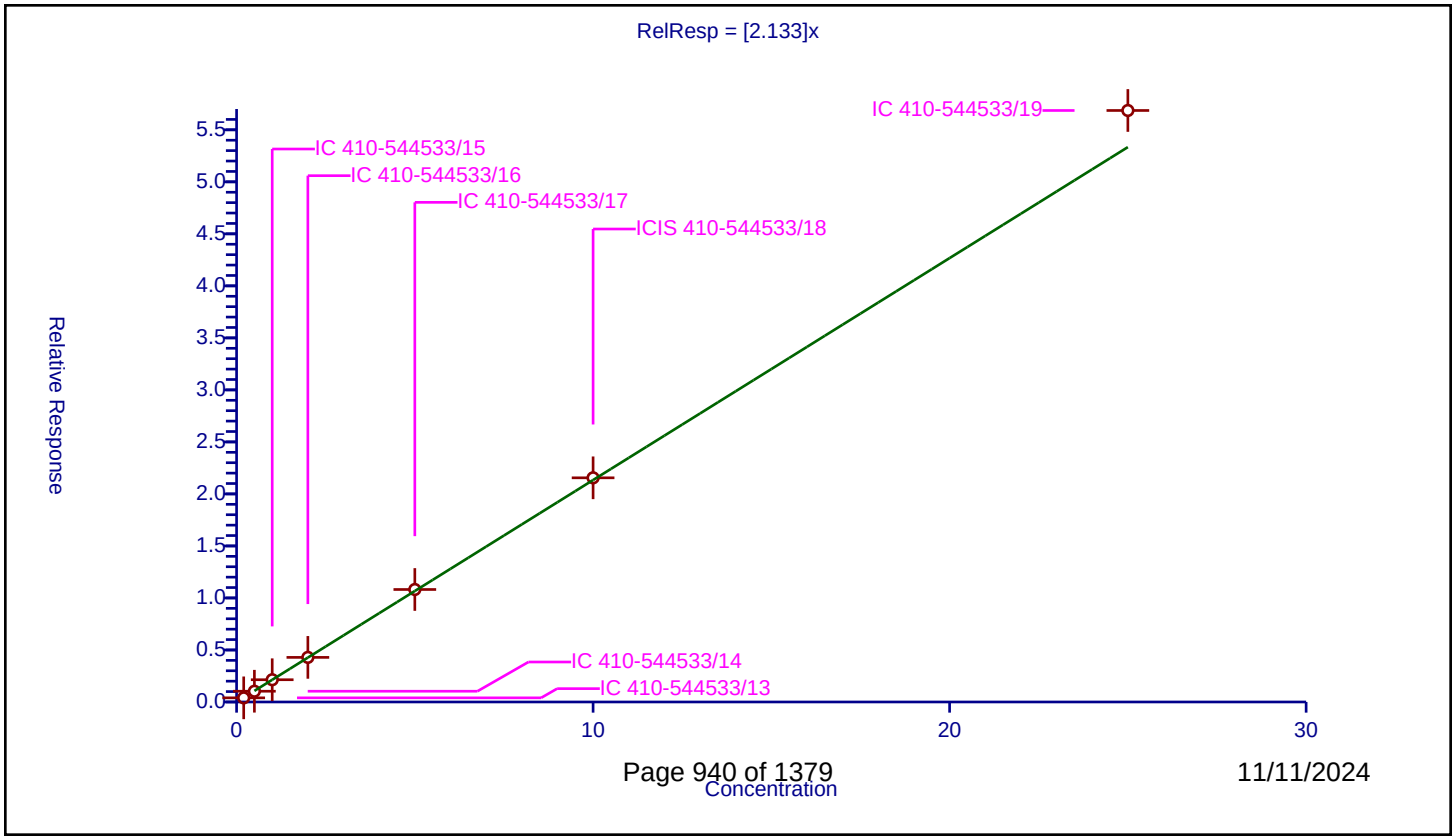
Curve Coefficients

Intercept:	0
Slope:	2.133

Error Coefficients

Relative Standard Deviation:	4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	0.2	0.398709	10.0	925988.0	1.993546	Y
2	IC 410-544533/14	0.5	1.03367	10.0	895392.0	2.06734	Y
3	IC 410-544533/15	1.0	2.138254	10.0	913741.0	2.138254	Y
4	IC 410-544533/16	2.0	4.286957	10.0	920457.0	2.143479	Y
5	IC 410-544533/17	5.0	10.813389	10.0	909540.0	2.162678	Y
6	ICIS 410-544533/18	10.0	21.547883	10.0	940827.0	2.154788	Y
7	IC 410-544533/19	25.0	56.858498	10.0	891911.0	2.27434	Y



Calibration / 4-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

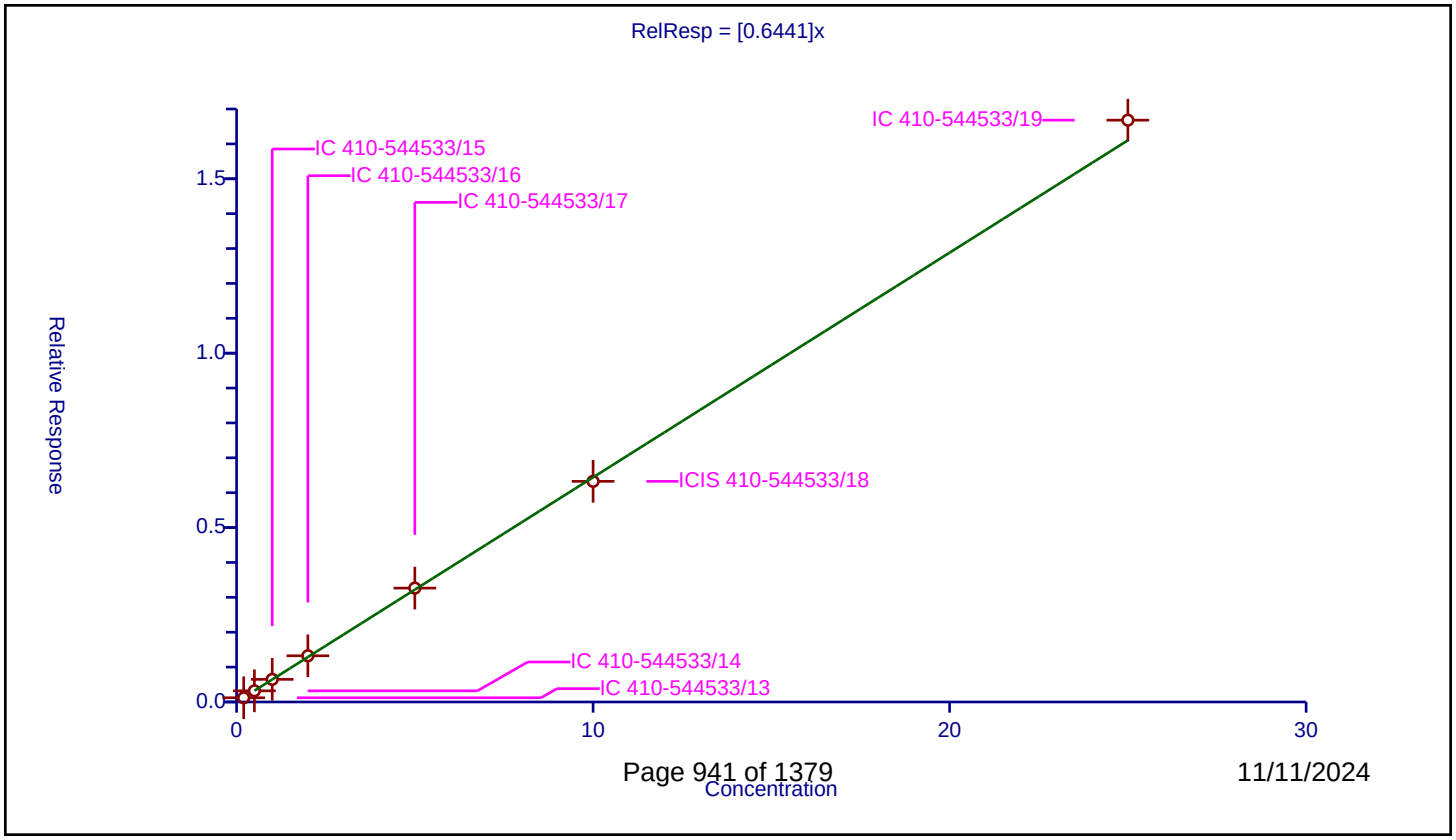
Curve Coefficients

Intercept:	0
Slope:	0.6441

Error Coefficients

Relative Standard Deviation:	3.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	0.2	0.121135	10.0	925988.0	0.605677	Y
2	IC 410-544533/14	0.5	0.319648	10.0	895392.0	0.639295	Y
3	IC 410-544533/15	1.0	0.648488	10.0	913741.0	0.648488	Y
4	IC 410-544533/16	2.0	1.324592	10.0	920457.0	0.662296	Y
5	IC 410-544533/17	5.0	3.26465	10.0	909540.0	0.65293	Y
6	ICIS 410-544533/18	10.0	6.326264	10.0	940827.0	0.632626	Y
7	IC 410-544533/19	25.0	16.680386	10.0	891911.0	0.667215	Y



11/11/2024

Calibration / tert-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

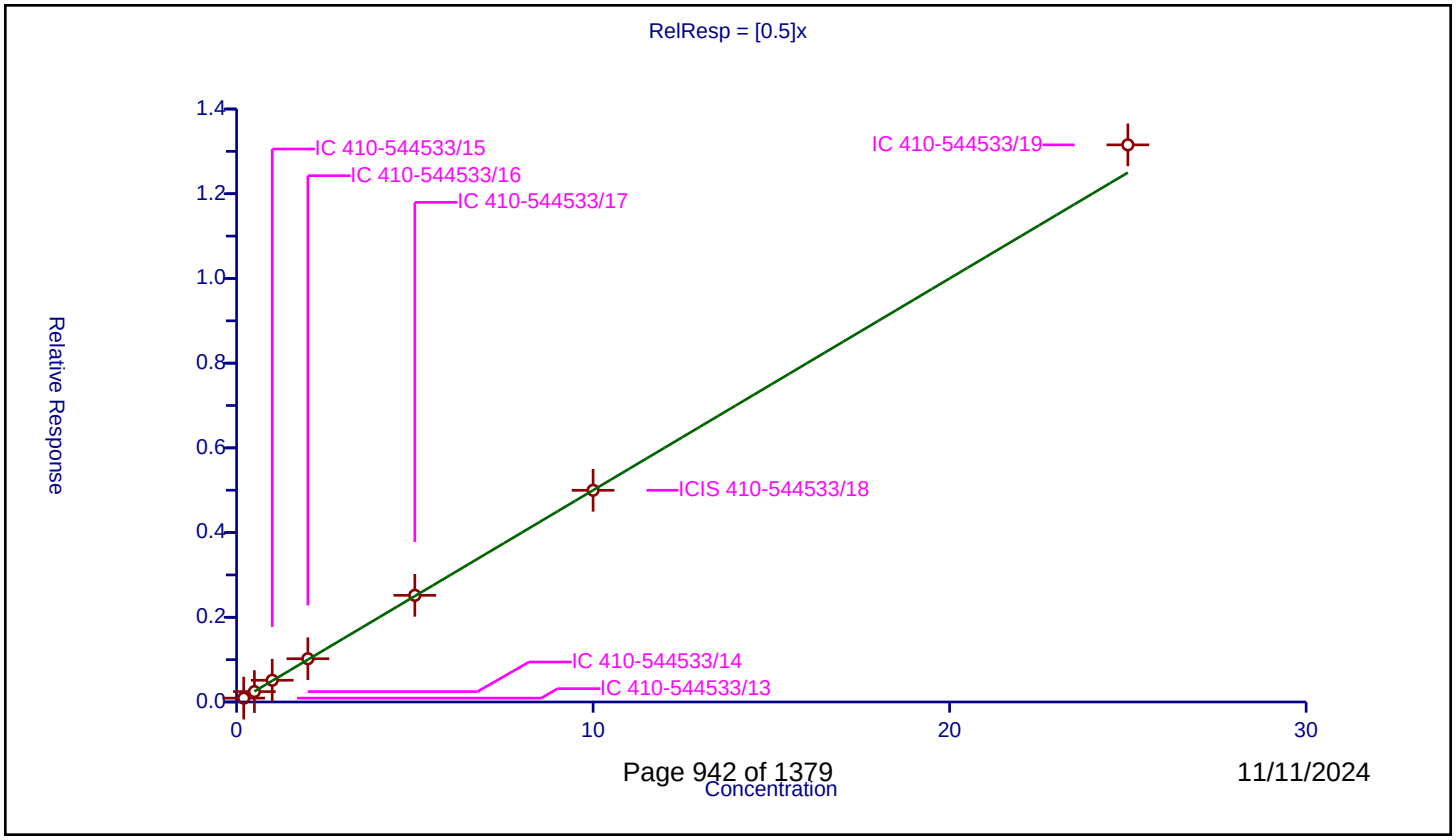
Curve Coefficients

Intercept:	0
Slope:	0.5

Error Coefficients

Relative Standard Deviation:	4.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	0.2	0.091157	10.0	925988.0	0.455783	Y
2	IC 410-544533/14	0.5	0.245379	10.0	895392.0	0.490757	Y
3	IC 410-544533/15	1.0	0.512826	10.0	913741.0	0.512826	Y
4	IC 410-544533/16	2.0	1.021482	10.0	920457.0	0.510741	Y
5	IC 410-544533/17	5.0	2.518372	10.0	909540.0	0.503674	Y
6	ICIS 410-544533/18	10.0	4.998018	10.0	940827.0	0.499802	Y
7	IC 410-544533/19	25.0	13.154082	10.0	891911.0	0.526163	Y



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Calibration / Pentachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

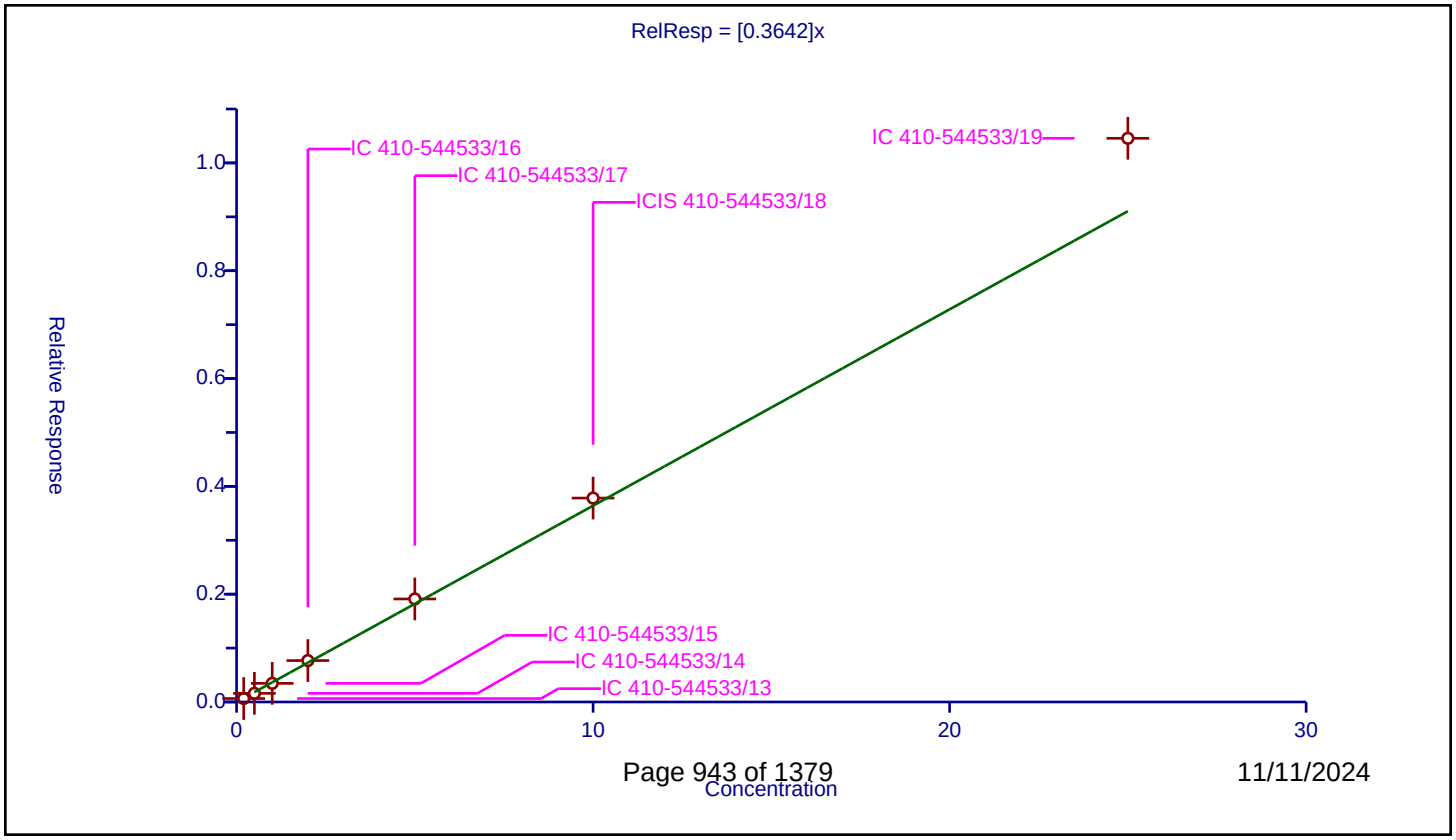
Curve Coefficients

Intercept:	0
Slope:	0.3642

Error Coefficients

Relative Standard Deviation:	10.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	0.2	0.064072	10.0	925988.0	0.320361	Y
2	IC 410-544533/14	0.5	0.160131	10.0	895392.0	0.320262	Y
3	IC 410-544533/15	1.0	0.345568	10.0	913741.0	0.345568	Y
4	IC 410-544533/16	2.0	0.768531	10.0	920457.0	0.384266	Y
5	IC 410-544533/17	5.0	1.91101	10.0	909540.0	0.382202	Y
6	ICIS 410-544533/18	10.0	3.782481	10.0	940827.0	0.378248	Y
7	IC 410-544533/19	25.0	10.456851	10.0	891911.0	0.418274	Y



Calibration / 1,2,4-Trimethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

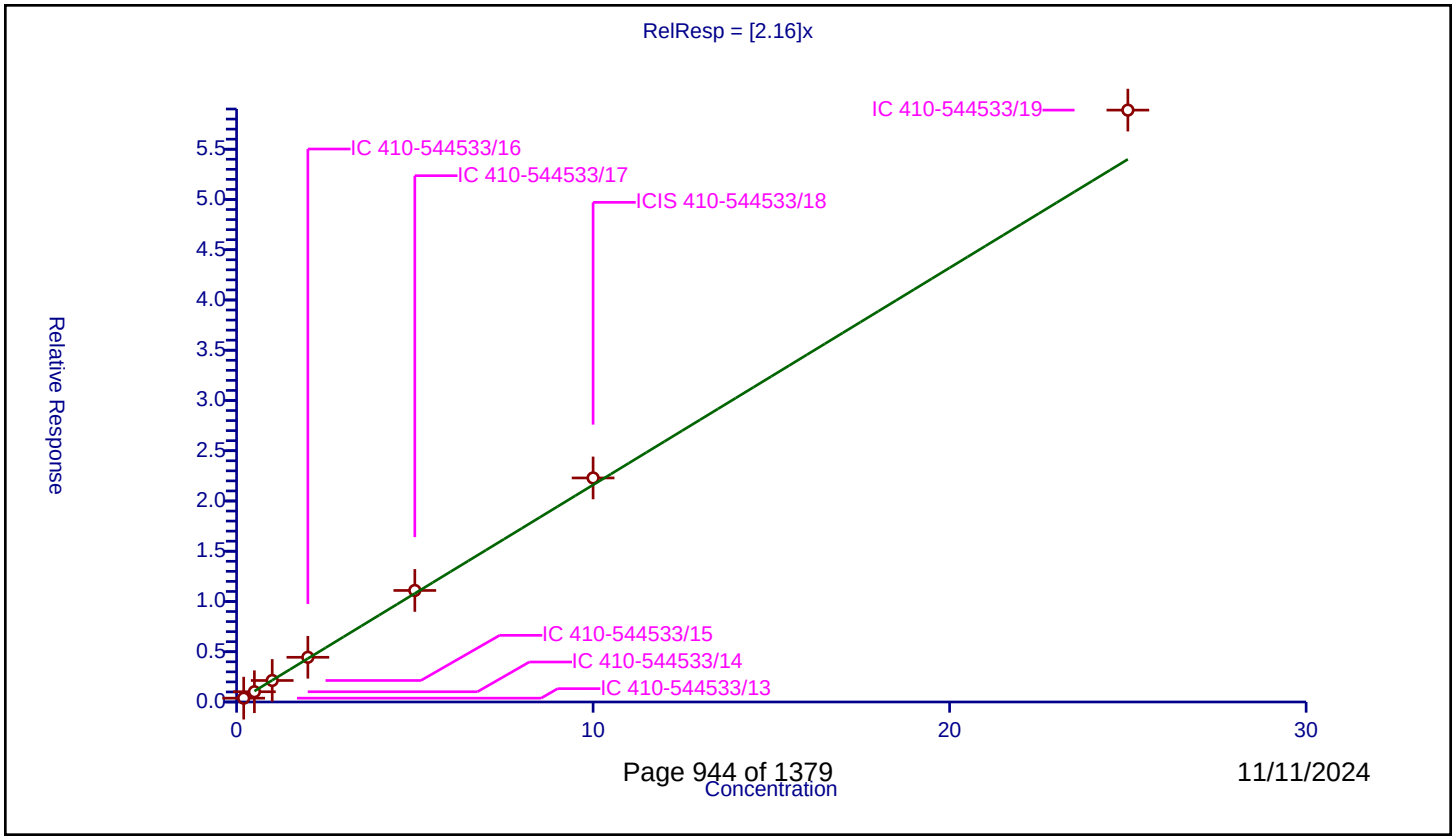
Curve Coefficients

Intercept:	0
Slope:	2.16

Error Coefficients

Relative Standard Deviation:	6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	0.2	0.382014	10.0	925988.0	1.910068	Y
2	IC 410-544533/14	0.5	1.020413	10.0	895392.0	2.040827	Y
3	IC 410-544533/15	1.0	2.140322	10.0	913741.0	2.140322	Y
4	IC 410-544533/16	2.0	4.447399	10.0	920457.0	2.2237	Y
5	IC 410-544533/17	5.0	11.09861	10.0	909540.0	2.219722	Y
6	ICIS 410-544533/18	10.0	22.291038	10.0	940827.0	2.229104	Y
7	IC 410-544533/19	25.0	58.891986	10.0	891911.0	2.355679	Y



Calibration / sec-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

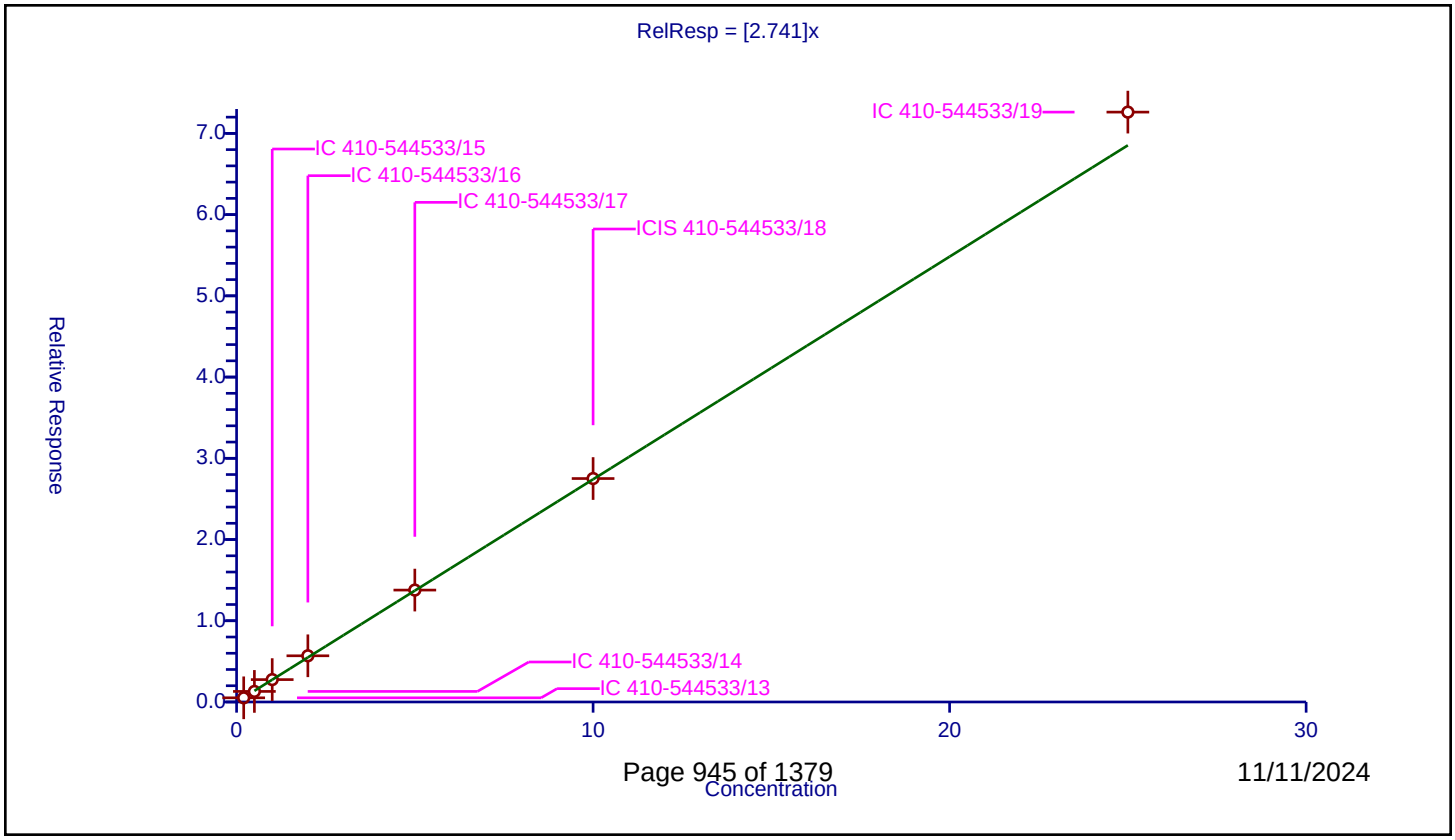
Curve Coefficients

Intercept:	0
Slope:	2.741

Error Coefficients

Relative Standard Deviation:	4.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	0.2	0.515223	10.0	925988.0	2.576113	Y
2	IC 410-544533/14	0.5	1.300201	10.0	895392.0	2.600403	Y
3	IC 410-544533/15	1.0	2.757346	10.0	913741.0	2.757346	Y
4	IC 410-544533/16	2.0	5.687816	10.0	920457.0	2.843908	Y
5	IC 410-544533/17	5.0	13.778163	10.0	909540.0	2.755633	Y
6	ICIS 410-544533/18	10.0	27.508851	10.0	940827.0	2.750885	Y
7	IC 410-544533/19	25.0	72.618591	10.0	891911.0	2.904744	Y



Calibration / 1,3-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

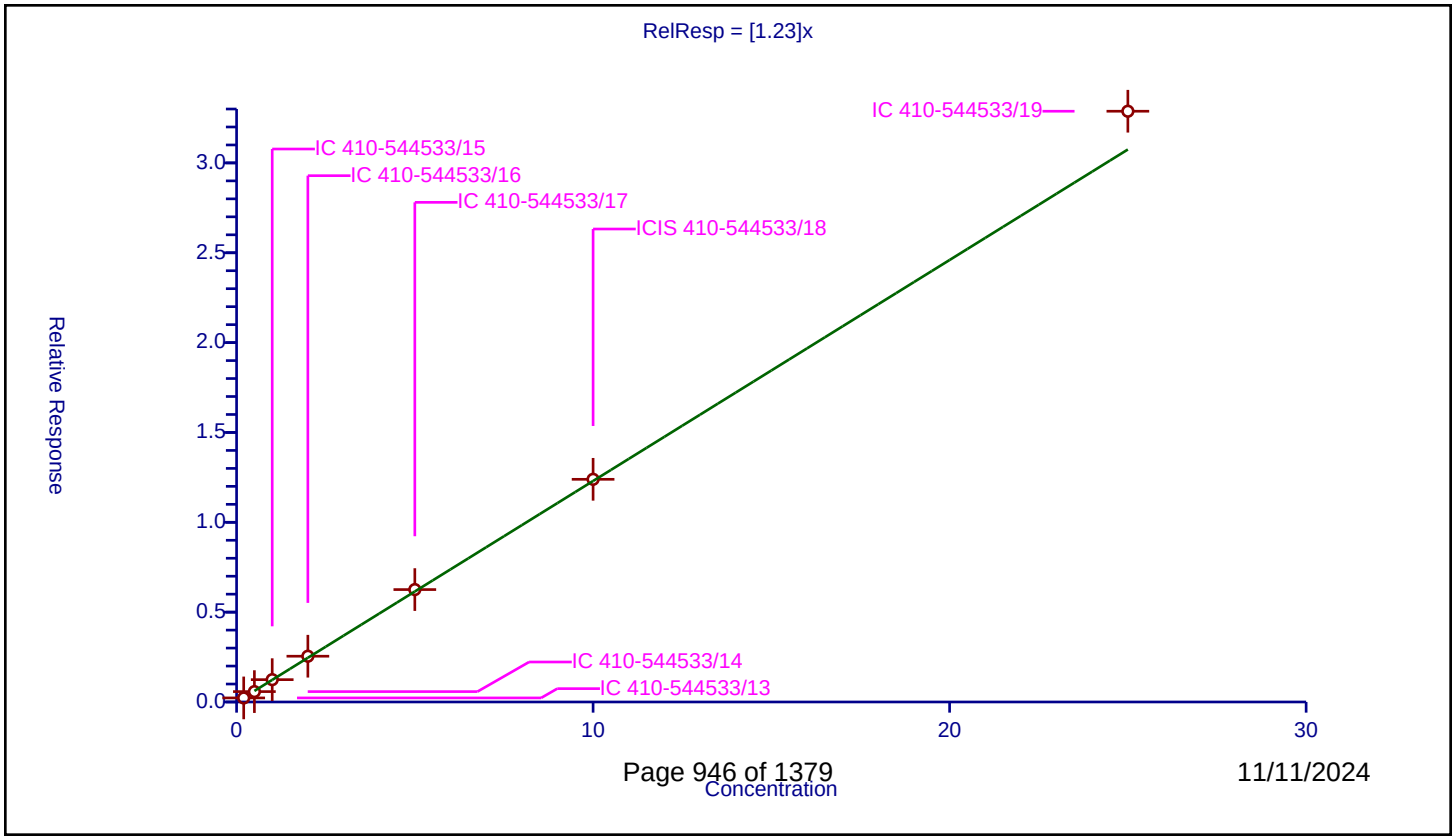
Curve Coefficients

Intercept:	0
Slope:	1.23

Error Coefficients

Relative Standard Deviation:	5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	0.2	0.226212	10.0	925988.0	1.131062	Y
2	IC 410-544533/14	0.5	0.577792	10.0	895392.0	1.155583	Y
3	IC 410-544533/15	1.0	1.243109	10.0	913741.0	1.243109	Y
4	IC 410-544533/16	2.0	2.547941	10.0	920457.0	1.27397	Y
5	IC 410-544533/17	5.0	6.255954	10.0	909540.0	1.251191	Y
6	ICIS 410-544533/18	10.0	12.393171	10.0	940827.0	1.239317	Y
7	IC 410-544533/19	25.0	32.876161	10.0	891911.0	1.315046	Y



Calibration / 4-Isopropyltoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

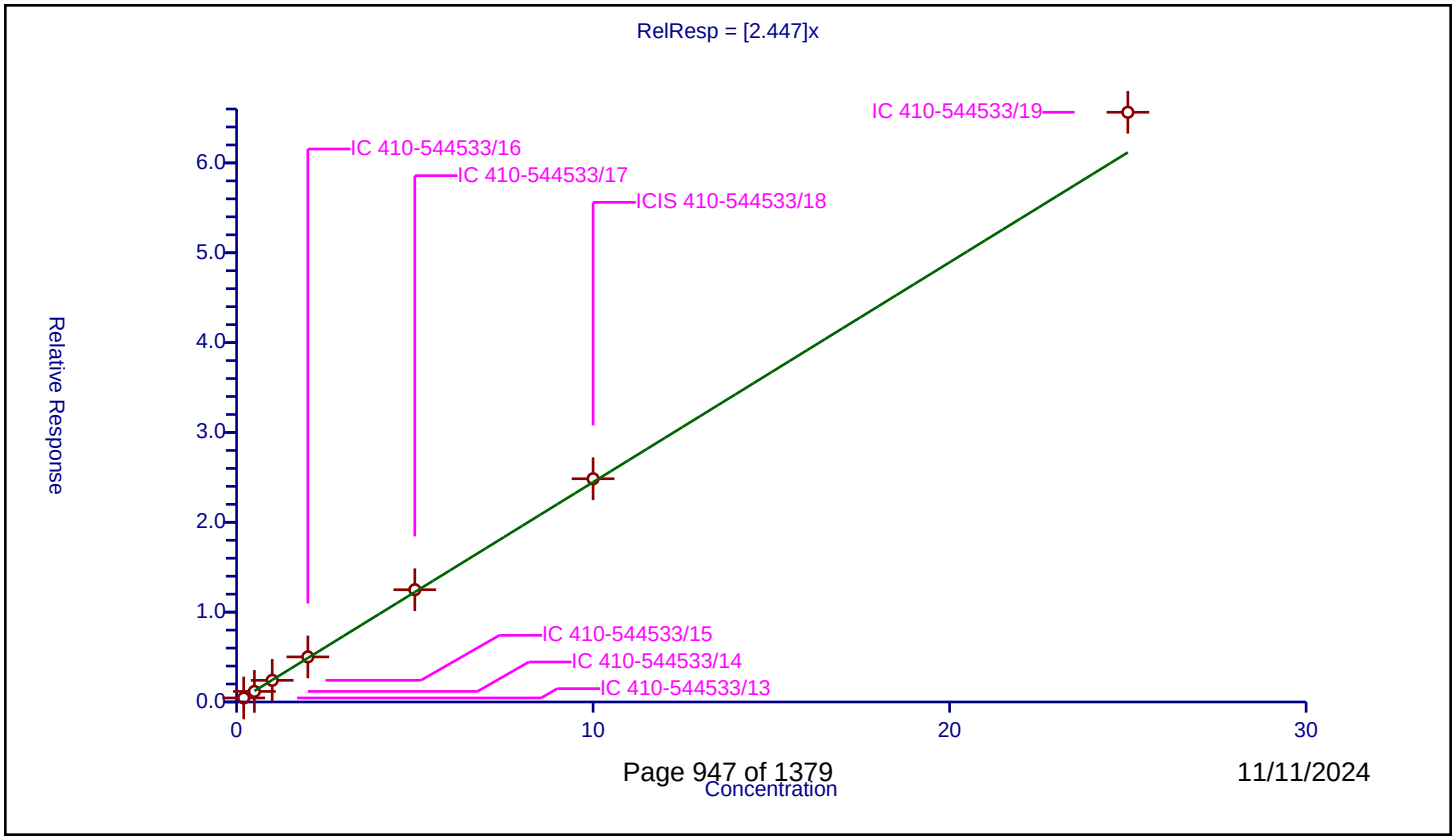
Curve Coefficients

Intercept:	0
Slope:	2.447

Error Coefficients

Relative Standard Deviation:	5.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	0.2	0.449423	10.0	925988.0	2.247113	Y
2	IC 410-544533/14	0.5	1.175887	10.0	895392.0	2.351774	Y
3	IC 410-544533/15	1.0	2.411176	10.0	913741.0	2.411176	Y
4	IC 410-544533/16	2.0	5.017747	10.0	920457.0	2.508873	Y
5	IC 410-544533/17	5.0	12.493964	10.0	909540.0	2.498793	Y
6	ICIS 410-544533/18	10.0	24.846109	10.0	940827.0	2.484611	Y
7	IC 410-544533/19	25.0	65.639184	10.0	891911.0	2.625567	Y



Calibration / 1,4-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

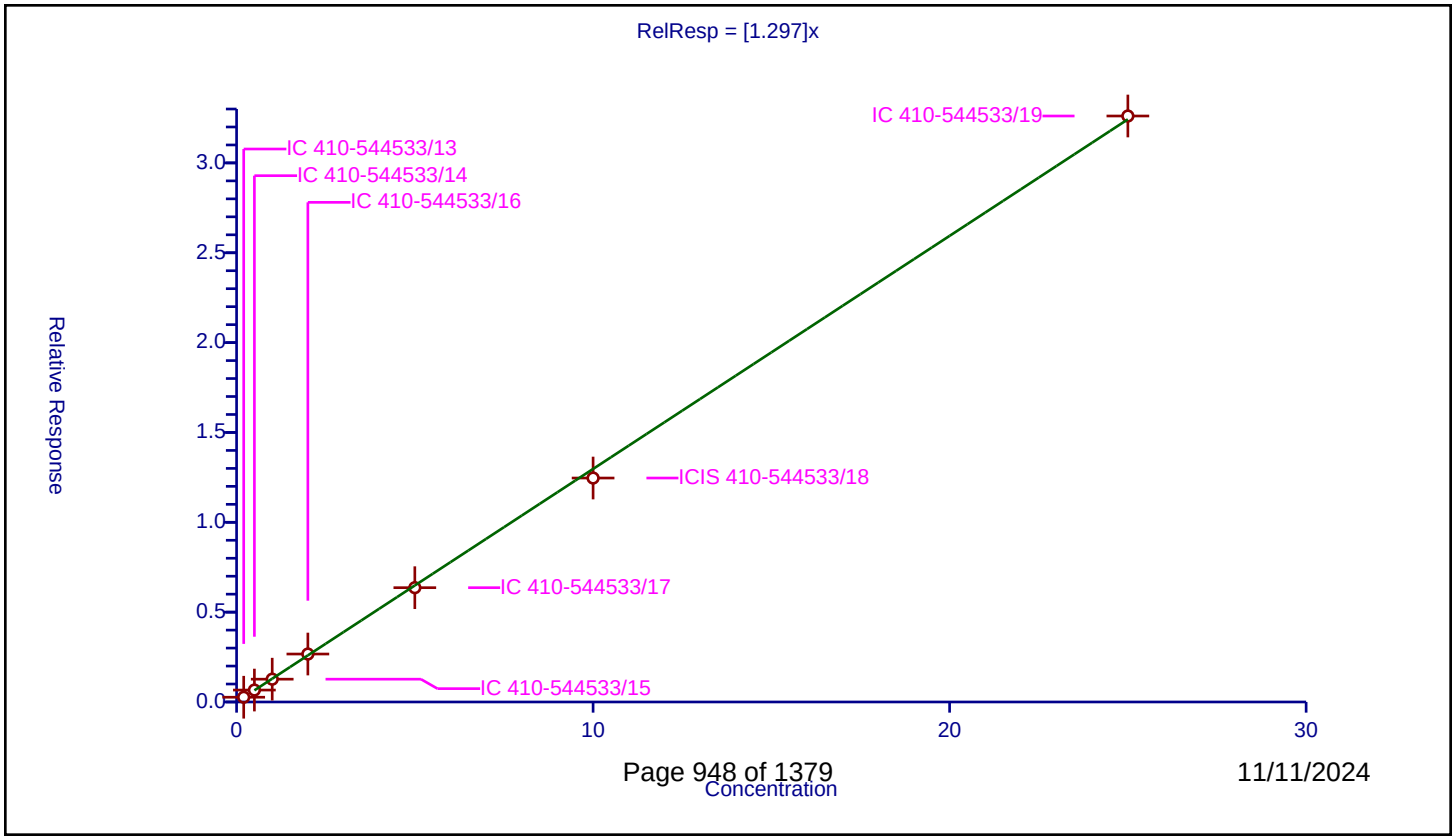
Curve Coefficients

Intercept:	0
Slope:	1.297

Error Coefficients

Relative Standard Deviation:	2.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	0.2	0.264787	10.0	925988.0	1.323937	Y
2	IC 410-544533/14	0.5	0.663776	10.0	895392.0	1.327553	Y
3	IC 410-544533/15	1.0	1.269944	10.0	913741.0	1.269944	Y
4	IC 410-544533/16	2.0	2.66912	10.0	920457.0	1.33456	Y
5	IC 410-544533/17	5.0	6.361293	10.0	909540.0	1.272259	Y
6	ICIS 410-544533/18	10.0	12.463354	10.0	940827.0	1.246335	Y
7	IC 410-544533/19	25.0	32.610653	10.0	891911.0	1.304426	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

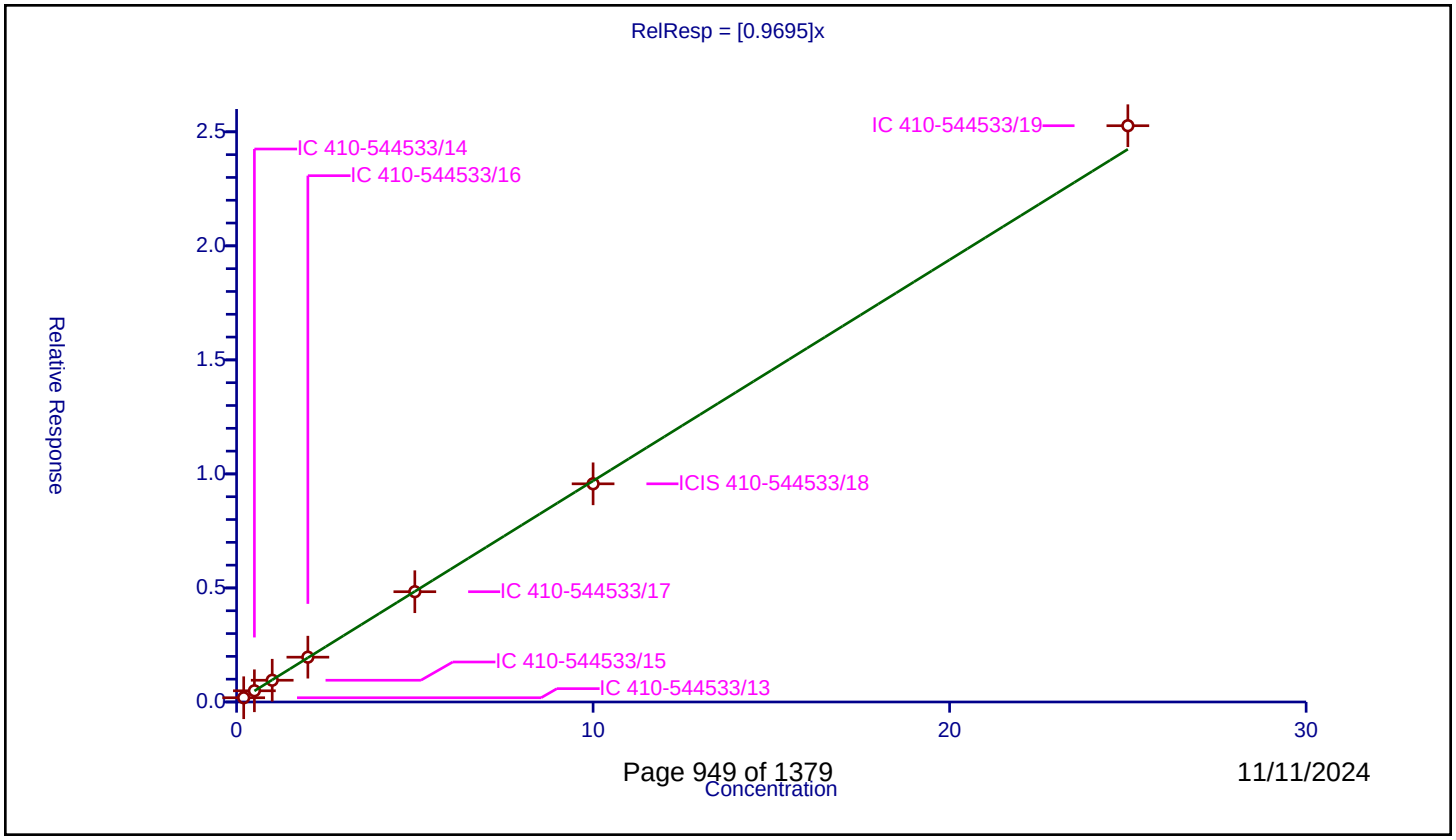
Curve Coefficients

Intercept:	0
Slope:	0.9695

Error Coefficients

Relative Standard Deviation:	2.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	0.2	0.186514	10.0	925988.0	0.932571	Y
2	IC 410-544533/14	0.5	0.492019	10.0	895392.0	0.984038	Y
3	IC 410-544533/15	1.0	0.952994	10.0	913741.0	0.952994	Y
4	IC 410-544533/16	2.0	1.964535	10.0	920457.0	0.982268	Y
5	IC 410-544533/17	5.0	4.835312	10.0	909540.0	0.967062	Y
6	ICIS 410-544533/18	10.0	9.565701	10.0	940827.0	0.95657	Y
7	IC 410-544533/19	25.0	25.267958	10.0	891911.0	1.010718	Y



Calibration / Benzyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

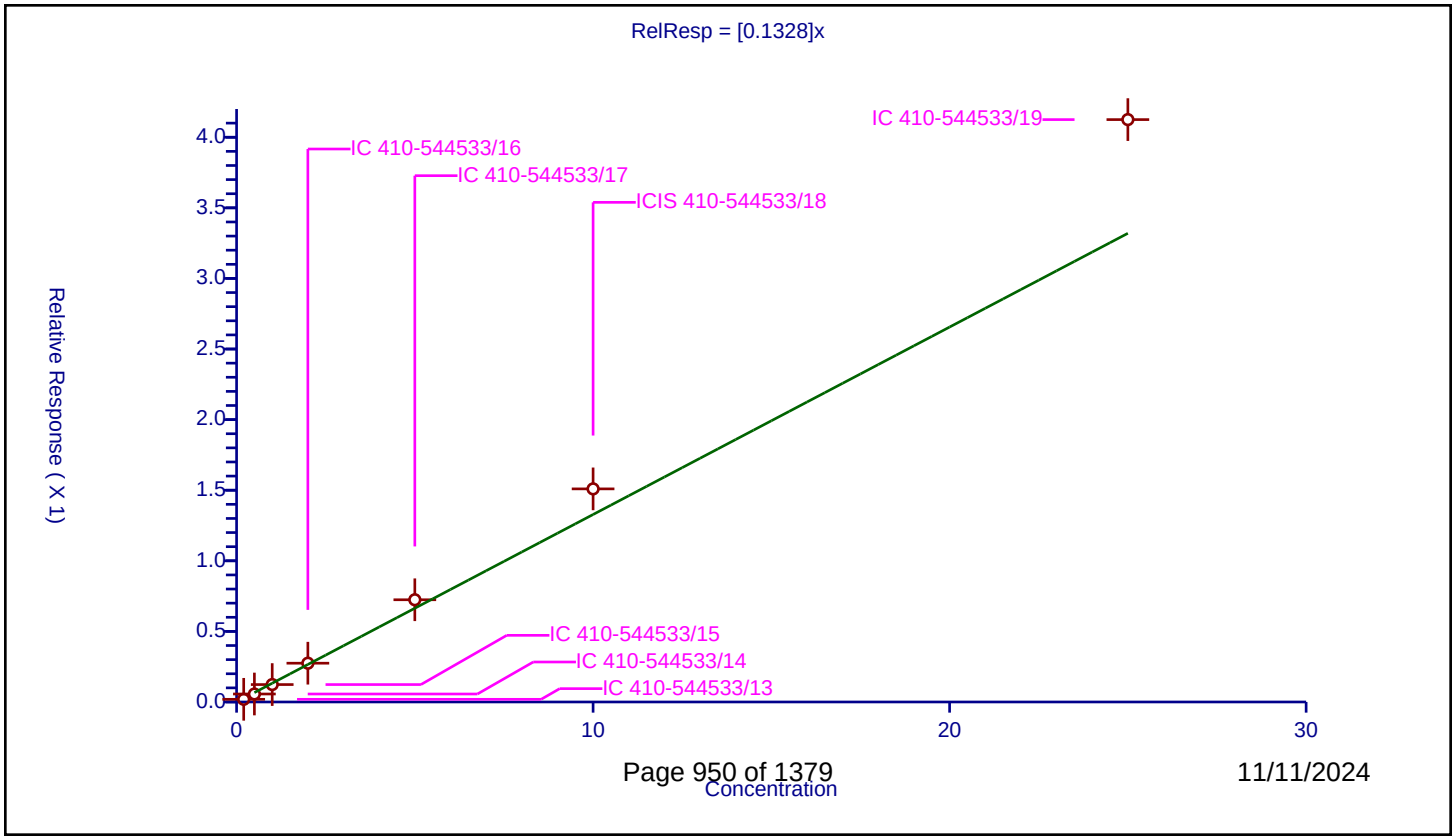
Curve Coefficients

Intercept:	0
Slope:	0.1328

Error Coefficients

Relative Standard Deviation:	18.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	0.2	0.018953	10.0	925988.0	0.094764	Y
2	IC 410-544533/14	0.5	0.056556	10.0	895392.0	0.113112	Y
3	IC 410-544533/15	1.0	0.123492	10.0	913741.0	0.123492	Y
4	IC 410-544533/16	2.0	0.274766	10.0	920457.0	0.137383	Y
5	IC 410-544533/17	5.0	0.724036	10.0	909540.0	0.144807	Y
6	ICIS 410-544533/18	10.0	1.509353	10.0	940827.0	0.150935	Y
7	IC 410-544533/19	25.0	4.125053	10.0	891911.0	0.165002	Y



Calibration / n-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

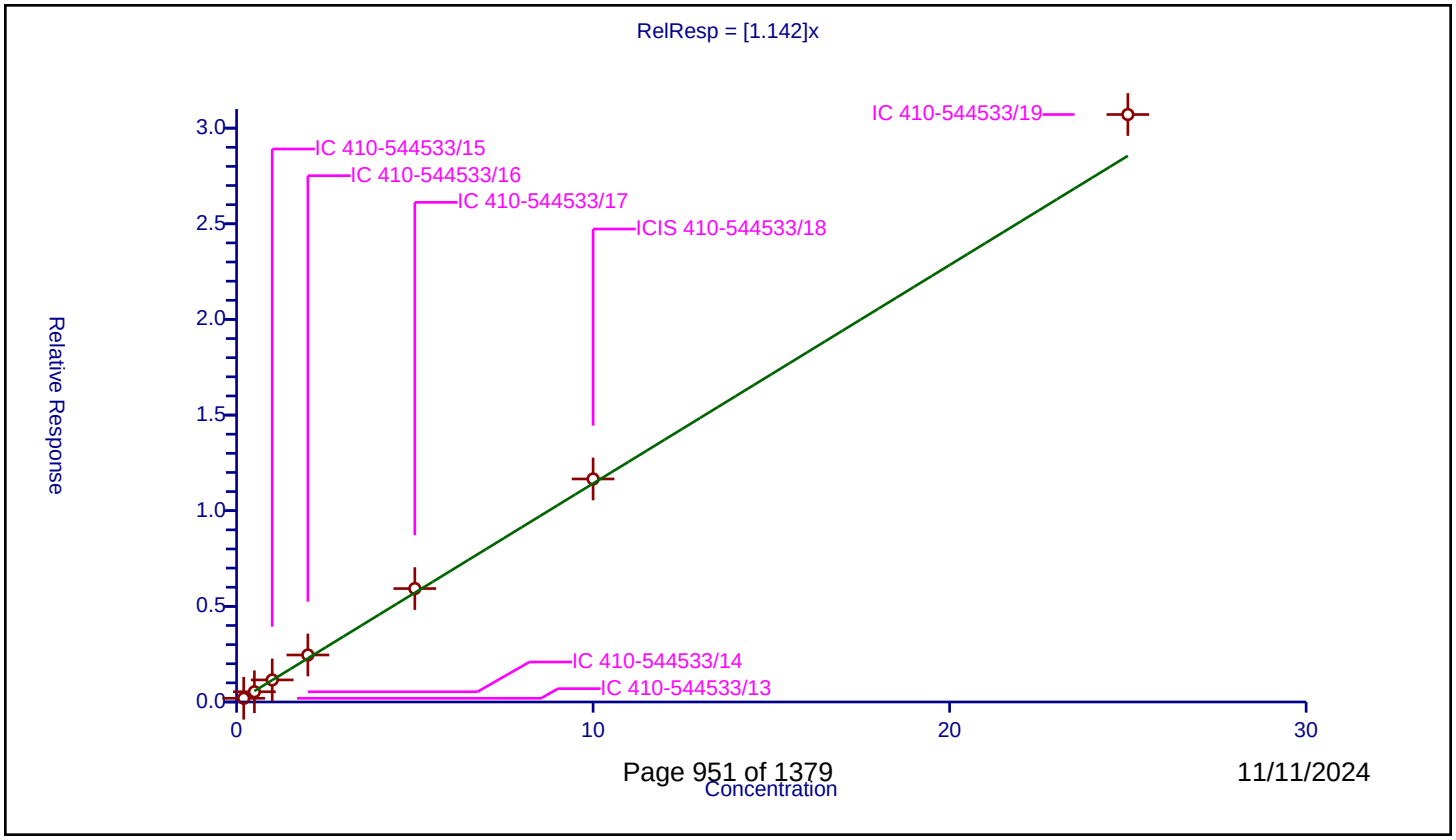
Curve Coefficients

Intercept:	0
Slope:	1.142

Error Coefficients

Relative Standard Deviation:	8.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	0.2	0.192897	10.0	925988.0	0.964483	Y
2	IC 410-544533/14	0.5	0.534012	10.0	895392.0	1.068024	Y
3	IC 410-544533/15	1.0	1.153182	10.0	913741.0	1.153182	Y
4	IC 410-544533/16	2.0	2.457725	10.0	920457.0	1.228862	Y
5	IC 410-544533/17	5.0	5.929789	10.0	909540.0	1.185958	Y
6	ICIS 410-544533/18	10.0	11.659381	10.0	940827.0	1.165938	Y
7	IC 410-544533/19	25.0	30.712907	10.0	891911.0	1.228516	Y



11/11/2024

Calibration / 1,2-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

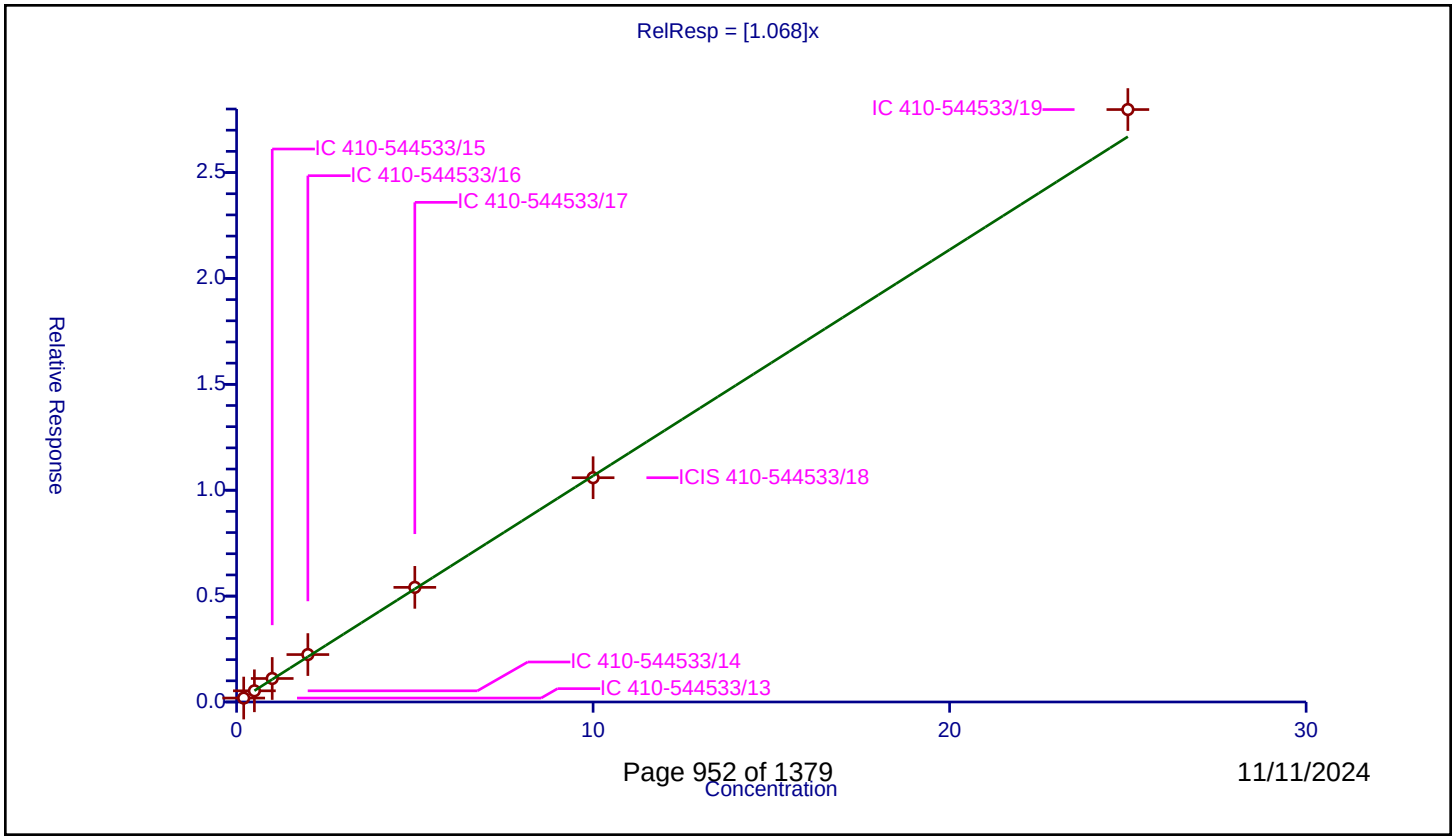
Curve Coefficients

Intercept:	0
Slope:	1.068

Error Coefficients

Relative Standard Deviation:	6.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	0.2	0.185694	10.0	925988.0	0.928468	Y
2	IC 410-544533/14	0.5	0.52759	10.0	895392.0	1.05518	Y
3	IC 410-544533/15	1.0	1.110534	10.0	913741.0	1.110534	Y
4	IC 410-544533/16	2.0	2.239279	10.0	920457.0	1.119639	Y
5	IC 410-544533/17	5.0	5.41212	10.0	909540.0	1.082424	Y
6	ICIS 410-544533/18	10.0	10.590629	10.0	940827.0	1.059063	Y
7	IC 410-544533/19	25.0	27.974383	10.0	891911.0	1.118975	Y



Calibration / 1,2-Dibromo-3-Chloropropane

Curve Type:	Quadratic
Weighting:	None
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

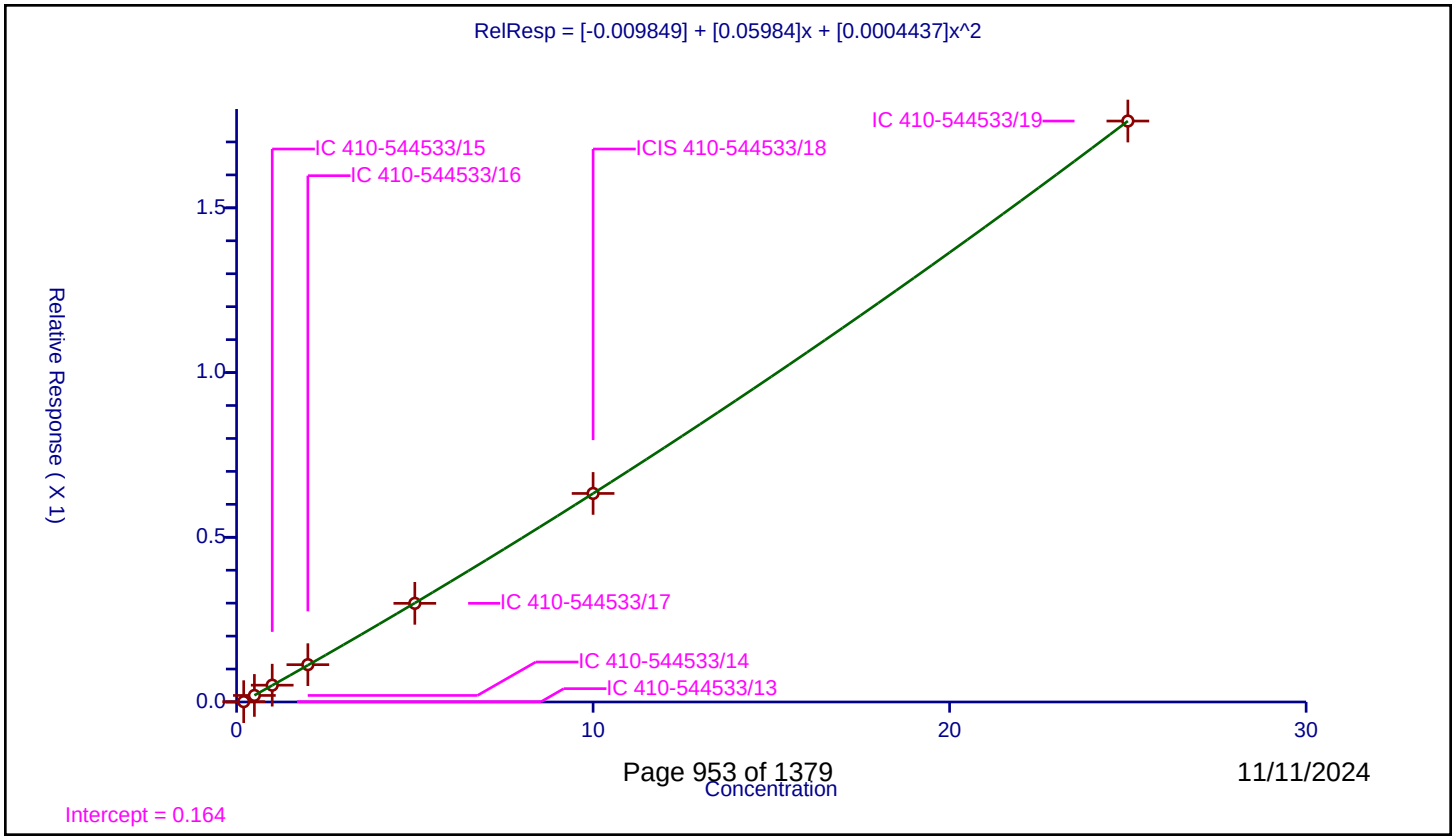
Curve Coefficients

Intercept:	-0.009849
Slope:	0.05984
Second Order:	0.0004437

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	0.2	0.001015	10.0	925988.0	0.005076	Y
2	IC 410-544533/14	0.5	0.019868	10.0	895392.0	0.039737	Y
3	IC 410-544533/15	1.0	0.051076	10.0	913741.0	0.051076	Y
4	IC 410-544533/16	2.0	0.113292	10.0	920457.0	0.056646	Y
5	IC 410-544533/17	5.0	0.299437	10.0	909540.0	0.059887	Y
6	ICIS 410-544533/18	10.0	0.63306	10.0	940827.0	0.063306	Y
7	IC 410-544533/19	25.0	1.763506	10.0	891911.0	0.07054	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

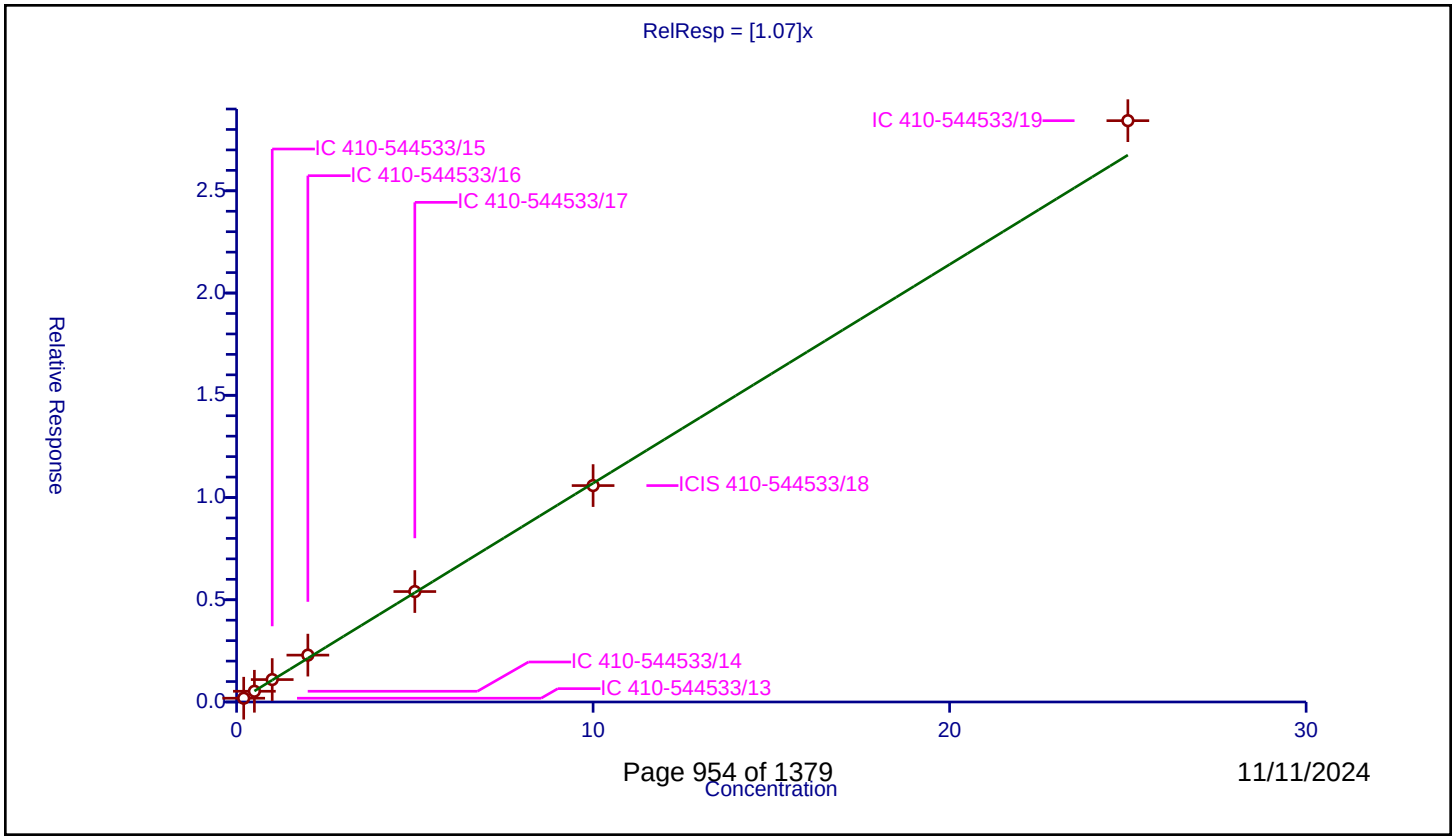
Curve Coefficients

Intercept:	0
Slope:	1.07

Error Coefficients

Relative Standard Deviation:	7.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	0.2	0.18403	10.0	925988.0	0.920152	Y
2	IC 410-544533/14	0.5	0.525513	10.0	895392.0	1.051026	Y
3	IC 410-544533/15	1.0	1.096241	10.0	913741.0	1.096241	Y
4	IC 410-544533/16	2.0	2.291927	10.0	920457.0	1.145963	Y
5	IC 410-544533/17	5.0	5.401148	10.0	909540.0	1.08023	Y
6	ICIS 410-544533/18	10.0	10.583689	10.0	940827.0	1.058369	Y
7	IC 410-544533/19	25.0	28.430258	10.0	891911.0	1.13721	Y



Calibration / 1,2,4-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

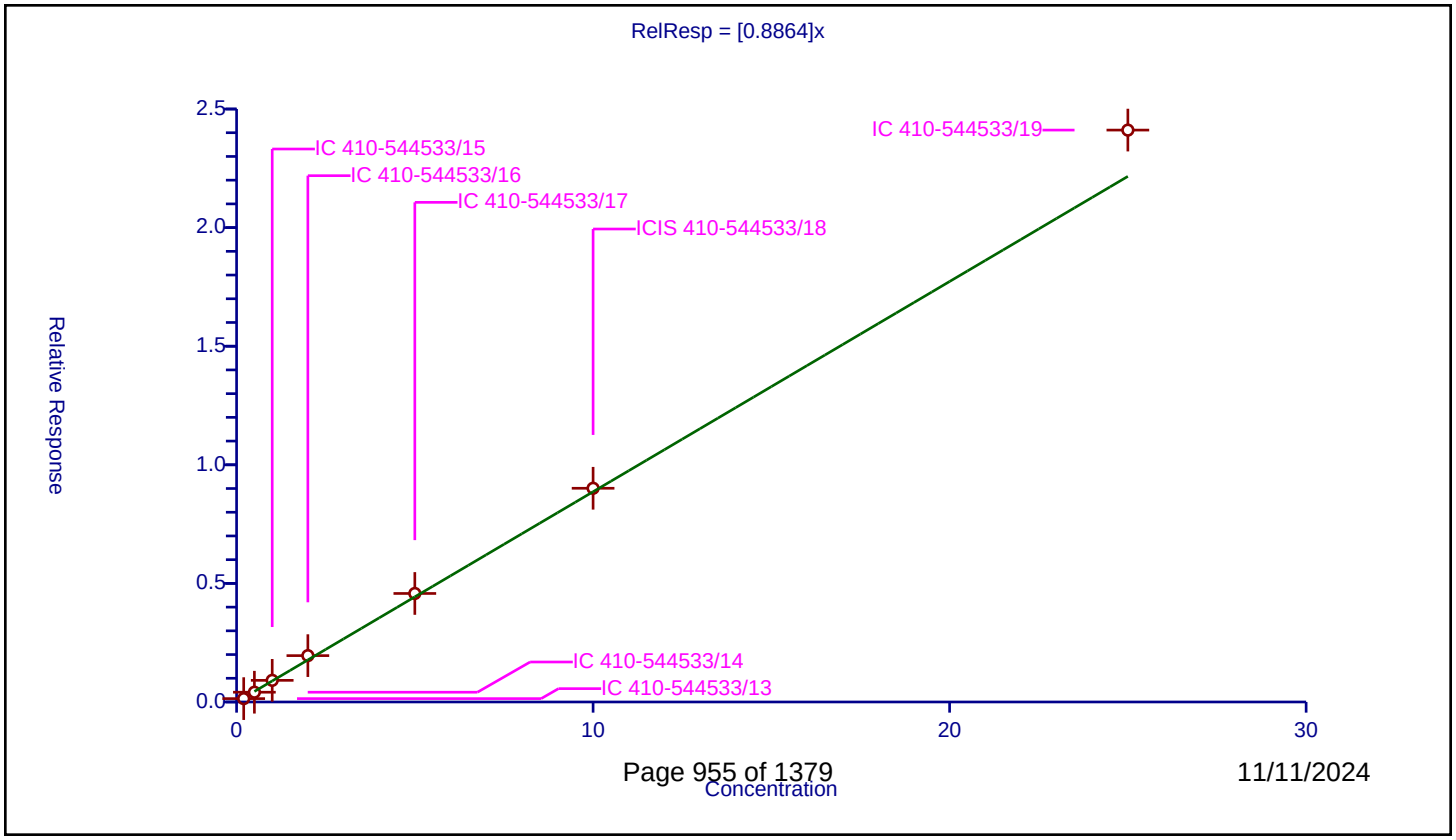
Curve Coefficients

Intercept:	0
Slope:	0.8864

Error Coefficients

Relative Standard Deviation:	10.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	0.2	0.141956	10.0	925988.0	0.709782	Y
2	IC 410-544533/14	0.5	0.412155	10.0	895392.0	0.824309	Y
3	IC 410-544533/15	1.0	0.912709	10.0	913741.0	0.912709	Y
4	IC 410-544533/16	2.0	1.954486	10.0	920457.0	0.977243	Y
5	IC 410-544533/17	5.0	4.575676	10.0	909540.0	0.915135	Y
6	ICIS 410-544533/18	10.0	9.010541	10.0	940827.0	0.901054	Y
7	IC 410-544533/19	25.0	24.111251	10.0	891911.0	0.96445	Y



11/11/2024

Calibration / Hexachlorobutadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

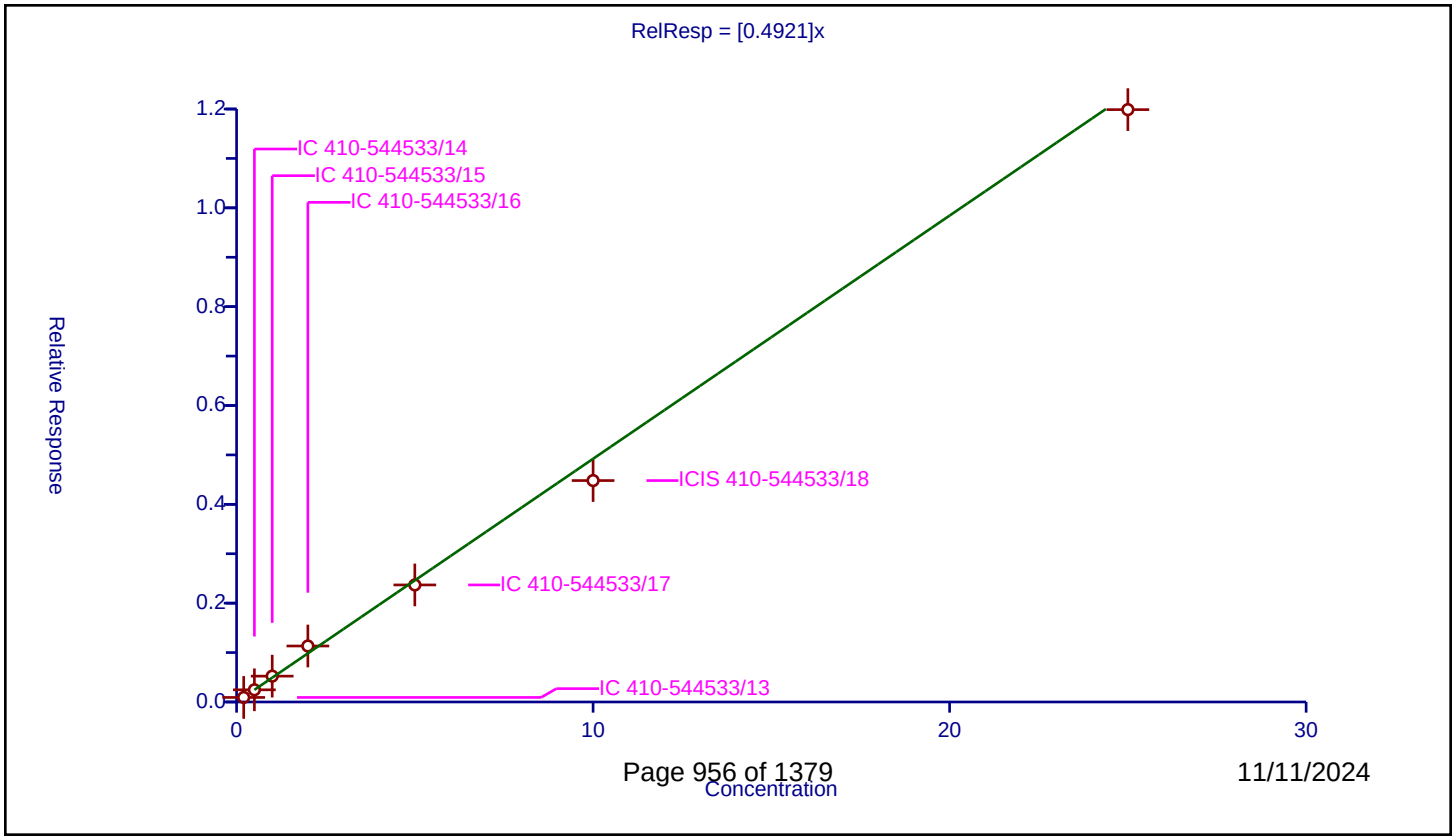
Curve Coefficients

Intercept:	0
Slope:	0.4921

Error Coefficients

Relative Standard Deviation:	8.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	0.2	0.092161	10.0	925988.0	0.460805	Y
2	IC 410-544533/14	0.5	0.246484	10.0	895392.0	0.492968	Y
3	IC 410-544533/15	1.0	0.523431	10.0	913741.0	0.523431	Y
4	IC 410-544533/16	2.0	1.132818	10.0	920457.0	0.566409	Y
5	IC 410-544533/17	5.0	2.368824	10.0	909540.0	0.473765	Y
6	ICIS 410-544533/18	10.0	4.480824	10.0	940827.0	0.448082	Y
7	IC 410-544533/19	25.0	11.987575	10.0	891911.0	0.479503	Y



Calibration / Naphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

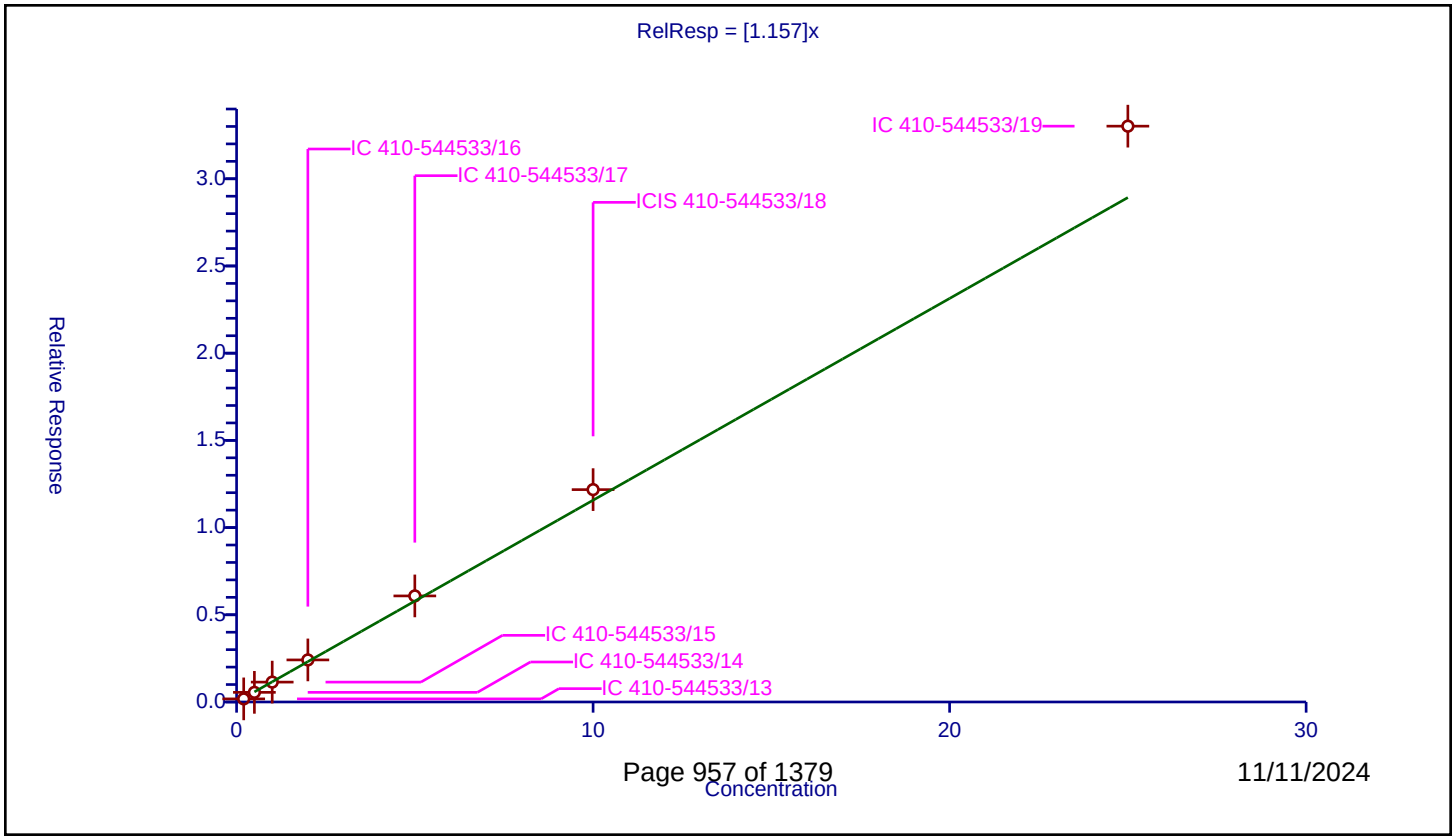
Curve Coefficients

Intercept:	0
Slope:	1.157

Error Coefficients

Relative Standard Deviation:	11.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	0.2	0.178404	10.0	925988.0	0.89202	Y
2	IC 410-544533/14	0.5	0.552473	10.0	895392.0	1.104946	Y
3	IC 410-544533/15	1.0	1.14063	10.0	913741.0	1.14063	Y
4	IC 410-544533/16	2.0	2.412443	10.0	920457.0	1.206221	Y
5	IC 410-544533/17	5.0	6.081723	10.0	909540.0	1.216345	Y
6	ICIS 410-544533/18	10.0	12.176341	10.0	940827.0	1.217634	Y
7	IC 410-544533/19	25.0	33.016983	10.0	891911.0	1.320679	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

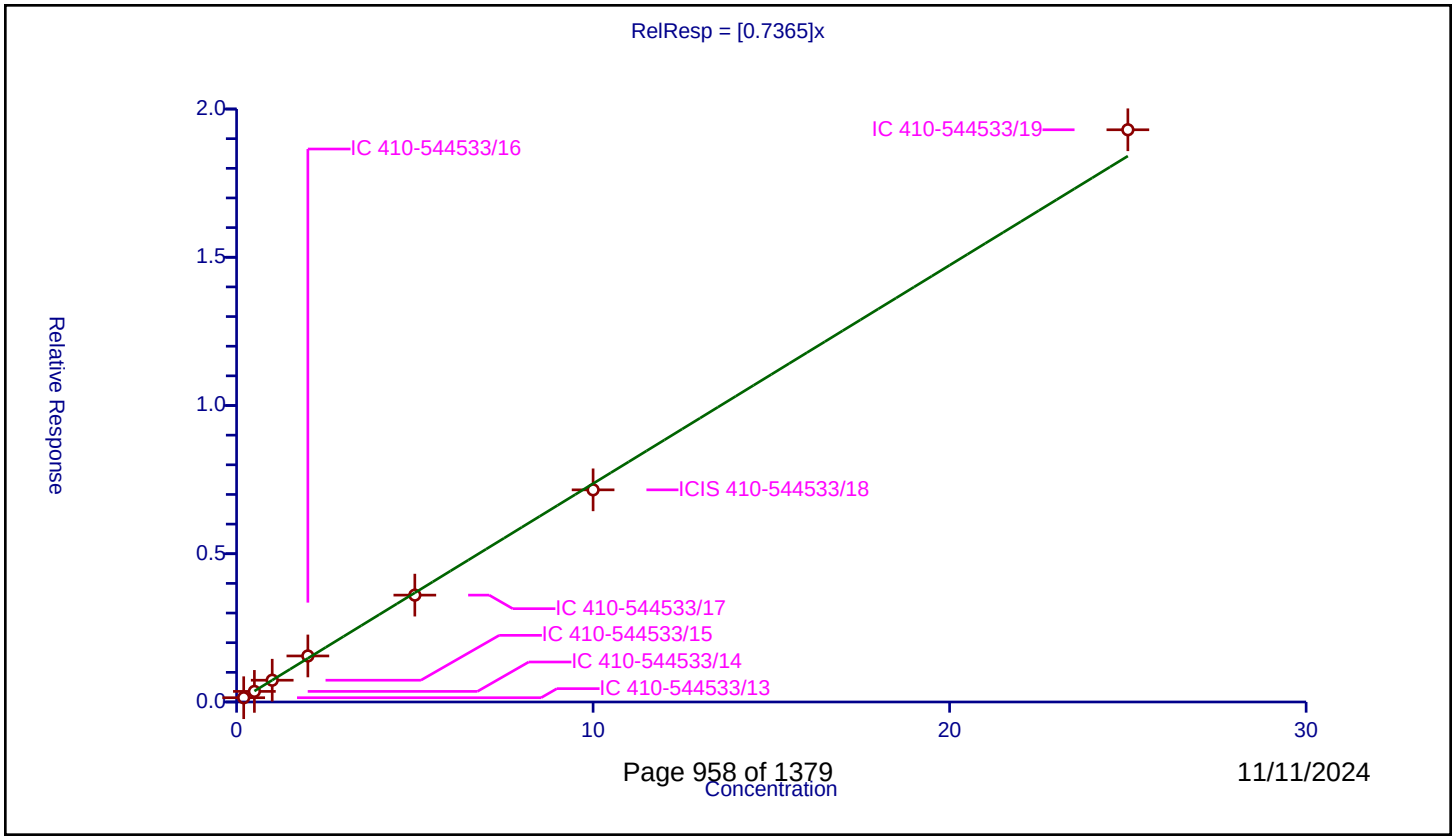
Curve Coefficients

Intercept:	0
Slope:	0.7365

Error Coefficients

Relative Standard Deviation:	3.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-544533/13	0.2	0.144527	10.0	925988.0	0.722634	Y
2	IC 410-544533/14	0.5	0.357196	10.0	895392.0	0.714391	Y
3	IC 410-544533/15	1.0	0.734223	10.0	913741.0	0.734223	Y
4	IC 410-544533/16	2.0	1.552414	10.0	920457.0	0.776207	Y
5	IC 410-544533/17	5.0	3.604031	10.0	909540.0	0.720806	Y
6	ICIS 410-544533/18	10.0	7.155492	10.0	940827.0	0.715549	Y
7	IC 410-544533/19	25.0	19.299885	10.0	891911.0	0.771995	Y



FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1 Analy Batch No.: 562891

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/14/2024 18:22 Calibration End Date: 10/14/2024 20:29 Calibration ID: 66584

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-562891/3	HC14X02.D
Level 2	IC 410-562891/4	HC14X03.D
Level 3	IC 410-562891/5	HC14X04.D
Level 4	IC 410-562891/6	HC14X05.D
Level 5	IC 410-562891/7	HC14X06.D
Level 6	IC 410-562891/8	HC14X07.D
Level 7	IC 410-562891/9	HC14X08.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Chlorodifluoromethane	0.3983 0.3052	0.2310 0.3004	0.3036	0.3242	0.3060	Ave		0.3098				15.8		20.0			
Methoxymethane	+++++ 0.2956	0.3451 0.3036	0.3464	0.3440	0.3284	Ave		0.3272				6.9		20.0			
Acetonitrile	+++++ 0.0101	+++++ 0.0087	0.0237	0.0159	0.0122	Lin	0.0893	0.0080							0.9990		0.9900
Vinyl acetate	0.3110 0.2313	0.2365 0.2364	0.2069	0.2091	0.2260	Ave		0.2368				14.8		20.0			
Ethyl acetate	0.1276 0.1093	0.0916 0.1141	0.0828	0.0880	0.1063	Ave		0.1028				15.6		20.0			
2-Chloroethyl vinyl ether	0.0957 0.0945	0.0730 0.0975	0.0862	0.0888	0.0957	Ave		0.0902				9.6		20.0			
cis-1,4-Dichloro-2-butene	0.0599 0.0643	0.0454 0.0659	0.0472	0.0569	0.0642	Ave		0.0577				14.5		20.0			
Cyclohexanone	0.3898 0.2672	0.2929 0.2435	0.2711	0.2614	0.2459	Ave		0.2817				17.9		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC | Job No.: 410-193020-1 | Analy Batch No.: 562891

SDG No.:

Instrument ID: 19094 | GC Column: R-624SilMS ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 10/14/2024 18:22 | Calibration End Date: 10/14/2024 20:29 | Calibration ID: 66584

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-562891/3	HC14X02.D
Level 2	IC 410-562891/4	HC14X03.D
Level 3	IC 410-562891/5	HC14X04.D
Level 4	IC 410-562891/6	HC14X05.D
Level 5	IC 410-562891/7	HC14X06.D
Level 6	IC 410-562891/8	HC14X07.D
Level 7	IC 410-562891/9	HC14X08.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Chlorodifluoromethane	FB	Ave	16460 636418	23593 1567217	62358	134829	317939	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Methoxymethane	FB	Ave	+++++ 616402	35240 1583530	71150	143061	341281	+++++ 10.0	0.500 25.0	1.00	2.00	5.00
Acetonitrile	FB	Lin	+++++ 105716	+++++ 226537	24298	33015	63169	+++++ 50.0	+++++ 125	5.00	10.0	25.0
Vinyl acetate	FB	Ave	12855 482353	24147 1233249	42488	86964	234842	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl acetate	FB	Ave	5272 227925	9352 595416	17004	36605	110467	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Chloroethyl vinyl ether	FB	Ave	3956 197049	7452 508357	17707	36925	99396	0.200 10.0	0.500 25.0	1.00	2.00	5.00
cis-1,4-Dichloro-2-butene	CBZd5	Ave	3563 192295	6674 498900	13998	33834	95916	0.400 20.0	1.000 50.0	2.00	4.00	10.00
Cyclohexanone	TBAd10	Ave	7607 217978	12594 439453	21643	39288	107639	10.0 500	25.0 1250	50.0	100	250

Curve Type Legend:

Ave = Average ISTD
Lin = Linear ISTD

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1 Analy Batch No.: 562891

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/14/2024 18:22 Calibration End Date: 10/14/2024 20:29 Calibration ID: 66584

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-562891/3	HC14X02.D
Level 2	IC 410-562891/4	HC14X03.D
Level 3	IC 410-562891/5	HC14X04.D
Level 4	IC 410-562891/6	HC14X05.D
Level 5	IC 410-562891/7	HC14X06.D
Level 6	IC 410-562891/8	HC14X07.D
Level 7	IC 410-562891/9	HC14X08.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Chlorodifluoromethane	28.5 -3.0	-25.4	-2.0	4.6	-1.2	-1.5	50 30	30	30	30	30	30
Methoxymethane	+++++ -7.2	5.5	5.9	5.1	0.4	-9.6	 30	50	30	30	30	30
Acetonitrile	+++++ -0.8	+++++	-27.8	-13.5	6.9	4.0	 30		50	30	30	30
Vinyl acetate	31.4 -0.1	-0.1	-12.6	-11.7	-4.5	-2.3	50 30	30	30	30	30	30
Ethyl acetate	24.1 11.0	-10.9	-19.5	-14.4	3.4	6.3	50 30	30	30	30	30	30
2-Chloroethyl vinyl ether	6.1 8.1	-19.1	-4.4	-1.5	6.1	4.8	50 30	30	30	30	30	30
cis-1,4-Dichloro-2-butene	3.8 14.2	-21.3	-18.2	-1.4	11.4	11.5	50 30	30	30	30	30	30
Cyclohexanone	38.4 -13.6	4.0	-3.7	-7.2	-12.7	-5.1	50 30	30	30	30	30	30

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X02.D
Lims ID: IC std1 0.2
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 14-Oct-2024 18:22:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0127661-003
Misc. Info.: sm .2
Operator ID: gaw91131 Instrument ID: 19094
Sublist: chrom-MSV_19094_25mL*sub49

Method: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 17-Oct-2024 09:43:31 Calib Date: 15-Oct-2024 00:00:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1693

First Level Reviewer: JS6E Date: 15-Oct-2024 00:28:32

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.800	1.812	-0.012	81	4797	0.2000	0.2258	
3 Chlorodifluoromethane	51	1.855	1.861	-0.006	97	16460	0.2000	0.2571	M
4 Dimethyl ether	45	1.910	1.922	-0.012	99	21804	0.2000	0.3225	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.190	2.202	-0.012	59	12941	0.2000	0.2392	
25 Acetonitrile	41	4.092	3.727	0.365	23	16945	1.00	-0.9059	M
* 28 t-Butyl alcohol-d10 (IS)	65	3.922	3.903	0.019	25	97577	50.0	50.0	
35 Vinyl acetate	43	4.989	4.940	0.049	71	12855	0.2000	0.2628	M
45 Ethyl acetate	43	5.903	5.842	0.061	1	5272	0.2000	0.2481	M
61 Isopropyl acetate	43	7.086	7.092	-0.006	95	15063	0.2000	0.2605	M
* 64 Fluorobenzene (IS)	96	7.403	7.409	-0.006	99	2066465	10.0	10.0	
75 n-Propyl acetate	61	8.439	8.421	0.018	96	1262	0.2000	0.1352	
78 2-Chloroethyl vinyl ether	63	8.982	8.963	0.019	85	3956	0.2000	0.2123	
110 n-Butyl acetate	43	10.414	10.402	0.012	95	10262	0.2000	0.2172	
* 113 Chlorobenzene-d5 (IS)	117	10.994	10.993	0.001	86	1487863	10.0	10.0	
124 cis-1,4-Dichloro-2-butene	88	11.914	11.914	0.000	27	3563	0.3999	0.4152	
125 Cyclohexanone	55	11.945	11.944	0.001	92	7607	10.0	13.8	
* 141 1,4-Dichlorobenzene-d4	152	12.908	12.908	0.000	95	832511	10.0	10.0	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

MSV_CCV_V5ACE_00041	Amount Added:	0.20	Units: uL
MSV_CCV_CYC_00009	Amount Added:	1.60	Units: uL
MSV_V_SMRV4_00078	Amount Added:	1.00	Units: uL
MSV_DME_00061	Amount Added:	0.20	Units: uL
MSV_LLcentISO_00009	Amount Added:	5.00	Units: uL

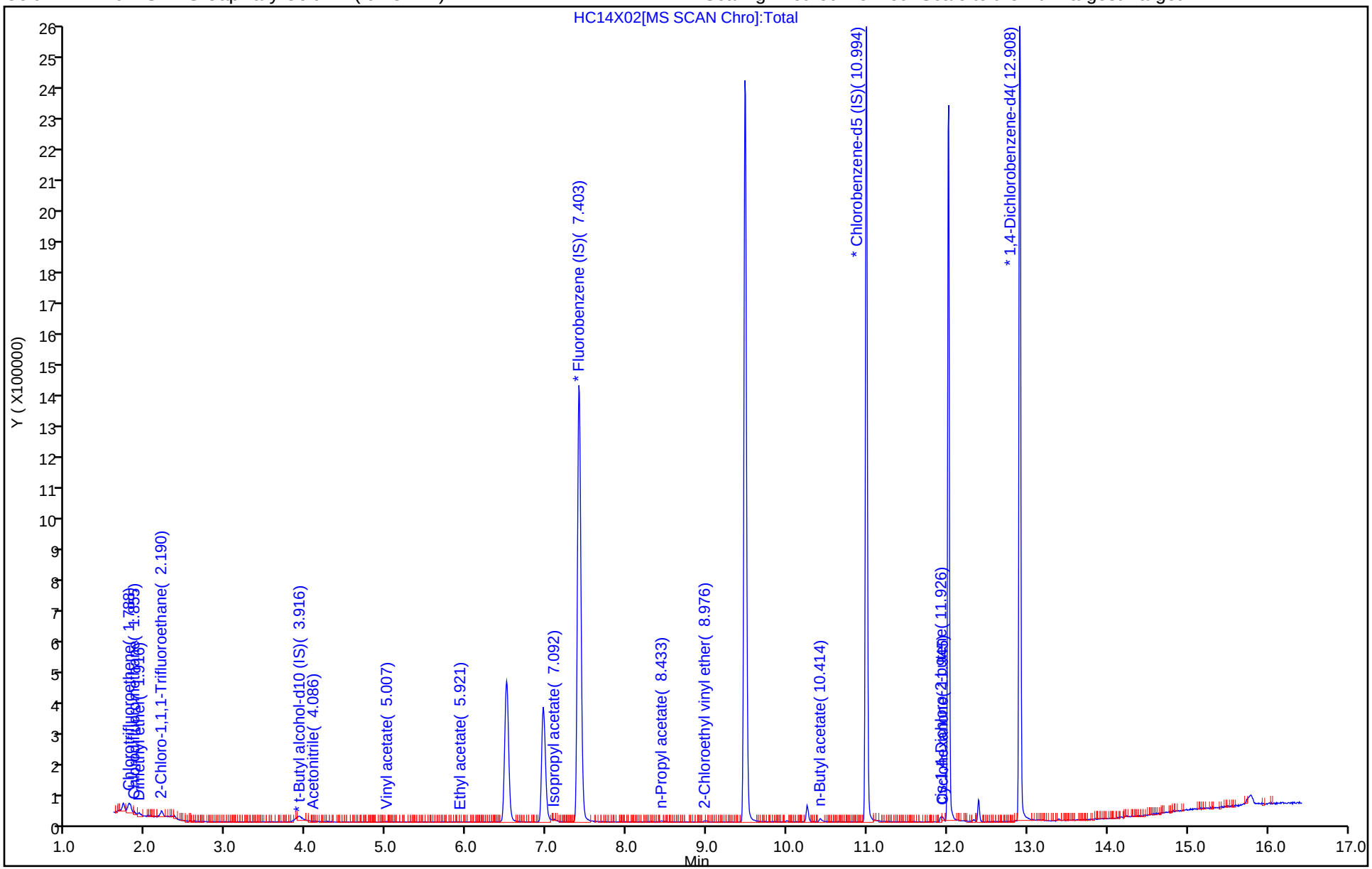
Report Date: 17-Oct-2024 09:43:32 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X02.D

Injection Date:	14-Oct-2024 18:22:30	Instrument ID:	19094	Operator ID:	gaw91131
Lims ID:	IC std1 0.2			Worklist Smp#:	3
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

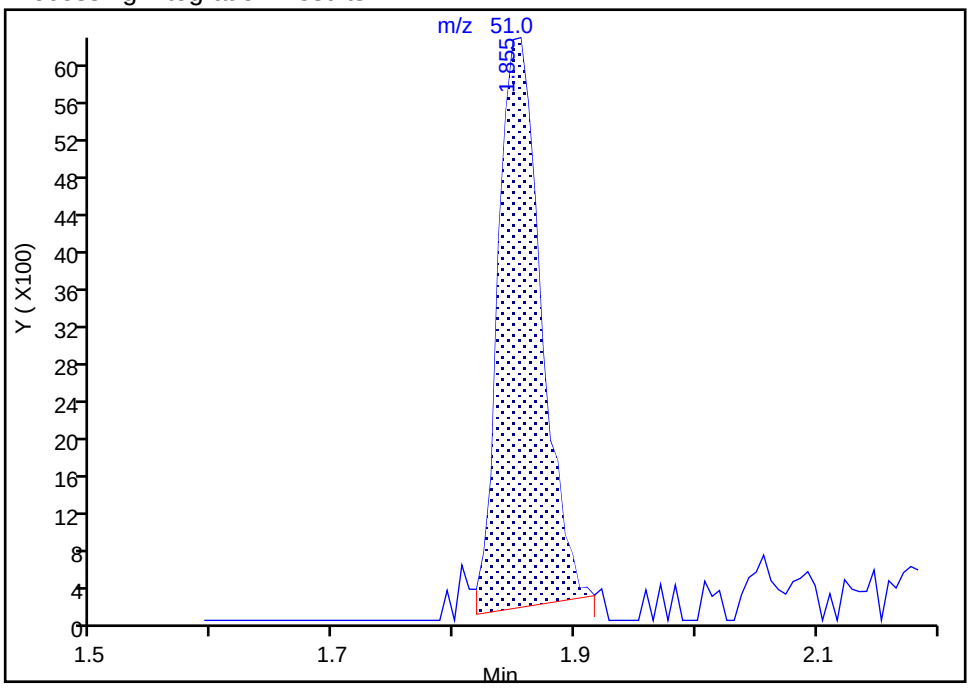
Data File:	\\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X02.D				
Injection Date:	14-Oct-2024 18:22:30	Instrument ID:	19094		
Lims ID:	IC std1 0.2				
Client ID:					
Operator ID:	gaw91131	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

3 Chlorodifluoromethane, CAS: 75-45-6

Signal: 1

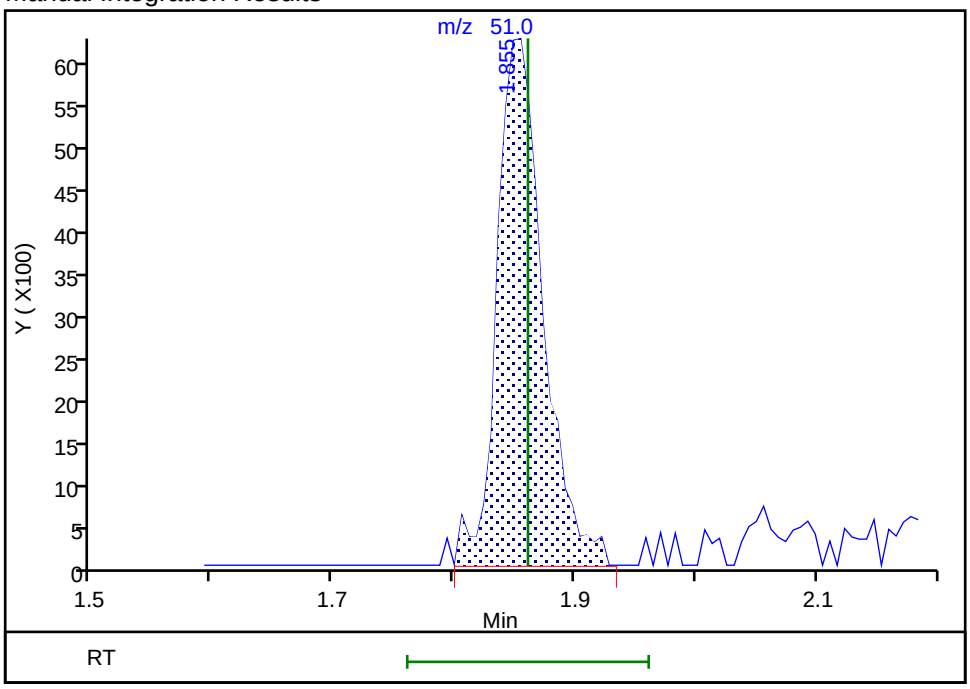
Processing Integration Results

RT: 1.86
Area: 14968
Amount: 0.237743
Amount Units: ug/l



Manual Integration Results

RT: 1.86
Area: 16460
Amount: 0.257090
Amount Units: ug/l



Reviewer: JS6E, 15-Oct-2024 00:26:13 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

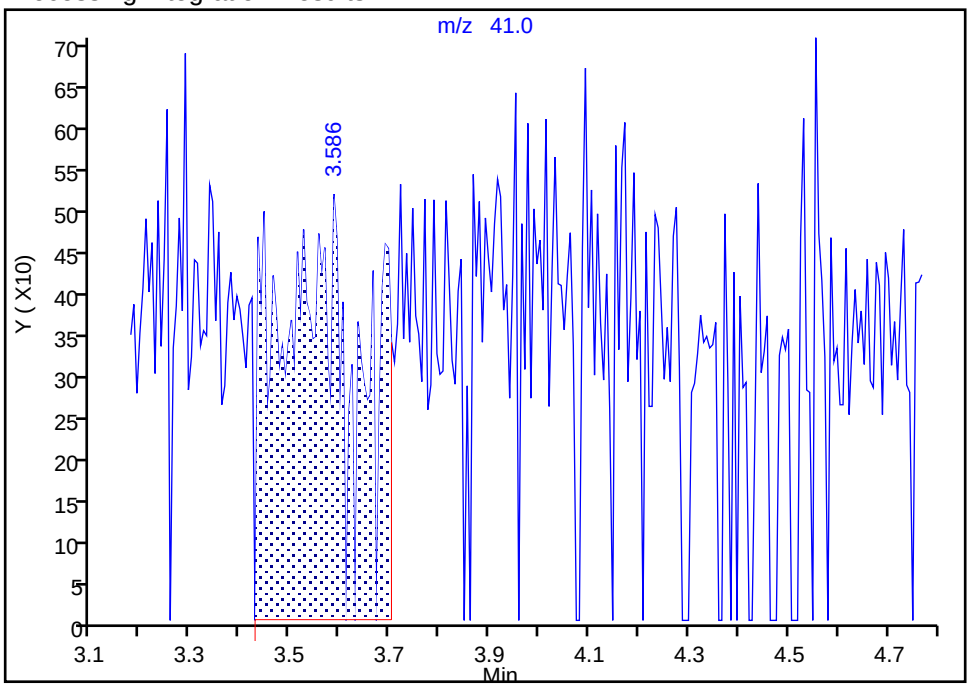
Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X02.D
Injection Date: 14-Oct-2024 18:22:30 Instrument ID: 19094
Lims ID: IC std1 0.2
Client ID:
Operator ID: gaw91131 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

25 Acetonitrile, CAS: 75-05-8

Signal: 1

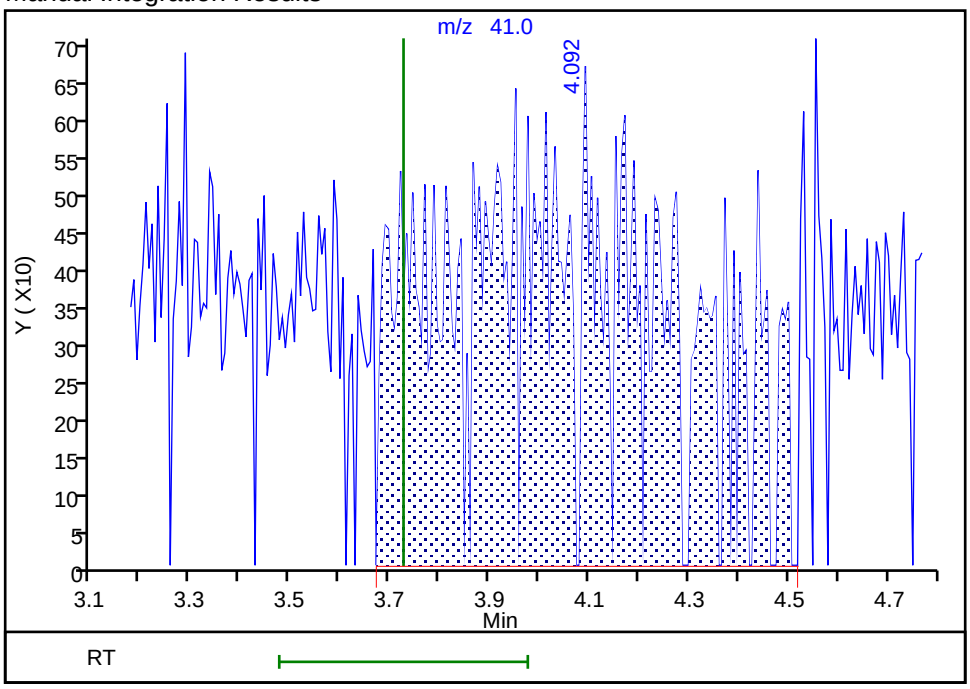
Processing Integration Results

RT: 3.59
Area: 5591
Amount: 1.886485
Amount Units: ug/l



Manual Integration Results

RT: 4.09
Area: 16945
Amount: -0.905905
Amount Units: ug/l



Reviewer: JS6E, 15-Oct-2024 00:36:15 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

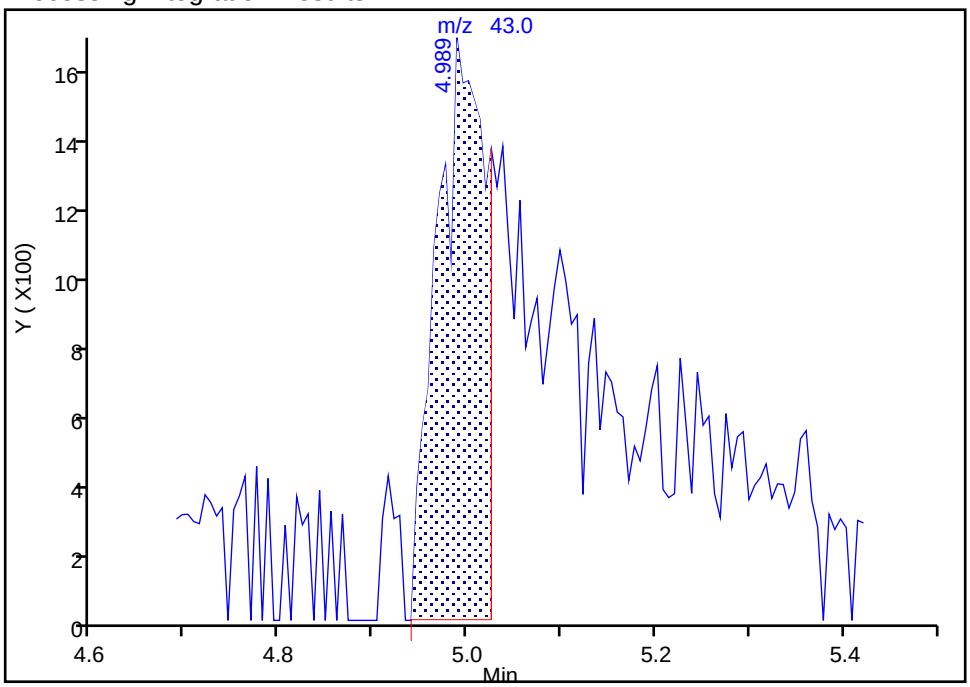
Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X02.D
Injection Date: 14-Oct-2024 18:22:30 Instrument ID: 19094
Lims ID: IC std1 0.2
Client ID:
Operator ID: gaw91131 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

35 Vinyl acetate, CAS: 108-05-4

Signal: 1

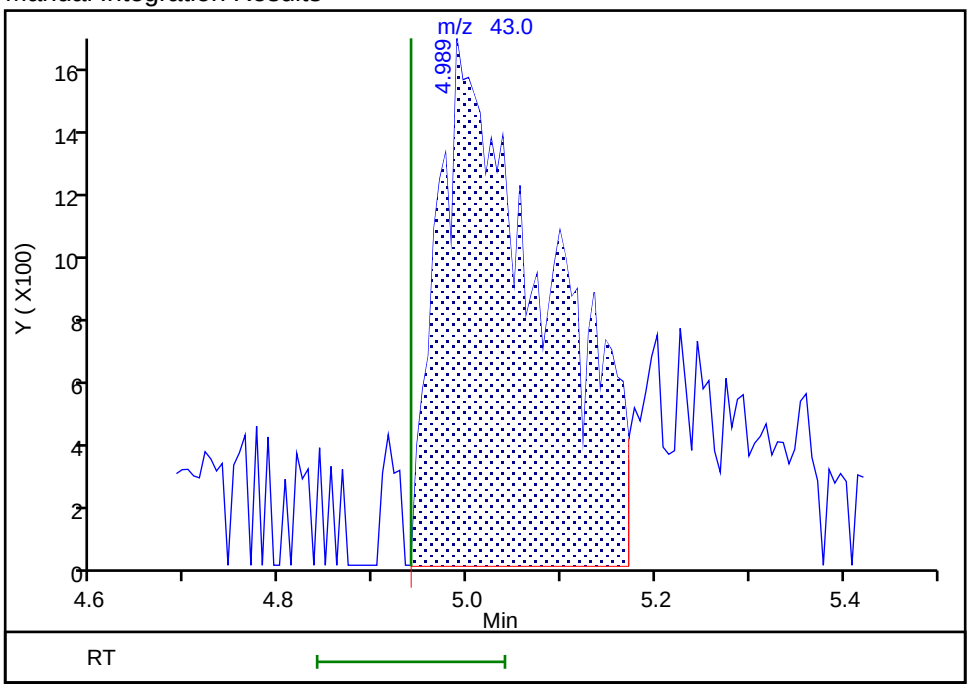
Processing Integration Results

RT: 4.99
Area: 5801
Amount: 0.132186
Amount Units: ug/l



Manual Integration Results

RT: 4.99
Area: 12855
Amount: 0.262756
Amount Units: ug/l



Reviewer: JS6E, 15-Oct-2024 00:27:27 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

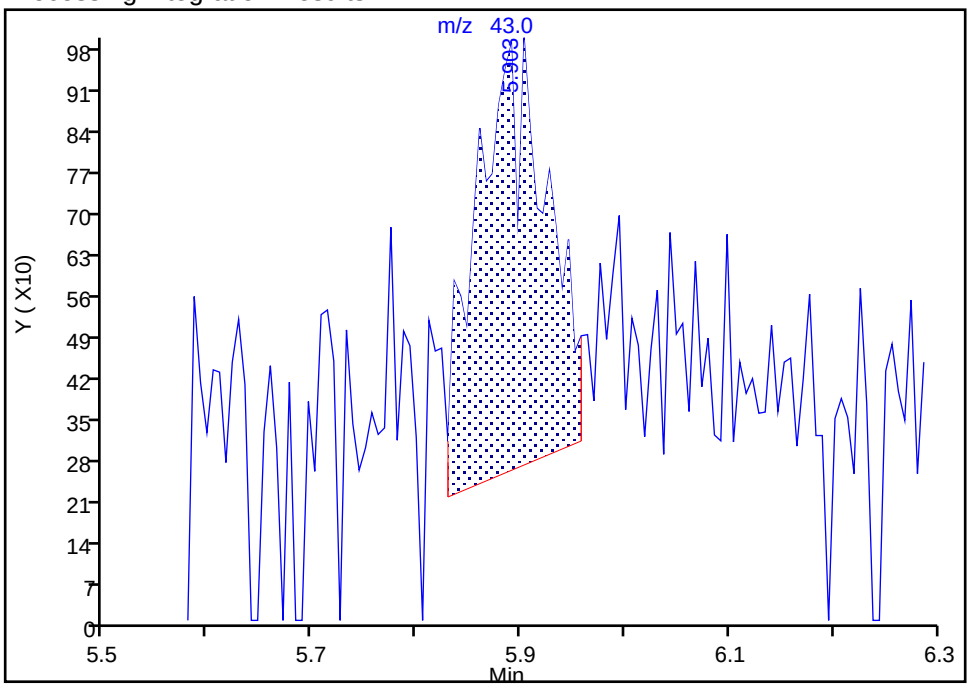
Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X02.D
Injection Date: 14-Oct-2024 18:22:30 Instrument ID: 19094
Lims ID: IC std1 0.2
Client ID:
Operator ID: gaw91131 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

45 Ethyl acetate, CAS: 141-78-6

Signal: 1

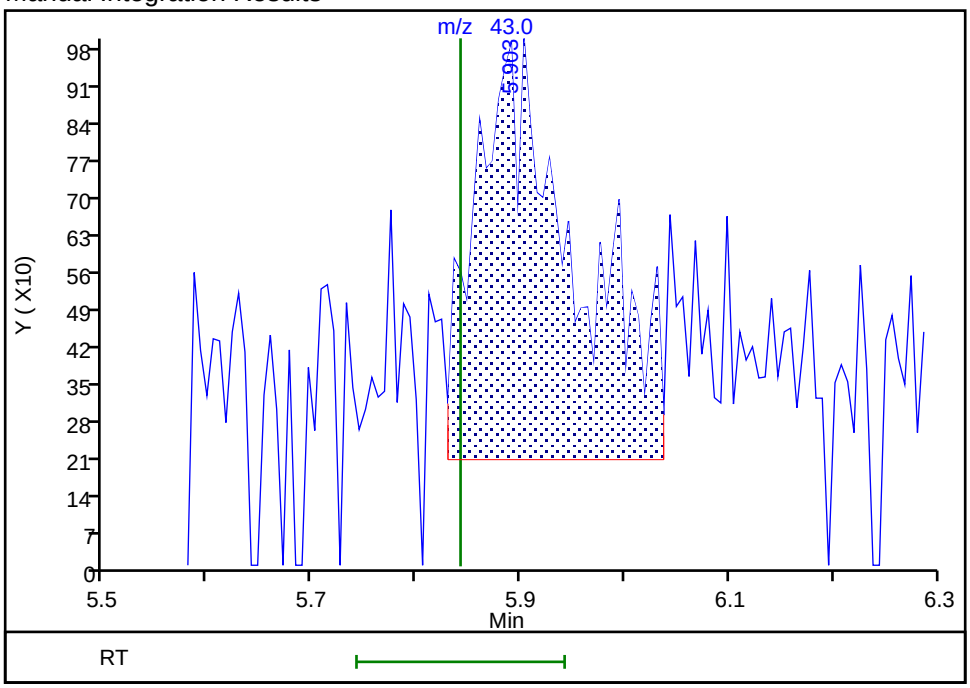
Processing Integration Results

RT: 5.90
Area: 3503
Amount: 0.175296
Amount Units: ug/l



Manual Integration Results

RT: 5.90
Area: 5272
Amount: 0.248130
Amount Units: ug/l



Reviewer: JS6E, 15-Oct-2024 00:28:01 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X03.D
Lims ID: IC std2 0.5
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 14-Oct-2024 18:44:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0127661-004
Misc. Info.: sm .5
Operator ID: gaw91131 Instrument ID: 19094
Sublist: chrom-MSV_19094_25mL*sub49

Method: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 17-Oct-2024 09:43:34 Calib Date: 15-Oct-2024 00:00:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1693

First Level Reviewer: JS6E Date: 15-Oct-2024 00:25:52

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.812	1.812	0.000	42	5258	0.5000	0.2504	
3 Chlorodifluoromethane	51	1.861	1.861	0.000	97	23593	0.5000	0.3729	
4 Dimethyl ether	45	1.922	1.922	0.000	100	35240	0.5000	0.5274	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.209	2.202	0.007	32	20781	0.5000	0.3886	
25 Acetonitrile	41	3.971	3.727	0.244	23	20629	2.50	1.46	M
* 28 t-Butyl alcohol-d10 (IS)	65	3.928	3.903	0.025	22	85985	50.0	50.0	
35 Vinyl acetate	43	5.001	4.940	0.061	97	24147	0.5000	0.4994	M
45 Ethyl acetate	43	5.885	5.842	0.043	43	9352	0.5000	0.4454	
61 Isopropyl acetate	43	7.092	7.092	0.000	97	27265	0.5000	0.4772	
* 64 Fluorobenzene (IS)	96	7.409	7.409	0.000	99	2042267	10.0	10.0	
75 n-Propyl acetate	61	8.433	8.421	0.012	99	4189	0.5000	0.4540	M
78 2-Chloroethyl vinyl ether	63	8.976	8.963	0.013	91	7452	0.5000	0.4046	
110 n-Butyl acetate	43	10.408	10.402	0.006	96	21115	0.5000	0.4523	
* 113 Chlorobenzene-d5 (IS)	117	10.994	10.993	0.001	86	1469946	10.0	10.0	
124 cis-1,4-Dichloro-2-butene	88	11.920	11.914	0.006	27	6674	1.00	0.7871	
125 Cyclohexanone	55	11.945	11.944	0.001	91	12594	25.0	26.0	
* 141 1,4-Dichlorobenzene-d4	152	12.908	12.908	0.000	95	821853	10.0	10.0	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

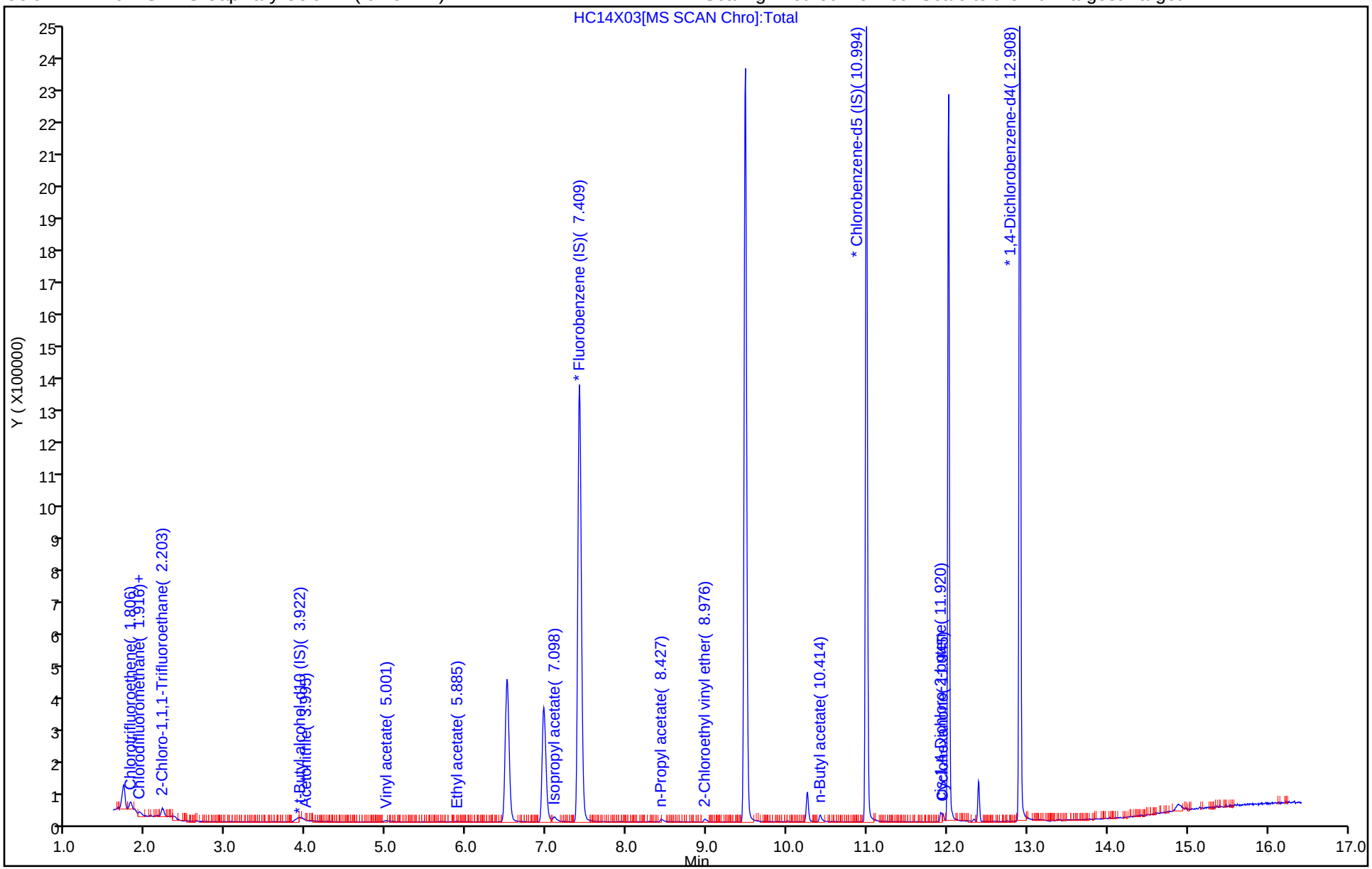
MSV_CCV_V5ACE_00041	Amount Added:	0.50	Units: uL
MSV_CCV_CYC_00009	Amount Added:	4.00	Units: uL
MSV_V_SMRV4_00078	Amount Added:	2.50	Units: uL
MSV_DME_00061	Amount Added:	0.50	Units: uL
MSV_LLcentISO_00009	Amount Added:	5.00	Units: uL

Report Date: 17-Oct-2024 09:43:35 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X03.D				
Injection Date:	14-Oct-2024 18:44:30	Instrument ID:	19094	Operator ID:	gaw91131
Lims ID:	IC std2 0.5			Worklist Smp#:	4
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

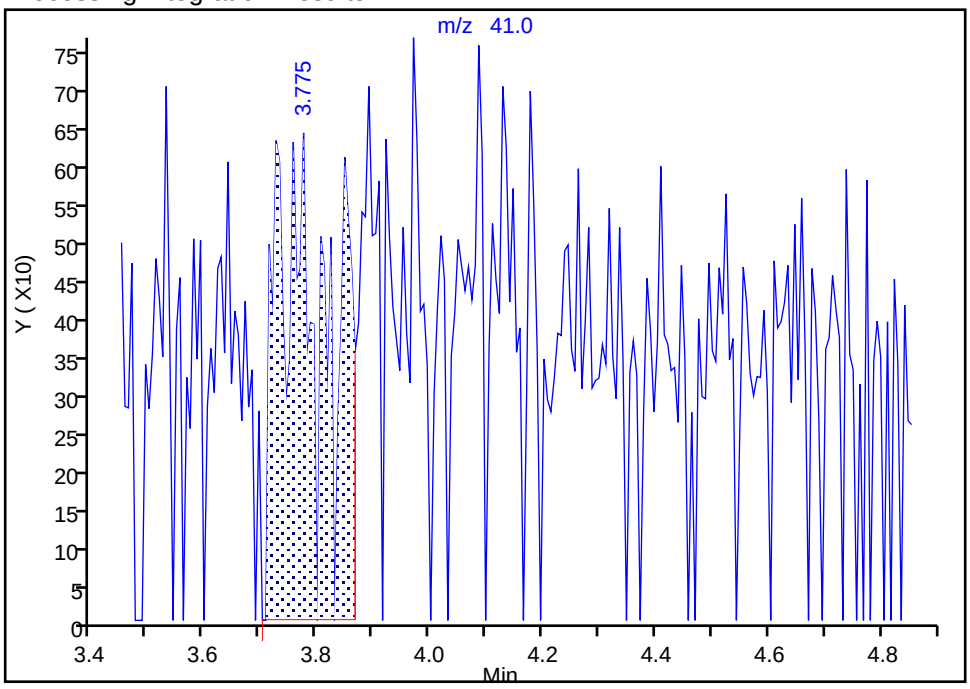
Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X03.D
Injection Date: 14-Oct-2024 18:44:30 Instrument ID: 19094
Lims ID: IC std2 0.5
Client ID:
Operator ID: gaw91131 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

25 Acetonitrile, CAS: 75-05-8

Signal: 1

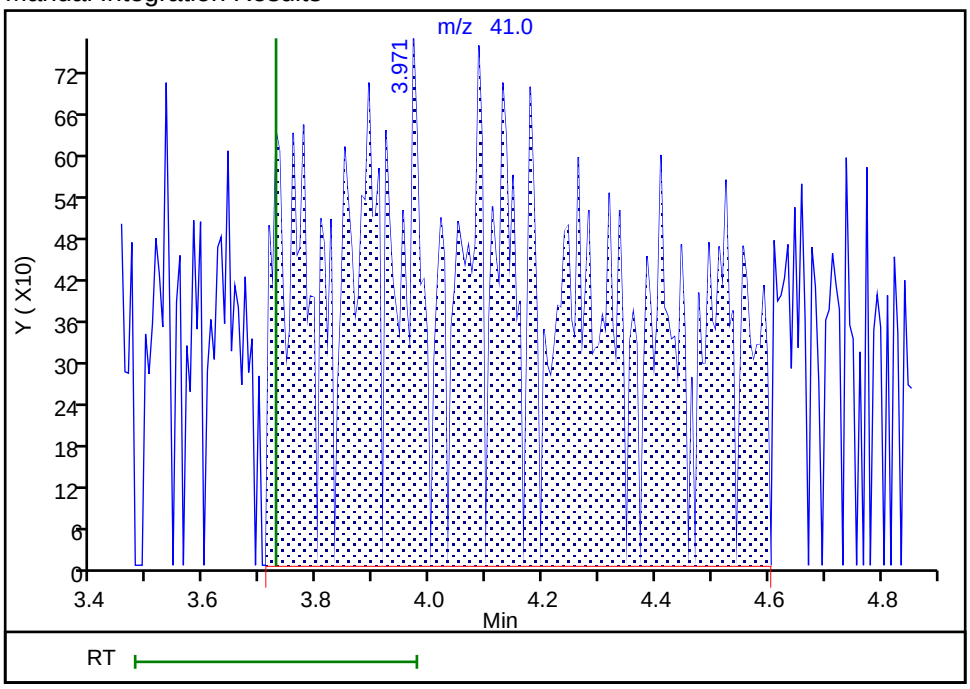
Processing Integration Results

RT: 3.78
Area: 3966
Amount: 1.354042
Amount Units: ug/l



Manual Integration Results

RT: 3.97
Area: 20629
Amount: 1.460245
Amount Units: ug/l



Reviewer: JS6E, 15-Oct-2024 00:36:46 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

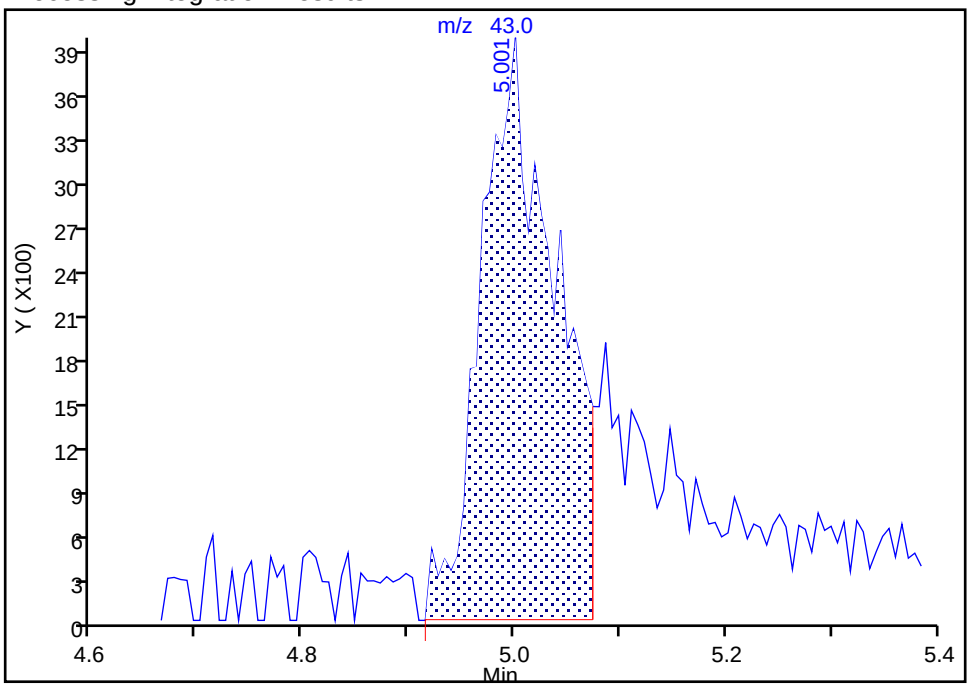
Data File:	\\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X03.D				
Injection Date:	14-Oct-2024 18:44:30	Instrument ID:	19094		
Lims ID:	IC std2 0.5				
Client ID:					
Operator ID:	gaw91131	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

35 Vinyl acetate, CAS: 108-05-4

Signal: 1

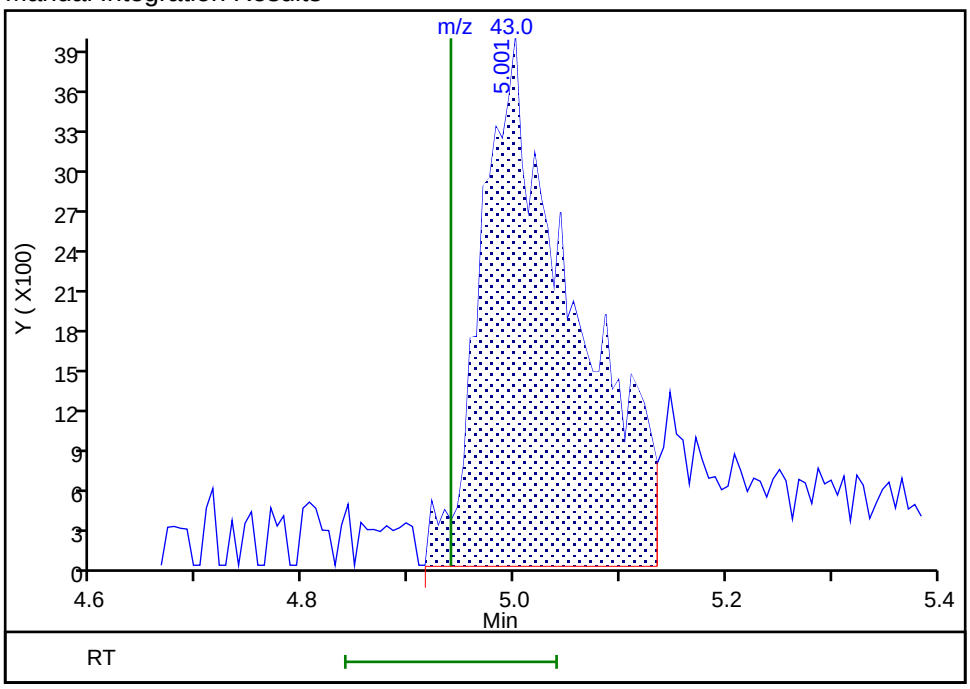
Processing Integration Results

RT: 5.00
Area: 19503
Amount: 0.463867
Amount Units: ug/l



Manual Integration Results

RT: 5.00
Area: 24147
Amount: 0.499413
Amount Units: ug/l



Reviewer: JS6E, 15-Oct-2024 00:25:17 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X04.D
Lims ID: IC std3 1
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 14-Oct-2024 19:05:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0127661-005
Misc. Info.: sm 1
Operator ID: gaw91131 Instrument ID: 19094
Sublist: chrom-MSV_19094_25mL*sub49

Method: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 17-Oct-2024 09:43:37 Calib Date: 15-Oct-2024 00:00:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1693

First Level Reviewer: JS6E Date: 15-Oct-2024 00:23:36

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.812	1.812	0.000	51	20108	1.00	0.9522	
3 Chlorodifluoromethane	51	1.861	1.861	0.000	97	62358	1.00	0.9799	
4 Dimethyl ether	45	1.916	1.922	-0.006	100	71150	1.00	1.06	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.209	2.202	0.007	34	51804	1.00	0.9632	
25 Acetonitrile	41	3.824	3.727	0.097	19	24298	5.00	3.61	M
* 28 t-Butyl alcohol-d10 (IS)	65	3.928	3.903	0.025	22	79816	50.0	50.0	
35 Vinyl acetate	43	4.983	4.940	0.043	97	42488	1.00	0.8737	M
45 Ethyl acetate	43	5.860	5.842	0.018	97	17004	1.00	0.8051	
61 Isopropyl acetate	43	7.104	7.092	0.012	98	50742	1.00	0.8829	
* 64 Fluorobenzene (IS)	96	7.409	7.409	0.000	99	2054047	10.0	10.0	
75 n-Propyl acetate	61	8.427	8.421	0.006	98	9202	1.00	0.99	
78 2-Chloroethyl vinyl ether	63	8.970	8.963	0.007	91	17707	1.00	0.9558	
110 n-Butyl acetate	43	10.414	10.402	0.012	98	41956	1.00	0.8902	
* 113 Chlorobenzene-d5 (IS)	117	10.994	10.993	0.001	86	1484195	10.0	10.0	
124 cis-1,4-Dichloro-2-butene	88	11.920	11.914	0.006	27	13998	2.00	1.64	
125 Cyclohexanone	55	11.945	11.944	0.001	92	21643	50.0	48.1	
* 141 1,4-Dichlorobenzene-d4	152	12.908	12.908	0.000	95	828653	10.0	10.0	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

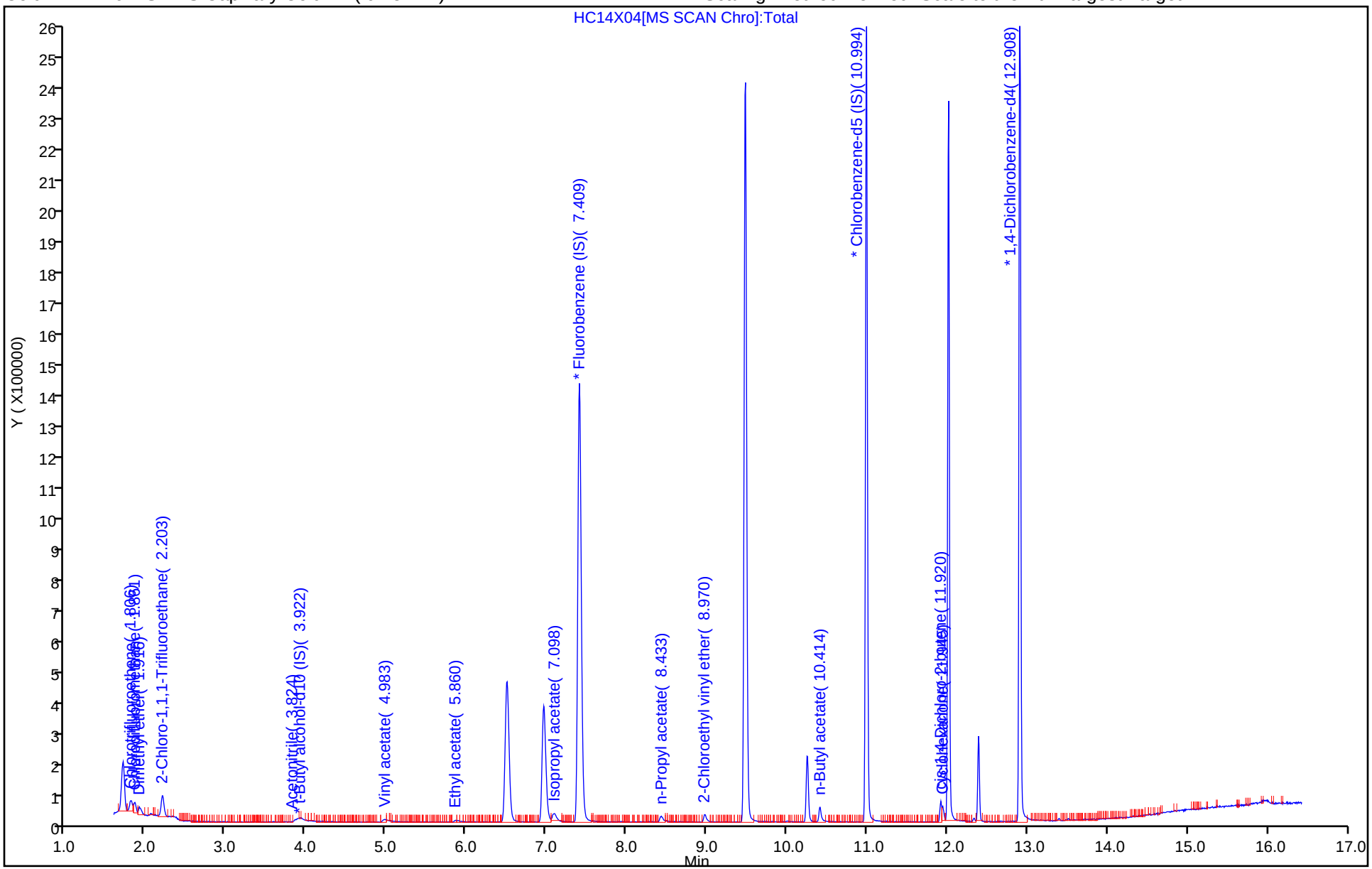
MSV_CCV_V5ACE_00041	Amount Added:	1.00	Units: uL
MSV_CCV_CYC_00009	Amount Added:	8.00	Units: uL
MSV_V_SMRV4_00078	Amount Added:	5.00	Units: uL
MSV_DME_00061	Amount Added:	1.00	Units: uL
MSV_LLcentISO_00009	Amount Added:	5.00	Units: uL

Report Date: 17-Oct-2024 09:43:38 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X04.D				
Injection Date:	14-Oct-2024 19:05:30	Instrument ID:	19094	Operator ID:	gaw91131
Lims ID:	IC std3 1			Worklist Smp#:	5
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

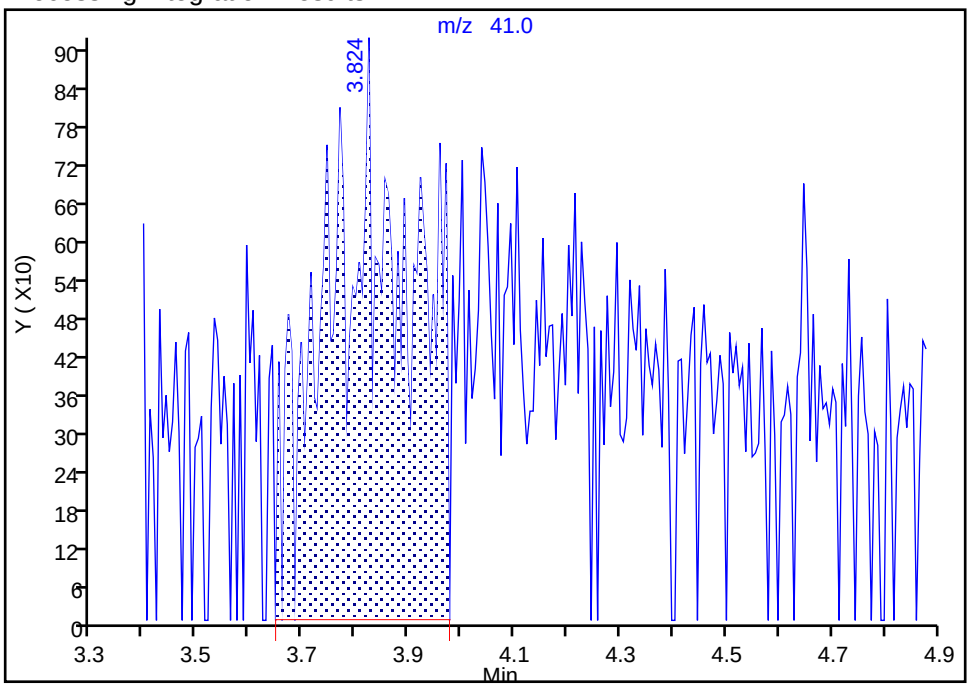
Data File:	\\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X04.D				
Injection Date:	14-Oct-2024 19:05:30	Instrument ID:	19094		
Lims ID:	IC std3 1				
Client ID:					
Operator ID:	gaw91131	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

25 Acetonitrile, CAS: 75-05-8

Signal: 1

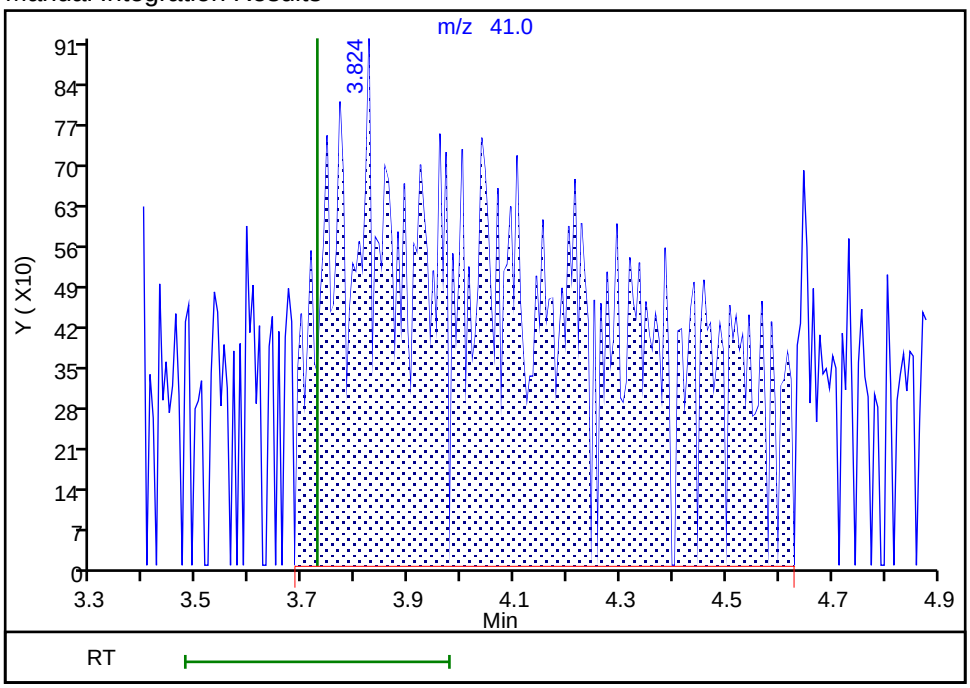
Processing Integration Results

RT: 3.82
Area: 9631
Amount: 4.217346
Amount Units: ug/l



Manual Integration Results

RT: 3.82
Area: 24298
Amount: 3.611397
Amount Units: ug/l



Reviewer: JS6E, 15-Oct-2024 00:37:07 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

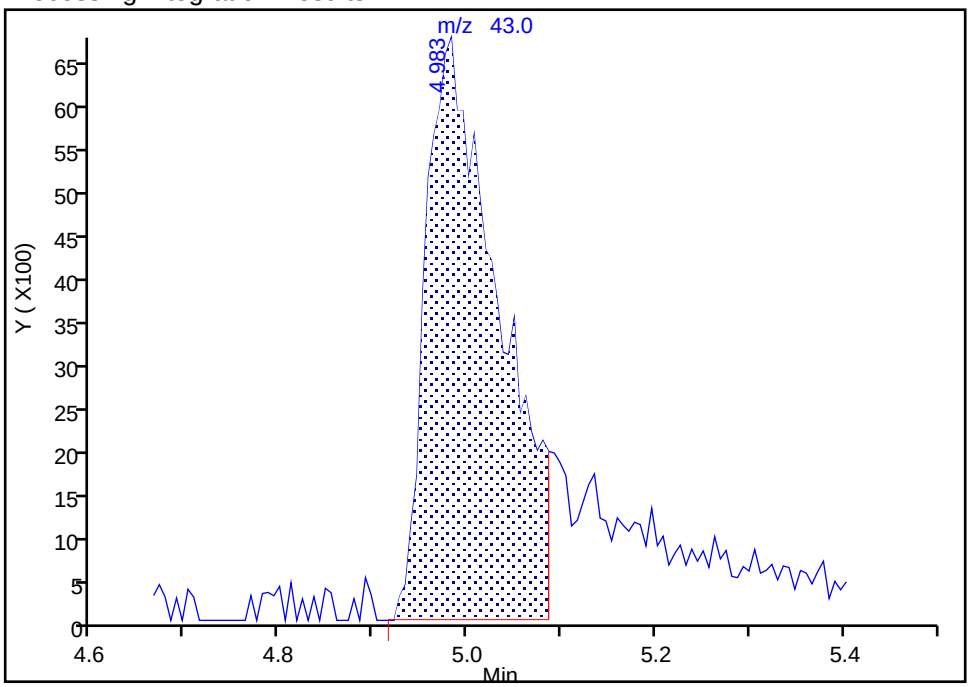
Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X04.D
Injection Date: 14-Oct-2024 19:05:30 Instrument ID: 19094
Lims ID: IC std3 1
Client ID:
Operator ID: gaw91131 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

35 Vinyl acetate, CAS: 108-05-4

Signal: 1

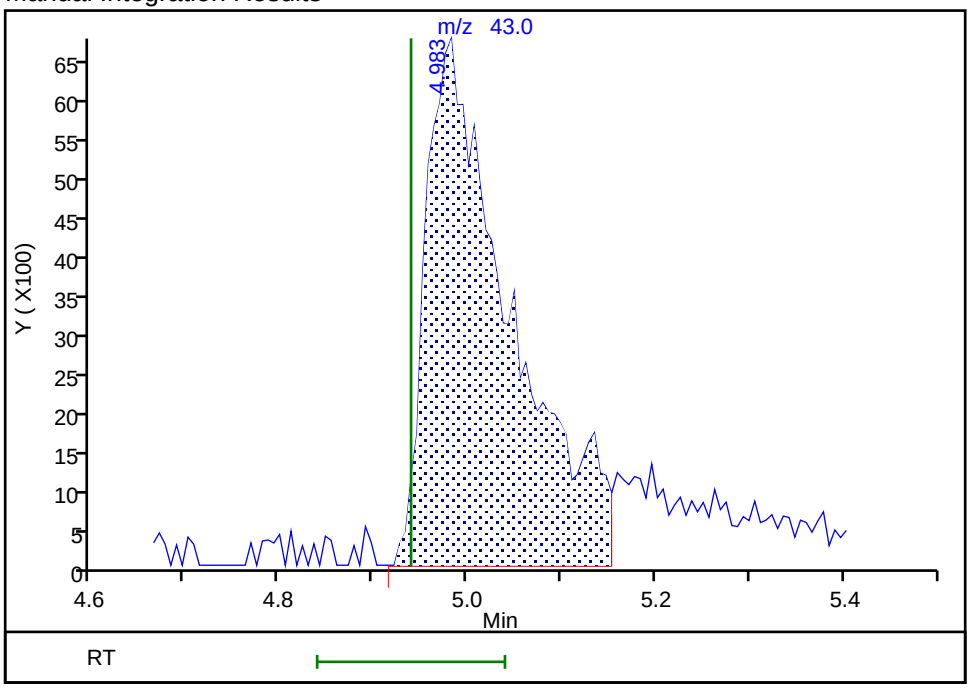
Processing Integration Results

RT: 4.98
Area: 36745
Amount: 0.886138
Amount Units: ug/l



Manual Integration Results

RT: 4.98
Area: 42488
Amount: 0.873705
Amount Units: ug/l



Reviewer: JS6E, 15-Oct-2024 00:24:09 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X05.D
Lims ID: IC std4 2
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 14-Oct-2024 19:26:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0127661-006
Misc. Info.: IC std4 2
Operator ID: gaw91131 Instrument ID: 19094
Sublist: chrom-MSV_19094_25mL*sub49

Method: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 17-Oct-2024 09:43:41 Calib Date: 15-Oct-2024 00:00:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1693

First Level Reviewer: JS6E Date: 15-Oct-2024 00:18:24

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.819	1.812	0.007	95	44839	2.00	2.10	
3 Chlorodifluoromethane	51	1.861	1.861	0.000	97	134829	2.00	2.09	
4 Dimethyl ether	45	1.922	1.922	0.000	98	143061	2.00	2.10	M
8 2-Chloro-1,1,1-Trifluoroethane	118	2.203	2.202	0.001	34	112762	2.00	2.07	
25 Acetonitrile	41	3.806	3.727	0.079	19	33015	10.0	8.65	M
* 28 t-Butyl alcohol-d10 (IS)	65	3.928	3.903	0.025	22	75146	50.0	50.0	
35 Vinyl acetate	43	4.976	4.940	0.036	97	86964	2.00	1.77	
45 Ethyl acetate	43	5.854	5.842	0.012	99	36605	2.00	1.71	
61 Isopropyl acetate	43	7.092	7.092	0.000	97	104723	2.00	1.80	
* 64 Fluorobenzene (IS)	96	7.409	7.409	0.000	99	2079218	10.0	10.0	
75 n-Propyl acetate	61	8.427	8.421	0.006	100	17379	2.00	1.85	
78 2-Chloroethyl vinyl ether	63	8.970	8.963	0.007	91	36925	2.00	1.97	
110 n-Butyl acetate	43	10.408	10.402	0.006	99	90977	2.00	1.93	
* 113 Chlorobenzene-d5 (IS)	117	10.994	10.993	0.001	86	1487699	10.0	10.0	
124 cis-1,4-Dichloro-2-butene	88	11.914	11.914	0.000	27	33834	4.00	3.94	
125 Cyclohexanone	55	11.945	11.944	0.001	91	39288	100.0	92.8	
* 141 1,4-Dichlorobenzene-d4	152	12.908	12.908	0.000	95	827370	10.0	10.0	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

MSV_CCV_V5ACE_00041	Amount Added:	1.00	Units: uL
MSV_CCV_CYC_00009	Amount Added:	8.00	Units: uL
MSV_V_SMRV4_00078	Amount Added:	5.00	Units: uL
MSV_DME_00061	Amount Added:	1.00	Units: uL
MSV_LLcentISO_00009	Amount Added:	5.00	Units: uL

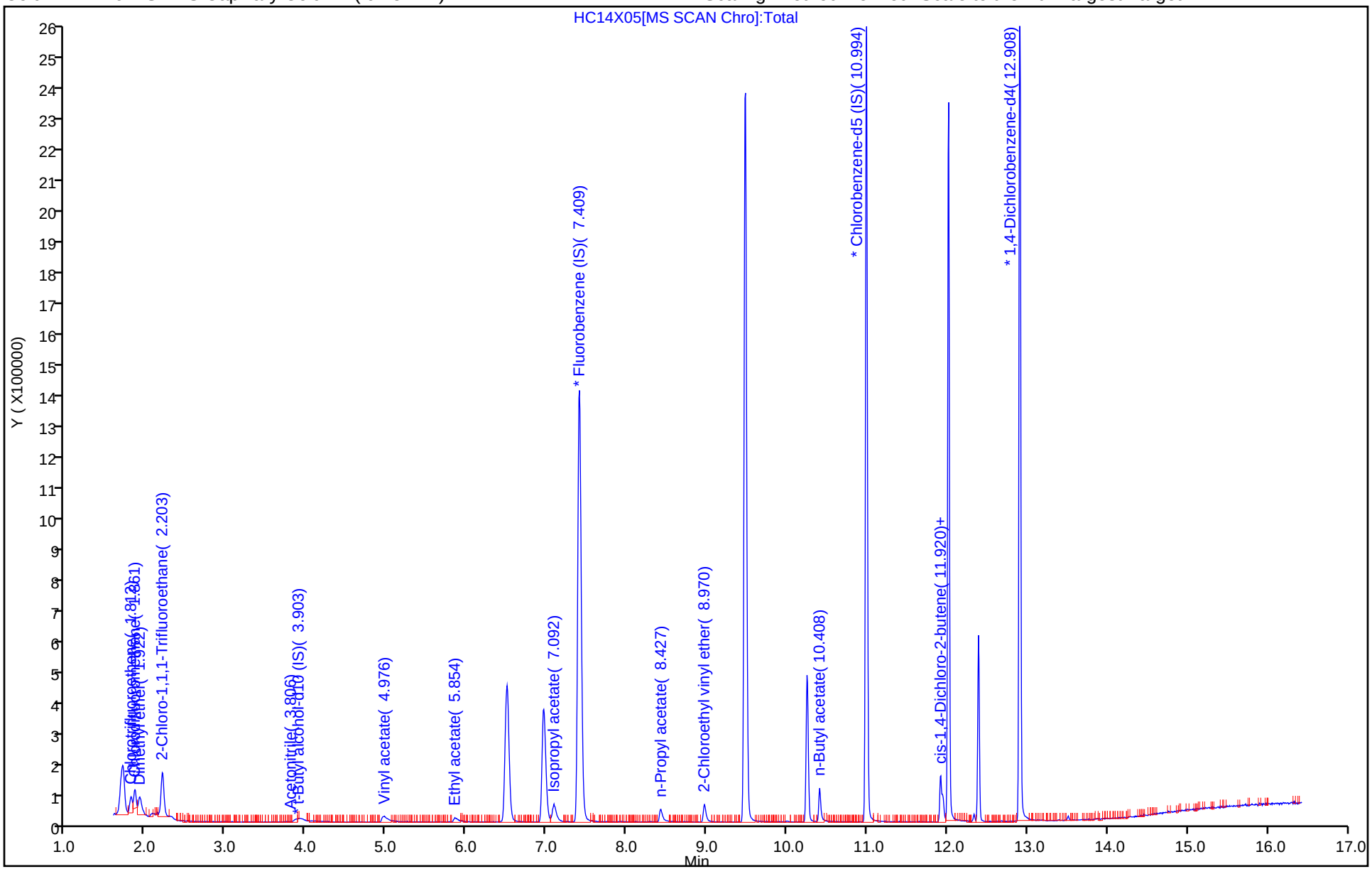
Report Date: 17-Oct-2024 09:43:42 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X05.D

Injection Date:	14-Oct-2024 19:26:30	Instrument ID:	19094	Operator ID:	gaw91131
Lims ID:	IC std4 2			Worklist Smp#:	6
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

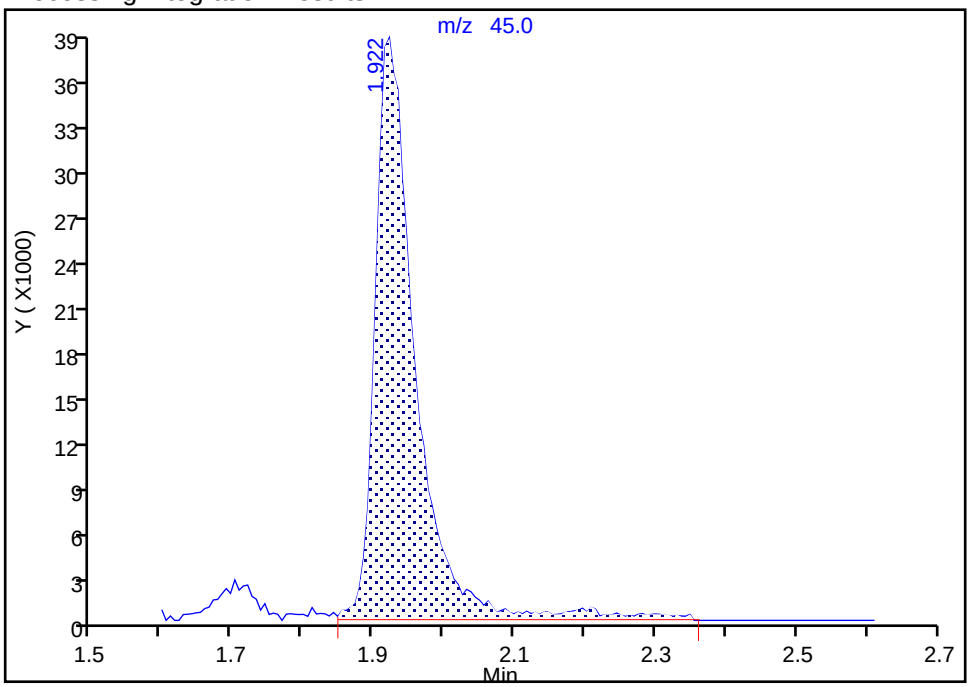
Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X05.D
Injection Date: 14-Oct-2024 19:26:30 Instrument ID: 19094
Lims ID: IC std4 2
Client ID:
Operator ID: gaw91131 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

4 Dimethyl ether, CAS: 115-10-6

Signal: 1

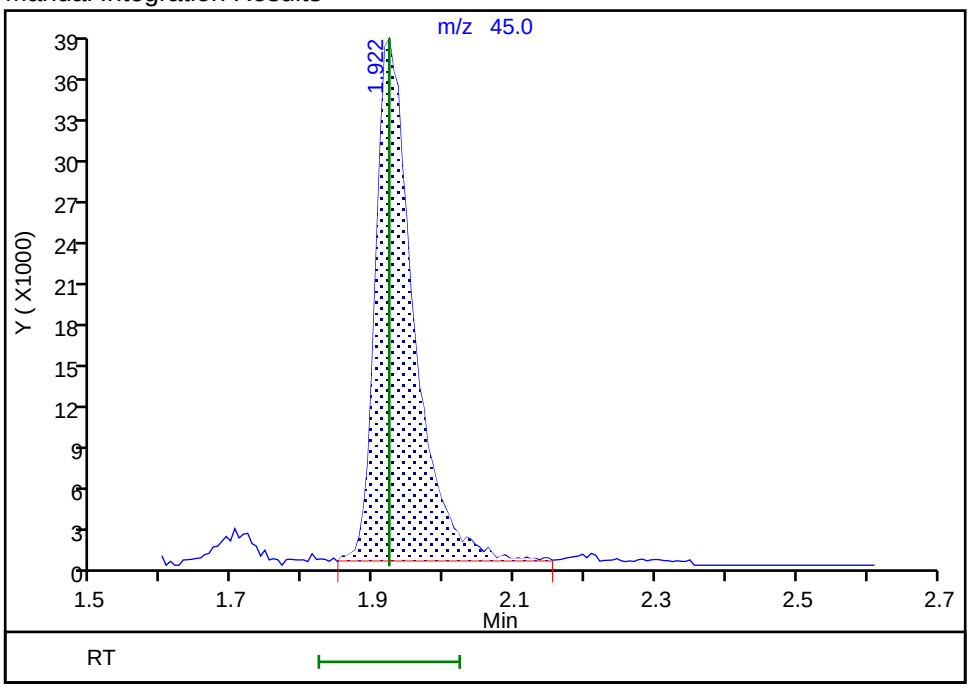
Processing Integration Results

RT: 1.92
Area: 153383
Amount: 2.252287
Amount Units: ug/l



Manual Integration Results

RT: 1.92
Area: 143061
Amount: 2.102887
Amount Units: ug/l



Reviewer: JS6E, 15-Oct-2024 00:18:55 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

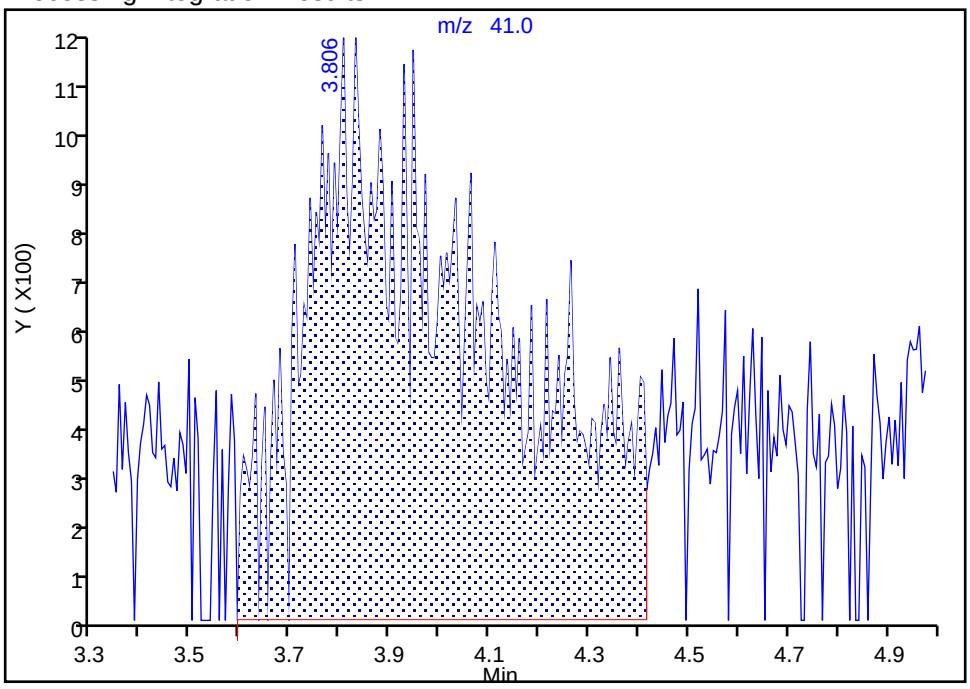
Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X05.D
Injection Date: 14-Oct-2024 19:26:30 Instrument ID: 19094
Lims ID: IC std4 2
Client ID:
Operator ID: gaw91131 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

25 Acetonitrile, CAS: 75-05-8

Signal: 1

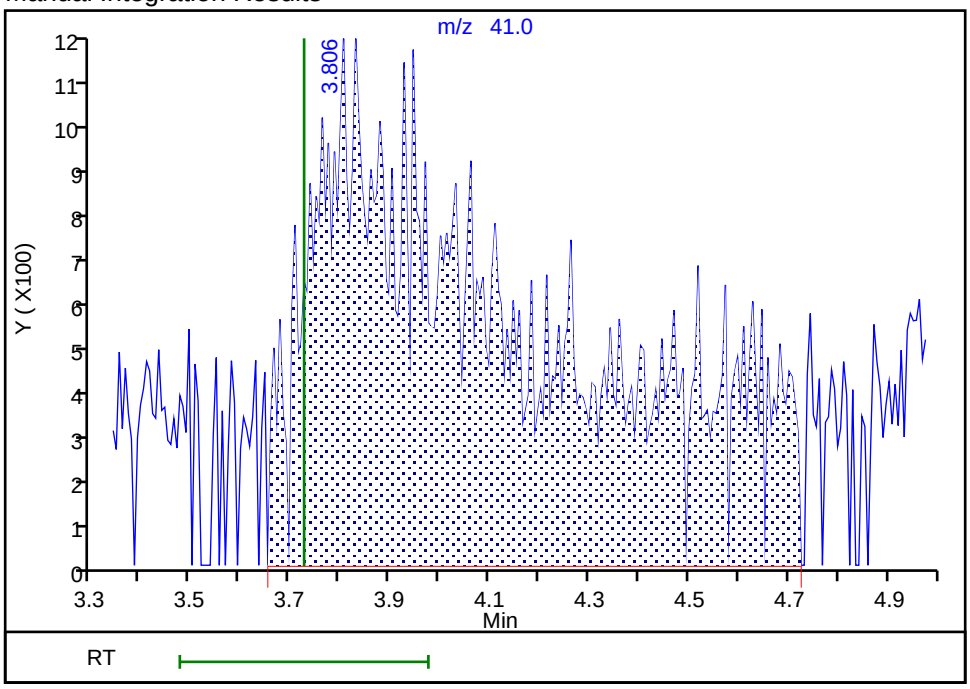
Processing Integration Results

RT: 3.81
Area: 27212
Amount: 12.681285
Amount Units: ug/l



Manual Integration Results

RT: 3.81
Area: 33015
Amount: 8.651331
Amount Units: ug/l



Reviewer: JS6E, 15-Oct-2024 00:19:21 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X06.D
Lims ID: IC std5 5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 14-Oct-2024 19:47:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0127661-007
Misc. Info.: IC std5 5
Operator ID: gaw91131 Instrument ID: 19094
Sublist: chrom-MSV_19094_25mL*sub49

Method: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 17-Oct-2024 09:43:44 Calib Date: 15-Oct-2024 00:00:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1693

First Level Reviewer: JS6E Date: 15-Oct-2024 00:18:11

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.806	1.812	-0.006	94	114536	5.00	5.36	
3 Chlorodifluoromethane	51	1.849	1.861	-0.012	97	317939	5.00	4.94	
4 Dimethyl ether	45	1.910	1.922	-0.012	99	341281	5.00	5.02	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.196	2.202	-0.006	34	275108	5.00	5.06	
25 Acetonitrile	41	3.708	3.727	-0.019	99	63169	25.0	26.7	M
* 28 t-Butyl alcohol-d10 (IS)	65	3.922	3.903	0.019	22	87547	50.0	50.0	
35 Vinyl acetate	43	4.946	4.940	0.006	97	234842	5.00	4.77	
45 Ethyl acetate	43	5.836	5.842	-0.006	99	110467	5.00	5.17	
61 Isopropyl acetate	43	7.086	7.092	-0.006	98	290548	5.00	5.00	
* 64 Fluorobenzene (IS)	96	7.403	7.409	-0.006	99	2078200	10.0	10.0	
75 n-Propyl acetate	61	8.415	8.421	-0.006	99	52893	5.00	5.63	
78 2-Chloroethyl vinyl ether	63	8.963	8.963	0.000	92	99396	5.00	5.30	
110 n-Butyl acetate	43	10.402	10.402	0.000	98	246275	5.00	5.19	
* 113 Chlorobenzene-d5 (IS)	117	10.993	10.993	0.000	86	1493515	10.0	10.0	
124 cis-1,4-Dichloro-2-butene	88	11.914	11.914	0.000	90	95916	10.0	11.1	
125 Cyclohexanone	55	11.945	11.944	0.001	93	107639	250.0	218.2	
* 141 1,4-Dichlorobenzene-d4	152	12.908	12.908	0.000	95	828983	10.0	10.0	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

MSV_CCV_V5ACE_00041	Amount Added:	1.00	Units: uL
MSV_CCV_CYC_00009	Amount Added:	8.00	Units: uL
MSV_V_SMRV4_00078	Amount Added:	5.00	Units: uL
MSV_DME_00061	Amount Added:	1.00	Units: uL
MSV_LLcentISO_00009	Amount Added:	5.00	Units: uL

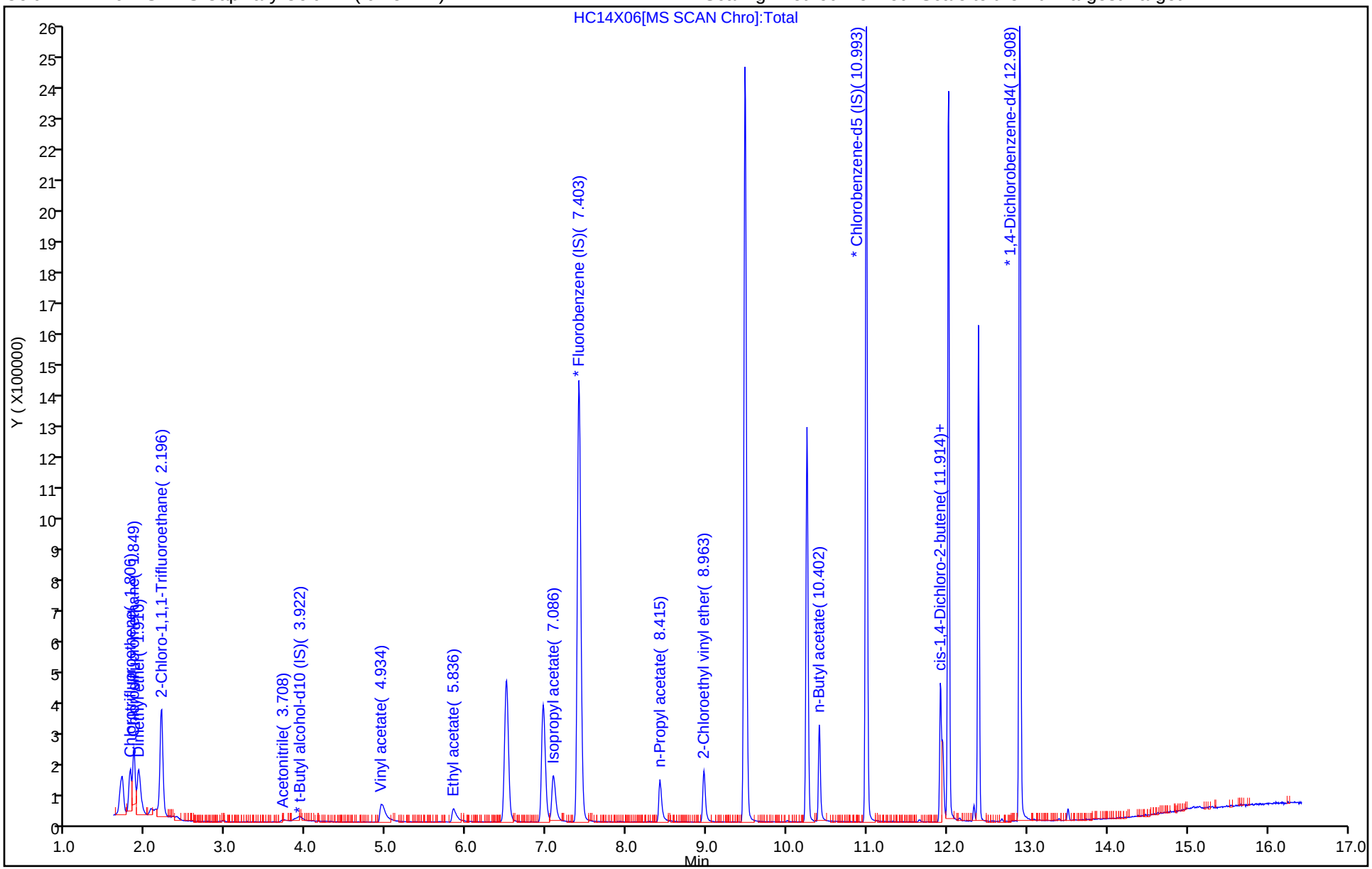
Report Date: 17-Oct-2024 09:43:45 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X06.D

Injection Date:	14-Oct-2024 19:47:30	Instrument ID:	19094	Operator ID:	gaw91131
Lims ID:	IC std5 5			Worklist Smp#:	7
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

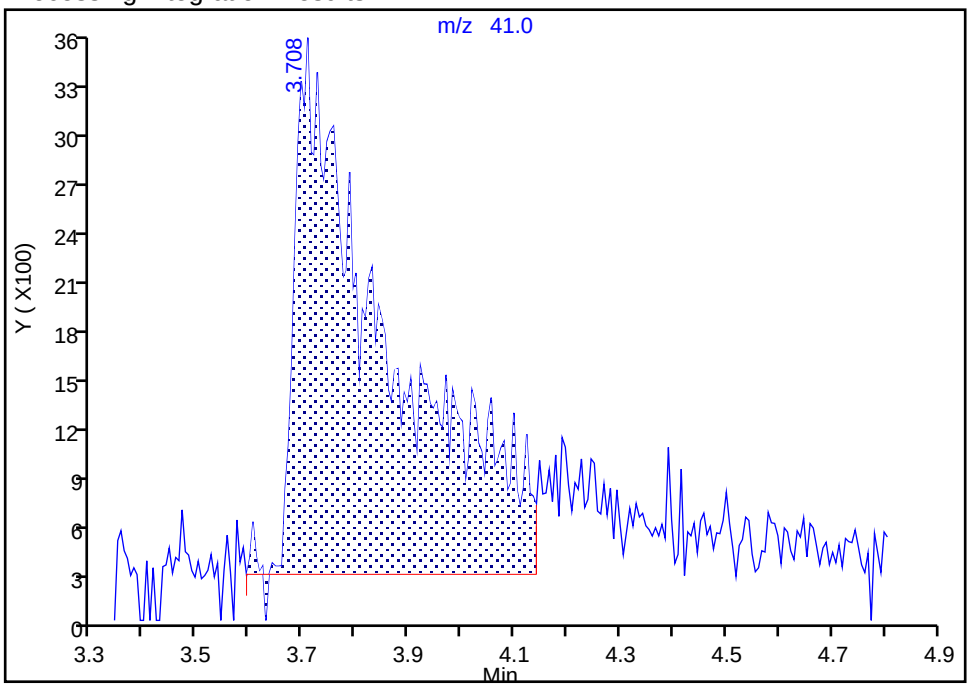
Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X06.D
Injection Date: 14-Oct-2024 19:47:30 Instrument ID: 19094
Lims ID: IC std5 5
Client ID:
Operator ID: gaw91131 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

25 Acetonitrile, CAS: 75-05-8

Signal: 1

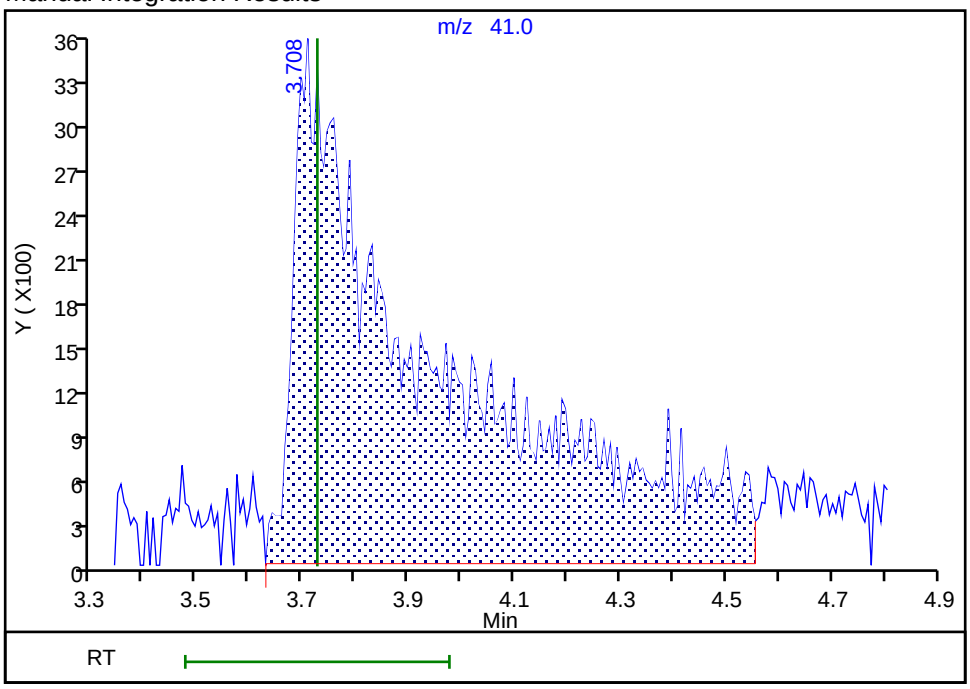
Processing Integration Results

RT: 3.71
Area: 39165
Amount: 20.056262
Amount Units: ug/l



Manual Integration Results

RT: 3.71
Area: 63169
Amount: 26.720666
Amount Units: ug/l



Reviewer: JS6E, 15-Oct-2024 00:40:06 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X07.D
Lims ID: IC std6 10
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 14-Oct-2024 20:08:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0127661-008
Misc. Info.: IC std6 10
Operator ID: gaw91131 Instrument ID: 19094
Sublist: chrom-MSV_19094_25mL*sub49

Method: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 17-Oct-2024 09:43:47 Calib Date: 15-Oct-2024 00:00:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1693

First Level Reviewer: JS6E Date: 15-Oct-2024 00:13:58

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.812	1.812	0.000	94	248887	10.0	11.6	
3 Chlorodifluoromethane	51	1.861	1.861	0.000	97	636418	10.0	9.85	
4 Dimethyl ether	45	1.922	1.922	0.000	100	616402	10.0	9.04	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.202	2.202	0.000	34	555419	10.0	10.2	
25 Acetonitrile	41	3.727	3.727	0.000	98	105716	50.0	52.0	M
* 28 t-Butyl alcohol-d10 (IS)	65	3.916	3.916	0.000	25	81565	50.0	50.0	
35 Vinyl acetate	43	4.940	4.940	0.000	97	482353	10.0	9.77	
45 Ethyl acetate	43	5.842	5.842	0.000	99	227925	10.0	10.6	
61 Isopropyl acetate	43	7.092	7.092	0.000	98	565141	10.0	9.69	
* 64 Fluorobenzene (IS)	96	7.409	7.409	0.000	99	2085022	10.0	10.0	
75 n-Propyl acetate	61	8.421	8.421	0.000	99	107642	10.0	11.4	
78 2-Chloroethyl vinyl ether	63	8.963	8.963	0.000	91	197049	10.0	10.5	
110 n-Butyl acetate	43	10.402	10.402	0.000	98	497235	10.0	10.5	
* 113 Chlorobenzene-d5 (IS)	117	10.993	10.993	0.000	86	1494808	10.0	10.0	
124 cis-1,4-Dichloro-2-butene	88	11.914	11.914	0.000	90	192295	20.0	22.3	
125 Cyclohexanone	55	11.944	11.944	0.000	92	217978	500.0	474.4	
* 141 1,4-Dichlorobenzene-d4	152	12.908	12.908	0.000	95	820844	10.0	10.0	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

MSV_CCV_V5ACE_00041	Amount Added:	1.00	Units: uL
MSV_CCV_CYC_00009	Amount Added:	8.00	Units: uL
MSV_V_SMRV4_00078	Amount Added:	5.00	Units: uL
MSV_DME_00061	Amount Added:	1.00	Units: uL
MSV_LLcentISO_00009	Amount Added:	5.00	Units: uL

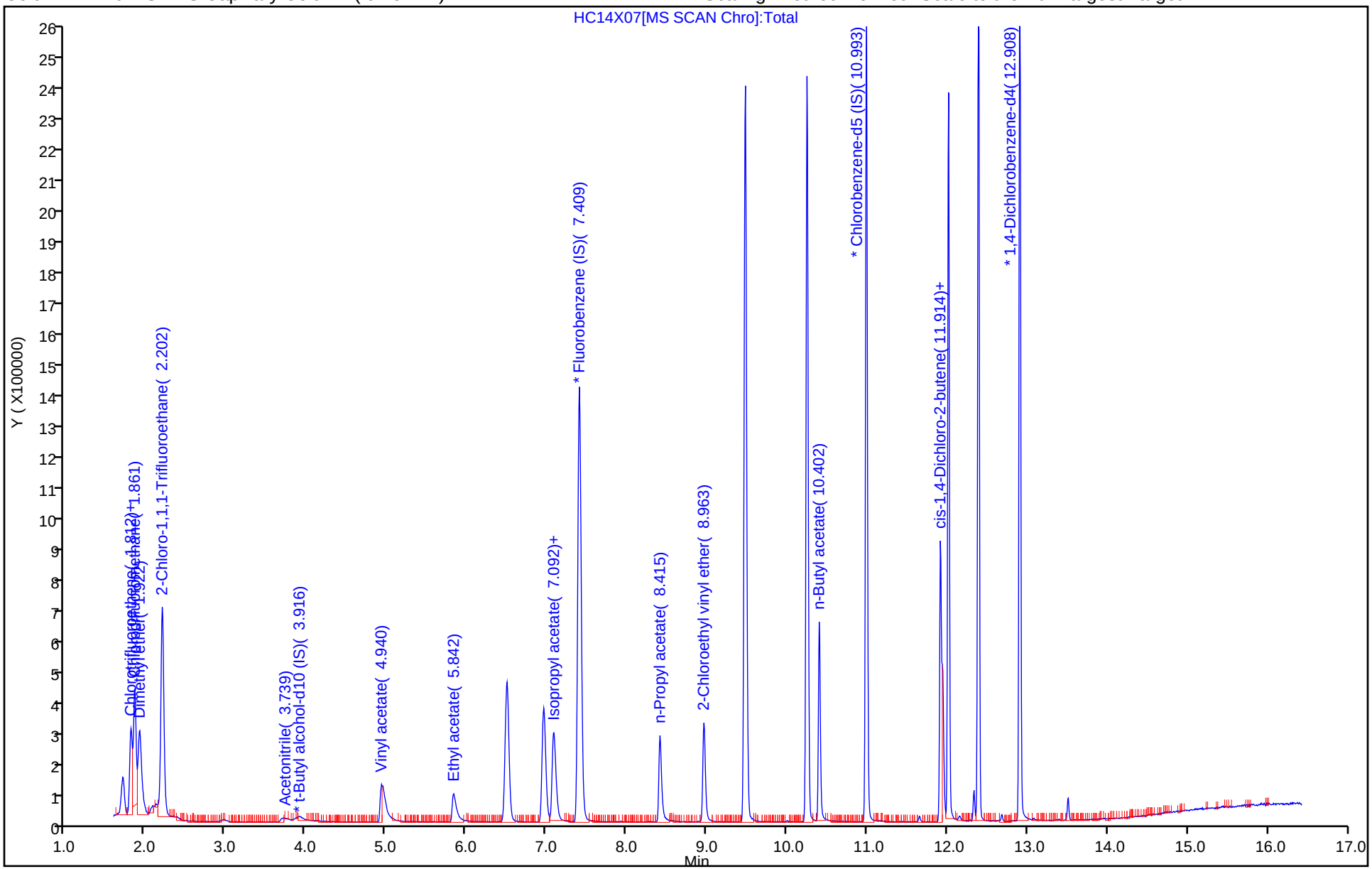
Report Date: 17-Oct-2024 09:43:48 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X07.D

Injection Date:	14-Oct-2024 20:08:30	Instrument ID:	19094	Operator ID:	gaw91131
Lims ID:	IC std6 10			Worklist Smp#:	8
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

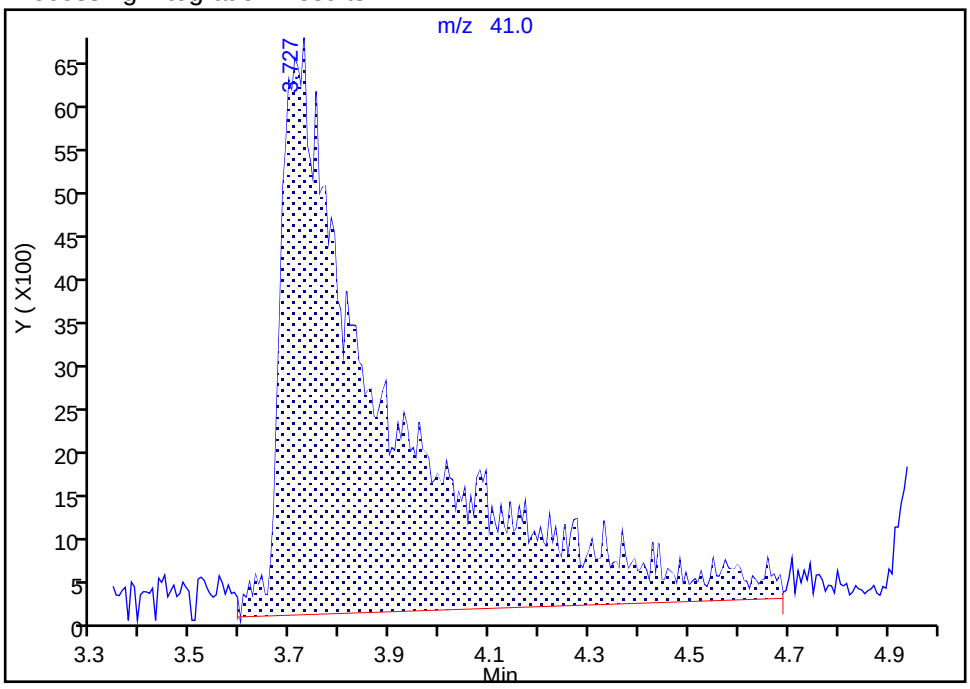
Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X07.D
Injection Date: 14-Oct-2024 20:08:30 Instrument ID: 19094
Lims ID: IC std6 10
Client ID:
Operator ID: gaw91131 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

25 Acetonitrile, CAS: 75-05-8

Signal: 1

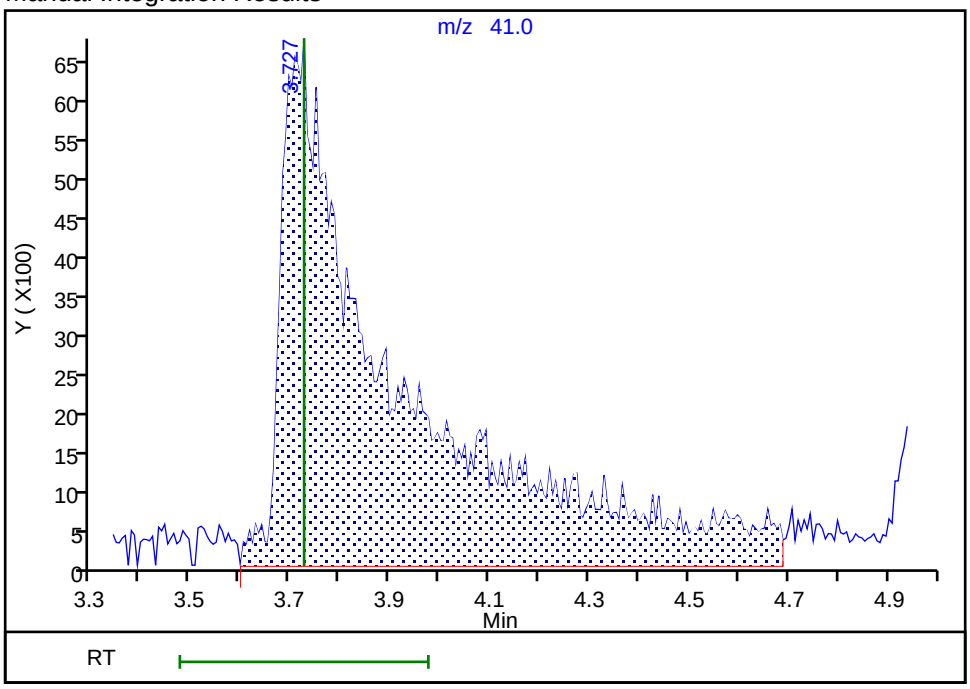
Processing Integration Results

RT: 3.73
Area: 95651
Amount: 58.617703
Amount Units: ug/l



Manual Integration Results

RT: 3.73
Area: 105716
Amount: 51.995502
Amount Units: ug/l



Reviewer: JS6E, 15-Oct-2024 00:39:28 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X08.D
Lims ID: IC std7 25
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 14-Oct-2024 20:29:30 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0127661-009
Misc. Info.: IC std7 25
Operator ID: gaw91131 Instrument ID: 19094
Sublist: chrom-MSV_19094_25mL*sub49

Method: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 17-Oct-2024 09:43:52 Calib Date: 15-Oct-2024 00:00:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1693

First Level Reviewer: JS6E Date: 15-Oct-2024 00:16:38

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.806	1.812	-0.006	93	609123	25.0	28.4	
3 Chlorodifluoromethane	51	1.849	1.861	-0.012	97	1567217	25.0	24.2	
4 Dimethyl ether	45	1.910	1.922	-0.012	99	1583530	25.0	23.2	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.190	2.202	-0.012	34	1364953	25.0	25.0	
25 Acetonitrile	41	3.684	3.727	-0.043	99	226537	125.0	124.0	M
* 28 t-Butyl alcohol-d10 (IS)	65	3.910	3.916	-0.006	1	72189	50.0	50.0	
35 Vinyl acetate	43	4.928	4.940	-0.012	97	1233249	25.0	25.0	
45 Ethyl acetate	43	5.824	5.842	-0.018	99	595416	25.0	27.8	
61 Isopropyl acetate	43	7.080	7.092	-0.012	98	1447791	25.0	24.8	
* 64 Fluorobenzene (IS)	96	7.403	7.409	-0.006	99	2086550	10.0	10.0	
75 n-Propyl acetate	61	8.409	8.421	-0.012	99	290046	25.0	30.8	
78 2-Chloroethyl vinyl ether	63	8.957	8.963	-0.006	92	508357	25.0	27.0	
110 n-Butyl acetate	43	10.402	10.402	0.000	98	1286845	25.0	26.8	
* 113 Chlorobenzene-d5 (IS)	117	10.994	10.993	0.001	86	1514301	10.0	10.0	
124 cis-1,4-Dichloro-2-butene	88	11.914	11.914	0.000	97	498900	50.0	57.1	
125 Cyclohexanone	55	11.945	11.944	0.001	92	439453	1250.1	1080.5	
* 141 1,4-Dichlorobenzene-d4	152	12.908	12.908	0.000	95	840193	10.0	10.0	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

MSV_CCV_V5ACE_00041	Amount Added:	2.50	Units: uL
MSV_CCV_CYC_00009	Amount Added:	20.00	Units: uL
MSV_V_SMRV4_00078	Amount Added:	12.50	Units: uL
MSV_DME_00061	Amount Added:	2.50	Units: uL
MSV_LLcentISO_00009	Amount Added:	5.00	Units: uL

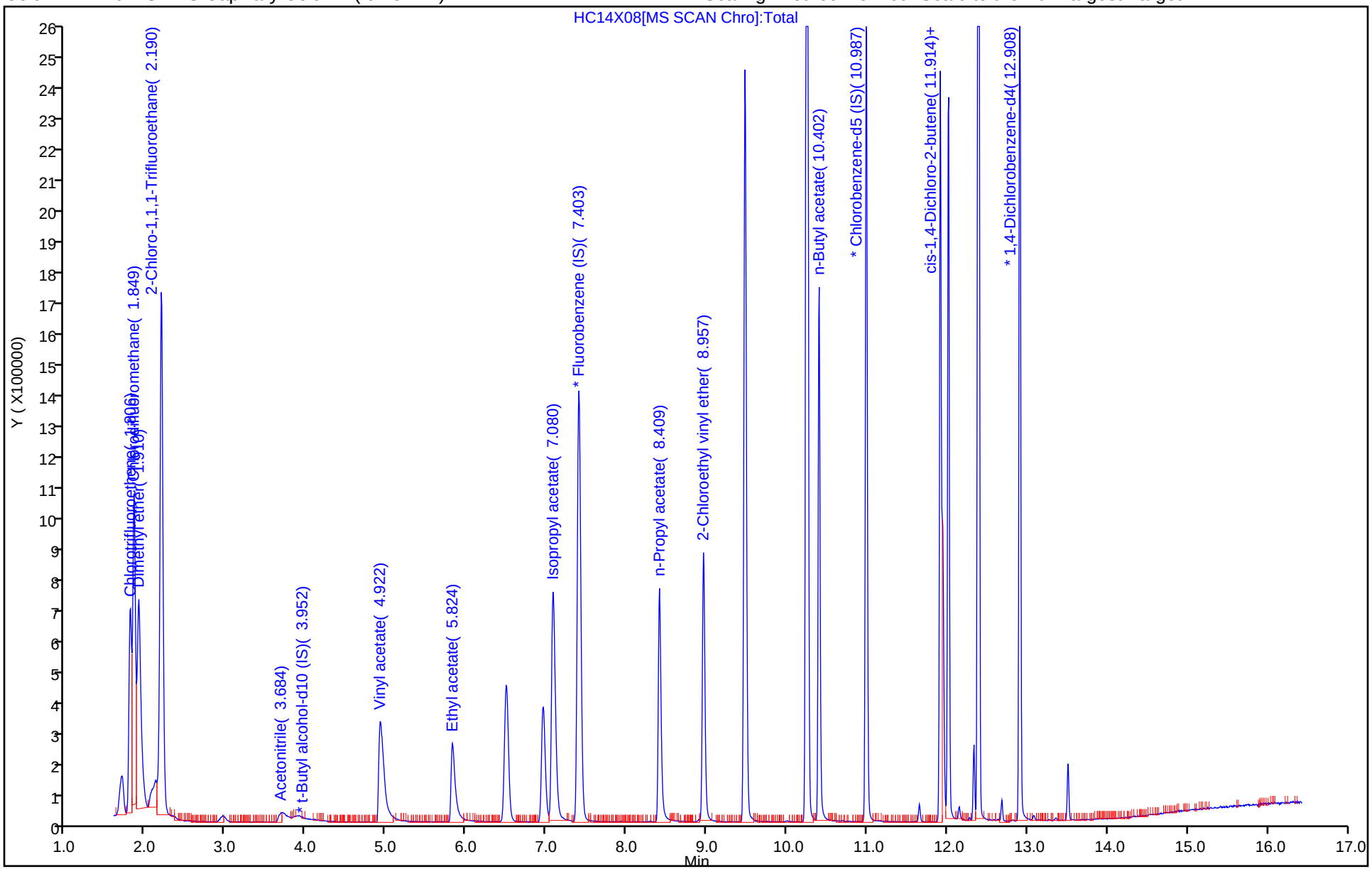
Report Date: 17-Oct-2024 09:43:53 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X08.D

Injection Date:	14-Oct-2024 20:29:30	Instrument ID:	19094	Operator ID:	gaw91131
Lims ID:	IC std7 25			Worklist Smp#:	9
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

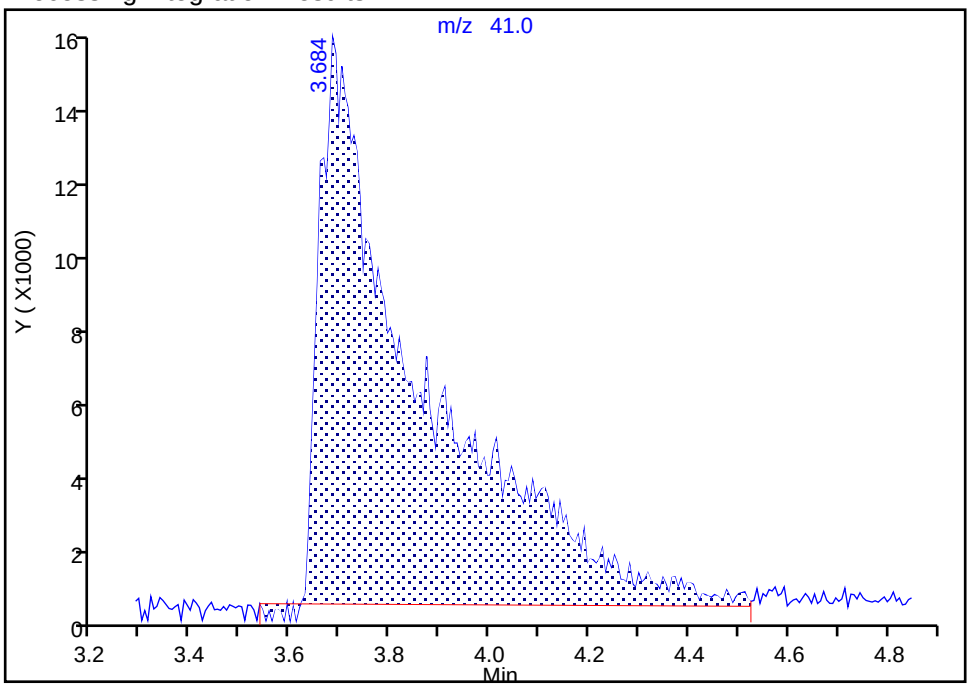
Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X08.D
Injection Date: 14-Oct-2024 20:29:30 Instrument ID: 19094
Lims ID: IC std7 25
Client ID:
Operator ID: gaw91131 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

25 Acetonitrile, CAS: 75-05-8

Signal: 1

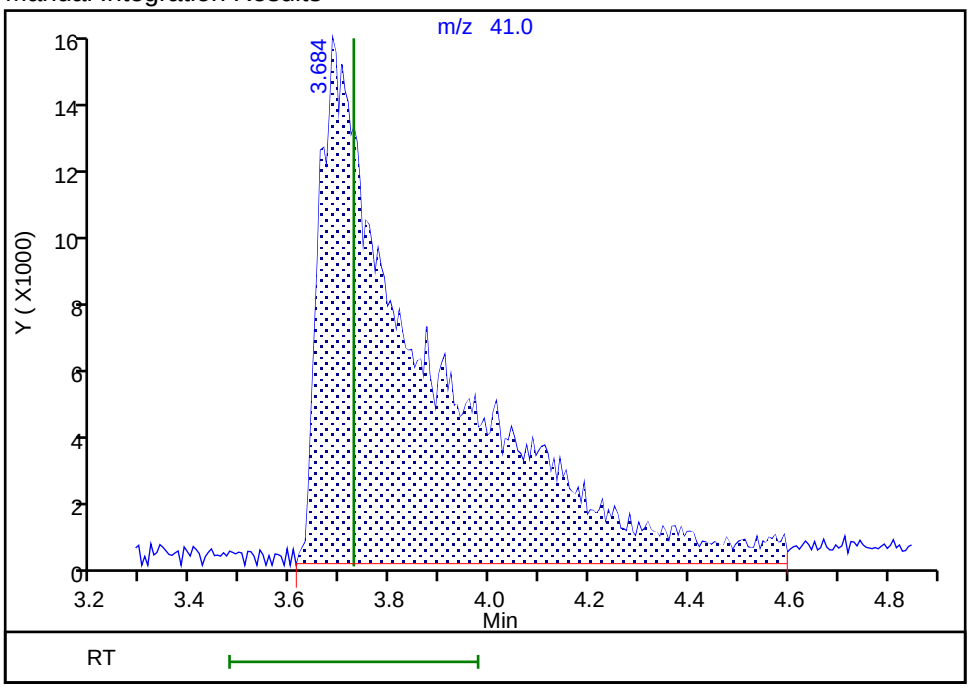
Processing Integration Results

RT: 3.68
Area: 202048
Amount: 104.9705
Amount Units: ug/l



Manual Integration Results

RT: 3.68
Area: 226537
Amount: 124.0211
Amount Units: ug/l



Reviewer: JS6E, 15-Oct-2024 00:16:19 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Calibration / Chlorodifluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

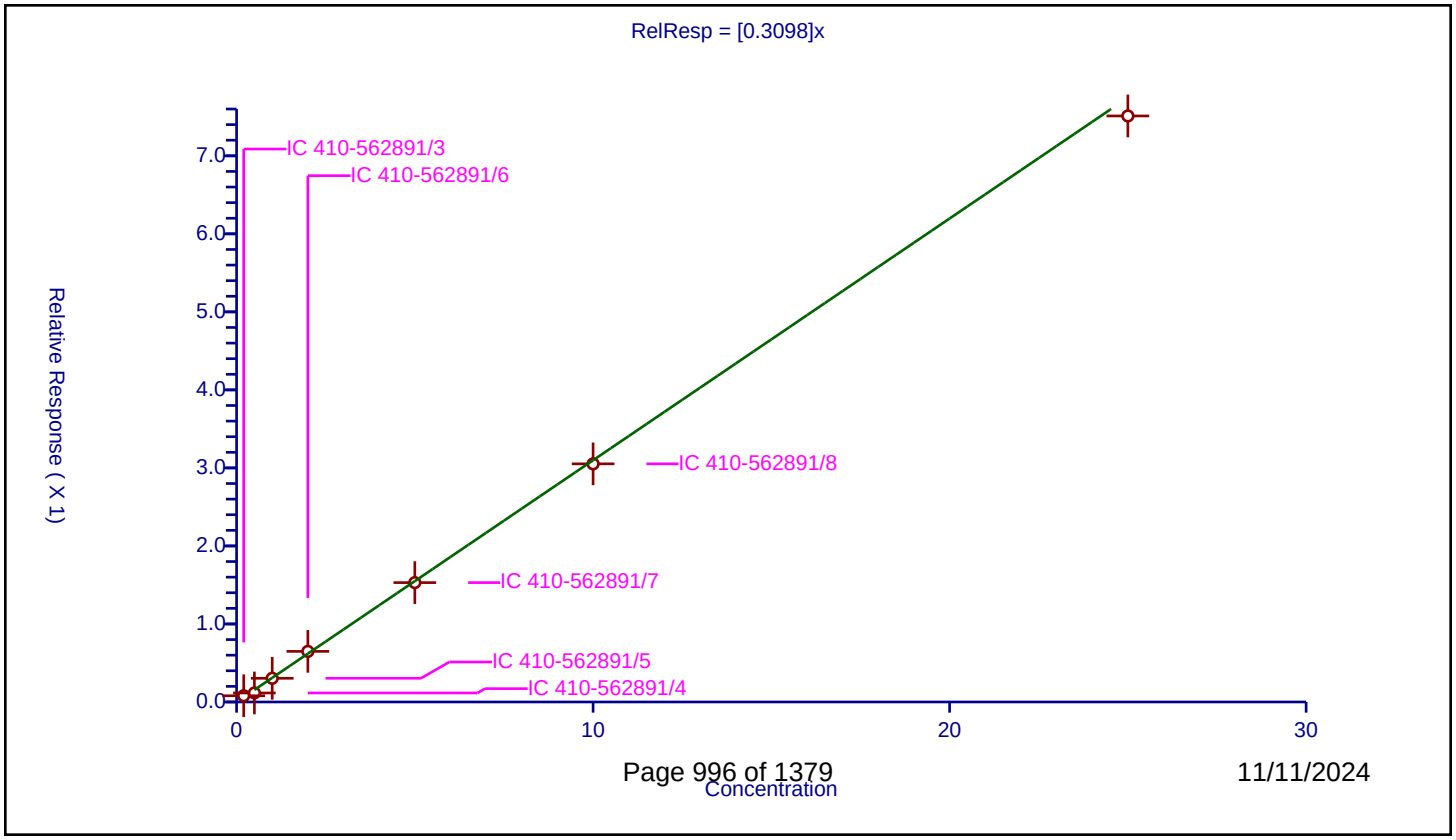
Curve Coefficients

Intercept:	0
Slope:	0.3098

Error Coefficients

Relative Standard Deviation:	15.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/3	0.2	0.079653	10.0	2066465.0	0.398265	Y
2	IC 410-562891/4	0.5	0.115524	10.0	2042267.0	0.231047	Y
3	IC 410-562891/5	1.0	0.303586	10.0	2054047.0	0.303586	Y
4	IC 410-562891/6	2.0	0.64846	10.0	2079218.0	0.32423	Y
5	IC 410-562891/7	5.0	1.529877	10.0	2078200.0	0.305975	Y
6	IC 410-562891/8	10.0	3.052332	10.0	2085022.0	0.305233	Y
7	IC 410-562891/9	25.0	7.511045	10.0	2086550.0	0.300442	Y



Calibration / Dimethyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

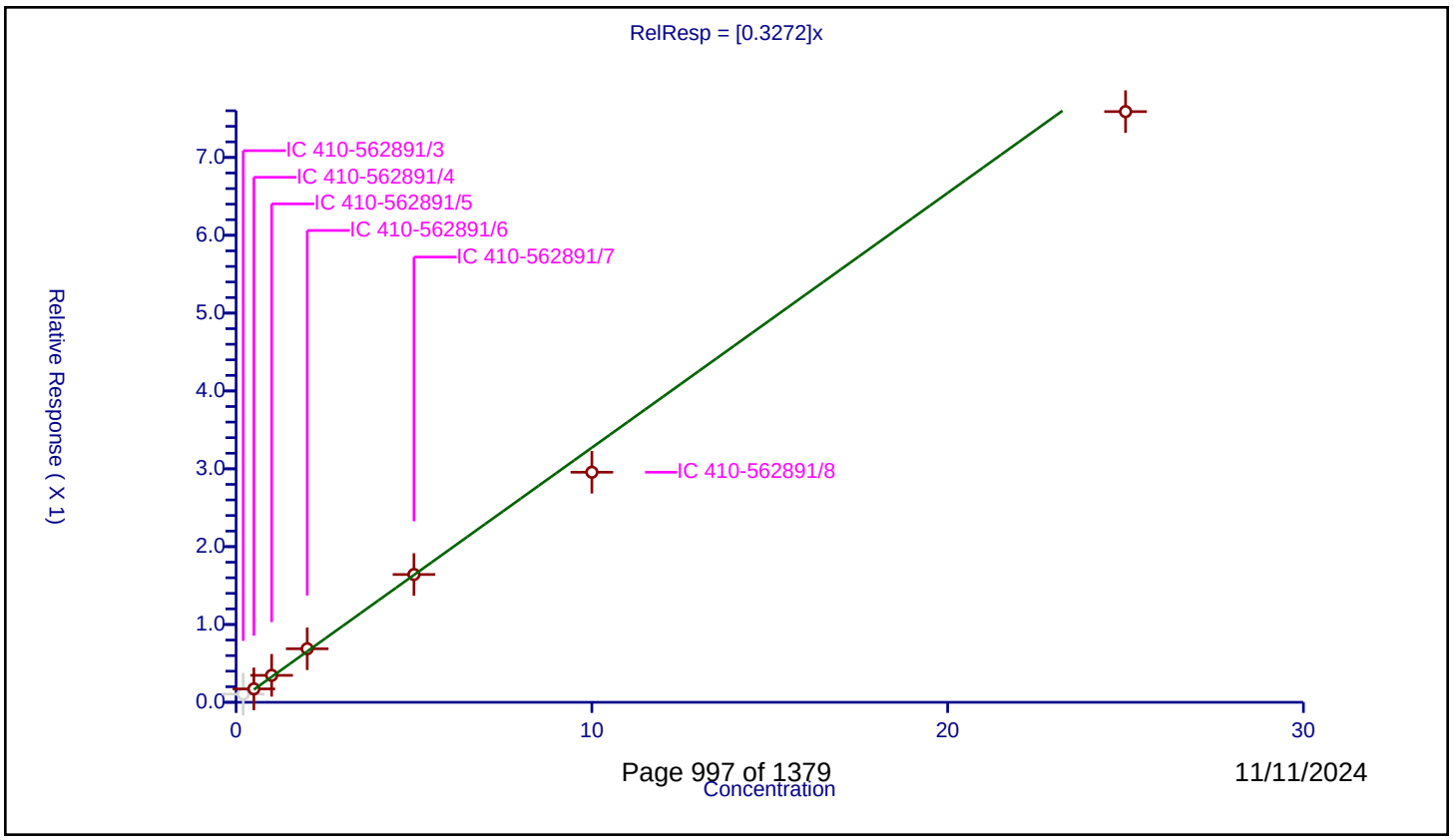
Curve Coefficients

Intercept:	0
Slope:	0.3272

Error Coefficients

Relative Standard Deviation:	6.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/3	0.2	0.105514	10.0	2066465.0	0.527568	N
2	IC 410-562891/4	0.5	0.172553	10.0	2042267.0	0.345107	Y
3	IC 410-562891/5	1.0	0.346389	10.0	2054047.0	0.346389	Y
4	IC 410-562891/6	2.0	0.688052	10.0	2079218.0	0.344026	Y
5	IC 410-562891/7	5.0	1.642195	10.0	2078200.0	0.328439	Y
6	IC 410-562891/8	10.0	2.956333	10.0	2085022.0	0.295633	Y
7	IC 410-562891/9	25.0	7.589226	10.0	2086550.0	0.303569	Y



Calibration / Acetonitrile

Curve Type:	Linear
Weighting:	None
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

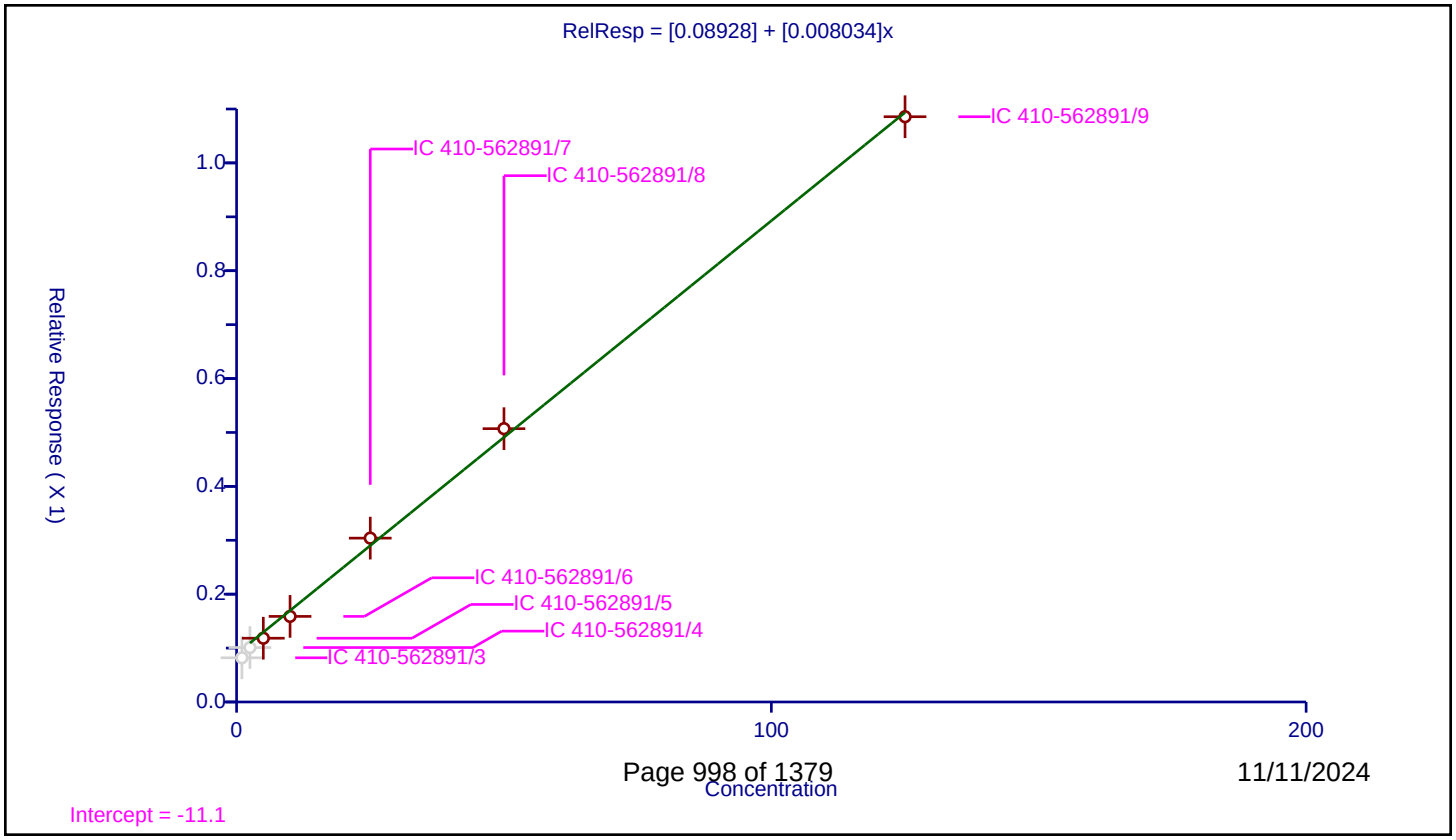
Curve Coefficients

Intercept:	0.08928
Slope:	0.008034

Error Coefficients

Relative Standard Deviation:	18.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/3	1.0	0.082	10.0	2066465.0	0.082	N
2	IC 410-562891/4	2.5	0.10101	10.0	2042267.0	0.040404	N
3	IC 410-562891/5	5.0	0.118293	10.0	2054047.0	0.023659	Y
4	IC 410-562891/6	10.0	0.158786	10.0	2079218.0	0.015879	Y
5	IC 410-562891/7	25.0	0.30396	10.0	2078200.0	0.012158	Y
6	IC 410-562891/8	50.0	0.507026	10.0	2085022.0	0.010141	Y
7	IC 410-562891/9	125.0	1.085701	10.0	2086550.0	0.008686	Y



Calibration / Vinyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

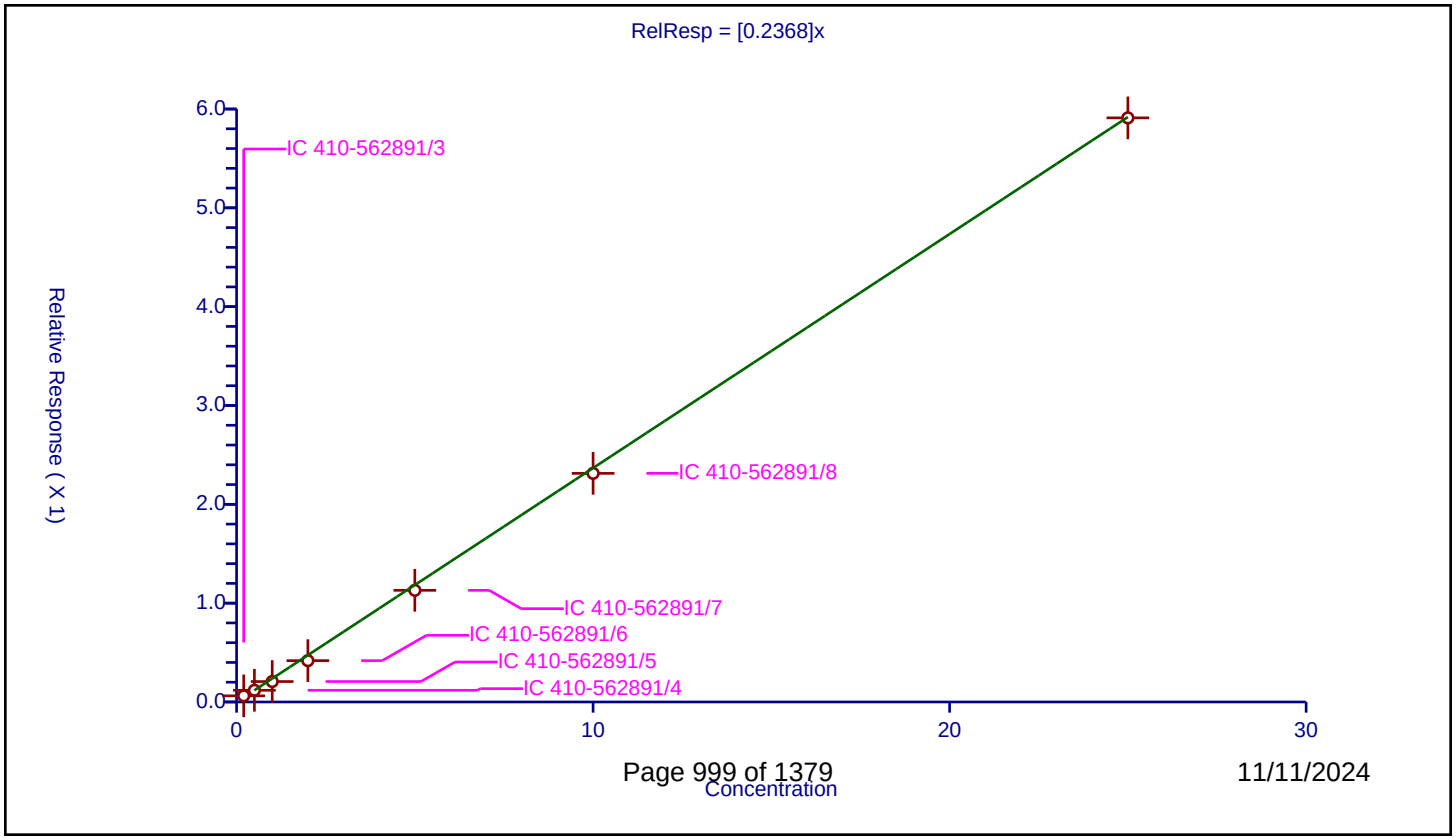
Curve Coefficients

Intercept:	0
Slope:	0.2368

Error Coefficients

Relative Standard Deviation:	14.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/3	0.2	0.062208	10.0	2066465.0	0.311038	Y
2	IC 410-562891/4	0.5	0.118236	10.0	2042267.0	0.236473	Y
3	IC 410-562891/5	1.0	0.20685	10.0	2054047.0	0.20685	Y
4	IC 410-562891/6	2.0	0.418253	10.0	2079218.0	0.209127	Y
5	IC 410-562891/7	5.0	1.130026	10.0	2078200.0	0.226005	Y
6	IC 410-562891/8	10.0	2.313419	10.0	2085022.0	0.231342	Y
7	IC 410-562891/9	25.0	5.910469	10.0	2086550.0	0.236419	Y



11/11/2024

Calibration / Ethyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

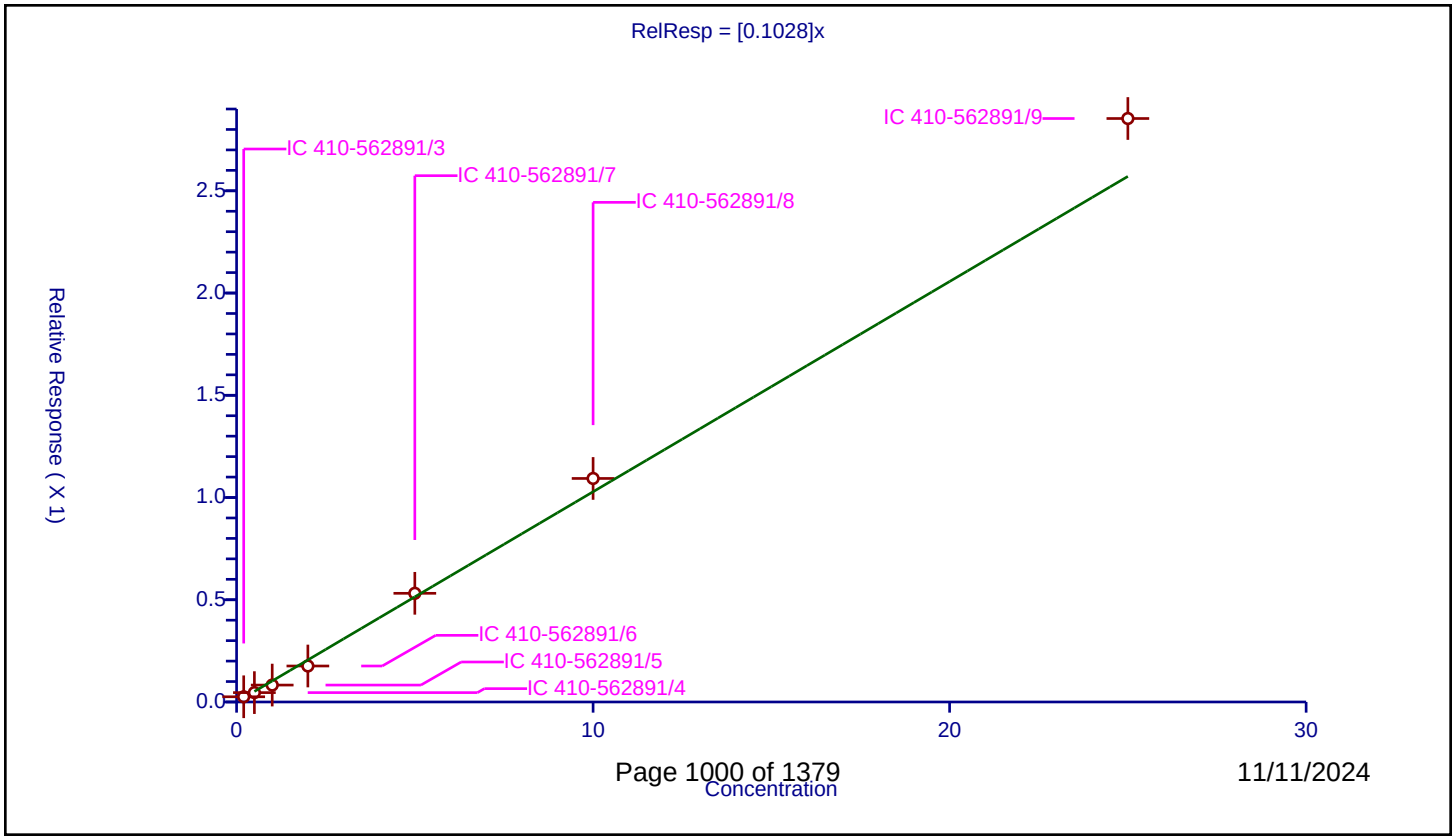
Curve Coefficients

Intercept:	0
Slope:	0.1028

Error Coefficients

Relative Standard Deviation:	15.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/3	0.2	0.025512	10.0	2066465.0	0.127561	Y
2	IC 410-562891/4	0.5	0.045792	10.0	2042267.0	0.091584	Y
3	IC 410-562891/5	1.0	0.082783	10.0	2054047.0	0.082783	Y
4	IC 410-562891/6	2.0	0.176052	10.0	2079218.0	0.088026	Y
5	IC 410-562891/7	5.0	0.531551	10.0	2078200.0	0.10631	Y
6	IC 410-562891/8	10.0	1.093154	10.0	2085022.0	0.109315	Y
7	IC 410-562891/9	25.0	2.853591	10.0	2086550.0	0.114144	Y



11/11/2024

Calibration / 2-Chloroethyl vinyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

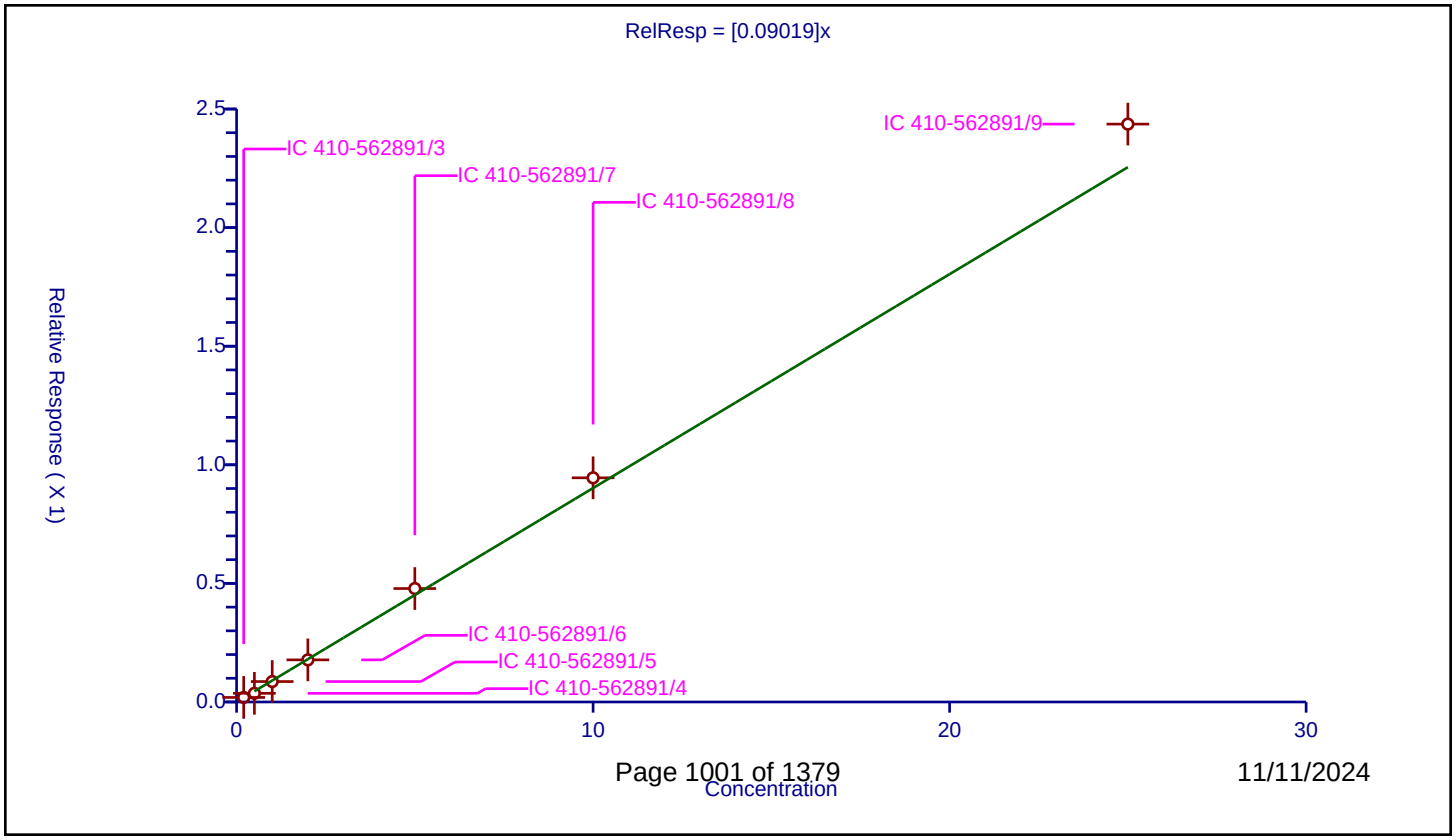
Curve Coefficients

Intercept:	0
Slope:	0.09019

Error Coefficients

Relative Standard Deviation:	9.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/3	0.2	0.019144	10.0	2066465.0	0.095719	Y
2	IC 410-562891/4	0.5	0.036489	10.0	2042267.0	0.072978	Y
3	IC 410-562891/5	1.0	0.086205	10.0	2054047.0	0.086205	Y
4	IC 410-562891/6	2.0	0.177591	10.0	2079218.0	0.088795	Y
5	IC 410-562891/7	5.0	0.478279	10.0	2078200.0	0.095656	Y
6	IC 410-562891/8	10.0	0.945069	10.0	2085022.0	0.094507	Y
7	IC 410-562891/9	25.0	2.436352	10.0	2086550.0	0.097454	Y



Calibration / cis-1,4-Dichloro-2-butene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

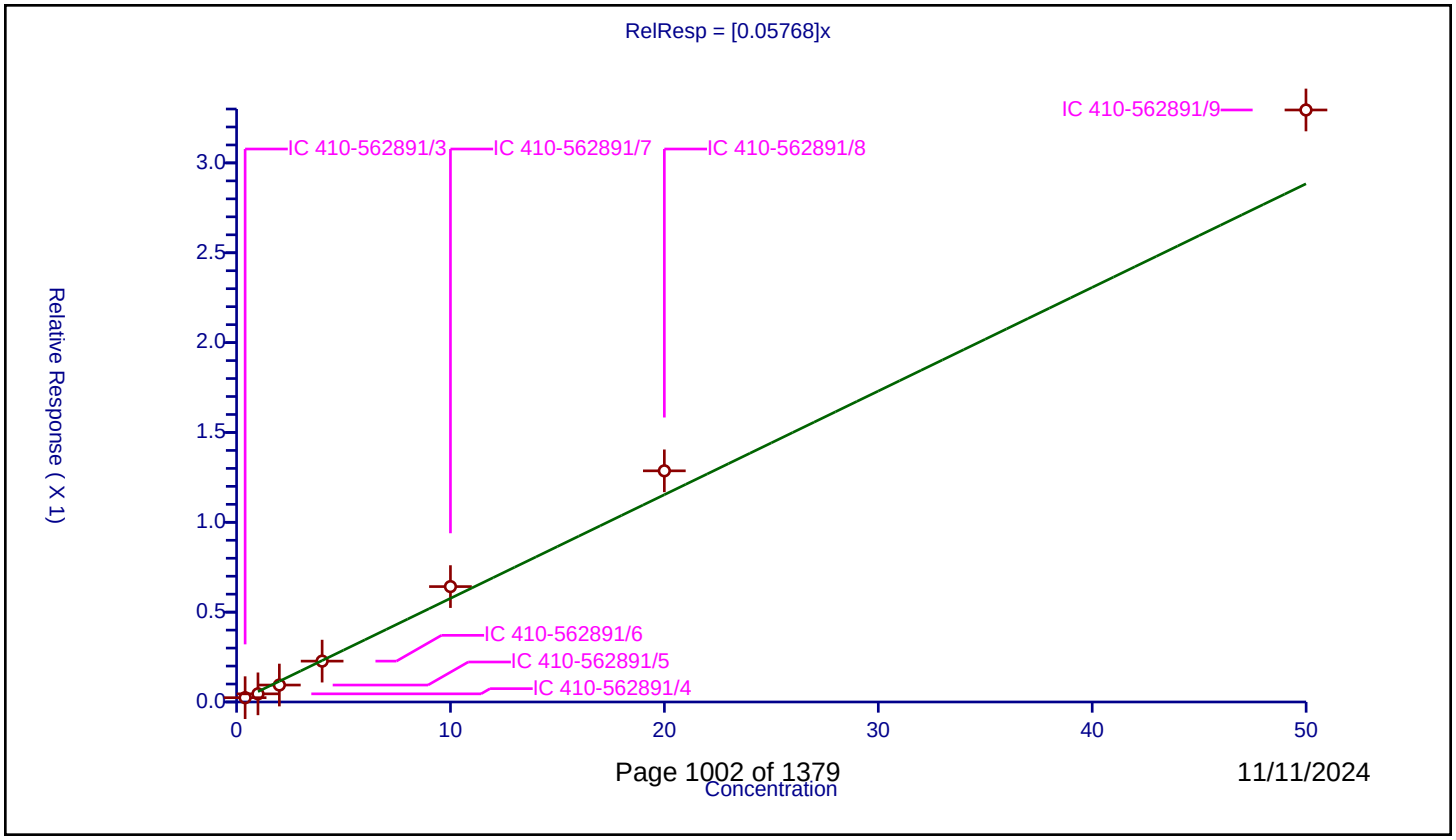
Curve Coefficients

Intercept:	0
Slope:	0.05768

Error Coefficients

Relative Standard Deviation:	14.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/3	0.399946	0.023947	10.0	1487863.0	0.059876	Y
2	IC 410-562891/4	0.999864	0.045403	10.0	1469946.0	0.045409	Y
3	IC 410-562891/5	1.999729	0.094314	10.0	1484195.0	0.047163	Y
4	IC 410-562891/6	3.999457	0.227425	10.0	1487699.0	0.056864	Y
5	IC 410-562891/7	9.998644	0.642217	10.0	1493515.0	0.06423	Y
6	IC 410-562891/8	19.997287	1.286419	10.0	1494808.0	0.06433	Y
7	IC 410-562891/9	49.993218	3.294589	10.0	1514301.0	0.065901	Y



11/11/2024

Calibration / Cyclohexanone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

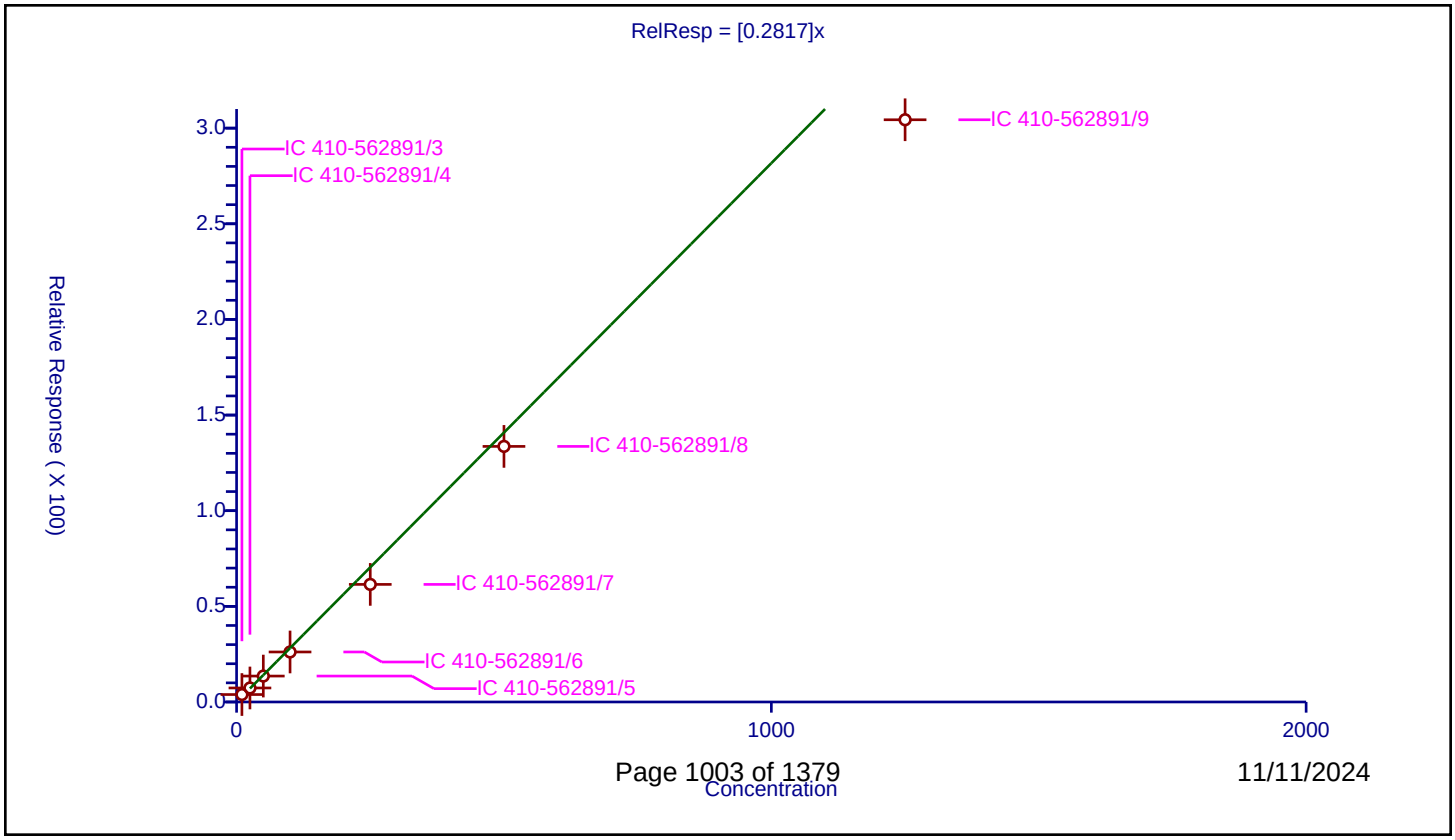
Curve Coefficients

Intercept:	0
Slope:	0.2817

Error Coefficients

Relative Standard Deviation:	17.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/3	10.000637	3.897947	50.0	97577.0	0.38977	Y
2	IC 410-562891/4	25.001592	7.32337	50.0	85985.0	0.292916	Y
3	IC 410-562891/5	50.003184	13.558059	50.0	79816.0	0.271144	Y
4	IC 410-562891/6	100.006368	26.141112	50.0	75146.0	0.261394	Y
5	IC 410-562891/7	250.01592	61.474979	50.0	87547.0	0.245884	Y
6	IC 410-562891/8	500.03184	133.622264	50.0	81565.0	0.267228	Y
7	IC 410-562891/9	1250.0796	304.376706	50.0	72189.0	0.243486	Y



FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1 Analy Batch No.: 562891

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/14/2024 21:54 Calibration End Date: 10/15/2024 00:00 Calibration ID: 66594

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-562891/13	HC14X12.D
Level 2	IC 410-562891/14	HC14X13.D
Level 3	IC 410-562891/15	HC14X14.D
Level 4	IC 410-562891/16	HC14X15.D
Level 5	IC 410-562891/17	HC14X16.D
Level 6	ICIS 410-562891/18	HC14X17.D
Level 7	IC 410-562891/19	HC14X18.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.2363 0.2221	0.2080 0.2301	0.2421	0.1678	0.2245	Ave		0.2187			0.1000	11.4		20.0			
Chloromethane	0.4028 0.3188	0.3151 0.3169	0.3296	0.2747	0.3261	Ave		0.3263			0.1000	11.7		20.0			
1,3-Butadiene	0.3011 0.3022	0.3186 0.3040	0.3129	0.2675	0.3052	Ave		0.3016				5.4		20.0			
Vinyl chloride	0.3283 0.2744	0.2688 0.2885	0.2927	0.2353	0.2774	Ave		0.2808			0.1000	10.0		20.0			
Bromomethane	0.2224 0.2036	0.1840 0.2100	0.2113	0.1744	0.2081	Ave		0.2020			0.1000	8.3		20.0			
Chloroethane	0.2148 0.1795	0.1658 0.1834	0.1846	0.1554	0.1811	Ave		0.1807			0.1000	10.2		20.0			
Dichlorofluoromethane	0.5305 0.4578	0.4392 0.4733	0.4731	0.3998	0.4651	Ave		0.4627			0.1000	8.5		20.0			
Trichlorofluoromethane	0.3257 0.3168	0.2933 0.3296	0.3288	0.2472	0.3203	Ave		0.3088			0.1000	9.7		20.0			
Ethyl ether	0.1760 0.1487	0.1481 0.1582	0.1366	0.1367	0.1568	Ave		0.1516				9.1		20.0			
Freon 123a	0.3053 0.2544	0.2488 0.2636	0.2728	0.2176	0.2589	Ave		0.2602				10.2		20.0			
Acrolein	2.1335 2.3812	2.4189 2.6678	1.9897	2.4427	2.7272	Ave		2.3944				11.1		20.0			
1,1-Dichloroethene	0.1891 0.1651	0.1943 0.1931	0.1585	0.1414	0.1768	Ave		0.1740			0.1000	11.5		20.0			
Freon 113	0.1431 0.1600	0.1743 0.1964	0.1557	0.1241	0.1758	Ave		0.1613			0.1000	14.7		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1 Analy Batch No.: 562891

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/14/2024 21:54 Calibration End Date: 10/15/2024 00:00 Calibration ID: 66594

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Acetone	+++++ 2.5674	2.7181 2.7276	2.9675	2.8462	2.8731	Ave		2.7833			0.1000	5.1		20.0			
Methyl iodide	0.3499 0.3580	0.3907 0.3999	0.3078	0.3126	0.3732	Ave		0.3560				10.0		20.0			
Ethyl bromide	0.2003 0.1562	0.1676 0.1833	0.1536	0.1489	0.1730	Ave		0.1690				10.8		20.0			
Carbon disulfide	0.5969 0.5281	0.6051 0.6310	0.4807	0.4525	0.5733	Ave		0.5525			0.1000	12.2		20.0			
Methyl acetate	+++++ 8.1938	+++++ 8.7013	5.1647	7.8531	8.2329	Ave		7.6292			0.1000	18.5		20.0			
Allyl chloride	0.3881 0.3537	0.4156 0.4010	0.3047	0.3161	0.3762	Ave		0.3651				11.5		20.0			
Methylene Chloride	0.2253 0.2064	0.2205 0.2243	0.1775	0.1917	0.2137	Ave		0.2085			0.1000	8.6		20.0			
t-Butyl alcohol	0.8785 0.8918	0.9587 0.8612	0.6445	0.8610	0.9241	Ave		0.8600				11.8		20.0			
Acrylonitrile	+++++ 3.5360	+++++ 4.5157	2.8173	3.2504	4.1249	Ave		3.6489				18.6		20.0			
Methyl tertiary butyl ether	0.4979 0.4861	0.5121 0.4998	0.4213	0.4696	0.5048	Ave		0.4845			0.1000	6.4		20.0			
trans-1,2-Dichloroethene	0.2192 0.1995	0.2172 0.2286	0.1790	0.1710	0.2076	Ave		0.2032			0.1000	10.6		20.0			
n-Hexane	0.2977 0.2545	0.2873 0.3117	0.2450	0.2070	0.2863	Ave		0.2699				13.4		20.0			
1,1-Dichloroethane	0.4088 0.3979	0.4223 0.4474	0.3496	0.3478	0.4201	Ave		0.3991			0.2000	9.4		20.0			
di-Isopropyl ether	0.7518 0.7273	0.7502 0.7836	0.6126	0.6738	0.7641	Ave		0.7233				8.3		20.0			
2-Chloro-1,3-butadiene	0.3447 0.3264	0.3577 0.3854	0.2843	0.2738	0.3512	Ave		0.3319				12.1		20.0			
Ethyl t-butyl ether	0.6872 0.6616	0.6764 0.6980	0.5703	0.6220	0.6942	Ave		0.6585				7.1		20.0			
2-Butanone	5.0897 4.7532	4.8971 5.2479	3.8209	4.7299	5.3001	Ave		4.8341			0.1000	10.3		20.0			
cis-1,2-Dichloroethene	0.2533 0.2373	0.2563 0.2605	0.2006	0.2015	0.2505	Ave		0.2372			0.1000	10.8		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1 Analy Batch No.: 562891

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/14/2024 21:54 Calibration End Date: 10/15/2024 00:00 Calibration ID: 66594

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
2,2-Dichloropropane	0.3750 0.3190	0.3604 0.3635	0.2889	0.2725	0.3406	Ave		0.3314				11.9		20.0			
Propionitrile	1.0434 1.3629	1.2200 1.5514	1.0450	1.3860	1.5674	Ave		1.3109				16.6		20.0			
Methacrylonitrile	5.4514 5.0752	4.8820 5.8474	4.3998	5.4463	5.7920	Ave		5.2706				9.8		20.0			
Bromochloromethane	0.0969 0.1001	0.0991 0.1043	0.0814	0.0916	0.1009	Ave		0.0963				7.9		20.0			
Tetrahydrofuran	1.1325 1.3459	1.3768 1.5109	1.2357	1.3823	1.5179	Ave		1.3574				10.2		20.0			
Chloroform	0.4006 0.3749	0.4042 0.4114	0.3153	0.3316	0.3887	Ave		0.3752			0.2000	10.0		20.0			
1,1,1-Trichloroethane	0.3479 0.3083	0.3582 0.3560	0.2755	0.2636	0.3258	Ave		0.3193			0.1000	12.0		20.0			
Cyclohexane	0.3670 0.3339	0.3745 0.4017	0.3269	0.2694	0.3624	Ave		0.3480			0.1000	12.3		20.0			
Carbon tetrachloride	0.2594 0.2687	0.2823 0.3173	0.2304	0.2177	0.2878	Ave		0.2662			0.1000	12.9		20.0			
1,1-Dichloropropene	0.3269 0.2950	0.3190 0.3455	0.2573	0.2403	0.3125	Ave		0.2995				12.7		20.0			
Isobutyl alcohol	0.4150 0.3075	0.2788 0.3195	0.2712	0.2981	0.3301	Ave		0.3172				15.1		20.0			
Benzene	0.9979 0.9113	0.9890 1.0257	0.7786	0.7944	0.9514	Ave		0.9212			0.5000	10.7		20.0			
1,2-Dichloroethane	0.2282 0.2148	0.2219 0.2329	0.1799	0.2048	0.2319	Ave		0.2163			0.1000	8.7		20.0			
t-Amyl methyl ether	0.5780 0.5539	0.5591 0.5811	0.4618	0.5235	0.5671	Ave		0.5463				7.7		20.0			
n-Heptane	0.3055 0.2519	0.2692 0.3047	0.2346	0.2121	0.2806	Ave		0.2655				13.2		20.0			
n-Butanol	+++++ 0.2465	0.1871 0.2517	0.1764	0.2165	0.2411	Ave		0.2199				14.6		20.0			
Trichloroethene	0.2651 0.2257	0.2485 0.2563	0.1891	0.1910	0.2363	Ave		0.2303			0.2000	13.2		20.0			
Methylcyclohexane	0.3244 0.3261	0.3445 0.4021	0.3055	0.2680	0.3538	Ave		0.3321			0.1000	12.6		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1 Analy Batch No.: 562891

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/14/2024 21:54 Calibration End Date: 10/15/2024 00:00 Calibration ID: 66594

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2-Dichloropropane	0.2289 0.2393	0.2494 0.2578	0.1995	0.2132	0.2446	Ave		0.2332			0.1000	8.9		20.0			
Methyl methacrylate	9.5329 9.2322	9.9409 11.709	8.4265	9.8145	10.991	Ave		9.9496				11.0		20.0			
1,4-Dioxane	+++++ 0.0493	0.0330 0.0424	0.0295	0.0422	0.0385	Ave		0.0392			0.0050	18.2		20.0			
Dibromomethane	0.0985 0.1022	0.0939 0.1061	0.0813	0.0982	0.1032	Ave		0.0976				8.4		20.0			
Bromodichloromethane	0.2644 0.2693	0.2592 0.2930	0.2157	0.2423	0.2728	Ave		0.2595			0.2000	9.5		20.0			
2-Nitropropane	4.1453 2.8683	3.3508 3.3914	2.5874	3.0361	3.3113	Ave		3.2415				15.2		20.0			
1-Bromo-2-chloroethane	0.2212 0.2211	0.2009 0.2365	0.1923	0.1972	0.2300	Ave		0.2142				8.1		20.0			
cis-1,3-Dichloropropene	0.3166 0.3481	0.3149 0.3747	0.2816	0.3109	0.3501	Ave		0.3281			0.2000	9.5		20.0			
4-Methyl-2-pentanone	13.490 12.560	13.629 14.535	10.985	13.409	14.521	Ave		13.304			0.1000	9.2		20.0			
Toluene	0.8316 0.7860	0.8379 0.8838	0.6662	0.6791	0.8283	Ave		0.7876			0.4000	10.6		20.0			
trans-1,3-Dichloropropene	0.3410 0.3857	0.3465 0.4125	0.3100	0.3427	0.3963	Ave		0.3621			0.1000	10.1		20.0			
Ethyl methacrylate	0.2930 0.3105	0.2640 0.3202	0.2453	0.2817	0.3190	Ave		0.2905				9.9		20.0			
1,1,2-Trichloroethane	0.2229 0.2009	0.2045 0.2067	0.1688	0.1840	0.2082	Ave		0.1994			0.1000	8.9		20.0			
Tetrachloroethene	0.3843 0.3496	0.3718 0.4086	0.3025	0.2997	0.3719	Ave		0.3555			0.2000	11.6		20.0			
1,3-Dichloropropane	0.3295 0.3615	0.3604 0.3809	0.2998	0.3388	0.3775	Ave		0.3498				8.3		20.0			
2-Hexanone	7.4204 8.5289	8.2561 9.8862	7.0759	8.8075	9.6741	Ave		8.5213			0.1000	12.4		20.0			
Dibromochloromethane	0.2128 0.2603	0.2242 0.2764	0.1948	0.2309	0.2603	Ave		0.2371				12.4		20.0			
1,2-Dibromoethane	0.1698 0.1915	0.1836 0.1990	0.1570	0.1750	0.1971	Ave		0.1819			0.1000	8.5		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1 Analy Batch No.: 562891

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/14/2024 21:54 Calibration End Date: 10/15/2024 00:00 Calibration ID: 66594

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1-Chlorohexane	0.5577 0.4136	0.5030 0.4855	0.3780	0.3533	0.4390	Ave		0.4471				16.2		20.0			
Chlorobenzene	0.8762 0.8575	0.8658 0.9539	0.7179	0.7711	0.8994	Ave		0.8488			0.5000	9.4		20.0			
1,1,1,2-Tetrachloroethane	0.2918 0.3046	0.2906 0.3347	0.2495	0.2748	0.3155	Ave		0.2945				9.4		20.0			
Ethylbenzene	1.5855 1.5330	1.5954 1.7507	1.2996	1.3292	1.6157	Ave		1.5299			0.1000	10.6		20.0			
m&p-Xylene	0.6169 0.5908	0.6282 0.6776	0.4919	0.5151	0.6244	Ave		0.5921			0.1000	11.2		20.0			
o-Xylene	0.5796 0.5798	0.5994 0.6468	0.4889	0.5207	0.6156	Ave		0.5758			0.3000	9.5		20.0			
Styrene	0.9514 0.9511	0.9618 1.0575	0.7750	0.8477	0.9982	Ave		0.9347			0.3000	10.1		20.0			
Bromoform	0.0934 0.1501	0.1266 0.1622	0.1068	0.1301	0.1528	Ave		0.1317			0.1000	19.2		20.0			
Isopropylbenzene	1.3965 1.3503	1.4495 1.5559	1.1405	1.1769	1.4388	Ave		1.3584			0.1000	11.1		20.0			
1,1,2,2-Tetrachloroethane	0.4406 0.4582	0.4519 0.4519	0.3686	0.4319	0.4616	Ave		0.4378			0.3000	7.4		20.0			
Bromobenzene	0.6731 0.6375	0.6653 0.6832	0.5352	0.5925	0.6483	Ave		0.6336				8.3		20.0			
trans-1,4-Dichloro-2-butene	3.8491 4.5200	4.3178 5.4454	3.6303	4.5164	5.0499	Ave		4.4756				14.1		20.0			
1,2,3-Trichloropropane	0.0784 0.1149	0.1110 0.1156	0.0971	0.1098	0.1177	Ave		0.1064				13.2		20.0			
N-Propylbenzene	3.3649 3.2311	3.3007 3.6548	2.6602	2.7953	3.3474	Ave		3.1935				10.9		20.0			
2-Chlorotoluene	0.6203 0.6435	0.6487 0.7176	0.5322	0.5645	0.6584	Ave		0.6265				9.9		20.0			
1,3,5-Trimethylbenzene	2.2440 2.3114	2.3311 2.5894	1.8703	2.0297	2.3614	Ave		2.2482				10.4		20.0			
4-Chlorotoluene	0.6392 0.6584	0.6539 0.7292	0.5513	0.5811	0.6812	Ave		0.6420				9.3		20.0			
tert-Butylbenzene	0.4956 0.5301	0.5310 0.5987	0.4525	0.4372	0.5374	Ave		0.5118				10.8		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1 Analy Batch No.: 562891

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/14/2024 21:54 Calibration End Date: 10/15/2024 00:00 Calibration ID: 66594

ANALYTE	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								
Pentachloroethane	0.3900 0.4284	0.3790 0.4845	0.3565	0.3709	0.4340	Ave		0.4062				11.1		20.0			
1,2,4-Trimethylbenzene	2.2894 2.3575	2.3388 2.6369	1.9297	2.0710	2.4233	Ave		2.2924				10.1		20.0			
sec-Butylbenzene	3.0593 2.8936	2.9547 3.3218	2.3602	2.5109	2.9862	Ave		2.8695				11.5		20.0			
1,3-Dichlorobenzene	1.2750 1.2719	1.2715 1.4020	1.0178	1.1678	1.3075	Ave		1.2448			0.6000	9.8		20.0			
p-Isopropyltoluene	2.5137 2.5791	2.5842 2.9691	2.1104	2.2442	2.6336	Ave		2.5192				11.1		20.0			
1,4-Dichlorobenzene	1.3468 1.2787	1.3472 1.4032	1.0473	1.1647	1.3056	Ave		1.2705			0.5000	9.7		20.0			
1,2,3-Trimethylbenzene	1.0504 1.0454	1.0913 1.1510	0.8681	0.9686	1.0697	Ave		1.0349				8.9		20.0			
Benzyl chloride	0.1319 0.1946	0.1699 0.2009	0.1579	0.1855	0.1969	Ave		0.1768				14.2		20.0			
n-Butylbenzene	1.1238 1.2058	1.1530 1.4002	0.9536	1.0548	1.2490	Ave		1.1629				12.3		20.0			
1,2-Dichlorobenzene	1.0714 1.1642	1.0925 1.2483	0.9505	1.0564	1.1952	Ave		1.1112			0.4000	9.0		20.0			
1,2-Dibromo-3-Chloropropane	0.0407 0.0686	0.0532 0.0680	0.0476	0.0612	0.0665	Ave		0.0580			0.0500	19.0		20.0			
1,3,5-Trichlorobenzene	0.8709 0.9743	0.9365 1.0839	0.7314	0.8801	0.9904	Ave		0.9239				12.1		20.0			
1,2,4-Trichlorobenzene	0.7966 0.8373	0.7732 0.9198	0.6205	0.7581	0.8484	Ave		0.7934			0.2000	11.8		20.0			
Hexachlorobutadiene	0.3352 0.3203	0.3304 0.3869	0.2541	0.2890	0.3274	Ave		0.3205				12.8		20.0			
Naphthalene	1.1955 1.4924	1.3513 1.4832	1.1695	1.3810	1.5128	Ave		1.3694				10.3		20.0			
1,2,3-Trichlorobenzene	0.6667 0.7275	0.6835 0.7756	0.5581	0.6698	0.7309	Ave		0.6874				10.1		20.0			
Dibromofluoromethane (Surr)	0.2321 0.2342	0.2337 0.2313	0.2313	0.2332	0.2372	Ave		0.2333				0.9		20.0			
1,2-Dichloroethane-d4 (Surr)	0.0466 0.0486	0.0464 0.0464	0.0479	0.0473	0.0489	Ave		0.0474				2.2		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1 Analy Batch No.: 562891

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/14/2024 21:54 Calibration End Date: 10/15/2024 00:00 Calibration ID: 66594

ANALYTE	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								
Toluene-d8 (Surr)	1.3690 1.3631	1.3742 1.3765	1.3664	1.3674	1.3787	Ave		1.3707				0.4		20.0			
4-Bromofluorobenzene (Surr)	0.4875 0.4872	0.4874 0.4913	0.4936	0.4925	0.5010	Ave		0.4915				1.0		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1 Analy Batch No.: 562891

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/14/2024 21:54 Calibration End Date: 10/15/2024 00:00 Calibration ID: 66594

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-562891/13	HC14X12.D
Level 2	IC 410-562891/14	HC14X13.D
Level 3	IC 410-562891/15	HC14X14.D
Level 4	IC 410-562891/16	HC14X15.D
Level 5	IC 410-562891/17	HC14X16.D
Level 6	ICIS 410-562891/18	HC14X17.D
Level 7	IC 410-562891/19	HC14X18.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	9844 467954	21567 1238585	49965	69584	233118	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Chloromethane	FB	Ave	16777 671586	32673 1705552	68036	113888	338663	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,3-Butadiene	FB	Ave	12542 636695	33027 1636446	64577	110884	316980	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Vinyl chloride	FB	Ave	13677 578042	27866 1552850	60425	97546	288117	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Bromomethane	FB	Ave	9266 428901	19078 1130540	43609	72310	216158	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Chloroethane	FB	Ave	8949 378233	17188 987165	38112	64406	188120	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Dichlorofluoromethane	FB	Ave	22096 964421	45538 2547586	97645	165735	482982	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Trichlorofluoromethane	FB	Ave	13565 667369	30404 1773971	67859	102491	332622	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl ether	FB	Ave	7330 313241	15357 851294	28188	56659	162851	0.200 10.00	0.500 25.0	1.000	2.00	5.00
Freon 123a	FB	Ave	12716 535868	25791 1418629	56305	90196	268912	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Acrolein	TBAd10	Ave	38363 2597097	112963 6316377	199925	455588	1303716	10.0 501	25.1 1253	50.1	100	251
1,1-Dichloroethene	FB	Ave	7876 347776	20143 1039302	32718	58628	183655	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Freon 113	FB	Ave	5961 337031	18072 1056825	32133	51463	182552	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Acetone	TBAd10	Ave	+++++ 558854	25333 1288841	59508	105944	274108	+++++ 100	5.00 250	10.0	20.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1 Analy Batch No.: 562891

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/14/2024 21:54 Calibration End Date: 10/15/2024 00:00 Calibration ID: 66594

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Methyl iodide	FB	Ave	14577 754125	40505 2152117	63529	129617	387532	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl bromide	FB	Ave	8356 329604	17408 988133	31751	61829	180009	0.200 10.0	0.501 25.0	1.00	2.00	5.01
Carbon disulfide	FB	Ave	24865 1112494	62731 3396338	99227	187580	595387	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Methyl acetate	TBAd10	Ave	+++++ 178355	+++++ 411148	10357	29231	78545	+++++ 10.0	+++++ 25.0	1.00	2.00	5.00
Allyl chloride	FB	Ave	16167 745147	43088 2158514	62901	131066	390670	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Methylene Chloride	FB	Ave	9385 434823	22861 1207287	36646	79469	221930	0.200 10.0	0.500 25.0	1.00	2.00	5.00
t-Butyl alcohol	TBAd10	Ave	6305 388248	17871 813824	25850	64100	176330	4.00 200	10.0 500	20.0	40.0	100
Acrylonitrile	TBAd10	Ave	+++++ 192423	+++++ 533438	14124	30247	98383	+++++ 25.0	+++++ 62.5	2.50	5.00	12.5
Methyl tertiary butyl ether	FB	Ave	20742 1023911	53096 2690302	86964	194704	524249	0.200 10.0	0.500 25.0	1.00	2.00	5.00
trans-1,2-Dichloroethene	FB	Ave	9132 420233	22522 1230622	36943	70878	215558	0.200 10.0	0.500 25.0	1.00	2.00	5.00
n-Hexane	FB	Ave	12400 536134	29782 1677582	50580	85832	297344	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1-Dichloroethane	FB	Ave	17030 838118	43786 2407999	72166	144195	436243	0.200 10.0	0.500 25.0	1.00	2.00	5.00
di-Isopropyl ether	FB	Ave	31317 1532222	77775 4217491	126443	279353	793496	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Chloro-1,3-butadiene	FB	Ave	14359 687617	37083 2074567	58676	113501	364749	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl t-butyl ether	FB	Ave	28624 1393799	70129 3756951	117721	257852	720935	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Butanone	TBAd10	Ave	18265 1034632	45641 2479715	76622	176058	505653	2.00 100	5.00 250	10.0	20.0	50.0
cis-1,2-Dichloroethene	FB	Ave	10552 499978	26574 1402199	41408	83537	260188	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2,2-Dichloropropane	FB	Ave	15621 672092	37366 1956303	59622	112956	353714	0.200 10.0	0.500 25.0	1.00	2.00	5.00

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1 Analy Batch No.: 562891

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/14/2024 21:54 Calibration End Date: 10/15/2024 00:00 Calibration ID: 66594

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Propionitrile	TBAd10	Ave	7489 593340	22741 1466109	41913	103182	299079	4.00 200	10.0 500	20.0	40.0	100
Methacrylonitrile	TBAd10	Ave	19563 1104722	45501 2762990	88231	202725	552582	2.00 100	5.00 250	10.0	20.0	50.0
Bromochloromethane	FB	Ave	4036 210770	10278 561466	16806	37992	104813	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Tetrahydrofuran	TBAd10	Ave	2032 146482	6416 356954	12390	25726	72408	1.00 50.0	2.50 125	5.00	10.0	25.0
Chloroform	FB	Ave	16686 789704	41903 2214256	65085	137486	403722	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1,1-Trichloroethane	FB	Ave	14491 649463	37140 1916247	56864	109281	338392	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Cyclohexane	FB	Ave	15288 703493	38827 2161892	67470	111679	376344	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Carbon tetrachloride	FB	Ave	10804 566056	29265 1708016	47554	90258	298912	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1-Dichloropropene	FB	Ave	13615 621382	33074 1859535	53100	99608	324527	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Isobutyl alcohol	TBAd10	Ave	7446 334719	12992 754898	27194	55477	157476	10.0 500	25.0 1250	50.0	100	250
Benzene	FB	Ave	41566 1919754	102534 5520477	160700	329347	988091	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2-Dichloroethane	FB	Ave	9506 452561	23003 1253315	37135	84920	240795	0.200 10.0	0.500 25.0	1.00	2.00	5.00
t-Amyl methyl ether	FB	Ave	24075 1166737	57966 3127690	95328	217027	588927	0.200 10.0	0.500 25.0	1.00	2.00	5.00
n-Heptane	FB	Ave	12726 530748	27913 1640251	48417	87937	291385	0.200 10.0	0.500 25.0	1.00	2.00	5.00
n-Butanol	TBAd10	Ave	+++++ 469560	15258 1040677	30960	70523	201232	+++++ 875	43.8 2188	87.5	175	438
Trichloroethene	FB	Ave	11042 475408	25768 1379273	39022	79177	245399	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Methylcyclohexane	FB	Ave	13512 686914	35716 2164475	63056	111102	367437	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2-Dichloropropane	FB	Ave	9534 504100	25855 1387692	41176	88407	254056	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.: 410-193020-1 Analy Batch No.: 562891

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/14/2024 21:54 Calibration End Date: 10/15/2024 00:00 Calibration ID: 66594

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Methyl methacrylate	TBAd10	Ave	3421 200957	9265 553281	16898	36532	104861	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,4-Dioxane	TBAd10	Ave	+++++ 53638	1538 100171	2961	7863	18369	+++++ 500	25.0 1250	50.0	100	250
Dibromomethane	FB	Ave	4102 215206	9738 571213	16773	40703	107222	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Bromodichloromethane	FB	Ave	11014 567207	26870 1576851	44532	100465	283316	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Nitropropane	TBAd10	Ave	7438 312176	15615 801242	25943	56505	157958	1.00 50.0	2.50 125	5.00	10.0	25.0
1-Bromo-2-chloroethane	FB	Ave	9216 465683	20825 1272855	39687	81742	238850	0.200 10.0	0.500 25.0	1.00	2.00	5.00
cis-1,3-Dichloropropene	FB	Ave	13186 733249	32649 2016647	58115	128875	363607	0.200 10.0	0.500 25.0	1.00	2.00	5.00
4-Methyl-2-pentanone	TBAd10	Ave	48412 2733987	127024 6868110	220295	499117	1385351	2.00 100	5.00 250	10.0	20.0	50.0
Toluene	CBZd5	Ave	24831 1195226	61898 3409369	98875	202159	615515	0.200 10.0	0.500 25.0	1.00	2.00	5.00
trans-1,3-Dichloropropene	CBZd5	Ave	10182 586534	25599 1591072	46012	102022	294457	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl methacrylate	CBZd5	Ave	8749 472191	19501 1235192	36411	83844	237081	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1,2-Trichloroethane	CBZd5	Ave	6655 305541	15107 797441	25051	54766	154743	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Tetrachloroethene	CBZd5	Ave	11475 531546	27463 1576140	44901	89198	276372	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,3-Dichloropropane	CBZd5	Ave	9840 549629	26623 1469461	44491	100846	280515	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Hexanone	TBAd10	Ave	26629 1856476	76948 4671399	141896	327837	922947	2.00 100	5.00 250	10.0	20.0	50.0
Dibromochloromethane	CBZd5	Ave	6354 395764	16559 1066114	28920	68734	193406	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2-Dibromoethane	CBZd5	Ave	5069 291187	13562 767665	23310	52098	146459	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1-Chlorohexane	CBZd5	Ave	16653 628854	37159 1872671	56103	105163	326192	0.200 10.0	0.500 25.0	1.00	2.00	5.00

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1 Analy Batch No.: 562891

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/14/2024 21:54 Calibration End Date: 10/15/2024 00:00 Calibration ID: 66594

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Chlorobenzene	CBZd5	Ave	26161 1303911	63954 3679485	106552	229543	668327	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1,1,2-Tetrachloroethane	CBZd5	Ave	8713 463096	21463 1291098	37034	81809	234418	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethylbenzene	CBZd5	Ave	47342 2331061	117851 6753201	192893	395651	1200608	0.200 10.0	0.500 25.0	1.00	2.00	5.00
m&p-Xylene	CBZd5	Ave	36841 1796596	92806 5227396	146018	306638	927931	0.400 20.0	1.00 50.0	2.00	4.00	10.0
o-Xylene	CBZd5	Ave	17305 881673	44278 2495057	72571	154997	457476	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Styrene	CBZd5	Ave	28408 1446299	71046 4079075	115032	252345	741733	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Bromoform	CBZd5	Ave	2789 228212	9354 625785	15852	38731	113530	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Isopropylbenzene	CBZd5	Ave	41699 2053242	107073 6001755	169283	350338	1069170	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1,2,2-Tetrachloroethane	DCBd4	Ave	7347 387911	18922 992034	30748	71353	195091	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Bromobenzene	DCBd4	Ave	11223 539734	27858 1499730	44648	97881	274012	0.200 10.0	0.500 25.0	1.00	2.00	5.00
trans-1,4-Dichloro-2-butene	TBAd10	Ave	13813 983872	40242 2573053	72799	168113	481779	2.00 100	5.00 250	10.0	20.0	50.0
1,2,3-Trichloropropane	DCBd4	Ave	1307 97313	4649 253788	8101	18135	49735	0.200 10.0	0.500 25.0	1.00	2.00	5.00
N-Propylbenzene	DCBd4	Ave	56107 2735595	138204 8022866	221937	461806	1414854	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Chlorotoluene	DCBd4	Ave	10343 544845	27162 1575287	44403	93262	278300	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,3,5-Trimethylbenzene	DCBd4	Ave	37416 1956957	97607 5684032	156038	335326	998109	0.200 10.0	0.500 25.0	1.00	2.00	5.00
4-Chlorotoluene	DCBd4	Ave	10658 557441	27381 1600788	45991	96006	287911	0.200 10.0	0.500 25.0	1.00	2.00	5.00
tert-Butylbenzene	DCBd4	Ave	8263 448820	22234 1314199	37755	72235	227156	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Pentachloroethane	DCBd4	Ave	6503 362738	15869 1063535	29742	61281	183433	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2,4-Trimethylbenzene	DCBd4	Ave	38174 1995968	97928 5788353	160992	342141	1024249	0.200 10.0	0.500 25.0	1.00	2.00	5.00
sec-Butylbenzene	DCBd4	Ave	51011	123718	196906	414824	1262163	0.200	0.500	1.00	2.00	5.00

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1 Analy Batch No.: 562891

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/14/2024 21:54 Calibration End Date: 10/15/2024 00:00 Calibration ID: 66594

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
			2449888	7291823				10.0	25.0			
1,3-Dichlorobenzene	DCBd4	Ave	21260 1076868	53238 3077602	84910	192928	552624	0.200 10.0	0.500 25.0	1.00	2.00	5.00
p-Isopropyltoluene	DCBd4	Ave	41913 2183616	108203 6517695	176069	370759	1113152	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,4-Dichlorobenzene	DCBd4	Ave	22457 1082569	56410 3080229	87373	192425	551842	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2,3-Trimethylbenzene	DCBd4	Ave	17514 885074	45696 2526546	72420	160016	452141	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Benzyl chloride	DCBd4	Ave	2199 164795	7112 441034	13175	30653	83229	0.200 10.0	0.500 25.0	1.00	2.00	5.00
n-Butylbenzene	DCBd4	Ave	18738 1020906	48279 3073736	79560	174260	527930	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2-Dichlorobenzene	DCBd4	Ave	17864 985687	45745 2740282	79295	174522	505190	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2-Dibromo-3-Chloropropane	DCBd4	Ave	678 58093	2227 149245	3973	10109	28121	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,3,5-Trichlorobenzene	DCBd4	Ave	14521 824916	39214 2379362	61015	145393	418630	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2,4-Trichlorobenzene	DCBd4	Ave	13282 708917	32374 2019000	51769	125252	358585	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Hexachlorobutadiene	DCBd4	Ave	5589 271223	13833 849290	21202	47749	138378	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Naphthalene	DCBd4	Ave	19933 1263500	56581 3255883	97565	228147	639417	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2,3-Trichlorobenzene	DCBd4	Ave	11117 615896	28618 1702491	46562	110665	308911	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Dibromofluoromethane (Surr)	FB	Ave	483437 493346	484670 497919	477492	483416	492598	10.0 10.0	10.0 10.0	10.0	10.0	10.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	96982 102339	96249 99990	98967	97968	101574	10.0 10.0	10.0 10.0	10.0	10.0	10.0
Toluene-d8 (Surr)	CBZd5	Ave	2043817 2072657	2030189 2123824	2028126	2035148	2049029	10.0 10.0	10.0 10.0	10.0	10.0	10.0
4-Bromofluorobenzene (Surr)	CBZd5	Ave	727815 740859	720078 758031	732696	733016	744613	10.0 10.0	10.0 10.0	10.0	10.0	10.0

Curve Type Legend:
Ave = Average ISTD

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1 Analy Batch No.: 562891

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/14/2024 21:54 Calibration End Date: 10/15/2024 00:00 Calibration ID: 66594

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-562891/13	HC14X12.D
Level 2	IC 410-562891/14	HC14X13.D
Level 3	IC 410-562891/15	HC14X14.D
Level 4	IC 410-562891/16	HC14X15.D
Level 5	IC 410-562891/17	HC14X16.D
Level 6	ICIS 410-562891/18	HC14X17.D
Level 7	IC 410-562891/19	HC14X18.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Dichlorodifluoromethane	8.1 5.2	-4.9	10.7	-23.3	2.6	1.6	50 30	30	30	30	30	30
Chloromethane	23.4 -2.9	-3.4	1.0	-15.8	-0.1	-2.3	50 30	30	30	30	30	30
1,3-Butadiene	-0.2 0.8	5.6	3.7	-11.3	1.2	0.2	50 30	30	30	30	30	30
Vinyl chloride	16.9 2.8	-4.3	4.3	-16.2	-1.2	-2.3	50 30	30	30	30	30	30
Bromomethane	10.1 4.0	-8.9	4.6	-13.7	3.0	0.8	50 30	30	30	30	30	30
Chloroethane	18.9 1.5	-8.2	2.2	-14.0	0.3	-0.6	50 30	30	30	30	30	30
Dichlorofluoromethane	14.6 2.3	-5.1	2.2	-13.6	0.5	-1.1	50 30	30	30	30	30	30
Trichlorofluoromethane	5.5 6.7	-5.0	6.5	-19.9	3.7	2.6	50 30	30	30	30	30	30
Ethyl ether	16.1 4.4	-2.3	-9.9	-9.8	3.5	-1.9	50 30	30	30	30	30	30
Freon 123a	17.3 1.3	-4.4	4.8	-16.4	-0.5	-2.2	50 30	30	30	30	30	30
Acrolein	-10.9 11.4	1.0	-16.9	2.0	13.9	-0.6	50 30	30	30	30	30	30
1,1-Dichloroethene	8.6 10.9	11.6	-8.9	-18.7	1.6	-5.1	50 30	30	30	30	30	30
Freon 113	-11.3 21.7	8.0	-3.5	-23.1	9.0	-0.8	50 30	30	30	30	30	30
Acetone	+++++ -2.0	-2.3	6.6	2.3	3.2	-7.8	 30	50	30	30	30	30
Methyl iodide	-1.7 12.3	9.7	-13.5	-12.2	4.8	0.6	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1 Analy Batch No.: 562891

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/14/2024 21:54 Calibration End Date: 10/15/2024 00:00 Calibration ID: 66594

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Ethyl bromide	18.5 8.5	-0.8	-9.1	-11.9	2.4	-7.6	50 30	30	30	30	30	30
Carbon disulfide	8.0 14.2	9.5	-13.0	-18.1	3.8	-4.4	50 30	30	30	30	30	30
Methyl acetate	+++++ 14.1	+++++	-32.3	2.9	7.9	7.4	 30		50	30	30	30
Allyl chloride	6.3 9.9	13.8	-16.5	-13.4	3.0	-3.1	50 30	30	30	30	30	30
Methylene Chloride	8.1 7.6	5.8	-14.8	-8.1	2.5	-1.0	50 30	30	30	30	30	30
t-Butyl alcohol	2.1 0.1	11.5	-25.1	0.1	7.5	3.7	50 30	30	30	30	30	30
Acrylonitrile	+++++ 23.8	+++++	-22.8	-10.9	13.0	-3.1	 30		50	30	30	30
Methyl tertiary butyl ether	2.8 3.2	5.7	-13.0	-3.1	4.2	0.3	50 30	30	30	30	30	30
trans-1,2-Dichloroethene	7.9 12.5	6.9	-11.9	-15.8	2.2	-1.8	50 30	30	30	30	30	30
n-Hexane	10.3 15.5	6.4	-9.2	-23.3	6.1	-5.7	50 30	30	30	30	30	30
1,1-Dichloroethane	2.4 12.1	5.8	-12.4	-12.9	5.2	-0.3	50 30	30	30	30	30	30
di-Isopropyl ether	3.9 8.3	3.7	-15.3	-6.8	5.6	0.6	50 30	30	30	30	30	30
2-Chloro-1,3-butadiene	3.9 16.1	7.8	-14.4	-17.5	5.8	-1.7	50 30	30	30	30	30	30
Ethyl t-butyl ether	4.3 6.0	2.7	-13.4	-5.6	5.4	0.5	50 30	30	30	30	30	30
2-Butanone	5.3 8.6	1.3	-21.0	-2.2	9.6	-1.7	50 30	30	30	30	30	30
cis-1,2-Dichloroethene	6.8 9.8	8.1	-15.4	-15.0	5.6	0.1	50 30	30	30	30	30	30
2,2-Dichloropropane	13.2 9.7	8.8	-12.8	-17.8	2.8	-3.7	50 30	30	30	30	30	30
Propionitrile	-20.4 18.3	-6.9	-20.3	5.7	19.6	4.0	50 30	30	30	30	30	30
Methacrylonitrile	3.4 10.9	-7.4	-16.5	3.3	9.9	-3.7	50 30	30	30	30	30	30
Bromochloromethane	0.6 8.3	2.9	-15.5	-4.9	4.8	3.9	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1 Analy Batch No.: 562891

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/14/2024 21:54 Calibration End Date: 10/15/2024 00:00 Calibration ID: 66594

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Tetrahydrofuran	-16.6 11.3	1.4	-9.0	1.8	11.8	-0.8	50 30	30	30	30	30	30
Chloroform	6.8 9.6	7.7	-16.0	-11.6	3.6	-0.1	50 30	30	30	30	30	30
1,1,1-Trichloroethane	8.9 11.5	12.2	-13.7	-17.5	2.0	-3.5	50 30	30	30	30	30	30
Cyclohexane	5.5 15.4	7.6	-6.1	-22.6	4.1	-4.0	50 30	30	30	30	30	30
Carbon tetrachloride	-2.6 19.2	6.0	-13.5	-18.2	8.1	0.9	50 30	30	30	30	30	30
1,1-Dichloropropene	9.1 15.4	6.5	-14.1	-19.8	4.3	-1.5	50 30	30	30	30	30	30
Isobutyl alcohol	30.8 0.7	-12.1	-14.5	-6.0	4.1	-3.0	50 30	30	30	30	30	30
Benzene	8.3 11.3	7.4	-15.5	-13.8	3.3	-1.1	50 30	30	30	30	30	30
1,2-Dichloroethane	5.5 7.6	2.6	-16.8	-5.3	7.2	-0.7	50 30	30	30	30	30	30
t-Amyl methyl ether	5.8 6.4	2.3	-15.5	-4.2	3.8	1.4	50 30	30	30	30	30	30
n-Heptane	15.1 14.8	1.4	-11.7	-20.1	5.7	-5.1	50 30	30	30	30	30	30
n-Butanol	+++++ 14.5	-14.9	-19.8	-1.5	9.6	12.1	 30	50	30	30	30	30
Trichloroethene	15.1 11.3	7.9	-17.9	-17.1	2.6	-2.0	50 30	30	30	30	30	30
Methylcyclohexane	-2.3 21.1	3.7	-8.0	-19.3	6.6	-1.8	50 30	30	30	30	30	30
1,2-Dichloropropane	-1.9 10.5	6.9	-14.5	-8.6	4.9	2.6	50 30	30	30	30	30	30
Methyl methacrylate	-4.2 17.7	-0.1	-15.3	-1.4	10.5	-7.2	50 30	30	30	30	30	30
1,4-Dioxane	+++++ 8.3	-15.7	-24.6	7.9	-1.7	25.8	 30	50	30	30	30	30
Dibromomethane	0.9 8.7	-3.8	-16.8	0.6	5.8	4.6	50 30	30	30	30	30	30
Bromodichloromethane	1.9 12.9	-0.1	-16.9	-6.6	5.1	3.7	50 30	30	30	30	30	30
2-Nitropropane	27.9 4.6	3.4	-20.2	-6.3	2.2	-11.5	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1 Analy Batch No.: 562891

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/14/2024 21:54 Calibration End Date: 10/15/2024 00:00 Calibration ID: 66594

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
1-Bromo-2-chloroethane	3.3 10.4	-6.2	-10.2	-7.9	7.4	3.2	50 30	30	30	30	30	30
cis-1,3-Dichloropropene	-3.5 14.2	-4.0	-14.2	-5.3	6.7	6.1	50 30	30	30	30	30	30
4-Methyl-2-pentanone	1.4 9.3	2.4	-17.4	0.8	9.1	-5.6	50 30	30	30	30	30	30
Toluene	5.6 12.2	6.4	-15.4	-13.8	5.2	-0.2	50 30	30	30	30	30	30
trans-1,3-Dichloropropene	-5.8 13.9	-4.3	-14.4	-5.3	9.4	6.5	50 30	30	30	30	30	30
Ethyl methacrylate	0.9 10.2	-9.1	-15.6	-3.1	9.8	6.9	50 30	30	30	30	30	30
1,1,2-Trichloroethane	11.8 3.7	2.5	-15.4	-7.7	4.4	0.8	50 30	30	30	30	30	30
Tetrachloroethene	8.1 14.9	4.6	-14.9	-15.7	4.6	-1.7	50 30	30	30	30	30	30
1,3-Dichloropropane	-5.8 8.9	3.0	-14.3	-3.1	7.9	3.3	50 30	30	30	30	30	30
2-Hexanone	-12.9 16.0	-3.1	-17.0	3.4	13.5	0.1	50 30	30	30	30	30	30
Dibromochloromethane	-10.2 16.6	-5.5	-17.8	-2.6	9.8	9.8	50 30	30	30	30	30	30
1,2-Dibromoethane	-6.7 9.4	1.0	-13.6	-3.8	8.4	5.3	50 30	30	30	30	30	30
1-Chlorohexane	24.7 8.6	12.5	-15.5	-21.0	-1.8	-7.5	50 30	30	30	30	30	30
Chlorobenzene	3.2 12.4	2.0	-15.4	-9.2	6.0	1.0	50 30	30	30	30	30	30
1,1,1,2-Tetrachloroethane	-0.9 13.7	-1.3	-15.3	-6.7	7.1	3.4	50 30	30	30	30	30	30
Ethylbenzene	3.6 14.4	4.3	-15.1	-13.1	5.6	0.2	50 30	30	30	30	30	30
m&p-Xylene	4.2 14.4	6.1	-16.9	-13.0	5.4	-0.2	50 30	30	30	30	30	30
o-Xylene	0.6 12.3	4.1	-15.1	-9.6	6.9	0.7	50 30	30	30	30	30	30
Styrene	1.8 13.1	2.9	-17.1	-9.3	6.8	1.8	50 30	30	30	30	30	30
Bromoform	-29.1 23.2	-3.9	-18.9	-1.2	16.0	13.9	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1 Analy Batch No.: 562891

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/14/2024 21:54 Calibration End Date: 10/15/2024 00:00 Calibration ID: 66594

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Isopropylbenzene	2.8 14.5	6.7	-16.0	-13.4	5.9	-0.6	50 30	30	30	30	30	30
1,1,2,2-Tetrachloroethane	0.6 3.2	3.2	-15.8	-1.4	5.4	4.7	50 30	30	30	30	30	30
Bromobenzene	6.2 7.8	5.0	-15.5	-6.5	2.3	0.6	50 30	30	30	30	30	30
trans-1,4-Dichloro-2-butene	-14.0 21.7	-3.5	-18.9	0.9	12.8	1.0	50 30	30	30	30	30	30
1,2,3-Trichloropropane	-26.3 8.7	4.4	-8.7	3.2	10.6	8.1	50 30	30	30	30	30	30
N-Propylbenzene	5.4 14.4	3.4	-16.7	-12.5	4.8	1.2	50 30	30	30	30	30	30
2-Chlorotoluene	-1.0 14.5	3.5	-15.0	-9.9	5.1	2.7	50 30	30	30	30	30	30
1,3,5-Trimethylbenzene	-0.2 15.2	3.7	-16.8	-9.7	5.0	2.8	50 30	30	30	30	30	30
4-Chlorotoluene	-0.4 13.6	1.9	-14.1	-9.5	6.1	2.5	50 30	30	30	30	30	30
tert-Butylbenzene	-3.2 17.0	3.8	-11.6	-14.6	5.0	3.6	50 30	30	30	30	30	30
Pentachloroethane	-4.0 19.3	-6.7	-12.2	-8.7	6.8	5.5	50 30	30	30	30	30	30
1,2,4-Trimethylbenzene	-0.1 15.0	2.0	-15.8	-9.7	5.7	2.8	50 30	30	30	30	30	30
sec-Butylbenzene	6.6 15.8	3.0	-17.7	-12.5	4.1	0.8	50 30	30	30	30	30	30
1,3-Dichlorobenzene	2.4 12.6	2.1	-18.2	-6.2	5.0	2.2	50 30	30	30	30	30	30
p-Isopropyltoluene	-0.2 17.9	2.6	-16.2	-10.9	4.5	2.4	50 30	30	30	30	30	30
1,4-Dichlorobenzene	6.0 10.4	6.0	-17.6	-8.3	2.8	0.6	50 30	30	30	30	30	30
1,2,3-Trimethylbenzene	1.5 11.2	5.5	-16.1	-6.4	3.4	1.0	50 30	30	30	30	30	30
Benzyl chloride	-25.4 13.6	-3.9	-10.7	4.9	11.4	10.1	50 30	30	30	30	30	30
n-Butylbenzene	-3.4 20.4	-0.8	-18.0	-9.3	7.4	3.7	50 30	30	30	30	30	30
1,2-Dichlorobenzene	-3.6 12.3	-1.7	-14.5	-4.9	7.6	4.8	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1 Analy Batch No.: 562891

SDG No.:

Instrument ID: 19094 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/14/2024 21:54 Calibration End Date: 10/15/2024 00:00 Calibration ID: 66594

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
1,2-Dibromo-3-Chloropropane	-29.9 17.3	-8.3	-17.9	5.6	14.8	18.4	50 30	30	30	30	30	30
1,3,5-Trichlorobenzene	-5.7 17.3	1.4	-20.8	-4.7	7.2	5.5	50 30	30	30	30	30	30
1,2,4-Trichlorobenzene	0.4 15.9	-2.6	-21.8	-4.4	6.9	5.5	50 30	30	30	30	30	30
Hexachlorobutadiene	4.6 20.7	3.1	-20.7	-9.8	2.2	0.0	50 30	30	30	30	30	30
Naphthalene	-12.7 8.3	-1.3	-14.6	0.8	10.5	9.0	50 30	30	30	30	30	30
1,2,3-Trichlorobenzene	-3.0 12.8	-0.6	-18.8	-2.6	6.3	5.8	50 30	30	30	30	30	30
Dibromofluoromethane (Surr)	-0.5 -0.9	0.2	-0.8	0.0	1.7	0.4	50 30	30	30	30	30	30
1,2-Dichloroethane-d4 (Surr)	-1.9 -2.1	-2.2	1.1	-0.4	3.1	2.4	50 30	30	30	30	30	30
Toluene-d8 (Surr)	-0.1 0.4	0.3	-0.3	-0.2	0.6	-0.6	50 30	30	30	30	30	30
4-Bromofluorobenzene (Surr)	-0.8 0.0	-0.8	0.4	0.2	1.9	-0.9	50 30	30	30	30	30	30

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X12.D
Lims ID: IC std1 0.2
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 14-Oct-2024 21:54:30 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0127661-013
Misc. Info.: IC std1 0.2
Operator ID: gaw91131 Instrument ID: 19094
Sublist: chrom-MSV_19094_25mL*sub1

Method: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 17-Oct-2024 09:43:55 Calib Date: 15-Oct-2024 00:00:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1693

First Level Reviewer: JS6E Date: 15-Oct-2024 01:18:55

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.843	1.843	0.000	96	9844	0.2000	0.2161	
5 Chloromethane	50	2.026	2.026	0.000	98	16777	0.2000	0.2469	
7 Butadiene	39	2.129	2.129	0.000	96	12542	0.2000	0.1996	
6 Vinyl chloride	62	2.129	2.135	-0.006	94	13677	0.2000	0.2339	
9 Bromomethane	94	2.440	2.440	0.000	70	9266	0.2000	0.2203	
10 Chloroethane	64	2.501	2.507	-0.006	97	8949	0.2000	0.2378	
11 Dichlorofluoromethane	67	2.721	2.727	-0.006	96	22096	0.2000	0.2293	
12 Trichlorofluoromethane	101	2.800	2.806	-0.006	49	13565	0.2000	0.2109	
14 Ethyl ether	59	3.007	3.007	0.000	71	7330	0.2000	0.2322	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.074	3.093	-0.019	87	12716	0.2000	0.2347	
16 Acrolein	56	3.178	3.160	0.018	99	38363	10.0	8.93	
17 1,1-Dichloroethene	96	3.294	3.294	0.000	96	7876	0.2000	0.2173	
19 Acetone	43	3.361	3.318	0.043	83	16468	2.00	3.30	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.324	3.330	-0.006	69	5961	0.2000	0.1774	
21 Iodomethane	142	3.483	3.477	0.006	98	14577	0.2000	0.1966	
22 Ethyl bromide	108	3.501	3.501	0.000	93	8356	0.2003	0.2374	
23 Carbon disulfide	76	3.580	3.580	0.000	100	24865	0.2000	0.2161	
24 Methyl acetate	43	3.782	3.702	0.080	20	5418	0.2000	0.3958	M
26 3-Chloro-1-propene	41	3.733	3.733	0.000	91	16167	0.2000	0.2126	
27 Methylene Chloride	84	3.897	3.897	0.000	91	9385	0.2000	0.2161	
* 28 t-Butyl alcohol-d10 (IS)	65	3.910	3.916	-0.006	92	89716	50.0	50.0	
29 2-Methyl-2-propanol	59	4.019	4.013	0.006	29	6305	4.00	4.09	M
31 Acrylonitrile	53		4.214				ND	ND	
32 Methyl tert-butyl ether	73	4.281	4.275	0.006	93	20742	0.2000	0.2055	
33 trans-1,2-Dichloroethene	96	4.294	4.294	0.000	96	9132	0.2000	0.2158	
34 Hexane	57	4.726	4.714	0.012	92	12400	0.2000	0.2206	
36 1,1-Dichloroethane	63	4.952	4.946	0.006	94	17030	0.2000	0.2049	
37 Isopropyl ether	45	5.019	5.001	0.018	95	31317	0.2000	0.2079	
38 2-Chloro-1,3-butadiene	53	5.062	5.062	0.000	89	14359	0.2000	0.2077	
40 Tert-butyl ethyl ether	59	5.556	5.549	0.007	98	28624	0.2000	0.2087	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
41 2-Butanone (MEK)	43	5.793	5.751	0.042	49	18265	2.00	2.11	M
42 cis-1,2-Dichloroethene	96	5.793	5.793	0.000	80	10552	0.2000	0.2136	
43 2,2-Dichloropropane	77	5.806	5.805	0.001	66	15621	0.2000	0.2263	
44 Propionitrile	54	5.909	5.836	0.073	39	7489	4.00	3.18	M
47 Methacrylonitrile	67	6.080	6.055	0.025	89	19563	2.00	2.07	M
48 Chlorobromomethane	128	6.129	6.129	0.000	49	4036	0.2000	0.2011	M
49 Tetrahydrofuran	71	6.171	6.141	0.030	77	2032	1.00	0.8343	
S 46 1,2-Dichloroethene, Total	100				0			0.4294	
50 Chloroform	83	6.293	6.281	0.012	93	16686	0.2000	0.2135	
$ 52 Dibromofluoromethane (Surr)	113	6.500	6.500	0.000	94	483437	10.0	9.95	
53 1,1,1-Trichloroethane	97	6.513	6.513	0.000	36	14491	0.2000	0.2179	
54 Cyclohexane	56	6.616	6.622	-0.006	91	15288	0.2000	0.2109	
56 Carbon tetrachloride	117	6.726	6.732	-0.006	84	10804	0.2000	0.1948	
55 1,1-Dichloropropene	75	6.732	6.732	0.000	94	13615	0.2000	0.2183	
57 Isobutyl alcohol	41	6.921	6.885	0.036	37	7446	10.0	13.1	M
$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.958	6.964	-0.006	80	96982	10.0	9.81	
59 Benzene	78	6.994	6.994	0.000	97	41566	0.2000	0.2167	
60 1,2-Dichloroethane	62	7.074	7.067	0.007	91	9506	0.2000	0.2110	
63 Tert-amyl methyl ether	73	7.195	7.195	0.000	97	24075	0.2000	0.2116	
* 64 Fluorobenzene (IS)	96	7.403	7.409	-0.006	99	2082750	10.0	10.0	
65 n-Heptane	43	7.421	7.427	-0.006	36	12726	0.2000	0.2301	Ma
67 n-Butanol	56	7.933	7.787	0.146	24	2658	17.5	6.74	M
68 Trichloroethene	95	7.897	7.897	0.000	97	11042	0.2000	0.2302	M
69 Methylcyclohexane	83	8.220	8.214	0.006	86	13512	0.2000	0.1954	
70 1,2-Dichloropropane	63	8.238	8.232	0.006	75	9534	0.2000	0.1963	
71 2-ethoxy-2-methyl butane	87	8.250	8.250	0.000	94	14702	0.2000	0.2040	
73 1,4-Dioxane	88	8.348	8.329	0.019	1	115	10.0	1.64	M
72 Methyl methacrylate	69	8.348	8.329	0.019	73	3421	0.2000	0.1916	
74 Dibromomethane	93	8.348	8.348	0.000	90	4102	0.2000	0.2017	M
76 Dichlorobromomethane	83	8.592	8.585	0.007	98	11014	0.2000	0.2038	M
77 2-Nitropropane	41	8.854	8.854	0.000	98	7438	1.00	1.28	M
79 1-Bromo-2-chloroethane	63	8.994	8.988	0.006	95	9216	0.2000	0.2066	
80 cis-1,3-Dichloropropene	75	9.165	9.152	0.013	95	13186	0.2000	0.1930	
82 4-Methyl-2-pentanone (MIBK)	43	9.341	9.335	0.006	98	48412	2.00	2.03	
$ 83 Toluene-d8 (Surr)	98	9.476	9.475	0.001	94	2043817	10.0	9.99	
84 Toluene	92	9.561	9.561	0.000	97	24831	0.2000	0.2112	
85 trans-1,3-Dichloropropene	75	9.847	9.835	0.012	94	10182	0.2000	0.1883	
104 Ethyl methacrylate	69	9.908	9.902	0.006	89	8749	0.2000	0.2017	M
106 1,1,2-Trichloroethane	97	10.055	10.042	0.013	89	6655	0.2000	0.2235	
S 105 1,3-Dichloropropene, Total	100				0			0.3813	
107 Tetrachloroethene	166	10.134	10.134	0.000	96	11475	0.2000	0.2162	
108 1,3-Dichloropropane	76	10.213	10.213	0.000	91	9840	0.2000	0.1884	
109 2-Hexanone	43	10.280	10.268	0.012	97	26629	2.00	1.74	
111 Chlorodibromomethane	129	10.439	10.433	0.006	89	6354	0.2000	0.1795	
112 Ethylene Dibromide	107	10.548	10.548	0.000	98	5069	0.2000	0.1867	
* 113 Chlorobenzene-d5 (IS)	117	10.994	10.993	0.001	86	1492945	10.0	10.0	
114 1-Chlorohexane	91	11.006	11.006	0.000	90	16653	0.2000	0.2495	
115 Chlorobenzene	112	11.018	11.018	0.000	96	26161	0.2000	0.2064	
116 1,1,1,2-Tetrachloroethane	131	11.109	11.103	0.006	43	8713	0.2000	0.1982	
117 Ethylbenzene	91	11.109	11.109	0.000	99	47342	0.2000	0.2073	
119 m-Xylene & p-Xylene	106	11.231	11.225	0.006	99	36841	0.4000	0.4168	
S 118 Xylenes, Total	106				0			0.6181	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
120 o-Xylene	106	11.567	11.560	0.007	97	17305	0.2000	0.2013	
121 Styrene	104	11.585	11.579	0.006	95	28408	0.2000	0.2036	
122 Bromoform	173	11.743	11.737	0.006	86	2789	0.2000	0.1418	
123 Isopropylbenzene	105	11.871	11.871	0.000	96	41699	0.2000	0.2056	
$ 126 4-Bromofluorobenzene (Surr)	95	12.018	12.012	0.006	92	727815	10.0	9.92	
127 1,1,2,2-Tetrachloroethane	83	12.121	12.115	0.006	92	7347	0.2000	0.2013	M
128 Bromobenzene	156	12.134	12.134	0.000	90	11223	0.2000	0.2125	
129 trans-1,4-Dichloro-2-butene	53	12.152	12.140	0.012	93	13813	2.00	1.72	
130 1,2,3-Trichloropropane	110	12.164	12.164	0.000	73	1307	0.2000	0.1474	
131 N-Propylbenzene	91	12.207	12.201	0.006	99	56107	0.2000	0.2107	
132 2-Chlorotoluene	126	12.280	12.280	0.000	96	10343	0.2000	0.1980	
133 1,3,5-Trimethylbenzene	105	12.347	12.341	0.006	93	37416	0.2000	0.1996	
134 4-Chlorotoluene	126	12.377	12.371	0.006	95	10658	0.2000	0.1991	
135 tert-Butylbenzene	134	12.585	12.585	0.000	93	8263	0.2000	0.1937	
136 Pentachloroethane	167	12.621	12.615	0.006	79	6503	0.2000	0.1920	
137 1,2,4-Trimethylbenzene	105	12.633	12.627	0.006	97	38174	0.2000	0.1997	
138 sec-Butylbenzene	105	12.749	12.749	0.000	94	51011	0.2000	0.2132	
139 1,3-Dichlorobenzene	146	12.853	12.847	0.006	98	21260	0.2000	0.2049	
140 4-Isopropyltoluene	119	12.859	12.859	0.000	97	41913	0.2000	0.1996	
* 141 1,4-Dichlorobenzene-d4	152	12.908	12.908	0.000	95	833699	10.0	10.0	
142 1,4-Dichlorobenzene	146	12.926	12.926	0.000	94	22457	0.2000	0.2120	
143 1,2,3-Trimethylbenzene	120	12.938	12.932	0.006	96	17514	0.2000	0.2030	
144 Benzyl chloride	126	13.011	12.999	0.012	99	2199	0.2000	0.1492	
145 p-Diethylbenzene	119	13.139	13.133	0.006	96	25832	0.2000	0.2043	
146 n-Butylbenzene	92	13.158	13.158	0.000	97	18738	0.2000	0.1933	
147 1,2-Dichlorobenzene	146	13.188	13.182	0.006	96	17864	0.2000	0.1928	
149 1,2-Dibromo-3-Chloropropane	155	13.749	13.731	0.018	1	678	0.2000	0.1403	M
150 1,3,5-Trichlorobenzene	180	13.865	13.859	0.006	97	14521	0.2000	0.1885	
151 1,2,4-Trichlorobenzene	180	14.292	14.286	0.006	94	13282	0.2000	0.2008	
152 Hexachlorobutadiene	225	14.371	14.371	0.000	93	5589	0.2000	0.2092	
153 Naphthalene	128	14.475	14.462	0.013	97	19933	0.2000	0.1746	
154 1,2,3-Trichlorobenzene	180	14.615	14.603	0.012	95	11117	0.2000	0.1940	
157 Pentane	43		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_LL_#1_826_00150	Amount Added:	2.00	Units: uL	
MSV_LL_GAS826_00238	Amount Added:	2.00	Units: uL	
MSV_LL_#2_826_00157	Amount Added:	2.00	Units: uL	
MSV_LLcentISS_00014	Amount Added:	5.00	Units: uL	Run Reagent

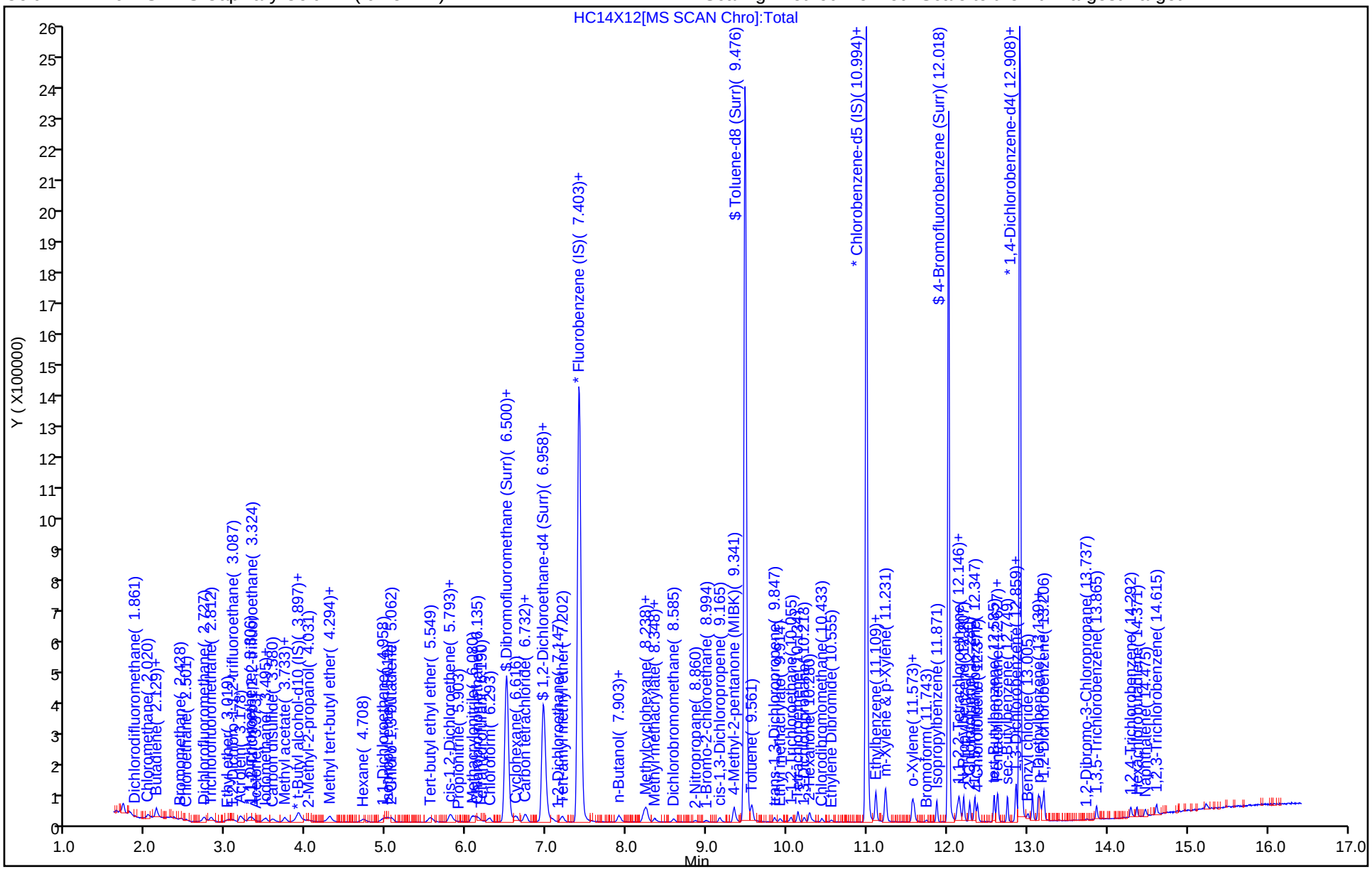
Report Date: 17-Oct-2024 09:43:56 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X12.D

Injection Date:	14-Oct-2024 21:54:30	Instrument ID:	19094	Operator ID:	gaw91131
Lims ID:	IC std1 0.2			Worklist Smp#:	13
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

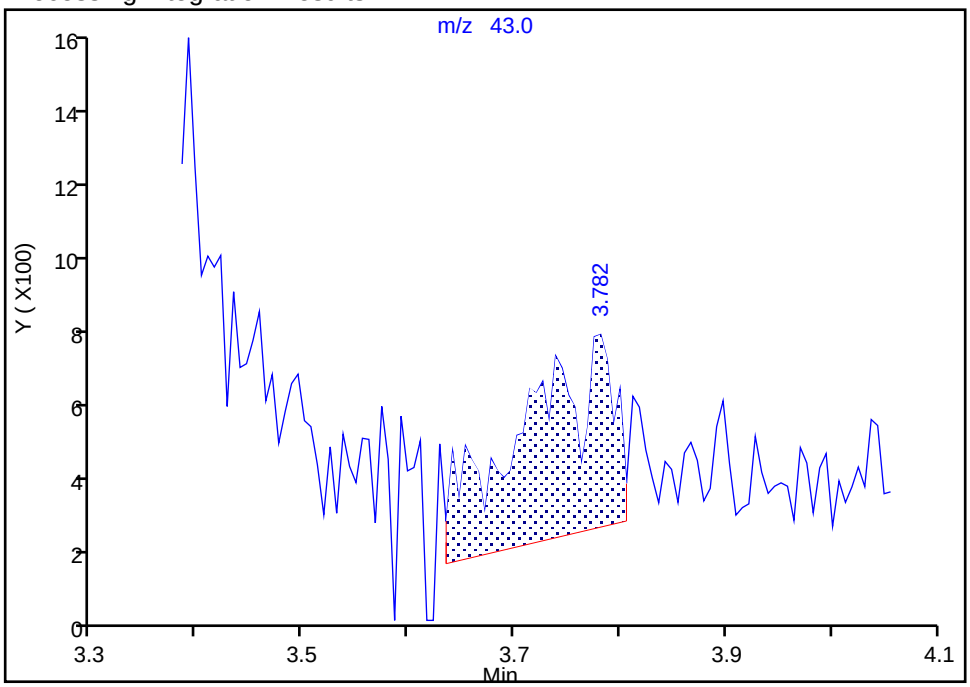
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Injection Date: 14-Oct-2024 21:54:30 Instrument ID: 19094
Lims ID: IC std1 0.2
Client ID:
Operator ID: gaw91131 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

24 Methyl acetate, CAS: 79-20-9

Signal: 1

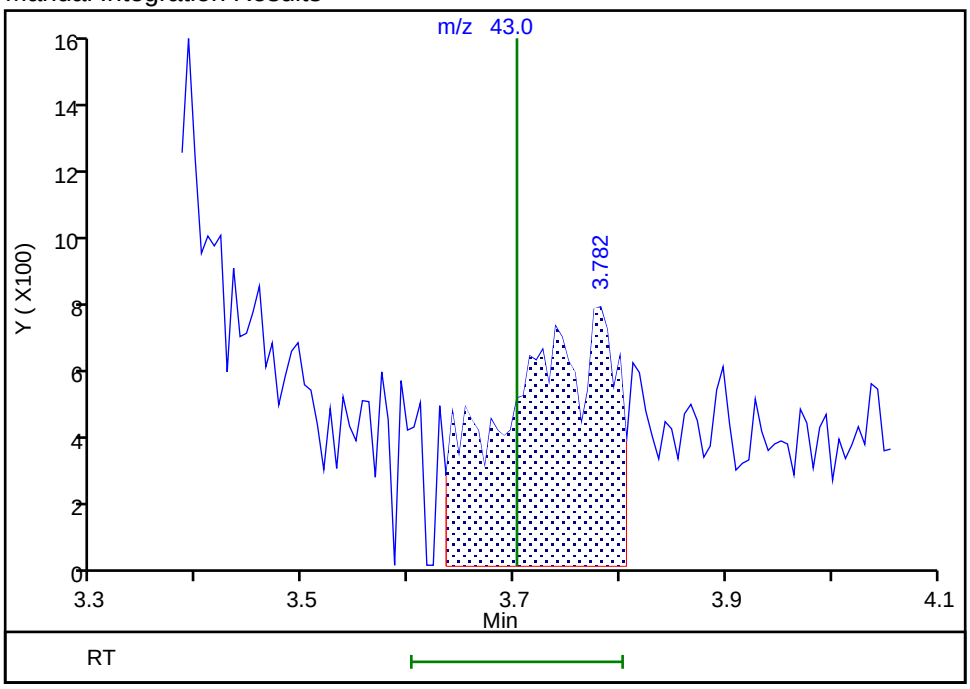
Processing Integration Results

RT: 3.78
Area: 3212
Amount: 0.214510
Amount Units: ug/l



Manual Integration Results

RT: 3.78
Area: 5418
Amount: 0.395788
Amount Units: ug/l



Reviewer: DVW2, 15-Oct-2024 08:17:22 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

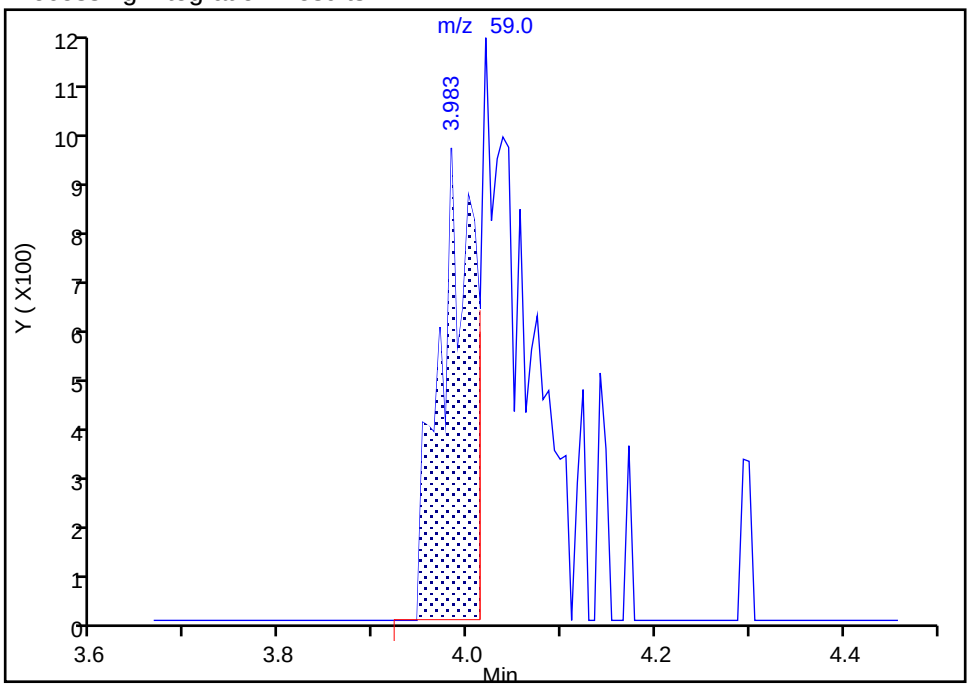
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Injection Date: 14-Oct-2024 21:54:30 Instrument ID: 19094
Lims ID: IC std1 0.2
Client ID:
Operator ID: gaw91131 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

29 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

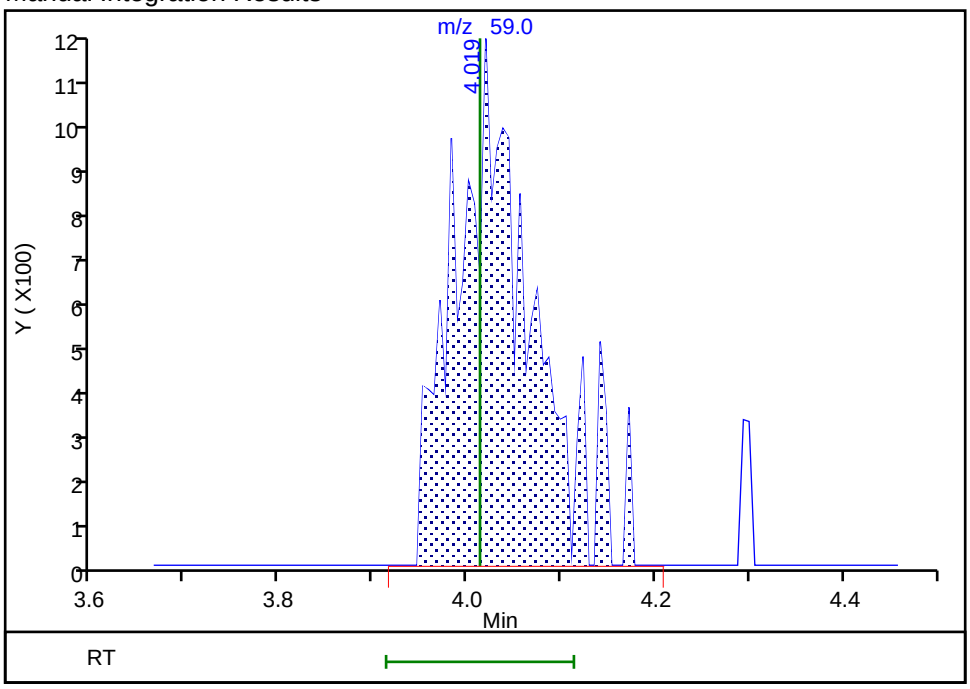
Processing Integration Results

RT: 3.98
Area: 2285
Amount: 3.275802
Amount Units: ug/l



Manual Integration Results

RT: 4.02
Area: 6305
Amount: 4.085970
Amount Units: ug/l



Reviewer: DVW2, 15-Oct-2024 08:17:32 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

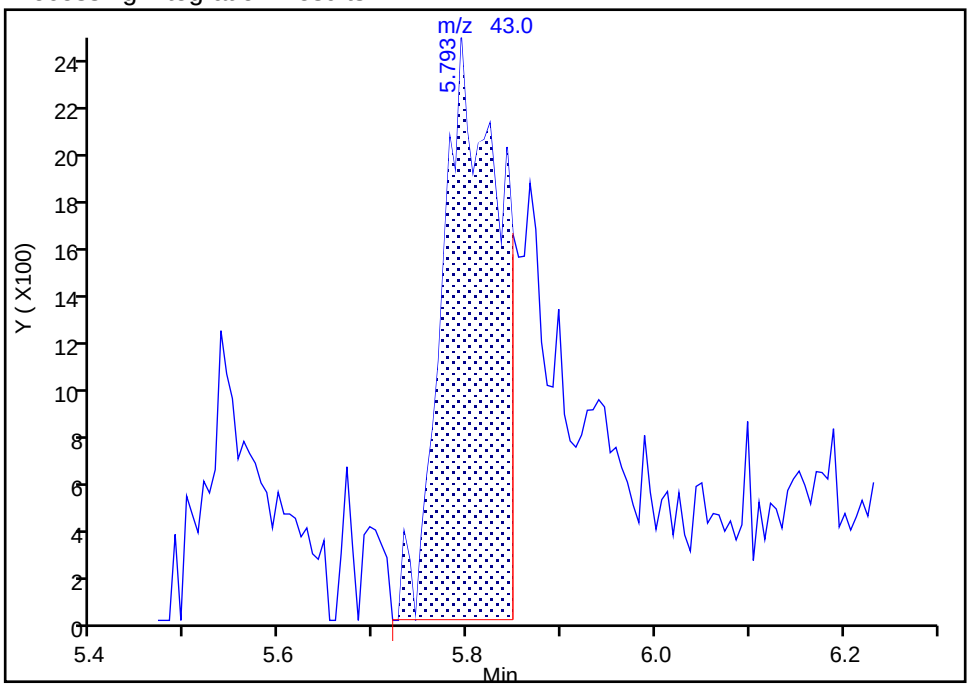
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Injection Date:	14-Oct-2024 21:54:30	Instrument ID:	19094		
Lims ID:	IC std1 0.2				
Client ID:					
Operator ID:	gaw91131	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

41 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

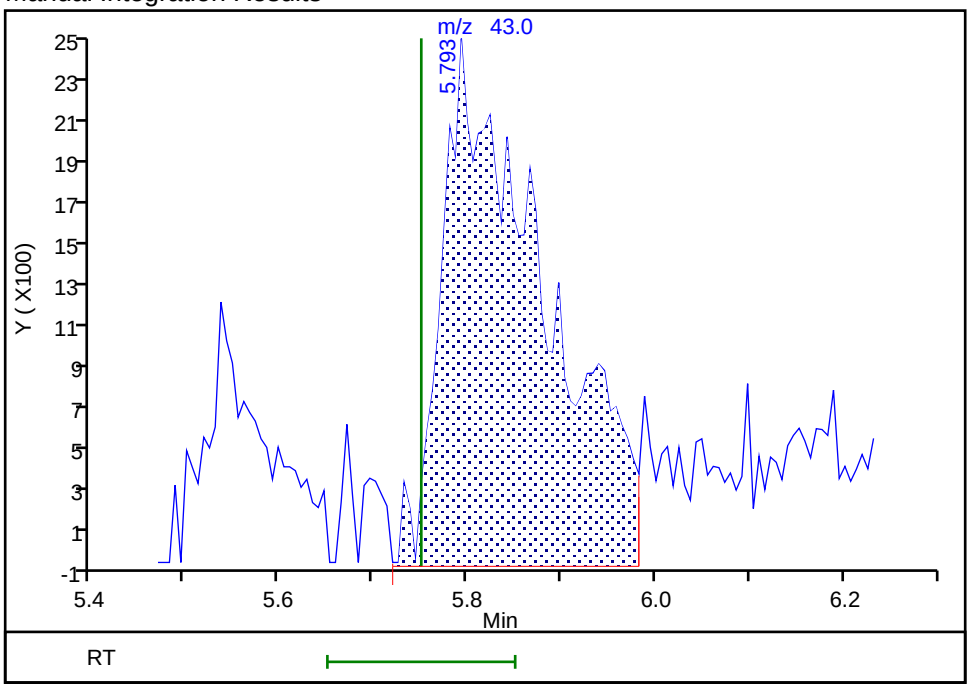
Processing Integration Results

RT: 5.79
Area: 10335
Amount: 1.274744
Amount Units: ug/l



Manual Integration Results

RT: 5.79
Area: 18265
Amount: 2.105733
Amount Units: ug/l



Reviewer: DVW2, 15-Oct-2024 08:17:45 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

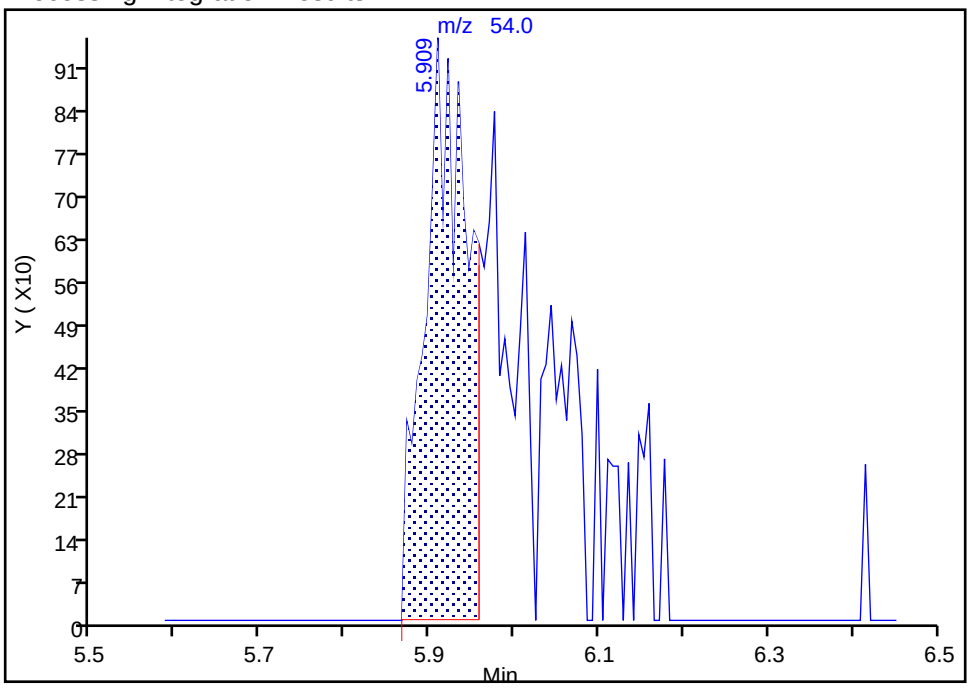
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Injection Date: 14-Oct-2024 21:54:30 Instrument ID: 19094
Lims ID: IC std1 0.2
Client ID:
Operator ID: gaw91131 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

44 Propionitrile, CAS: 107-12-0

Signal: 1

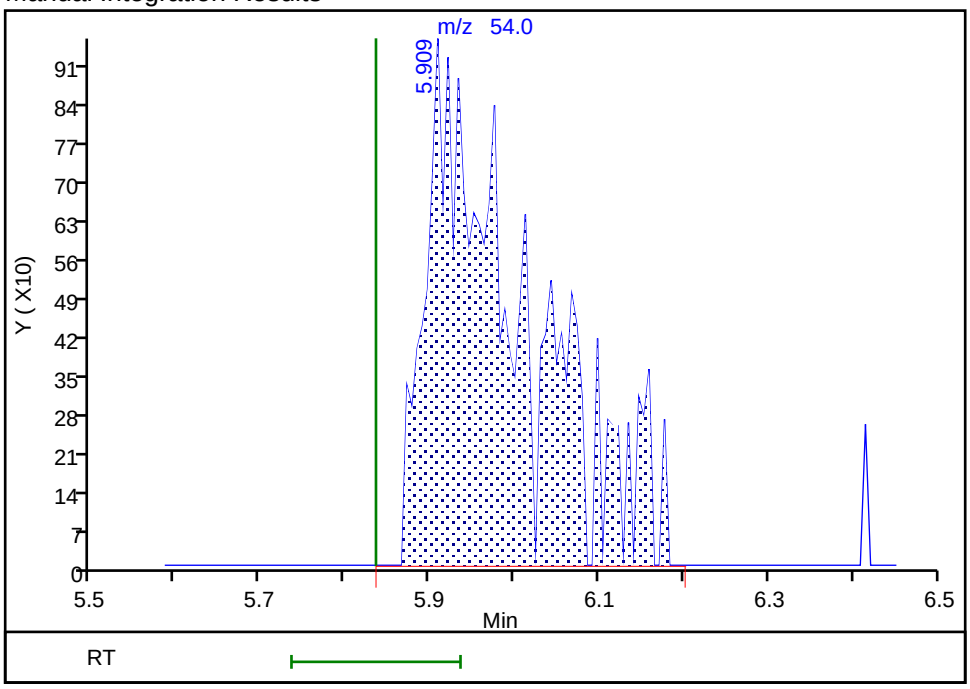
Processing Integration Results

RT: 5.91
Area: 3331
Amount: 4.255359
Amount Units: ug/l



Manual Integration Results

RT: 5.91
Area: 7489
Amount: 3.183883
Amount Units: ug/l



Reviewer: DVW2, 15-Oct-2024 08:17:56 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

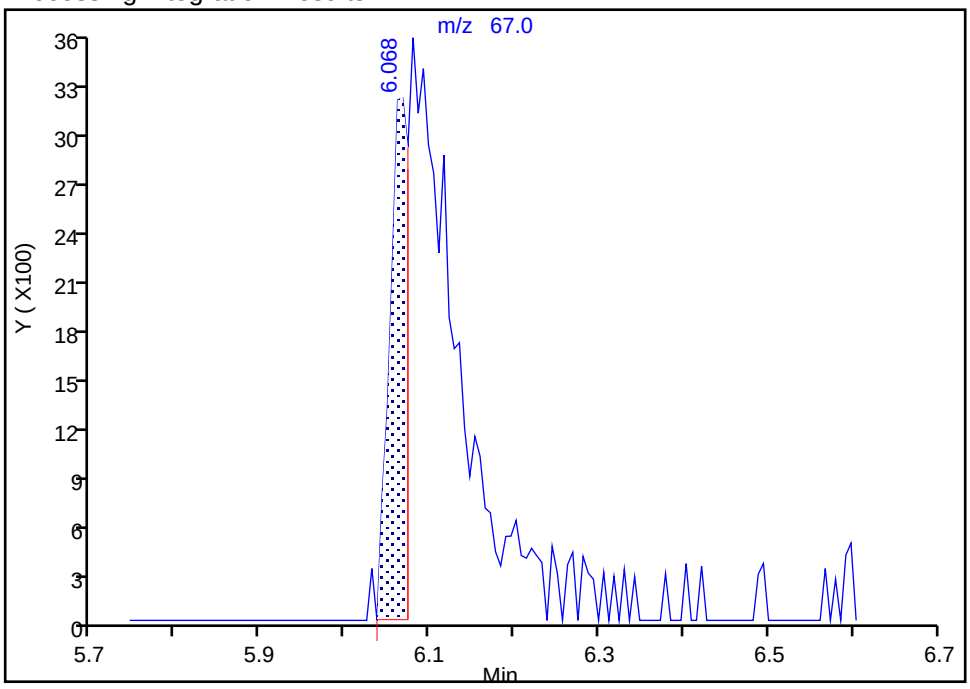
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Lims ID: IC std1 0.2
Client ID:
Operator ID: gaw91131 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

47 Methacrylonitrile, CAS: 126-98-7

Signal: 1

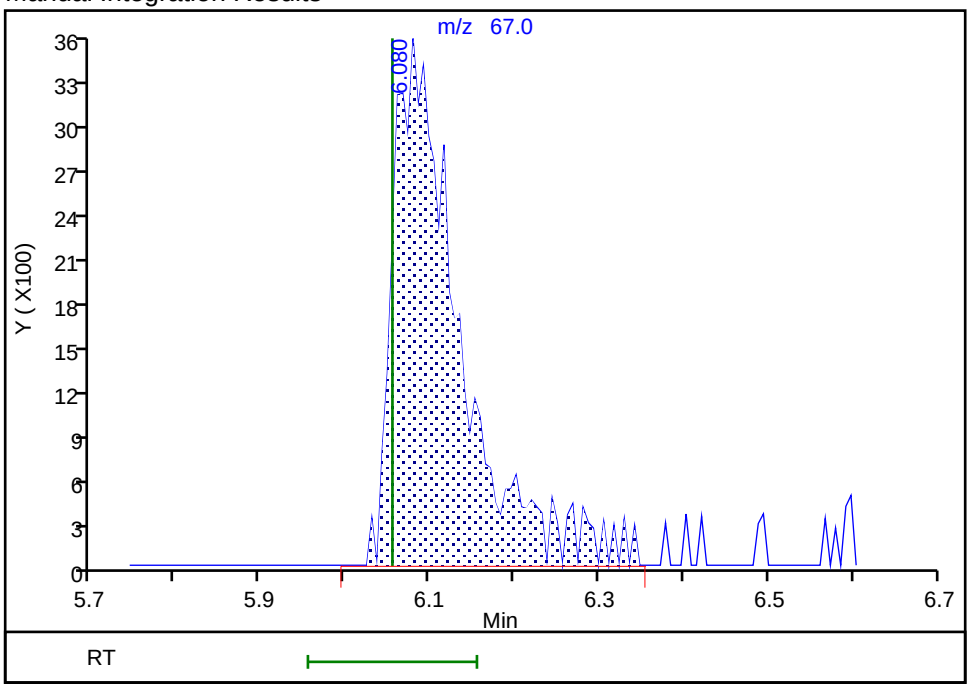
Processing Integration Results

RT: 6.07
Area: 4968
Amount: 1.919640
Amount Units: ug/l



Manual Integration Results

RT: 6.08
Area: 19563
Amount: 2.068597
Amount Units: ug/l



Reviewer: DVW2, 15-Oct-2024 08:18:00 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

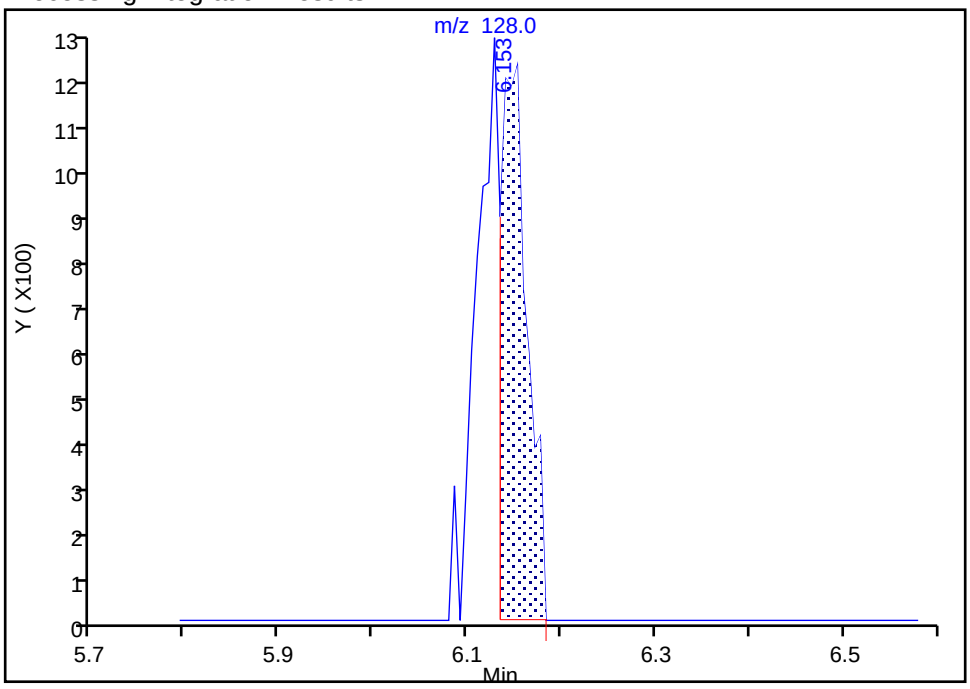
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Lims ID: IC std1 0.2
Client ID:
Operator ID: gaw91131 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

48 Chlorobromomethane, CAS: 74-97-5

Signal: 1

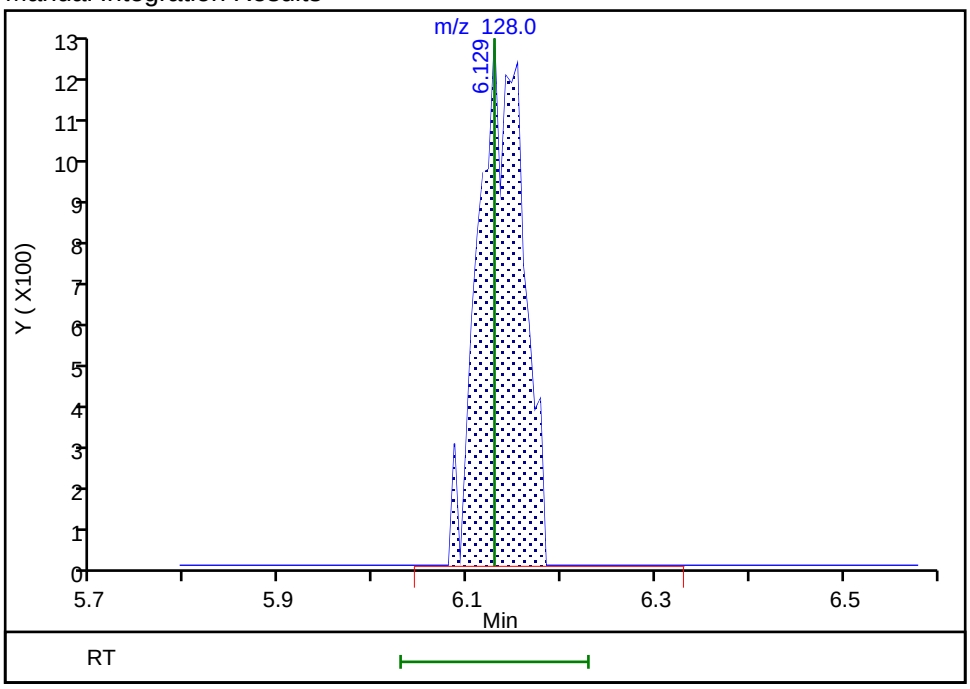
Processing Integration Results

RT: 6.15
Area: 2259
Amount: 0.120185
Amount Units: ug/l



Manual Integration Results

RT: 6.13
Area: 4036
Amount: 0.201144
Amount Units: ug/l



Reviewer: DVW2, 15-Oct-2024 08:18:03 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

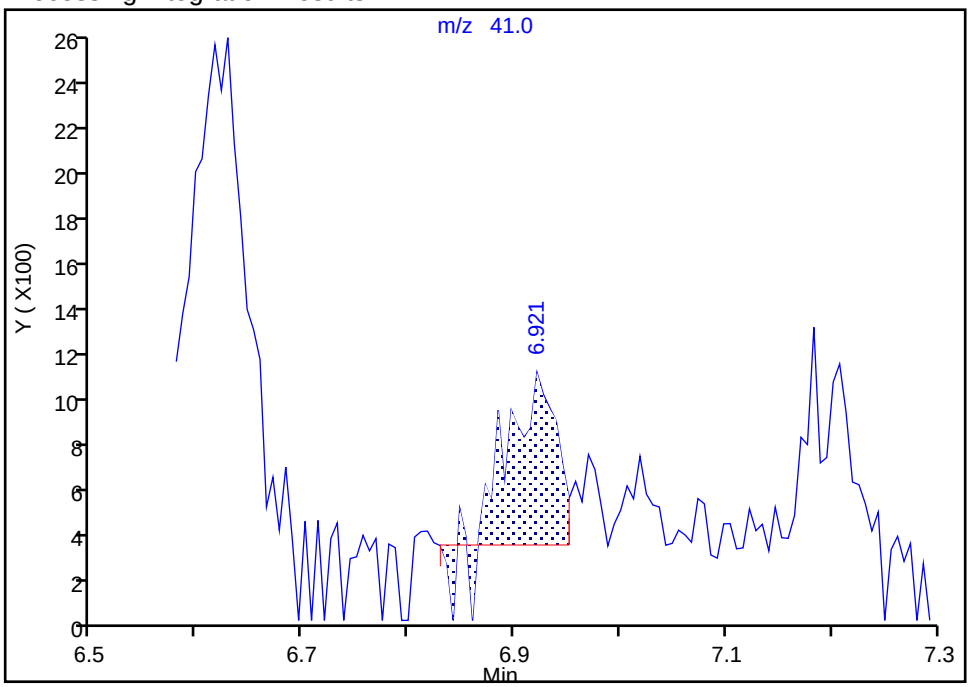
Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X12.D
Injection Date: 14-Oct-2024 21:54:30 Instrument ID: 19094
Lims ID: IC std1 0.2
Client ID:
Operator ID: gaw91131 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

57 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

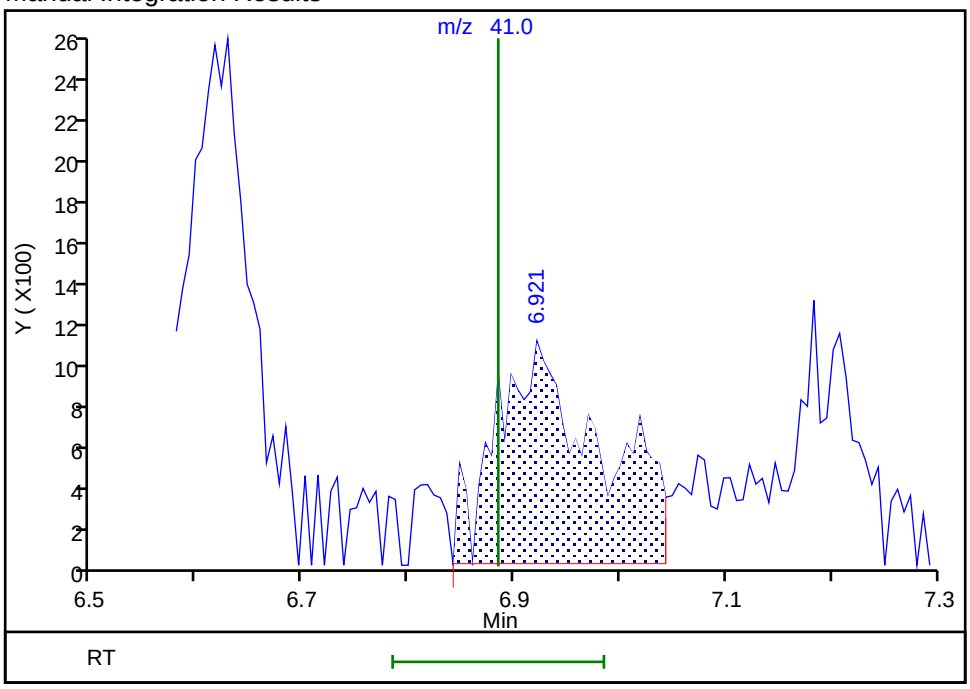
Processing Integration Results

RT: 6.92
Area: 2239
Amount: 9.295623
Amount Units: ug/l



Manual Integration Results

RT: 6.92
Area: 7446
Amount: 13.083264
Amount Units: ug/l



Reviewer: DVW2, 15-Oct-2024 08:18:18 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

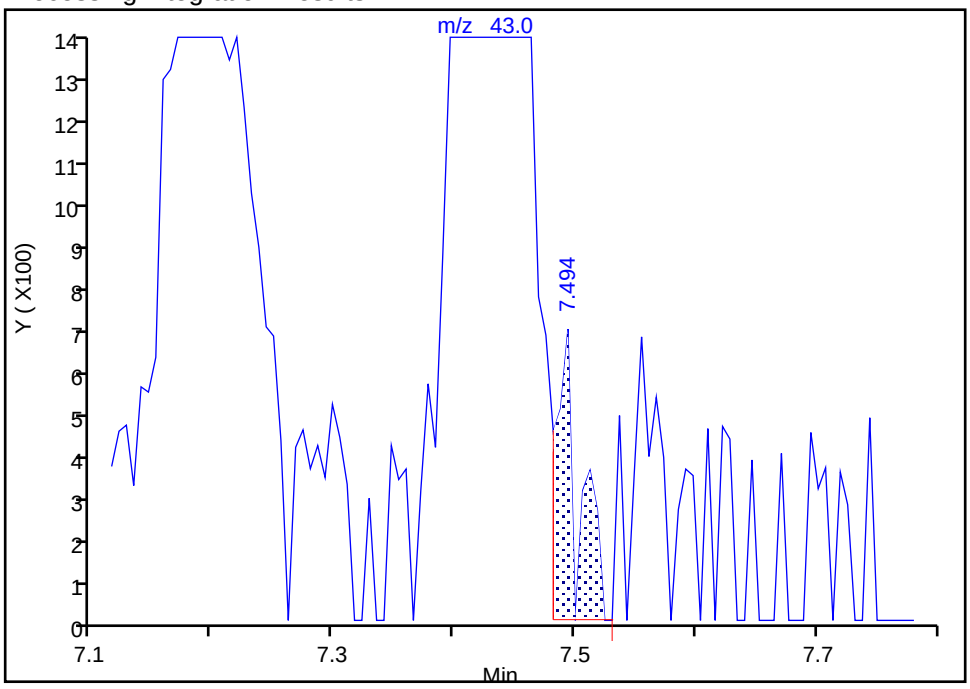
Data File:	\\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X12.D				
Injection Date:	14-Oct-2024 21:54:30	Instrument ID:	19094		
Lims ID:	IC std1 0.2				
Client ID:					
Operator ID:	gaw91131	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

65 n-Heptane, CAS: 142-82-5

Signal: 1

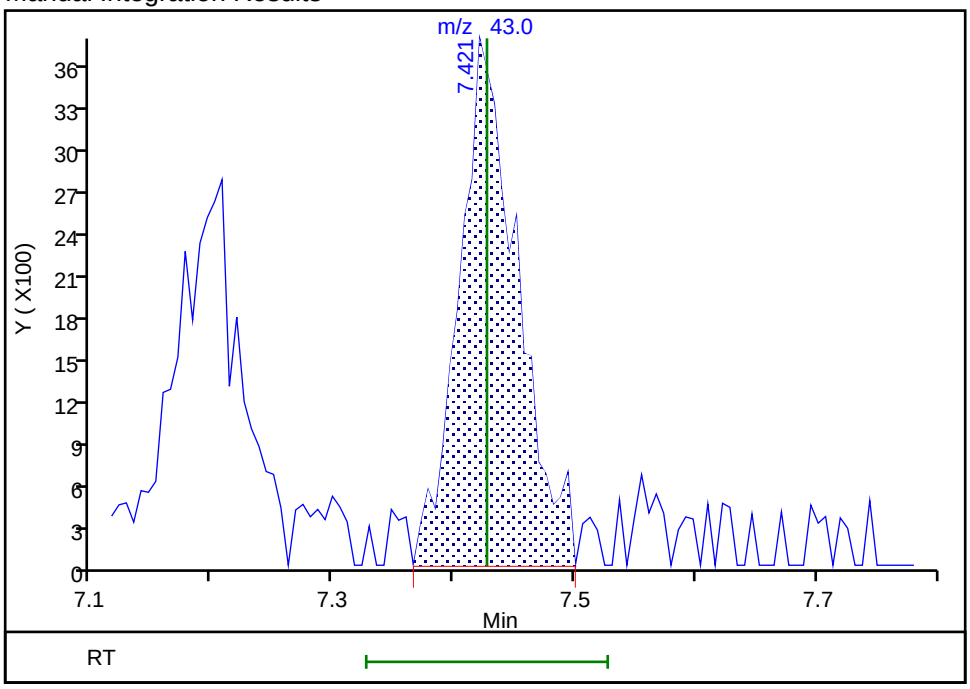
Processing Integration Results

RT: 7.49
Area: 910
Amount: 0.193951
Amount Units: ug/l



Manual Integration Results

RT: 7.42
Area: 12726
Amount: 0.230115
Amount Units: ug/l



Reviewer: UKEK, 17-Oct-2024 09:00:05 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

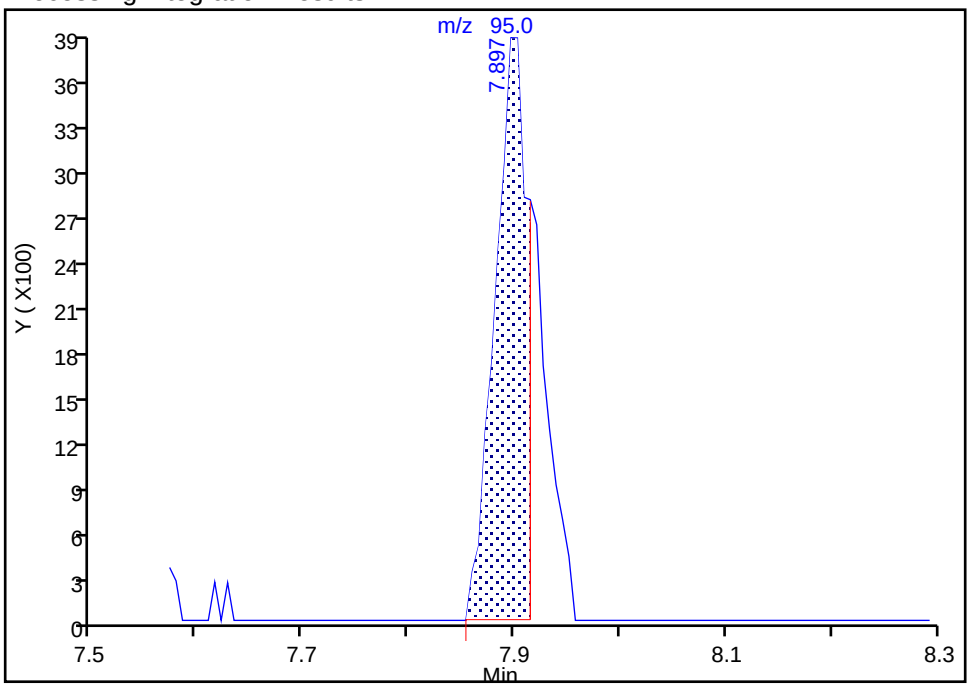
Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X12.D
Injection Date: 14-Oct-2024 21:54:30 Instrument ID: 19094
Lims ID: IC std1 0.2
Client ID:
Operator ID: gaw91131 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

68 Trichloroethene, CAS: 79-01-6

Signal: 1

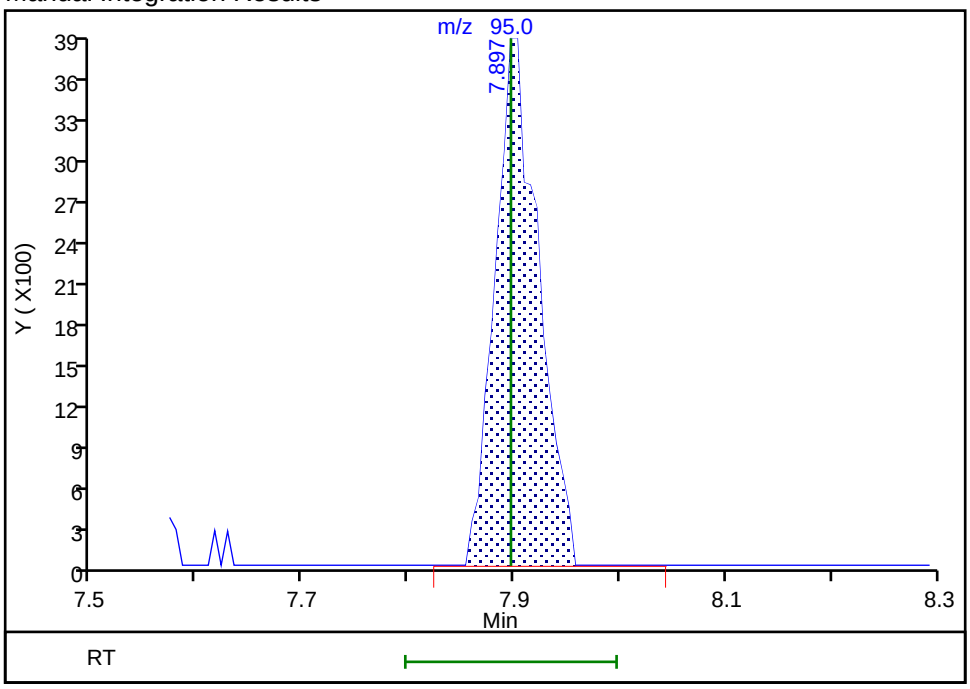
Processing Integration Results

RT: 7.90
Area: 8269
Amount: 0.179844
Amount Units: ug/l



Manual Integration Results

RT: 7.90
Area: 11042
Amount: 0.230236
Amount Units: ug/l



Reviewer: DVW2, 15-Oct-2024 08:18:34 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

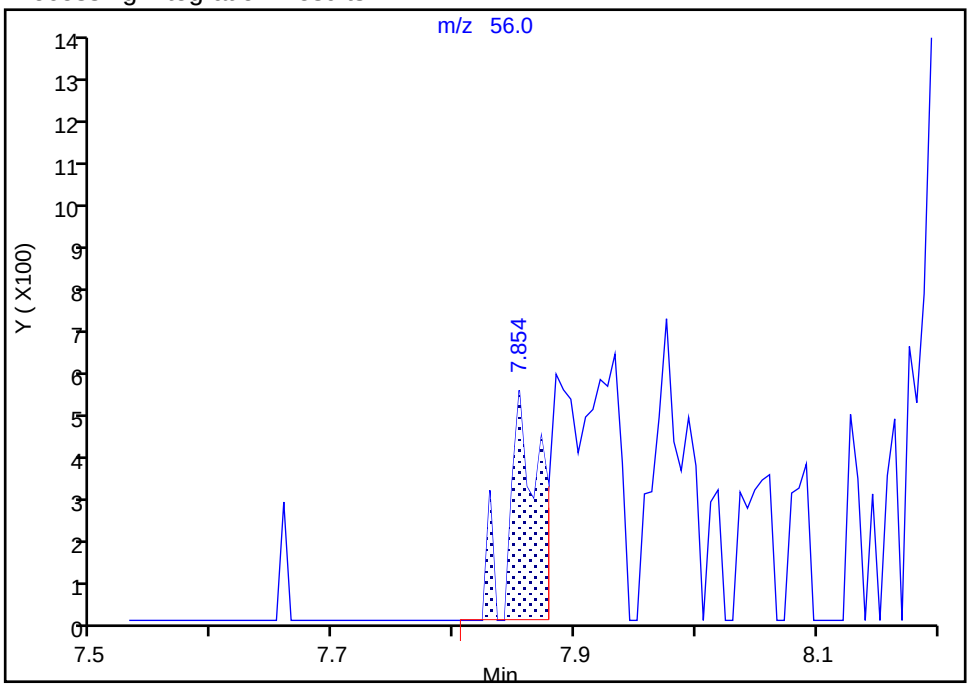
Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X12.D
Injection Date: 14-Oct-2024 21:54:30 Instrument ID: 19094
Lims ID: IC std1 0.2
Client ID:
Operator ID: gaw91131 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

67 n-Butanol, CAS: 71-36-3

Signal: 1

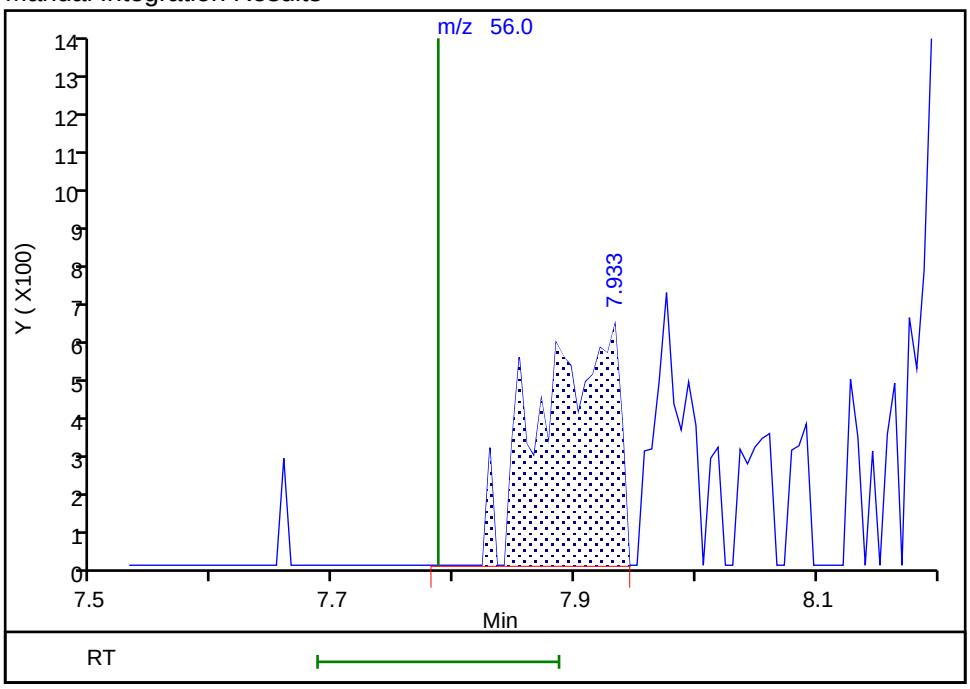
Processing Integration Results

RT: 7.85
Area: 875
Amount: 22.608828
Amount Units: ug/l



Manual Integration Results

RT: 7.93
Area: 2658
Amount: 6.736567
Amount Units: ug/l



Reviewer: DVW2, 15-Oct-2024 08:18:30 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

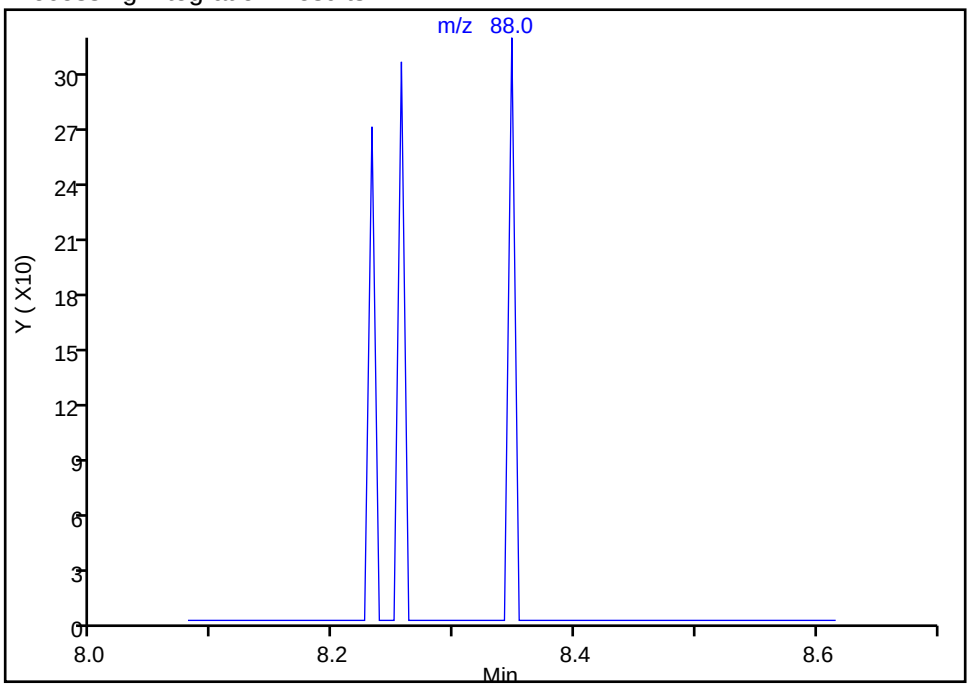
Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X12.D
Injection Date: 14-Oct-2024 21:54:30 Instrument ID: 19094
Lims ID: IC std1 0.2
Client ID:
Operator ID: gaw91131 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

73 1,4-Dioxane, CAS: 123-91-1

Signal: 1

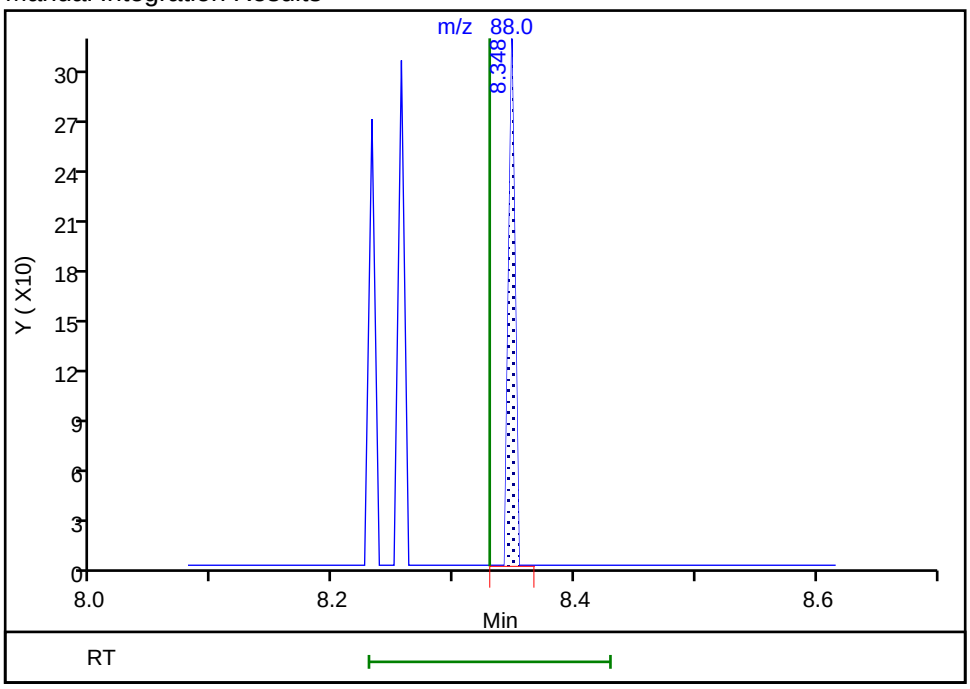
Not Detected
Expected RT: 8.33

Processing Integration Results



Manual Integration Results

RT: 8.35
Area: 115
Amount: 1.636547
Amount Units: ug/l



Reviewer: DVW2, 15-Oct-2024 08:18:39 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

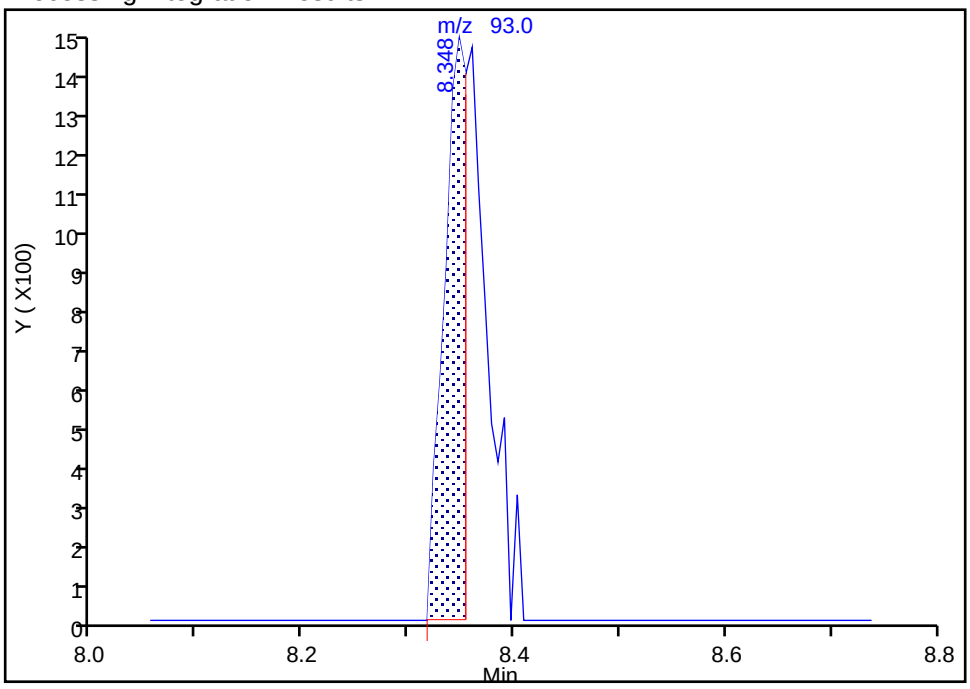
Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X12.D
Injection Date: 14-Oct-2024 21:54:30 Instrument ID: 19094
Lims ID: IC std1 0.2
Client ID:
Operator ID: gaw91131 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

74 Dibromomethane, CAS: 74-95-3

Signal: 1

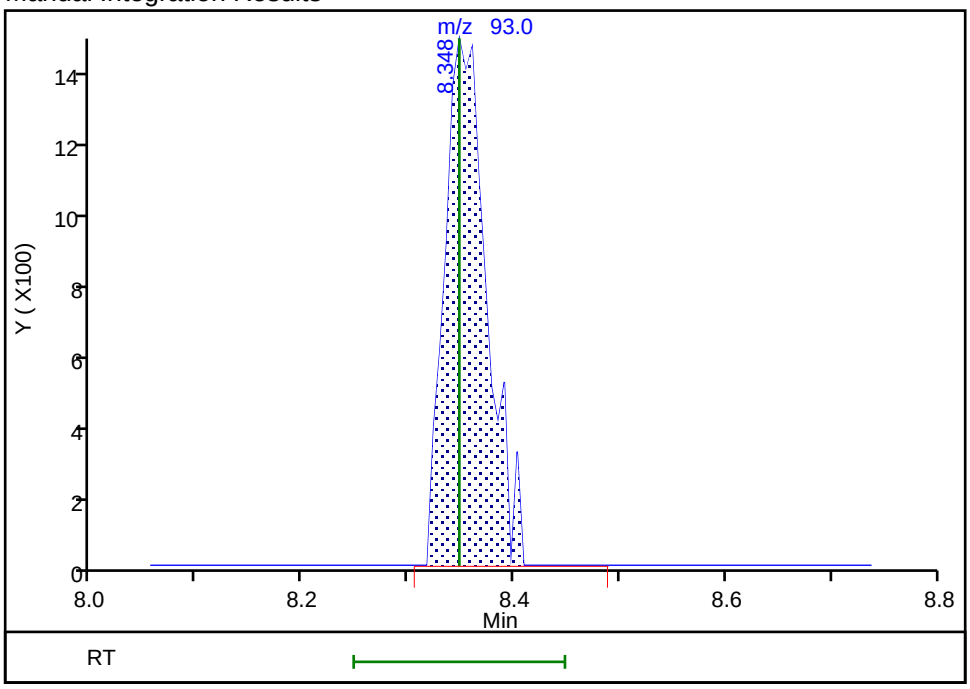
Processing Integration Results

RT: 8.35
Area: 2239
Amount: 0.270563
Amount Units: ug/l



Manual Integration Results

RT: 8.35
Area: 4102
Amount: 0.201743
Amount Units: ug/l



Reviewer: DVW2, 15-Oct-2024 08:18:48 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

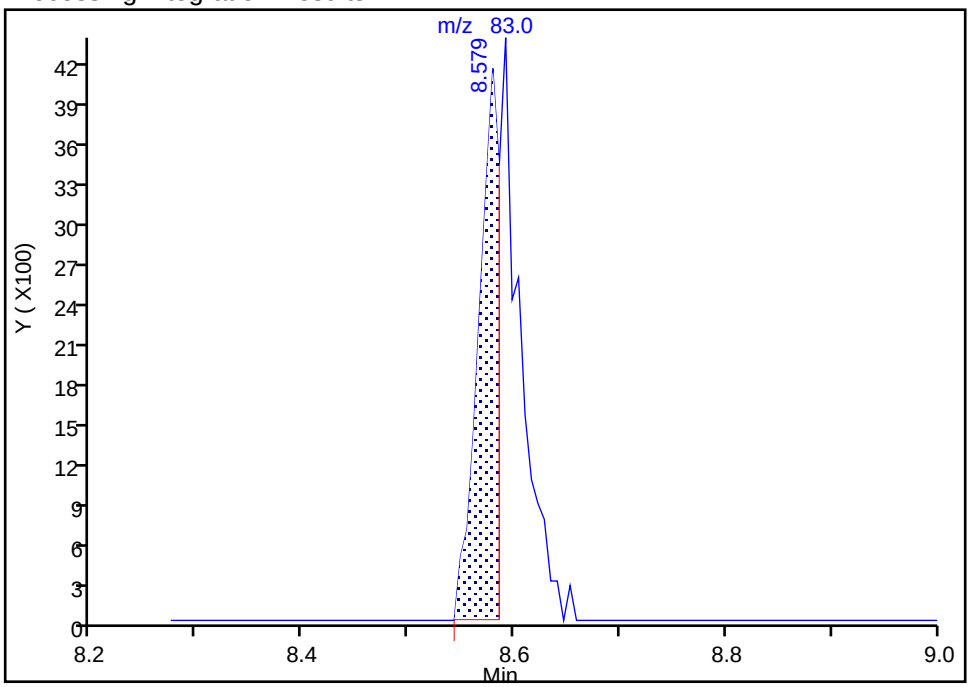
Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X12.D
Injection Date: 14-Oct-2024 21:54:30 Instrument ID: 19094
Lims ID: IC std1 0.2
Client ID:
Operator ID: gaw91131 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

76 Dichlorobromomethane, CAS: 75-27-4

Signal: 1

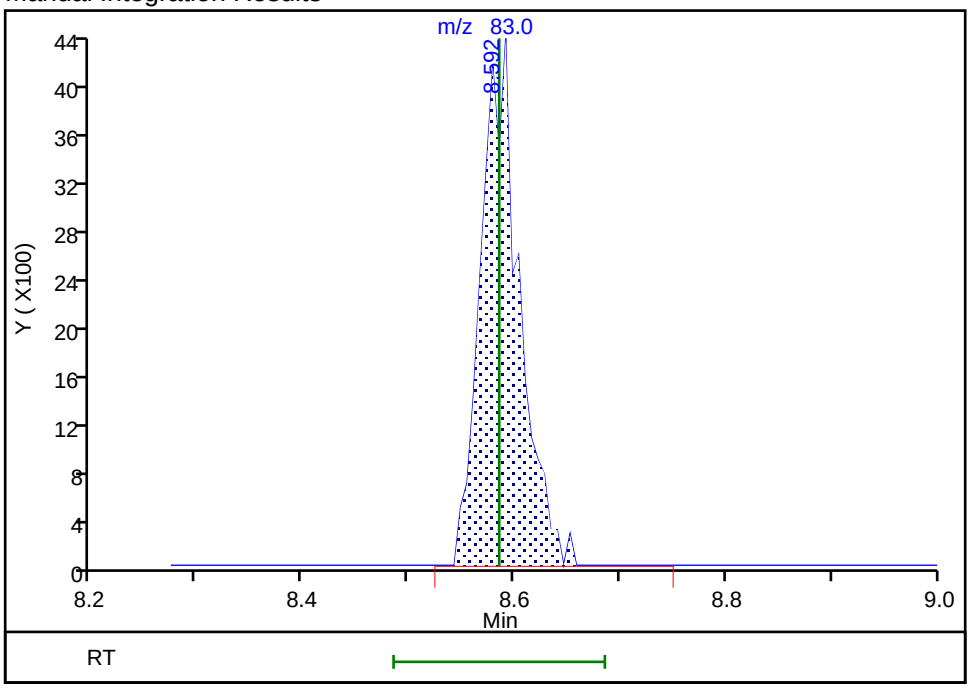
Processing Integration Results

RT: 8.58
Area: 5758
Amount: 0.195215
Amount Units: ug/l



Manual Integration Results

RT: 8.59
Area: 11014
Amount: 0.203763
Amount Units: ug/l



Reviewer: DVW2, 15-Oct-2024 08:18:50 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

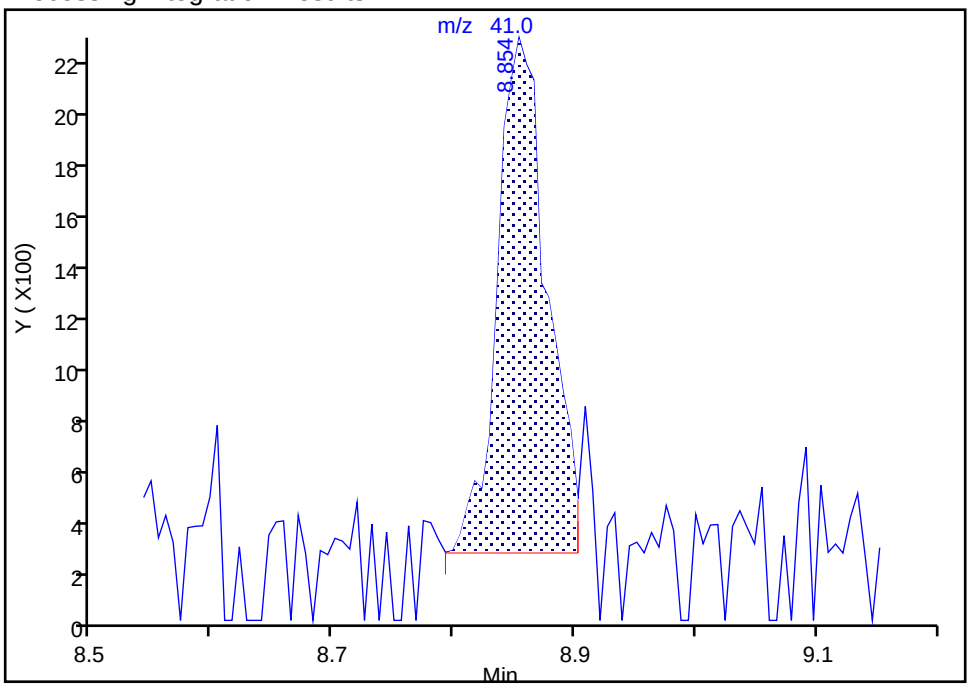
Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X12.D
Injection Date: 14-Oct-2024 21:54:30 Instrument ID: 19094
Lims ID: IC std1 0.2
Client ID:
Operator ID: gaw91131 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

77 2-Nitropropane, CAS: 79-46-9

Signal: 1

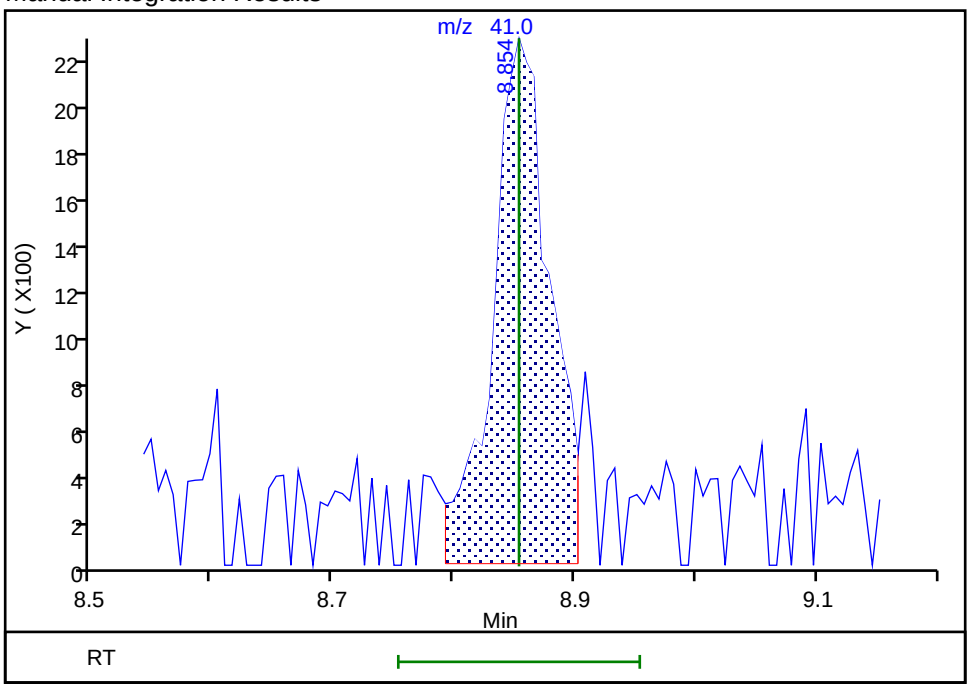
Processing Integration Results

RT: 8.85
Area: 5659
Amount: 1.017405
Amount Units: ug/l



Manual Integration Results

RT: 8.85
Area: 7438
Amount: 1.278812
Amount Units: ug/l



Reviewer: DVW2, 15-Oct-2024 08:18:59 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

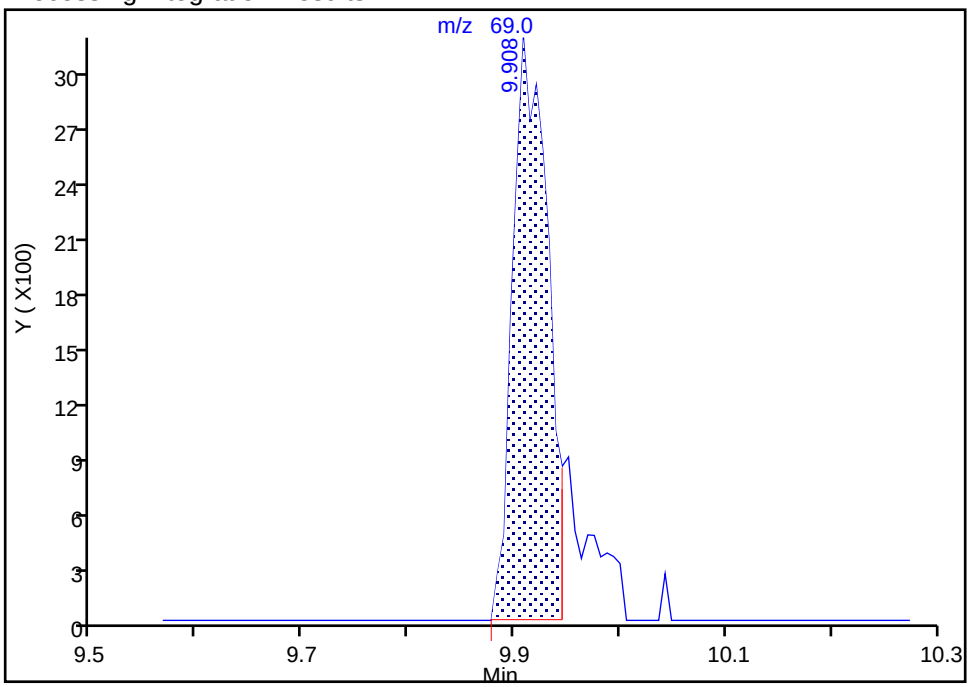
Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X12.D
Injection Date: 14-Oct-2024 21:54:30 Instrument ID: 19094
Lims ID: IC std1 0.2
Client ID:
Operator ID: gaw91131 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

104 Ethyl methacrylate, CAS: 97-63-2

Signal: 1

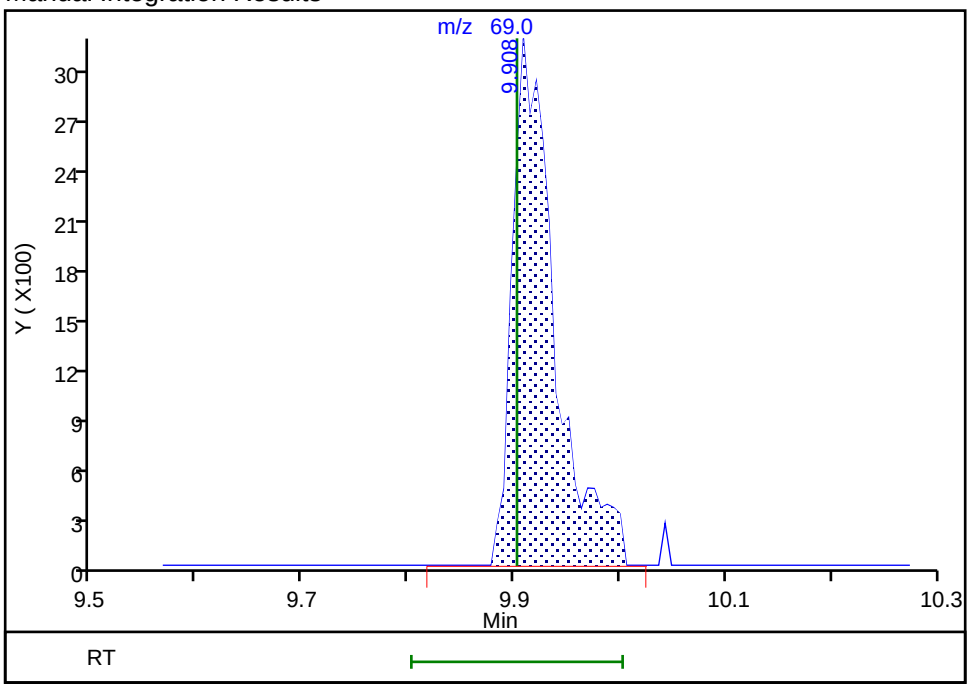
Processing Integration Results

RT: 9.91
Area: 7294
Amount: 0.172286
Amount Units: ug/l



Manual Integration Results

RT: 9.91
Area: 8749
Amount: 0.201702
Amount Units: ug/l



Reviewer: DVW2, 15-Oct-2024 08:19:11 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

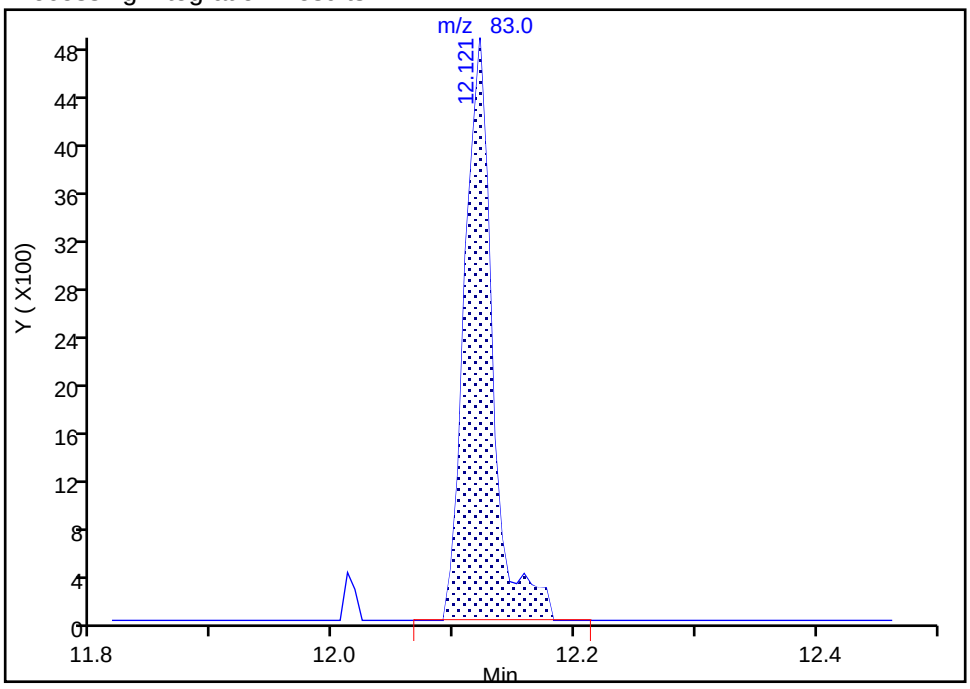
Data File:	\\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X12.D				
Injection Date:	14-Oct-2024 21:54:30	Instrument ID:	19094		
Lims ID:	IC std1 0.2				
Client ID:					
Operator ID:	gaw91131	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

127 1,1,2,2-Tetrachloroethane, CAS: 79-34-5

Signal: 1

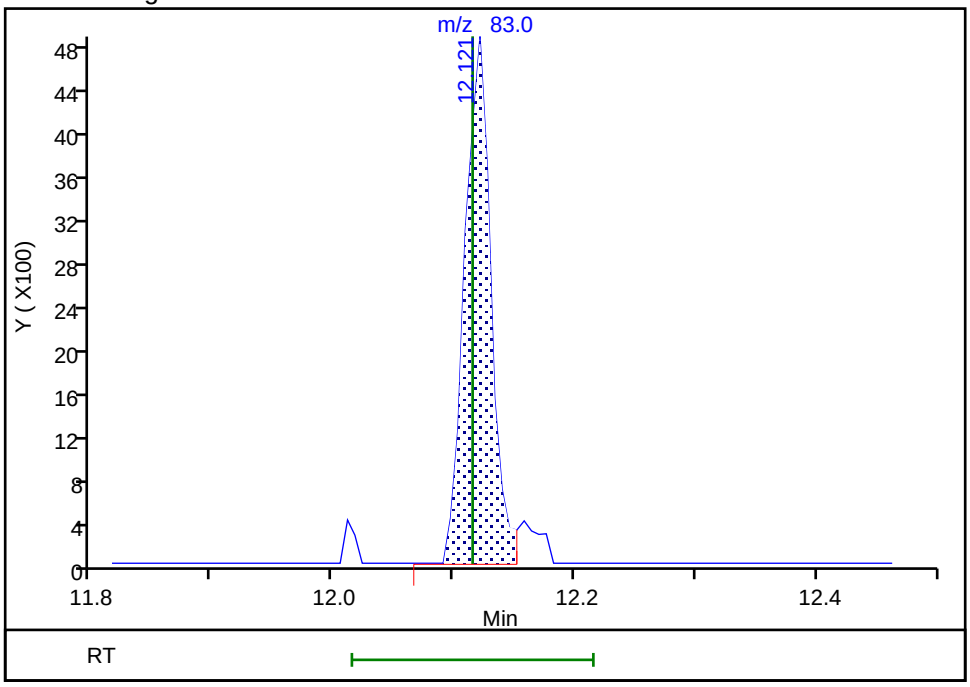
Processing Integration Results

RT: 12.12
Area: 7796
Amount: 0.208976
Amount Units: ug/l



Manual Integration Results

RT: 12.12
Area: 7347
Amount: 0.201288
Amount Units: ug/l



Reviewer: UKEK, 17-Oct-2024 08:52:58 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

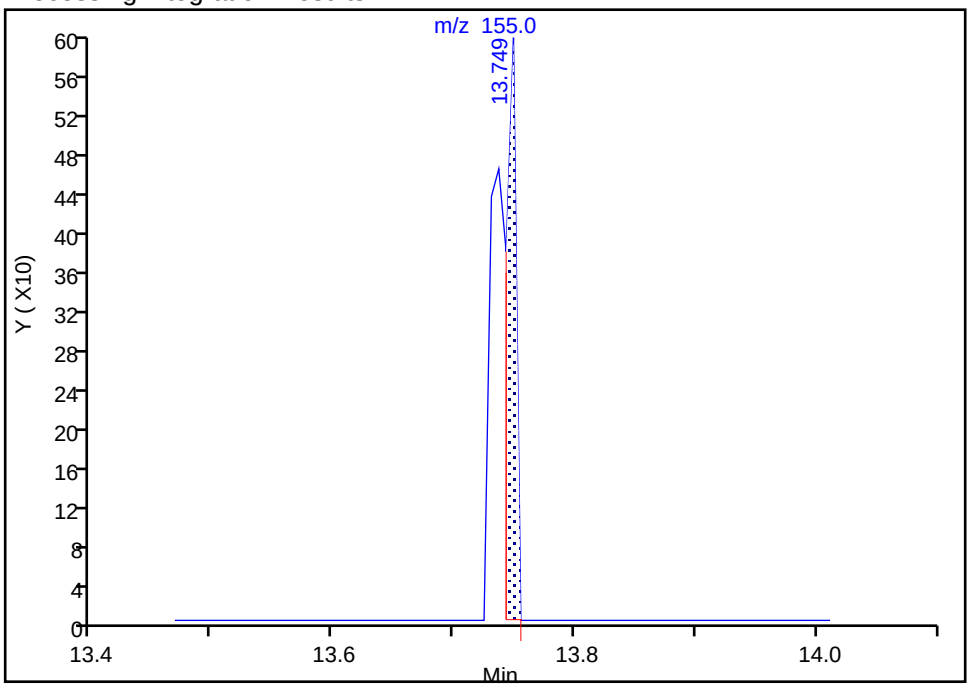
Data File:	\\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X12.D				
Injection Date:	14-Oct-2024 21:54:30	Instrument ID:	19094		
Lims ID:	IC std1 0.2				
Client ID:					
Operator ID:	gaw91131	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

149 1,2-Dibromo-3-Chloropropane, CAS: 96-12-8

Signal: 1

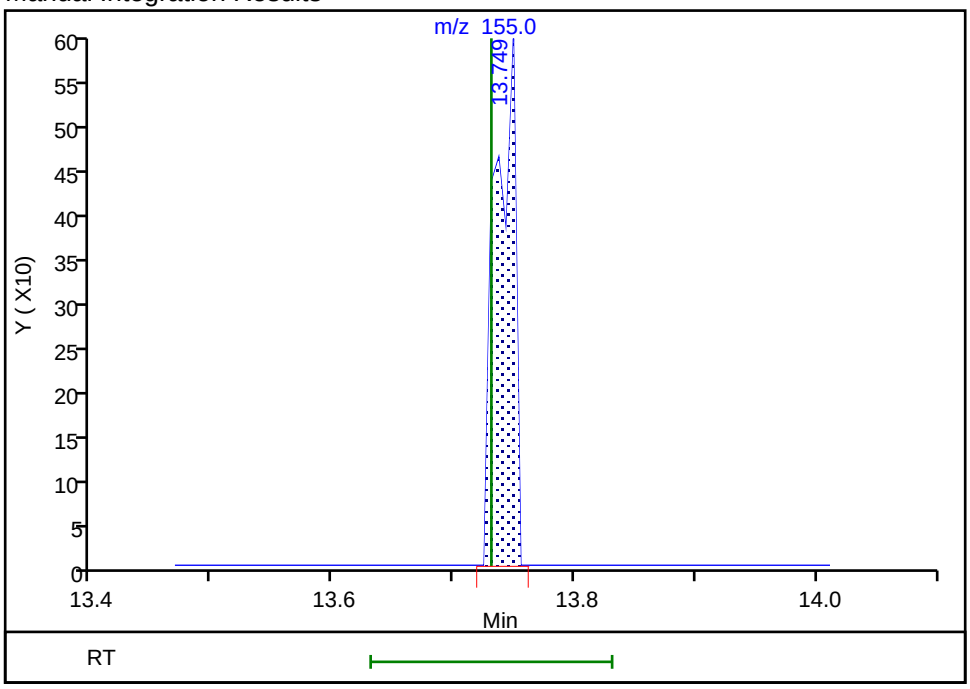
Processing Integration Results

RT: 13.75
Area: 353
Amount: 0.071247
Amount Units: ug/l



Manual Integration Results

RT: 13.75
Area: 678
Amount: 0.140285
Amount Units: ug/l



Reviewer: JS6E, 15-Oct-2024 01:18:50 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X13.D
Lims ID: IC std2 0.5
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 14-Oct-2024 22:15:30 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0127661-014
Misc. Info.: IC std2 0.5
Operator ID: gaw91131 Instrument ID: 19094
Sublist: chrom-MSV_19094_25mL*sub1

Method: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 17-Oct-2024 09:44:11 Calib Date: 15-Oct-2024 00:00:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1693

First Level Reviewer: DVW2 Date: 15-Oct-2024 08:13:41

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.849	1.843	0.006	98	21567	0.5000	0.4756	
5 Chloromethane	50	2.032	2.026	0.006	99	32673	0.5000	0.4829	
7 Butadiene	39	2.136	2.129	0.007	92	33027	0.5000	0.5280	
6 Vinyl chloride	62	2.142	2.135	0.007	88	27866	0.5000	0.4786	
9 Bromomethane	94	2.447	2.440	0.006	90	19078	0.5000	0.4555	
10 Chloroethane	64	2.520	2.507	0.013	99	17188	0.5000	0.4588	
11 Dichlorofluoromethane	67	2.733	2.727	0.006	96	45538	0.5000	0.4747	
12 Trichlorofluoromethane	101	2.812	2.806	0.006	95	30404	0.5000	0.4748	
14 Ethyl ether	59	3.026	3.007	0.019	92	15357	0.4999	0.4886	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.105	3.093	0.012	96	25791	0.5000	0.4781	
16 Acrolein	56	3.190	3.160	0.030	99	112963	25.1	25.3	
17 1,1-Dichloroethene	96	3.306	3.294	0.012	98	20143	0.5000	0.5581	
19 Acetone	43	3.355	3.318	0.037	89	25333	5.00	4.88	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.337	3.330	0.007	92	18072	0.5000	0.5402	
21 Iodomethane	142	3.489	3.477	0.012	97	40505	0.5000	0.5487	
22 Ethyl bromide	108	3.513	3.501	0.012	97	17408	0.5009	0.4968	
23 Carbon disulfide	76	3.599	3.580	0.019	99	62731	0.5000	0.5476	
24 Methyl acetate	43	3.751	3.702	0.049	26	10571	0.5000	0.7433	M
26 3-Chloro-1-propene	41	3.745	3.733	0.012	93	43088	0.5000	0.5692	
27 Methylene Chloride	84	3.916	3.897	0.019	91	22861	0.5000	0.5288	a
* 28 t-Butyl alcohol-d10 (IS)	65	3.916	3.916	0.000	92	93201	50.0	50.0	
29 2-Methyl-2-propanol	59	4.019	4.013	0.006	94	17871	10.0	11.1	
31 Acrylonitrile	53	4.312	4.214	0.098	33	7556	1.25	1.11	M
32 Methyl tert-butyl ether	73	4.282	4.275	0.007	95	53096	0.5000	0.5285	
33 trans-1,2-Dichloroethene	96	4.300	4.294	0.006	97	22522	0.5000	0.5346	
34 Hexane	57	4.720	4.714	0.006	94	29782	0.5000	0.5321	
36 1,1-Dichloroethane	63	4.958	4.946	0.012	96	43786	0.5000	0.5291	
37 Isopropyl ether	45	5.013	5.001	0.012	97	77775	0.5000	0.5185	
38 2-Chloro-1,3-butadiene	53	5.074	5.062	0.012	91	37083	0.5000	0.5388	
40 Tert-butyl ethyl ether	59	5.562	5.549	0.013	98	70129	0.5000	0.5136	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
41 2-Butanone (MEK)	43	5.781	5.751	0.030	100	45641	5.00	5.07	
42 cis-1,2-Dichloroethene	96	5.800	5.793	0.007	84	26574	0.5000	0.5404	
43 2,2-Dichloropropane	77	5.818	5.805	0.013	69	37366	0.5000	0.5438	
44 Propionitrile	54	5.897	5.836	0.061	98	22741	10.0	9.31	M
47 Methacrylonitrile	67	6.086	6.055	0.031	92	45501	5.00	4.63	
48 Chlorobromomethane	128	6.141	6.129	0.012	94	10278	0.5000	0.5145	
49 Tetrahydrofuran	71	6.184	6.141	0.043	84	6416	2.50	2.54	
S 46 1,2-Dichloroethene, Total	100				0			1.08	
50 Chloroform	83	6.293	6.281	0.012	93	41903	0.5000	0.5385	
$ 52 Dibromofluoromethane (Surr)	113	6.507	6.500	0.007	94	484670	10.0	10.0	
53 1,1,1-Trichloroethane	97	6.513	6.513	0.000	52	37140	0.5000	0.5609	
54 Cyclohexane	56	6.629	6.622	0.007	92	38827	0.5000	0.5381	
56 Carbon tetrachloride	117	6.732	6.732	0.000	85	29265	0.5000	0.5301	
55 1,1-Dichloropropene	75	6.738	6.732	0.006	94	33074	0.5000	0.5326	
57 Isobutyl alcohol	41	6.897	6.885	0.012	93	12992	25.0	22.0	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.970	6.964	0.006	88	96249	10.0	9.78	
59 Benzene	78	7.001	6.994	0.006	97	102534	0.5000	0.5368	
60 1,2-Dichloroethane	62	7.068	7.067	0.001	96	23003	0.5000	0.5128	
63 Tert-amyl methyl ether	73	7.196	7.195	0.001	98	57966	0.5000	0.5117	
* 64 Fluorobenzene (IS)	96	7.409	7.409	0.000	98	2073531	10.0	10.0	
65 n-Heptane	43	7.433	7.427	0.006	37	27913	0.5000	0.5070	
67 n-Butanol	56	7.848	7.787	0.061	22	15258	43.8	37.2	Ma
68 Trichloroethene	95	7.909	7.897	0.012	98	25768	0.5000	0.5397	
69 Methylcyclohexane	83	8.220	8.214	0.006	92	35716	0.5000	0.5187	
70 1,2-Dichloropropane	63	8.238	8.232	0.006	95	25855	0.5000	0.5346	
71 2-ethoxy-2-methyl butane	87	8.256	8.250	0.006	90	36736	0.5000	0.5120	
73 1,4-Dioxane	88	8.366	8.329	0.037	30	1538	25.0	21.1	M
72 Methyl methacrylate	69	8.336	8.329	0.007	94	9265	0.5000	0.4996	
74 Dibromomethane	93	8.348	8.348	0.000	95	9738	0.5000	0.4811	
76 Dichlorobromomethane	83	8.592	8.585	0.007	98	26870	0.5000	0.4993	
77 2-Nitropropane	41	8.854	8.854	0.000	97	15615	2.50	2.58	
79 1-Bromo-2-chloroethane	63	8.994	8.988	0.006	98	20825	0.5000	0.4690	
80 cis-1,3-Dichloropropene	75	9.159	9.152	0.007	95	32649	0.5000	0.4799	
82 4-Methyl-2-pentanone (MIBK)	43	9.335	9.335	0.000	97	127024	5.00	5.12	
$ 83 Toluene-d8 (Surr)	98	9.482	9.475	0.007	93	2030189	10.0	10.0	
84 Toluene	92	9.561	9.561	0.000	98	61898	0.5000	0.5320	
85 trans-1,3-Dichloropropene	75	9.848	9.835	0.013	95	25599	0.5000	0.4785	
104 Ethyl methacrylate	69	9.908	9.902	0.006	90	19501	0.5000	0.4543	
106 1,1,2-Trichloroethane	97	10.049	10.042	0.007	90	15107	0.5000	0.5127	
S 105 1,3-Dichloropropene, Total	100				0			0.9584	
107 Tetrachloroethene	166	10.134	10.134	0.000	97	27463	0.5000	0.5229	
108 1,3-Dichloropropane	76	10.213	10.213	0.000	92	26623	0.5000	0.5152	
109 2-Hexanone	43	10.274	10.268	0.006	97	76948	5.00	4.84	
111 Chlorodibromomethane	129	10.439	10.433	0.006	92	16559	0.5000	0.4727	
112 Ethylene Dibromide	107	10.549	10.548	0.001	97	13562	0.5000	0.5048	
* 113 Chlorobenzene-d5 (IS)	117	10.994	10.993	0.001	86	1477383	10.0	10.0	
114 1-Chlorohexane	91	11.012	11.006	0.006	97	37159	0.5000	0.5625	
115 Chlorobenzene	112	11.018	11.018	0.000	96	63954	0.5000	0.5100	
116 1,1,1,2-Tetrachloroethane	131	11.103	11.103	0.000	95	21463	0.5000	0.4933	
117 Ethylbenzene	91	11.116	11.109	0.007	98	117851	0.5000	0.5214	
119 m-Xylene & p-Xylene	106	11.231	11.225	0.006	100	92806	1.00	1.06	
S 118 Xylenes, Total	106				0			1.58	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
120 o-Xylene	106	11.567	11.560	0.007	96	44278	0.5000	0.5205	
121 Styrene	104	11.585	11.579	0.006	95	71046	0.5000	0.5145	
122 Bromoform	173	11.737	11.737	0.000	96	9354	0.5000	0.4807	
123 Isopropylbenzene	105	11.872	11.871	0.001	95	107073	0.5000	0.5335	
$ 126 4-Bromofluorobenzene (Surr)	95	12.018	12.012	0.006	92	720078	10.0	9.92	
127 1,1,2,2-Tetrachloroethane	83	12.121	12.115	0.006	93	18922	0.5000	0.5161	
128 Bromobenzene	156	12.134	12.134	0.000	97	27858	0.5000	0.5251	
129 trans-1,4-Dichloro-2-butene	53	12.146	12.140	0.006	89	40242	5.00	4.82	
130 1,2,3-Trichloropropane	110	12.170	12.164	0.006	72	4649	0.5000	0.5220	
131 N-Propylbenzene	91	12.207	12.201	0.006	99	138204	0.5000	0.5168	
132 2-Chlorotoluene	126	12.280	12.280	0.000	96	27162	0.5000	0.5177	
133 1,3,5-Trimethylbenzene	105	12.347	12.341	0.006	94	97607	0.5000	0.5184	
134 4-Chlorotoluene	126	12.378	12.371	0.007	96	27381	0.5000	0.5093	
135 tert-Butylbenzene	134	12.585	12.585	0.000	94	22234	0.5000	0.5188	
136 Pentachloroethane	167	12.615	12.615	0.000	88	15869	0.5000	0.4665	
137 1,2,4-Trimethylbenzene	105	12.634	12.627	0.007	97	97928	0.5000	0.5101	
138 sec-Butylbenzene	105	12.749	12.749	0.000	94	123718	0.5000	0.5148	
139 1,3-Dichlorobenzene	146	12.853	12.847	0.006	98	53238	0.5000	0.5107	
140 4-Isopropyltoluene	119	12.865	12.859	0.006	97	108203	0.5000	0.5129	
* 141 1,4-Dichlorobenzene-d4	152	12.908	12.908	0.000	94	837428	10.0	10.0	
142 1,4-Dichlorobenzene	146	12.926	12.926	0.000	96	56410	0.5000	0.5302	
143 1,2,3-Trimethylbenzene	120	12.938	12.932	0.006	97	45696	0.5000	0.5273	
144 Benzyl chloride	126	13.005	12.999	0.006	98	7112	0.5000	0.4803	
145 p-Diethylbenzene	119	13.140	13.133	0.007	95	65501	0.5000	0.5158	
146 n-Butylbenzene	92	13.158	13.158	0.000	97	48279	0.5000	0.4958	
147 1,2-Dichlorobenzene	146	13.188	13.182	0.006	99	45745	0.5000	0.4916	
149 1,2-Dibromo-3-Chloropropane	155	13.737	13.731	0.006	79	2227	0.5000	0.4587	
150 1,3,5-Trichlorobenzene	180	13.865	13.859	0.006	97	39214	0.5000	0.5068	
151 1,2,4-Trichlorobenzene	180	14.286	14.286	0.000	94	32374	0.5000	0.4872	
152 Hexachlorobutadiene	225	14.365	14.371	-0.006	95	13833	0.5000	0.5154	
153 Naphthalene	128	14.469	14.462	0.007	96	56581	0.5000	0.4934	
154 1,2,3-Trichlorobenzene	180	14.609	14.603	0.006	96	28618	0.5000	0.4971	
157 Pentane	43		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_LL_#1_826_00150	Amount Added:	2.00	Units: uL	
MSV_LL_GAS826_00238	Amount Added:	2.00	Units: uL	
MSV_LL_#2_826_00157	Amount Added:	2.00	Units: uL	
MSV_LLcentISS_00014	Amount Added:	5.00	Units: uL	Run Reagent

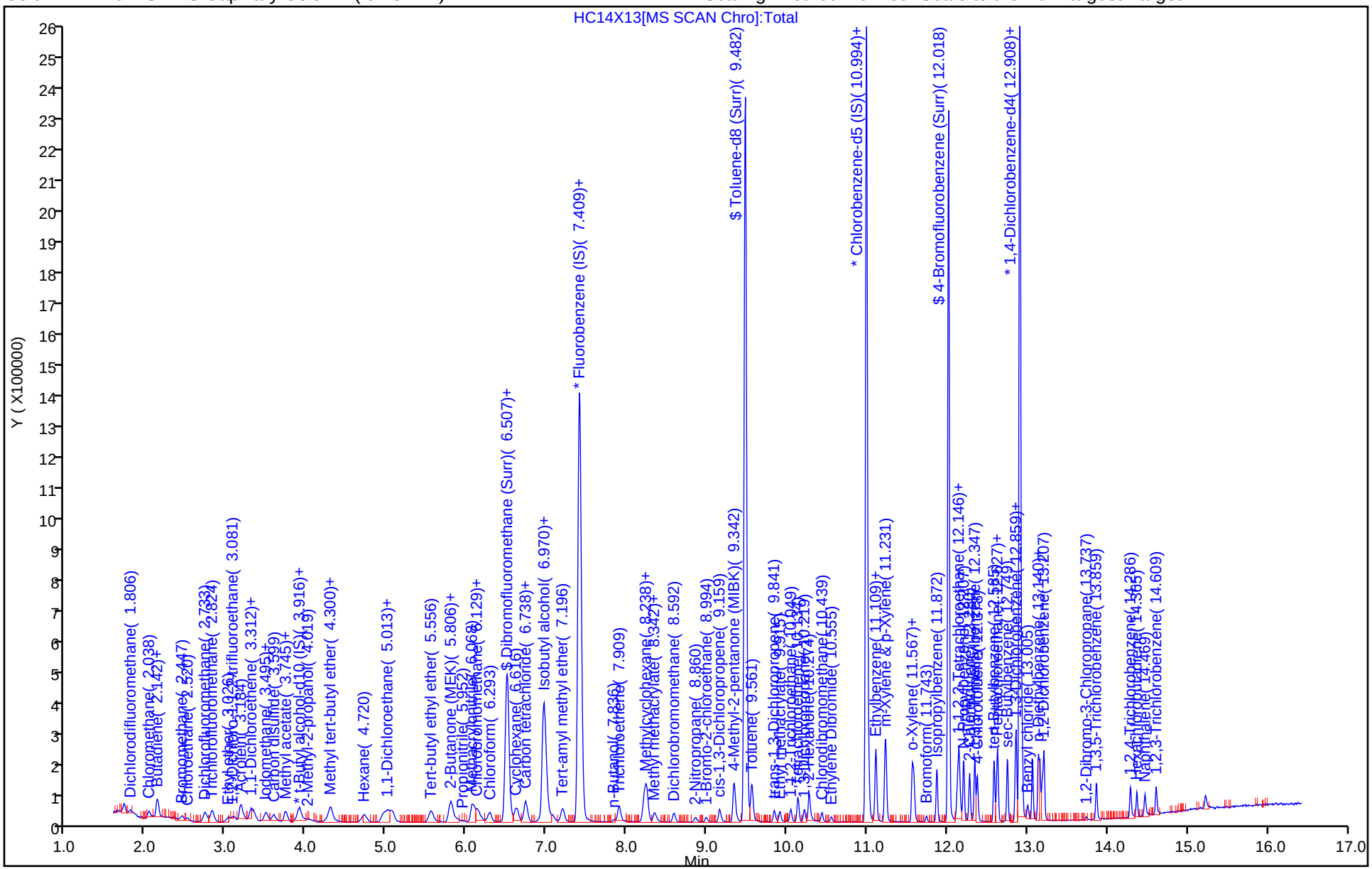
Report Date: 17-Oct-2024 09:44:11 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X13.D

Injection Date:	14-Oct-2024 22:15:30	Instrument ID:	19094	Operator ID:	gaw91131
Lims ID:	IC std2 0.5			Worklist Smp#:	14
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

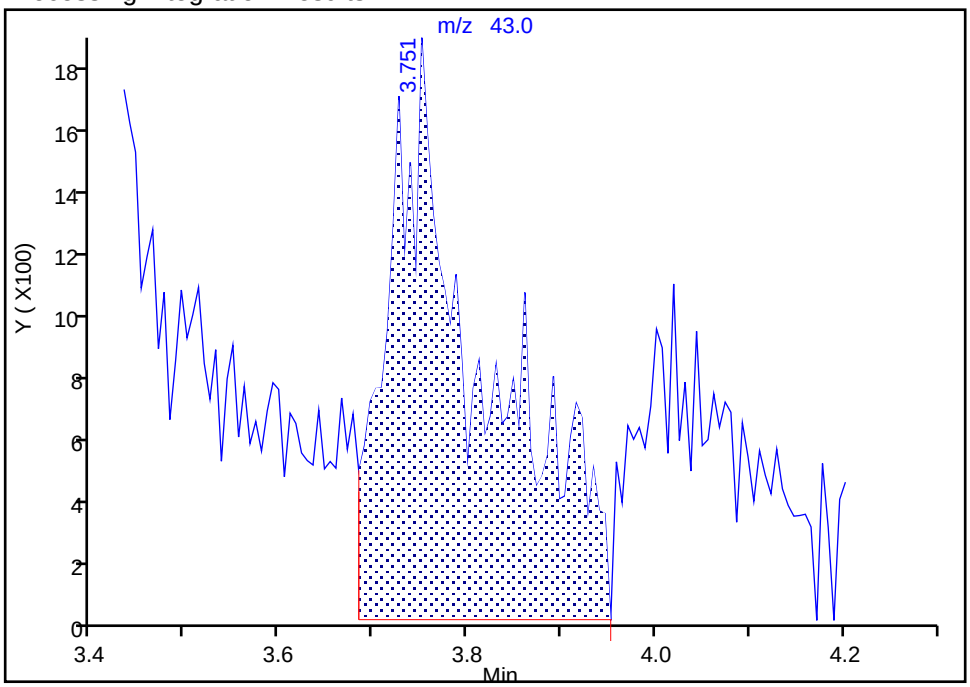
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Lims ID:	IC std2 0.5				
Client ID:					
Operator ID:	gaw91131	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

24 Methyl acetate, CAS: 79-20-9

Signal: 1

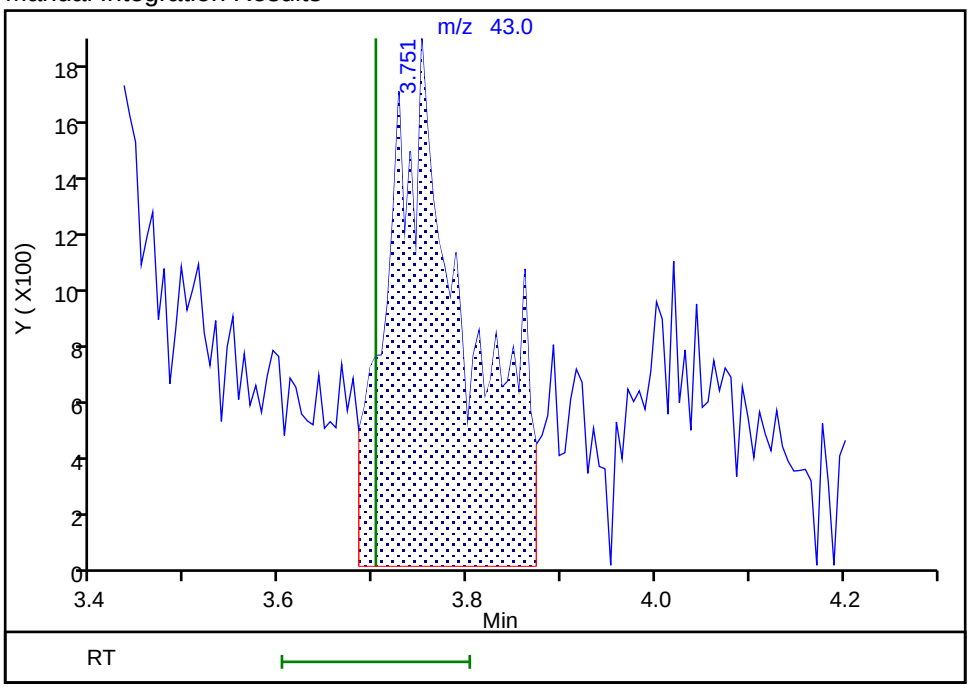
Processing Integration Results

RT: 3.75
Area: 12726
Amount: 0.786963
Amount Units: ug/l



Manual Integration Results

RT: 3.75
Area: 10571
Amount: 0.743343
Amount Units: ug/l



Reviewer: DVW2, 15-Oct-2024 08:13:16 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

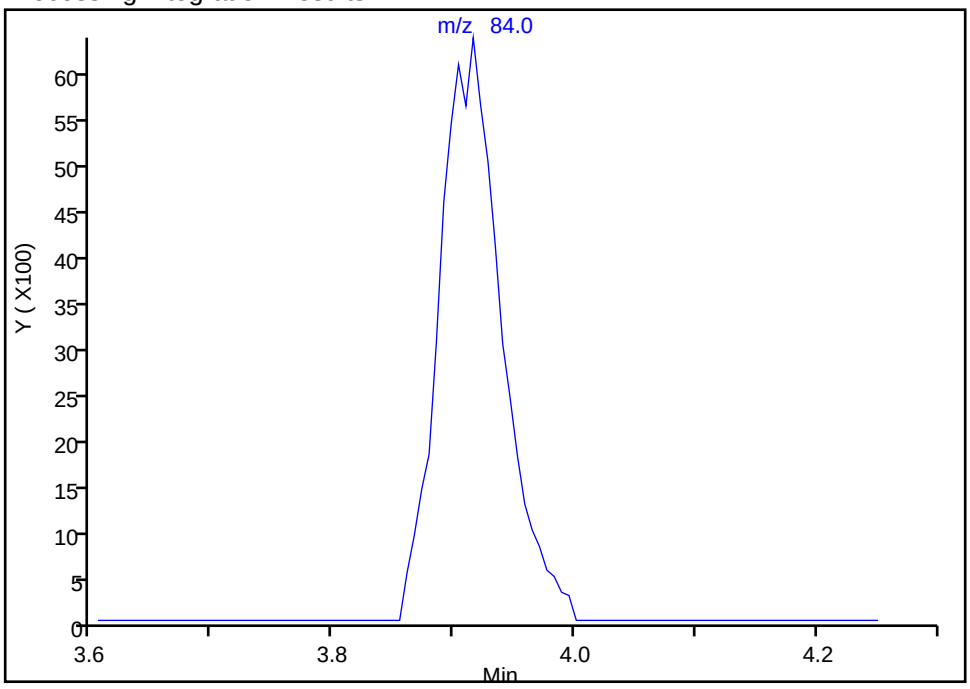
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Injection Date:	14-Oct-2024 22:15:30	Instrument ID:	19094		
Lims ID:	IC std2 0.5				
Client ID:					
Operator ID:	gaw91131	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

27 Methylene Chloride, CAS: 75-09-2

Signal: 1

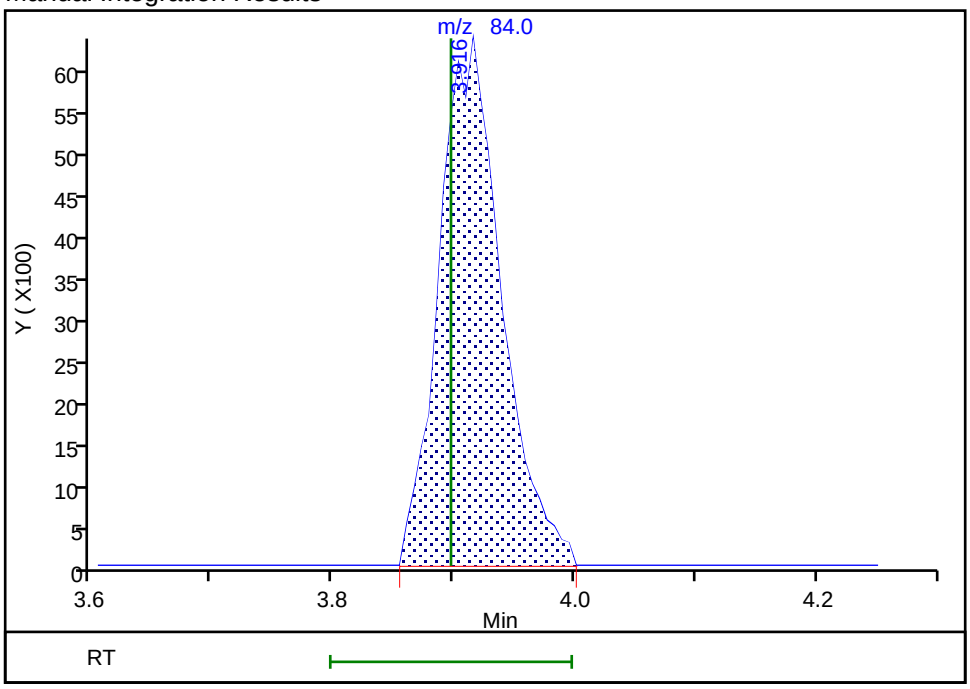
Not Detected
Expected RT: 3.90

Processing Integration Results



Manual Integration Results

RT: 3.92
Area: 22861
Amount: 0.528803
Amount Units: ug/l



Reviewer: DVW2, 15-Oct-2024 08:13:00 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

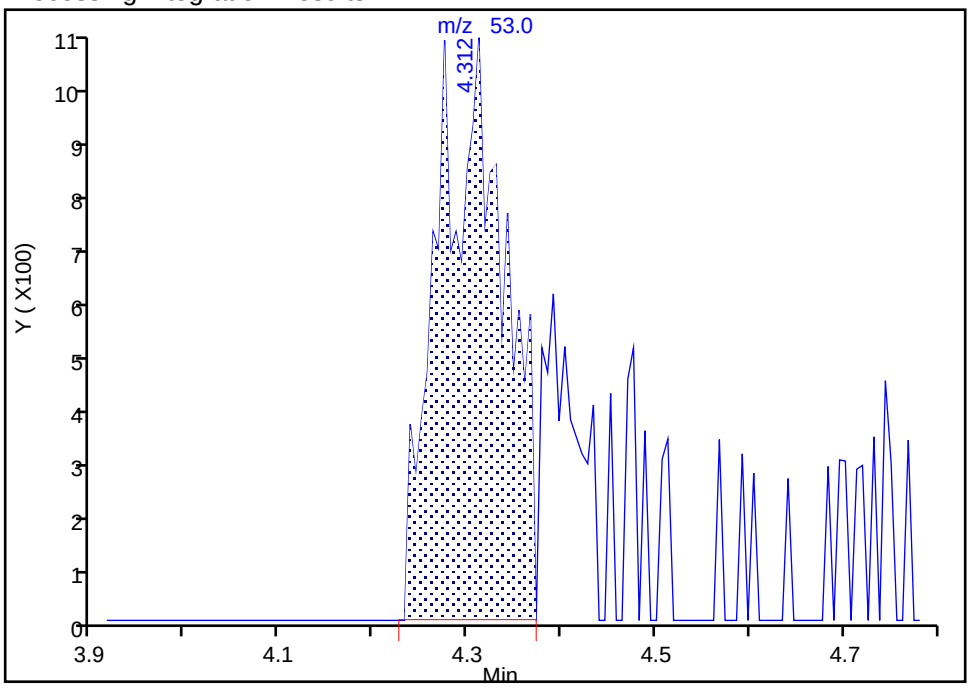
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Injection Date: 14-Oct-2024 22:15:30 Instrument ID: 19094
Lims ID: IC std2 0.5
Client ID:
Operator ID: gaw91131 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

31 Acrylonitrile, CAS: 107-13-1

Signal: 1

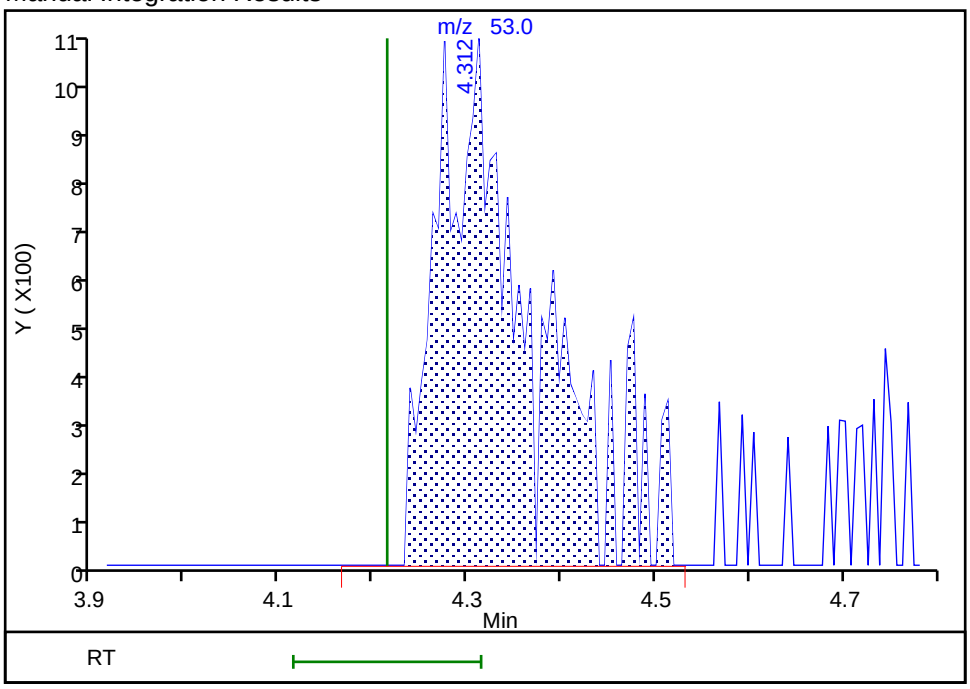
Processing Integration Results

RT: 4.31
Area: 5216
Amount: 0.766881
Amount Units: ug/l



Manual Integration Results

RT: 4.31
Area: 7556
Amount: 1.110919
Amount Units: ug/l



Reviewer: DVW2, 15-Oct-2024 08:13:29 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

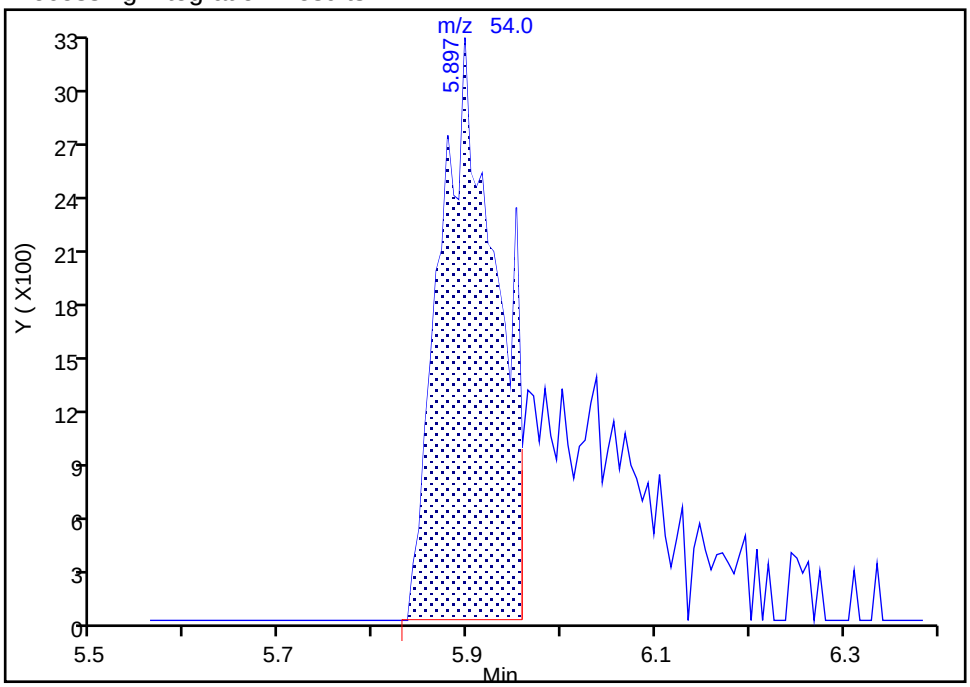
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Injection Date: 14-Oct-2024 22:15:30 Instrument ID: 19094
Lims ID: IC std2 0.5
Client ID:
Operator ID: gaw91131 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

44 Propionitrile, CAS: 107-12-0

Signal: 1

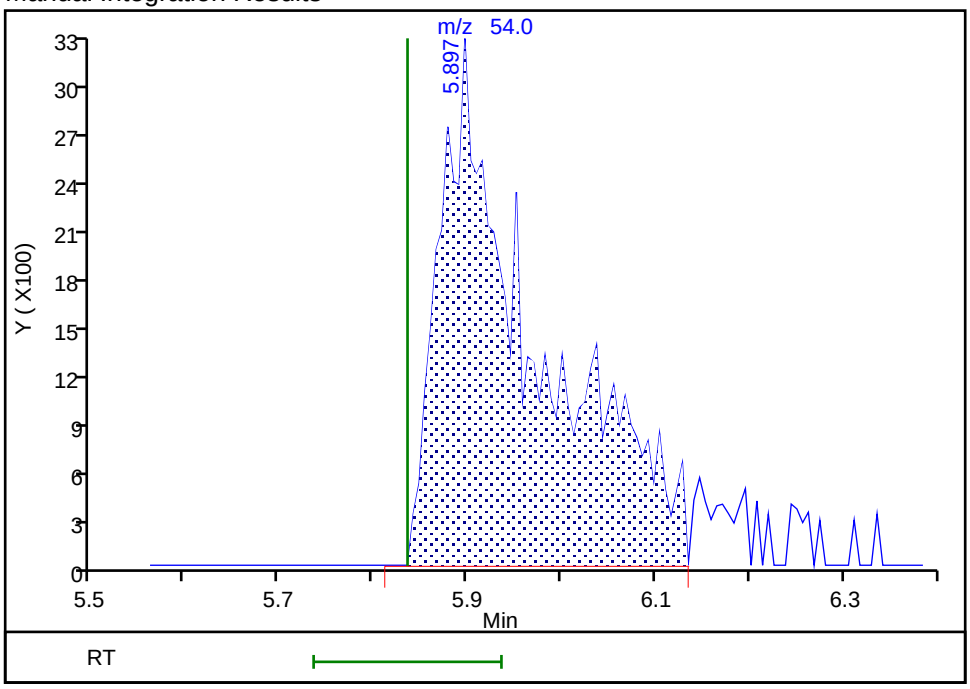
Processing Integration Results

RT: 5.90
Area: 13592
Amount: 6.630356
Amount Units: ug/l



Manual Integration Results

RT: 5.90
Area: 22741
Amount: 9.306624
Amount Units: ug/l



Reviewer: DVW2, 15-Oct-2024 08:13:37 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

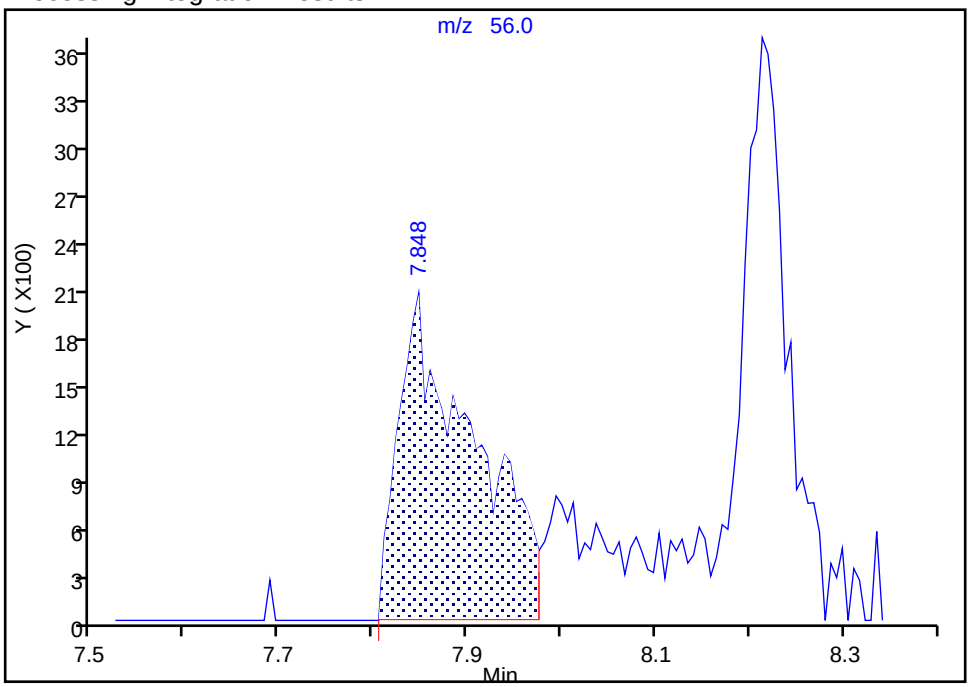
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Lims ID:	IC std2 0.5				
Client ID:					
Operator ID:	gaw91131	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

67 n-Butanol, CAS: 71-36-3

Signal: 1

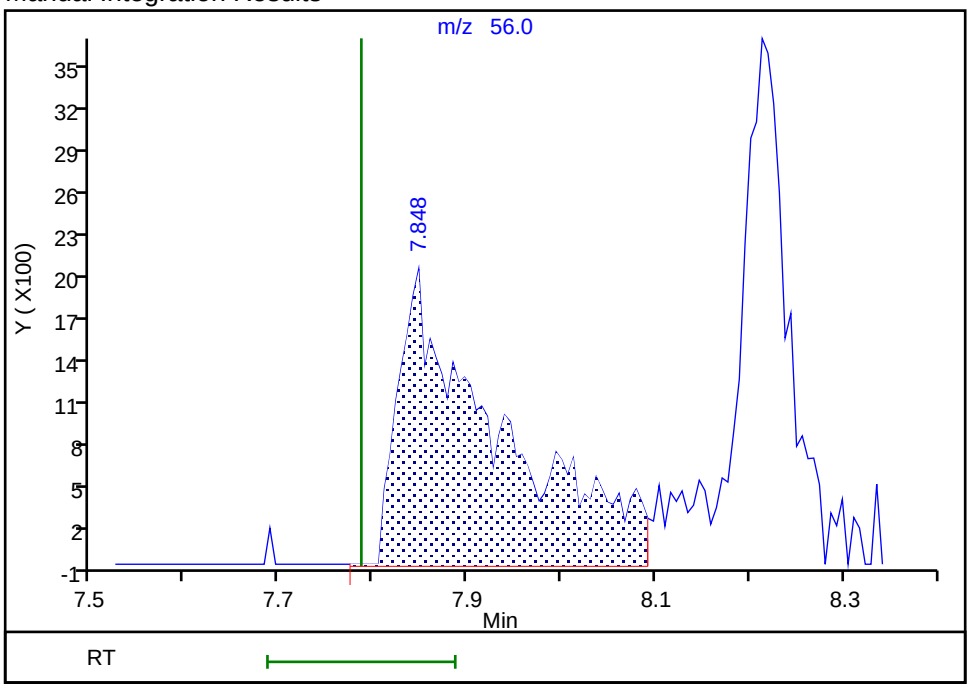
Processing Integration Results

RT: 7.85
Area: 11527
Amount: 46.713353
Amount Units: ug/l



Manual Integration Results

RT: 7.85
Area: 15258
Amount: 37.224647
Amount Units: ug/l



Reviewer: DVW2, 15-Oct-2024 08:16:17 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

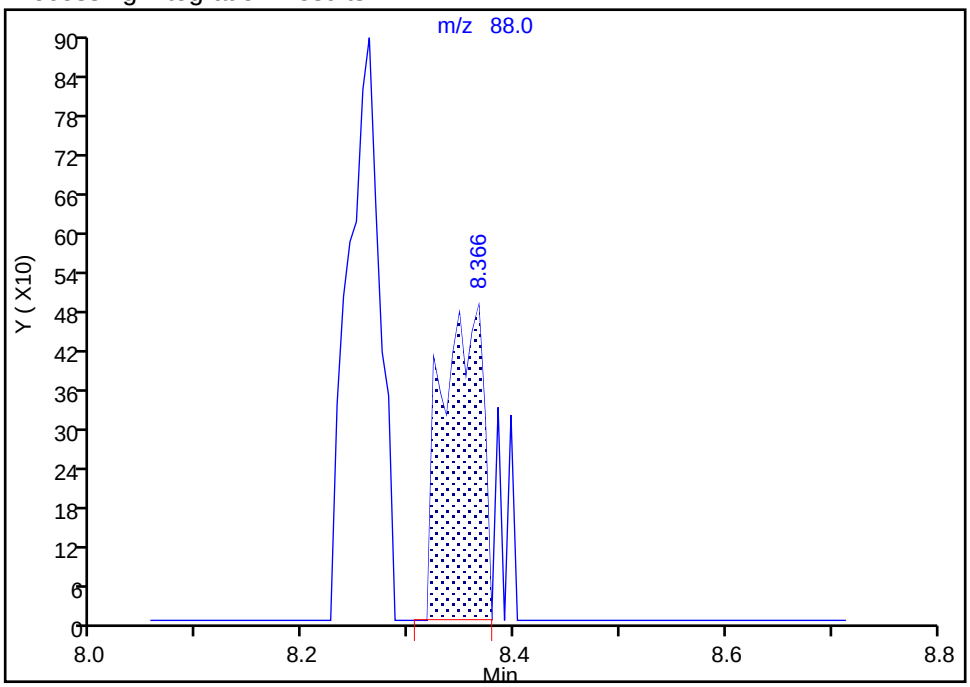
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Lims ID:	IC std2 0.5				
Client ID:					
Operator ID:	gaw91131	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

73 1,4-Dioxane, CAS: 123-91-1

Signal: 1

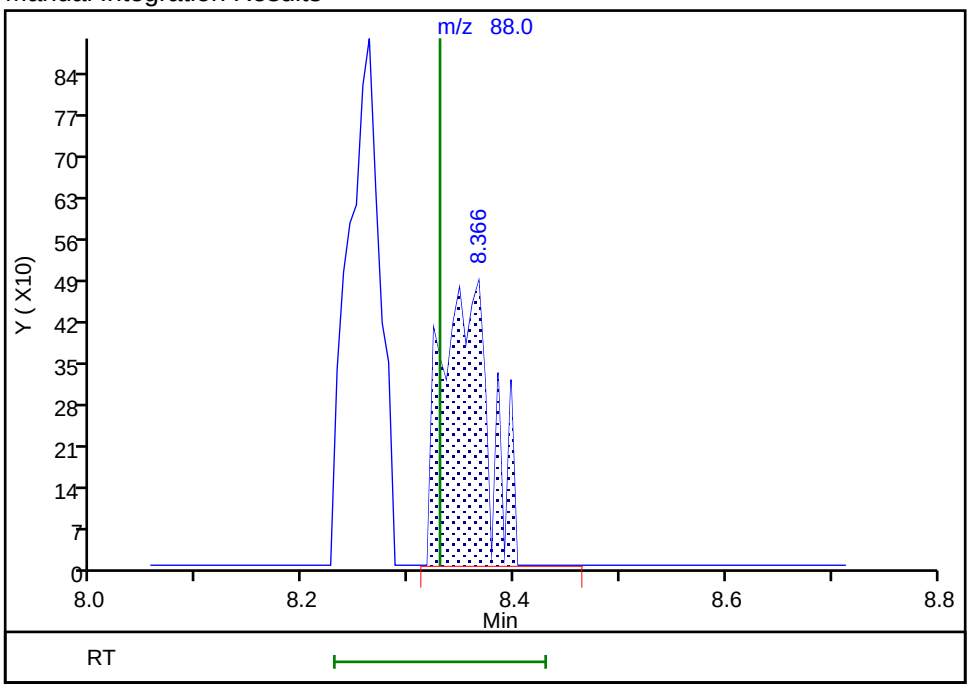
Processing Integration Results

RT: 8.37
Area: 1303
Amount: 36.592664
Amount Units: ug/l



Manual Integration Results

RT: 8.37
Area: 1538
Amount: 21.068628
Amount Units: ug/l



Reviewer: DVW2, 15-Oct-2024 08:16:23 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X14.D
Lims ID: IC std3 1
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 14-Oct-2024 22:36:30 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0127661-015
Misc. Info.: IC std3 1
Operator ID: gaw91131 Instrument ID: 19094
Sublist: chrom-MSV_19094_25mL*sub1

Method: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 17-Oct-2024 09:44:16 Calib Date: 15-Oct-2024 00:00:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1693

First Level Reviewer: DVW2 Date: 15-Oct-2024 08:12:42

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.855	1.843	0.012	100	49965	1.00	1.11	
5 Chloromethane	50	2.038	2.026	0.012	99	68036	1.00	1.01	
7 Butadiene	39	2.142	2.129	0.013	93	64577	1.00	1.04	
6 Vinyl chloride	62	2.148	2.135	0.013	91	60425	1.00	1.04	M
9 Bromomethane	94	2.453	2.440	0.013	90	43609	1.00	1.05	
10 Chloroethane	64	2.520	2.507	0.013	99	38112	1.00	1.02	
11 Dichlorofluoromethane	67	2.739	2.727	0.012	97	97645	1.00	1.02	
12 Trichlorofluoromethane	101	2.812	2.806	0.006	78	67859	1.00	1.06	
14 Ethyl ether	59	3.026	3.007	0.019	91	28188	1.00	0.9009	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.093	3.093	0.000	94	56305	1.00	1.05	
16 Acrolein	56	3.184	3.160	0.024	99	199925	50.1	41.6	
17 1,1-Dichloroethene	96	3.312	3.294	0.018	98	32718	1.00	0.9107	
19 Acetone	43	3.343	3.318	0.025	98	59508	10.0	10.7	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.343	3.330	0.013	92	32133	1.00	0.9649	
21 Iodomethane	142	3.489	3.477	0.012	97	63529	1.00	0.8645	
22 Ethyl bromide	108	3.513	3.501	0.012	98	31751	1.00	0.9103	
23 Carbon disulfide	76	3.593	3.580	0.013	98	99227	1.00	0.8701	
24 Methyl acetate	43	3.751	3.702	0.049	25	10357	1.00	0.6770	
26 3-Chloro-1-propene	41	3.745	3.733	0.012	94	62901	1.00	0.8347	
27 Methylene Chloride	84	3.922	3.897	0.025	97	36646	1.00	0.8516	
* 28 t-Butyl alcohol-d10 (IS)	65	3.922	3.916	0.006	96	100267	50.0	50.0	
29 2-Methyl-2-propanol	59	4.031	4.013	0.018	95	25850	20.0	15.0	
31 Acrylonitrile	53	4.288	4.214	0.074	20	14124	2.50	1.93	M
32 Methyl tert-butyl ether	73	4.288	4.275	0.013	90	86964	1.00	0.8695	
33 trans-1,2-Dichloroethene	96	4.312	4.294	0.018	98	36943	1.00	0.8810	
34 Hexane	57	4.720	4.714	0.006	94	50580	1.00	0.9078	
36 1,1-Dichloroethane	63	4.964	4.946	0.018	95	72166	1.00	0.8760	
37 Isopropyl ether	45	5.019	5.001	0.018	96	126443	1.00	0.8469	
38 2-Chloro-1,3-butadiene	53	5.080	5.062	0.018	90	58676	1.00	0.8564	
40 Tert-butyl ethyl ether	59	5.562	5.549	0.013	98	117721	1.00	0.8661	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
41 2-Butanone (MEK)	43	5.781	5.751	0.030	98	76622	10.0	7.90	
42 cis-1,2-Dichloroethene	96	5.806	5.793	0.013	83	41408	1.00	0.8459	
43 2,2-Dichloropropane	77	5.812	5.805	0.007	66	59622	1.00	0.8716	
44 Propionitrile	54	5.873	5.836	0.037	98	41913	20.0	15.9	M
47 Methacrylonitrile	67	6.074	6.055	0.019	93	88231	10.0	8.35	
48 Chlorobromomethane	128	6.135	6.129	0.006	94	16806	1.00	0.8451	
49 Tetrahydrofuran	71	6.165	6.141	0.024	82	12390	5.00	4.55	
S 46 1,2-Dichloroethene, Total	100				0			1.73	
50 Chloroform	83	6.293	6.281	0.012	94	65085	1.00	0.8403	
$ 52 Dibromofluoromethane (Surr)	113	6.513	6.500	0.013	94	477492	10.0	9.92	
53 1,1,1-Trichloroethane	97	6.519	6.513	0.006	93	56864	1.00	0.8627	
54 Cyclohexane	56	6.629	6.622	0.007	91	67470	1.00	0.9394	
56 Carbon tetrachloride	117	6.732	6.732	0.000	89	47554	1.00	0.8654	
55 1,1-Dichloropropene	75	6.744	6.732	0.012	93	53100	1.00	0.8590	
57 Isobutyl alcohol	41	6.897	6.885	0.012	88	27194	50.0	42.8	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.970	6.964	0.006	78	98967	10.0	10.1	
59 Benzene	78	7.000	6.994	0.006	92	160700	1.00	0.8452	
60 1,2-Dichloroethane	62	7.067	7.067	0.000	87	37135	1.00	0.8316	
63 Tert-amyl methyl ether	73	7.195	7.195	0.000	98	95328	1.00	0.8453	
* 64 Fluorobenzene (IS)	96	7.415	7.409	0.006	98	2064073	10.0	10.0	
65 n-Heptane	43	7.433	7.427	0.006	90	48417	1.00	0.8834	
67 n-Butanol	56	7.836	7.787	0.049	88	30960	87.5	70.2	M
68 Trichloroethene	95	7.909	7.897	0.012	98	39022	1.00	0.8210	
69 Methylcyclohexane	83	8.220	8.214	0.006	93	63056	1.00	0.9200	
70 1,2-Dichloropropane	63	8.238	8.232	0.006	74	41176	1.00	0.8553	
71 2-ethoxy-2-methyl butane	87	8.256	8.250	0.006	93	60588	1.00	0.8484	
73 1,4-Dioxane	88	8.342	8.329	0.013	34	2961	50.0	37.7	
72 Methyl methacrylate	69	8.336	8.329	0.007	87	16898	1.00	0.8469	
74 Dibromomethane	93	8.348	8.348	0.000	96	16773	1.00	0.8324	
76 Dichlorobromomethane	83	8.585	8.585	0.000	99	44532	1.00	0.8313	
77 2-Nitropropane	41	8.854	8.854	0.000	99	25943	5.00	3.99	
79 1-Bromo-2-chloroethane	63	8.988	8.988	0.000	98	39687	1.00	0.8978	
80 cis-1,3-Dichloropropene	75	9.159	9.152	0.007	95	58115	1.00	0.8581	
82 4-Methyl-2-pentanone (MIBK)	43	9.341	9.335	0.006	97	220295	10.0	8.26	
$ 83 Toluene-d8 (Surr)	98	9.482	9.475	0.007	93	2028126	10.0	9.97	
84 Toluene	92	9.561	9.561	0.000	98	98875	1.00	0.8458	
85 trans-1,3-Dichloropropene	75	9.841	9.835	0.006	92	46012	1.00	0.8561	
104 Ethyl methacrylate	69	9.914	9.902	0.012	90	36411	1.00	0.8443	
106 1,1,2-Trichloroethane	97	10.049	10.042	0.007	91	25051	1.00	0.8463	
S 105 1,3-Dichloropropene, Total	100				0			1.71	
107 Tetrachloroethene	166	10.140	10.134	0.006	98	44901	1.00	0.8510	
108 1,3-Dichloropropane	76	10.213	10.213	0.000	90	44491	1.00	0.8570	
109 2-Hexanone	43	10.274	10.268	0.006	98	141896	10.0	8.30	
111 Chlorodibromomethane	129	10.439	10.433	0.006	89	28920	1.00	0.8218	
112 Ethylene Dibromide	107	10.549	10.548	0.000	98	23310	1.00	0.8636	
* 113 Chlorobenzene-d5 (IS)	117	10.994	10.993	0.001	86	1484269	10.0	10.0	
114 1-Chlorohexane	91	11.006	11.006	0.000	97	56103	1.00	0.8453	
115 Chlorobenzene	112	11.018	11.018	0.000	94	106552	1.00	0.8457	
116 1,1,1,2-Tetrachloroethane	131	11.103	11.103	0.000	96	37034	1.00	0.8473	
117 Ethylbenzene	91	11.109	11.109	0.000	99	192893	1.00	0.8495	
119 m-Xylene & p-Xylene	106	11.231	11.225	0.006	100	146018	2.00	1.66	
S 118 Xylenes, Total	106				0			2.51	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
120 o-Xylene	106	11.567	11.560	0.007	96	72571	1.00	0.8491	
121 Styrene	104	11.585	11.579	0.006	95	115032	1.00	0.8292	
122 Bromoform	173	11.743	11.737	0.006	96	15852	1.00	0.8108	
123 Isopropylbenzene	105	11.871	11.871	0.000	96	169283	1.00	0.8396	
$ 126 4-Bromofluorobenzene (Surr)	95	12.018	12.012	0.006	91	732696	10.0	10.0	
127 1,1,2,2-Tetrachloroethane	83	12.121	12.115	0.006	92	30748	1.00	0.8418	M
128 Bromobenzene	156	12.134	12.134	0.000	94	44648	1.00	0.8447	
129 trans-1,4-Dichloro-2-butene	53	12.146	12.140	0.006	93	72799	10.0	8.11	
130 1,2,3-Trichloropropane	110	12.164	12.164	0.000	79	8101	1.00	0.9130	
131 N-Propylbenzene	91	12.207	12.201	0.006	99	221937	1.00	0.8330	
132 2-Chlorotoluene	126	12.280	12.280	0.000	96	44403	1.00	0.8496	
133 1,3,5-Trimethylbenzene	105	12.347	12.341	0.006	94	156038	1.00	0.8319	
134 4-Chlorotoluene	126	12.377	12.371	0.006	96	45991	1.00	0.8586	
135 tert-Butylbenzene	134	12.585	12.585	0.000	93	37755	1.00	0.8842	
136 Pentachloroethane	167	12.615	12.615	0.000	88	29742	1.00	0.8777	
137 1,2,4-Trimethylbenzene	105	12.627	12.627	0.000	97	160992	1.00	0.8418	
138 sec-Butylbenzene	105	12.749	12.749	0.000	94	196906	1.00	0.8225	
139 1,3-Dichlorobenzene	146	12.853	12.847	0.006	99	84910	1.00	0.8176	
140 4-Isopropyltoluene	119	12.859	12.859	0.000	97	176069	1.00	0.8377	
* 141 1,4-Dichlorobenzene-d4	152	12.908	12.908	0.000	95	834277	10.0	10.0	
142 1,4-Dichlorobenzene	146	12.926	12.926	0.000	94	87373	1.00	0.8243	
143 1,2,3-Trimethylbenzene	120	12.932	12.932	0.000	97	72420	1.00	0.8388	
144 Benzyl chloride	126	12.999	12.999	0.000	99	13175	1.00	0.8932	
145 p-Diethylbenzene	119	13.139	13.133	0.006	95	103071	1.00	0.8148	
146 n-Butylbenzene	92	13.158	13.158	0.000	98	79560	1.00	0.8200	
147 1,2-Dichlorobenzene	146	13.188	13.182	0.006	98	79295	1.00	0.8553	
149 1,2-Dibromo-3-Chloropropane	155	13.737	13.731	0.006	87	3973	1.00	0.8215	
150 1,3,5-Trichlorobenzene	180	13.859	13.859	0.000	98	61015	1.00	0.7916	
151 1,2,4-Trichlorobenzene	180	14.286	14.286	0.000	95	51769	1.00	0.7821	
152 Hexachlorobutadiene	225	14.371	14.371	0.000	94	21202	1.00	0.7930	
153 Naphthalene	128	14.468	14.462	0.006	97	97565	1.00	0.8540	
154 1,2,3-Trichlorobenzene	180	14.609	14.603	0.006	95	46562	1.00	0.8119	
157 Pentane	43		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_#1_826_00150	Amount Added:	2.00	Units: uL	
MSV_LL_GAS826_00238	Amount Added:	2.00	Units: uL	
MSV_LL_#2_826_00157	Amount Added:	2.00	Units: uL	
MSV_LLcentISS_00014	Amount Added:	5.00	Units: uL	Run Reagent

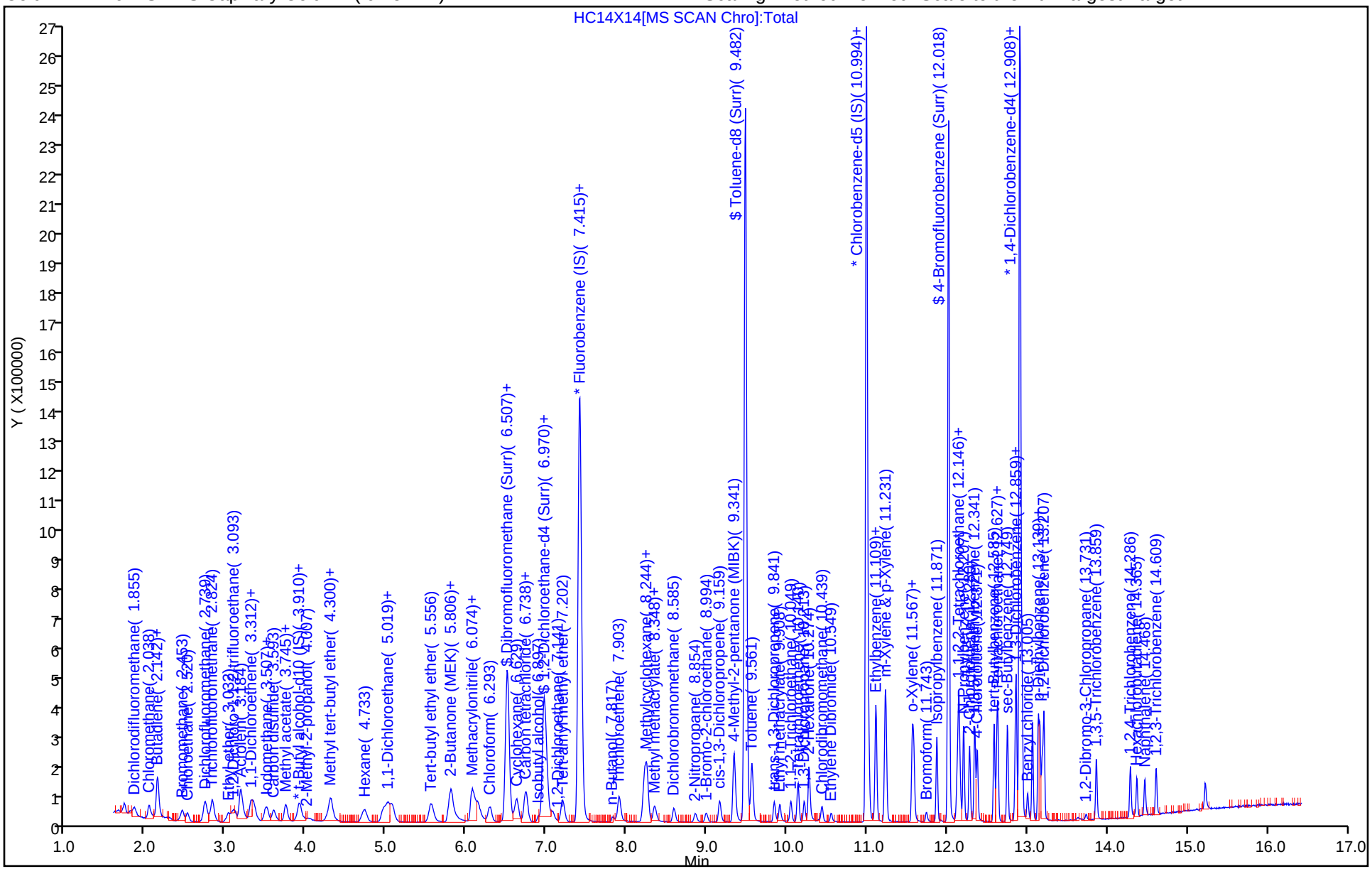
Report Date: 17-Oct-2024 09:44:16 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X14.D

Injection Date:	14-Oct-2024 22:36:30	Instrument ID:	19094	Operator ID:	gaw91131
Lims ID:	IC std3 1			Worklist Smp#:	15
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

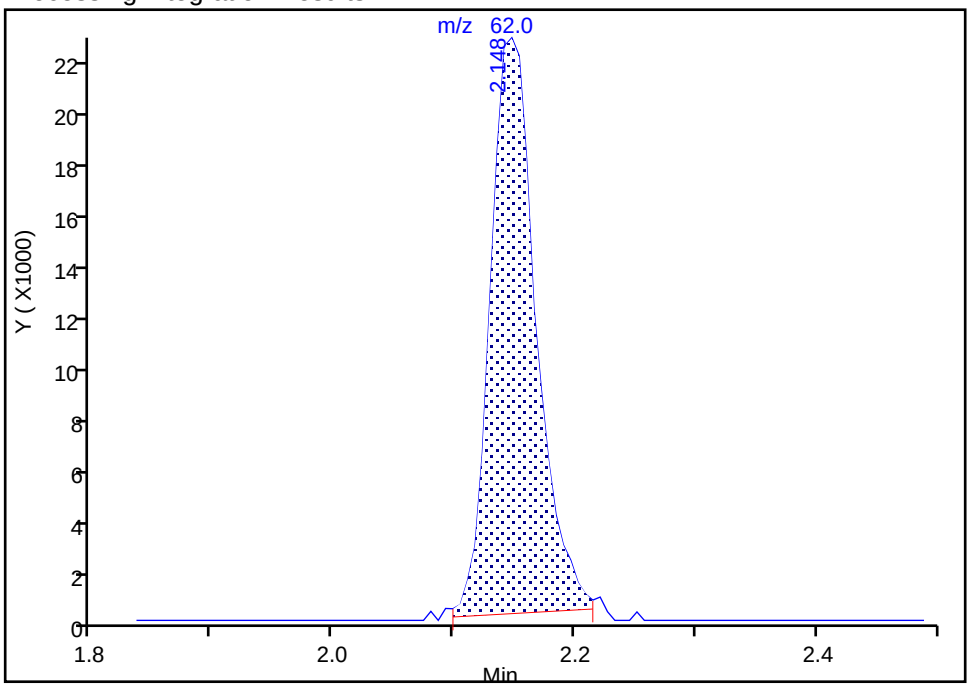
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Lims ID:	IC std3 1				
Client ID:					
Operator ID:	gaw91131	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

6 Vinyl chloride, CAS: 75-01-4

Signal: 1

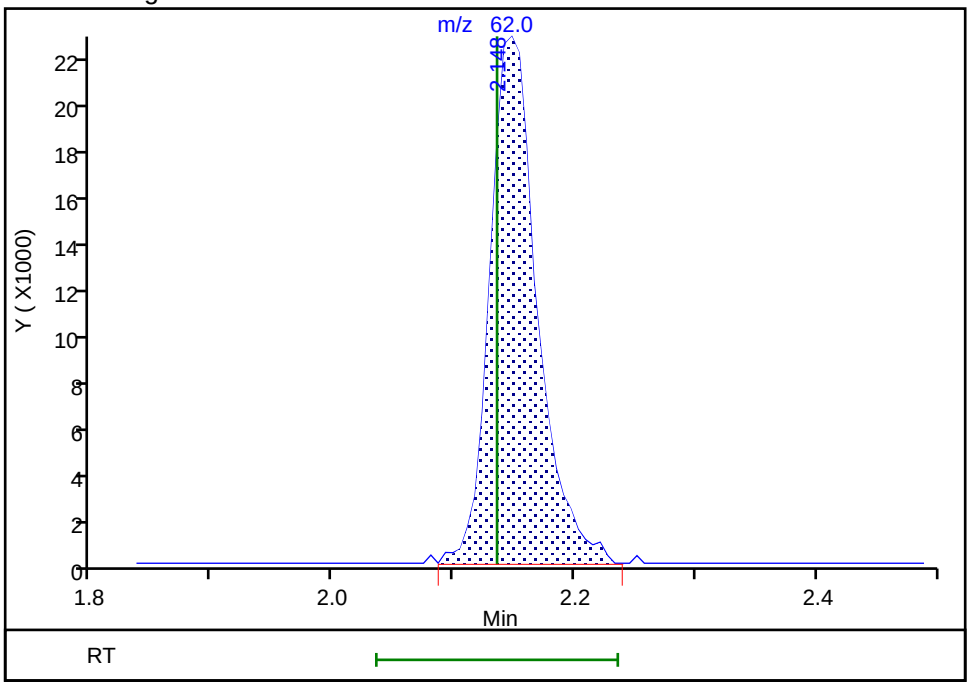
Processing Integration Results

RT: 2.15
Area: 57722
Amount: 1.002645
Amount Units: ug/l



Manual Integration Results

RT: 2.15
Area: 60425
Amount: 1.042603
Amount Units: ug/l



Reviewer: UKEK, 17-Oct-2024 08:47:03 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

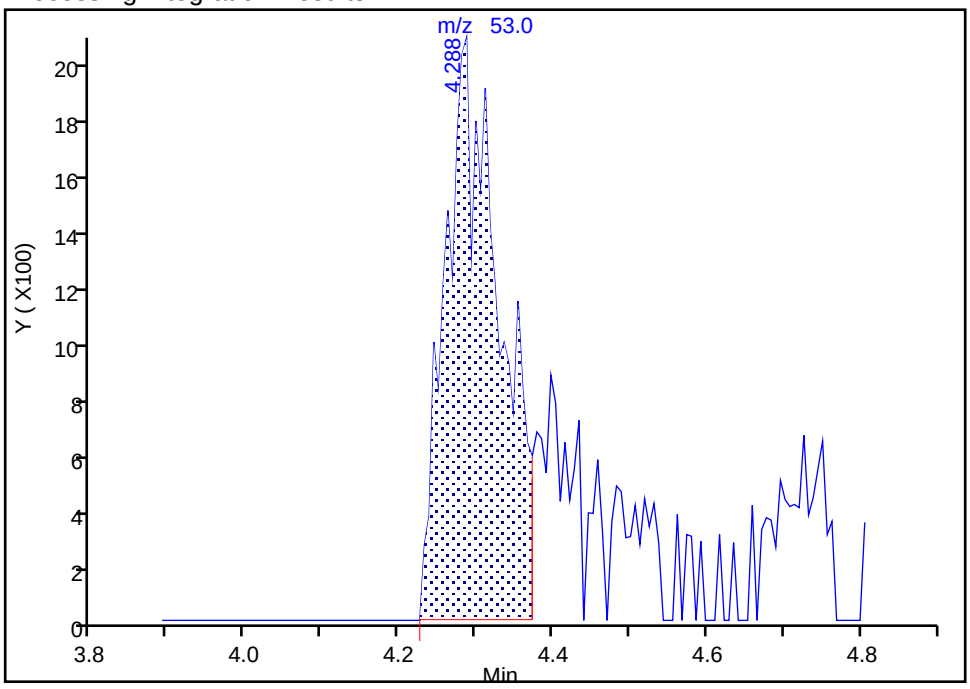
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Injection Date: 14-Oct-2024 22:36:30 Instrument ID: 19094
Lims ID: IC std3 1
Client ID:
Operator ID: gaw91131 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

31 Acrylonitrile, CAS: 107-13-1

Signal: 1

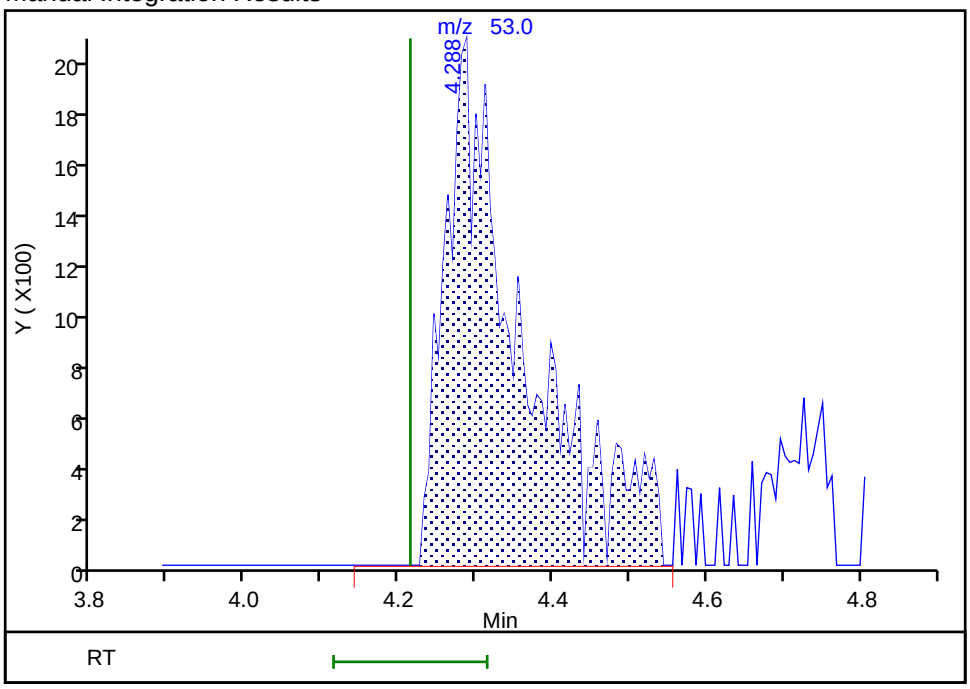
Processing Integration Results

RT: 4.29
Area: 9892
Amount: 1.417461
Amount Units: ug/l



Manual Integration Results

RT: 4.29
Area: 14124
Amount: 1.930238
Amount Units: ug/l



Reviewer: DVW2, 15-Oct-2024 08:11:53 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

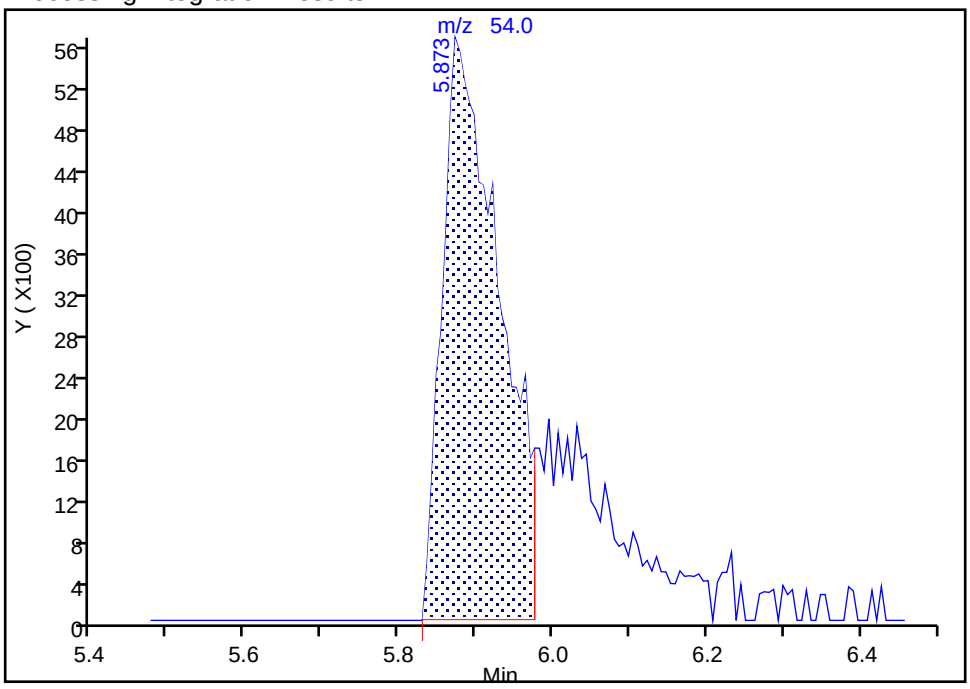
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Lims ID: IC std3 1
Client ID:
Operator ID: gaw91131 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

44 Propionitrile, CAS: 107-12-0

Signal: 1

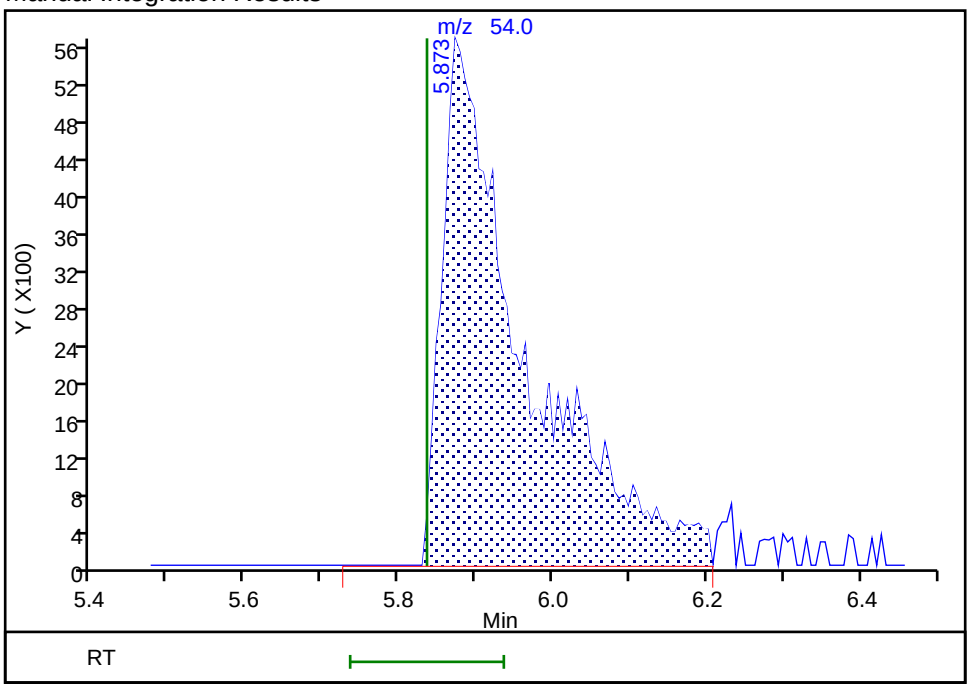
Processing Integration Results

RT: 5.87
Area: 29213
Amount: 12.452303
Amount Units: ug/l



Manual Integration Results

RT: 5.87
Area: 41913
Amount: 15.943876
Amount Units: ug/l



Reviewer: DVW2, 15-Oct-2024 08:13:59 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

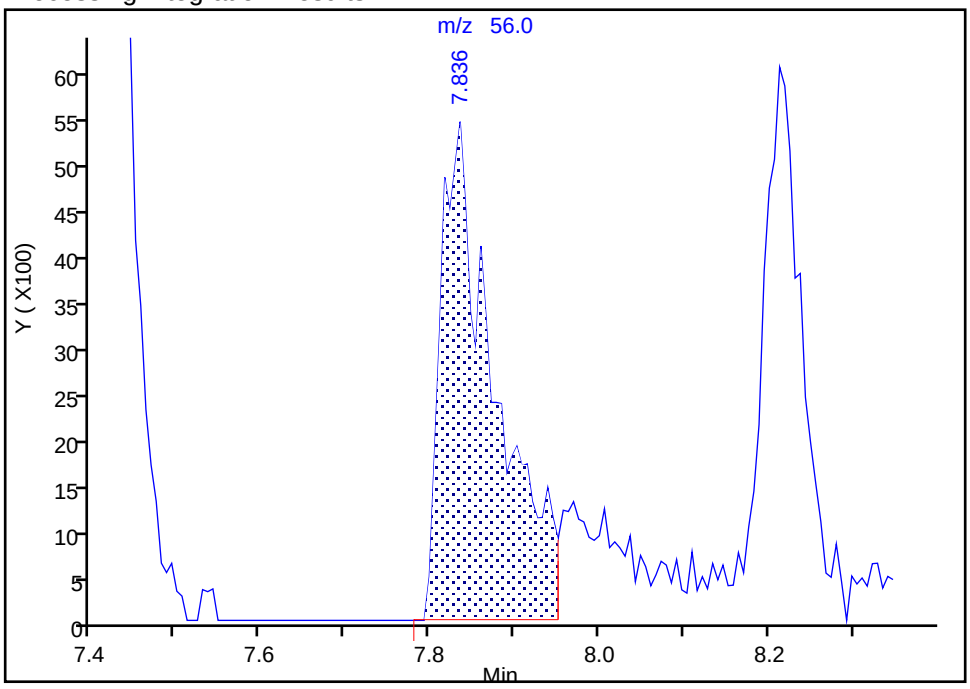
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Lims ID: IC std3 1
Client ID:
Operator ID: gaw91131 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

67 n-Butanol, CAS: 71-36-3

Signal: 1

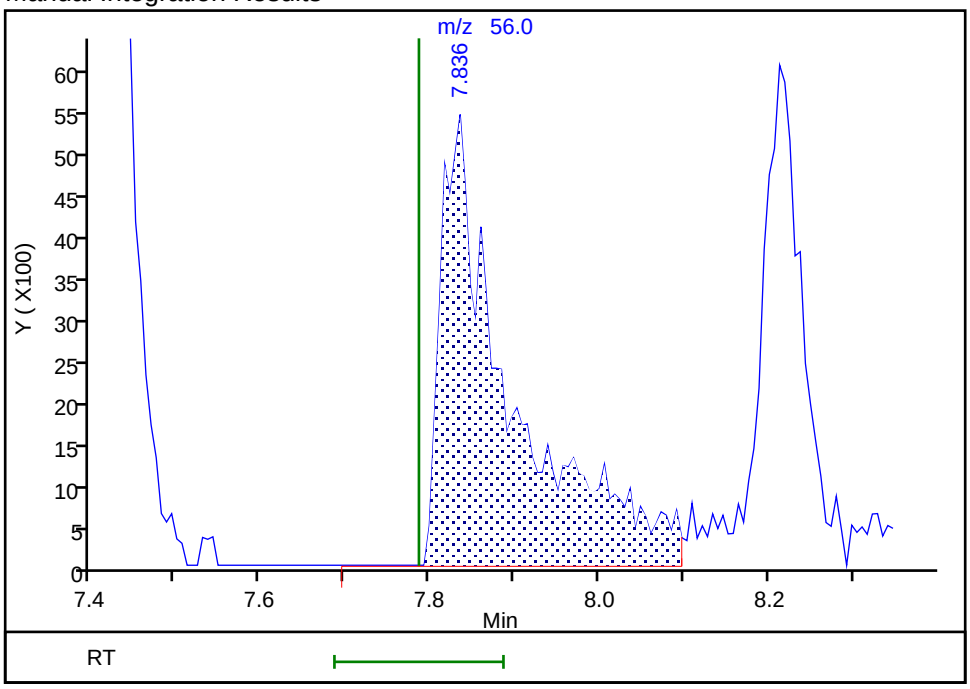
Processing Integration Results

RT: 7.84
Area: 24027
Amount: 72.274608
Amount Units: ug/l



Manual Integration Results

RT: 7.84
Area: 30960
Amount: 70.209598
Amount Units: ug/l



Reviewer: DVW2, 15-Oct-2024 08:12:17 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

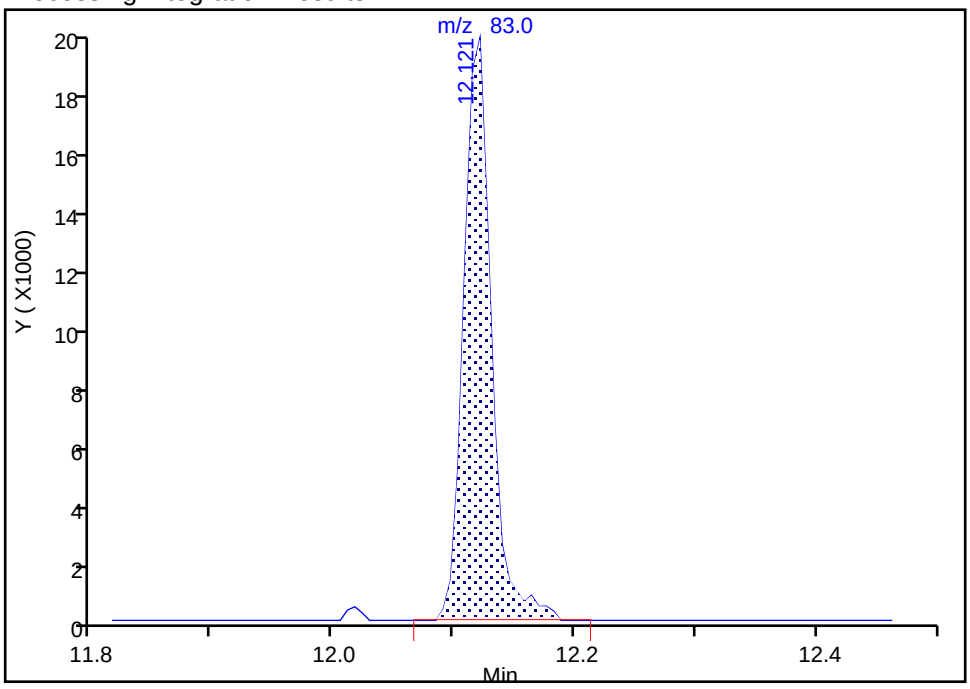
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Injection Date:	14-Oct-2024 22:36:30	Instrument ID:	19094		
Lims ID:	IC std3 1				
Client ID:					
Operator ID:	gaw91131	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

127 1,1,2,2-Tetrachloroethane, CAS: 79-34-5

Signal: 1

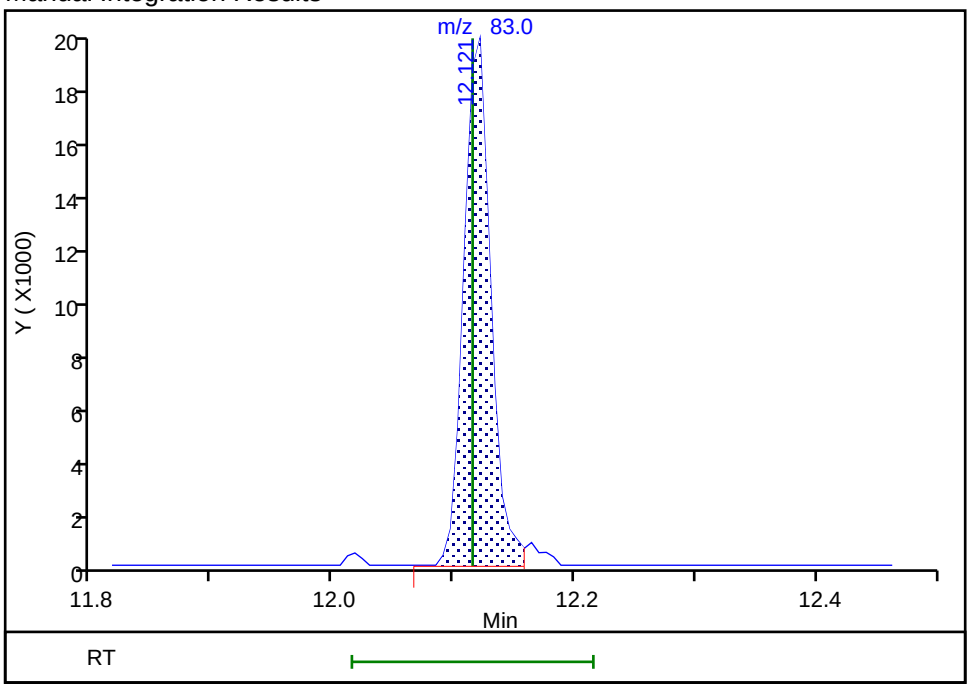
Processing Integration Results

RT: 12.12
Area: 31526
Amount: 0.851809
Amount Units: ug/l



Manual Integration Results

RT: 12.12
Area: 30748
Amount: 0.841829
Amount Units: ug/l



Reviewer: UKEK, 17-Oct-2024 08:53:41 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Baseline

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X15.D
Lims ID: IC std4 2
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 14-Oct-2024 22:57:30 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0127661-016
Misc. Info.: IC std4 2
Operator ID: gaw91131 Instrument ID: 19094
Sublist: chrom-MSV_19094_25mL*sub1

Method: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 17-Oct-2024 09:44:30 Calib Date: 15-Oct-2024 00:00:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1693

First Level Reviewer: DVW2 Date: 15-Oct-2024 08:10:58

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.849	1.843	0.006	99	69584	2.00	1.53	
5 Chloromethane	50	2.032	2.026	0.006	99	113888	2.00	1.68	
7 Butadiene	39	2.136	2.129	0.007	93	110884	2.00	1.77	
6 Vinyl chloride	62	2.142	2.135	0.007	93	97546	2.00	1.68	
9 Bromomethane	94	2.446	2.440	0.006	91	72310	2.00	1.73	
10 Chloroethane	64	2.514	2.507	0.007	100	64406	2.00	1.72	
11 Dichlorofluoromethane	67	2.727	2.727	0.000	97	165735	2.00	1.73	
12 Trichlorofluoromethane	101	2.806	2.806	0.000	96	102491	2.00	1.60	
14 Ethyl ether	59	3.020	3.007	0.013	92	56659	2.00	1.80	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.087	3.093	-0.006	94	90196	2.00	1.67	
16 Acrolein	56	3.178	3.160	0.018	100	455588	100.2	102.2	
17 1,1-Dichloroethene	96	3.300	3.294	0.006	98	58628	2.00	1.63	
19 Acetone	43	3.349	3.318	0.031	99	105944	20.0	20.5	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.337	3.330	0.007	92	51463	2.00	1.54	
21 Iodomethane	142	3.489	3.477	0.012	99	129617	2.00	1.76	
22 Ethyl bromide	108	3.507	3.501	0.006	97	61829	2.00	1.77	
23 Carbon disulfide	76	3.586	3.580	0.006	99	187580	2.00	1.64	
24 Methyl acetate	43	3.739	3.702	0.037	26	29231	2.00	2.06	Ma
26 3-Chloro-1-propene	41	3.739	3.733	0.006	92	131066	2.00	1.73	
27 Methylene Chloride	84	3.904	3.897	0.007	93	79469	2.00	1.84	
* 28 t-Butyl alcohol-d10 (IS)	65	3.910	3.916	-0.006	98	93056	50.0	50.0	
29 2-Methyl-2-propanol	59	4.032	4.013	0.019	98	64100	40.0	40.0	
31 Acrylonitrile	53	4.251	4.214	0.037	98	30247	5.00	4.45	
32 Methyl tert-butyl ether	73	4.275	4.275	0.000	95	194704	2.00	1.94	
33 trans-1,2-Dichloroethene	96	4.300	4.294	0.006	97	70878	2.00	1.68	
34 Hexane	57	4.733	4.714	0.019	93	85832	2.00	1.53	
36 1,1-Dichloroethane	63	4.952	4.946	0.006	96	144195	2.00	1.74	
37 Isopropyl ether	45	5.013	5.001	0.012	95	279353	2.00	1.86	
38 2-Chloro-1,3-butadiene	53	5.068	5.062	0.006	90	113501	2.00	1.65	
40 Tert-butyl ethyl ether	59	5.556	5.549	0.007	99	257852	2.00	1.89	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
41 2-Butanone (MEK)	43	5.763	5.751	0.012	100	176058	20.0	19.6	
42 cis-1,2-Dichloroethene	96	5.806	5.793	0.013	83	83537	2.00	1.70	
43 2,2-Dichloropropane	77	5.806	5.805	0.001	65	112956	2.00	1.64	
44 Propionitrile	54	5.867	5.836	0.031	98	103182	40.0	42.3	
47 Methacrylonitrile	67	6.068	6.055	0.013	93	202725	20.0	20.7	
48 Chlorobromomethane	128	6.135	6.129	0.006	97	37992	2.00	1.90	
49 Tetrahydrofuran	71	6.159	6.141	0.018	74	25726	10.0	10.2	
S 46 1,2-Dichloroethene, Total	100				0			3.38	
50 Chloroform	83	6.293	6.281	0.012	93	137486	2.00	1.77	
$ 52 Dibromofluoromethane (Surr)	113	6.501	6.500	0.001	94	483416	10.0	10.0	
53 1,1,1-Trichloroethane	97	6.519	6.513	0.006	98	109281	2.00	1.65	
54 Cyclohexane	56	6.622	6.622	0.000	92	111679	2.00	1.55	
56 Carbon tetrachloride	117	6.738	6.732	0.006	86	90258	2.00	1.64	
55 1,1-Dichloropropene	75	6.744	6.732	0.012	94	99608	2.00	1.60	
57 Isobutyl alcohol	41	6.897	6.885	0.012	93	55477	100.0	94.0	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.964	6.964	0.000	81	97968	10.0	9.96	
59 Benzene	78	6.994	6.994	0.000	96	329347	2.00	1.72	
60 1,2-Dichloroethane	62	7.074	7.067	0.007	97	84920	2.00	1.89	
63 Tert-amyl methyl ether	73	7.196	7.195	0.001	98	217027	2.00	1.92	
* 64 Fluorobenzene (IS)	96	7.409	7.409	0.000	98	2072912	10.0	10.0	
65 n-Heptane	43	7.433	7.427	0.006	93	87937	2.00	1.60	
67 n-Butanol	56	7.811	7.787	0.024	88	70523	175.0	172.3	
68 Trichloroethene	95	7.903	7.897	0.006	98	79177	2.00	1.66	
69 Methylcyclohexane	83	8.220	8.214	0.006	92	111102	2.00	1.61	
70 1,2-Dichloropropane	63	8.238	8.232	0.006	95	88407	2.00	1.83	
71 2-ethoxy-2-methyl butane	87	8.250	8.250	0.000	91	133295	2.00	1.86	
73 1,4-Dioxane	88	8.336	8.329	0.007	31	7863	100.0	107.9	M
72 Methyl methacrylate	69	8.336	8.329	0.007	91	36532	2.00	1.97	
74 Dibromomethane	93	8.348	8.348	0.000	94	40703	2.00	2.01	
76 Dichlorobromomethane	83	8.586	8.585	0.001	99	100465	2.00	1.87	
77 2-Nitropropane	41	8.848	8.854	-0.006	97	56505	10.0	9.37	a
79 1-Bromo-2-chloroethane	63	8.982	8.988	-0.006	98	81742	2.00	1.84	
80 cis-1,3-Dichloropropene	75	9.159	9.152	0.007	96	128875	2.00	1.89	
82 4-Methyl-2-pentanone (MIBK)	43	9.335	9.335	0.000	97	499117	20.0	20.2	
$ 83 Toluene-d8 (Surr)	98	9.476	9.475	0.001	93	2035148	10.0	9.98	
84 Toluene	92	9.561	9.561	0.000	98	202159	2.00	1.72	
85 trans-1,3-Dichloropropene	75	9.835	9.835	0.000	94	102022	2.00	1.89	
104 Ethyl methacrylate	69	9.908	9.902	0.006	90	83844	2.00	1.94	
106 1,1,2-Trichloroethane	97	10.049	10.042	0.007	91	54766	2.00	1.85	
S 105 1,3-Dichloropropene, Total	100				0			3.79	
107 Tetrachloroethene	166	10.134	10.134	0.000	98	89198	2.00	1.69	
108 1,3-Dichloropropane	76	10.213	10.213	0.000	92	100846	2.00	1.94	
109 2-Hexanone	43	10.274	10.268	0.006	98	327837	20.0	20.7	
111 Chlorodibromomethane	129	10.439	10.433	0.006	90	68734	2.00	1.95	
112 Ethylene Dibromide	107	10.549	10.548	0.001	99	52098	2.00	1.92	
* 113 Chlorobenzene-d5 (IS)	117	10.994	10.993	0.001	86	1488359	10.0	10.0	
114 1-Chlorohexane	91	11.006	11.006	0.000	99	105163	2.00	1.58	
115 Chlorobenzene	112	11.018	11.018	0.000	95	229543	2.00	1.82	
116 1,1,1,2-Tetrachloroethane	131	11.103	11.103	0.000	96	81809	2.00	1.87	
117 Ethylbenzene	91	11.109	11.109	0.000	99	395651	2.00	1.74	
119 m-Xylene & p-Xylene	106	11.225	11.225	0.000	100	306638	4.00	3.48	
S 118 Xylenes, Total	106				0			5.29	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
120 o-Xylene	106	11.561	11.560	0.001	97	154997	2.00	1.81	
121 Styrene	104	11.579	11.579	0.000	94	252345	2.00	1.81	
122 Bromoform	173	11.737	11.737	0.000	97	38731	2.00	1.98	
123 Isopropylbenzene	105	11.871	11.871	0.000	96	350338	2.00	1.73	
$ 126 4-Bromofluorobenzene (Surr)	95	12.018	12.012	0.006	92	733016	10.0	10.0	
127 1,1,2,2-Tetrachloroethane	83	12.121	12.115	0.006	92	71353	2.00	1.97	M
128 Bromobenzene	156	12.134	12.134	0.000	94	97881	2.00	1.87	
129 trans-1,4-Dichloro-2-butene	53	12.146	12.140	0.006	93	168113	20.0	20.2	
130 1,2,3-Trichloropropane	110	12.164	12.164	0.000	80	18135	2.00	2.06	
131 N-Propylbenzene	91	12.201	12.201	0.000	99	461806	2.00	1.75	
132 2-Chlorotoluene	126	12.280	12.280	0.000	96	93262	2.00	1.80	
133 1,3,5-Trimethylbenzene	105	12.341	12.341	0.000	95	335326	2.00	1.81	
134 4-Chlorotoluene	126	12.371	12.371	0.000	98	96006	2.00	1.81	
135 tert-Butylbenzene	134	12.585	12.585	0.000	94	72235	2.00	1.71	
136 Pentachloroethane	167	12.615	12.615	0.000	86	61281	2.00	1.83	
137 1,2,4-Trimethylbenzene	105	12.627	12.627	0.000	97	342141	2.00	1.81	
138 sec-Butylbenzene	105	12.749	12.749	0.000	94	414824	2.00	1.75	
139 1,3-Dichlorobenzene	146	12.853	12.847	0.006	98	192928	2.00	1.88	
140 4-Isopropyltoluene	119	12.859	12.859	0.000	98	370759	2.00	1.78	
* 141 1,4-Dichlorobenzene-d4	152	12.908	12.908	0.000	94	826048	10.0	10.0	
142 1,4-Dichlorobenzene	146	12.926	12.926	0.000	95	192425	2.00	1.83	
143 1,2,3-Trimethylbenzene	120	12.932	12.932	0.000	98	160016	2.00	1.87	
144 Benzyl chloride	126	12.999	12.999	0.000	98	30653	2.00	2.10	
145 p-Diethylbenzene	119	13.133	13.133	0.000	95	226844	2.00	1.81	
146 n-Butylbenzene	92	13.158	13.158	0.000	97	174260	2.00	1.81	
147 1,2-Dichlorobenzene	146	13.182	13.182	0.000	98	174522	2.00	1.90	
149 1,2-Dibromo-3-Chloropropane	155	13.737	13.731	0.006	89	10109	2.00	2.11	
150 1,3,5-Trichlorobenzene	180	13.859	13.859	0.000	97	145393	2.00	1.91	
151 1,2,4-Trichlorobenzene	180	14.286	14.286	0.000	94	125252	2.00	1.91	
152 Hexachlorobutadiene	225	14.365	14.371	-0.006	94	47749	2.00	1.80	
153 Naphthalene	128	14.462	14.462	0.000	97	228147	2.00	2.02	
154 1,2,3-Trichlorobenzene	180	14.609	14.603	0.006	96	110665	2.00	1.95	
157 Pentane	43		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_LL_#1_826_00150	Amount Added:	2.00	Units: uL	
MSV_LL_GAS826_00238	Amount Added:	2.00	Units: uL	
MSV_LL_#2_826_00157	Amount Added:	2.00	Units: uL	
MSV_LLcentISS_00014	Amount Added:	5.00	Units: uL	Run Reagent

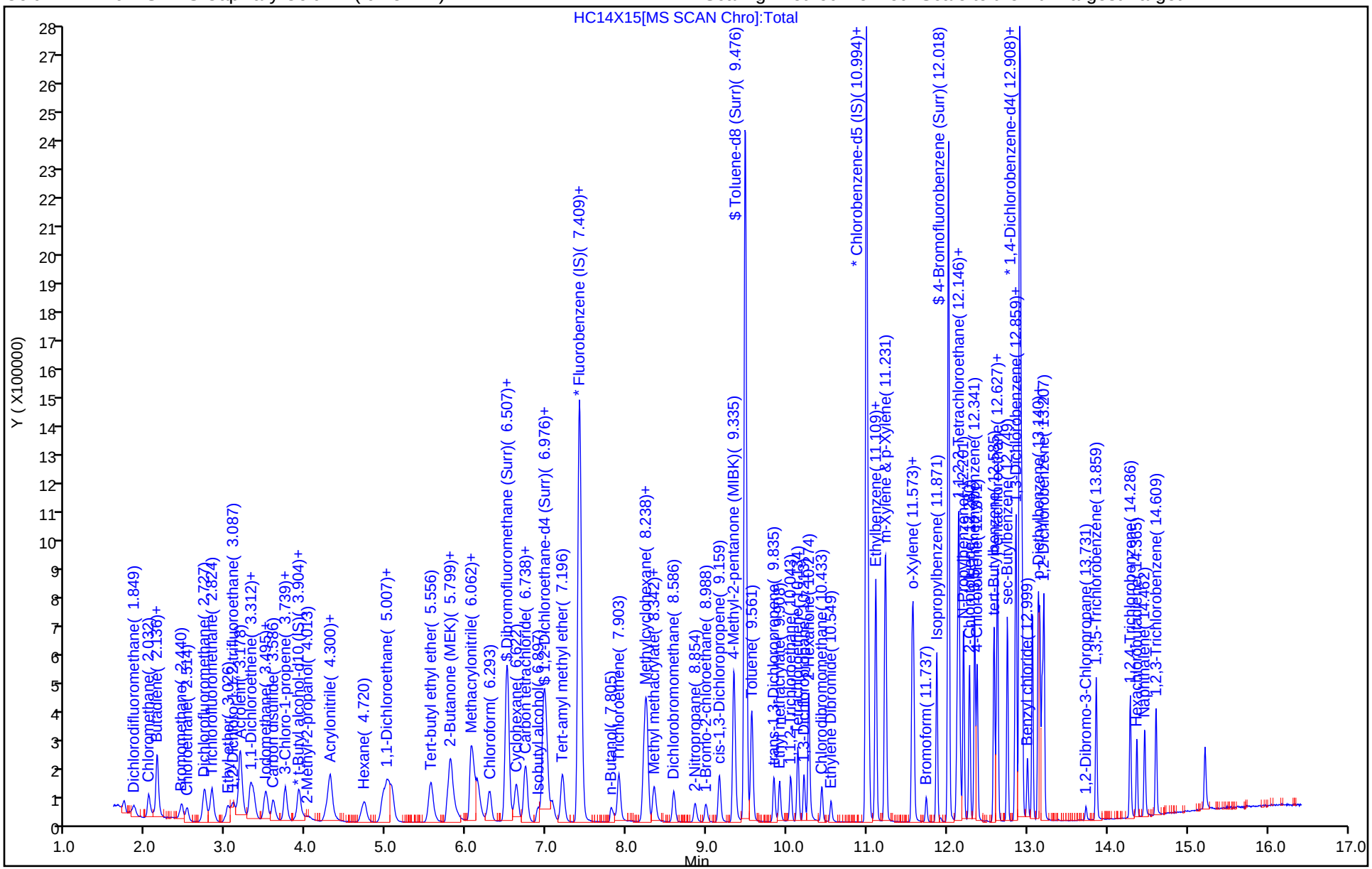
Report Date: 17-Oct-2024 09:44:31 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X15.D

Injection Date:	14-Oct-2024 22:57:30	Instrument ID:	19094	Operator ID:	gaw91131
Lims ID:	IC std4 2			Worklist Smp#:	16
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

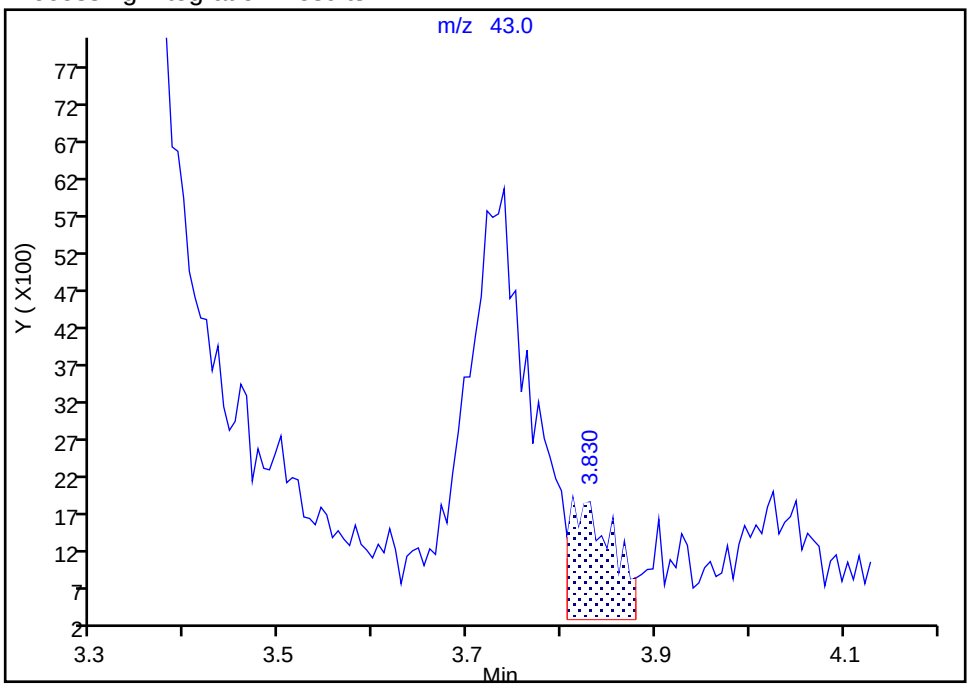
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Injection Date: 14-Oct-2024 22:57:30 Instrument ID: 19094
Lims ID: IC std4 2
Client ID:
Operator ID: gaw91131 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

24 Methyl acetate, CAS: 79-20-9

Signal: 1

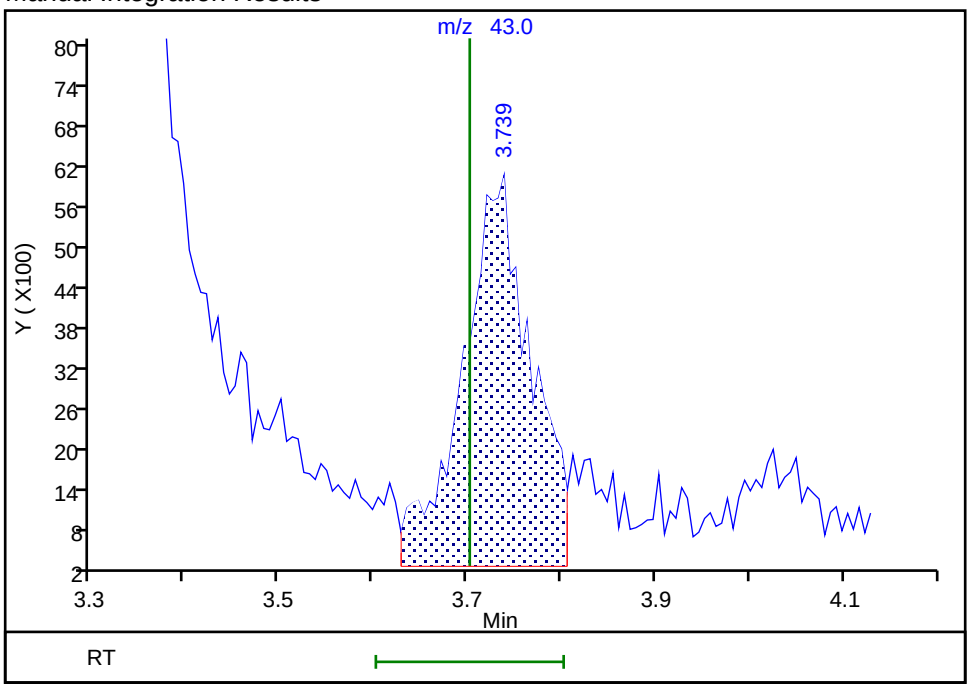
Processing Integration Results

RT: 3.83
Area: 5269
Amount: 0.364878
Amount Units: ug/l



Manual Integration Results

RT: 3.74
Area: 29231
Amount: 2.058700
Amount Units: ug/l



Reviewer: UKEK, 17-Oct-2024 09:01:56 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

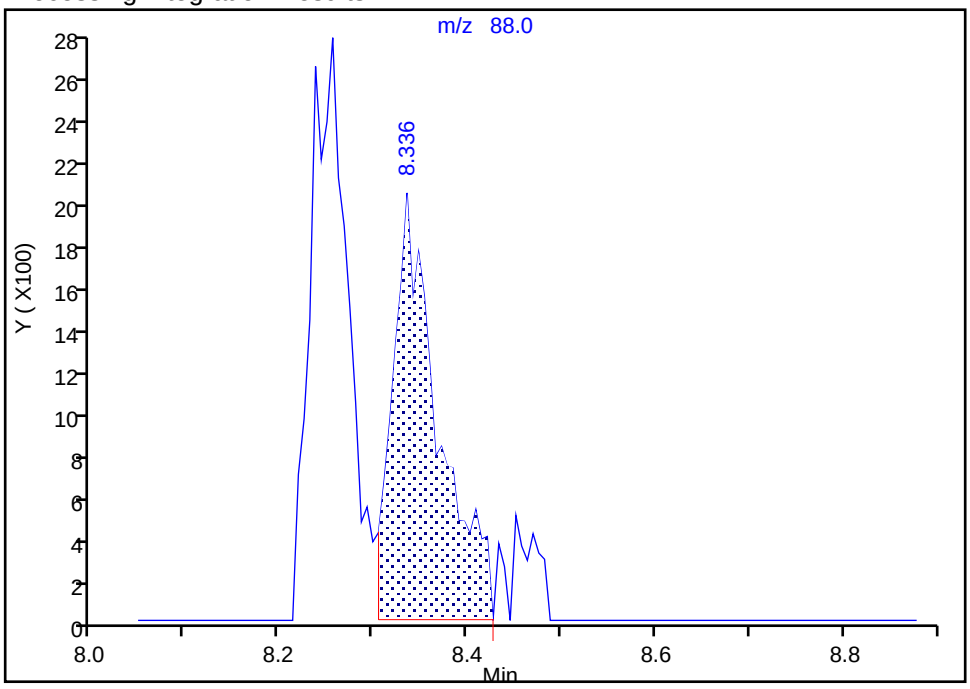
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Injection Date: 14-Oct-2024 22:57:30 Instrument ID: 19094
Lims ID: IC std4 2
Client ID:
Operator ID: gaw91131 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

73 1,4-Dioxane, CAS: 123-91-1

Signal: 1

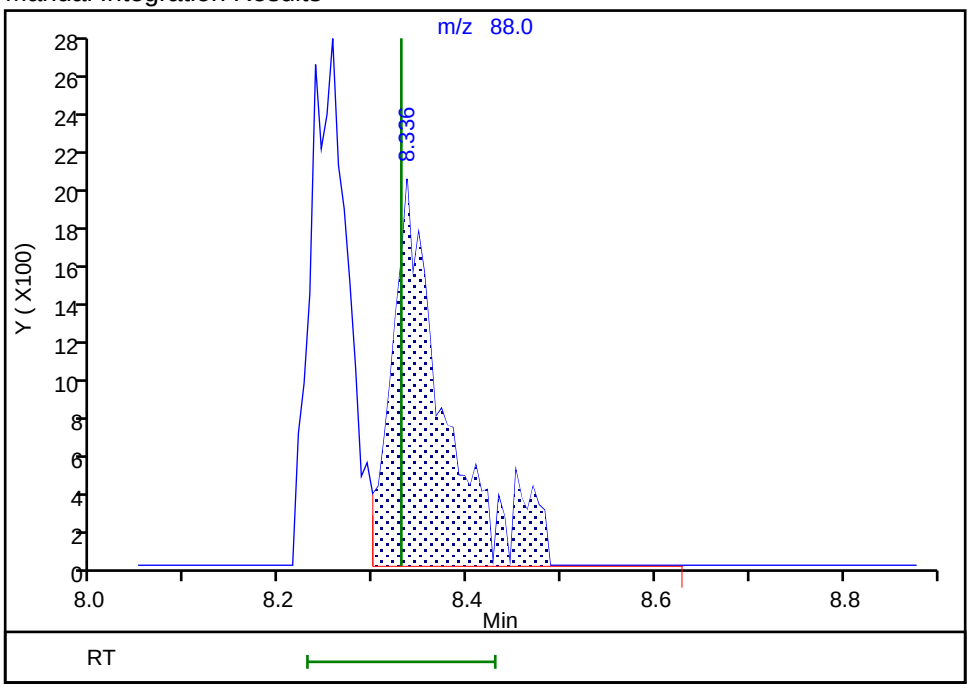
Processing Integration Results

RT: 8.34
Area: 6732
Amount: 95.206503
Amount Units: ug/l



Manual Integration Results

RT: 8.34
Area: 7863
Amount: 107.8809
Amount Units: ug/l



Reviewer: DVW2, 15-Oct-2024 08:10:48 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

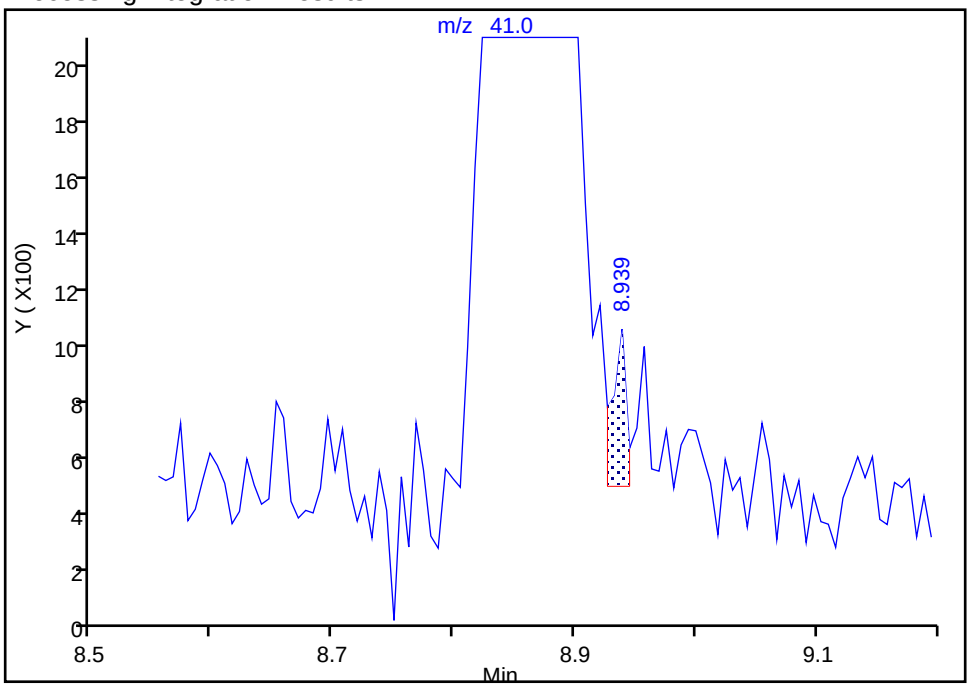
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Injection Date: 14-Oct-2024 22:57:30 Instrument ID: 19094
Lims ID: IC std4 2
Client ID:
Operator ID: gaw91131 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

77 2-Nitropropane, CAS: 79-46-9

Signal: 1

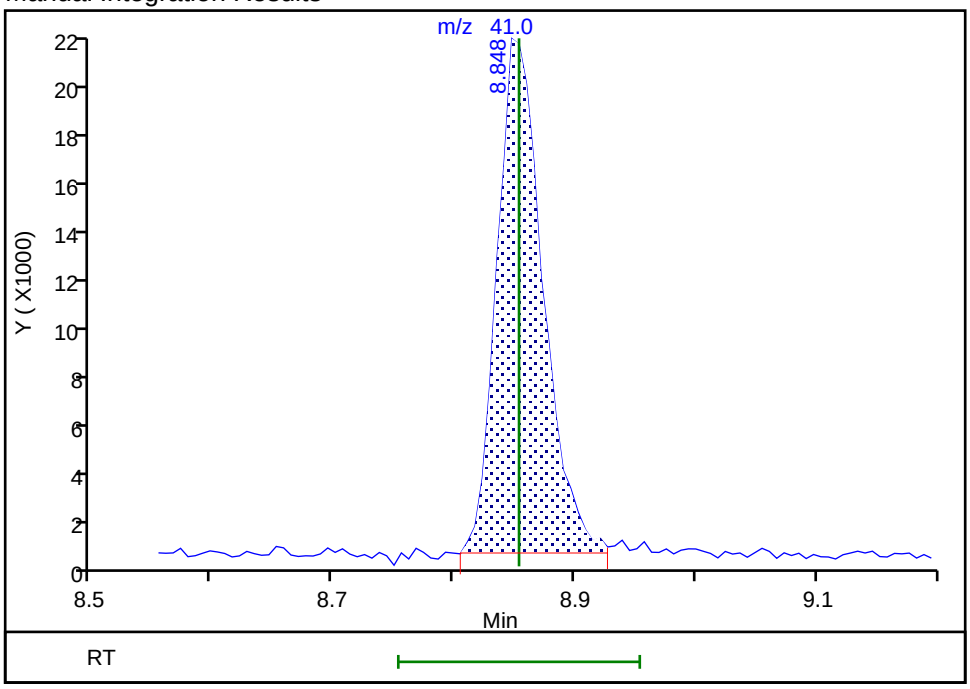
Processing Integration Results

RT: 8.94
Area: 468
Amount: 0.094189
Amount Units: ug/l



Manual Integration Results

RT: 8.85
Area: 56505
Amount: 9.366193
Amount Units: ug/l



Reviewer: DVW2, 15-Oct-2024 08:10:53 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

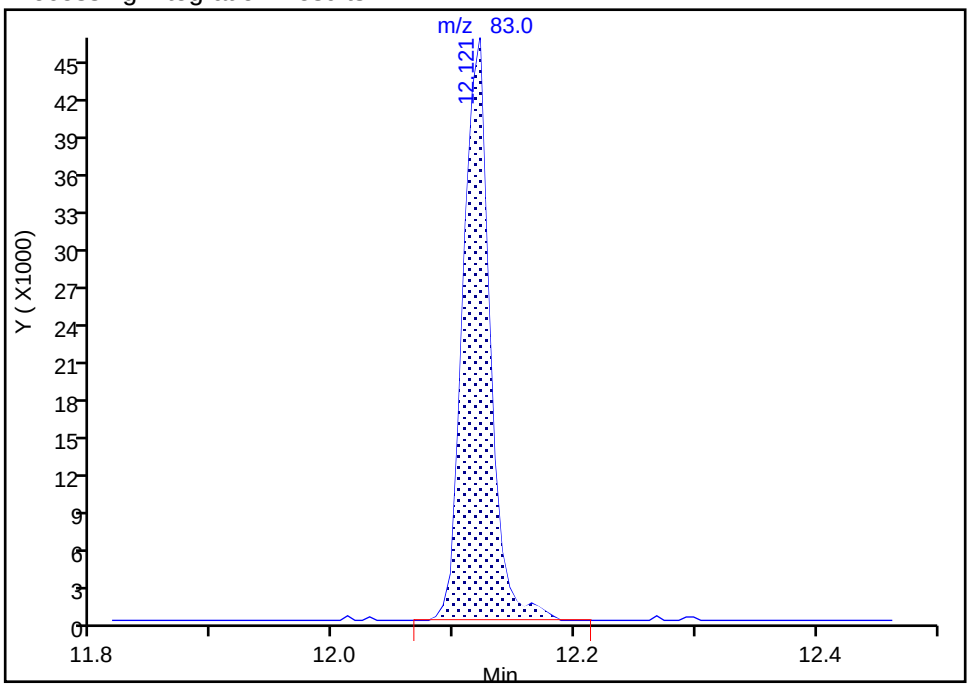
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Injection Date:	14-Oct-2024 22:57:30	Instrument ID:	19094		
Lims ID:	IC std4 2				
Client ID:					
Operator ID:	gaw91131	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

127 1,1,2,2-Tetrachloroethane, CAS: 79-34-5

Signal: 1

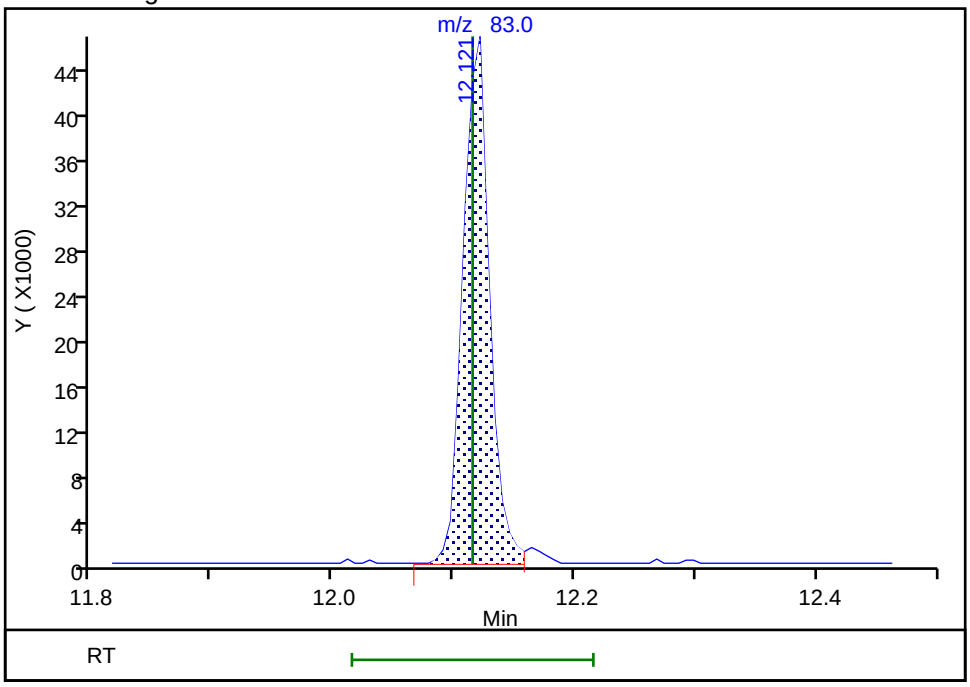
Processing Integration Results

RT: 12.12
Area: 72630
Amount: 1.987927
Amount Units: ug/l



Manual Integration Results

RT: 12.12
Area: 71353
Amount: 1.972987
Amount Units: ug/l



Reviewer: UKEK, 17-Oct-2024 08:53:57 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Baseline

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X16.D
Lims ID: IC std5 5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 14-Oct-2024 23:18:30 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0127661-017
Misc. Info.: IC std5 5
Operator ID: gaw91131 Instrument ID: 19094
Sublist: chrom-MSV_19094_25mL*sub1

Method: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 17-Oct-2024 09:44:45 Calib Date: 15-Oct-2024 00:00:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1693

First Level Reviewer: DVW2 Date: 15-Oct-2024 08:10:00

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.849	1.843	0.006	99	233118	5.00	5.13	
5 Chloromethane	50	2.032	2.026	0.006	99	338663	5.00	5.00	
7 Butadiene	39	2.136	2.129	0.007	93	316980	5.00	5.06	
6 Vinyl chloride	62	2.142	2.135	0.007	98	288117	5.00	4.94	
9 Bromomethane	94	2.447	2.440	0.007	90	216158	5.00	5.15	
10 Chloroethane	64	2.507	2.507	0.000	100	188120	5.00	5.01	
11 Dichlorofluoromethane	67	2.727	2.727	0.000	97	482982	5.00	5.03	
12 Trichlorofluoromethane	101	2.800	2.806	-0.006	98	332622	5.00	5.19	
14 Ethyl ether	59	3.013	3.007	0.006	93	162851	5.00	5.17	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.087	3.093	-0.006	94	268912	5.00	4.98	
16 Acrolein	56	3.172	3.160	0.012	99	1303716	250.5	285.4	
17 1,1-Dichloroethene	96	3.300	3.294	0.006	97	183655	5.00	5.08	
19 Acetone	43	3.330	3.318	0.012	99	274108	50.0	51.6	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.337	3.330	0.007	91	182552	5.00	5.45	
21 Iodomethane	142	3.483	3.477	0.006	98	387532	5.00	5.24	
22 Ethyl bromide	108	3.507	3.501	0.006	98	180009	5.01	5.13	
23 Carbon disulfide	76	3.580	3.580	0.000	99	595387	5.00	5.19	
24 Methyl acetate	43	3.727	3.702	0.025	88	78545	5.00	5.40	
26 3-Chloro-1-propene	41	3.733	3.733	0.000	93	390670	5.00	5.15	
27 Methylene Chloride	84	3.904	3.897	0.007	94	221930	5.00	5.12	
* 28 t-Butyl alcohol-d10 (IS)	65	3.922	3.916	0.006	99	95404	50.0	50.0	
29 2-Methyl-2-propanol	59	4.019	4.013	0.006	100	176330	100.0	107.5	
31 Acrylonitrile	53	4.233	4.214	0.019	98	98383	12.5	14.1	
32 Methyl tert-butyl ether	73	4.275	4.275	0.000	95	524249	5.00	5.21	
33 trans-1,2-Dichloroethene	96	4.300	4.294	0.006	98	215558	5.00	5.11	
34 Hexane	57	4.720	4.714	0.006	93	297344	5.00	5.30	
36 1,1-Dichloroethane	63	4.952	4.946	0.006	96	436243	5.00	5.26	
37 Isopropyl ether	45	5.013	5.001	0.012	96	793496	5.00	5.28	
38 2-Chloro-1,3-butadiene	53	5.062	5.062	0.000	91	364749	5.00	5.29	
40 Tert-butyl ethyl ether	59	5.556	5.549	0.007	99	720935	5.00	5.27	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
41 2-Butanone (MEK)	43	5.751	5.751	0.000	100	505653	50.0	54.8	
42 cis-1,2-Dichloroethene	96	5.793	5.793	0.000	83	260188	5.00	5.28	
43 2,2-Dichloropropane	77	5.806	5.805	0.001	88	353714	5.00	5.14	
44 Propionitrile	54	5.842	5.836	0.006	99	299079	100.0	119.6	M
47 Methacrylonitrile	67	6.056	6.055	0.001	93	552582	50.0	54.9	
48 Chlorobromomethane	128	6.129	6.129	0.000	97	104813	5.00	5.24	
49 Tetrahydrofuran	71	6.141	6.141	0.000	75	72408	25.0	28.0	
S 46 1,2-Dichloroethene, Total	100				0			10.4	
50 Chloroform	83	6.287	6.281	0.006	93	403722	5.00	5.18	
$ 52 Dibromofluoromethane (Surr)	113	6.501	6.500	0.001	94	492598	10.0	10.2	
53 1,1,1-Trichloroethane	97	6.513	6.513	0.000	98	338392	5.00	5.10	
54 Cyclohexane	56	6.623	6.622	0.001	92	376344	5.00	5.21	
56 Carbon tetrachloride	117	6.732	6.732	0.000	86	298912	5.00	5.41	
55 1,1-Dichloropropene	75	6.726	6.732	-0.006	95	324527	5.00	5.22	
57 Isobutyl alcohol	41	6.891	6.885	0.006	95	157476	250.0	260.2	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.958	6.964	-0.006	87	101574	10.0	10.3	
59 Benzene	78	6.994	6.994	0.000	97	988091	5.00	5.16	
60 1,2-Dichloroethane	62	7.068	7.067	0.001	97	240795	5.00	5.36	
63 Tert-amyl methyl ether	73	7.196	7.195	0.001	98	588927	5.00	5.19	
* 64 Fluorobenzene (IS)	96	7.409	7.409	0.000	98	2077057	10.0	10.0	
65 n-Heptane	43	7.433	7.427	0.006	94	291385	5.00	5.28	
67 n-Butanol	56	7.793	7.787	0.006	89	201232	437.5	479.6	
68 Trichloroethene	95	7.897	7.897	0.000	98	245399	5.00	5.13	
69 Methylcyclohexane	83	8.214	8.214	0.000	92	367437	5.00	5.33	
70 1,2-Dichloropropane	63	8.232	8.232	0.000	88	254056	5.00	5.24	
71 2-ethoxy-2-methyl butane	87	8.250	8.250	0.000	91	377794	5.00	5.26	
73 1,4-Dioxane	88	8.336	8.329	0.007	30	18369	250.0	245.8	
72 Methyl methacrylate	69	8.330	8.329	0.001	92	104861	5.00	5.52	
74 Dibromomethane	93	8.348	8.348	0.000	95	107222	5.00	5.29	
76 Dichlorobromomethane	83	8.586	8.585	0.001	99	283316	5.00	5.26	
77 2-Nitropropane	41	8.854	8.854	0.000	99	157958	25.0	25.5	a
79 1-Bromo-2-chloroethane	63	8.988	8.988	0.000	99	238850	5.00	5.37	
80 cis-1,3-Dichloropropene	75	9.153	9.152	0.001	95	363607	5.00	5.34	
82 4-Methyl-2-pentanone (MIBK)	43	9.335	9.335	0.000	97	1385351	50.0	54.6	
$ 83 Toluene-d8 (Surr)	98	9.476	9.475	0.001	93	2049029	10.0	10.1	
84 Toluene	92	9.561	9.561	0.000	98	615515	5.00	5.26	
85 trans-1,3-Dichloropropene	75	9.835	9.835	0.000	93	294457	5.00	5.47	
104 Ethyl methacrylate	69	9.902	9.902	0.000	90	237081	5.00	5.49	
106 1,1,2-Trichloroethane	97	10.049	10.042	0.007	90	154743	5.00	5.22	
S 105 1,3-Dichloropropene, Total	100				0			10.8	
107 Tetrachloroethene	166	10.134	10.134	0.000	98	276372	5.00	5.23	
108 1,3-Dichloropropane	76	10.213	10.213	0.000	91	280515	5.00	5.40	
109 2-Hexanone	43	10.268	10.268	0.000	98	922947	50.0	56.8	
111 Chlorodibromomethane	129	10.433	10.433	0.000	90	193406	5.00	5.49	
112 Ethylene Dibromide	107	10.549	10.548	0.001	100	146459	5.00	5.42	
* 113 Chlorobenzene-d5 (IS)	117	10.994	10.993	0.001	86	1486198	10.0	10.0	
114 1-Chlorohexane	91	11.006	11.006	0.000	98	326192	5.00	4.91	
115 Chlorobenzene	112	11.018	11.018	0.000	94	668327	5.00	5.30	
116 1,1,1,2-Tetrachloroethane	131	11.103	11.103	0.000	97	234418	5.00	5.36	
117 Ethylbenzene	91	11.109	11.109	0.000	99	1200608	5.00	5.28	
119 m-Xylene & p-Xylene	106	11.225	11.225	0.000	100	927931	10.0	10.5	
S 118 Xylenes, Total	106				0			15.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
120 o-Xylene	106	11.561	11.560	0.001	96	457476	5.00	5.35	
121 Styrene	104	11.579	11.579	0.000	95	741733	5.00	5.34	
122 Bromoform	173	11.737	11.737	0.000	97	113530	5.00	5.80	
123 Isopropylbenzene	105	11.872	11.871	0.001	96	1069170	5.00	5.30	
$ 126 4-Bromofluorobenzene (Surr)	95	12.018	12.012	0.006	93	744613	10.0	10.2	
127 1,1,2,2-Tetrachloroethane	83	12.115	12.115	0.000	91	195091	5.00	5.27	M
128 Bromobenzene	156	12.134	12.134	0.000	95	274012	5.00	5.12	
129 trans-1,4-Dichloro-2-butene	53	12.146	12.140	0.006	91	481779	50.0	56.4	
130 1,2,3-Trichloropropane	110	12.164	12.164	0.000	81	49735	5.00	5.53	
131 N-Propylbenzene	91	12.201	12.201	0.000	99	1414854	5.00	5.24	
132 2-Chlorotoluene	126	12.280	12.280	0.000	96	278300	5.00	5.26	
133 1,3,5-Trimethylbenzene	105	12.341	12.341	0.000	94	998109	5.00	5.25	
134 4-Chlorotoluene	126	12.371	12.371	0.000	98	287911	5.00	5.30	
135 tert-Butylbenzene	134	12.585	12.585	0.000	94	227156	5.00	5.25	
136 Pentachloroethane	167	12.615	12.615	0.000	95	183433	5.00	5.34	
137 1,2,4-Trimethylbenzene	105	12.627	12.627	0.000	97	1024249	5.00	5.29	
138 sec-Butylbenzene	105	12.749	12.749	0.000	94	1262163	5.00	5.20	
139 1,3-Dichlorobenzene	146	12.853	12.847	0.006	98	552624	5.00	5.25	
140 4-Isopropyltoluene	119	12.859	12.859	0.000	97	1113152	5.00	5.23	
* 141 1,4-Dichlorobenzene-d4	152	12.908	12.908	0.000	94	845338	10.0	10.0	
142 1,4-Dichlorobenzene	146	12.926	12.926	0.000	96	551842	5.00	5.14	
143 1,2,3-Trimethylbenzene	120	12.932	12.932	0.000	99	452141	5.00	5.17	
144 Benzyl chloride	126	12.999	12.999	0.000	98	83229	5.00	5.57	
145 p-Diethylbenzene	119	13.133	13.133	0.000	96	667973	5.00	5.21	
146 n-Butylbenzene	92	13.158	13.158	0.000	97	527930	5.00	5.37	
147 1,2-Dichlorobenzene	146	13.182	13.182	0.000	99	505190	5.00	5.38	
149 1,2-Dibromo-3-Chloropropane	155	13.731	13.731	0.000	85	28121	5.00	5.74	
150 1,3,5-Trichlorobenzene	180	13.859	13.859	0.000	98	418630	5.00	5.36	
151 1,2,4-Trichlorobenzene	180	14.286	14.286	0.000	94	358585	5.00	5.35	
152 Hexachlorobutadiene	225	14.365	14.371	-0.006	94	138378	5.00	5.11	
153 Naphthalene	128	14.462	14.462	0.000	97	639417	5.00	5.52	
154 1,2,3-Trichlorobenzene	180	14.609	14.603	0.006	96	308911	5.00	5.32	
157 Pentane	43		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_LL_#1_826_00150	Amount Added:	5.00	Units: uL	
MSV_LL_GAS826_00238	Amount Added:	5.00	Units: uL	
MSV_LL_#2_826_00157	Amount Added:	5.00	Units: uL	
MSV_LLcentISS_00014	Amount Added:	5.00	Units: uL	Run Reagent

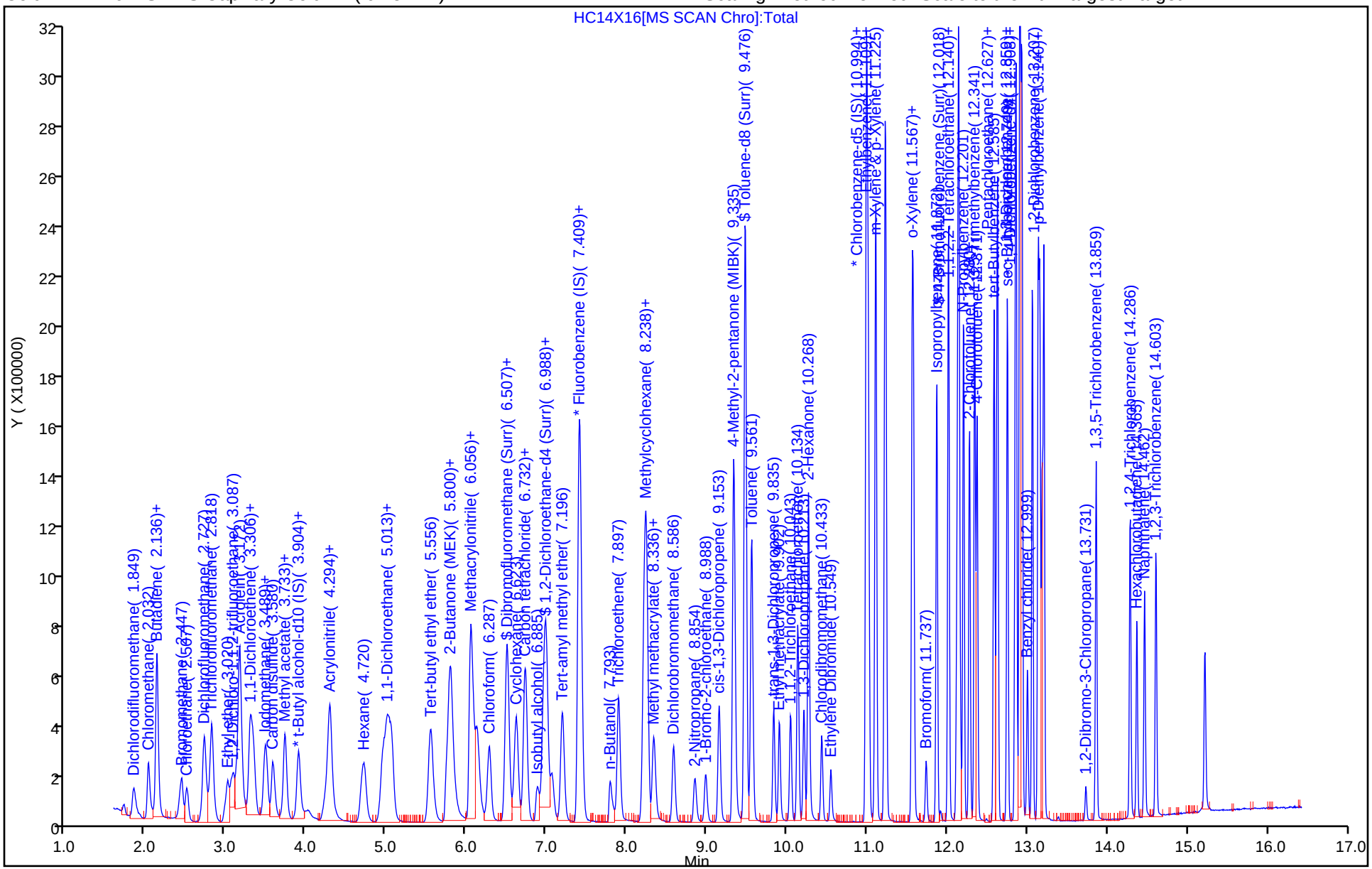
Report Date: 17-Oct-2024 09:44:46 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X16.D

Injection Date:	14-Oct-2024 23:18:30	Instrument ID:	19094	Operator ID:	gaw91131
Lims ID:	IC std5 5			Worklist Smp#:	17
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

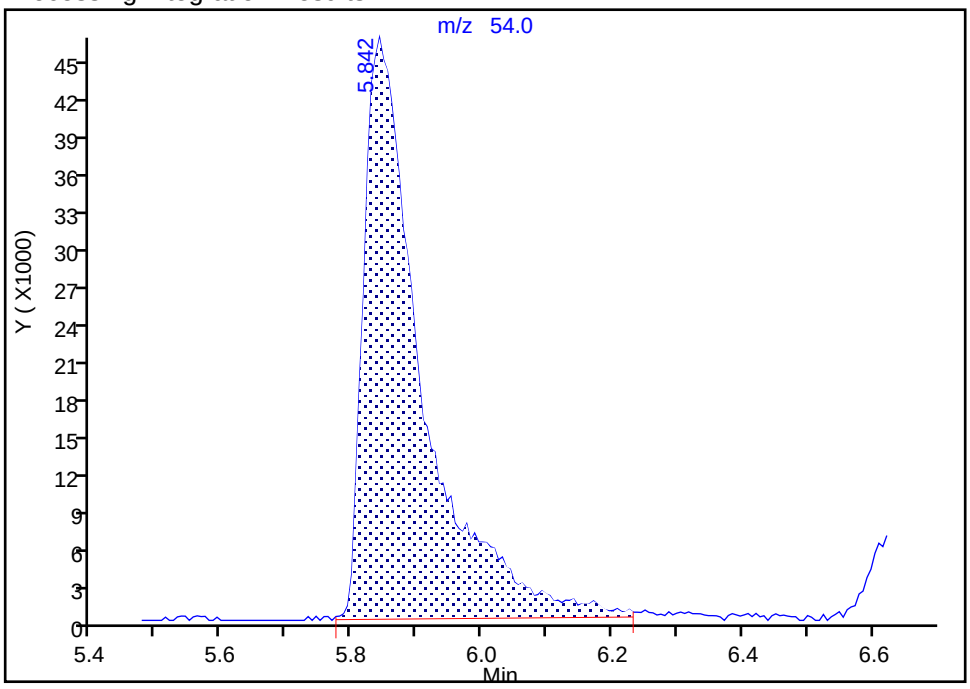
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Injection Date: 14-Oct-2024 23:18:30 Instrument ID: 19094
Lims ID: IC std5 5
Client ID:
Operator ID: gaw91131 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

44 Propionitrile, CAS: 107-12-0

Signal: 1

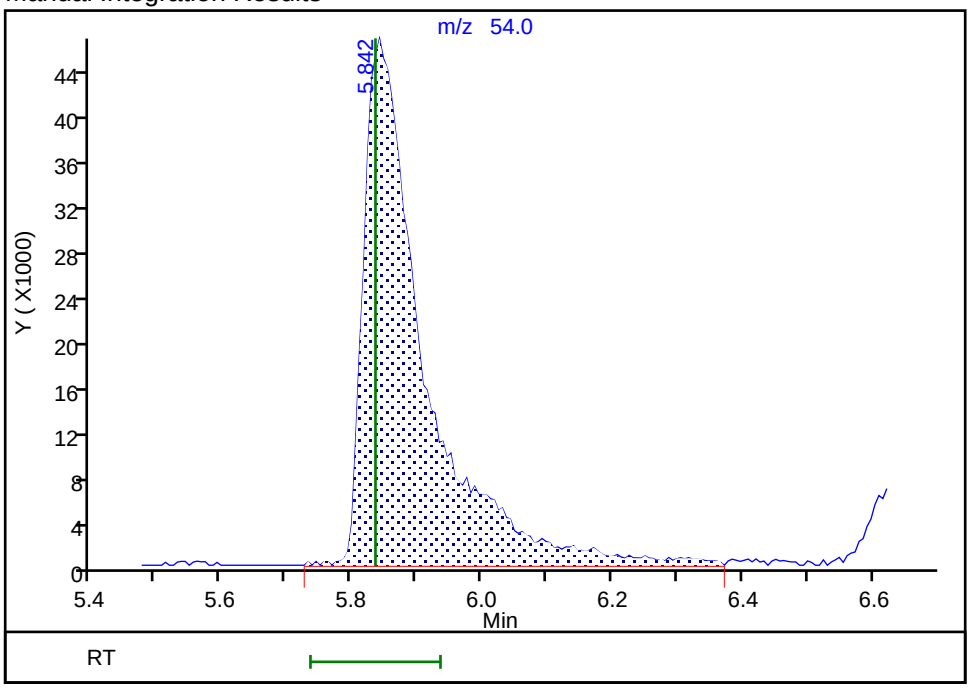
Processing Integration Results

RT: 5.84
Area: 289811
Amount: 106.5563
Amount Units: ug/l



Manual Integration Results

RT: 5.84
Area: 299079
Amount: 119.5701
Amount Units: ug/l



Reviewer: DVW2, 15-Oct-2024 08:14:18 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

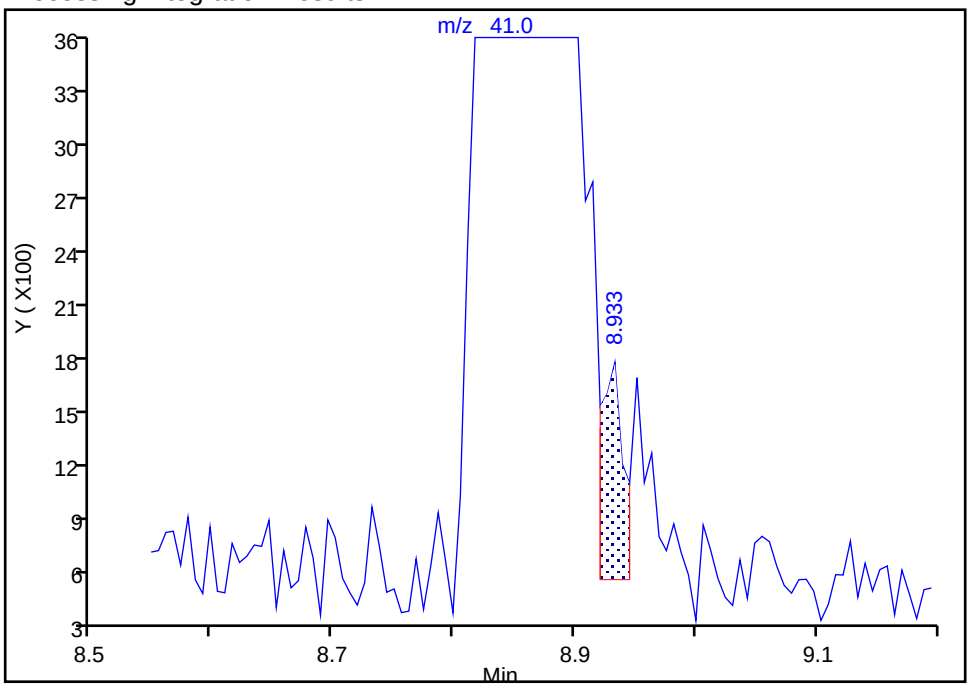
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Injection Date: 14-Oct-2024 23:18:30 Instrument ID: 19094
Lims ID: IC std5 5
Client ID:
Operator ID: gaw91131 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

77 2-Nitropropane, CAS: 79-46-9

Signal: 1

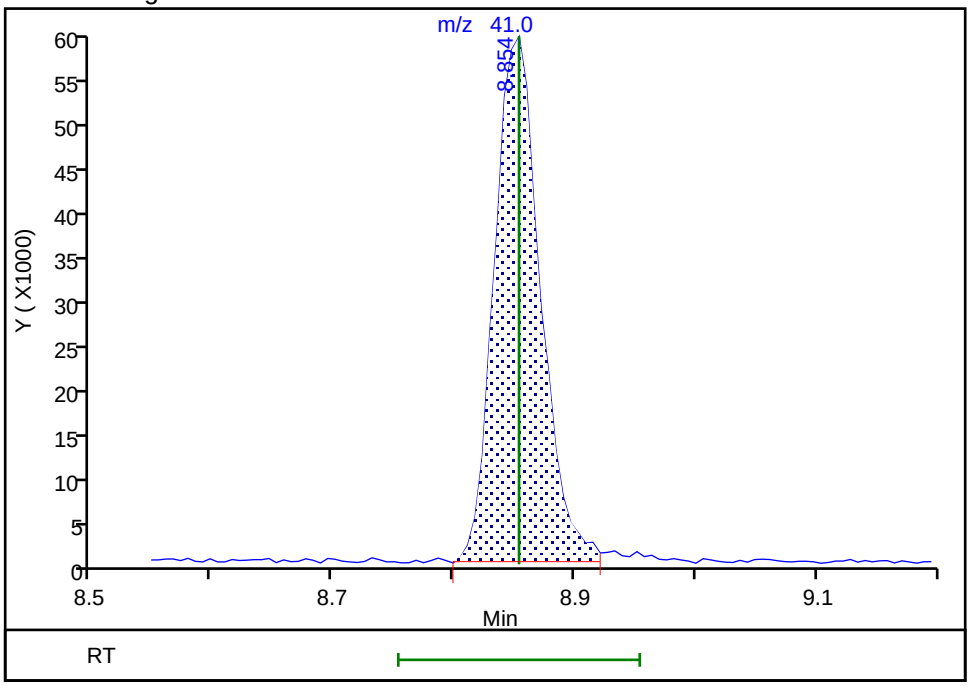
Processing Integration Results

RT: 8.93
Area: 1562
Amount: 0.371868
Amount Units: ug/l



Manual Integration Results

RT: 8.85
Area: 157958
Amount: 25.538515
Amount Units: ug/l



Reviewer: DVW2, 15-Oct-2024 08:09:44 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

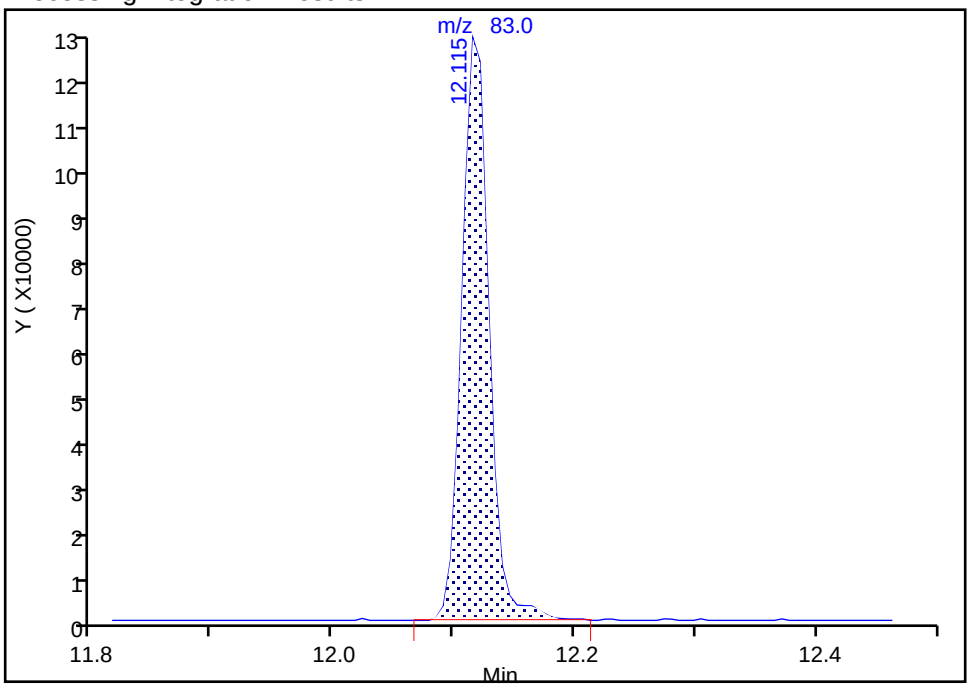
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Injection Date:	14-Oct-2024 23:18:30	Instrument ID:	19094		
Lims ID:	IC std5 5				
Client ID:					
Operator ID:	gaw91131	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

127 1,1,2,2-Tetrachloroethane, CAS: 79-34-5

Signal: 1

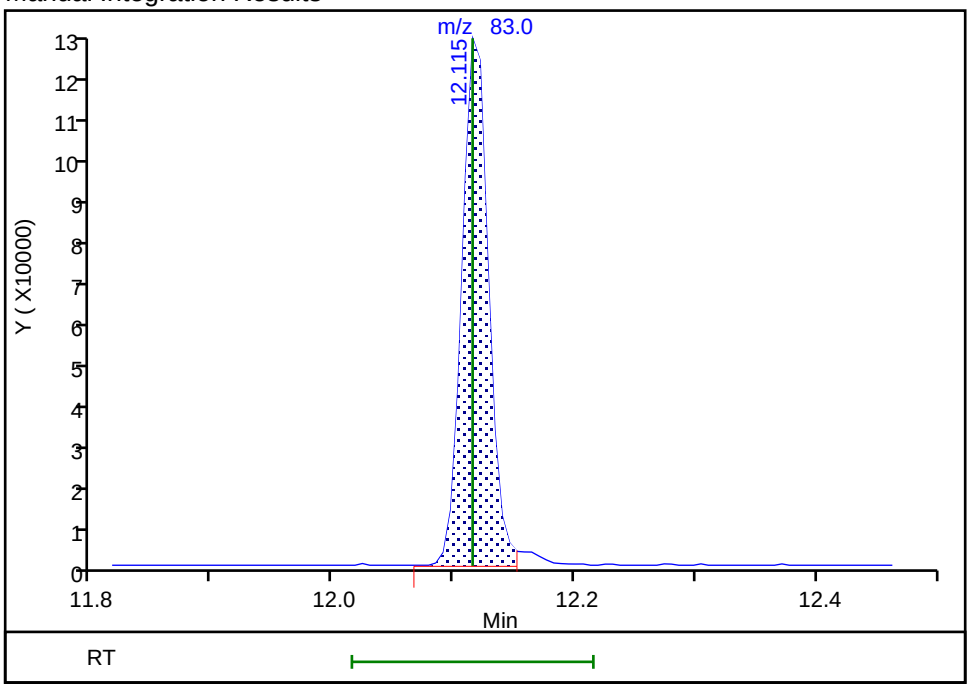
Processing Integration Results

RT: 12.12
Area: 199395
Amount: 5.346370
Amount Units: ug/l



Manual Integration Results

RT: 12.12
Area: 195091
Amount: 5.271376
Amount Units: ug/l



Reviewer: UKEK, 17-Oct-2024 08:54:23 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Baseline

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X17.D
Lims ID: ICIS 10
Client ID:
Sample Type: ICIS Calib Level: 6
Inject. Date: 14-Oct-2024 23:39:30 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0127661-018
Misc. Info.: ICIS 10
Operator ID: gaw91131 Instrument ID: 19094
Sublist: chrom-MSV_19094_25mL*sub1

Method: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 17-Oct-2024 09:45:01 Calib Date: 15-Oct-2024 00:00:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1693

First Level Reviewer: JS6E Date: 15-Oct-2024 19:12:19

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.843	1.843	0.000	99	467954	10.0	10.2	
5 Chloromethane	50	2.026	2.026	0.000	99	671586	10.0	9.77	
7 Butadiene	39	2.129	2.129	0.000	93	636695	10.0	10.0	
6 Vinyl chloride	62	2.135	2.135	0.000	98	578042	10.0	9.77	
9 Bromomethane	94	2.440	2.440	0.000	90	428901	10.0	10.1	
10 Chloroethane	64	2.507	2.507	0.000	100	378233	10.0	9.94	
11 Dichlorofluoromethane	67	2.727	2.727	0.000	97	964421	10.0	9.89	
12 Trichlorofluoromethane	101	2.806	2.806	0.000	97	667369	10.0	10.3	
14 Ethyl ether	59	3.007	3.007	0.000	92	313241	10.0	9.81	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.093	3.093	0.000	95	535868	10.0	9.78	
16 Acrolein	56	3.160	3.160	0.000	99	2597097	501.1	498.3	
17 1,1-Dichloroethene	96	3.294	3.294	0.000	98	347776	10.0	9.49	
19 Acetone	43	3.318	3.318	0.000	100	558854	100.0	92.2	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.330	3.330	0.000	91	337031	10.0	9.92	
21 Iodomethane	142	3.477	3.477	0.000	98	754125	10.0	10.1	
22 Ethyl bromide	108	3.501	3.501	0.000	99	329604	10.0	9.26	
23 Carbon disulfide	76	3.580	3.580	0.000	99	1112494	10.0	9.56	
24 Methyl acetate	43	3.702	3.702	0.000	97	178355	10.0	10.7	
26 3-Chloro-1-propene	41	3.733	3.733	0.000	92	745147	10.0	9.69	
27 Methylene Chloride	84	3.897	3.897	0.000	94	434823	10.0	9.90	
* 28 t-Butyl alcohol-d10 (IS)	65	3.903	3.903	0.000	99	108835	50.0	50.0	
29 2-Methyl-2-propanol	59	4.013	4.013	0.000	100	388248	200.0	207.4	
31 Acrylonitrile	53	4.214	4.214	0.000	99	192423	25.0	24.2	
32 Methyl tert-butyl ether	73	4.275	4.275	0.000	96	1023911	10.0	10.0	
33 trans-1,2-Dichloroethene	96	4.294	4.294	0.000	98	420233	10.0	9.82	
34 Hexane	57	4.714	4.714	0.000	93	536134	10.0	9.43	
36 1,1-Dichloroethane	63	4.946	4.946	0.000	96	838118	10.0	9.97	
37 Isopropyl ether	45	5.001	5.001	0.000	95	1532222	10.0	10.1	
38 2-Chloro-1,3-butadiene	53	5.062	5.062	0.000	91	687617	10.0	9.83	
40 Tert-butyl ethyl ether	59	5.549	5.549	0.000	98	1393799	10.0	10.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
41 2-Butanone (MEK)	43	5.751	5.751	0.000	100	1034632	100.0	98.3	
42 cis-1,2-Dichloroethene	96	5.793	5.793	0.000	83	499978	10.0	10.0	
43 2,2-Dichloropropane	77	5.805	5.805	0.000	87	672092	10.0	9.63	
44 Propionitrile	54	5.836	5.836	0.000	100	593340	200.0	207.9	M
47 Methacrylonitrile	67	6.055	6.055	0.000	93	1104722	100.0	96.3	
48 Chlorobromomethane	128	6.129	6.129	0.000	97	210770	10.0	10.4	
49 Tetrahydrofuran	71	6.141	6.141	0.000	80	146482	50.0	49.6	
50 Chloroform	83	6.281	6.281	0.000	93	789704	10.0	10.0	
$ 52 Dibromofluoromethane (Surr)	113	6.500	6.500	0.000	94	493346	10.0	10.0	
53 1,1,1-Trichloroethane	97	6.513	6.513	0.000	99	649463	10.0	9.65	
54 Cyclohexane	56	6.622	6.622	0.000	91	703493	10.0	9.60	
56 Carbon tetrachloride	117	6.732	6.732	0.000	83	566056	10.0	10.1	
55 1,1-Dichloropropene	75	6.732	6.732	0.000	95	621382	10.0	9.85	
57 Isobutyl alcohol	41	6.885	6.885	0.000	95	334719	500.0	484.8	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.964	6.964	0.000	91	102339	10.0	10.2	
59 Benzene	78	6.994	6.994	0.000	97	1919754	10.0	9.89	
60 1,2-Dichloroethane	62	7.067	7.067	0.000	97	452561	10.0	9.93	
63 Tert-amyl methyl ether	73	7.195	7.195	0.000	98	1166737	10.0	10.1	
* 64 Fluorobenzene (IS)	96	7.409	7.409	0.000	98	2106583	10.0	10.0	
65 n-Heptane	43	7.427	7.427	0.000	93	530748	10.0	9.49	a
67 n-Butanol	56	7.787	7.787	0.000	89	469560	875.0	981.0	
68 Trichloroethene	95	7.897	7.897	0.000	98	475408	10.0	9.80	
69 Methylcyclohexane	83	8.214	8.214	0.000	92	686914	10.0	9.82	
70 1,2-Dichloropropane	63	8.232	8.232	0.000	89	504100	10.0	10.3	
71 2-ethoxy-2-methyl butane	87	8.250	8.250	0.000	91	748430	10.0	10.3	
73 1,4-Dioxane	88	8.329	8.329	0.000	32	53638	500.0	629.2	M
72 Methyl methacrylate	69	8.329	8.329	0.000	92	200957	10.0	9.28	
74 Dibromomethane	93	8.348	8.348	0.000	95	215206	10.0	10.5	
76 Dichlorobromomethane	83	8.585	8.585	0.000	99	567207	10.0	10.4	
77 2-Nitropropane	41	8.854	8.854	0.000	98	312176	50.0	44.2	
79 1-Bromo-2-chloroethane	63	8.988	8.988	0.000	99	465683	10.0	10.3	
80 cis-1,3-Dichloropropene	75	9.152	9.152	0.000	96	733249	10.0	10.6	
82 4-Methyl-2-pentanone (MIBK)	43	9.335	9.335	0.000	97	2733987	100.0	94.4	
$ 83 Toluene-d8 (Surr)	98	9.475	9.475	0.000	93	2072657	10.0	9.94	
84 Toluene	92	9.561	9.561	0.000	98	1195226	10.0	9.98	
85 trans-1,3-Dichloropropene	75	9.835	9.835	0.000	94	586534	10.0	10.7	
104 Ethyl methacrylate	69	9.902	9.902	0.000	90	472191	10.0	10.7	
106 1,1,2-Trichloroethane	97	10.042	10.042	0.000	90	305541	10.0	10.1	
107 Tetrachloroethene	166	10.134	10.134	0.000	98	531546	10.0	9.83	
108 1,3-Dichloropropane	76	10.213	10.213	0.000	91	549629	10.0	10.3	
109 2-Hexanone	43	10.268	10.268	0.000	97	1856476	100.0	100.1	
111 Chlorodibromomethane	129	10.433	10.433	0.000	90	395764	10.0	11.0	
112 Ethylene Dibromide	107	10.548	10.548	0.000	99	291187	10.0	10.5	
* 113 Chlorobenzene-d5 (IS)	117	10.993	10.993	0.000	86	1520584	10.0	10.0	
114 1-Chlorohexane	91	11.006	11.006	0.000	98	628854	10.0	9.25	
115 Chlorobenzene	112	11.018	11.018	0.000	95	1303911	10.0	10.1	
116 1,1,1,2-Tetrachloroethane	131	11.103	11.103	0.000	96	463096	10.0	10.3	
117 Ethylbenzene	91	11.109	11.109	0.000	99	2331061	10.0	10.0	
119 m-Xylene & p-Xylene	106	11.225	11.225	0.000	100	1796596	20.0	20.0	
120 o-Xylene	106	11.560	11.560	0.000	97	881673	10.0	10.1	
121 Styrene	104	11.579	11.579	0.000	95	1446299	10.0	10.2	
122 Bromoform	173	11.737	11.737	0.000	98	228212	10.0	11.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
123 Isopropylbenzene	105	11.871	11.871	0.000	96	2053242	10.0	9.94	
$ 126 4-Bromofluorobenzene (Surr)	95	12.012	12.012	0.000	91	740859	10.0	9.91	
127 1,1,2,2-Tetrachloroethane	83	12.115	12.115	0.000	92	387911	10.0	10.5	M
128 Bromobenzene	156	12.134	12.134	0.000	94	539734	10.0	10.1	
129 trans-1,4-Dichloro-2-butene	53	12.140	12.140	0.000	90	983872	100.0	101.0	
130 1,2,3-Trichloropropane	110	12.164	12.164	0.000	80	97313	10.0	10.8	
131 N-Propylbenzene	91	12.201	12.201	0.000	99	2735595	10.0	10.1	
132 2-Chlorotoluene	126	12.280	12.280	0.000	97	544845	10.0	10.3	
133 1,3,5-Trimethylbenzene	105	12.341	12.341	0.000	94	1956957	10.0	10.3	
134 4-Chlorotoluene	126	12.371	12.371	0.000	98	557441	10.0	10.3	
135 tert-Butylbenzene	134	12.585	12.585	0.000	94	448820	10.0	10.4	
136 Pentachloroethane	167	12.615	12.615	0.000	95	362738	10.0	10.5	
137 1,2,4-Trimethylbenzene	105	12.627	12.627	0.000	97	1995968	10.0	10.3	
138 sec-Butylbenzene	105	12.749	12.749	0.000	94	2449888	10.0	10.1	
139 1,3-Dichlorobenzene	146	12.847	12.847	0.000	99	1076868	10.0	10.2	
140 4-Isopropyltoluene	119	12.859	12.859	0.000	97	2183616	10.0	10.2	
* 141 1,4-Dichlorobenzene-d4	152	12.908	12.908	0.000	93	846649	10.0	10.0	
142 1,4-Dichlorobenzene	146	12.926	12.926	0.000	94	1082569	10.0	10.1	
143 1,2,3-Trimethylbenzene	120	12.932	12.932	0.000	99	885074	10.0	10.1	
144 Benzyl chloride	126	12.999	12.999	0.000	99	164795	10.0	11.0	
145 p-Diethylbenzene	119	13.133	13.133	0.000	94	1306214	10.0	10.2	
146 n-Butylbenzene	92	13.158	13.158	0.000	96	1020906	10.0	10.4	
147 1,2-Dichlorobenzene	146	13.182	13.182	0.000	98	985687	10.0	10.5	
149 1,2-Dibromo-3-Chloropropane	155	13.731	13.731	0.000	86	58093	10.0	11.8	
150 1,3,5-Trichlorobenzene	180	13.859	13.859	0.000	98	824916	10.0	10.5	
151 1,2,4-Trichlorobenzene	180	14.286	14.286	0.000	94	708917	10.0	10.6	
152 Hexachlorobutadiene	225	14.371	14.371	0.000	94	271223	10.0	10.0	
153 Naphthalene	128	14.462	14.462	0.000	97	1263500	10.0	10.9	
154 1,2,3-Trichlorobenzene	180	14.603	14.603	0.000	95	615896	10.0	10.6	
157 Pentane	43		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_LL_#1_826_00150	Amount Added: 10.00	Units: uL	
MSV_LL_GAS826_00238	Amount Added: 10.00	Units: uL	
MSV_LL_#2_826_00157	Amount Added: 10.00	Units: uL	
MSV_LLcentISS_00014	Amount Added: 5.00	Units: uL	Run Reagent

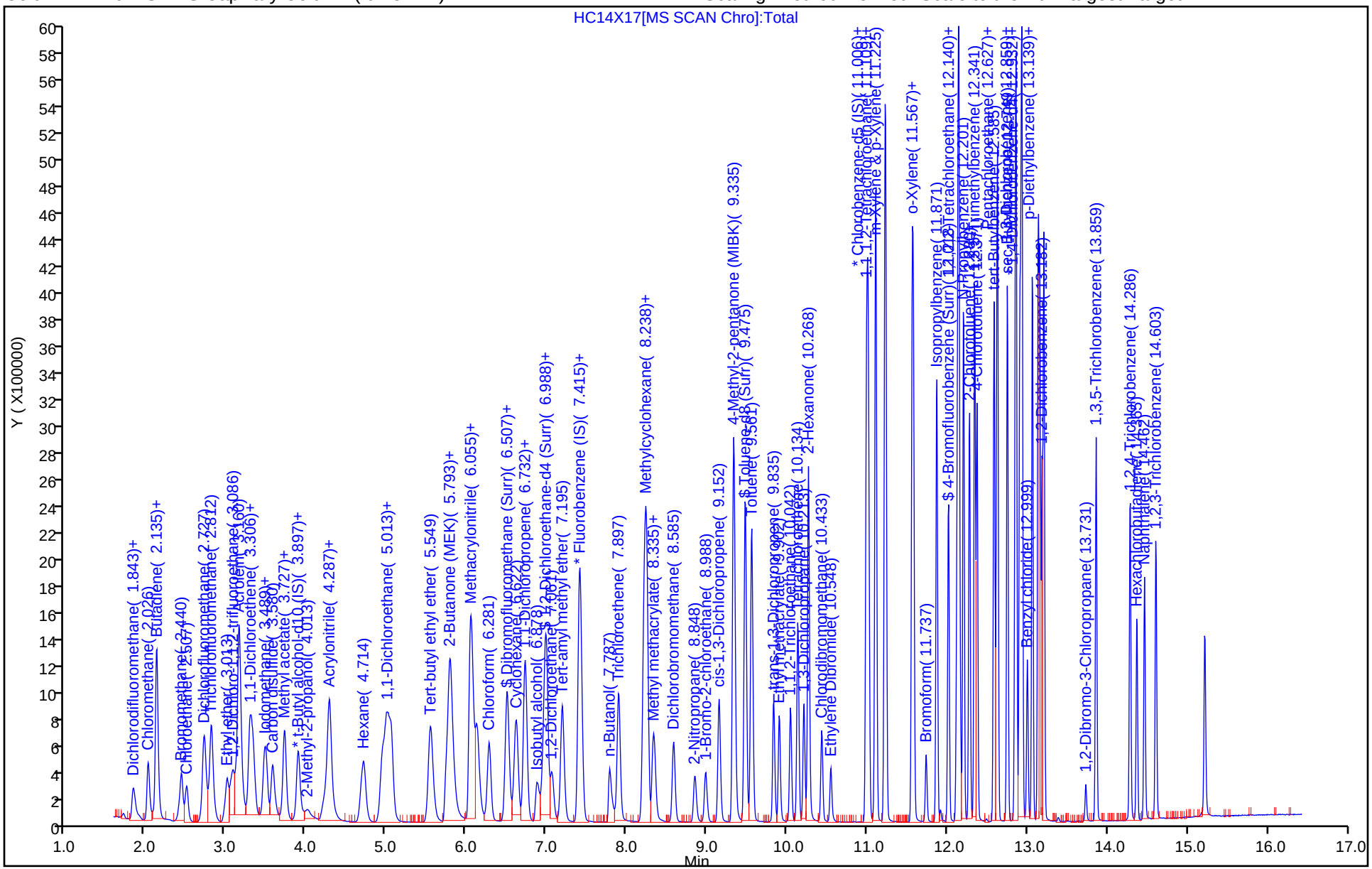
Report Date: 17-Oct-2024 09:45:02 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X17.D

Injection Date:	14-Oct-2024 23:39:30	Instrument ID:	19094	Operator ID:	gaw91131
Lims ID:	ICIS 10			Worklist Smp#:	18
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

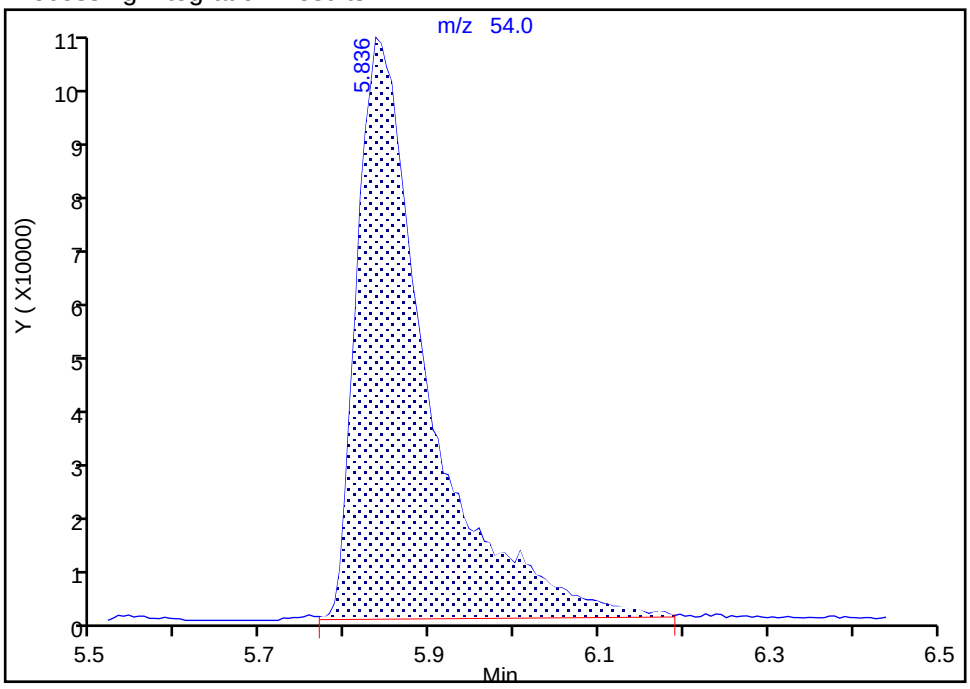
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Injection Date: 14-Oct-2024 23:39:30 Instrument ID: 19094
Lims ID: ICIS 10
Client ID:
Operator ID: gaw91131 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

44 Propionitrile, CAS: 107-12-0

Signal: 1

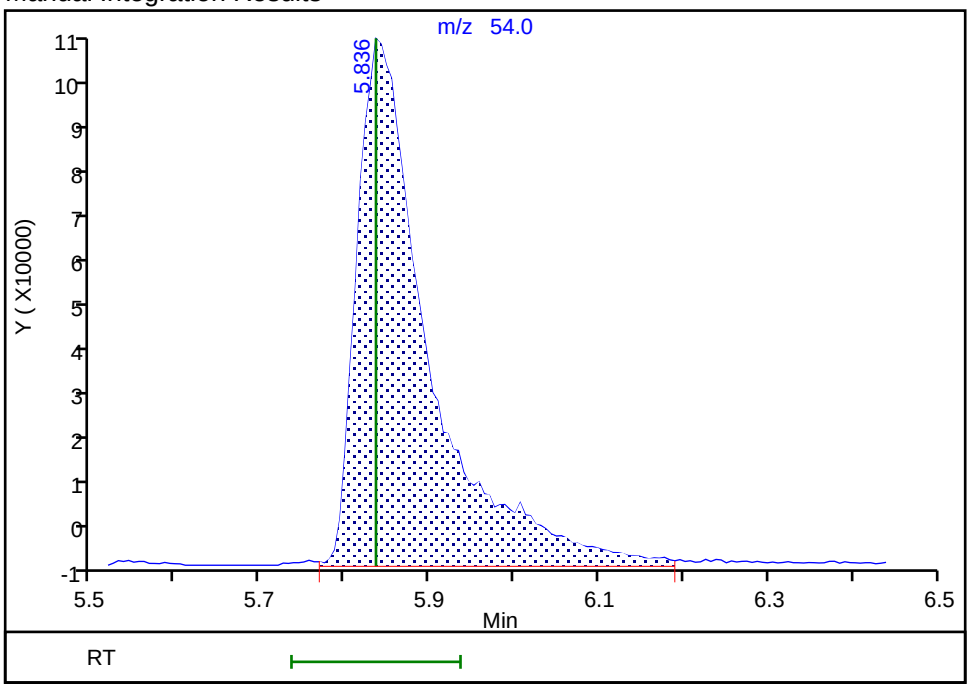
Processing Integration Results

RT: 5.84
Area: 587924
Amount: 182.4782
Amount Units: ug/l



Manual Integration Results

RT: 5.84
Area: 593340
Amount: 207.9401
Amount Units: ug/l



Reviewer: DVW2, 15-Oct-2024 08:14:32 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

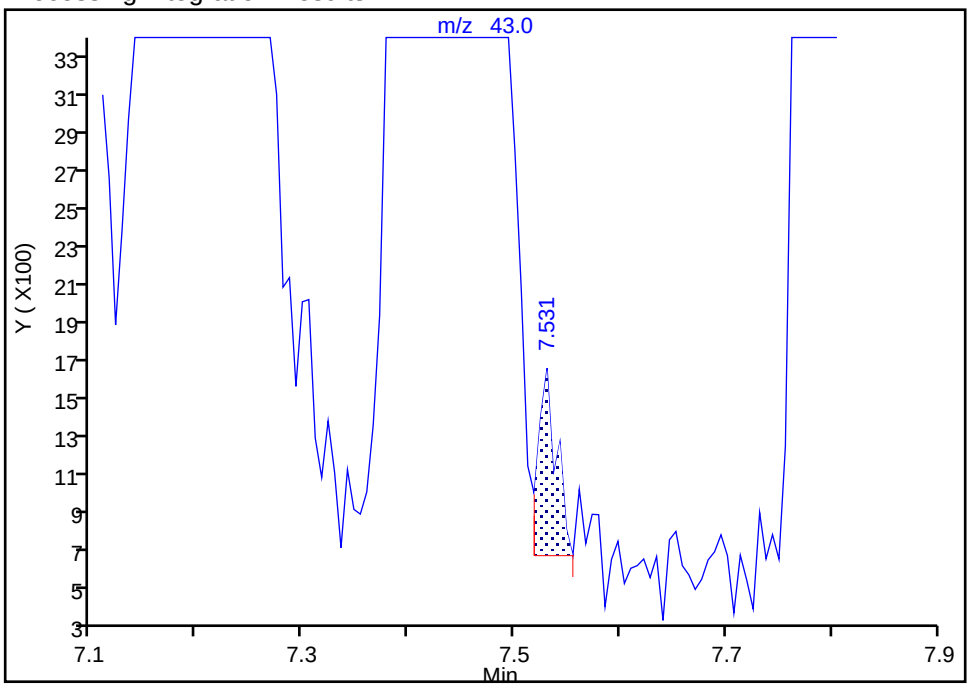
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Injection Date: 14-Oct-2024 23:39:30 Instrument ID: 19094
Lims ID: ICIS 10
Client ID:
Operator ID: gaw91131 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

65 n-Heptane, CAS: 142-82-5

Signal: 1

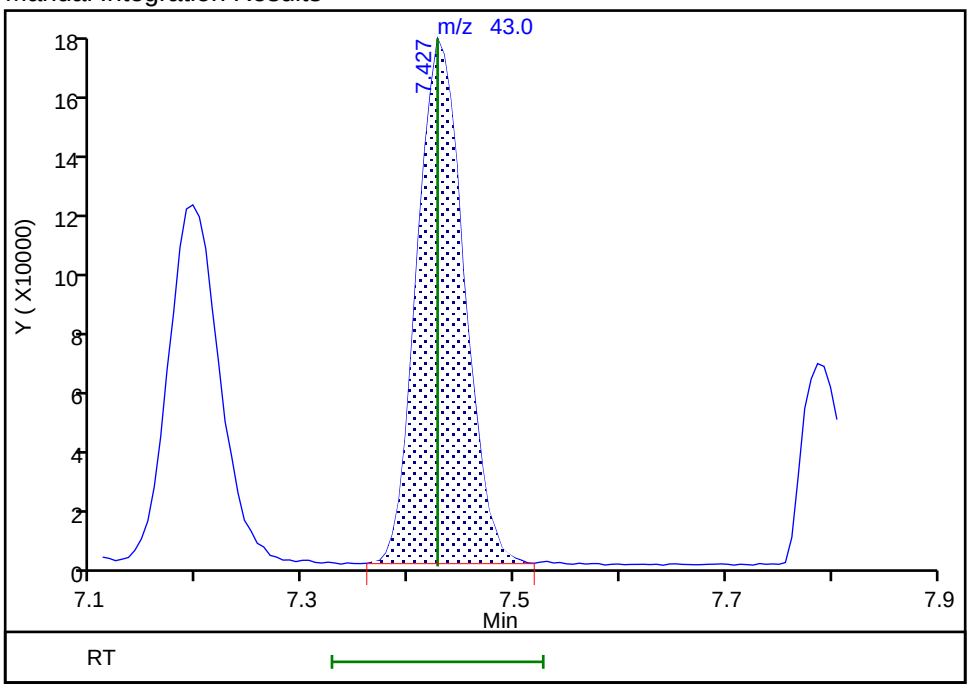
Processing Integration Results

RT: 7.53
Area: 1128
Amount: 0.031533
Amount Units: ug/l



Manual Integration Results

RT: 7.43
Area: 530748
Amount: 9.488558
Amount Units: ug/l



Reviewer: DVW2, 15-Oct-2024 08:07:46 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

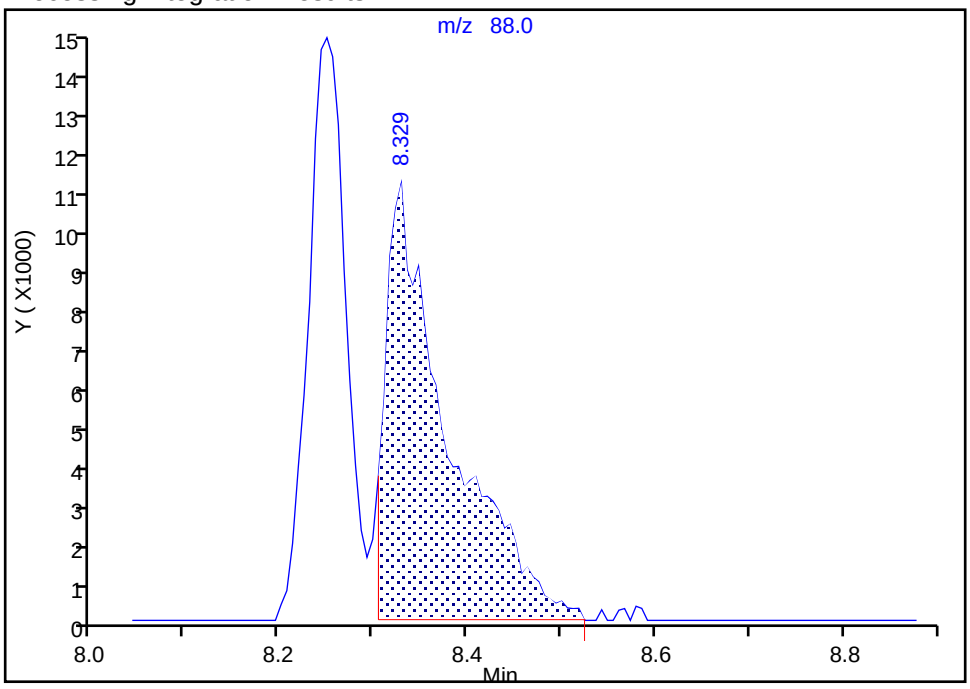
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Injection Date:	14-Oct-2024 23:39:30	Instrument ID:	19094		
Lims ID:	ICIS 10				
Client ID:					
Operator ID:	gaw91131	ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

73 1,4-Dioxane, CAS: 123-91-1

Signal: 1

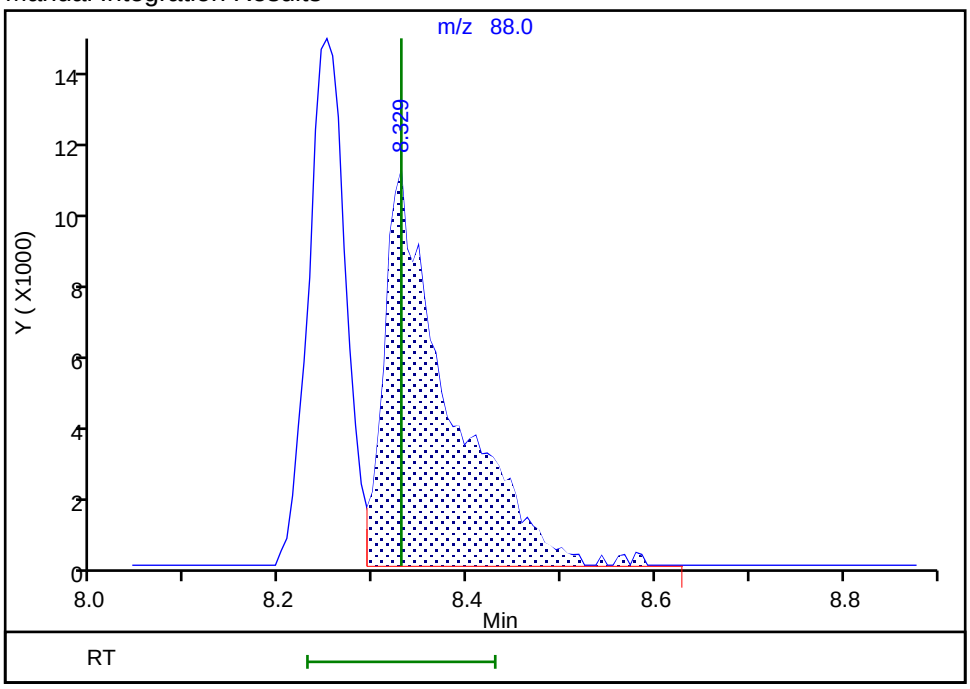
Processing Integration Results

RT: 8.33
Area: 51735
Amount: 500.2997
Amount Units: ug/l



Manual Integration Results

RT: 8.33
Area: 53638
Amount: 629.2228
Amount Units: ug/l



Reviewer: DVW2, 15-Oct-2024 08:08:03 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

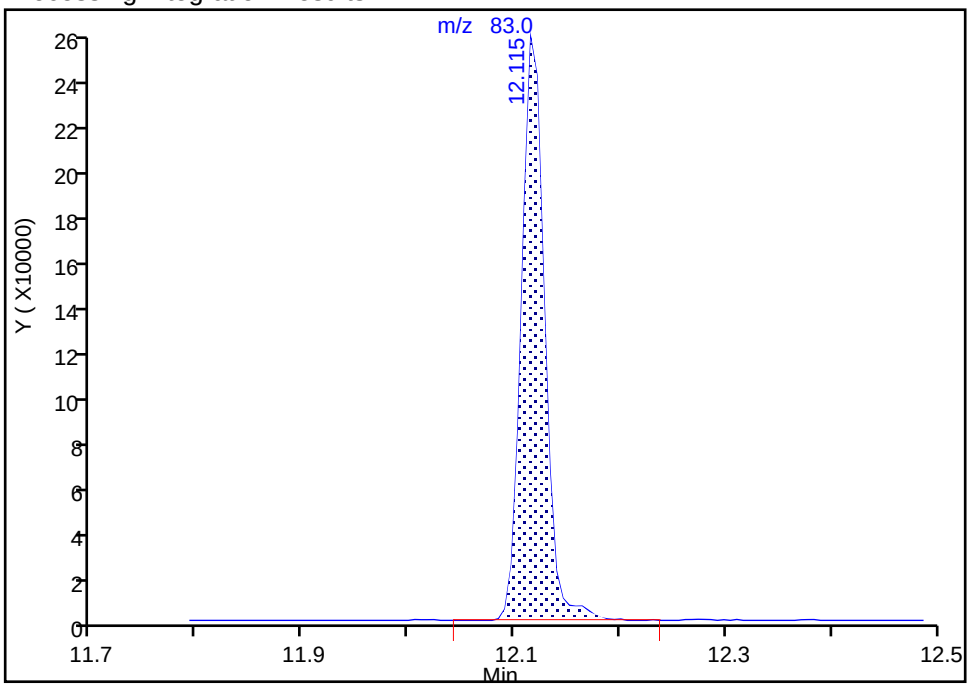
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Injection Date:	14-Oct-2024 23:39:30	Instrument ID:	19094		
Lims ID:	ICIS 10				
Client ID:					
Operator ID:	gaw91131	ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

127 1,1,2,2-Tetrachloroethane, CAS: 79-34-5

Signal: 1

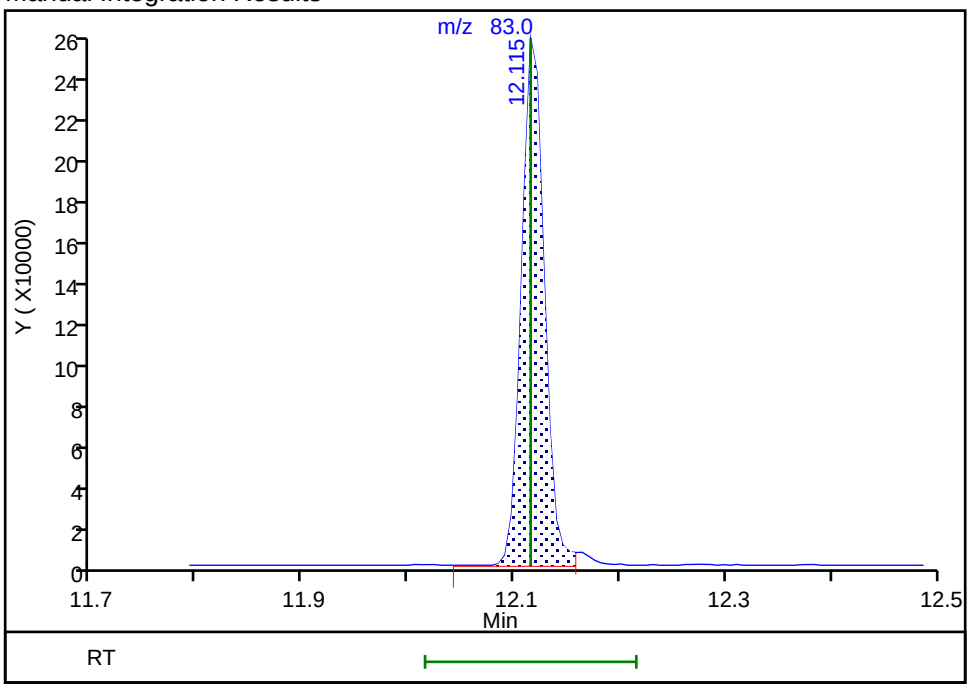
Processing Integration Results

RT: 12.12
Area: 393818
Amount: 10.577954
Amount Units: ug/l



Manual Integration Results

RT: 12.12
Area: 387911
Amount: 10.465160
Amount Units: ug/l



Reviewer: UKEK, 17-Oct-2024 08:54:48 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Baseline

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X18.D
Lims ID: IC std7 25
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 15-Oct-2024 00:00:30 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0127661-019
Misc. Info.: IC std7 25
Operator ID: gaw91131 Instrument ID: 19094
Sublist: chrom-MSV_19094_25mL*sub1

Method: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 17-Oct-2024 09:45:10 Calib Date: 15-Oct-2024 00:00:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1693

First Level Reviewer: DVW2 Date: 15-Oct-2024 08:09:11

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.849	1.843	0.006	99	1238585	25.0	26.3	
5 Chloromethane	50	2.038	2.026	0.012	99	1705552	25.0	24.3	
7 Butadiene	39	2.142	2.129	0.013	94	1636446	25.0	25.2	
6 Vinyl chloride	62	2.142	2.135	0.007	98	1552850	25.0	25.7	
9 Bromomethane	94	2.446	2.440	0.006	90	1130540	25.0	26.0	
10 Chloroethane	64	2.513	2.507	0.006	100	987165	25.0	25.4	
11 Dichlorofluoromethane	67	2.733	2.727	0.006	97	2547586	25.0	25.6	
12 Trichlorofluoromethane	101	2.812	2.806	0.006	98	1773971	25.0	26.7	
14 Ethyl ether	59	3.019	3.007	0.012	93	851294	25.0	26.1	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.099	3.093	0.006	94	1418629	25.0	25.3	
16 Acrolein	56	3.166	3.160	0.006	100	6316377	1252.7	1395.7	
17 1,1-Dichloroethene	96	3.306	3.294	0.012	98	1039302	25.0	27.7	
19 Acetone	43	3.324	3.318	0.006	100	1288841	250.0	245.0	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.343	3.330	0.013	92	1056825	25.0	30.4	
21 Iodomethane	142	3.483	3.477	0.006	98	2152117	25.0	28.1	
22 Ethyl bromide	108	3.507	3.501	0.006	98	988133	25.0	27.2	
23 Carbon disulfide	76	3.586	3.580	0.006	99	3396338	25.0	28.6	
24 Methyl acetate	43	3.708	3.702	0.006	97	411148	25.0	28.5	
26 3-Chloro-1-propene	41	3.733	3.733	0.000	92	2158514	25.0	27.5	
27 Methylene Chloride	84	3.909	3.897	0.012	93	1207287	25.0	26.9	
* 28 t-Butyl alcohol-d10 (IS)	65	3.909	3.903	0.006	98	94503	50.0	50.0	
29 2-Methyl-2-propanol	59	4.025	4.013	0.012	99	813824	500.0	500.7	
31 Acrylonitrile	53	4.214	4.214	0.000	98	533438	62.5	77.3	
32 Methyl tert-butyl ether	73	4.287	4.275	0.012	96	2690302	25.0	25.8	
33 trans-1,2-Dichloroethene	96	4.300	4.294	0.006	99	1230622	25.0	28.1	
34 Hexane	57	4.720	4.714	0.006	93	1677582	25.0	28.9	
36 1,1-Dichloroethane	63	4.952	4.946	0.006	96	2407999	25.0	28.0	
37 Isopropyl ether	45	5.013	5.001	0.012	95	4217491	25.0	27.1	
38 2-Chloro-1,3-butadiene	53	5.068	5.062	0.006	91	2074567	25.0	29.0	
40 Tert-butyl ethyl ether	59	5.562	5.549	0.013	98	3756951	25.0	26.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
41 2-Butanone (MEK)	43	5.763	5.751	0.012	100	2479715	250.0	271.4	
42 cis-1,2-Dichloroethene	96	5.799	5.793	0.006	83	1402199	25.0	27.5	
43 2,2-Dichloropropane	77	5.812	5.805	0.007	88	1956303	25.0	27.4	
44 Propionitrile	54	5.842	5.836	0.006	99	1466109	500.0	591.7	M
47 Methacrylonitrile	67	6.062	6.055	0.007	93	2762990	250.0	277.4	
48 Chlorobromomethane	128	6.135	6.129	0.006	96	561466	25.0	27.1	
49 Tetrahydrofuran	71	6.153	6.141	0.012	79	356954	125.0	139.1	
S 46 1,2-Dichloroethene, Total	100				0			55.6	
50 Chloroform	83	6.287	6.281	0.006	93	2214256	25.0	27.4	
$ 52 Dibromofluoromethane (Surr)	113	6.507	6.500	0.007	94	497919	10.0	9.91	
53 1,1,1-Trichloroethane	97	6.519	6.513	0.006	99	1916247	25.0	27.9	
54 Cyclohexane	56	6.622	6.622	0.000	91	2161892	25.0	28.9	
56 Carbon tetrachloride	117	6.738	6.732	0.006	82	1708016	25.0	29.8	
55 1,1-Dichloropropene	75	6.738	6.732	0.006	95	1859535	25.0	28.8	
57 Isobutyl alcohol	41	6.885	6.885	0.000	96	754898	1250.0	1259.2	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.964	6.964	0.000	96	99990	10.0	9.79	
59 Benzene	78	7.000	6.994	0.006	96	5520477	25.0	27.8	
60 1,2-Dichloroethane	62	7.074	7.067	0.007	97	1253315	25.0	26.9	
63 Tert-amyl methyl ether	73	7.202	7.195	0.007	98	3127690	25.0	26.6	
* 64 Fluorobenzene (IS)	96	7.415	7.409	0.006	99	2152918	10.0	10.0	
65 n-Heptane	43	7.433	7.427	0.006	93	1640251	25.0	28.7	a
67 n-Butanol	56	7.787	7.787	0.000	89	1040677	2187.5	2503.9	
68 Trichloroethene	95	7.903	7.897	0.006	98	1379273	25.0	27.8	
69 Methylcyclohexane	83	8.214	8.214	0.000	93	2164475	25.0	30.3	
70 1,2-Dichloropropane	63	8.238	8.232	0.006	98	1387692	25.0	27.6	
71 2-ethoxy-2-methyl butane	87	8.256	8.250	0.006	91	2048574	25.0	27.5	
73 1,4-Dioxane	88	8.329	8.329	0.000	31	100171	1250.0	1353.3	M
72 Methyl methacrylate	69	8.329	8.329	0.000	91	553281	25.0	29.4	
74 Dibromomethane	93	8.348	8.348	0.000	95	571213	25.0	27.2	
76 Dichlorobromomethane	83	8.592	8.585	0.007	99	1576851	25.0	28.2	
77 2-Nitropropane	41	8.854	8.854	0.000	97	801242	125.0	130.8	
79 1-Bromo-2-chloroethane	63	8.988	8.988	0.000	99	1272855	25.0	27.6	
80 cis-1,3-Dichloropropene	75	9.158	9.152	0.006	95	2016647	25.0	28.5	
82 4-Methyl-2-pentanone (MIBK)	43	9.341	9.335	0.006	97	6868110	250.0	273.1	
$ 83 Toluene-d8 (Surr)	98	9.482	9.475	0.007	94	2123824	10.0	10.0	
84 Toluene	92	9.561	9.561	0.000	98	3409369	25.0	28.1	
85 trans-1,3-Dichloropropene	75	9.835	9.835	0.000	93	1591072	25.0	28.5	
104 Ethyl methacrylate	69	9.902	9.902	0.000	90	1235192	25.0	27.6	
106 1,1,2-Trichloroethane	97	10.049	10.042	0.007	90	797441	25.0	25.9	
S 105 1,3-Dichloropropene, Total	100				0			57.0	
107 Tetrachloroethene	166	10.140	10.134	0.006	98	1576140	25.0	28.7	
108 1,3-Dichloropropane	76	10.213	10.213	0.000	91	1469461	25.0	27.2	
109 2-Hexanone	43	10.268	10.268	0.000	97	4671399	250.0	290.0	
111 Chlorodibromomethane	129	10.433	10.433	0.000	90	1066114	25.0	29.1	
112 Ethylene Dibromide	107	10.548	10.548	0.000	99	767665	25.0	27.4	
* 113 Chlorobenzene-d5 (IS)	117	10.993	10.993	0.000	86	1542964	10.0	10.0	
114 1-Chlorohexane	91	11.006	11.006	0.000	99	1872671	25.0	27.1	
115 Chlorobenzene	112	11.018	11.018	0.000	95	3679485	25.0	28.1	
116 1,1,1,2-Tetrachloroethane	131	11.103	11.103	0.000	98	1291098	25.0	28.4	
117 Ethylbenzene	91	11.109	11.109	0.000	99	6753201	25.0	28.6	
119 m-Xylene & p-Xylene	106	11.231	11.225	0.006	99	5227396	50.0	57.2	
S 118 Xylenes, Total	106				0			85.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
120 o-Xylene	106	11.567	11.560	0.007	97	2495057	25.0	28.1	
121 Styrene	104	11.579	11.579	0.000	95	4079075	25.0	28.3	
122 Bromoform	173	11.737	11.737	0.000	98	625785	25.0	30.8	
123 Isopropylbenzene	105	11.871	11.871	0.000	96	6001755	25.0	28.6	
$ 126 4-Bromofluorobenzene (Surr)	95	12.018	12.012	0.006	92	758031	10.0	10.0	
127 1,1,2,2-Tetrachloroethane	83	12.115	12.115	0.000	92	992034	25.0	25.8	M
128 Bromobenzene	156	12.133	12.134	-0.001	95	1499730	25.0	27.0	
129 trans-1,4-Dichloro-2-butene	53	12.146	12.140	0.006	90	2573053	250.0	304.2	
130 1,2,3-Trichloropropane	110	12.164	12.164	0.000	80	253788	25.0	27.2	
131 N-Propylbenzene	91	12.207	12.201	0.006	99	8022866	25.0	28.6	
132 2-Chlorotoluene	126	12.280	12.280	0.000	97	1575287	25.0	28.6	
133 1,3,5-Trimethylbenzene	105	12.341	12.341	0.000	94	5684032	25.0	28.8	
134 4-Chlorotoluene	126	12.371	12.371	0.000	98	1600788	25.0	28.4	
135 tert-Butylbenzene	134	12.585	12.585	0.000	94	1314199	25.0	29.2	
136 Pentachloroethane	167	12.615	12.615	0.000	94	1063535	25.0	29.8	
137 1,2,4-Trimethylbenzene	105	12.627	12.627	0.000	97	5788353	25.0	28.8	
138 sec-Butylbenzene	105	12.749	12.749	0.000	94	7291823	25.0	28.9	
139 1,3-Dichlorobenzene	146	12.847	12.847	0.000	98	3077602	25.0	28.2	
140 4-Isopropyltoluene	119	12.859	12.859	0.000	97	6517695	25.0	29.5	
* 141 1,4-Dichlorobenzene-d4	152	12.908	12.908	0.000	93	878058	10.0	10.0	
142 1,4-Dichlorobenzene	146	12.926	12.926	0.000	96	3080229	25.0	27.6	
143 1,2,3-Trimethylbenzene	120	12.932	12.932	0.000	99	2526546	25.0	27.8	
144 Benzyl chloride	126	12.999	12.999	0.000	99	441034	25.0	28.4	
145 p-Diethylbenzene	119	13.133	13.133	0.000	96	3883407	25.0	29.2	
146 n-Butylbenzene	92	13.158	13.158	0.000	98	3073736	25.0	30.1	
147 1,2-Dichlorobenzene	146	13.182	13.182	0.000	99	2740282	25.0	28.1	
149 1,2-Dibromo-3-Chloropropane	155	13.731	13.731	0.000	89	149245	25.0	29.3	
150 1,3,5-Trichlorobenzene	180	13.859	13.859	0.000	98	2379362	25.0	29.3	
151 1,2,4-Trichlorobenzene	180	14.286	14.286	0.000	94	2019000	25.0	29.0	
152 Hexachlorobutadiene	225	14.365	14.371	-0.006	95	849290	25.0	30.2	
153 Naphthalene	128	14.462	14.462	0.000	97	3255883	25.0	27.1	
154 1,2,3-Trichlorobenzene	180	14.603	14.603	0.000	96	1702491	25.0	28.2	
157 Pentane	43		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_LL_#1_826_00150	Amount Added: 25.00	Units: uL	
MSV_LL_GAS826_00238	Amount Added: 25.00	Units: uL	
MSV_LL_#2_826_00157	Amount Added: 25.00	Units: uL	
MSV_LLcentISS_00014	Amount Added: 5.00	Units: uL	Run Reagent

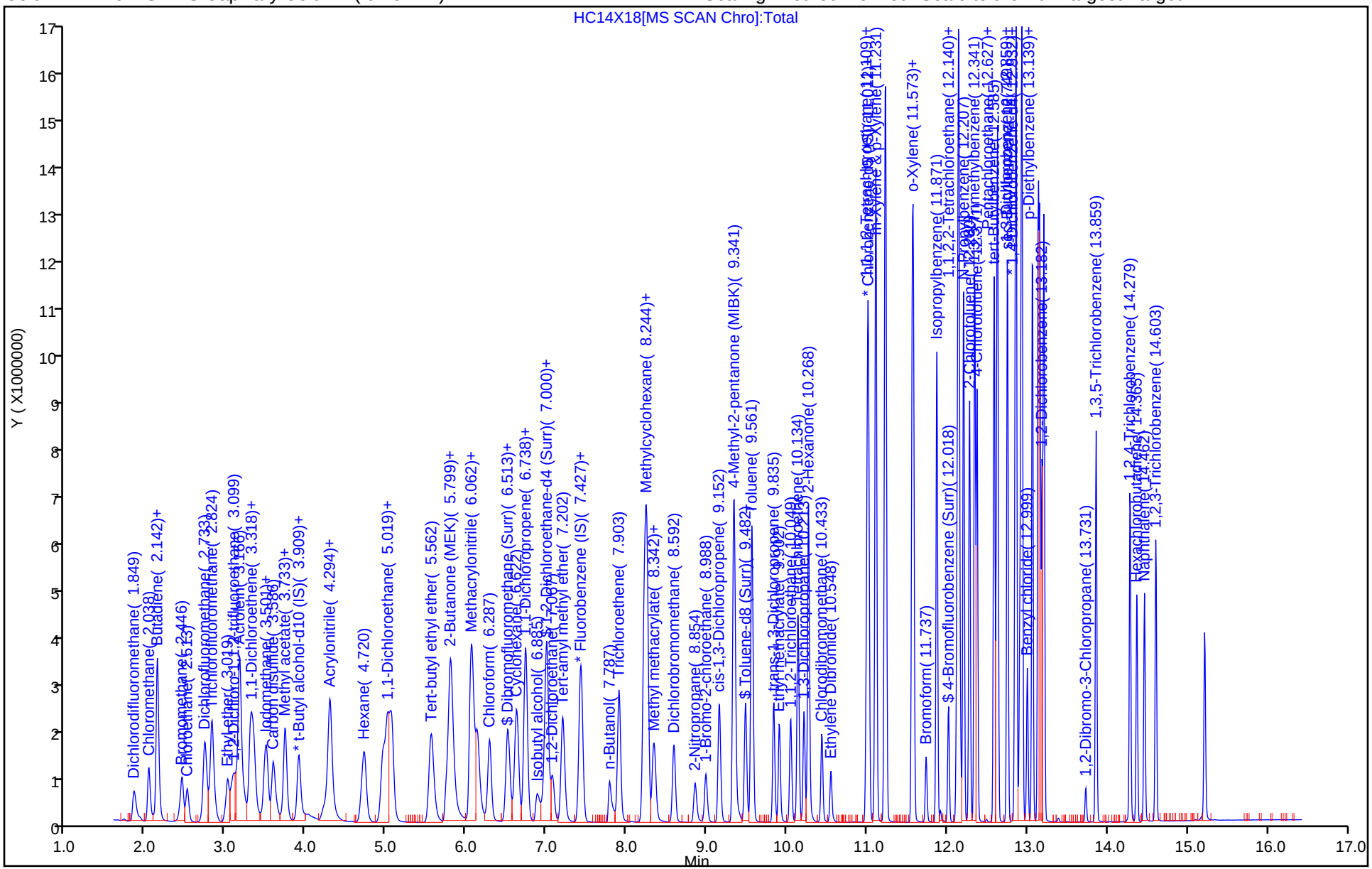
Report Date: 17-Oct-2024 09:45:10 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X18.D

Injection Date:	15-Oct-2024 00:00:30	Instrument ID:	19094	Operator ID:	gaw91131
Lims ID:	IC std7 25			Worklist Smp#:	19
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

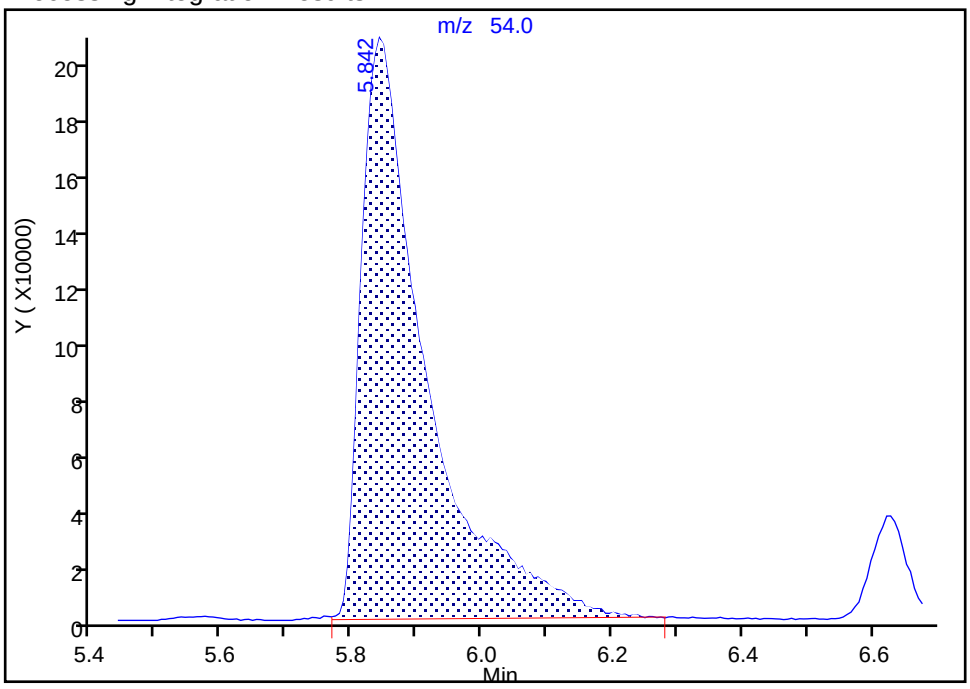
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Lims ID:	IC std7 25				
Client ID:					
Operator ID:	gaw91131	ALS Bottle#:	18	Worklist Smp#:	19
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

44 Propionitrile, CAS: 107-12-0

Signal: 1

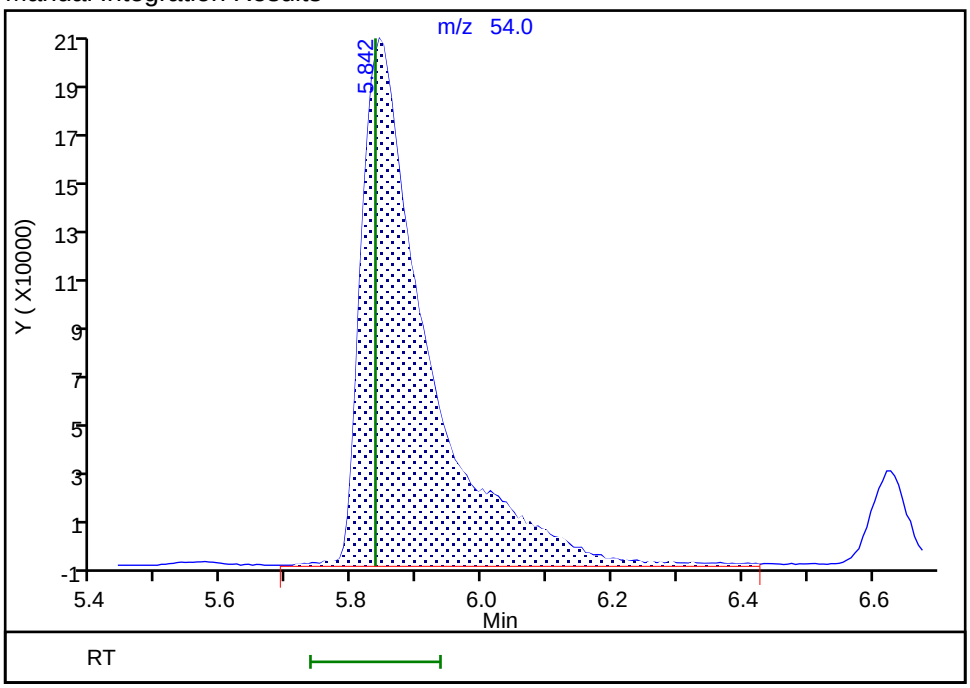
Processing Integration Results

RT: 5.84
Area: 1437626
Amount: 504.8541
Amount Units: ug/l



Manual Integration Results

RT: 5.84
Area: 1466109
Amount: 591.7304
Amount Units: ug/l



Reviewer: DVW2, 15-Oct-2024 08:14:55 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

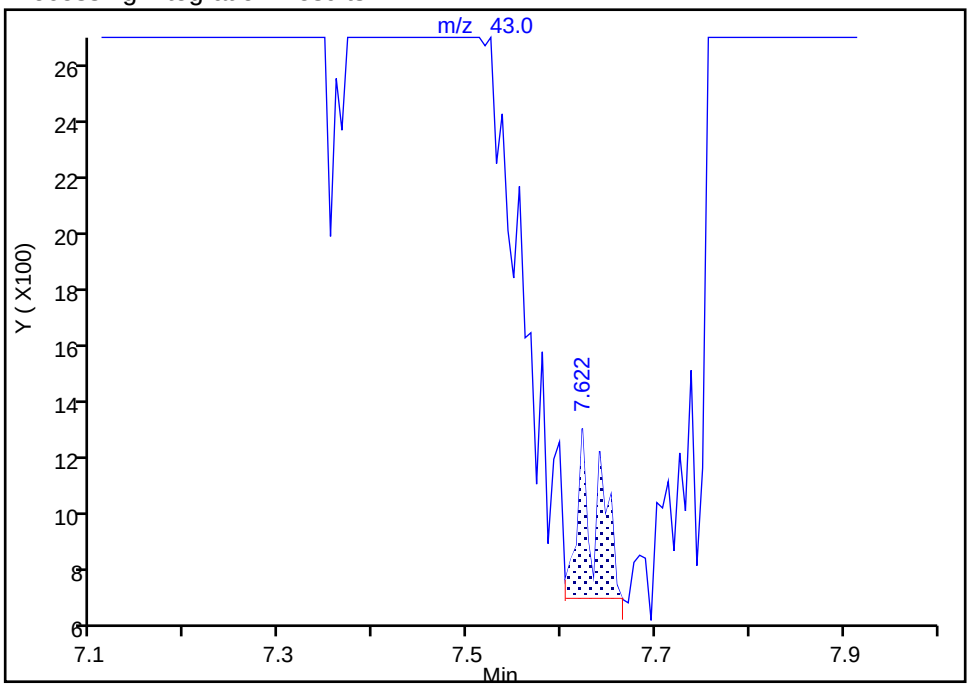
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Injection Date: 15-Oct-2024 00:00:30 Instrument ID: 19094
Lims ID: IC std7 25
Client ID:
Operator ID: gaw91131 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

65 n-Heptane, CAS: 142-82-5

Signal: 1

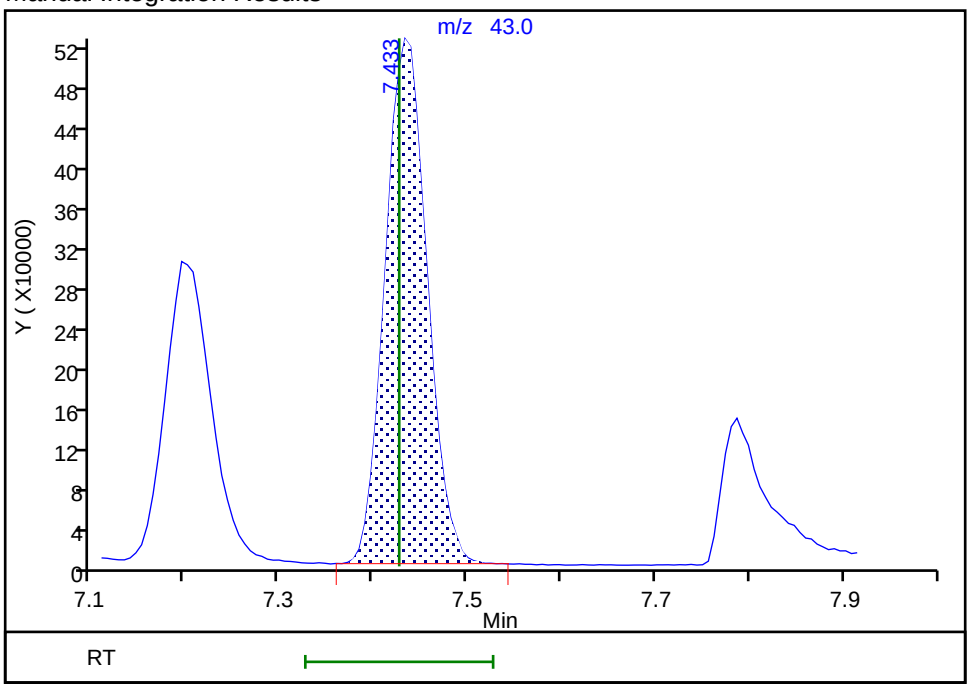
Processing Integration Results

RT: 7.62
Area: 874
Amount: 0.022368
Amount Units: ug/l



Manual Integration Results

RT: 7.43
Area: 1640251
Amount: 28.692822
Amount Units: ug/l



Reviewer: DVW2, 15-Oct-2024 08:08:43 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

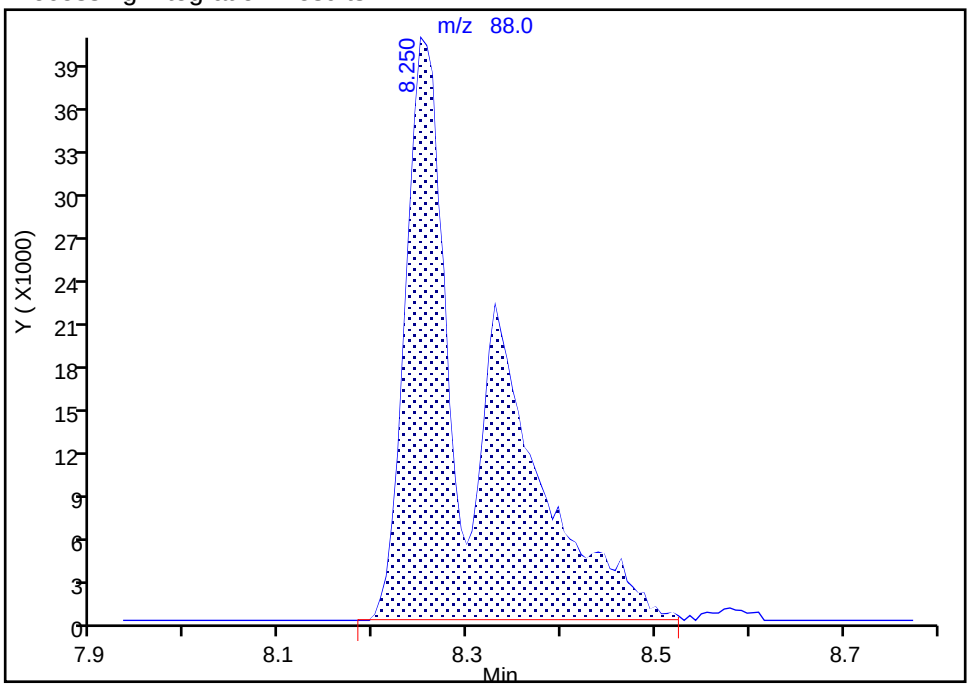
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Injection Date: 15-Oct-2024 00:00:30 Instrument ID: 19094
Lims ID: IC std7 25
Client ID:
Operator ID: gaw91131 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

73 1,4-Dioxane, CAS: 123-91-1

Signal: 1

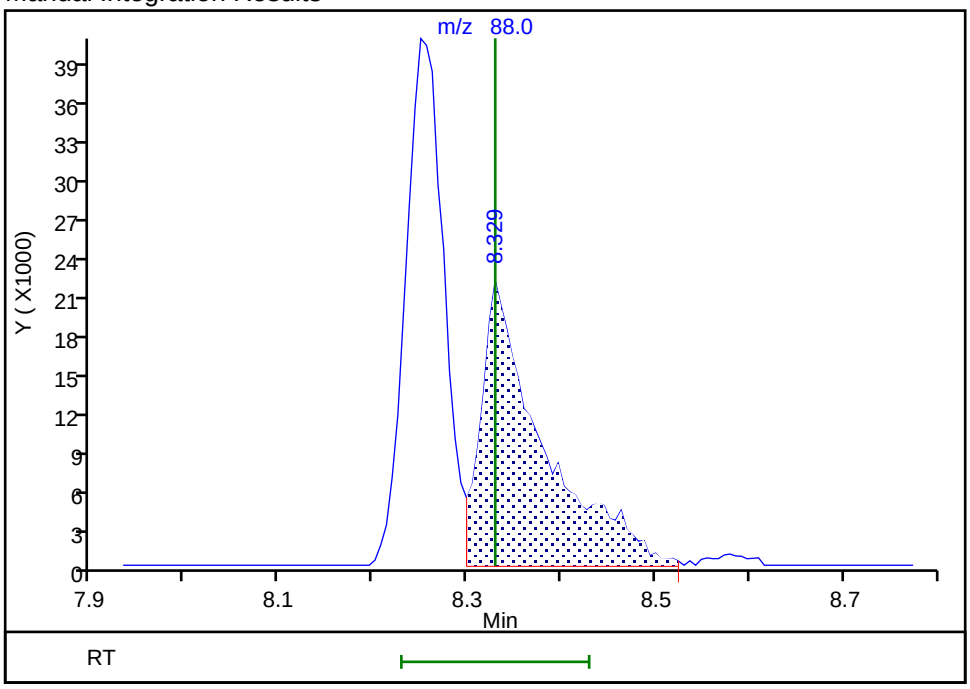
Processing Integration Results

RT: 8.25
Area: 213435
Amount: 1250.2103
Amount Units: ug/l



Manual Integration Results

RT: 8.33
Area: 100171
Amount: 1353.3088
Amount Units: ug/l



Reviewer: DVW2, 15-Oct-2024 08:08:52 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

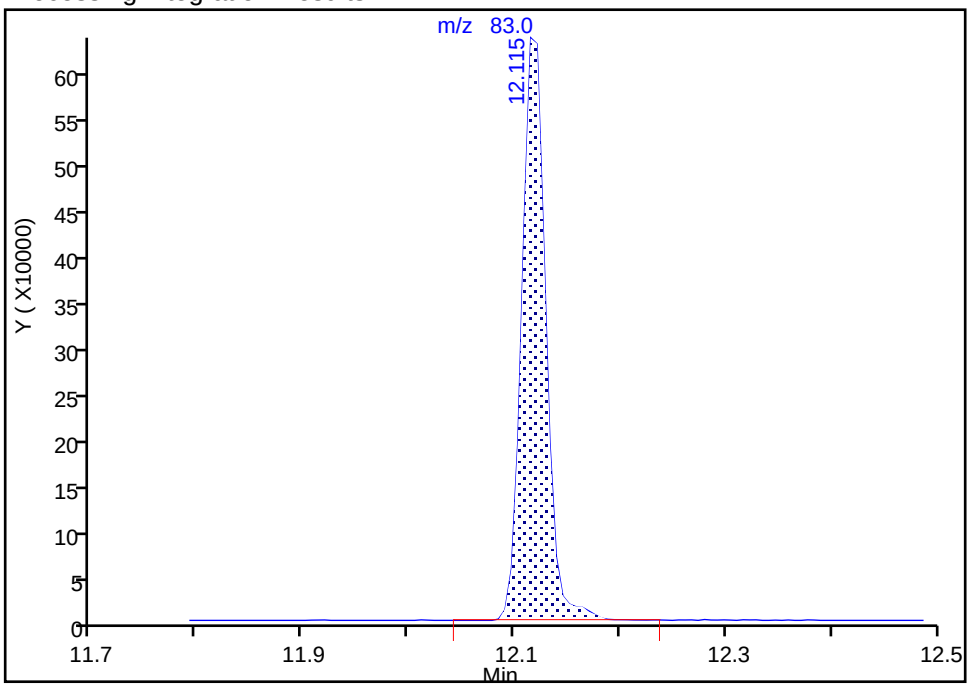
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Injection Date:	15-Oct-2024 00:00:30	Instrument ID:	19094		
Lims ID:	IC std7 25				
Client ID:					
Operator ID:	gaw91131	ALS Bottle#:	18	Worklist Smp#:	19
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

127 1,1,2,2-Tetrachloroethane, CAS: 79-34-5

Signal: 1

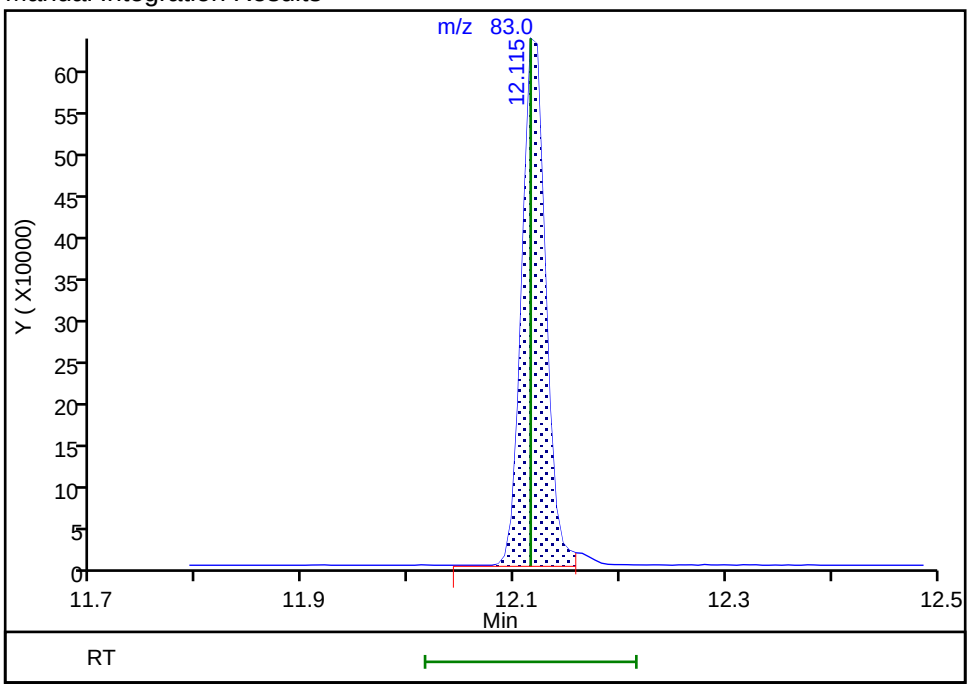
Processing Integration Results

RT: 12.12
Area: 1006334
Amount: 26.122452
Amount Units: ug/l



Manual Integration Results

RT: 12.12
Area: 992034
Amount: 25.805991
Amount Units: ug/l



Reviewer: UKEK, 17-Oct-2024 08:55:13 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Baseline

Calibration / Dichlorodifluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

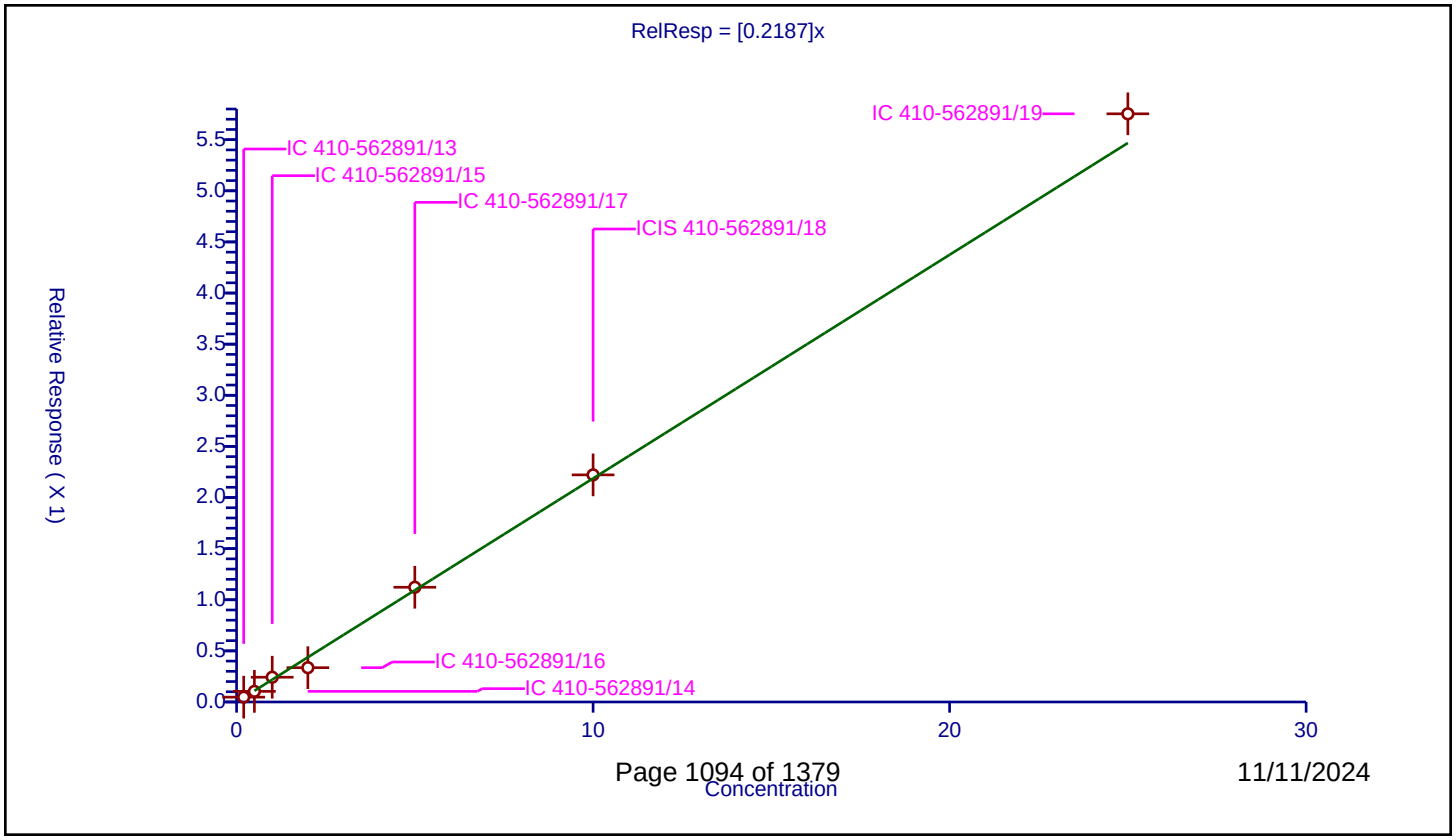
Curve Coefficients

Intercept:	0
Slope:	0.2187

Error Coefficients

Relative Standard Deviation:	11.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.047264	10.0	2082750.0	0.236322	Y
2	IC 410-562891/14	0.5	0.104011	10.0	2073531.0	0.208022	Y
3	IC 410-562891/15	1.0	0.24207	10.0	2064073.0	0.24207	Y
4	IC 410-562891/16	2.0	0.335682	10.0	2072912.0	0.167841	Y
5	IC 410-562891/17	5.0	1.122348	10.0	2077057.0	0.22447	Y
6	ICIS 410-562891/18	10.0	2.221389	10.0	2106583.0	0.222139	Y
7	IC 410-562891/19	25.0	5.753052	10.0	2152918.0	0.230122	Y



Calibration / Chloromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

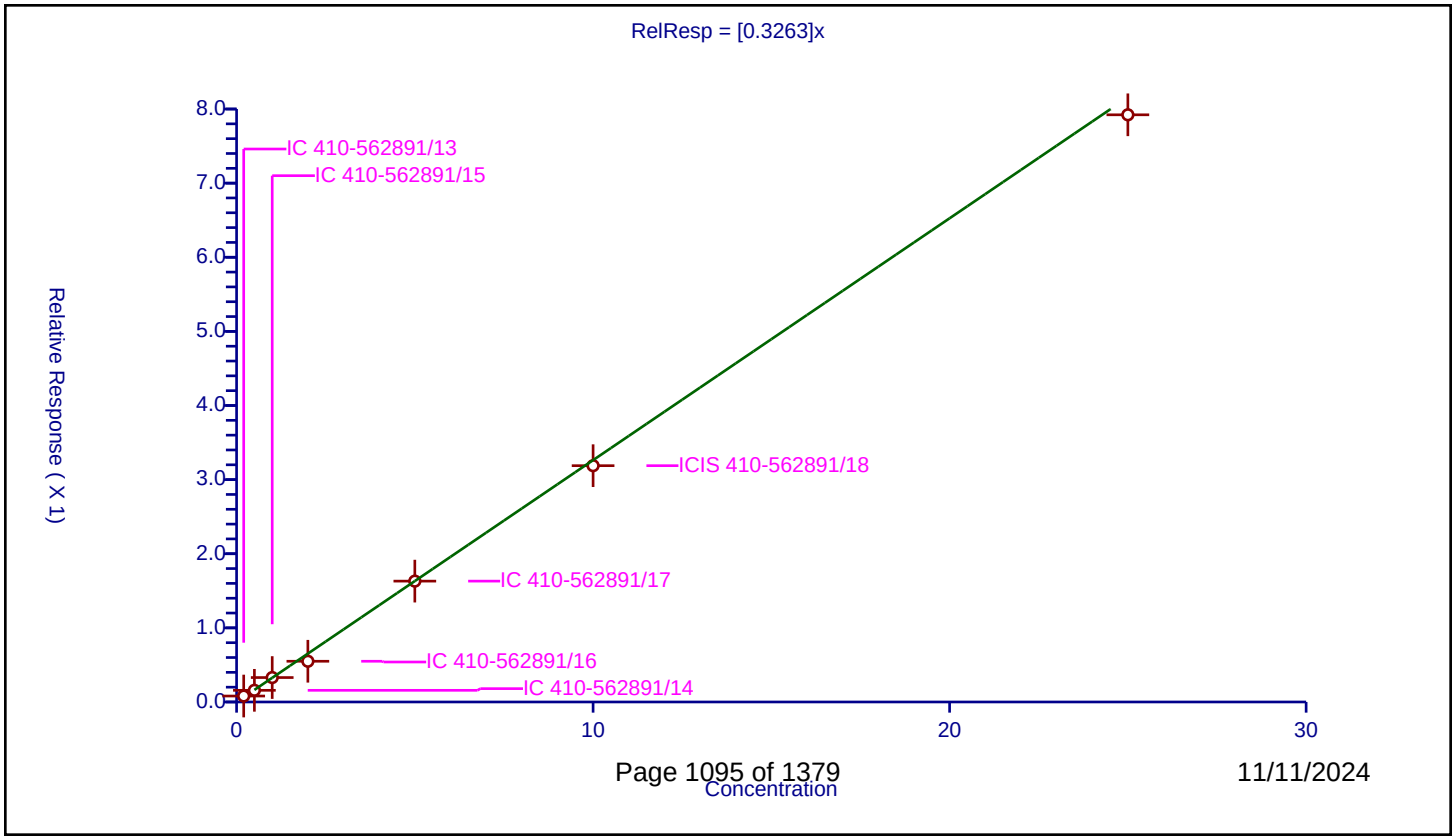
Curve Coefficients

Intercept:	0
Slope:	0.3263

Error Coefficients

Relative Standard Deviation:	11.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.080552	10.0	2082750.0	0.402761	Y
2	IC 410-562891/14	0.5	0.157572	10.0	2073531.0	0.315144	Y
3	IC 410-562891/15	1.0	0.32962	10.0	2064073.0	0.32962	Y
4	IC 410-562891/16	2.0	0.549411	10.0	2072912.0	0.274705	Y
5	IC 410-562891/17	5.0	1.630494	10.0	2077057.0	0.326099	Y
6	ICIS 410-562891/18	10.0	3.188035	10.0	2106583.0	0.318803	Y
7	IC 410-562891/19	25.0	7.922048	10.0	2152918.0	0.316882	Y



Calibration / Butadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

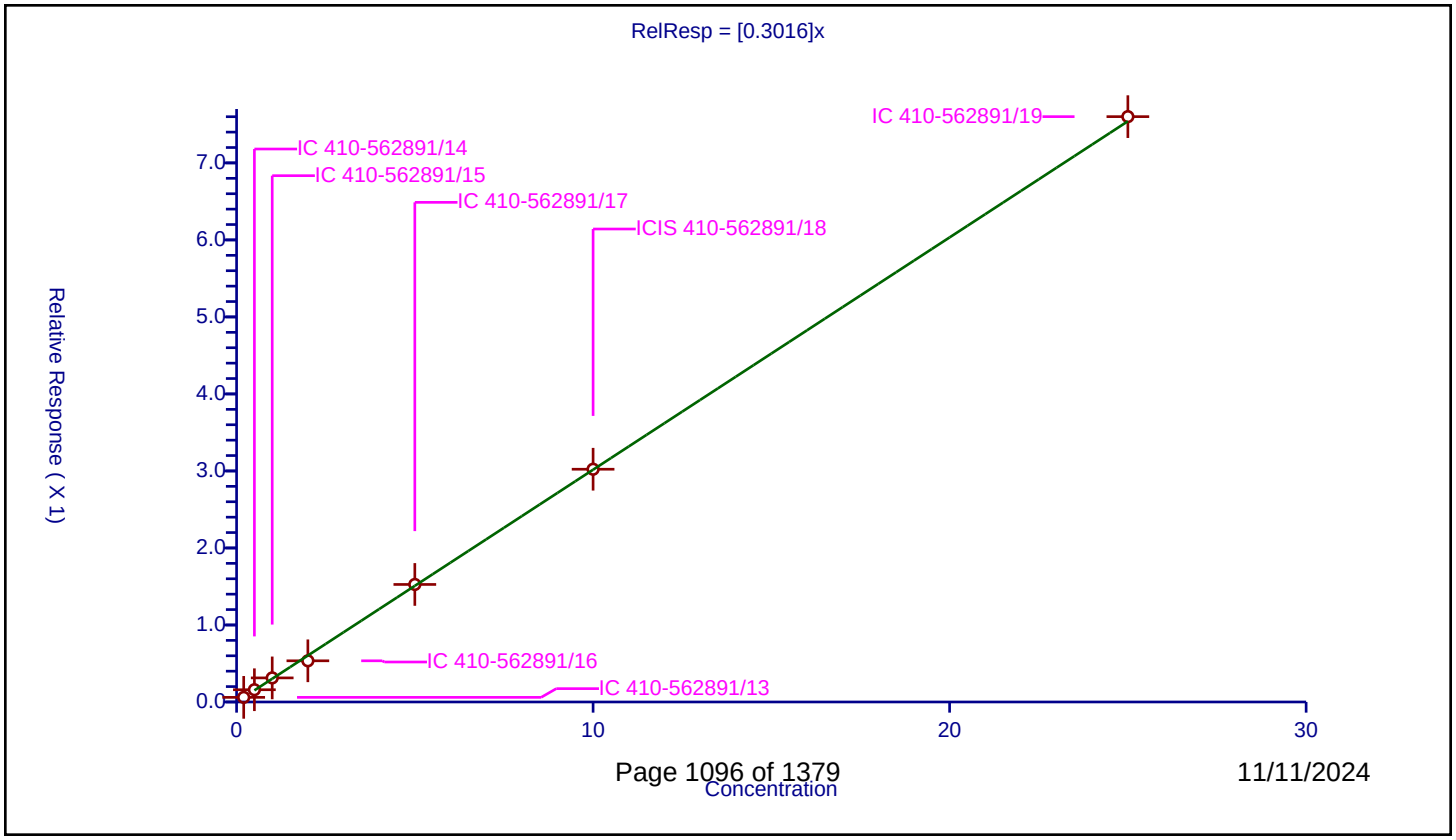
Curve Coefficients

Intercept:	0
Slope:	0.3016

Error Coefficients

Relative Standard Deviation:	5.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.060218	10.0	2082750.0	0.301092	Y
2	IC 410-562891/14	0.5	0.159279	10.0	2073531.0	0.318558	Y
3	IC 410-562891/15	1.0	0.312862	10.0	2064073.0	0.312862	Y
4	IC 410-562891/16	2.0	0.534919	10.0	2072912.0	0.267459	Y
5	IC 410-562891/17	5.0	1.526102	10.0	2077057.0	0.30522	Y
6	ICIS 410-562891/18	10.0	3.022406	10.0	2106583.0	0.302241	Y
7	IC 410-562891/19	25.0	7.601061	10.0	2152918.0	0.304042	Y



Calibration / Vinyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

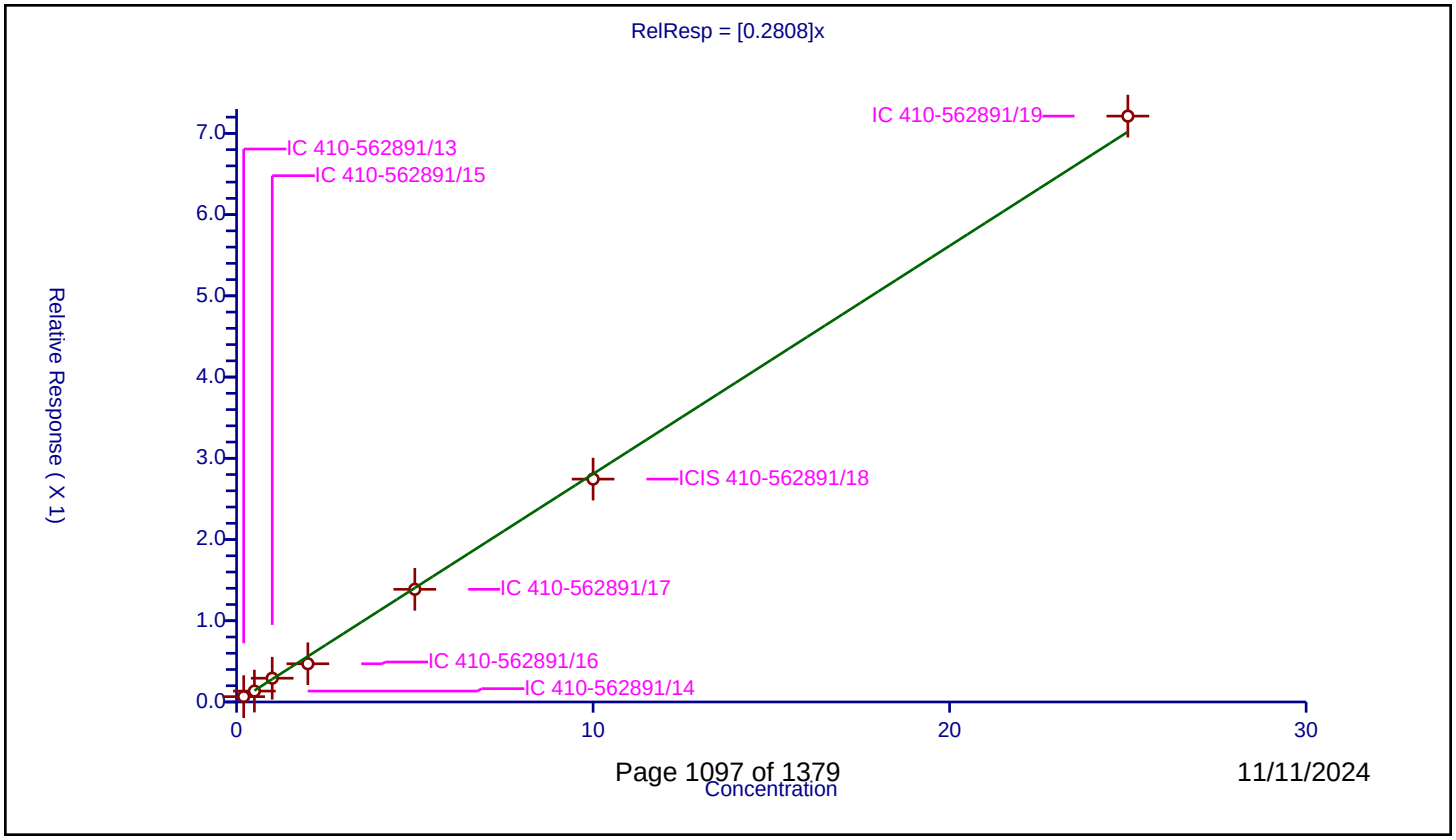
Curve Coefficients

Intercept:	0
Slope:	0.2808

Error Coefficients

Relative Standard Deviation:	10.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.065668	10.0	2082750.0	0.32834	Y
2	IC 410-562891/14	0.5	0.134389	10.0	2073531.0	0.268778	Y
3	IC 410-562891/15	1.0	0.292746	10.0	2064073.0	0.292746	Y
4	IC 410-562891/16	2.0	0.470575	10.0	2072912.0	0.235287	Y
5	IC 410-562891/17	5.0	1.387141	10.0	2077057.0	0.277428	Y
6	ICIS 410-562891/18	10.0	2.743979	10.0	2106583.0	0.274398	Y
7	IC 410-562891/19	25.0	7.212769	10.0	2152918.0	0.288511	Y



Calibration / Bromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

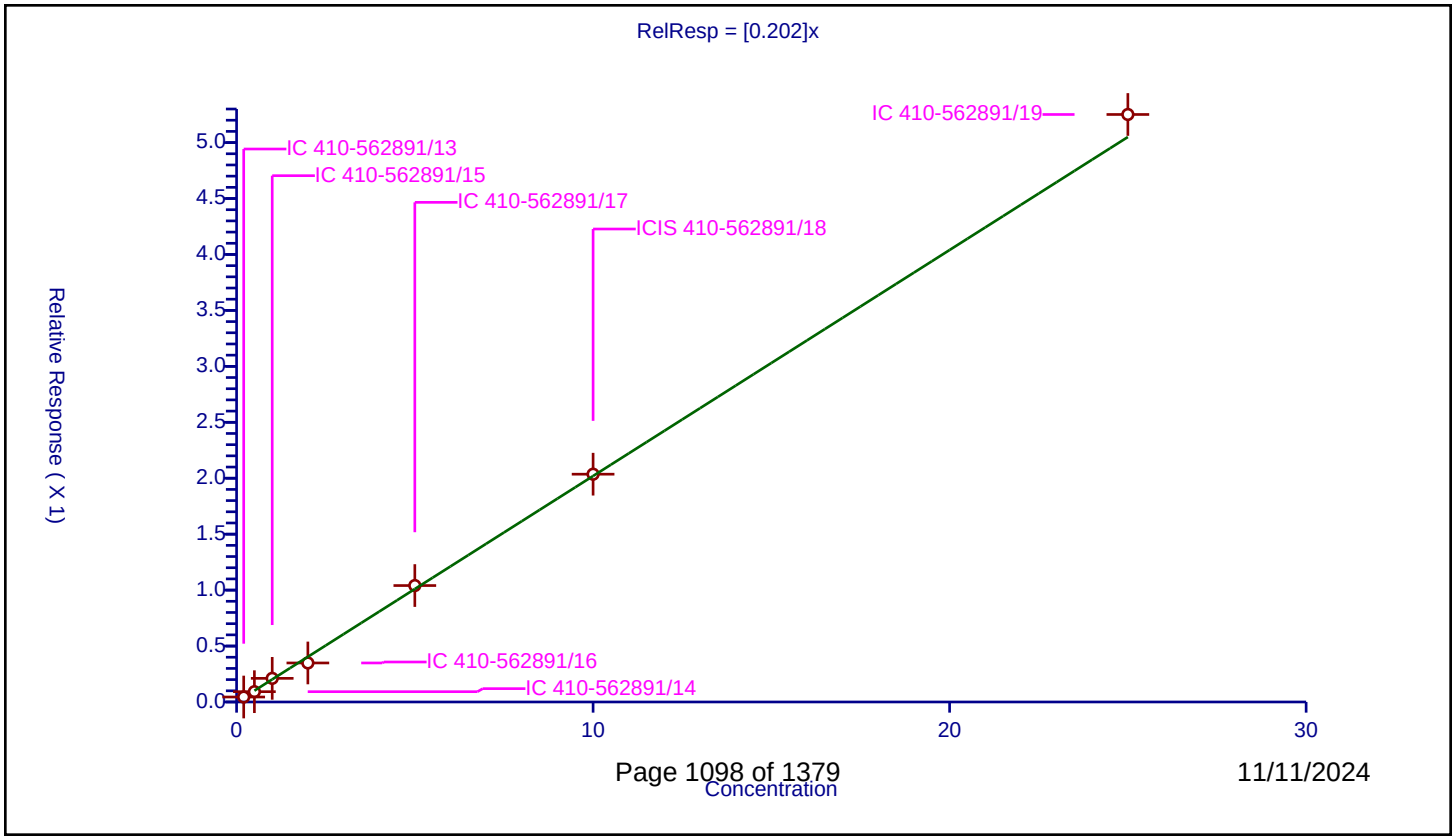
Curve Coefficients

Intercept:	0
Slope:	0.202

Error Coefficients

Relative Standard Deviation:	8.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.044489	10.0	2082750.0	0.222446	Y
2	IC 410-562891/14	0.5	0.092007	10.0	2073531.0	0.184015	Y
3	IC 410-562891/15	1.0	0.211276	10.0	2064073.0	0.211276	Y
4	IC 410-562891/16	2.0	0.348833	10.0	2072912.0	0.174416	Y
5	IC 410-562891/17	5.0	1.040694	10.0	2077057.0	0.208139	Y
6	ICIS 410-562891/18	10.0	2.036003	10.0	2106583.0	0.2036	Y
7	IC 410-562891/19	25.0	5.251199	10.0	2152918.0	0.210048	Y



11/11/2024

Calibration / Chloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

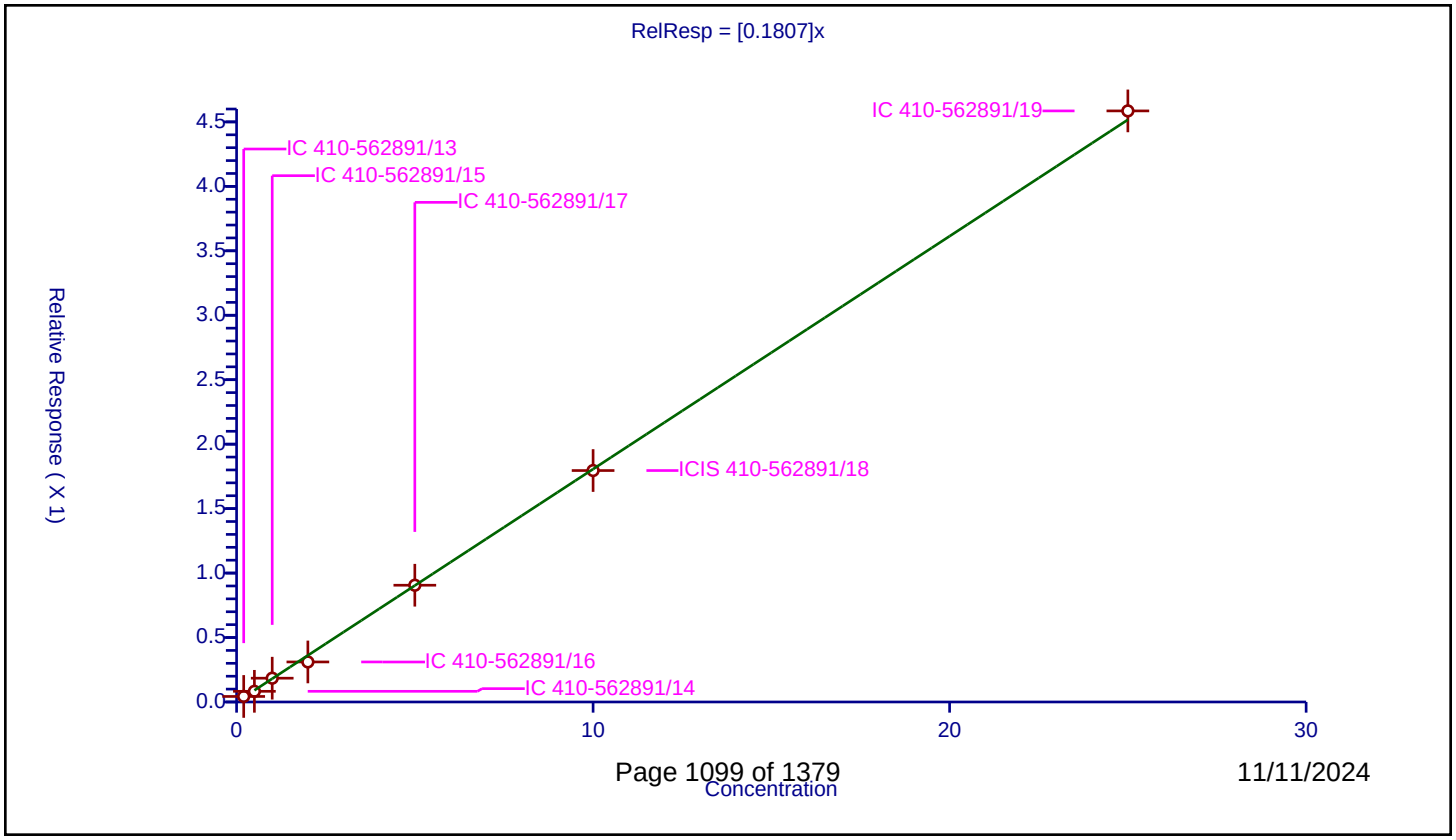
Curve Coefficients

Intercept:	0
Slope:	0.1807

Error Coefficients

Relative Standard Deviation:	10.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.042967	10.0	2082750.0	0.214836	Y
2	IC 410-562891/14	0.5	0.082892	10.0	2073531.0	0.165785	Y
3	IC 410-562891/15	1.0	0.184645	10.0	2064073.0	0.184645	Y
4	IC 410-562891/16	2.0	0.310703	10.0	2072912.0	0.155352	Y
5	IC 410-562891/17	5.0	0.905705	10.0	2077057.0	0.181141	Y
6	ICIS 410-562891/18	10.0	1.795481	10.0	2106583.0	0.179548	Y
7	IC 410-562891/19	25.0	4.585242	10.0	2152918.0	0.18341	Y



Calibration / Dichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

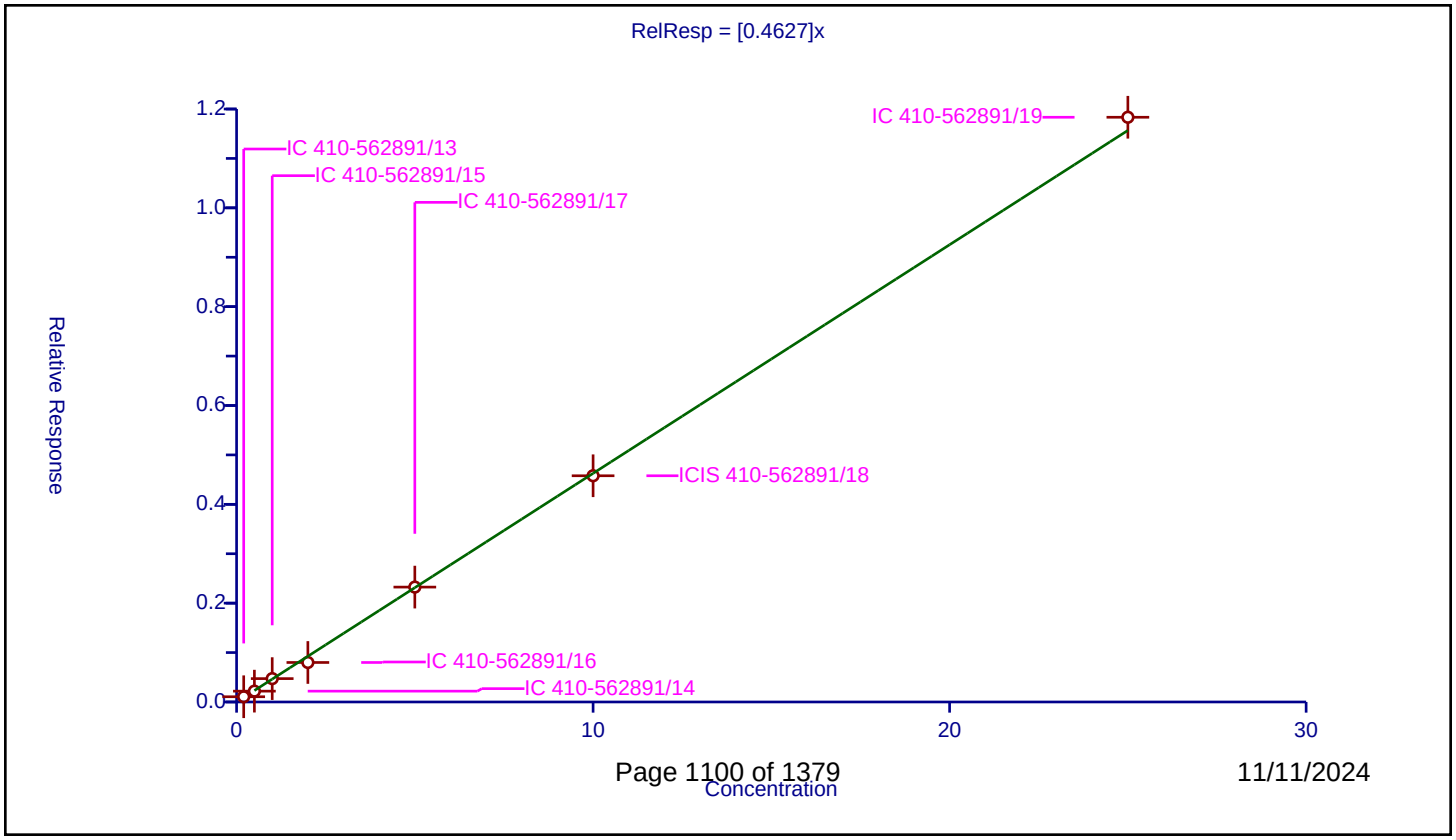
Curve Coefficients

Intercept:	0
Slope:	0.4627

Error Coefficients

Relative Standard Deviation:	8.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.106091	10.0	2082750.0	0.530453	Y
2	IC 410-562891/14	0.5	0.219616	10.0	2073531.0	0.439231	Y
3	IC 410-562891/15	1.0	0.47307	10.0	2064073.0	0.47307	Y
4	IC 410-562891/16	2.0	0.799527	10.0	2072912.0	0.399764	Y
5	IC 410-562891/17	5.0	2.325319	10.0	2077057.0	0.465064	Y
6	ICIS 410-562891/18	10.0	4.57813	10.0	2106583.0	0.457813	Y
7	IC 410-562891/19	25.0	11.833177	10.0	2152918.0	0.473327	Y



Calibration / Trichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

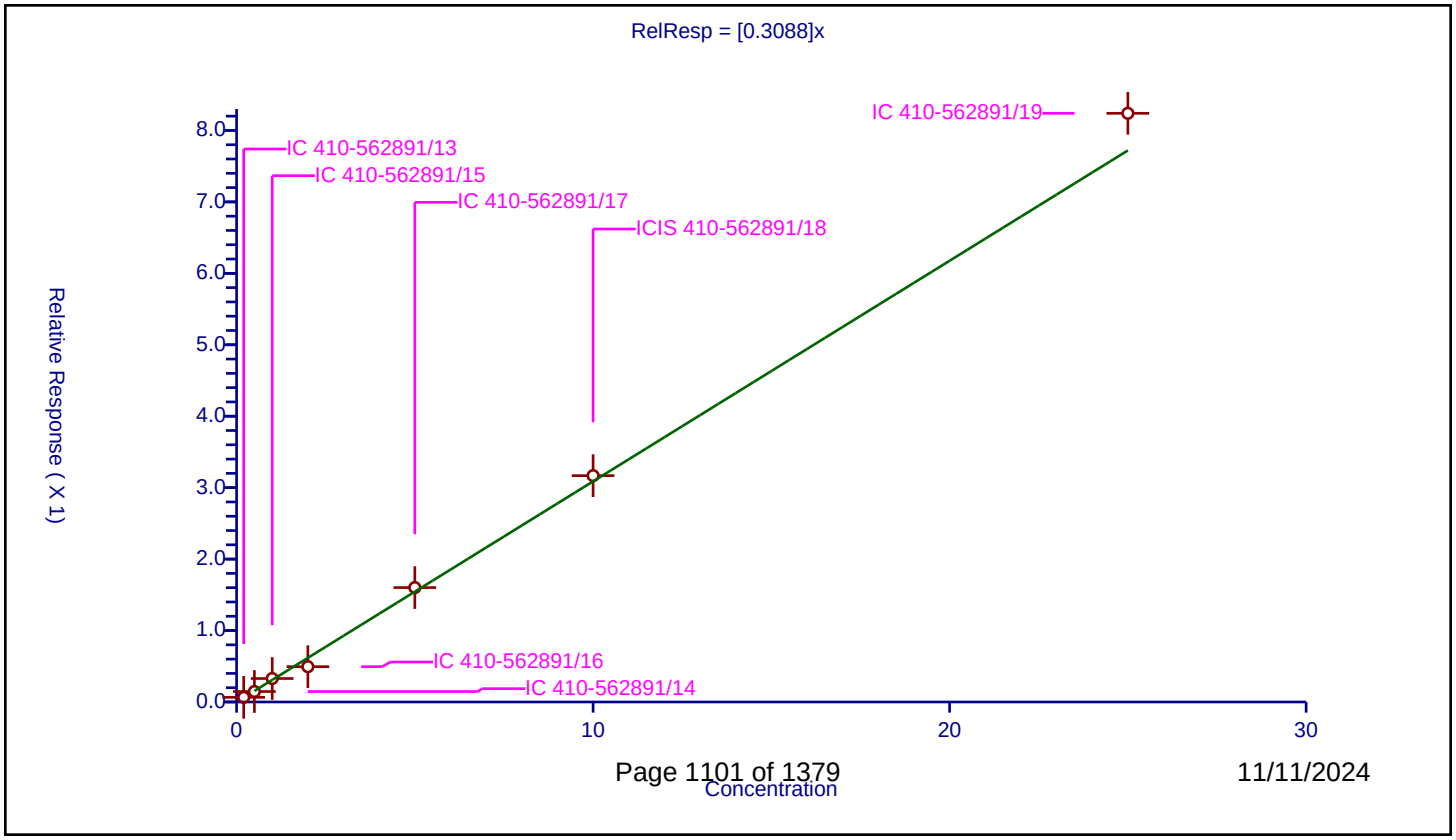
Curve Coefficients

Intercept:	0
Slope:	0.3088

Error Coefficients

Relative Standard Deviation:	9.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.06513	10.0	2082750.0	0.325651	Y
2	IC 410-562891/14	0.5	0.146629	10.0	2073531.0	0.293258	Y
3	IC 410-562891/15	1.0	0.328763	10.0	2064073.0	0.328763	Y
4	IC 410-562891/16	2.0	0.49443	10.0	2072912.0	0.247215	Y
5	IC 410-562891/17	5.0	1.60141	10.0	2077057.0	0.320282	Y
6	ICIS 410-562891/18	10.0	3.168017	10.0	2106583.0	0.316802	Y
7	IC 410-562891/19	25.0	8.239845	10.0	2152918.0	0.329594	Y



Calibration / Ethyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

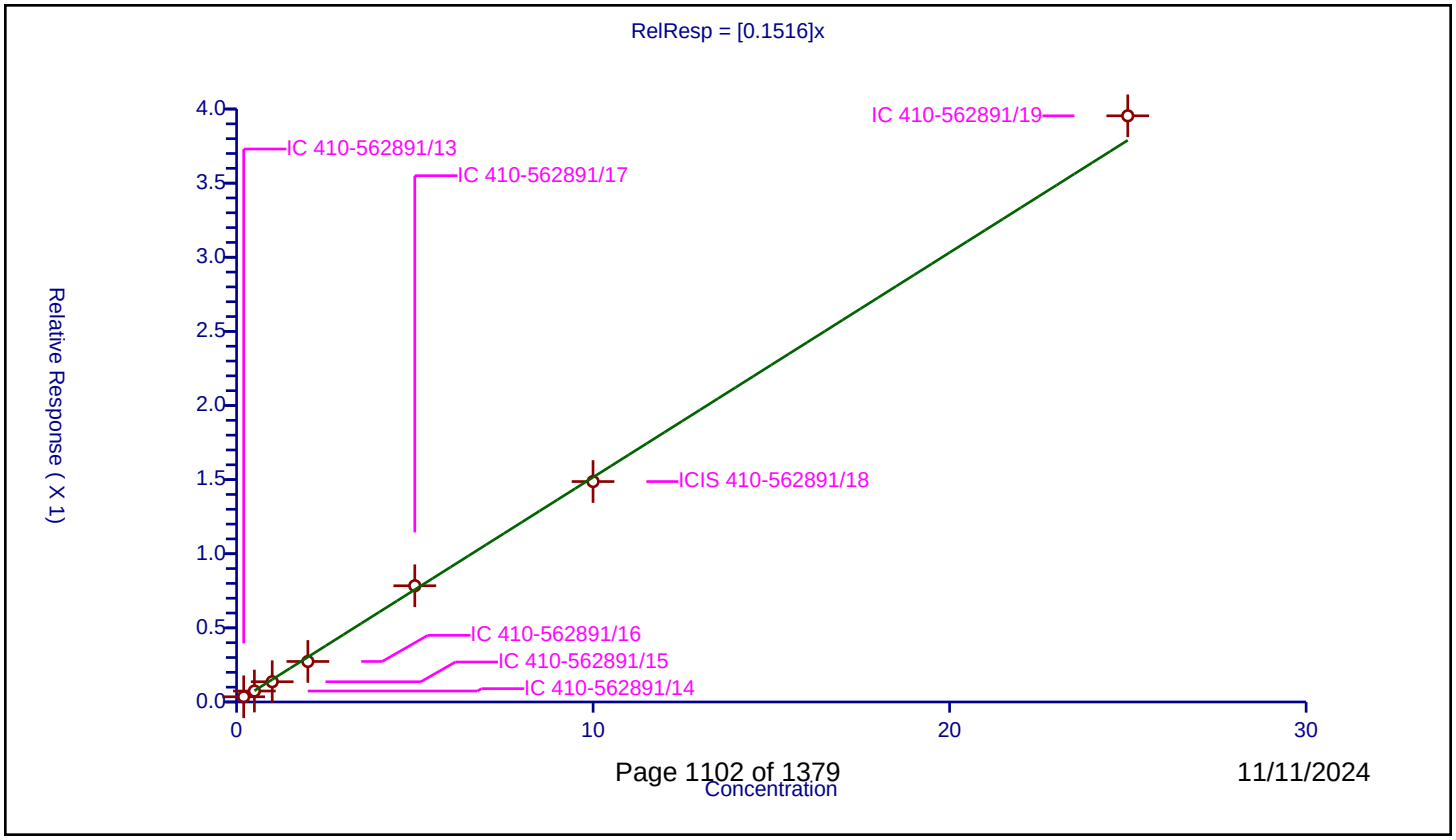
Curve Coefficients

Intercept:	0
Slope:	0.1516

Error Coefficients

Relative Standard Deviation:	9.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.199979	0.035194	10.0	2082750.0	0.175987	Y
2	IC 410-562891/14	0.499948	0.074062	10.0	2073531.0	0.148139	Y
3	IC 410-562891/15	0.999897	0.136565	10.0	2064073.0	0.136579	Y
4	IC 410-562891/16	1.999794	0.27333	10.0	2072912.0	0.136679	Y
5	IC 410-562891/17	4.999484	0.784047	10.0	2077057.0	0.156826	Y
6	ICIS 410-562891/18	9.998968	1.486963	10.0	2106583.0	0.148712	Y
7	IC 410-562891/19	24.99742	3.95414	10.0	2152918.0	0.158182	Y



Calibration / 1,2-Dichloro-1,1,2-trifluoroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

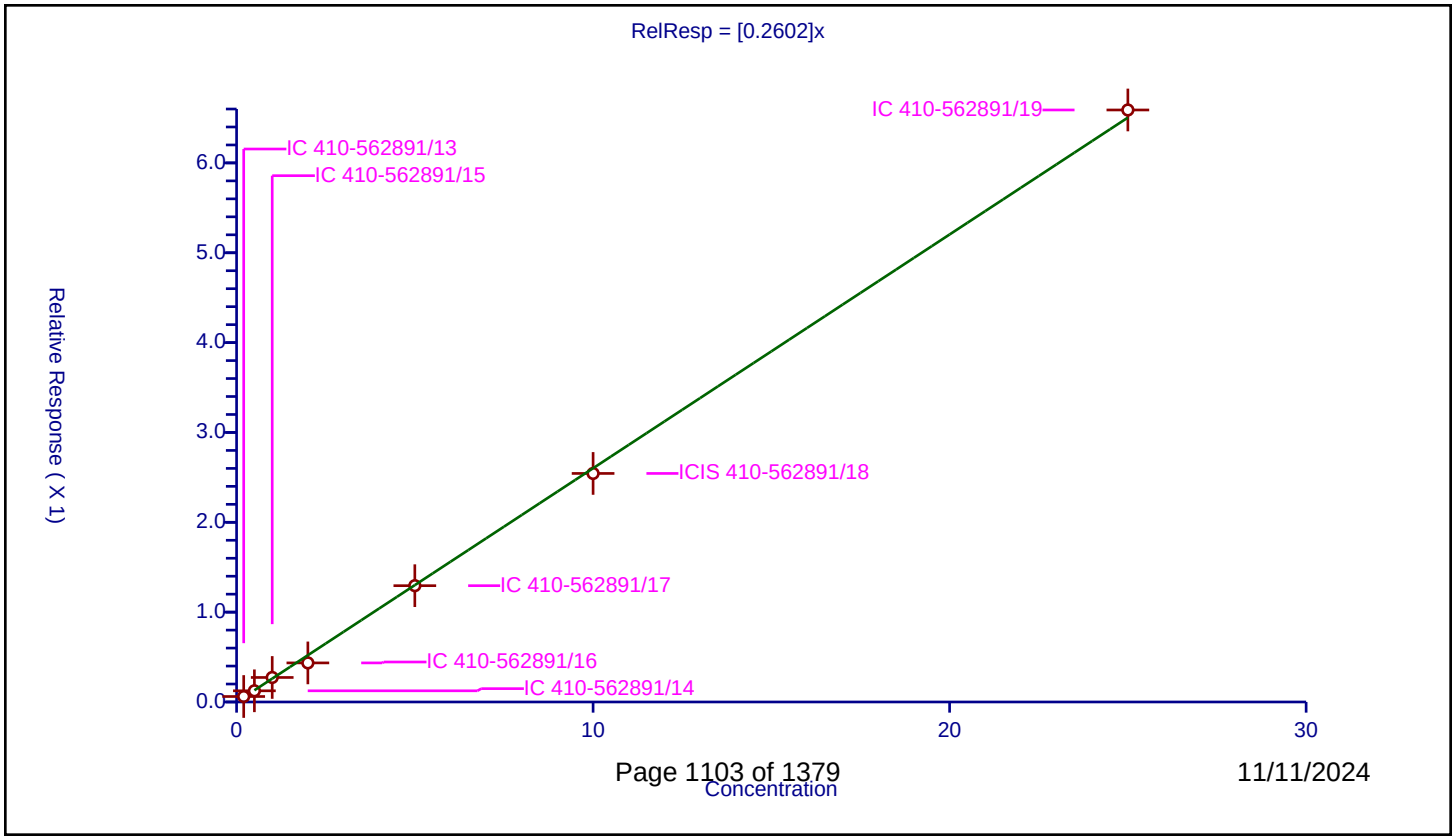
Curve Coefficients

Intercept:	0
Slope:	0.2602

Error Coefficients

Relative Standard Deviation:	10.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.061054	10.0	2082750.0	0.305269	Y
2	IC 410-562891/14	0.5	0.124382	10.0	2073531.0	0.248764	Y
3	IC 410-562891/15	1.0	0.272786	10.0	2064073.0	0.272786	Y
4	IC 410-562891/16	2.0	0.435117	10.0	2072912.0	0.217559	Y
5	IC 410-562891/17	5.0	1.294678	10.0	2077057.0	0.258936	Y
6	ICIS 410-562891/18	10.0	2.543778	10.0	2106583.0	0.254378	Y
7	IC 410-562891/19	25.0	6.589331	10.0	2152918.0	0.263573	Y



Calibration / Acrolein

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

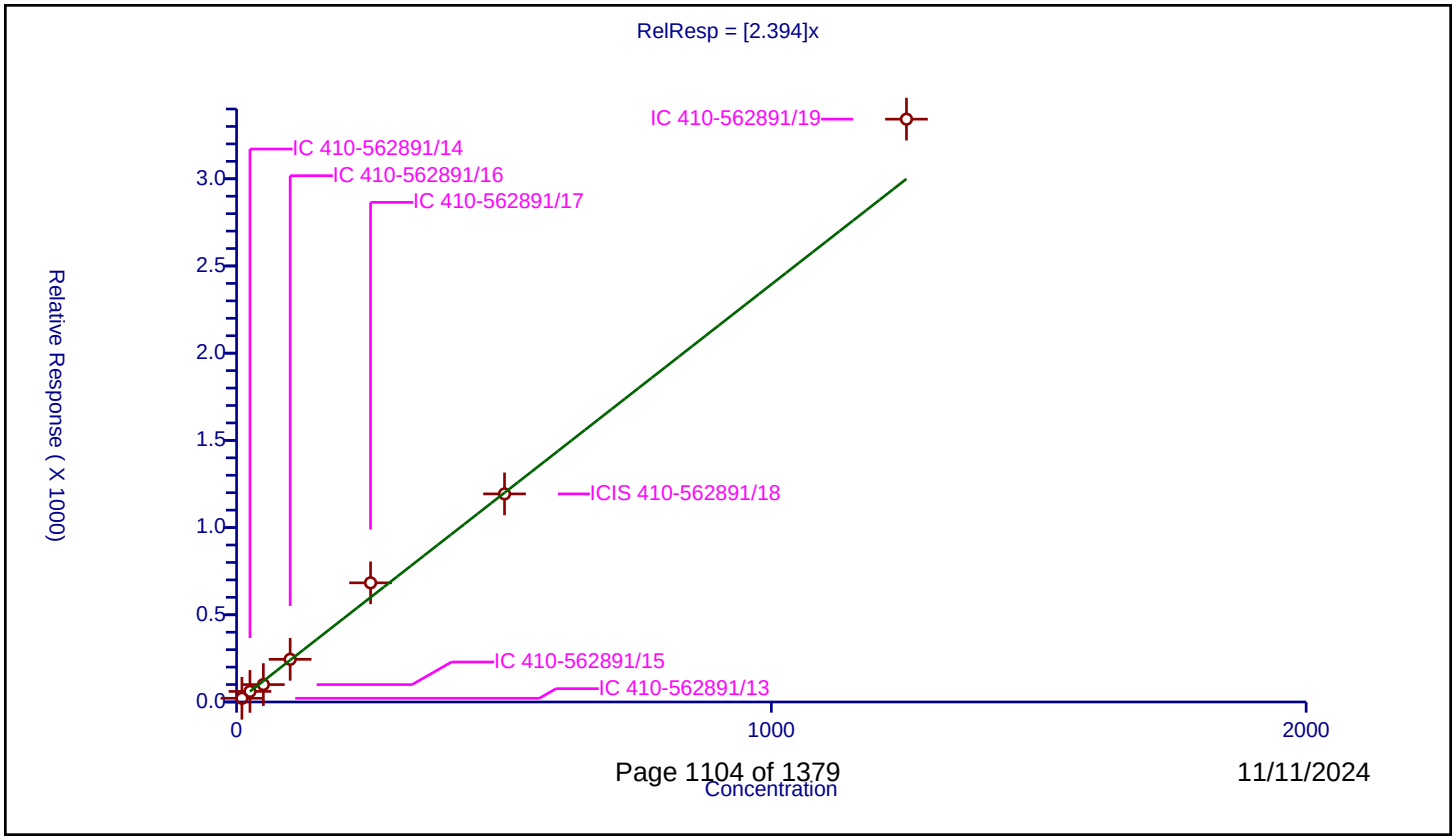
Curve Coefficients

Intercept:	0
Slope:	2.394

Error Coefficients

Relative Standard Deviation:	11.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	10.021277	21.380244	50.0	89716.0	2.133485	Y
2	IC 410-562891/14	25.053194	60.601818	50.0	93201.0	2.418926	Y
3	IC 410-562891/15	50.106387	99.696311	50.0	100267.0	1.989693	Y
4	IC 410-562891/16	100.212774	244.792383	50.0	93056.0	2.442726	Y
5	IC 410-562891/17	250.531936	683.26066	50.0	95404.0	2.72724	Y
6	ICIS 410-562891/18	501.063872	1193.135021	50.0	108835.0	2.381203	Y
7	IC 410-562891/19	1252.65968	3341.892321	50.0	94503.0	2.667837	Y



Calibration / 1,1-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

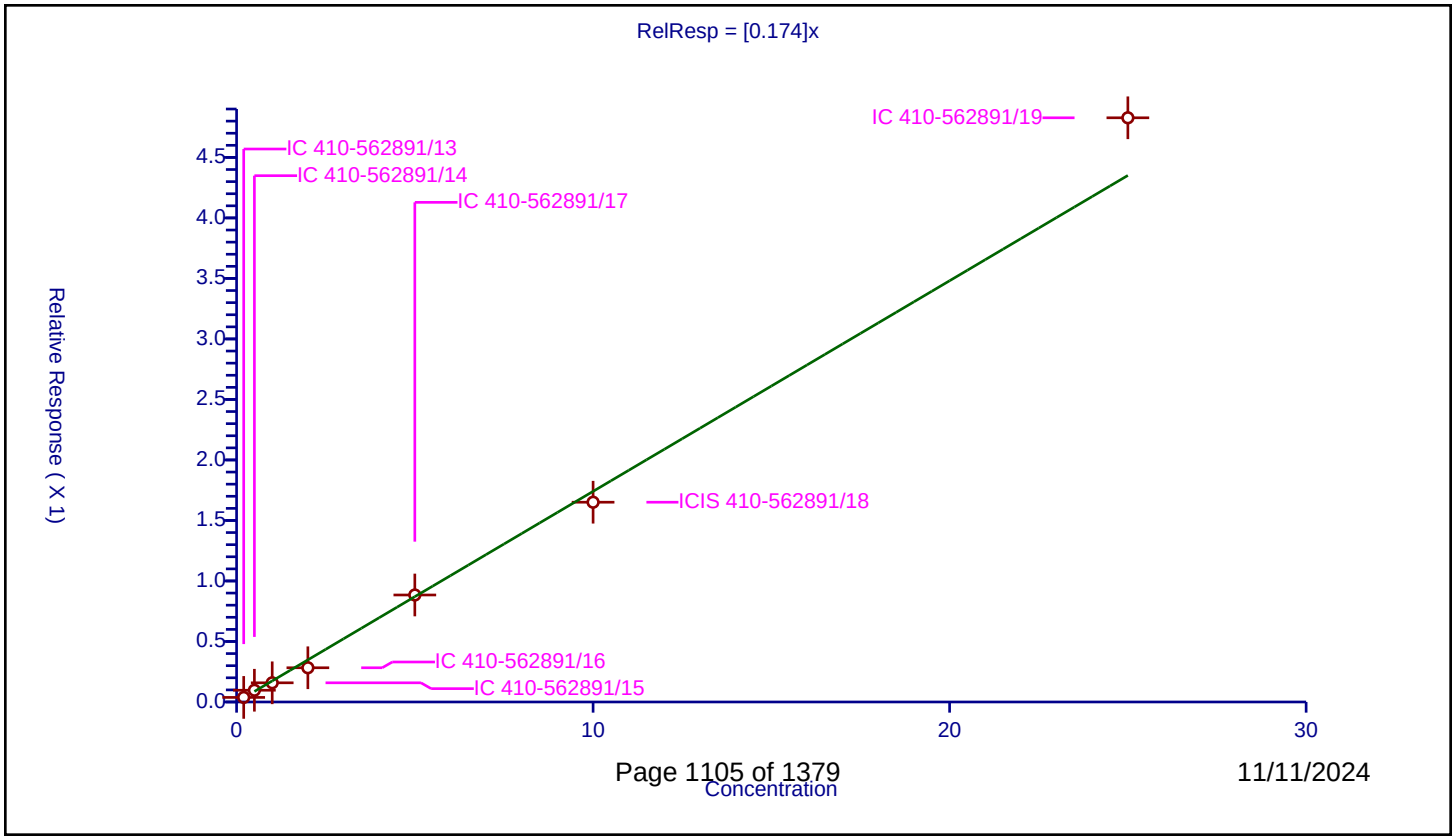
Curve Coefficients

Intercept:	0
Slope:	0.174

Error Coefficients

Relative Standard Deviation:	11.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.037815	10.0	2082750.0	0.189077	Y
2	IC 410-562891/14	0.5	0.097143	10.0	2073531.0	0.194287	Y
3	IC 410-562891/15	1.0	0.158512	10.0	2064073.0	0.158512	Y
4	IC 410-562891/16	2.0	0.282829	10.0	2072912.0	0.141415	Y
5	IC 410-562891/17	5.0	0.884208	10.0	2077057.0	0.176842	Y
6	ICIS 410-562891/18	10.0	1.650901	10.0	2106583.0	0.16509	Y
7	IC 410-562891/19	25.0	4.827411	10.0	2152918.0	0.193096	Y



Calibration / Acetone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

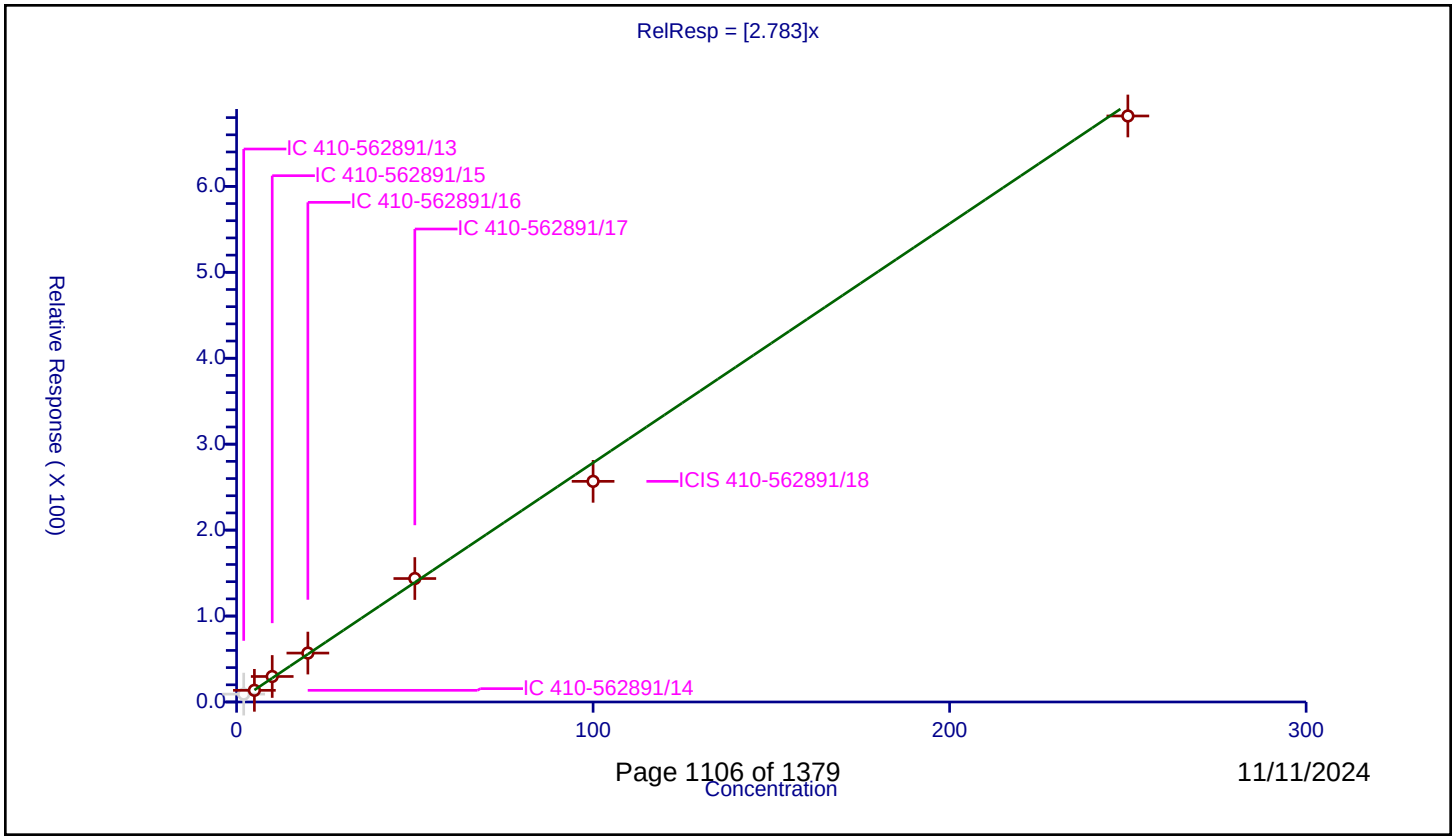
Curve Coefficients

Intercept:	0
Slope:	2.783

Error Coefficients

Relative Standard Deviation:	5.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	2.0	9.17785	50.0	89716.0	4.588925	N
2	IC 410-562891/14	5.0	13.590519	50.0	93201.0	2.718104	Y
3	IC 410-562891/15	10.0	29.674768	50.0	100267.0	2.967477	Y
4	IC 410-562891/16	20.0	56.924862	50.0	93056.0	2.846243	Y
5	IC 410-562891/17	50.0	143.65645	50.0	95404.0	2.873129	Y
6	ICIS 410-562891/18	100.0	256.743695	50.0	108835.0	2.567437	Y
7	IC 410-562891/19	250.0	681.904807	50.0	94503.0	2.727619	Y



Calibration / 1,1,2-Trichloro-1,2,2-trifluoroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

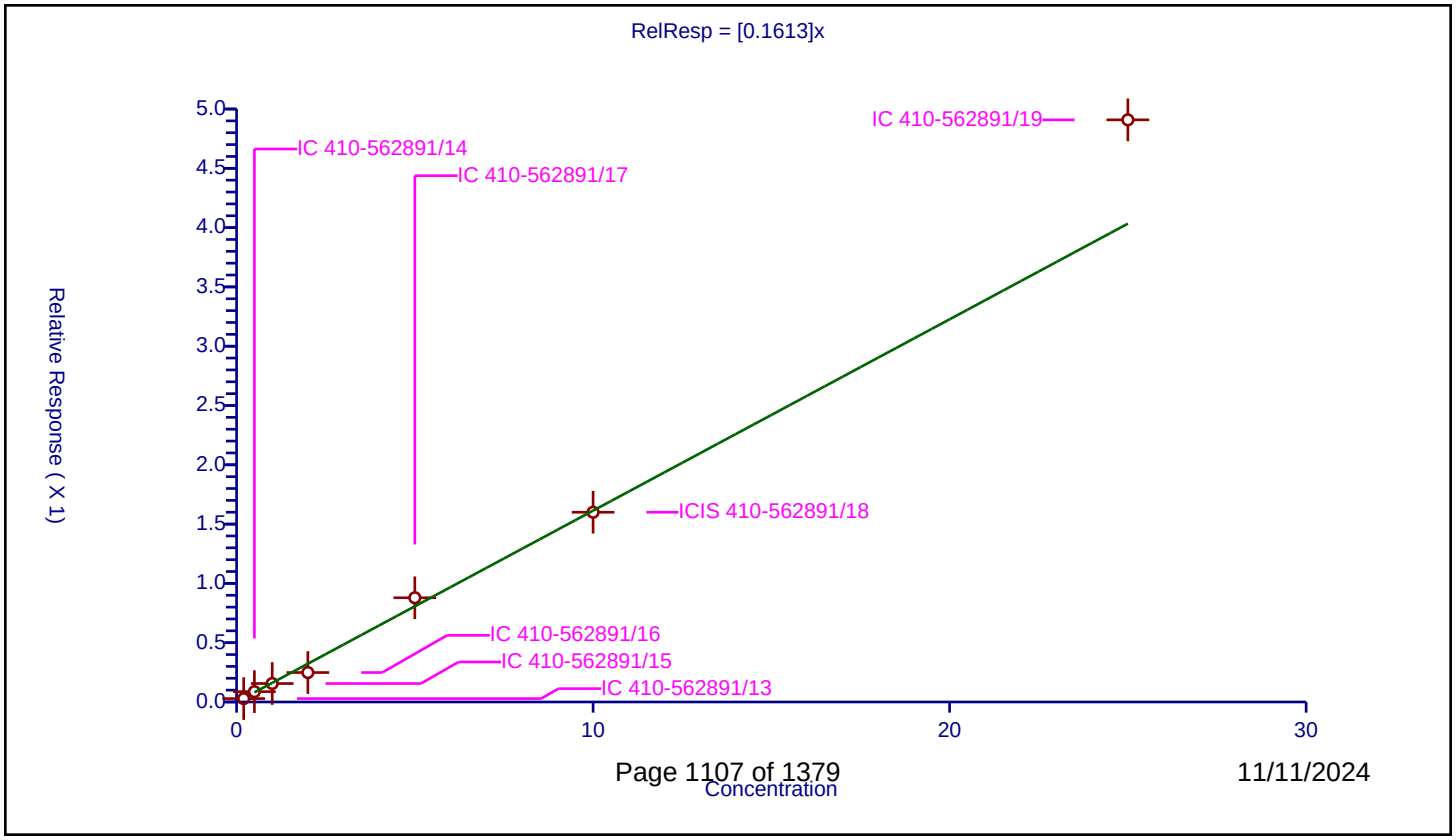
Curve Coefficients

Intercept:	0
Slope:	0.1613

Error Coefficients

Relative Standard Deviation:	14.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.028621	10.0	2082750.0	0.143104	Y
2	IC 410-562891/14	0.5	0.087156	10.0	2073531.0	0.174311	Y
3	IC 410-562891/15	1.0	0.155678	10.0	2064073.0	0.155678	Y
4	IC 410-562891/16	2.0	0.248264	10.0	2072912.0	0.124132	Y
5	IC 410-562891/17	5.0	0.878897	10.0	2077057.0	0.175779	Y
6	ICIS 410-562891/18	10.0	1.599894	10.0	2106583.0	0.159989	Y
7	IC 410-562891/19	25.0	4.908803	10.0	2152918.0	0.196352	Y



Calibration / Iodomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

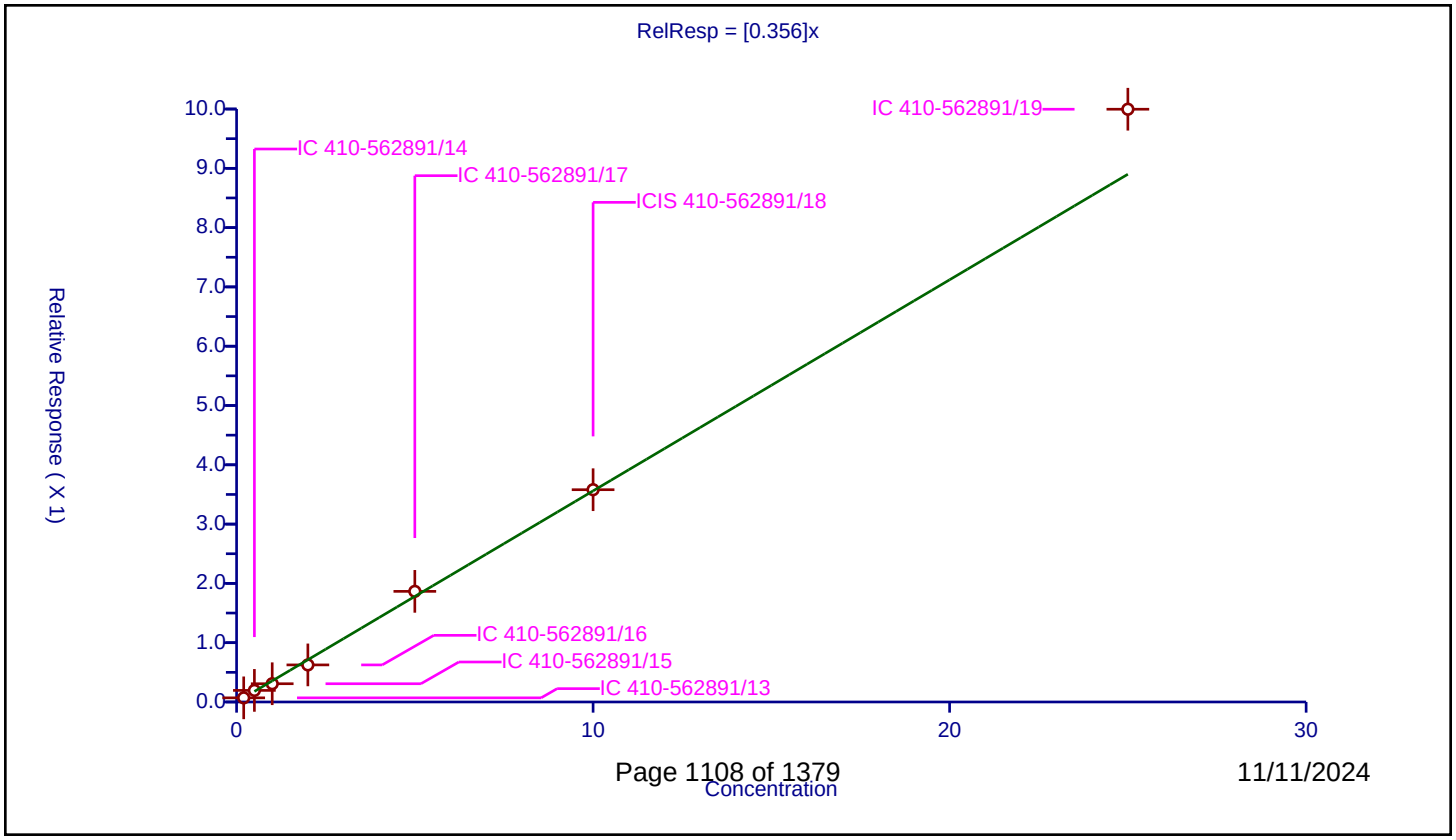
Curve Coefficients

Intercept:	0
Slope:	0.356

Error Coefficients

Relative Standard Deviation:	10.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.069989	10.0	2082750.0	0.349946	Y
2	IC 410-562891/14	0.5	0.195343	10.0	2073531.0	0.390686	Y
3	IC 410-562891/15	1.0	0.307785	10.0	2064073.0	0.307785	Y
4	IC 410-562891/16	2.0	0.625289	10.0	2072912.0	0.312645	Y
5	IC 410-562891/17	5.0	1.865775	10.0	2077057.0	0.373155	Y
6	ICIS 410-562891/18	10.0	3.579849	10.0	2106583.0	0.357985	Y
7	IC 410-562891/19	25.0	9.996279	10.0	2152918.0	0.399851	Y



Calibration / Ethyl bromide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

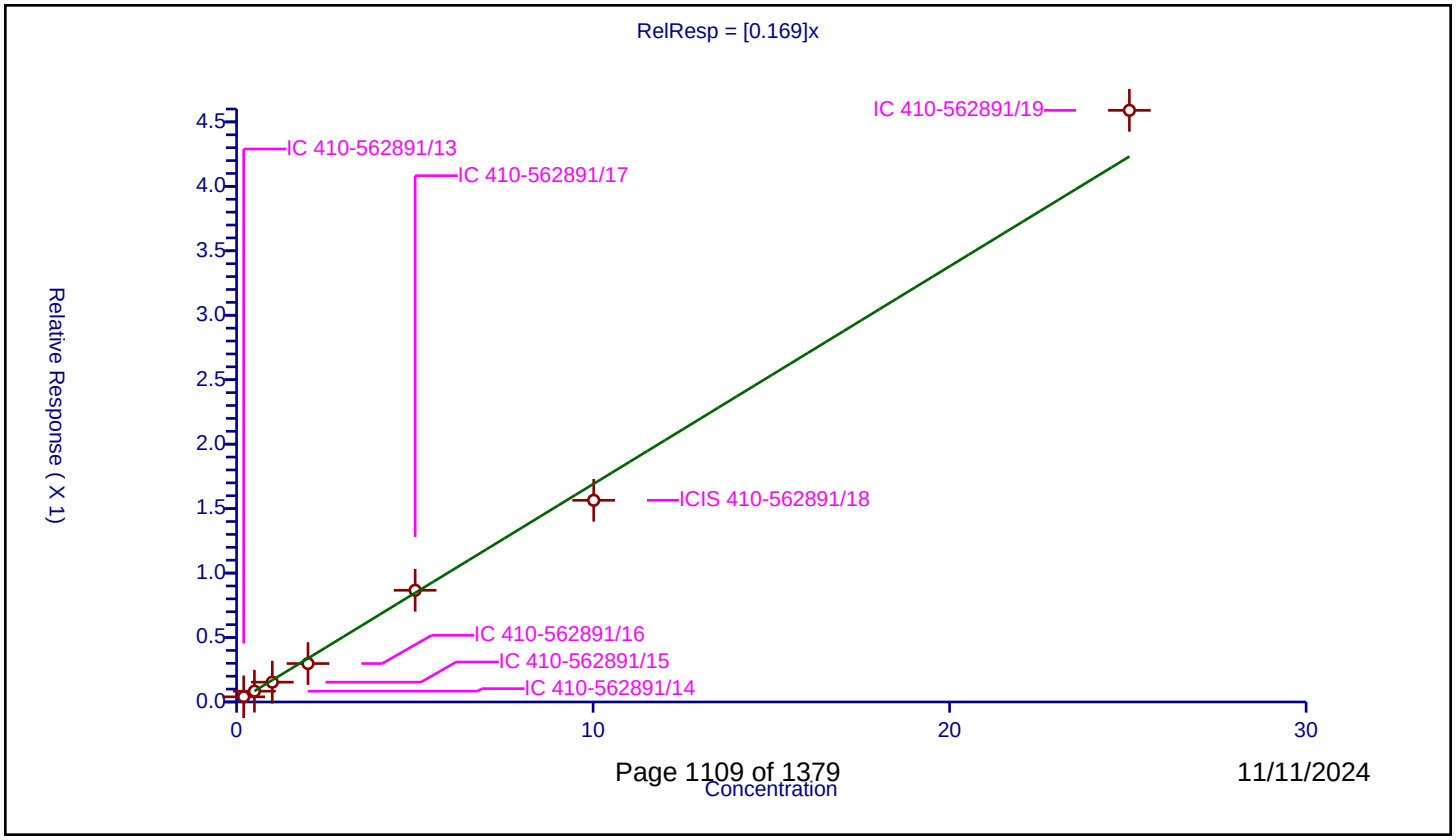
Curve Coefficients

Intercept:	0
Slope:	0.169

Error Coefficients

Relative Standard Deviation:	10.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.20034	0.04012	10.0	2082750.0	0.20026	Y
2	IC 410-562891/14	0.50085	0.083953	10.0	2073531.0	0.167622	Y
3	IC 410-562891/15	1.0017	0.153827	10.0	2064073.0	0.153566	Y
4	IC 410-562891/16	2.0034	0.298271	10.0	2072912.0	0.148883	Y
5	IC 410-562891/17	5.0085	0.866654	10.0	2077057.0	0.173037	Y
6	ICIS 410-562891/18	10.017	1.564638	10.0	2106583.0	0.156198	Y
7	IC 410-562891/19	25.0425	4.589738	10.0	2152918.0	0.183278	Y



Calibration / Carbon disulfide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

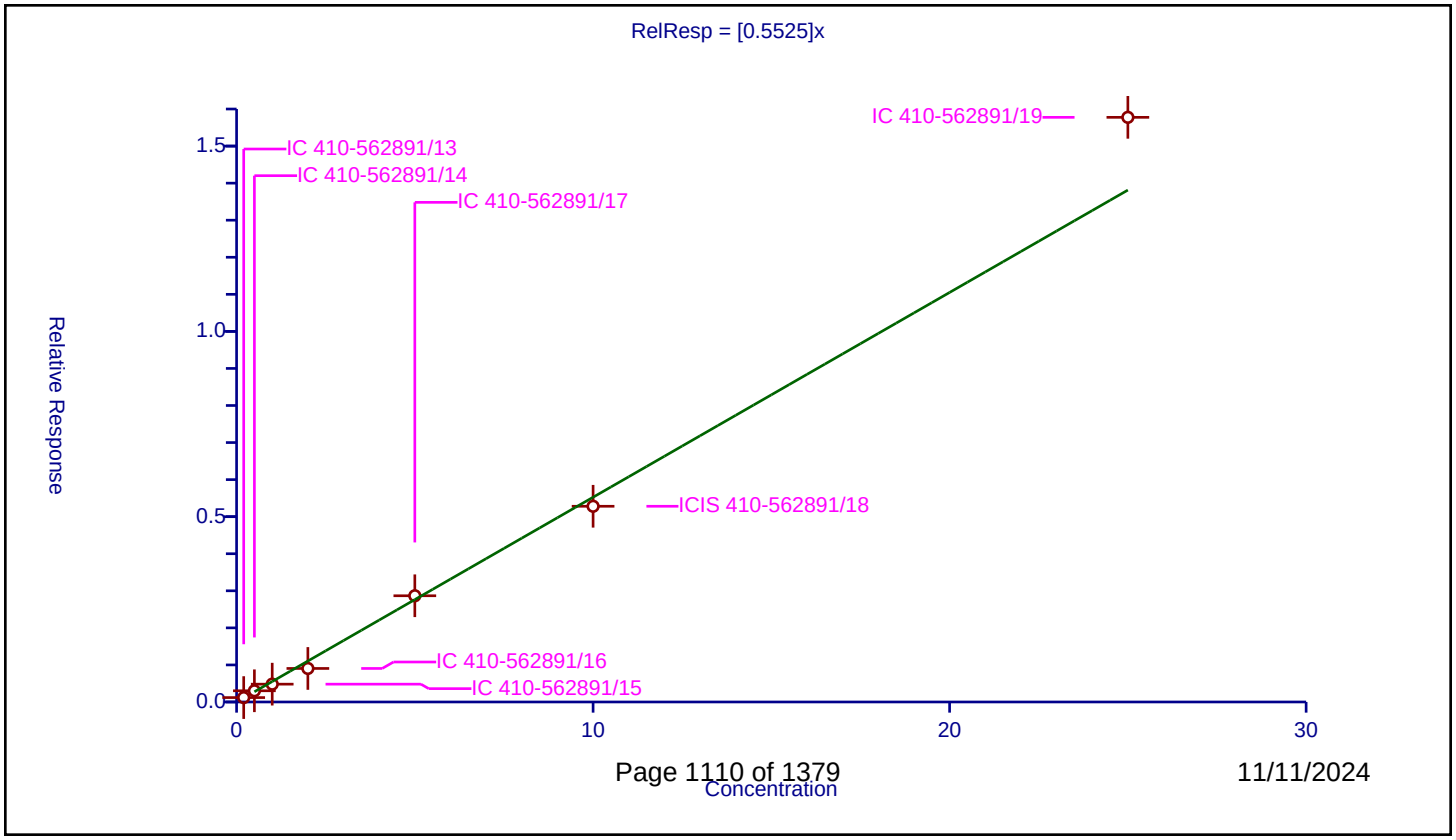
Curve Coefficients

Intercept:	0
Slope:	0.5525

Error Coefficients

Relative Standard Deviation:	12.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.119385	10.0	2082750.0	0.596927	Y
2	IC 410-562891/14	0.5	0.302532	10.0	2073531.0	0.605065	Y
3	IC 410-562891/15	1.0	0.480734	10.0	2064073.0	0.480734	Y
4	IC 410-562891/16	2.0	0.904911	10.0	2072912.0	0.452455	Y
5	IC 410-562891/17	5.0	2.866493	10.0	2077057.0	0.573299	Y
6	ICIS 410-562891/18	10.0	5.281036	10.0	2106583.0	0.528104	Y
7	IC 410-562891/19	25.0	15.77551	10.0	2152918.0	0.63102	Y



Calibration / Methyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

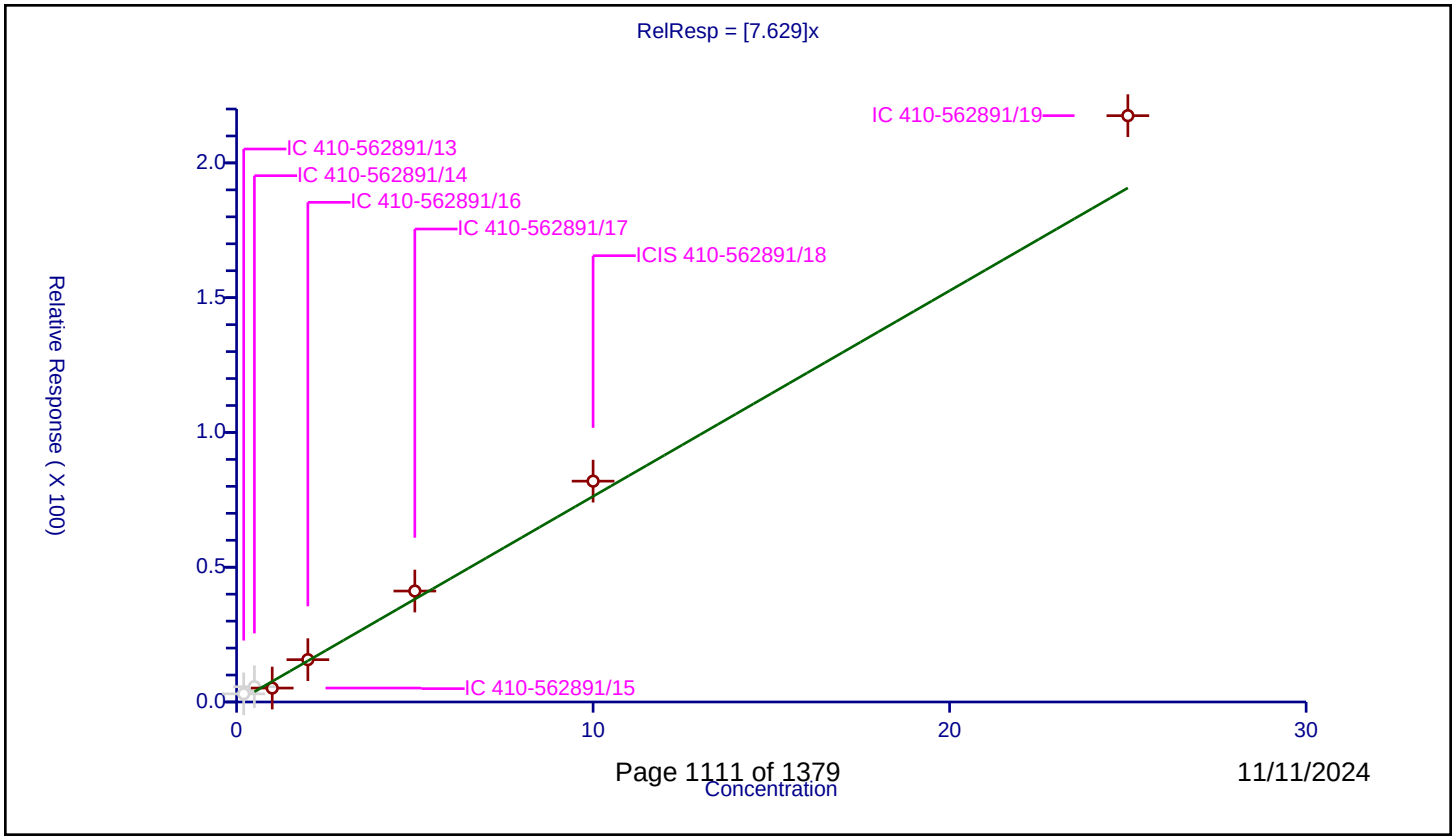
Curve Coefficients

Intercept:	0
Slope:	7.629

Error Coefficients

Relative Standard Deviation:	18.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	3.019528	50.0	89716.0	15.097641	N
2	IC 410-562891/14	0.5	5.671076	50.0	93201.0	11.342153	N
3	IC 410-562891/15	1.0	5.16471	50.0	100267.0	5.16471	Y
4	IC 410-562891/16	2.0	15.706134	50.0	93056.0	7.853067	Y
5	IC 410-562891/17	5.0	41.164417	50.0	95404.0	8.232883	Y
6	ICIS 410-562891/18	10.0	81.938255	50.0	108835.0	8.193826	Y
7	IC 410-562891/19	25.0	217.531719	50.0	94503.0	8.701269	Y



Calibration / 3-Chloro-1-propene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

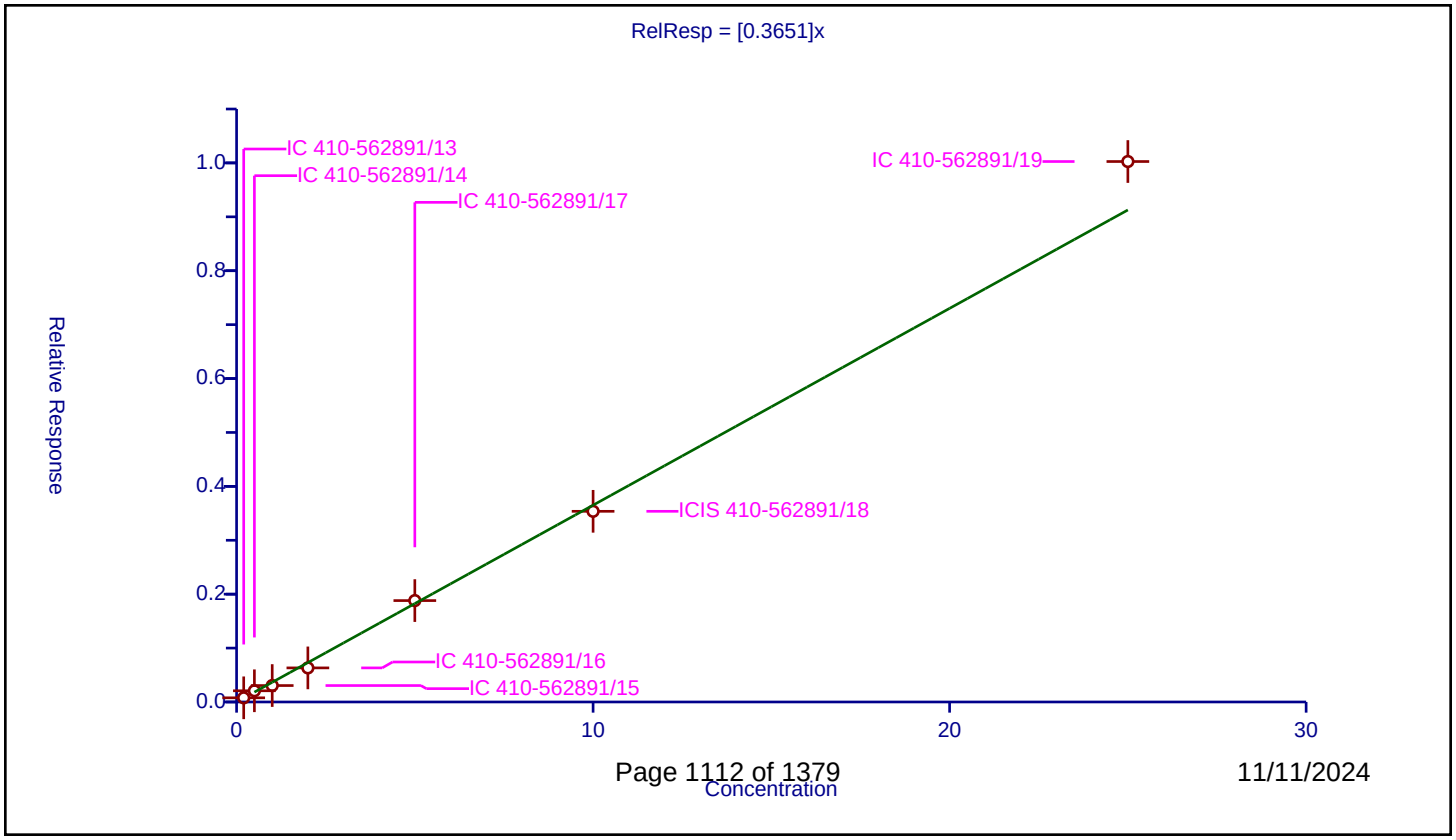
Curve Coefficients

Intercept:	0
Slope:	0.3651

Error Coefficients

Relative Standard Deviation:	11.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.077623	10.0	2082750.0	0.388117	Y
2	IC 410-562891/14	0.5	0.2078	10.0	2073531.0	0.4156	Y
3	IC 410-562891/15	1.0	0.304742	10.0	2064073.0	0.304742	Y
4	IC 410-562891/16	2.0	0.63228	10.0	2072912.0	0.31614	Y
5	IC 410-562891/17	5.0	1.880882	10.0	2077057.0	0.376176	Y
6	ICIS 410-562891/18	10.0	3.537231	10.0	2106583.0	0.353723	Y
7	IC 410-562891/19	25.0	10.025993	10.0	2152918.0	0.40104	Y



Calibration / Methylene Chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

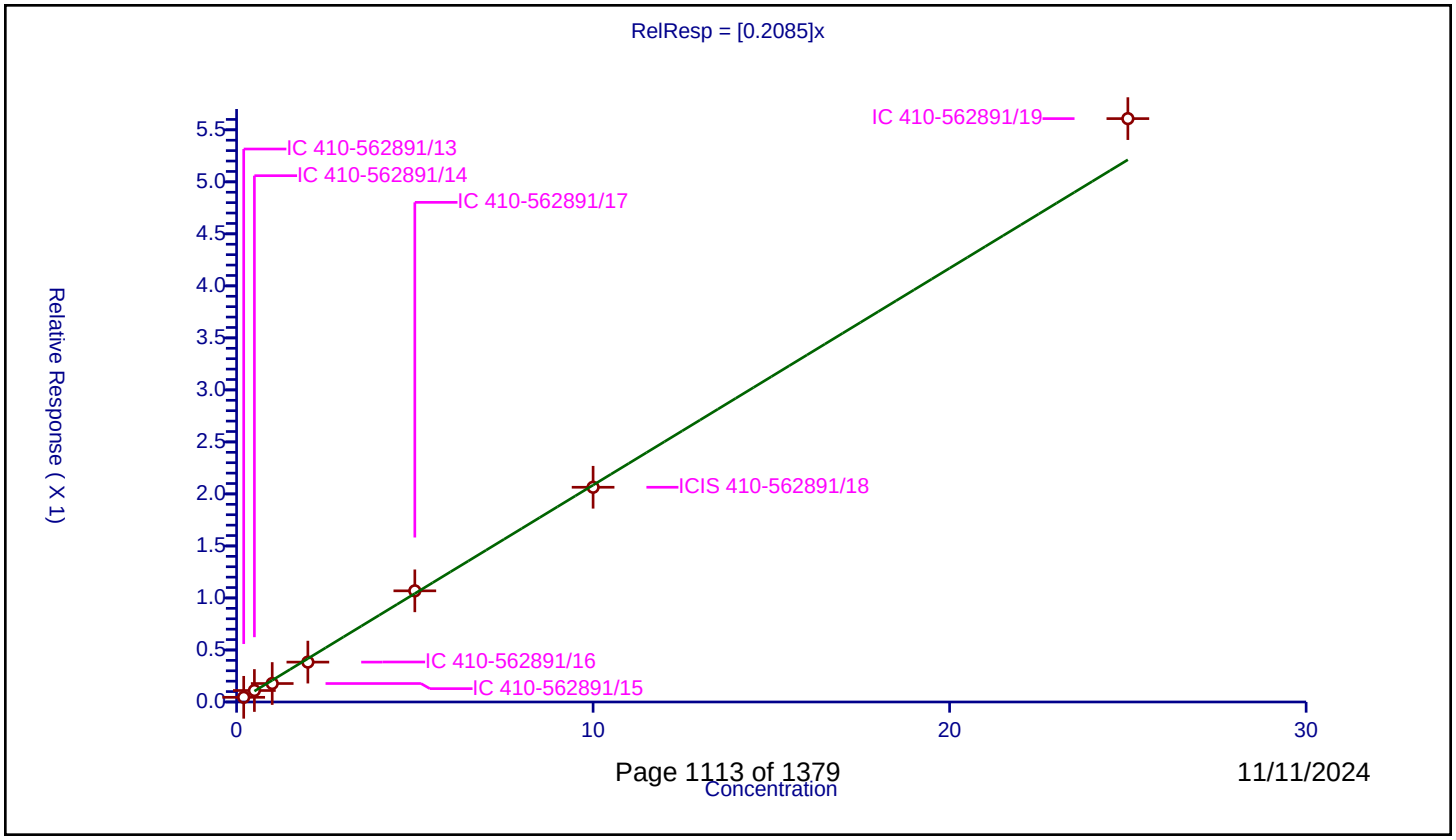
Curve Coefficients

Intercept:	0
Slope:	0.2085

Error Coefficients

Relative Standard Deviation:	8.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.045061	10.0	2082750.0	0.225303	Y
2	IC 410-562891/14	0.5	0.110252	10.0	2073531.0	0.220503	Y
3	IC 410-562891/15	1.0	0.177542	10.0	2064073.0	0.177542	Y
4	IC 410-562891/16	2.0	0.383369	10.0	2072912.0	0.191684	Y
5	IC 410-562891/17	5.0	1.068483	10.0	2077057.0	0.213697	Y
6	ICIS 410-562891/18	10.0	2.064115	10.0	2106583.0	0.206412	Y
7	IC 410-562891/19	25.0	5.607678	10.0	2152918.0	0.224307	Y



Calibration / 2-Methyl-2-propanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

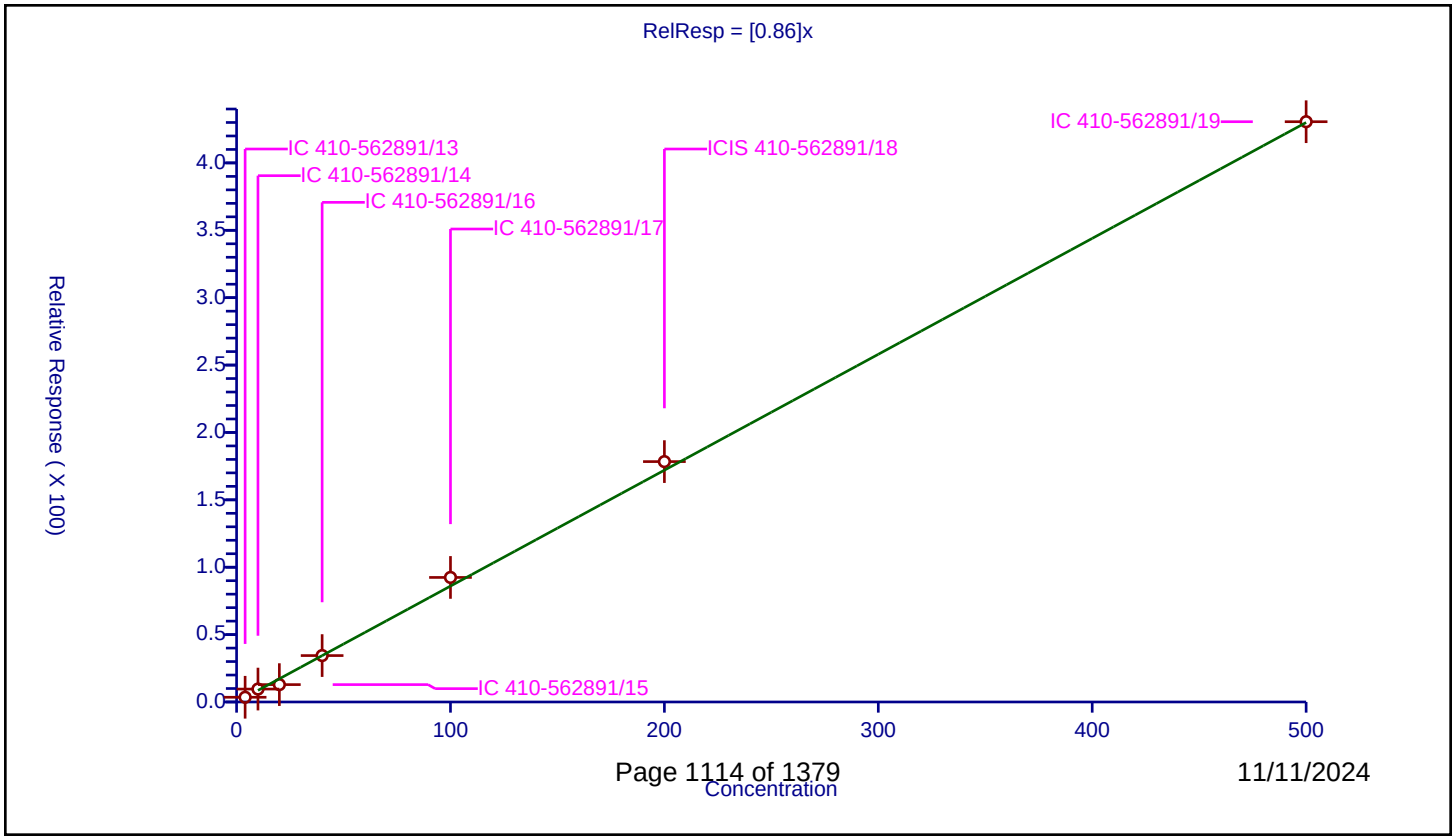
Curve Coefficients

Intercept:	0
Slope:	0.86

Error Coefficients

Relative Standard Deviation:	11.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	4.0	3.513866	50.0	89716.0	0.878466	Y
2	IC 410-562891/14	10.0	9.587343	50.0	93201.0	0.958734	Y
3	IC 410-562891/15	20.0	12.890582	50.0	100267.0	0.644529	Y
4	IC 410-562891/16	40.0	34.441627	50.0	93056.0	0.861041	Y
5	IC 410-562891/17	100.0	92.412268	50.0	95404.0	0.924123	Y
6	ICIS 410-562891/18	200.0	178.365416	50.0	108835.0	0.891827	Y
7	IC 410-562891/19	500.0	430.58104	50.0	94503.0	0.861162	Y



Calibration / Acrylonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

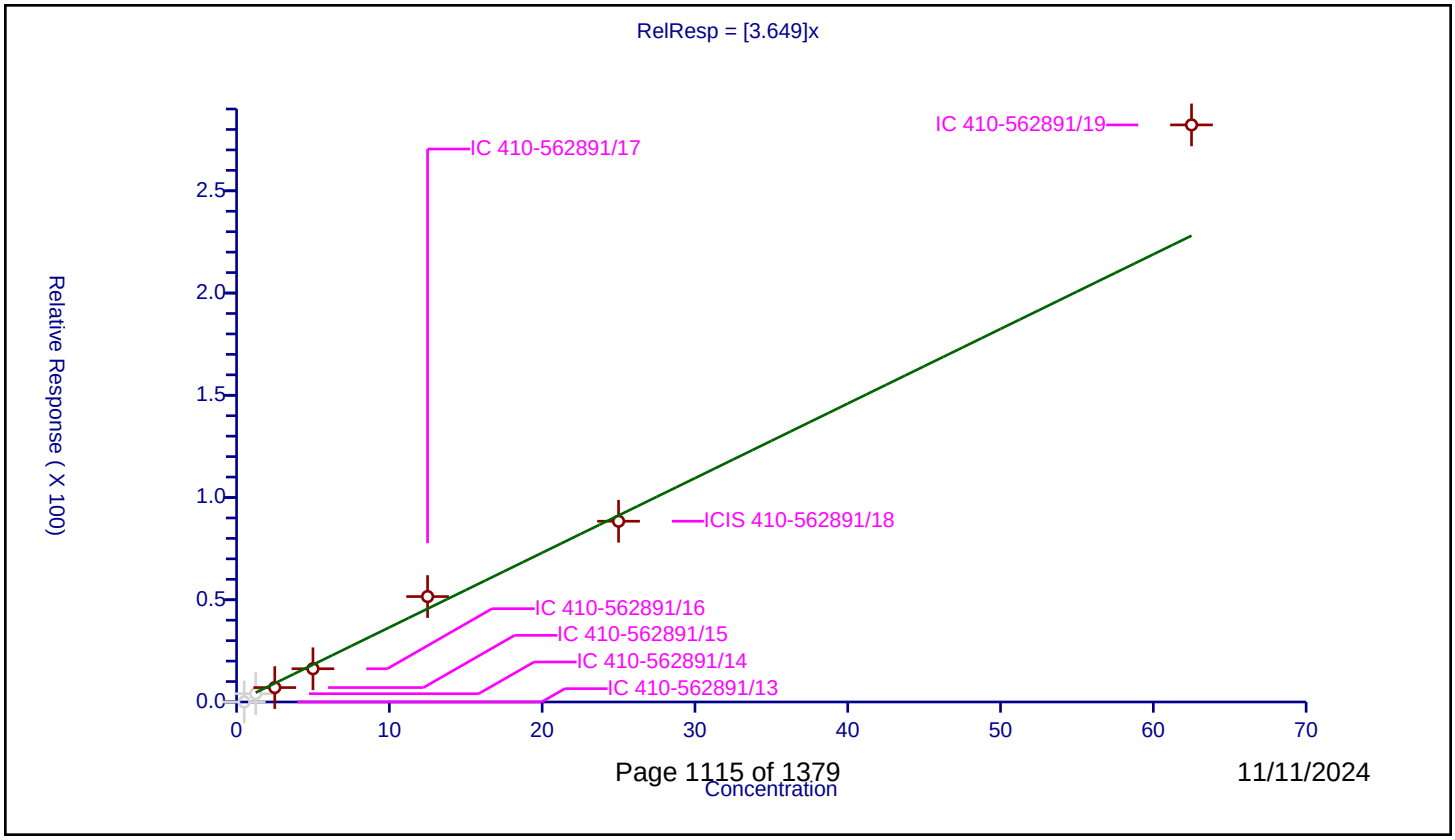
Curve Coefficients

Intercept:	0
Slope:	3.649

Error Coefficients

Relative Standard Deviation:	18.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.5	0.0	50.0	89716.0	0.0	N
2	IC 410-562891/14	1.25	4.053605	50.0	93201.0	3.242884	N
3	IC 410-562891/15	2.5	7.043195	50.0	100267.0	2.817278	Y
4	IC 410-562891/16	5.0	16.252042	50.0	93056.0	3.250408	Y
5	IC 410-562891/17	12.5	51.561255	50.0	95404.0	4.1249	Y
6	ICIS 410-562891/18	25.0	88.40125	50.0	108835.0	3.53605	Y
7	IC 410-562891/19	62.5	282.233368	50.0	94503.0	4.515734	Y



Calibration / Methyl tert-butyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

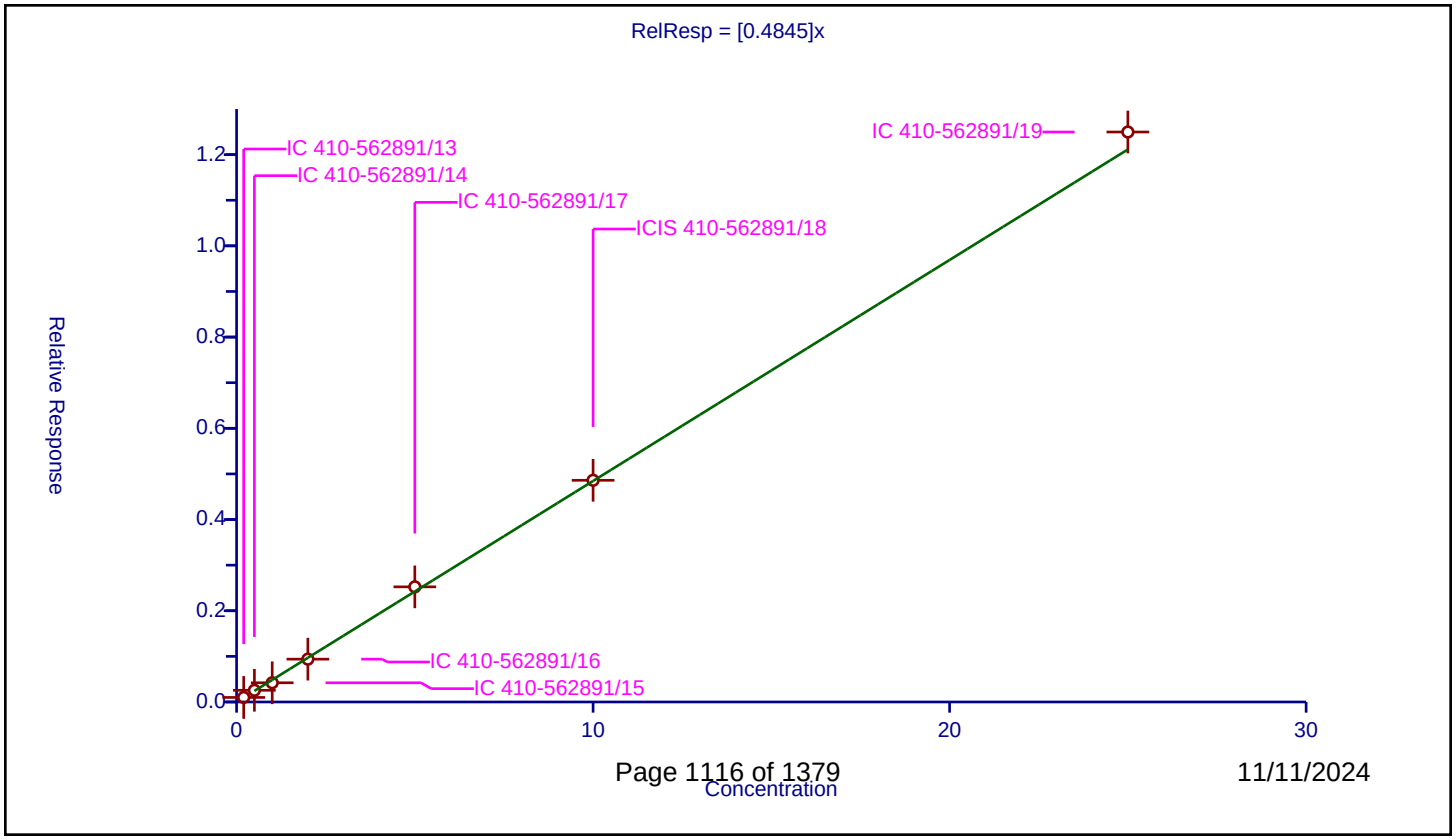
Curve Coefficients

Intercept:	0
Slope:	0.4845

Error Coefficients

Relative Standard Deviation:	6.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.099589	10.0	2082750.0	0.497947	Y
2	IC 410-562891/14	0.5	0.256066	10.0	2073531.0	0.512131	Y
3	IC 410-562891/15	1.0	0.421322	10.0	2064073.0	0.421322	Y
4	IC 410-562891/16	2.0	0.939278	10.0	2072912.0	0.469639	Y
5	IC 410-562891/17	5.0	2.523999	10.0	2077057.0	0.5048	Y
6	ICIS 410-562891/18	10.0	4.86053	10.0	2106583.0	0.486053	Y
7	IC 410-562891/19	25.0	12.496073	10.0	2152918.0	0.499843	Y



Calibration / trans-1,2-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

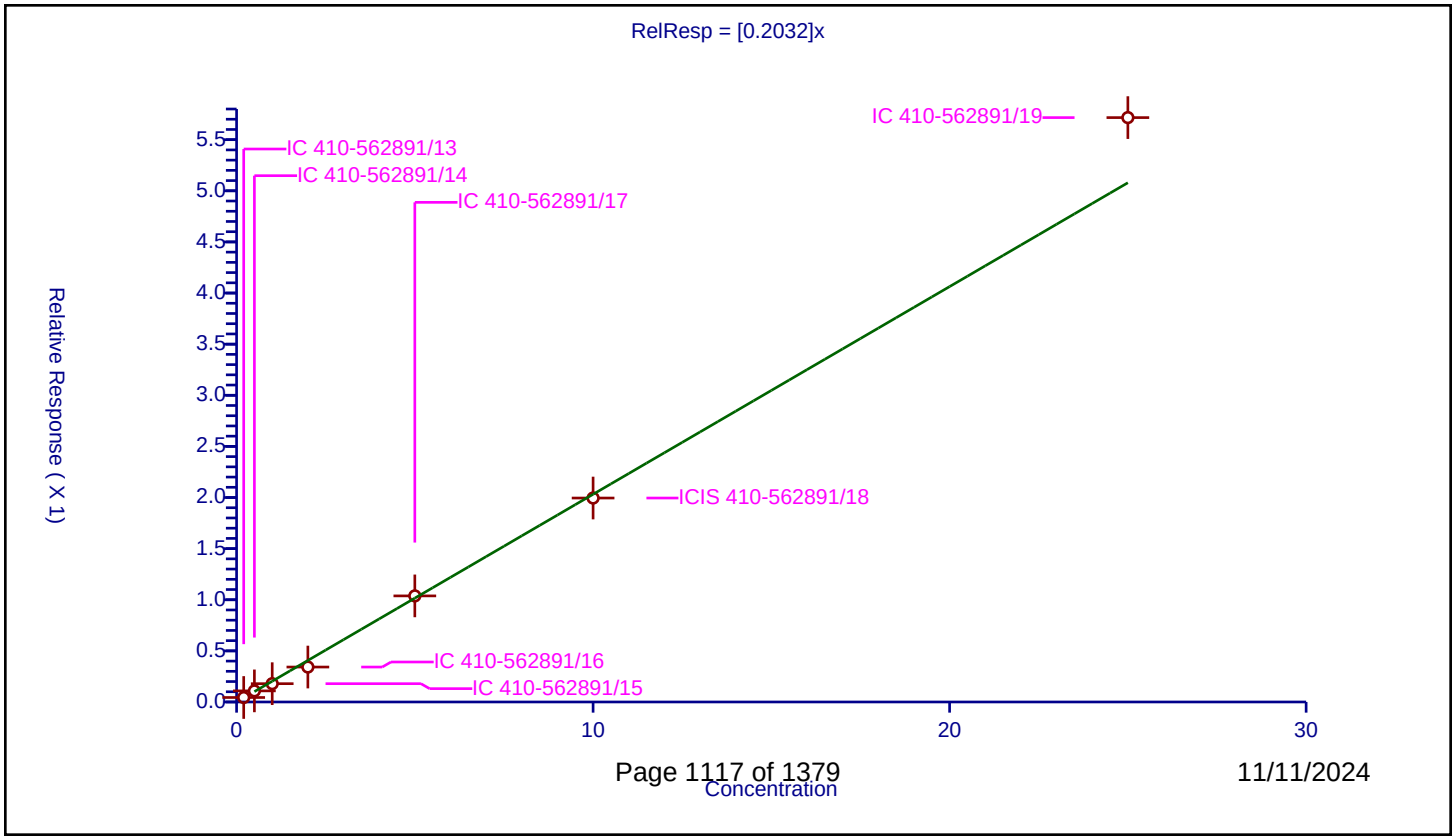
Curve Coefficients

Intercept:	0
Slope:	0.2032

Error Coefficients

Relative Standard Deviation:	10.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.043846	10.0	2082750.0	0.219229	Y
2	IC 410-562891/14	0.5	0.108617	10.0	2073531.0	0.217233	Y
3	IC 410-562891/15	1.0	0.178981	10.0	2064073.0	0.178981	Y
4	IC 410-562891/16	2.0	0.341925	10.0	2072912.0	0.170962	Y
5	IC 410-562891/17	5.0	1.037805	10.0	2077057.0	0.207561	Y
6	ICIS 410-562891/18	10.0	1.994856	10.0	2106583.0	0.199486	Y
7	IC 410-562891/19	25.0	5.716065	10.0	2152918.0	0.228643	Y



Calibration / Hexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

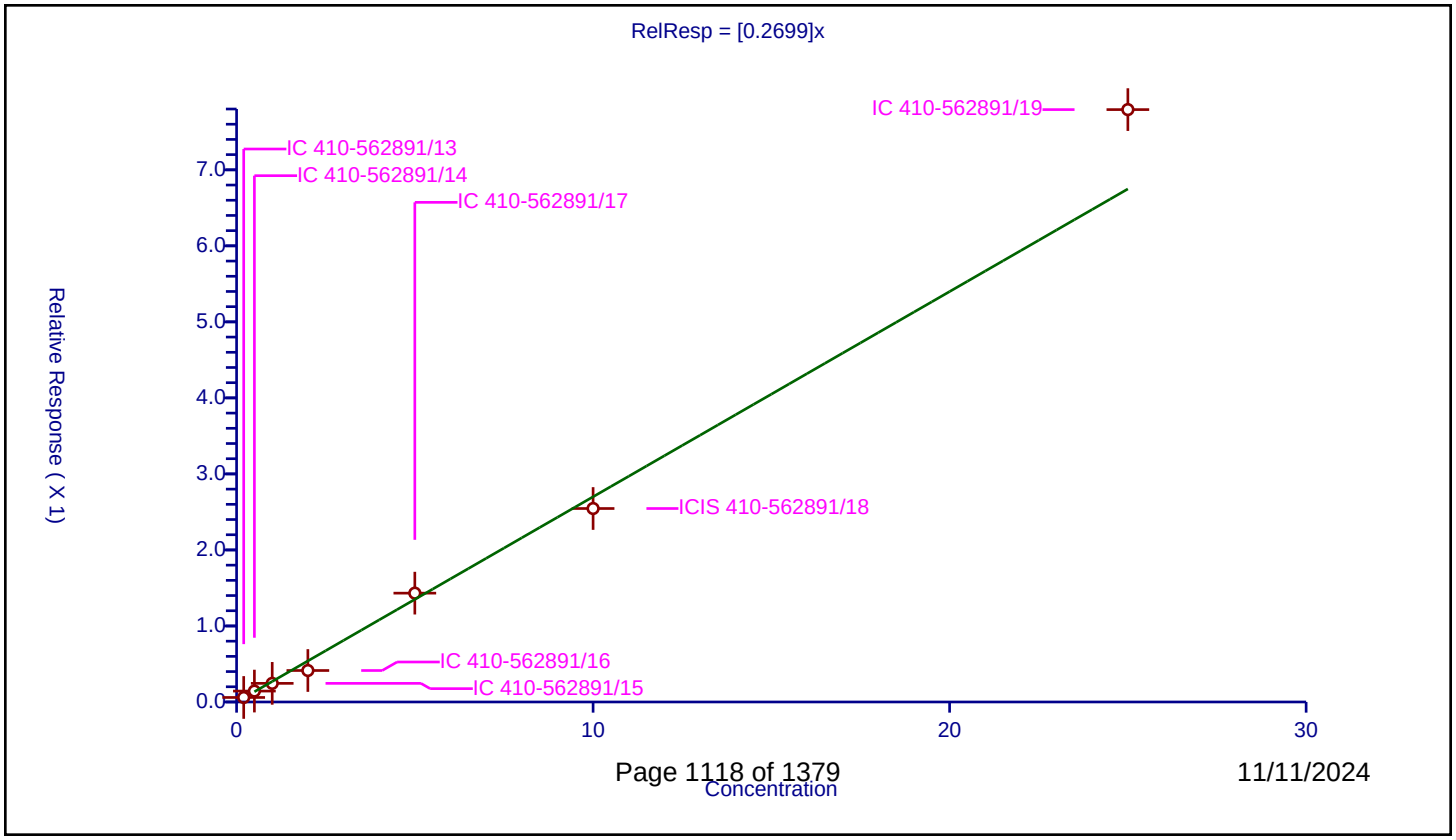
Curve Coefficients

Intercept:	0
Slope:	0.2699

Error Coefficients

Relative Standard Deviation:	13.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.059537	10.0	2082750.0	0.297683	Y
2	IC 410-562891/14	0.5	0.143629	10.0	2073531.0	0.287259	Y
3	IC 410-562891/15	1.0	0.245049	10.0	2064073.0	0.245049	Y
4	IC 410-562891/16	2.0	0.414065	10.0	2072912.0	0.207032	Y
5	IC 410-562891/17	5.0	1.431564	10.0	2077057.0	0.286313	Y
6	ICIS 410-562891/18	10.0	2.545041	10.0	2106583.0	0.254504	Y
7	IC 410-562891/19	25.0	7.792131	10.0	2152918.0	0.311685	Y



Calibration / 1,1-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

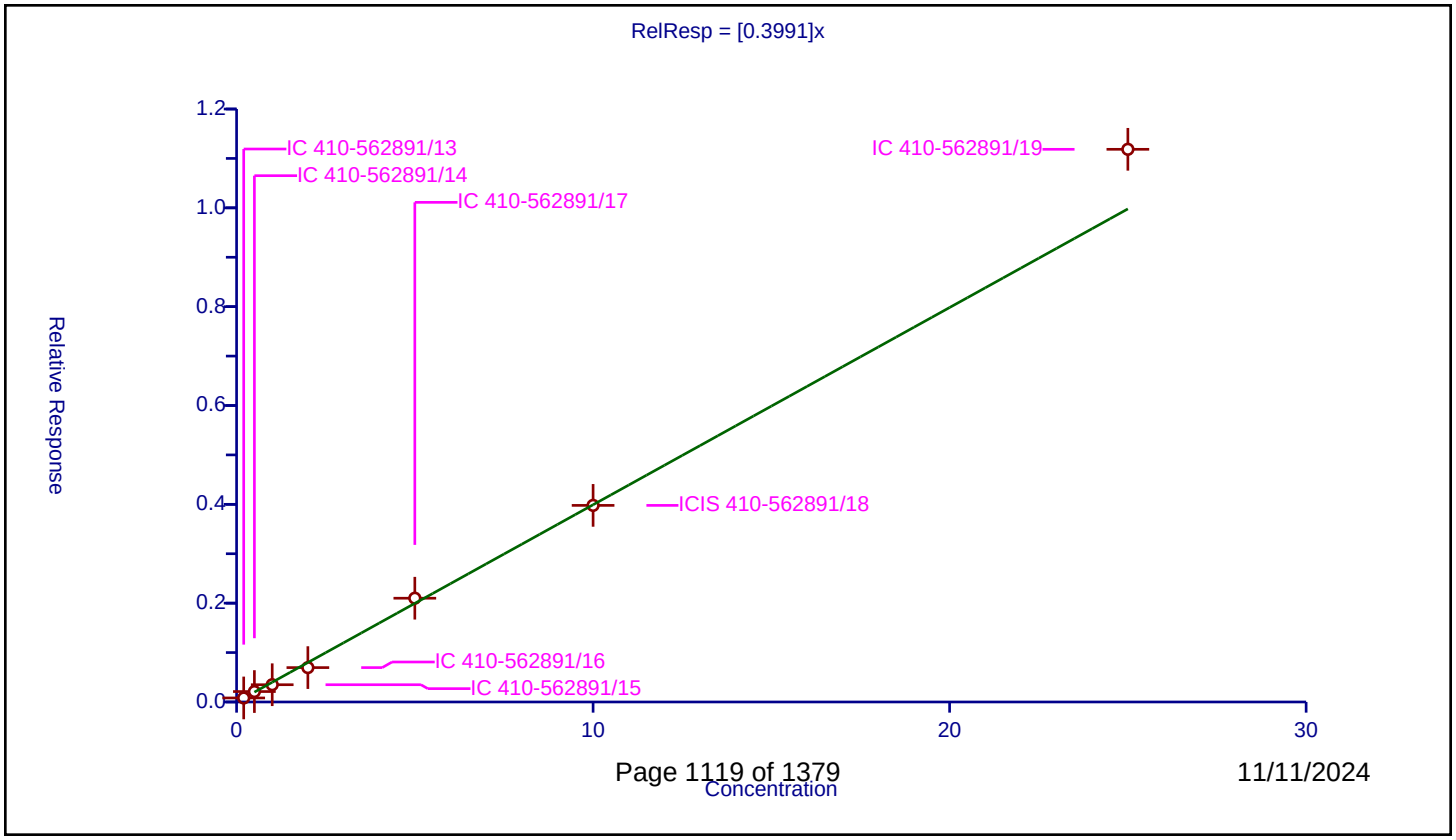
Curve Coefficients

Intercept:	0
Slope:	0.3991

Error Coefficients

Relative Standard Deviation:	9.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.081767	10.0	2082750.0	0.408834	Y
2	IC 410-562891/14	0.5	0.211166	10.0	2073531.0	0.422333	Y
3	IC 410-562891/15	1.0	0.349629	10.0	2064073.0	0.349629	Y
4	IC 410-562891/16	2.0	0.695616	10.0	2072912.0	0.347808	Y
5	IC 410-562891/17	5.0	2.100294	10.0	2077057.0	0.420059	Y
6	ICIS 410-562891/18	10.0	3.978566	10.0	2106583.0	0.397857	Y
7	IC 410-562891/19	25.0	11.184815	10.0	2152918.0	0.447393	Y



Calibration / Isopropyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

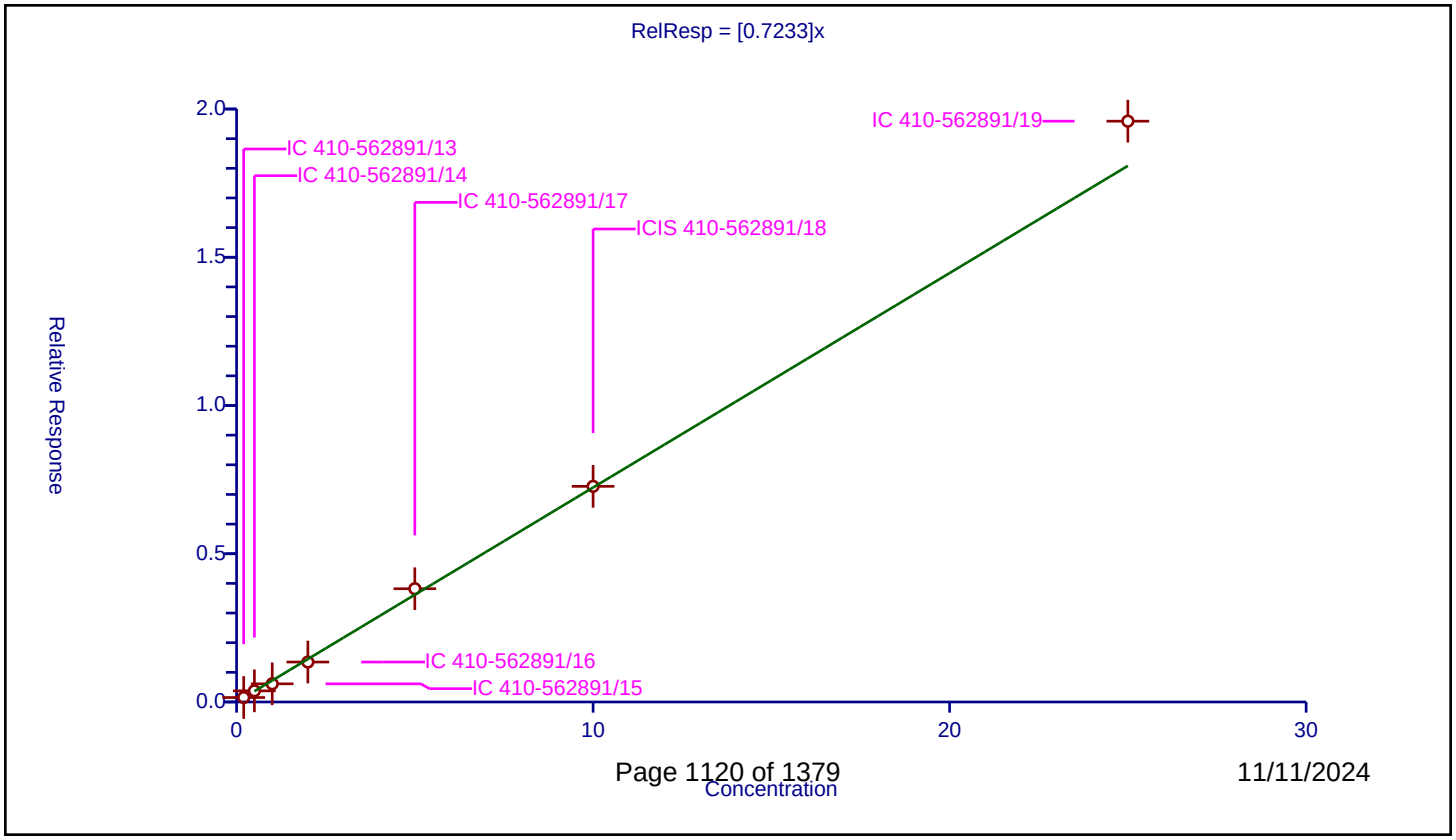
Curve Coefficients

Intercept:	0
Slope:	0.7233

Error Coefficients

Relative Standard Deviation:	8.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.150364	10.0	2082750.0	0.751819	Y
2	IC 410-562891/14	0.5	0.375085	10.0	2073531.0	0.75017	Y
3	IC 410-562891/15	1.0	0.61259	10.0	2064073.0	0.61259	Y
4	IC 410-562891/16	2.0	1.347636	10.0	2072912.0	0.673818	Y
5	IC 410-562891/17	5.0	3.82029	10.0	2077057.0	0.764058	Y
6	ICIS 410-562891/18	10.0	7.273495	10.0	2106583.0	0.727349	Y
7	IC 410-562891/19	25.0	19.58965	10.0	2152918.0	0.783586	Y



Calibration / 2-Chloro-1,3-butadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

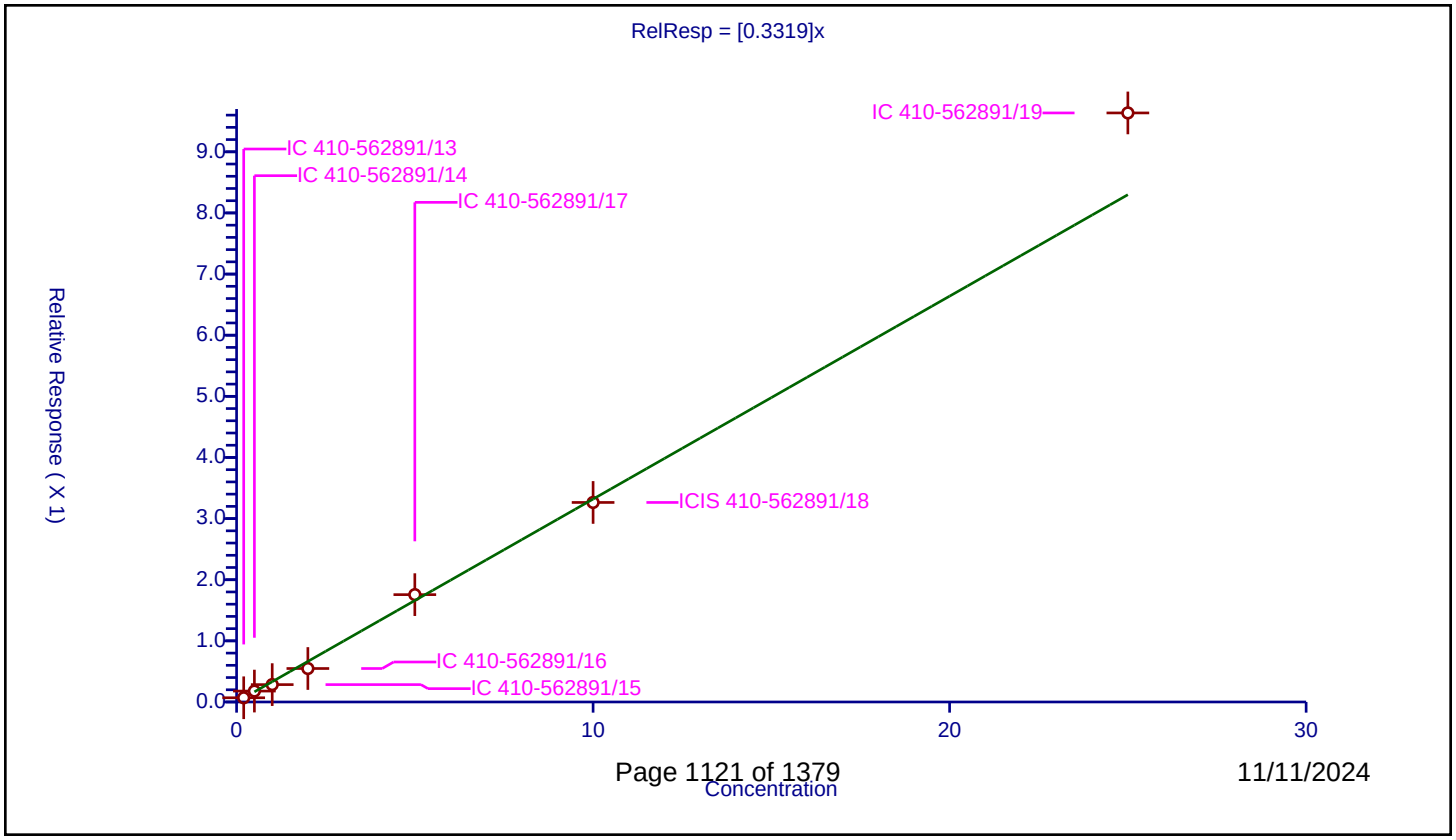
Curve Coefficients

Intercept:	0
Slope:	0.3319

Error Coefficients

Relative Standard Deviation:	12.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.068943	10.0	2082750.0	0.344713	Y
2	IC 410-562891/14	0.5	0.17884	10.0	2073531.0	0.35768	Y
3	IC 410-562891/15	1.0	0.284273	10.0	2064073.0	0.284273	Y
4	IC 410-562891/16	2.0	0.547544	10.0	2072912.0	0.273772	Y
5	IC 410-562891/17	5.0	1.756086	10.0	2077057.0	0.351217	Y
6	ICIS 410-562891/18	10.0	3.264134	10.0	2106583.0	0.326413	Y
7	IC 410-562891/19	25.0	9.636071	10.0	2152918.0	0.385443	Y



Calibration / Tert-butyl ethyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

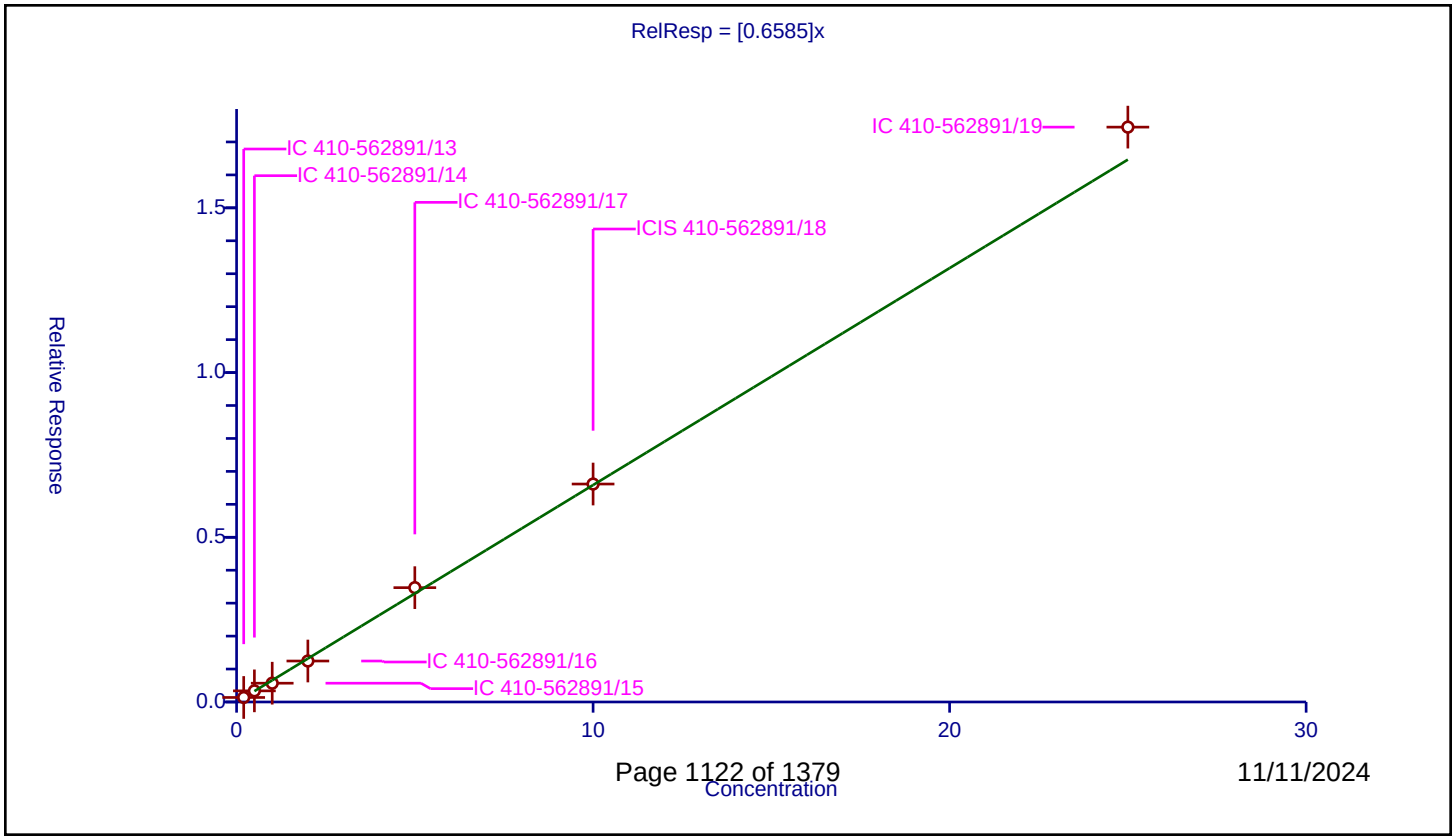
Curve Coefficients

Intercept:	0
Slope:	0.6585

Error Coefficients

Relative Standard Deviation:	7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.137434	10.0	2082750.0	0.687168	Y
2	IC 410-562891/14	0.5	0.338211	10.0	2073531.0	0.676421	Y
3	IC 410-562891/15	1.0	0.570334	10.0	2064073.0	0.570334	Y
4	IC 410-562891/16	2.0	1.243912	10.0	2072912.0	0.621956	Y
5	IC 410-562891/17	5.0	3.470945	10.0	2077057.0	0.694189	Y
6	ICIS 410-562891/18	10.0	6.616397	10.0	2106583.0	0.66164	Y
7	IC 410-562891/19	25.0	17.450507	10.0	2152918.0	0.69802	Y



Calibration / 2-Butanone (MEK)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

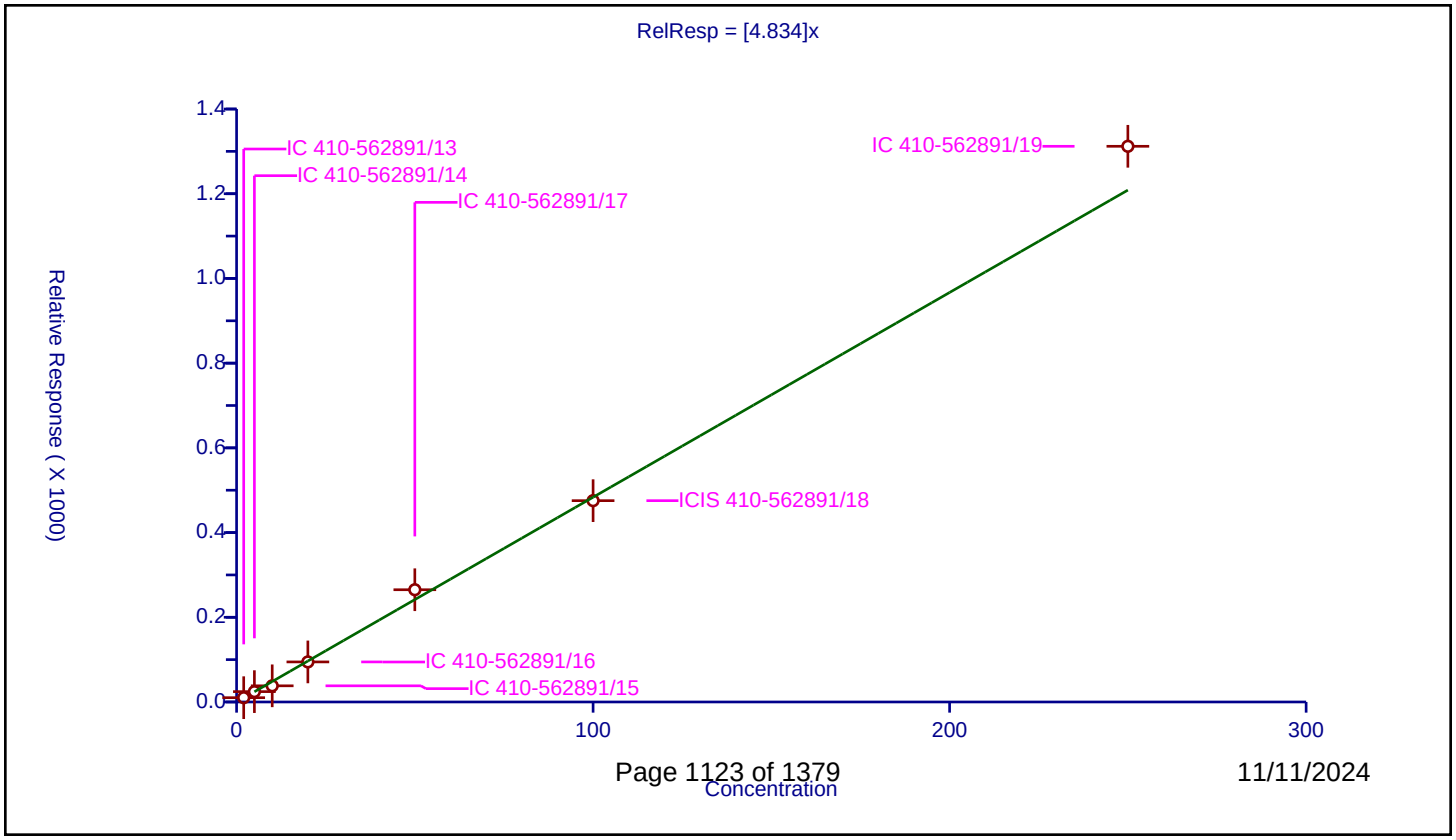
Curve Coefficients

Intercept:	0
Slope:	4.834

Error Coefficients

Relative Standard Deviation:	10.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	2.0	10.179344	50.0	89716.0	5.089672	Y
2	IC 410-562891/14	5.0	24.485252	50.0	93201.0	4.89705	Y
3	IC 410-562891/15	10.0	38.208982	50.0	100267.0	3.820898	Y
4	IC 410-562891/16	20.0	94.597877	50.0	93056.0	4.729894	Y
5	IC 410-562891/17	50.0	265.006184	50.0	95404.0	5.300124	Y
6	ICIS 410-562891/18	100.0	475.321358	50.0	108835.0	4.753214	Y
7	IC 410-562891/19	250.0	1311.976868	50.0	94503.0	5.247907	Y



Calibration / cis-1,2-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

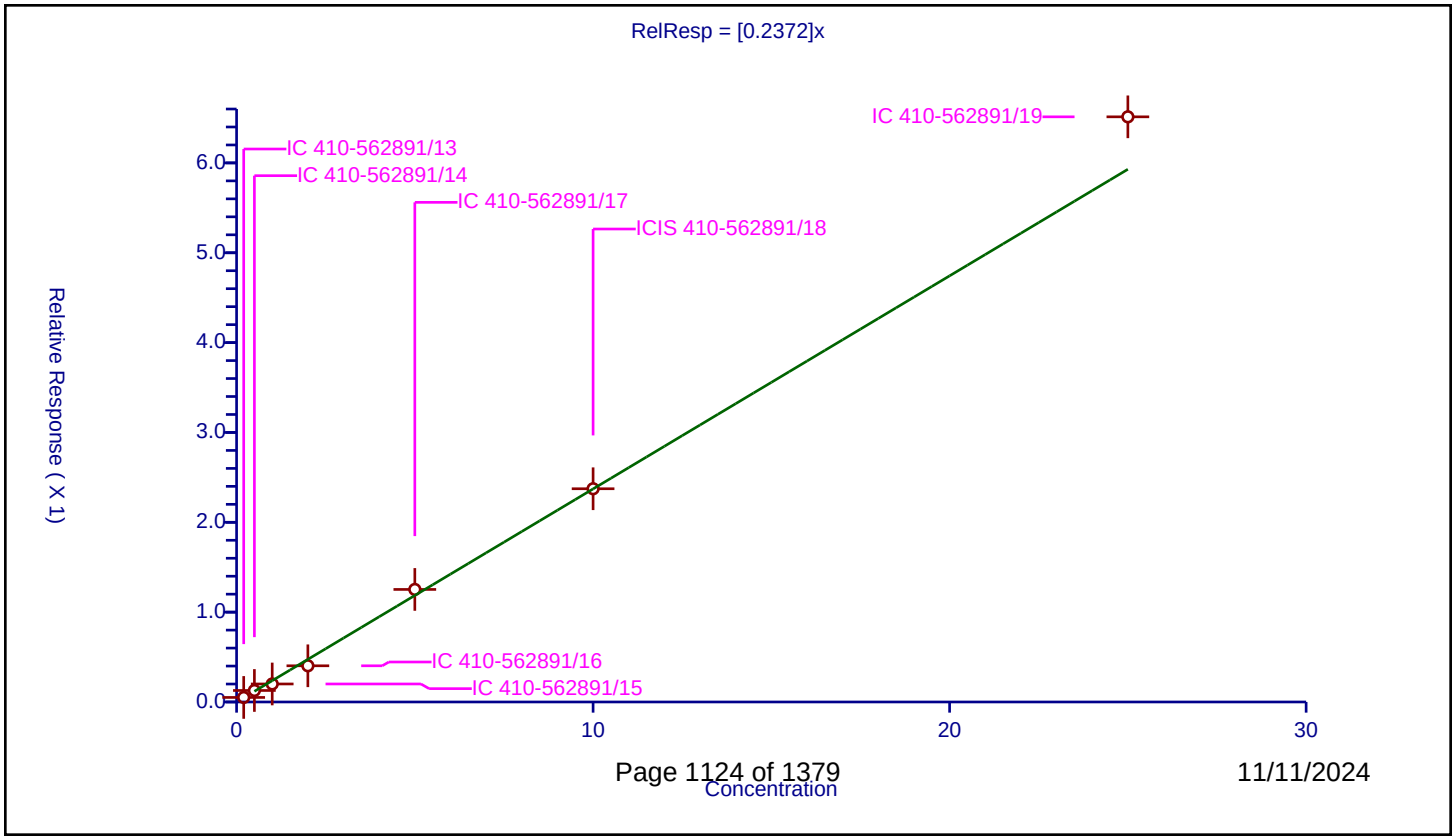
Curve Coefficients

Intercept:	0
Slope:	0.2372

Error Coefficients

Relative Standard Deviation:	10.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.050664	10.0	2082750.0	0.253319	Y
2	IC 410-562891/14	0.5	0.128158	10.0	2073531.0	0.256316	Y
3	IC 410-562891/15	1.0	0.200613	10.0	2064073.0	0.200613	Y
4	IC 410-562891/16	2.0	0.402993	10.0	2072912.0	0.201497	Y
5	IC 410-562891/17	5.0	1.252676	10.0	2077057.0	0.250535	Y
6	ICIS 410-562891/18	10.0	2.373408	10.0	2106583.0	0.237341	Y
7	IC 410-562891/19	25.0	6.513016	10.0	2152918.0	0.260521	Y



Calibration / 2,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

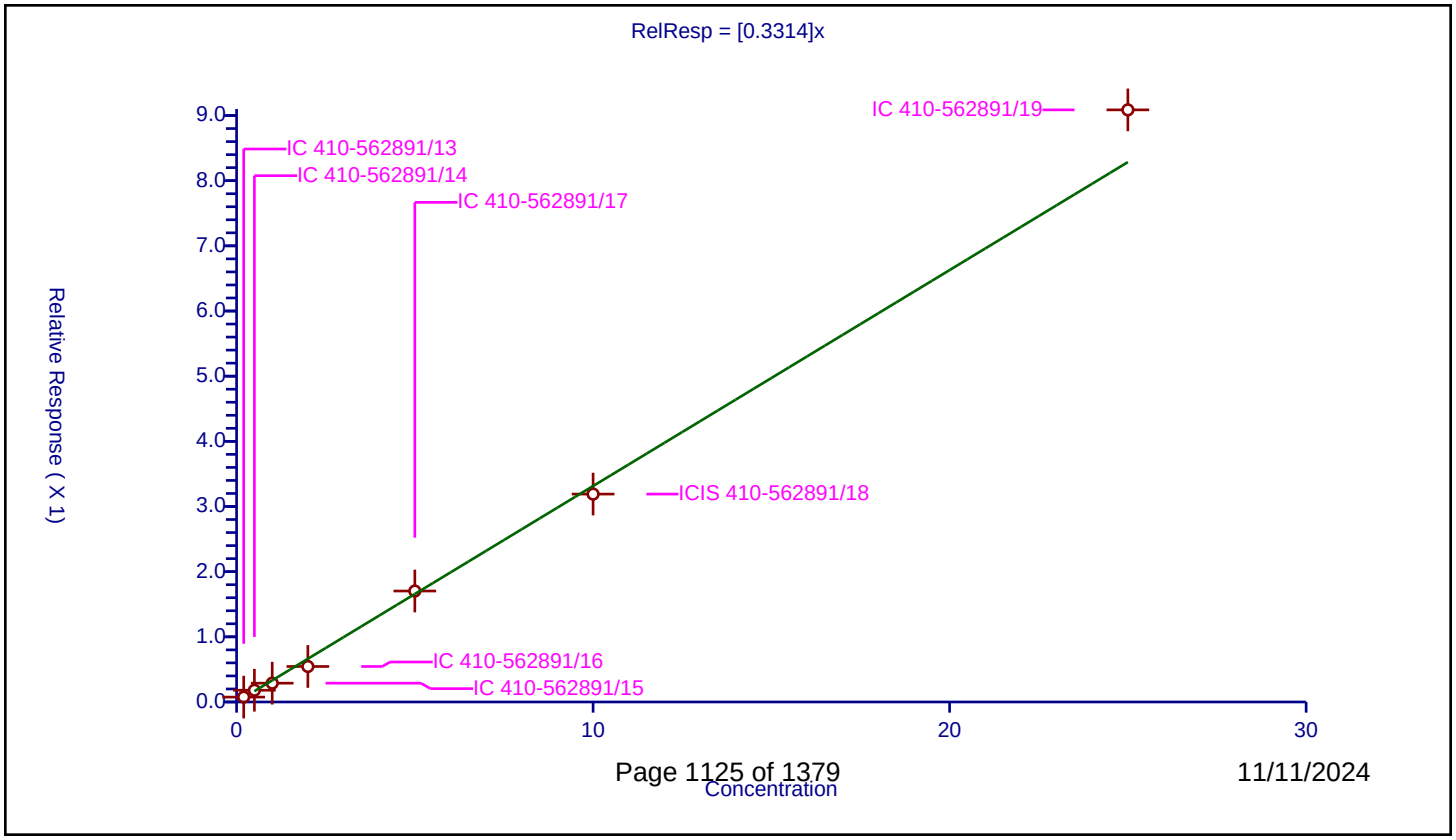
Curve Coefficients

Intercept:	0
Slope:	0.3314

Error Coefficients

Relative Standard Deviation:	11.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.075002	10.0	2082750.0	0.375009	Y
2	IC 410-562891/14	0.5	0.180205	10.0	2073531.0	0.360409	Y
3	IC 410-562891/15	1.0	0.288856	10.0	2064073.0	0.288856	Y
4	IC 410-562891/16	2.0	0.544915	10.0	2072912.0	0.272457	Y
5	IC 410-562891/17	5.0	1.702958	10.0	2077057.0	0.340592	Y
6	ICIS 410-562891/18	10.0	3.190437	10.0	2106583.0	0.319044	Y
7	IC 410-562891/19	25.0	9.086751	10.0	2152918.0	0.36347	Y



Calibration / Propionitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

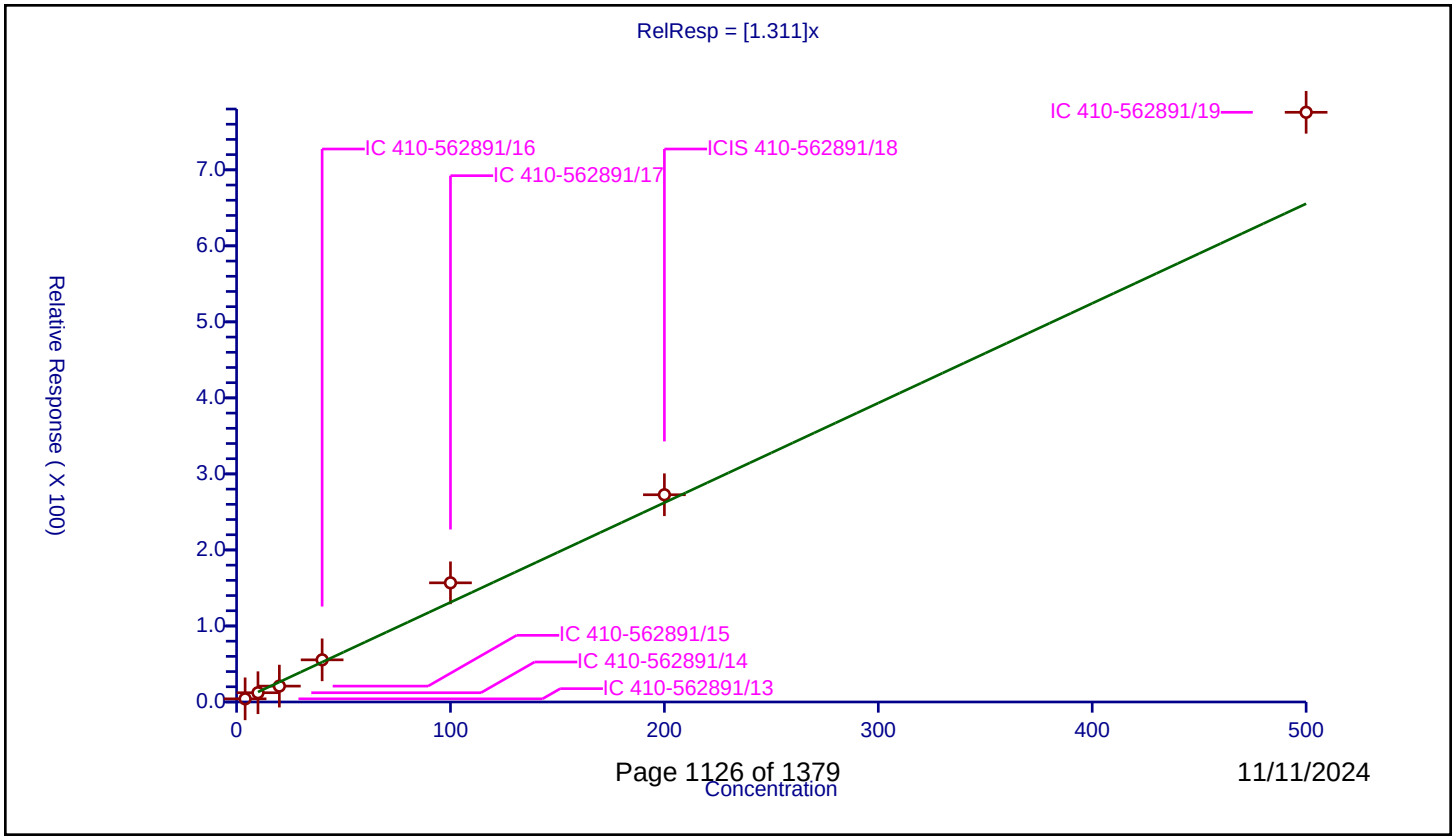
Curve Coefficients

Intercept:	0
Slope:	1.311

Error Coefficients

Relative Standard Deviation:	16.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	4.0	4.173726	50.0	89716.0	1.043431	Y
2	IC 410-562891/14	10.0	12.199976	50.0	93201.0	1.219998	Y
3	IC 410-562891/15	20.0	20.900695	50.0	100267.0	1.045035	Y
4	IC 410-562891/16	40.0	55.44081	50.0	93056.0	1.38602	Y
5	IC 410-562891/17	100.0	156.743428	50.0	95404.0	1.567434	Y
6	ICIS 410-562891/18	200.0	272.586944	50.0	108835.0	1.362935	Y
7	IC 410-562891/19	500.0	775.694422	50.0	94503.0	1.551389	Y



11/11/2024

Calibration / Methacrylonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

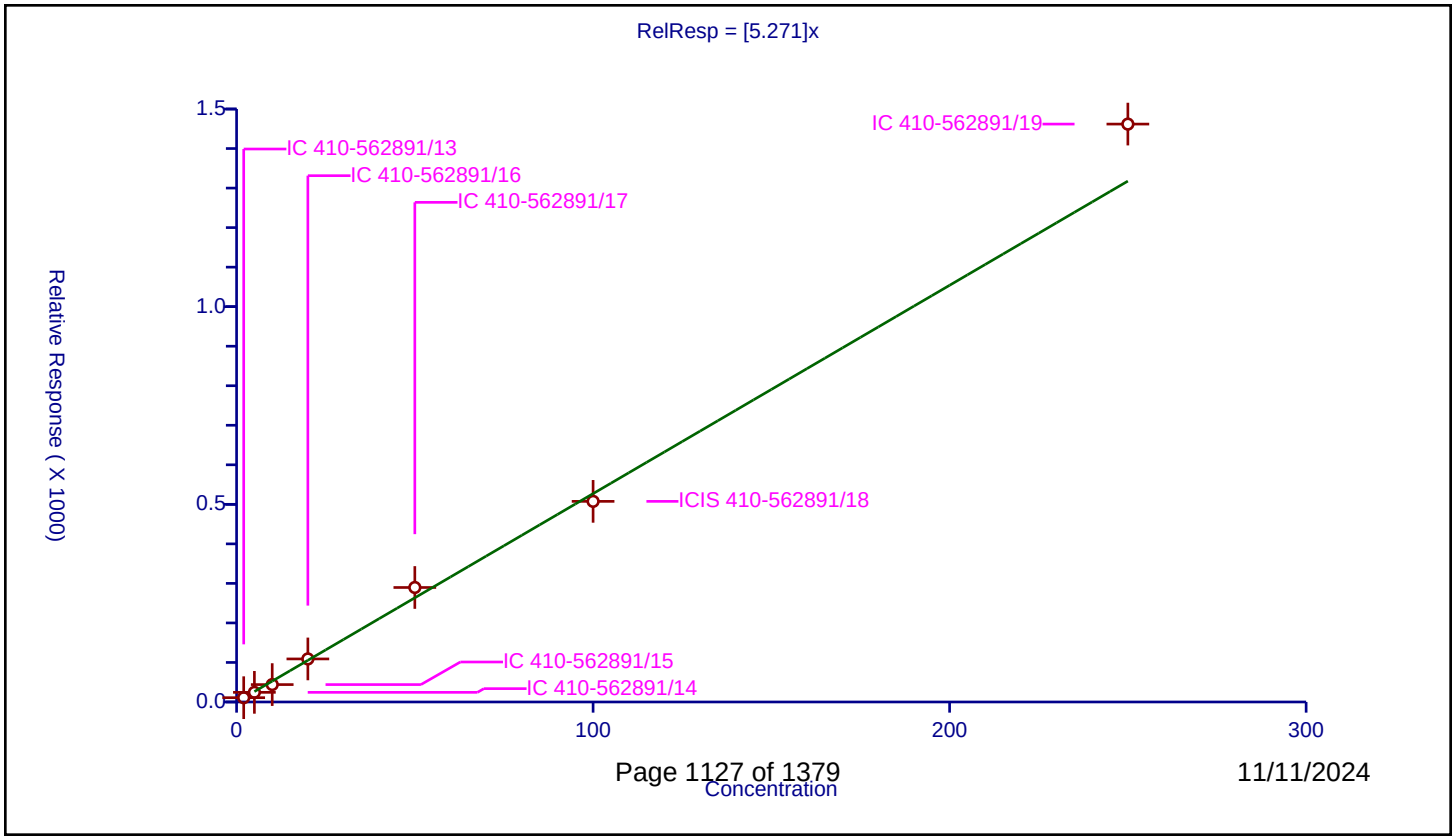
Curve Coefficients

Intercept:	0
Slope:	5.271

Error Coefficients

Relative Standard Deviation:	9.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	2.0	10.902738	50.0	89716.0	5.451369	Y
2	IC 410-562891/14	5.0	24.410146	50.0	93201.0	4.882029	Y
3	IC 410-562891/15	10.0	43.998025	50.0	100267.0	4.399803	Y
4	IC 410-562891/16	20.0	108.926345	50.0	93056.0	5.446317	Y
5	IC 410-562891/17	50.0	289.601065	50.0	95404.0	5.792021	Y
6	ICIS 410-562891/18	100.0	507.521477	50.0	108835.0	5.075215	Y
7	IC 410-562891/19	250.0	1461.853063	50.0	94503.0	5.847412	Y



Calibration / Chlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

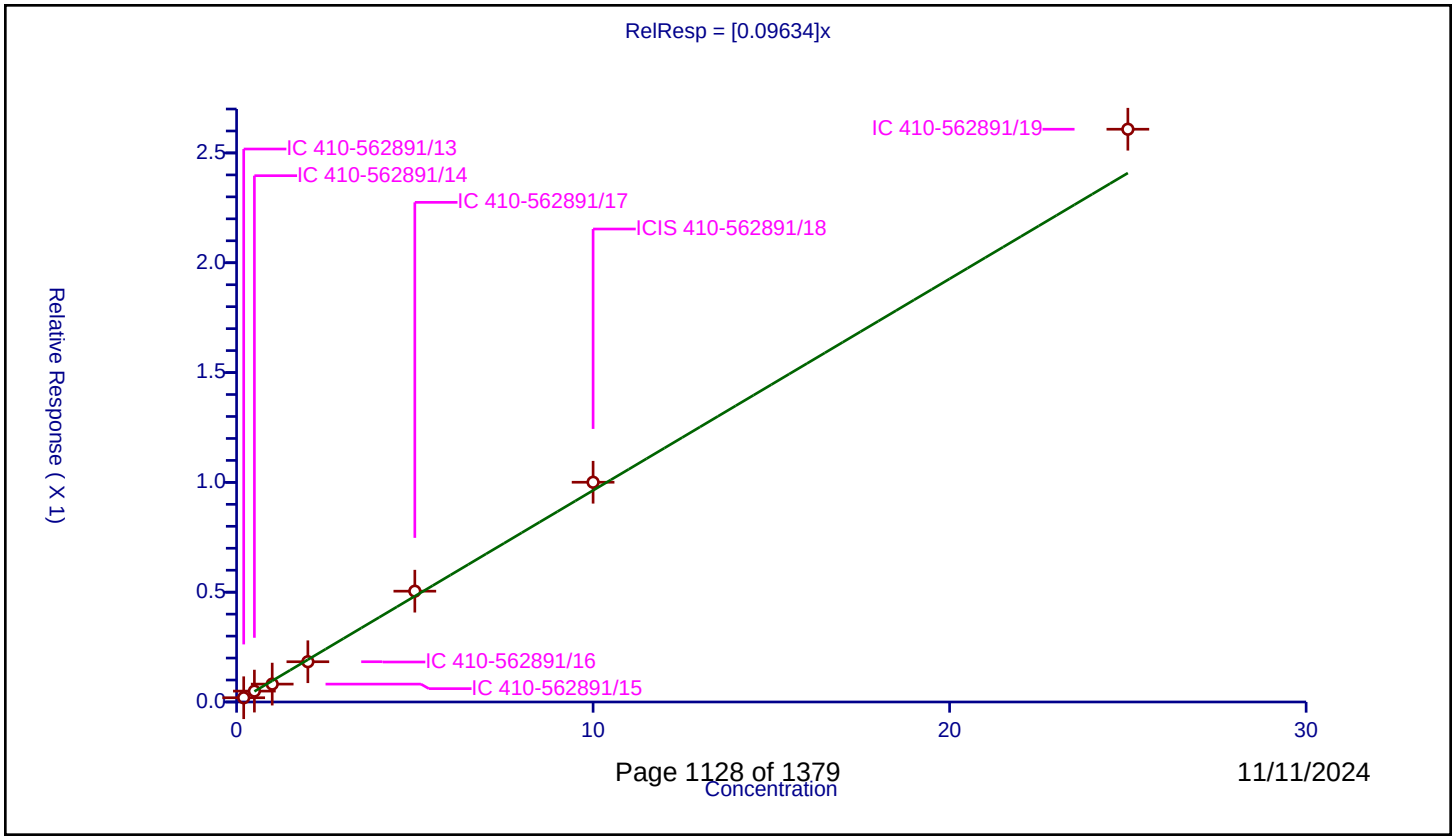
Curve Coefficients

Intercept:	0
Slope:	0.09634

Error Coefficients

Relative Standard Deviation:	7.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.019378	10.0	2082750.0	0.096891	Y
2	IC 410-562891/14	0.5	0.049568	10.0	2073531.0	0.099135	Y
3	IC 410-562891/15	1.0	0.081422	10.0	2064073.0	0.081422	Y
4	IC 410-562891/16	2.0	0.183278	10.0	2072912.0	0.091639	Y
5	IC 410-562891/17	5.0	0.504623	10.0	2077057.0	0.100925	Y
6	ICIS 410-562891/18	10.0	1.00053	10.0	2106583.0	0.100053	Y
7	IC 410-562891/19	25.0	2.60793	10.0	2152918.0	0.104317	Y



Calibration / Tetrahydrofuran

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

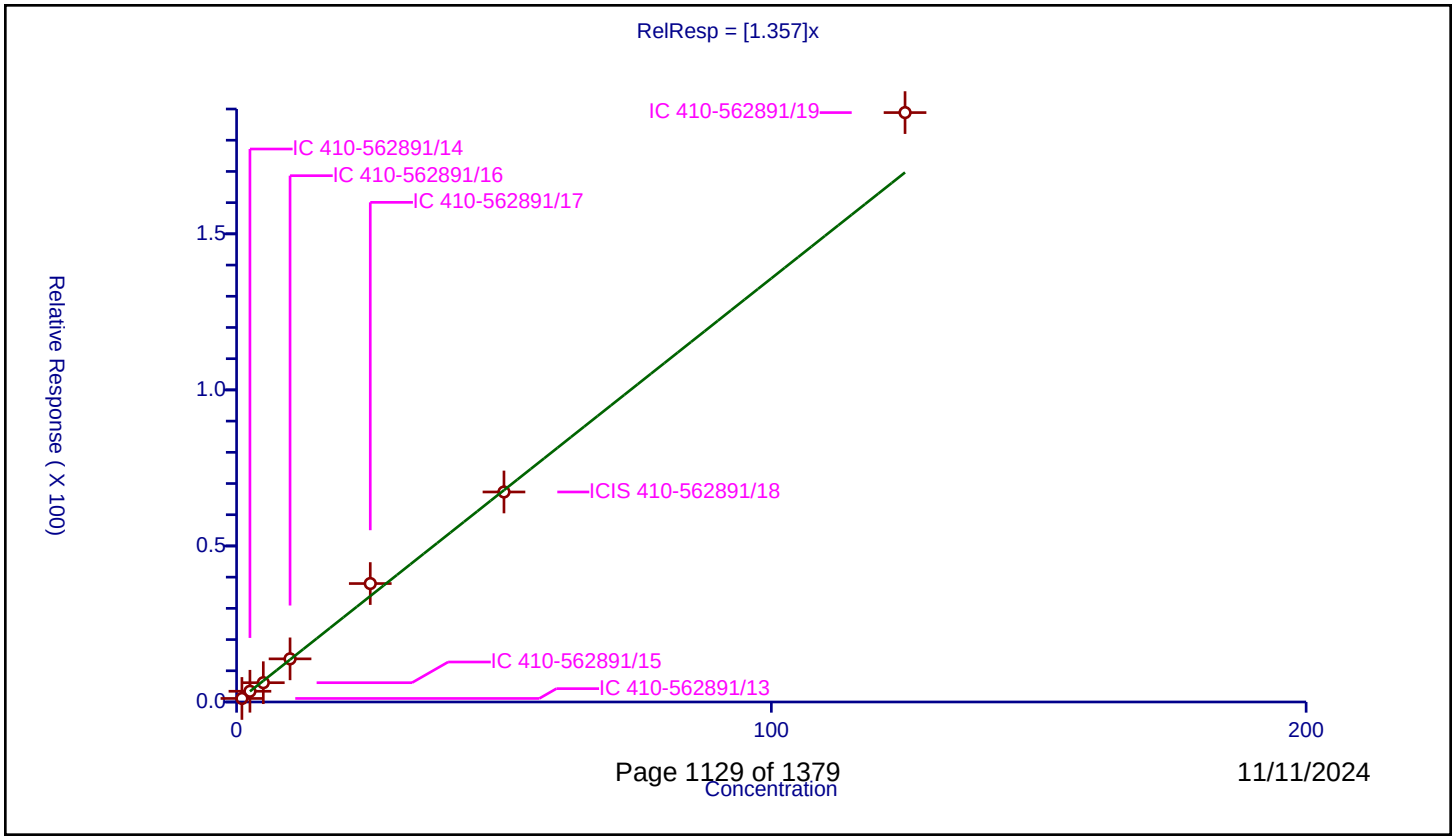
Curve Coefficients

Intercept:	0
Slope:	1.357

Error Coefficients

Relative Standard Deviation:	10.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	1.0	1.132462	50.0	89716.0	1.132462	Y
2	IC 410-562891/14	2.5	3.442023	50.0	93201.0	1.376809	Y
3	IC 410-562891/15	5.0	6.178503	50.0	100267.0	1.235701	Y
4	IC 410-562891/16	10.0	13.822859	50.0	93056.0	1.382286	Y
5	IC 410-562891/17	25.0	37.948094	50.0	95404.0	1.517924	Y
6	ICIS 410-562891/18	50.0	67.295447	50.0	108835.0	1.345909	Y
7	IC 410-562891/19	125.0	188.858555	50.0	94503.0	1.510868	Y



Calibration / Chloroform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

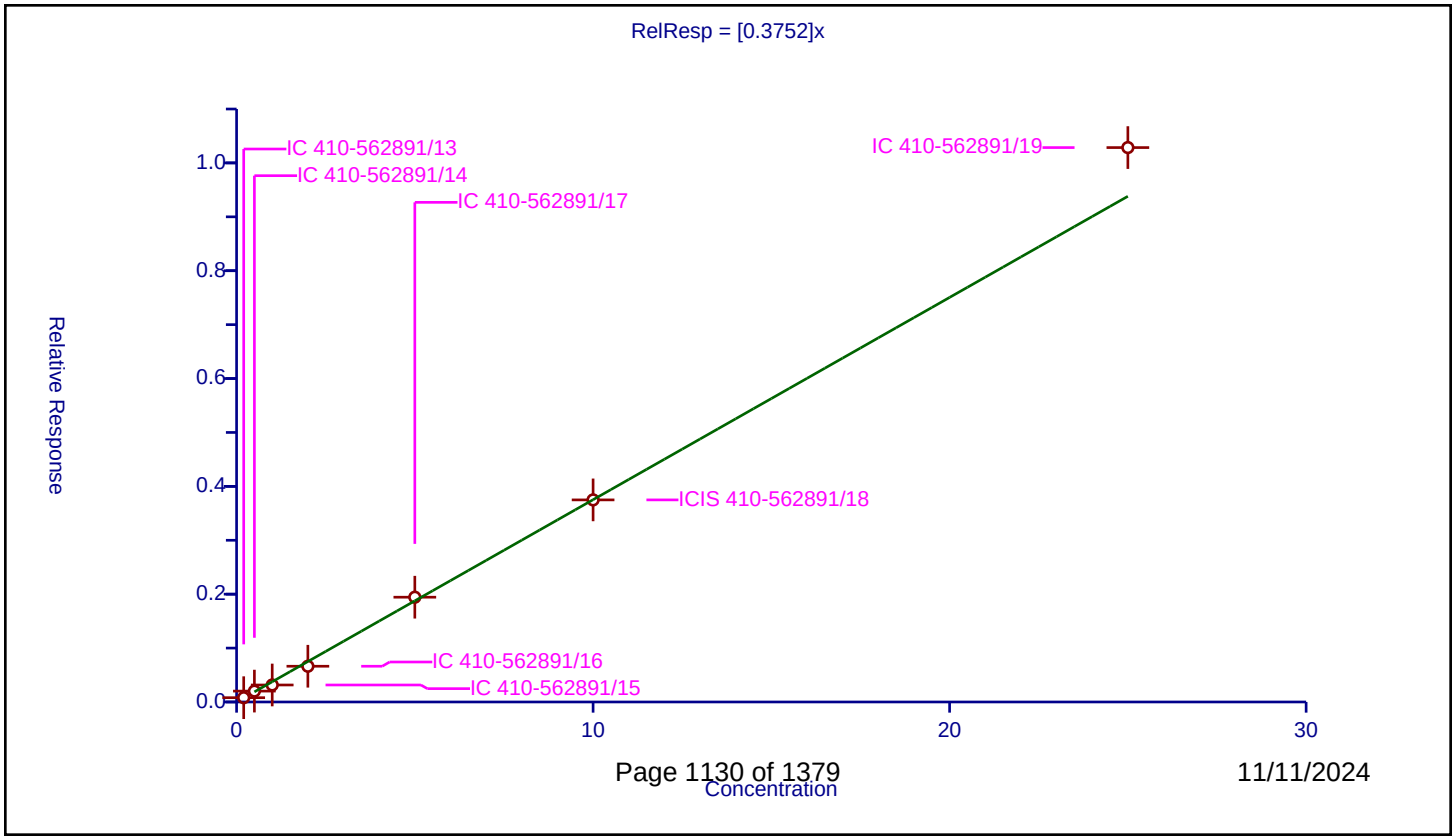
Curve Coefficients

Intercept:	0
Slope:	0.3752

Error Coefficients

Relative Standard Deviation:	10.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.080115	10.0	2082750.0	0.400576	Y
2	IC 410-562891/14	0.5	0.202085	10.0	2073531.0	0.40417	Y
3	IC 410-562891/15	1.0	0.315323	10.0	2064073.0	0.315323	Y
4	IC 410-562891/16	2.0	0.663251	10.0	2072912.0	0.331625	Y
5	IC 410-562891/17	5.0	1.943721	10.0	2077057.0	0.388744	Y
6	ICIS 410-562891/18	10.0	3.748744	10.0	2106583.0	0.374874	Y
7	IC 410-562891/19	25.0	10.284906	10.0	2152918.0	0.411396	Y



Calibration / Dibromofluoromethane (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

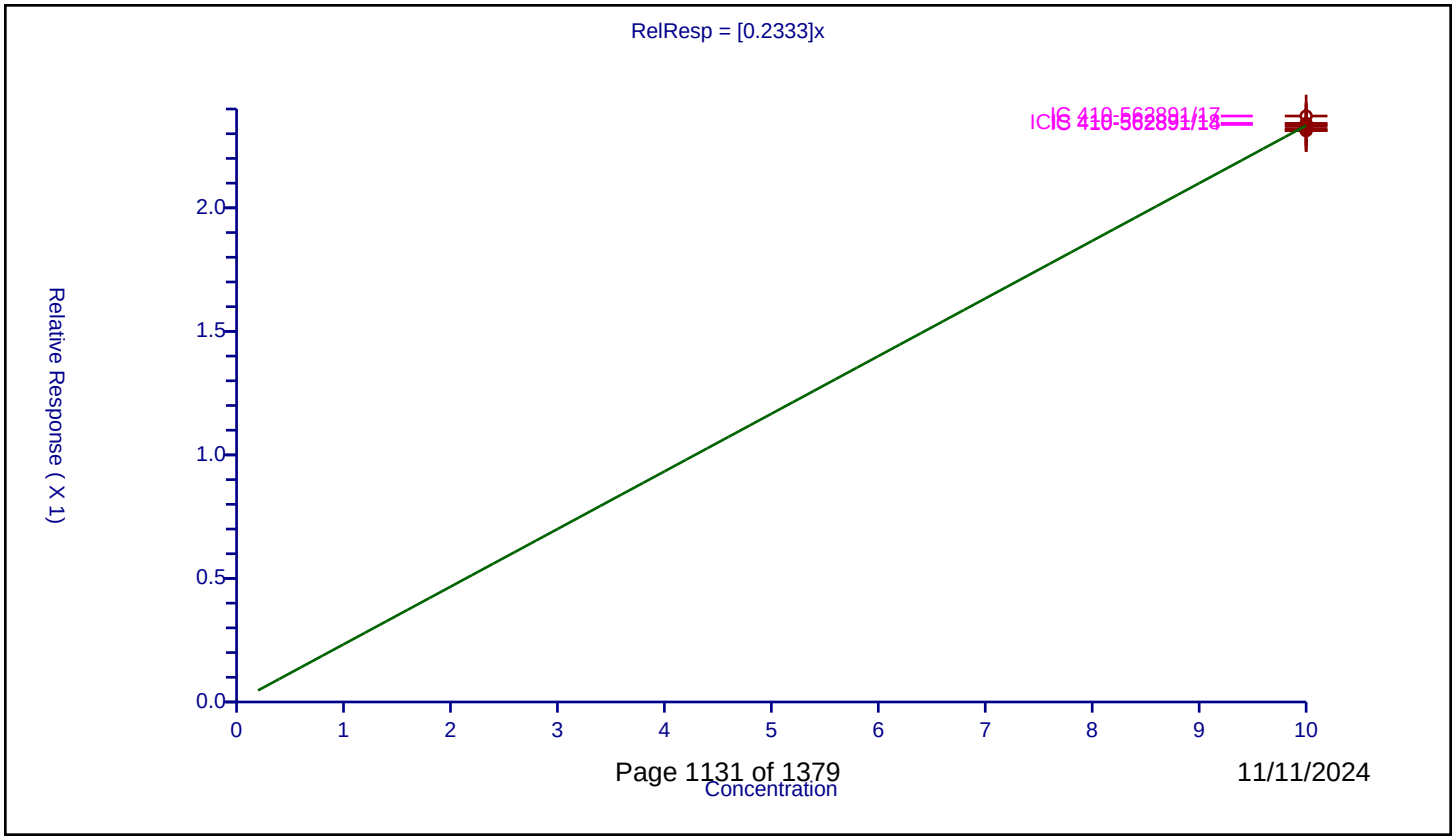
Curve Coefficients

Intercept:	0
Slope:	0.2333

Error Coefficients

Relative Standard Deviation:	0.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	10.0	2.321148	10.0	2082750.0	0.232115	Y
2	IC 410-562891/14	10.0	2.337414	10.0	2073531.0	0.233741	Y
3	IC 410-562891/15	10.0	2.313348	10.0	2064073.0	0.231335	Y
4	IC 410-562891/16	10.0	2.332062	10.0	2072912.0	0.233206	Y
5	IC 410-562891/17	10.0	2.371615	10.0	2077057.0	0.237162	Y
6	ICIS 410-562891/18	10.0	2.341925	10.0	2106583.0	0.234193	Y
7	IC 410-562891/19	10.0	2.312763	10.0	2152918.0	0.231276	Y



Calibration / 1,1,1-Trichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

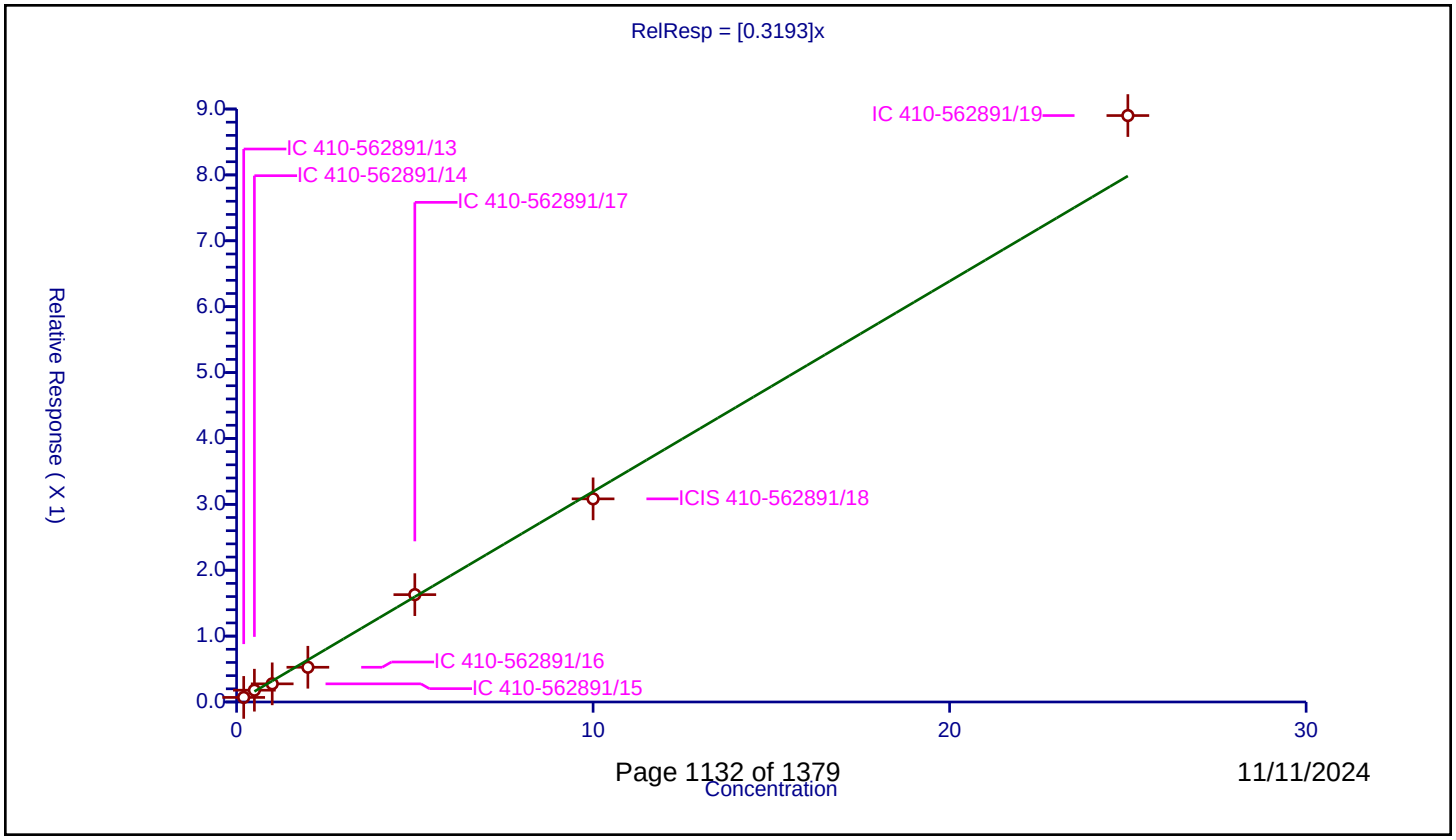
Curve Coefficients

Intercept:	0
Slope:	0.3193

Error Coefficients

Relative Standard Deviation:	12.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.069576	10.0	2082750.0	0.347881	Y
2	IC 410-562891/14	0.5	0.179115	10.0	2073531.0	0.35823	Y
3	IC 410-562891/15	1.0	0.275494	10.0	2064073.0	0.275494	Y
4	IC 410-562891/16	2.0	0.527186	10.0	2072912.0	0.263593	Y
5	IC 410-562891/17	5.0	1.62919	10.0	2077057.0	0.325838	Y
6	ICIS 410-562891/18	10.0	3.083016	10.0	2106583.0	0.308302	Y
7	IC 410-562891/19	25.0	8.900697	10.0	2152918.0	0.356028	Y



Calibration / Cyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

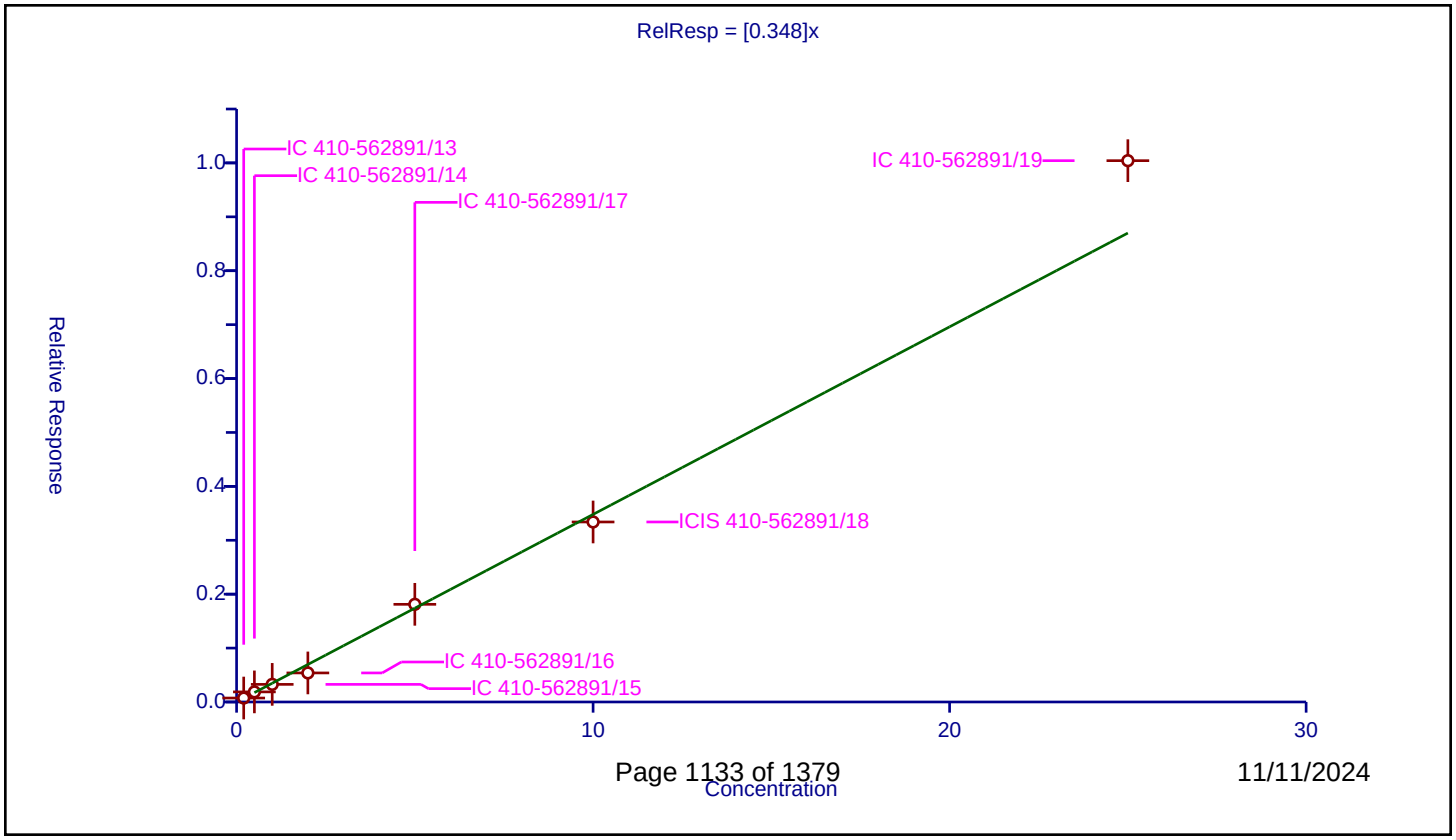
Curve Coefficients

Intercept:	0
Slope:	0.348

Error Coefficients

Relative Standard Deviation:	12.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.073403	10.0	2082750.0	0.367015	Y
2	IC 410-562891/14	0.5	0.187251	10.0	2073531.0	0.374501	Y
3	IC 410-562891/15	1.0	0.326878	10.0	2064073.0	0.326878	Y
4	IC 410-562891/16	2.0	0.538754	10.0	2072912.0	0.269377	Y
5	IC 410-562891/17	5.0	1.81191	10.0	2077057.0	0.362382	Y
6	ICIS 410-562891/18	10.0	3.339498	10.0	2106583.0	0.33395	Y
7	IC 410-562891/19	25.0	10.041683	10.0	2152918.0	0.401667	Y



Calibration / 1,1-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

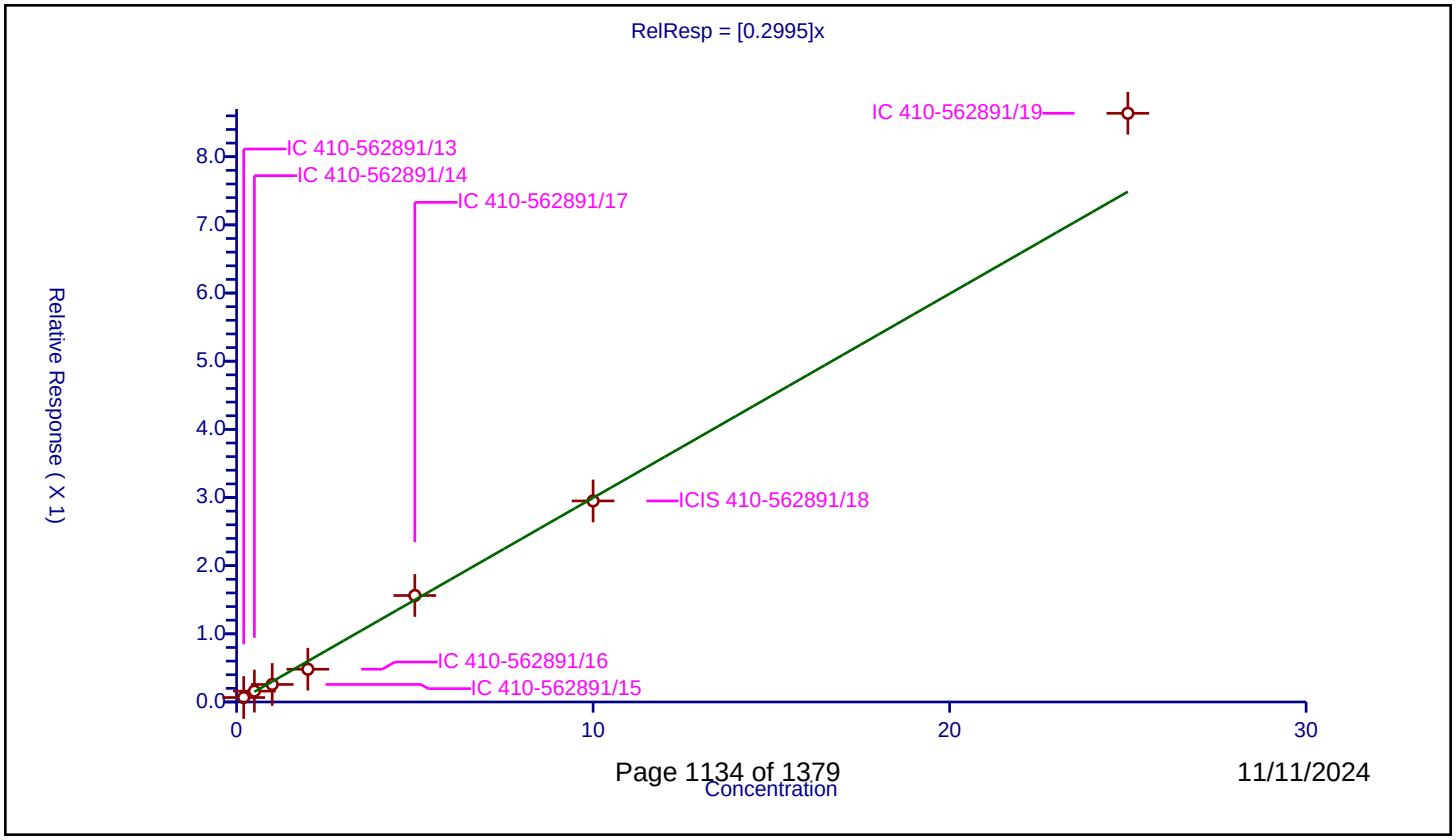
Curve Coefficients

Intercept:	0
Slope:	0.2995

Error Coefficients

Relative Standard Deviation:	12.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.06537	10.0	2082750.0	0.326852	Y
2	IC 410-562891/14	0.5	0.159506	10.0	2073531.0	0.319011	Y
3	IC 410-562891/15	1.0	0.257258	10.0	2064073.0	0.257258	Y
4	IC 410-562891/16	2.0	0.480522	10.0	2072912.0	0.240261	Y
5	IC 410-562891/17	5.0	1.562437	10.0	2077057.0	0.312487	Y
6	ICIS 410-562891/18	10.0	2.949715	10.0	2106583.0	0.294972	Y
7	IC 410-562891/19	25.0	8.637277	10.0	2152918.0	0.345491	Y



Calibration / Carbon tetrachloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

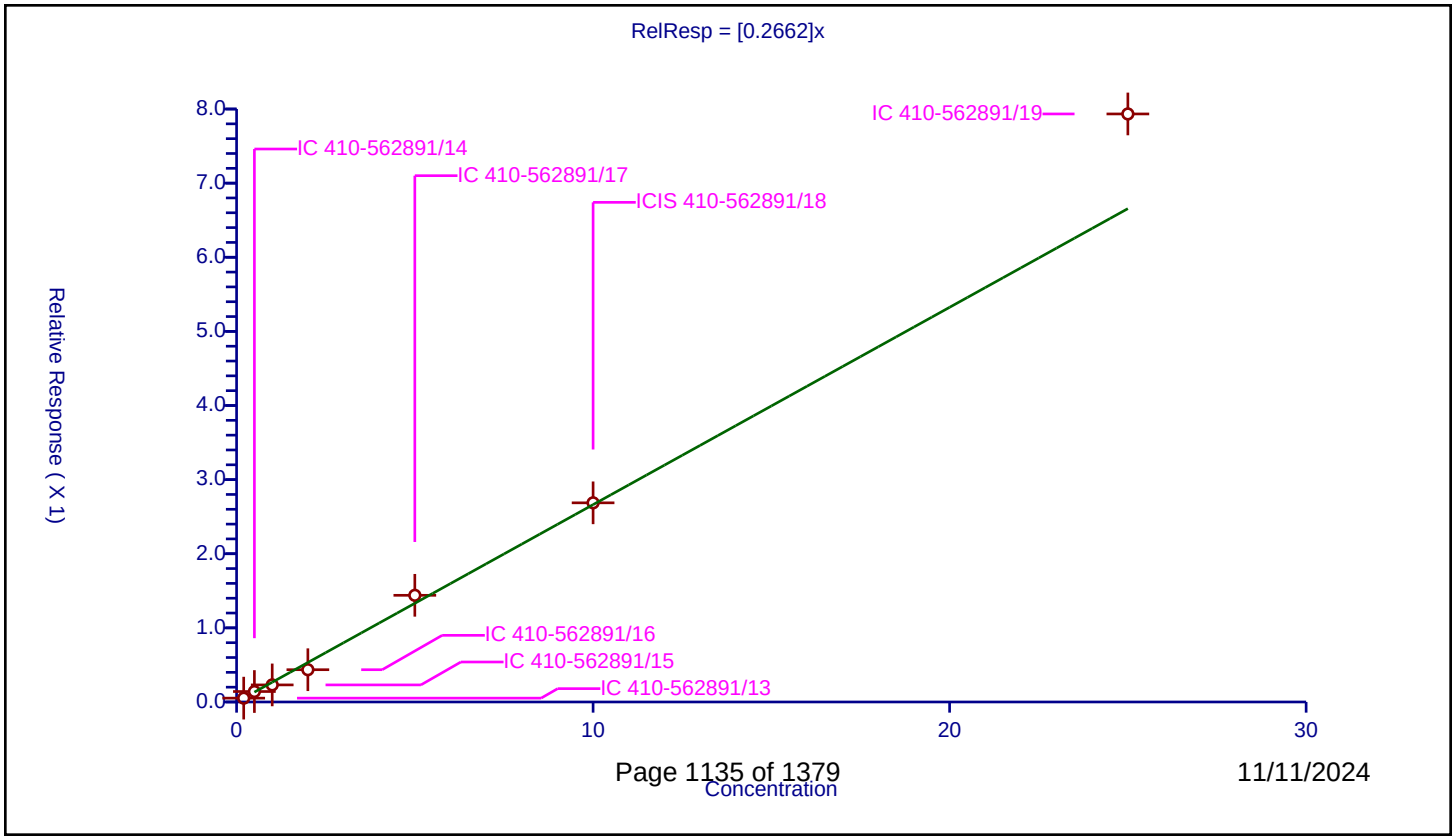
Curve Coefficients

Intercept:	0
Slope:	0.2662

Error Coefficients

Relative Standard Deviation:	12.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.051874	10.0	2082750.0	0.259369	Y
2	IC 410-562891/14	0.5	0.141136	10.0	2073531.0	0.282272	Y
3	IC 410-562891/15	1.0	0.230389	10.0	2064073.0	0.230389	Y
4	IC 410-562891/16	2.0	0.435416	10.0	2072912.0	0.217708	Y
5	IC 410-562891/17	5.0	1.439113	10.0	2077057.0	0.287823	Y
6	ICIS 410-562891/18	10.0	2.687081	10.0	2106583.0	0.268708	Y
7	IC 410-562891/19	25.0	7.933493	10.0	2152918.0	0.31734	Y



Calibration / Isobutyl alcohol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

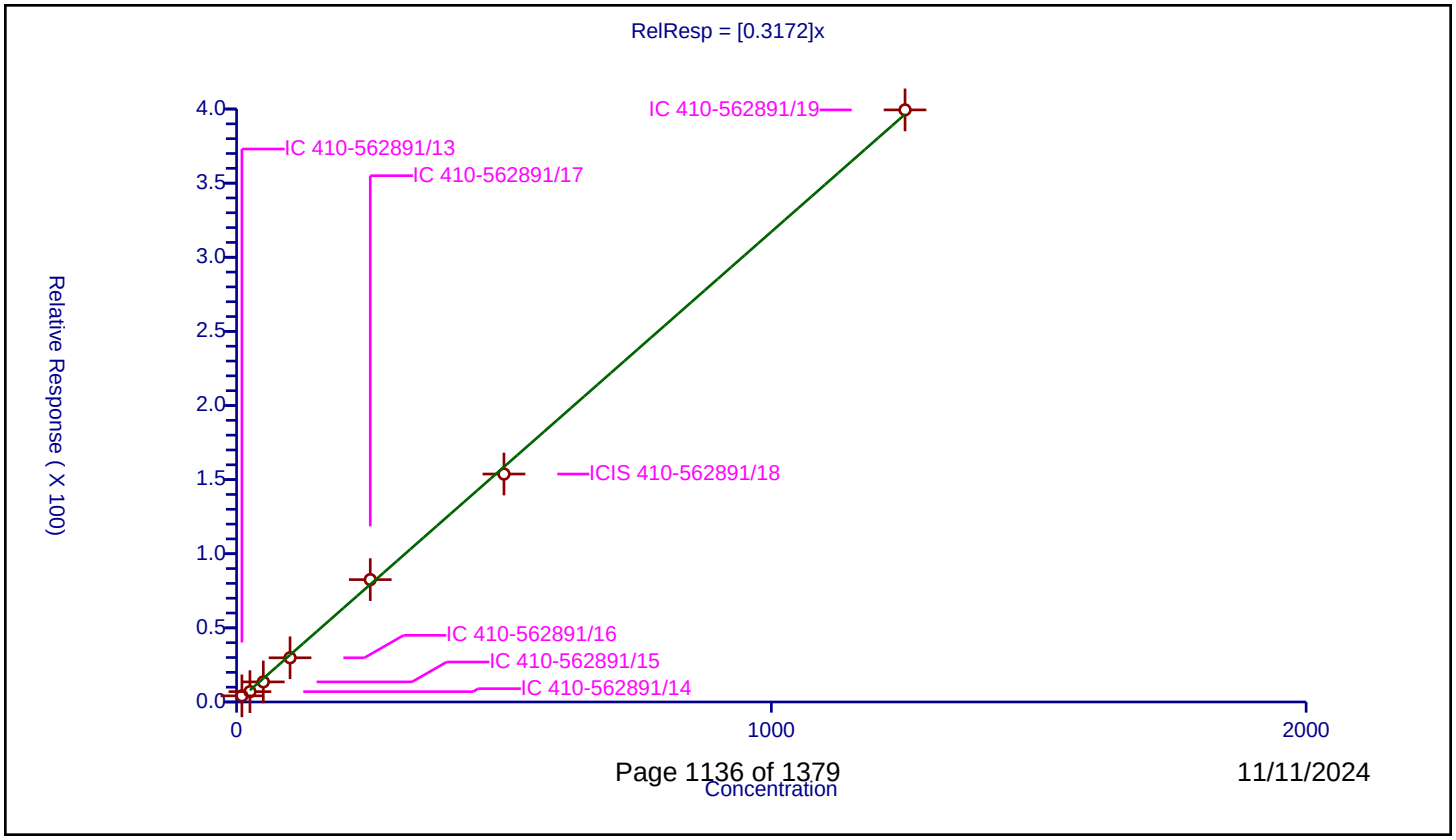
Curve Coefficients

Intercept:	0
Slope:	0.3172

Error Coefficients

Relative Standard Deviation:	15.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	10.0	4.149761	50.0	89716.0	0.414976	Y
2	IC 410-562891/14	25.0	6.969882	50.0	93201.0	0.278795	Y
3	IC 410-562891/15	50.0	13.560793	50.0	100267.0	0.271216	Y
4	IC 410-562891/16	100.0	29.808395	50.0	93056.0	0.298084	Y
5	IC 410-562891/17	250.0	82.531131	50.0	95404.0	0.330125	Y
6	ICIS 410-562891/18	500.0	153.773602	50.0	108835.0	0.307547	Y
7	IC 410-562891/19	1250.0	399.404252	50.0	94503.0	0.319523	Y



Calibration / 1,2-Dichloroethane-d4 (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

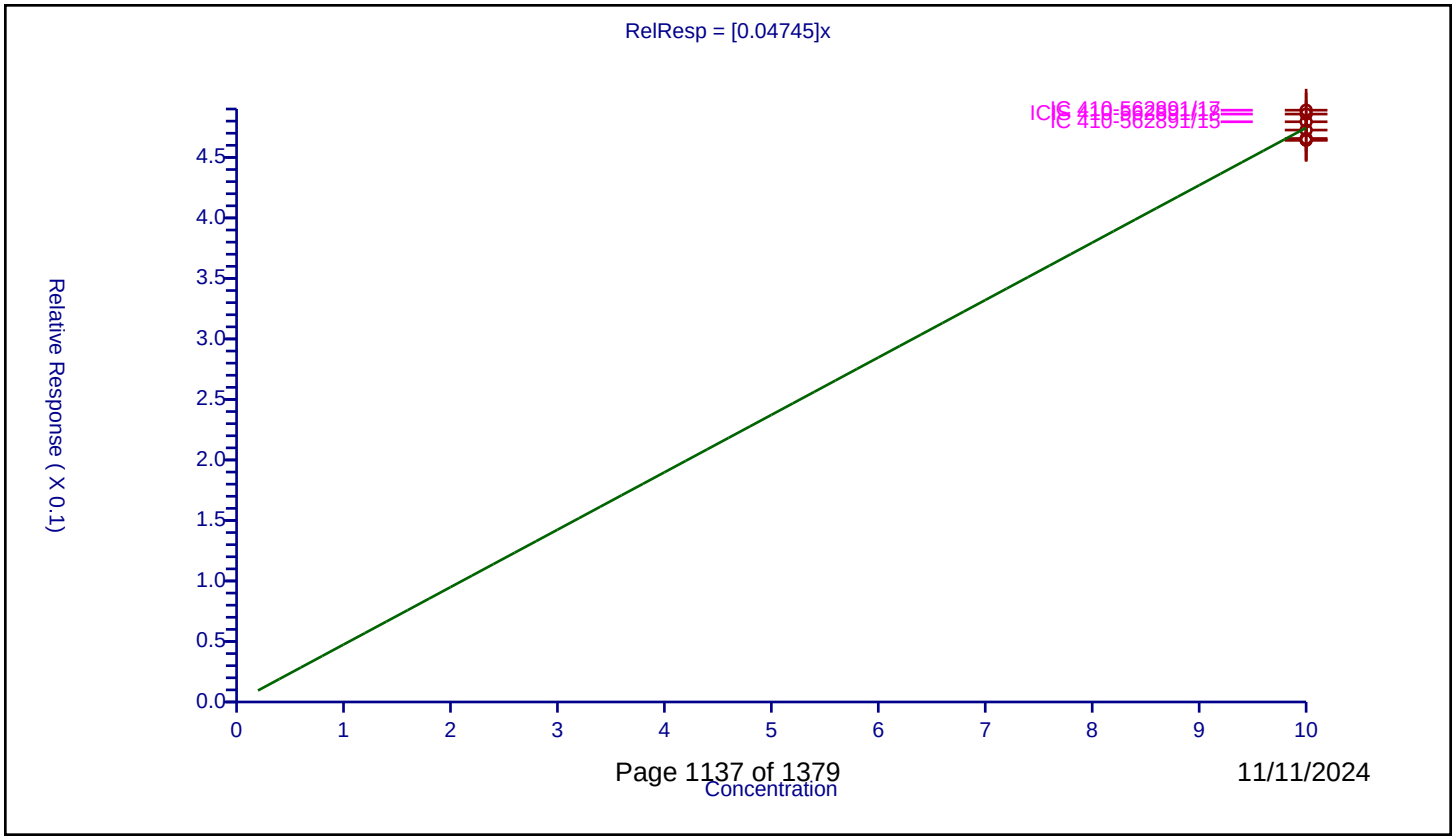
Curve Coefficients

Intercept:	0
Slope:	0.04745

Error Coefficients

Relative Standard Deviation:	2.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	10.0	0.465644	10.0	2082750.0	0.046564	Y
2	IC 410-562891/14	10.0	0.464179	10.0	2073531.0	0.046418	Y
3	IC 410-562891/15	10.0	0.479474	10.0	2064073.0	0.047947	Y
4	IC 410-562891/16	10.0	0.472611	10.0	2072912.0	0.047261	Y
5	IC 410-562891/17	10.0	0.489028	10.0	2077057.0	0.048903	Y
6	ICIS 410-562891/18	10.0	0.485806	10.0	2106583.0	0.048581	Y
7	IC 410-562891/19	10.0	0.464439	10.0	2152918.0	0.046444	Y



11/11/2024

Calibration / Benzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

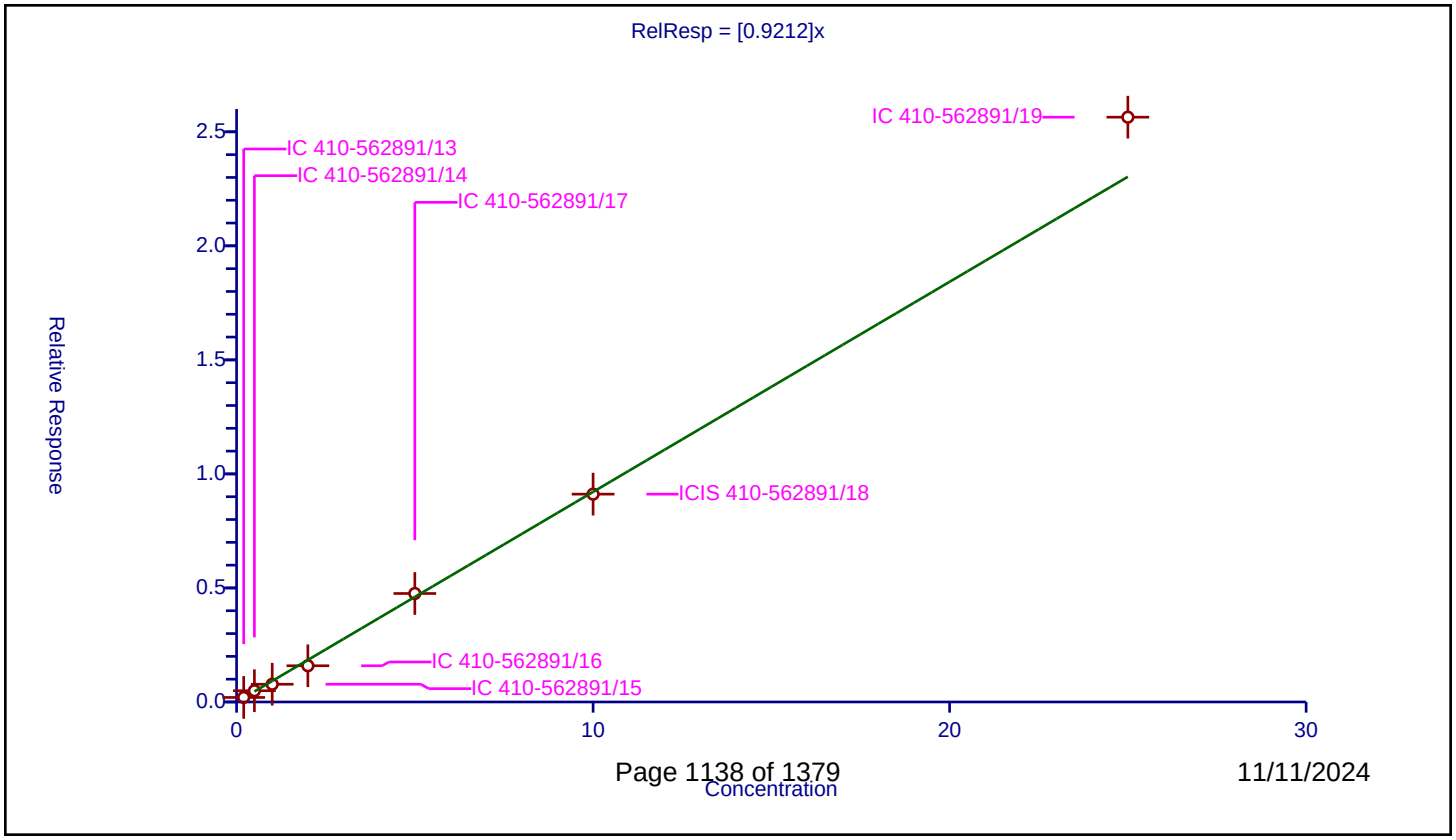
Curve Coefficients

Intercept:	0
Slope:	0.9212

Error Coefficients

Relative Standard Deviation:	10.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.199573	10.0	2082750.0	0.997863	Y
2	IC 410-562891/14	0.5	0.49449	10.0	2073531.0	0.98898	Y
3	IC 410-562891/15	1.0	0.778558	10.0	2064073.0	0.778558	Y
4	IC 410-562891/16	2.0	1.588813	10.0	2072912.0	0.794407	Y
5	IC 410-562891/17	5.0	4.757168	10.0	2077057.0	0.951434	Y
6	ICIS 410-562891/18	10.0	9.113118	10.0	2106583.0	0.911312	Y
7	IC 410-562891/19	25.0	25.641836	10.0	2152918.0	1.025673	Y



Calibration / 1,2-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

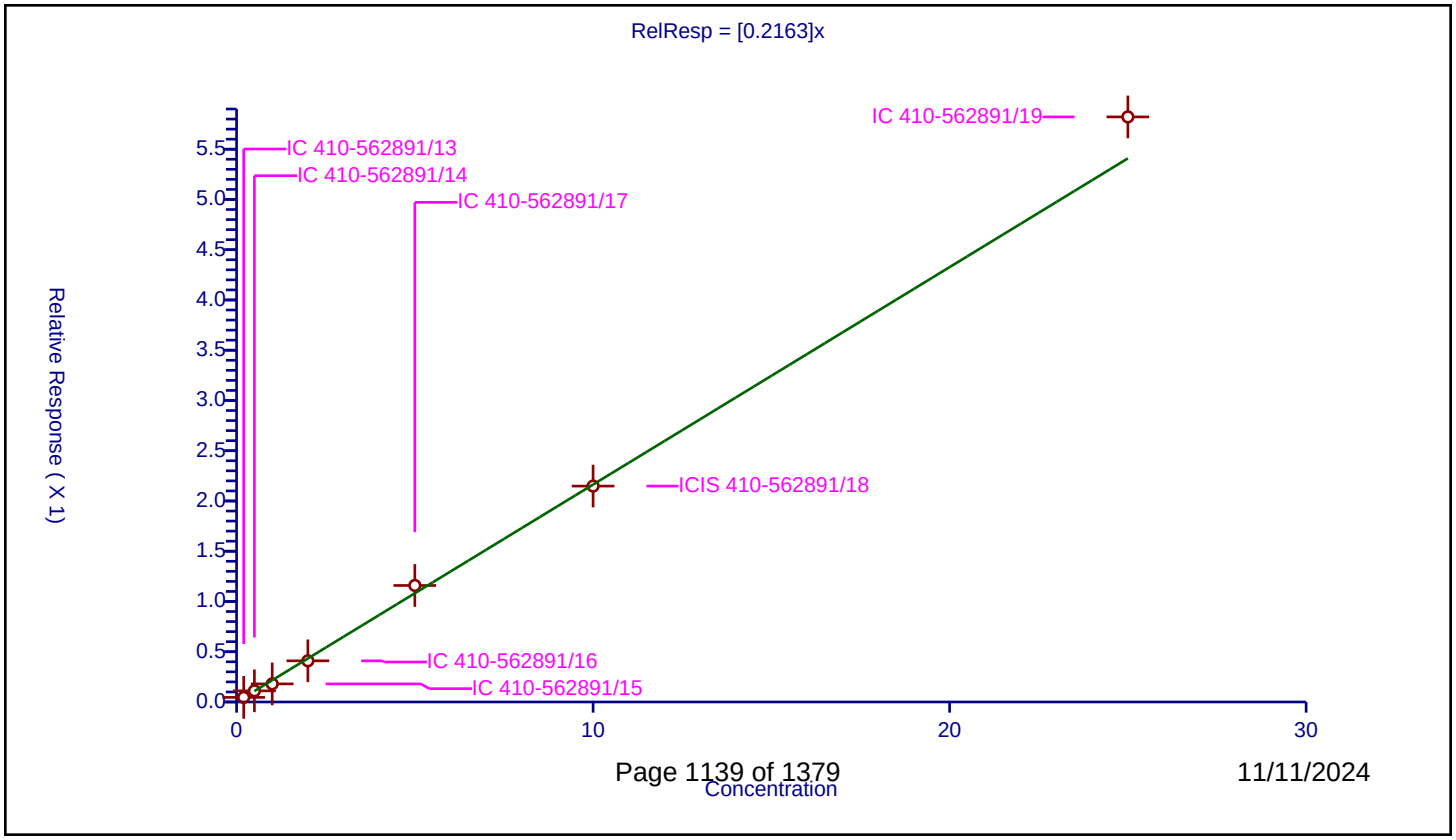
Curve Coefficients

Intercept:	0
Slope:	0.2163

Error Coefficients

Relative Standard Deviation:	8.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.045642	10.0	2082750.0	0.228208	Y
2	IC 410-562891/14	0.5	0.110936	10.0	2073531.0	0.221873	Y
3	IC 410-562891/15	1.0	0.179911	10.0	2064073.0	0.179911	Y
4	IC 410-562891/16	2.0	0.409665	10.0	2072912.0	0.204833	Y
5	IC 410-562891/17	5.0	1.159309	10.0	2077057.0	0.231862	Y
6	ICIS 410-562891/18	10.0	2.148318	10.0	2106583.0	0.214832	Y
7	IC 410-562891/19	25.0	5.821471	10.0	2152918.0	0.232859	Y



Calibration / Tert-amyl methyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

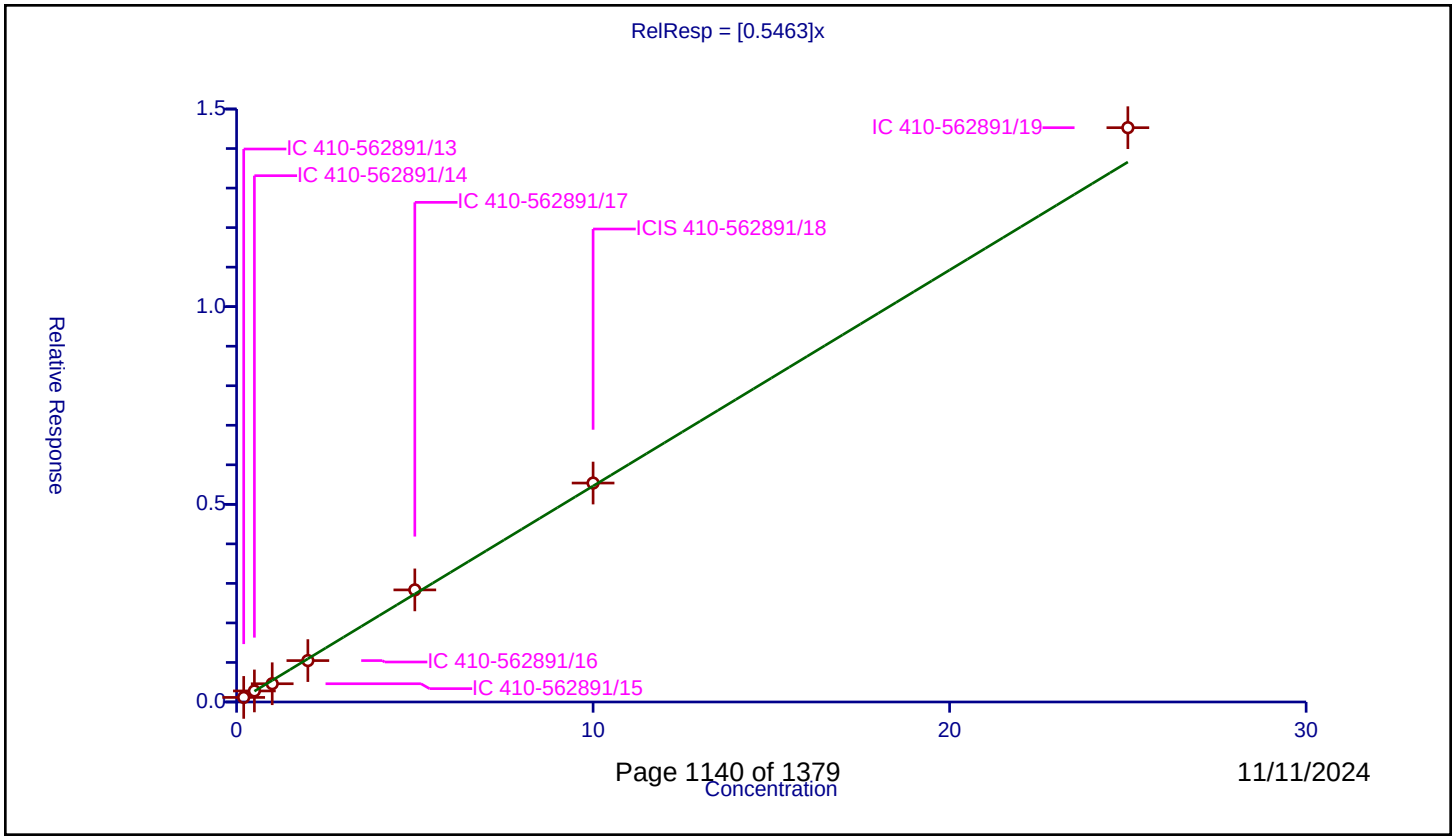
Curve Coefficients

Intercept:	0
Slope:	0.5463

Error Coefficients

Relative Standard Deviation:	7.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.115592	10.0	2082750.0	0.577962	Y
2	IC 410-562891/14	0.5	0.279552	10.0	2073531.0	0.559104	Y
3	IC 410-562891/15	1.0	0.461844	10.0	2064073.0	0.461844	Y
4	IC 410-562891/16	2.0	1.046967	10.0	2072912.0	0.523483	Y
5	IC 410-562891/17	5.0	2.835392	10.0	2077057.0	0.567078	Y
6	ICIS 410-562891/18	10.0	5.538529	10.0	2106583.0	0.553853	Y
7	IC 410-562891/19	25.0	14.527678	10.0	2152918.0	0.581107	Y



Calibration / n-Heptane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

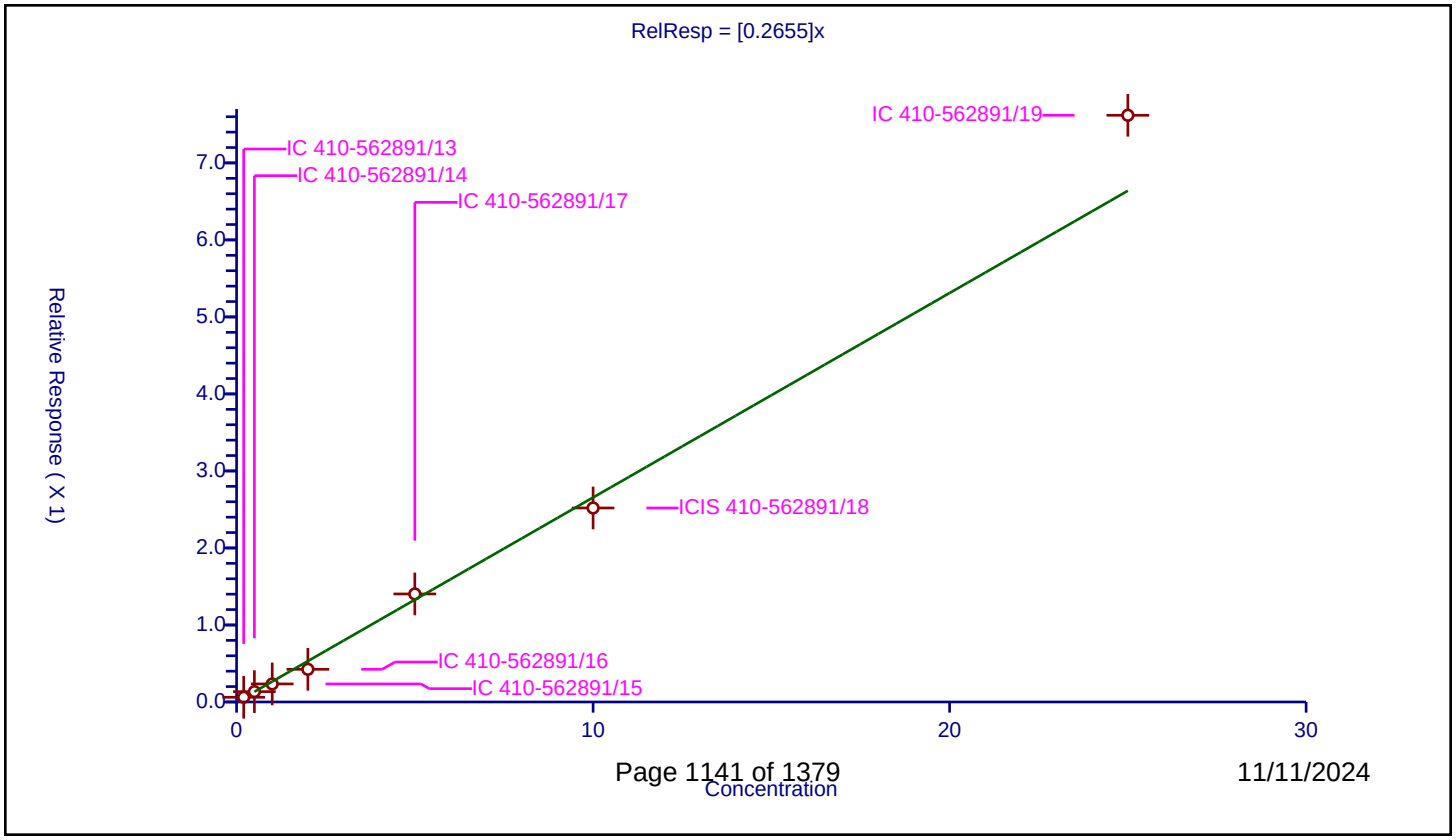
Curve Coefficients

Intercept:	0
Slope:	0.2655

Error Coefficients

Relative Standard Deviation:	13.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.061102	10.0	2082750.0	0.30551	Y
2	IC 410-562891/14	0.5	0.134616	10.0	2073531.0	0.269232	Y
3	IC 410-562891/15	1.0	0.23457	10.0	2064073.0	0.23457	Y
4	IC 410-562891/16	2.0	0.42422	10.0	2072912.0	0.21211	Y
5	IC 410-562891/17	5.0	1.402874	10.0	2077057.0	0.280575	Y
6	ICIS 410-562891/18	10.0	2.519473	10.0	2106583.0	0.251947	Y
7	IC 410-562891/19	25.0	7.618734	10.0	2152918.0	0.304749	Y



Calibration / n-Butanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

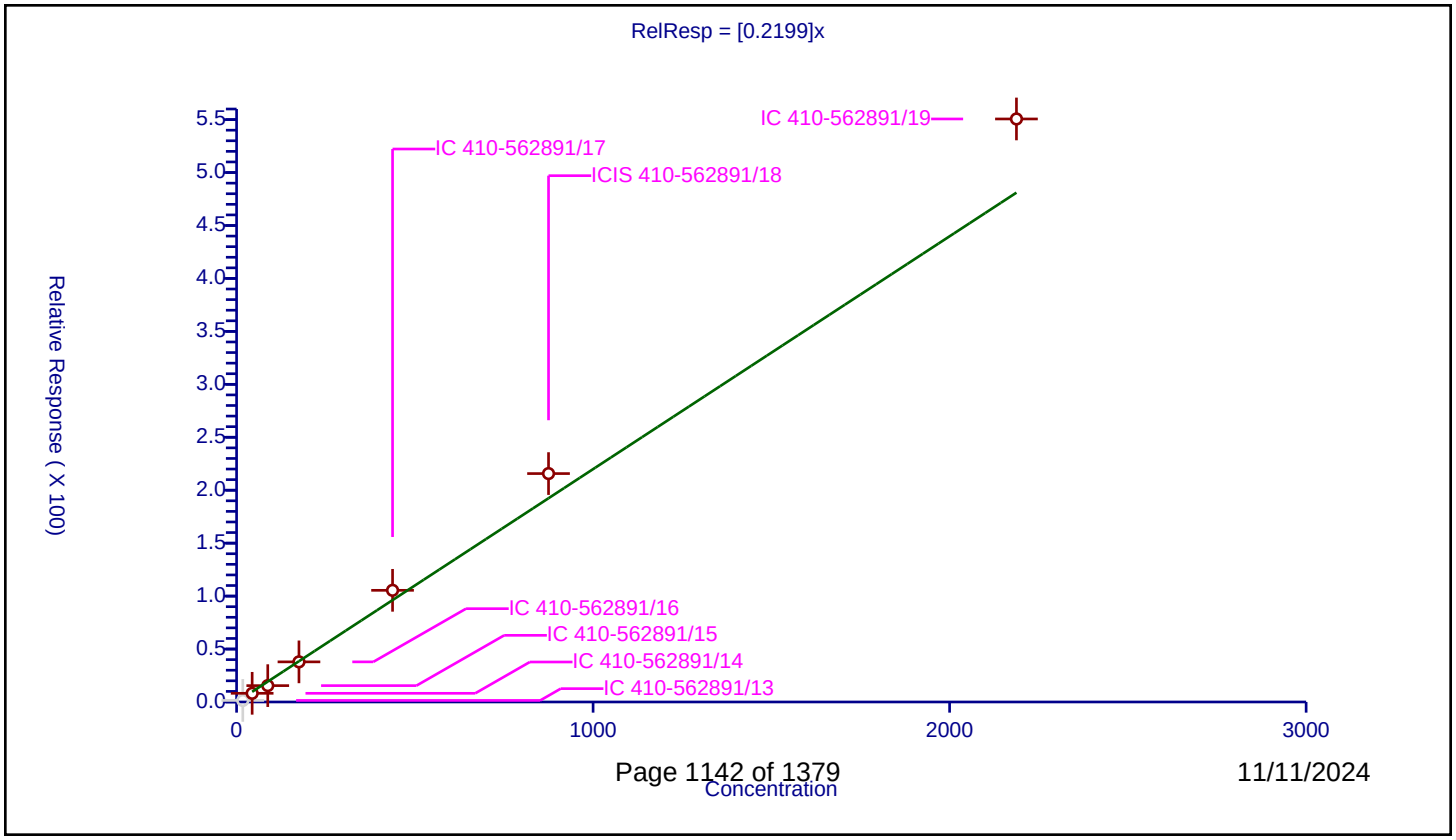
Curve Coefficients

Intercept:	0
Slope:	0.2199

Error Coefficients

Relative Standard Deviation:	14.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	17.5	1.481341	50.0	89716.0	0.084648	N
2	IC 410-562891/14	43.75	8.185534	50.0	93201.0	0.187098	Y
3	IC 410-562891/15	87.5	15.438778	50.0	100267.0	0.176443	Y
4	IC 410-562891/16	175.0	37.892774	50.0	93056.0	0.21653	Y
5	IC 410-562891/17	437.5	105.463083	50.0	95404.0	0.241058	Y
6	ICIS 410-562891/18	875.0	215.721046	50.0	108835.0	0.246538	Y
7	IC 410-562891/19	2187.5	550.605272	50.0	94503.0	0.251705	Y



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Calibration / Trichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

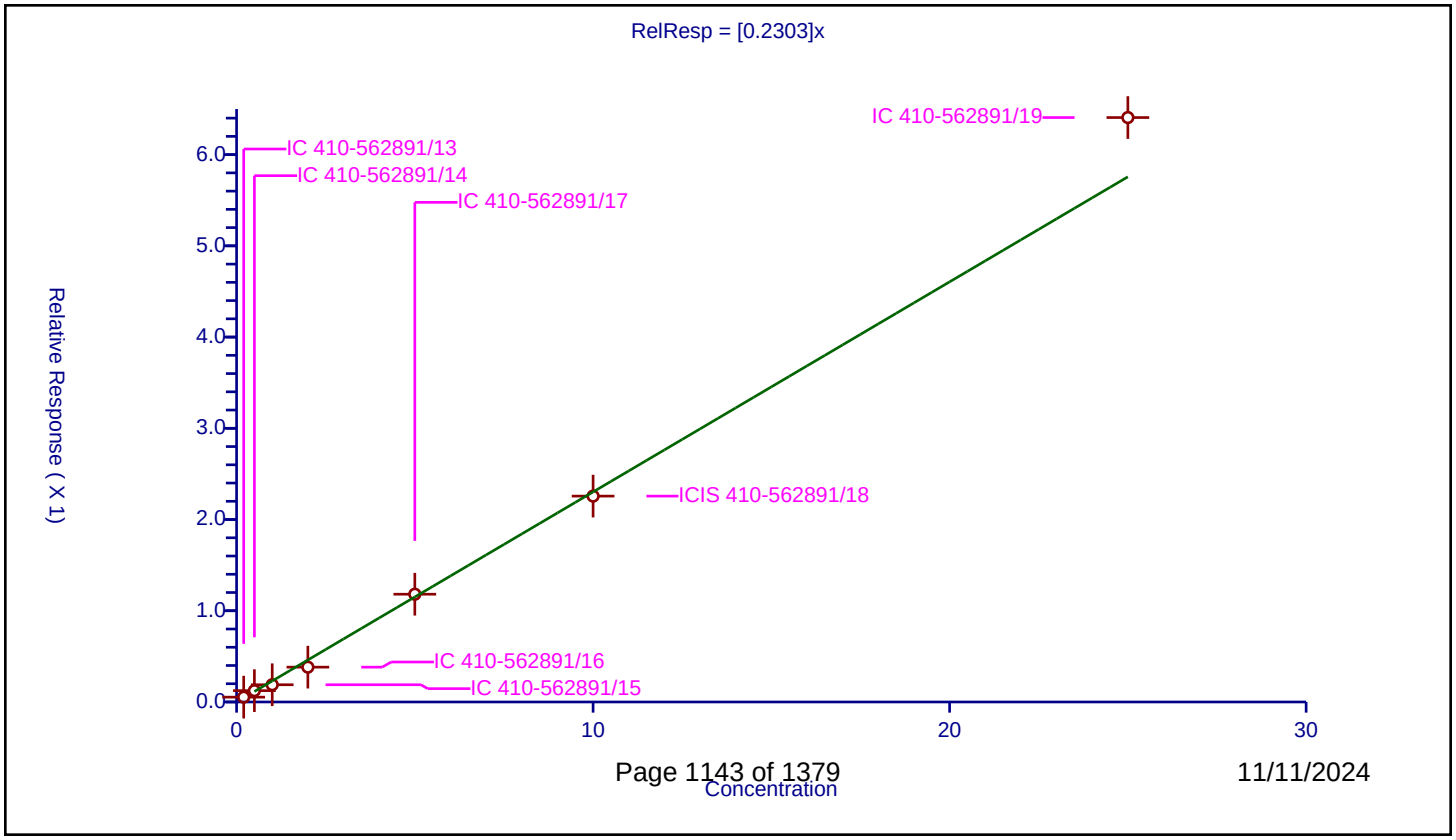
Curve Coefficients

Intercept:	0
Slope:	0.2303

Error Coefficients

Relative Standard Deviation:	13.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.053016	10.0	2082750.0	0.265082	Y
2	IC 410-562891/14	0.5	0.124271	10.0	2073531.0	0.248542	Y
3	IC 410-562891/15	1.0	0.189053	10.0	2064073.0	0.189053	Y
4	IC 410-562891/16	2.0	0.38196	10.0	2072912.0	0.19098	Y
5	IC 410-562891/17	5.0	1.181475	10.0	2077057.0	0.236295	Y
6	ICIS 410-562891/18	10.0	2.256773	10.0	2106583.0	0.225677	Y
7	IC 410-562891/19	25.0	6.406528	10.0	2152918.0	0.256261	Y



Calibration / Methylcyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

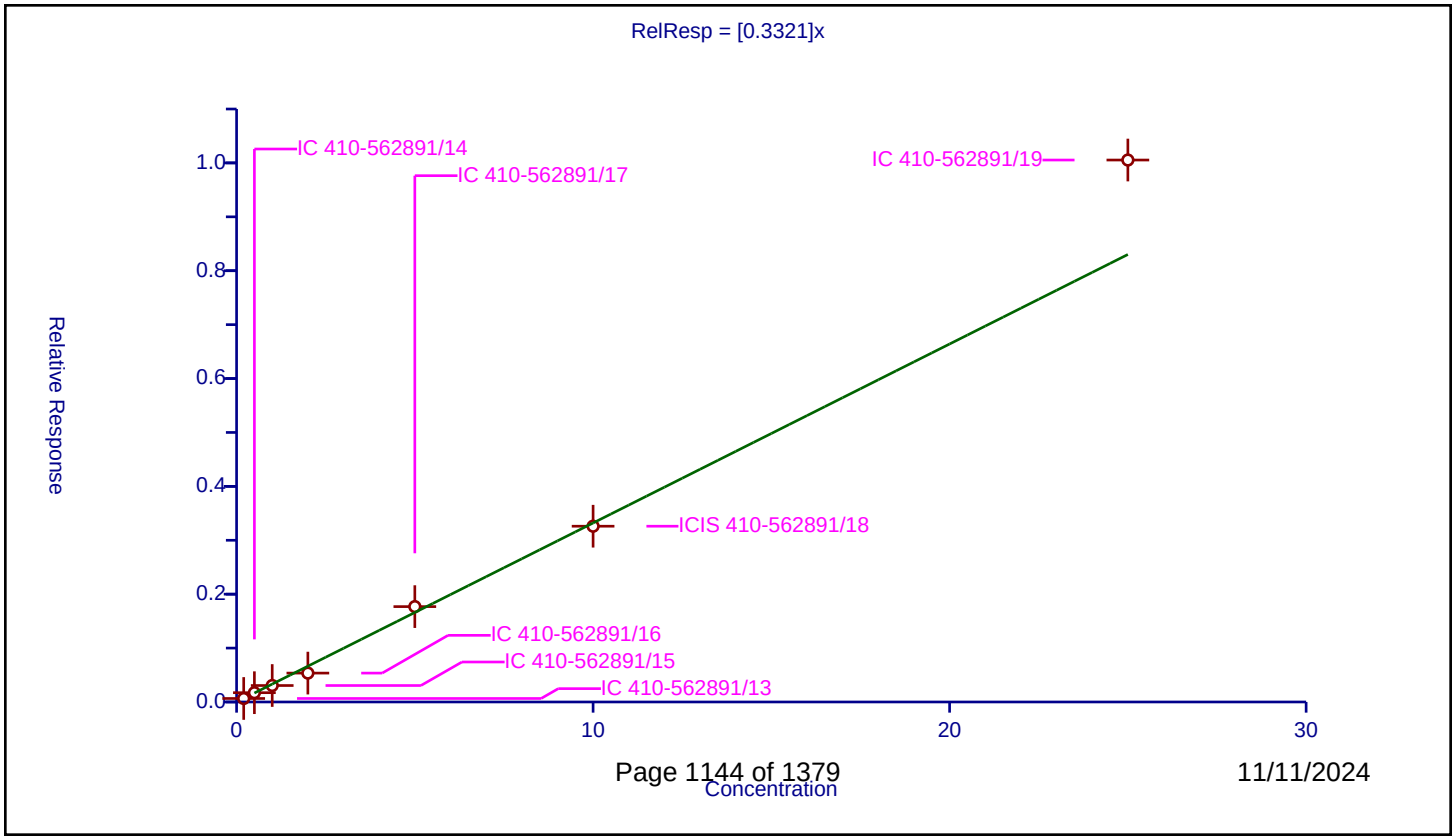
Curve Coefficients

Intercept:	0
Slope:	0.3321

Error Coefficients

Relative Standard Deviation:	12.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.064876	10.0	2082750.0	0.324379	Y
2	IC 410-562891/14	0.5	0.172247	10.0	2073531.0	0.344494	Y
3	IC 410-562891/15	1.0	0.305493	10.0	2064073.0	0.305493	Y
4	IC 410-562891/16	2.0	0.535971	10.0	2072912.0	0.267985	Y
5	IC 410-562891/17	5.0	1.769027	10.0	2077057.0	0.353805	Y
6	ICIS 410-562891/18	10.0	3.260797	10.0	2106583.0	0.32608	Y
7	IC 410-562891/19	25.0	10.053681	10.0	2152918.0	0.402147	Y



Calibration / 1,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

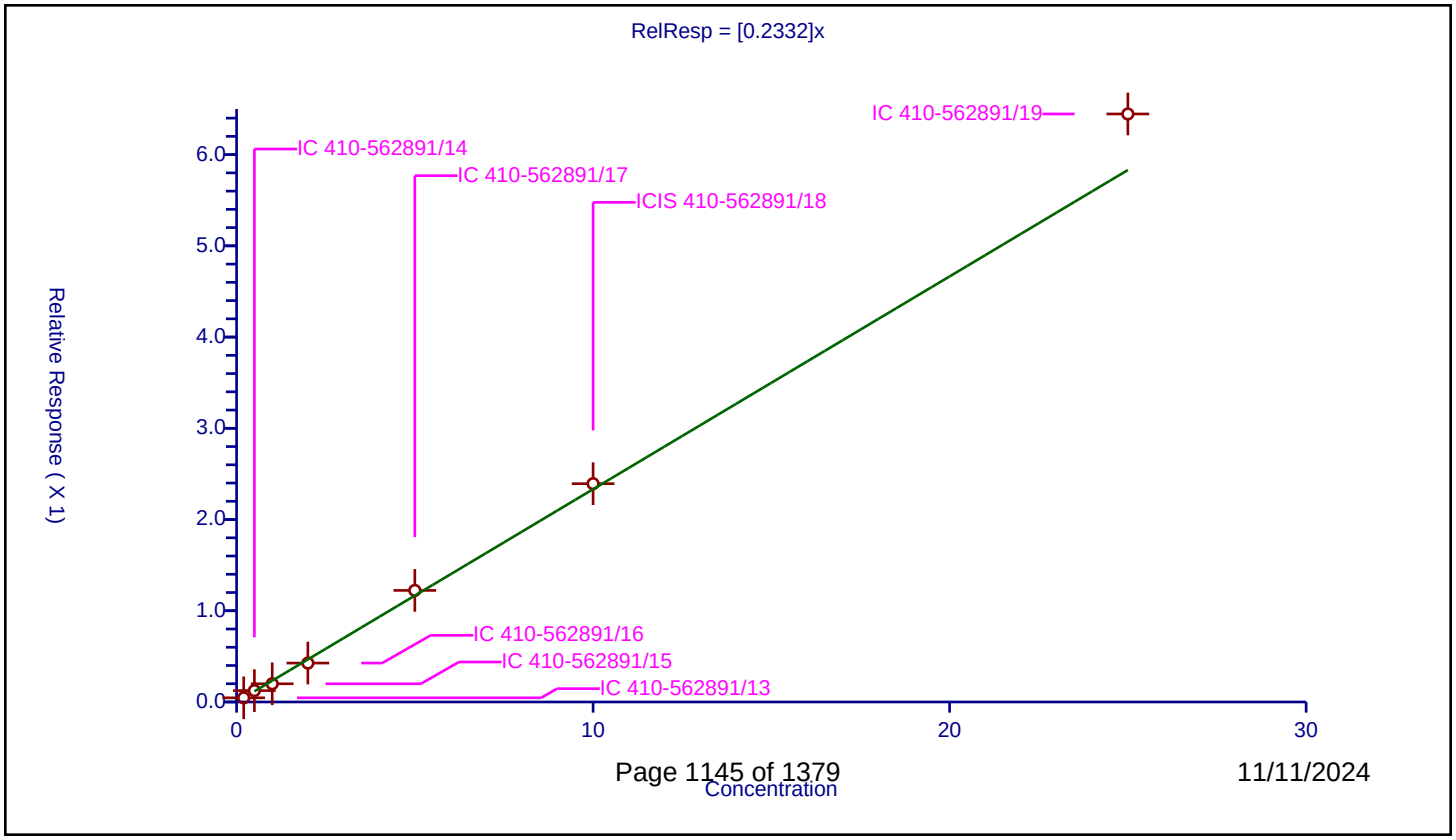
Curve Coefficients

Intercept:	0
Slope:	0.2332

Error Coefficients

Relative Standard Deviation:	8.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.045776	10.0	2082750.0	0.22888	Y
2	IC 410-562891/14	0.5	0.124691	10.0	2073531.0	0.249381	Y
3	IC 410-562891/15	1.0	0.199489	10.0	2064073.0	0.199489	Y
4	IC 410-562891/16	2.0	0.426487	10.0	2072912.0	0.213243	Y
5	IC 410-562891/17	5.0	1.223154	10.0	2077057.0	0.244631	Y
6	ICIS 410-562891/18	10.0	2.392975	10.0	2106583.0	0.239297	Y
7	IC 410-562891/19	25.0	6.445633	10.0	2152918.0	0.257825	Y



Calibration / 1,4-Dioxane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

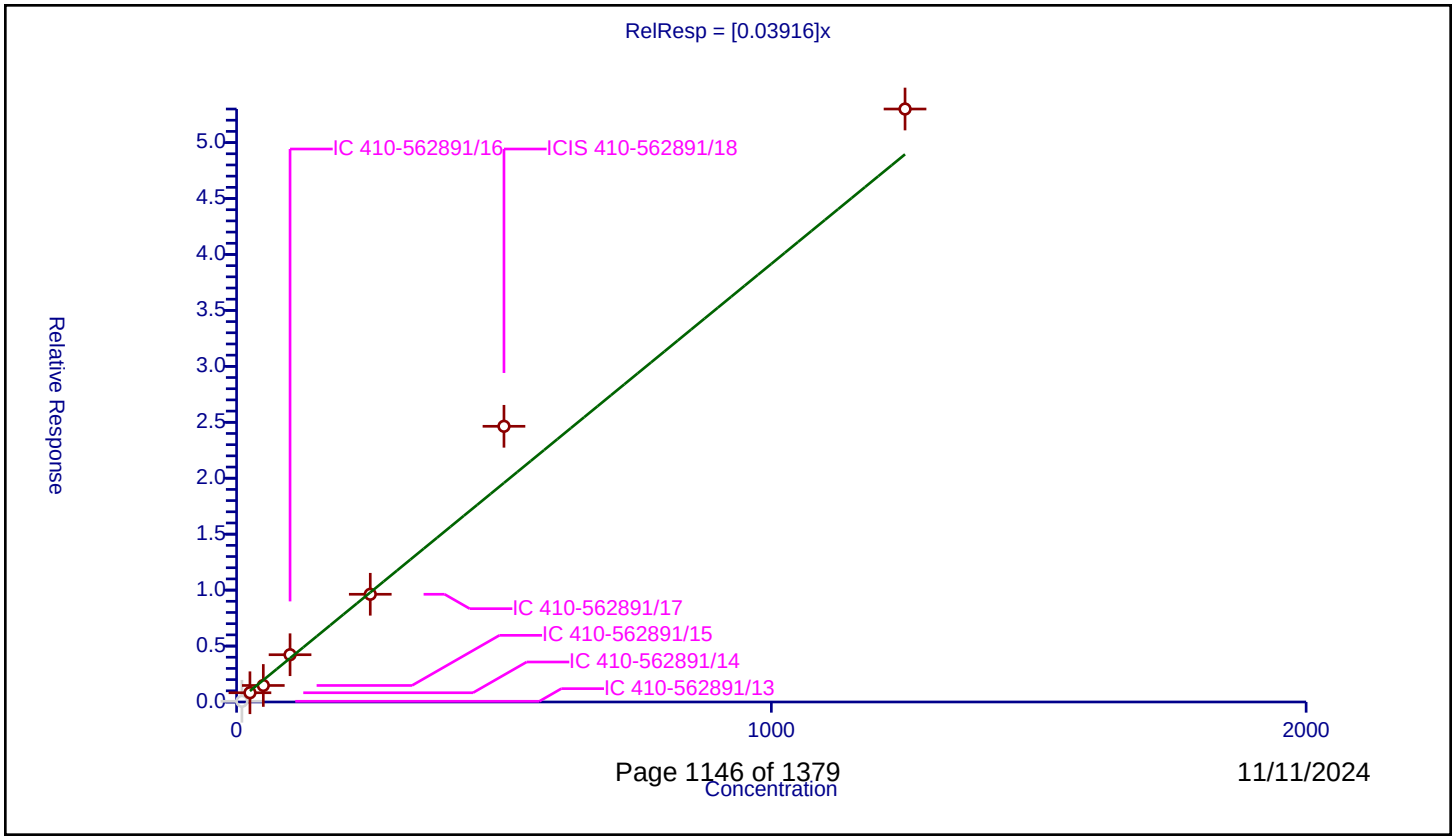
Curve Coefficients

Intercept:	0
Slope:	0.03916

Error Coefficients

Relative Standard Deviation:	18.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	10.0	0.064091	50.0	89716.0	0.006409	N
2	IC 410-562891/14	25.0	0.825098	50.0	93201.0	0.033004	Y
3	IC 410-562891/15	50.0	1.476558	50.0	100267.0	0.029531	Y
4	IC 410-562891/16	100.0	4.224875	50.0	93056.0	0.042249	Y
5	IC 410-562891/17	250.0	9.626955	50.0	95404.0	0.038508	Y
6	ICIS 410-562891/18	500.0	24.641889	50.0	108835.0	0.049284	Y
7	IC 410-562891/19	1250.0	52.998847	50.0	94503.0	0.042399	Y



Calibration / Methyl methacrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

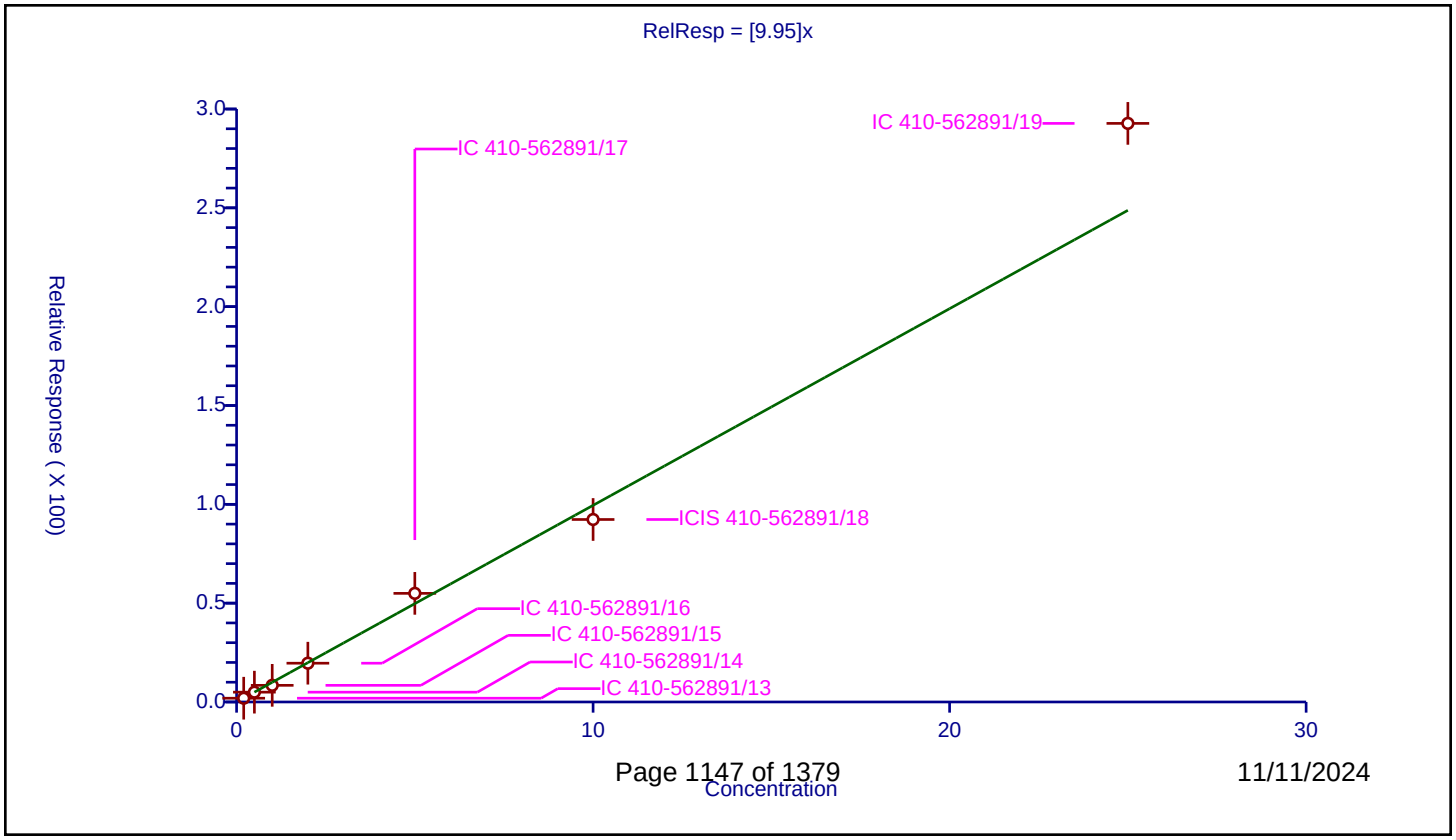
Curve Coefficients

Intercept:	0
Slope:	9.95

Error Coefficients

Relative Standard Deviation:	11.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	1.906572	50.0	89716.0	9.532859	Y
2	IC 410-562891/14	0.5	4.97044	50.0	93201.0	9.94088	Y
3	IC 410-562891/15	1.0	8.426501	50.0	100267.0	8.426501	Y
4	IC 410-562891/16	2.0	19.629041	50.0	93056.0	9.81452	Y
5	IC 410-562891/17	5.0	54.956291	50.0	95404.0	10.991258	Y
6	ICIS 410-562891/18	10.0	92.321863	50.0	108835.0	9.232186	Y
7	IC 410-562891/19	25.0	292.731977	50.0	94503.0	11.709279	Y



Calibration / Dibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

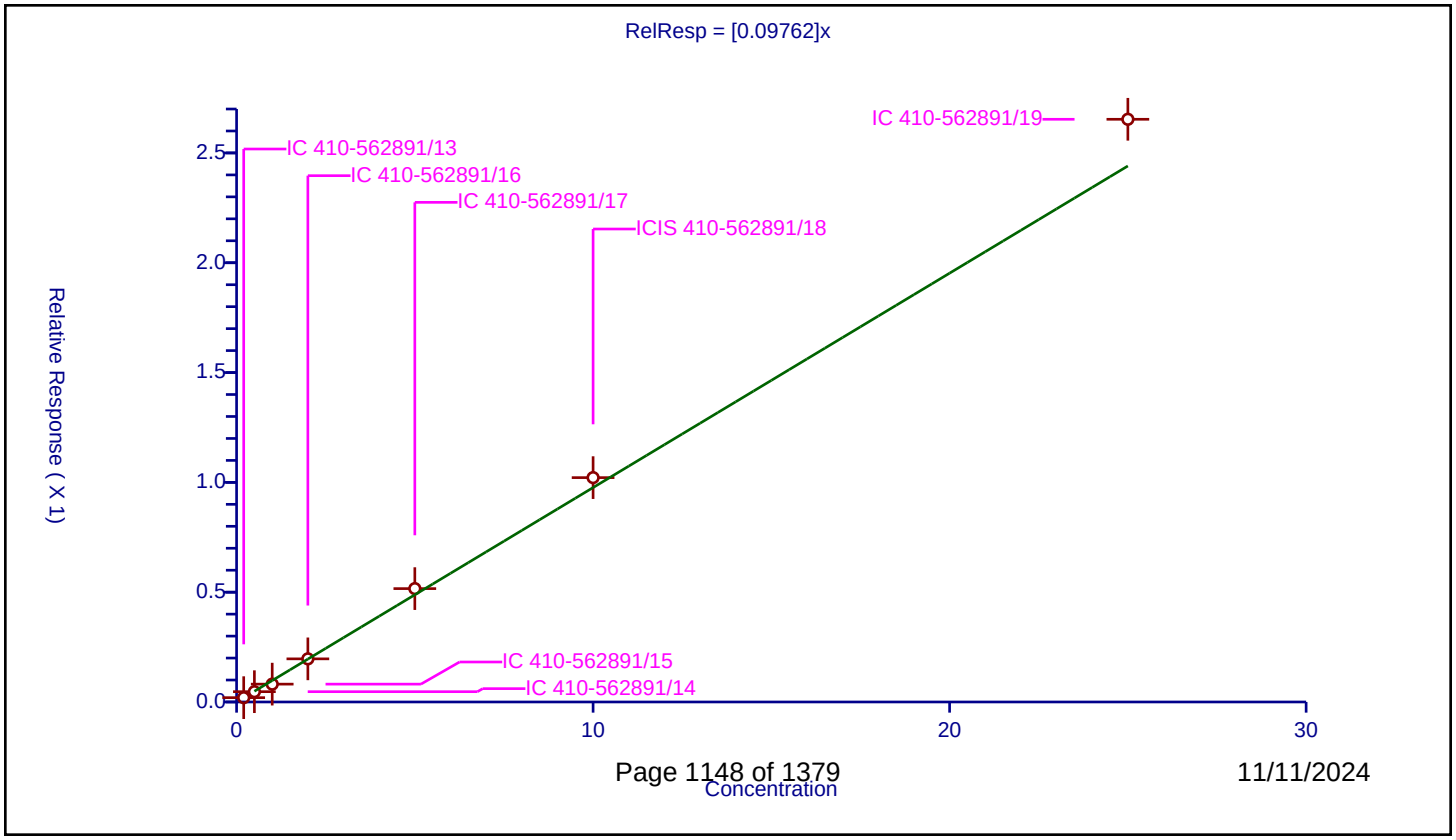
Curve Coefficients

Intercept:	0
Slope:	0.09762

Error Coefficients

Relative Standard Deviation:	8.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.019695	10.0	2082750.0	0.098476	Y
2	IC 410-562891/14	0.5	0.046963	10.0	2073531.0	0.093927	Y
3	IC 410-562891/15	1.0	0.081262	10.0	2064073.0	0.081262	Y
4	IC 410-562891/16	2.0	0.196357	10.0	2072912.0	0.098178	Y
5	IC 410-562891/17	5.0	0.516221	10.0	2077057.0	0.103244	Y
6	ICIS 410-562891/18	10.0	1.021588	10.0	2106583.0	0.102159	Y
7	IC 410-562891/19	25.0	2.653204	10.0	2152918.0	0.106128	Y



Calibration / Dichlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

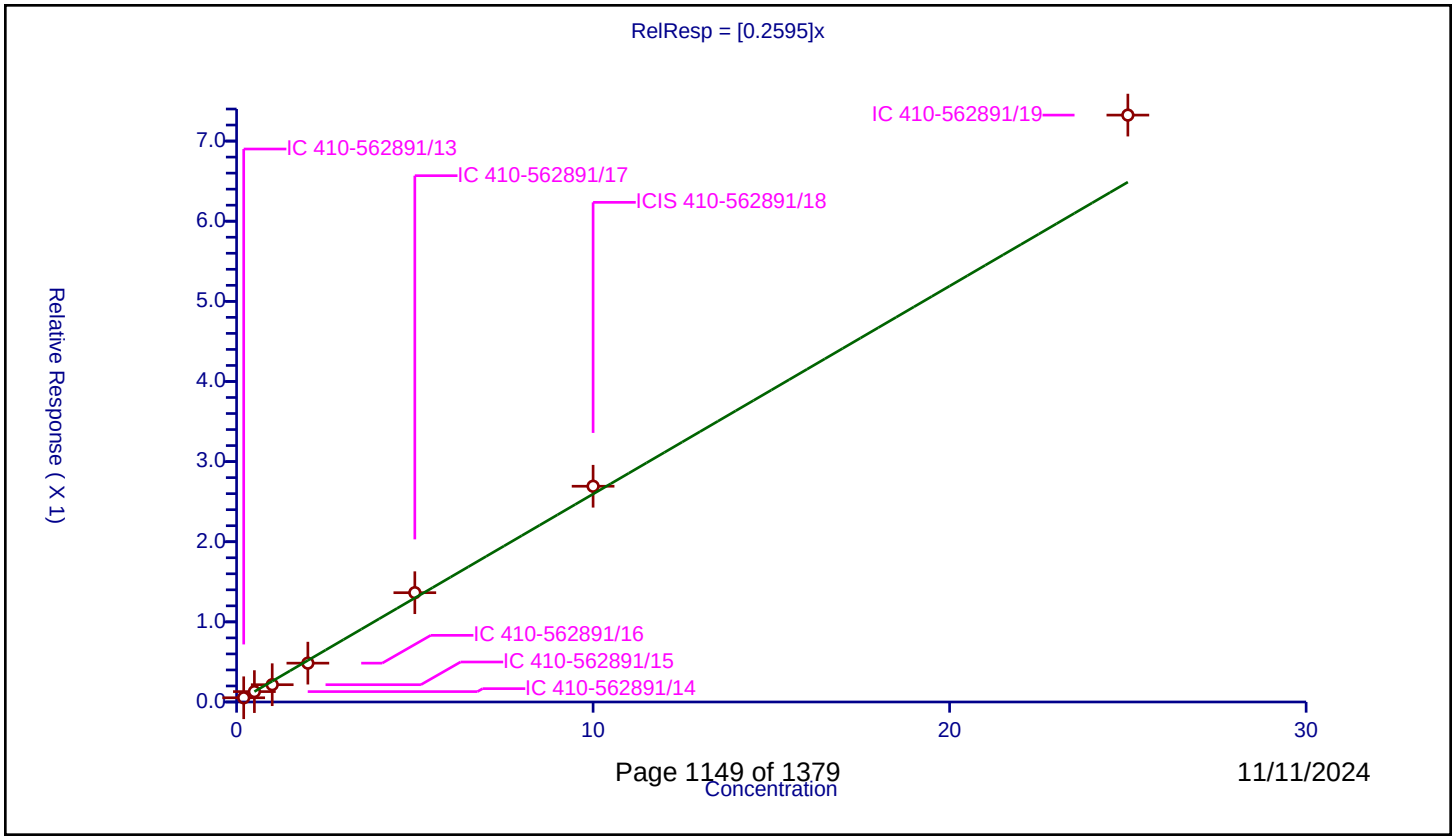
Curve Coefficients

Intercept:	0
Slope:	0.2595

Error Coefficients

Relative Standard Deviation:	9.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.052882	10.0	2082750.0	0.26441	Y
2	IC 410-562891/14	0.5	0.129586	10.0	2073531.0	0.259171	Y
3	IC 410-562891/15	1.0	0.215748	10.0	2064073.0	0.215748	Y
4	IC 410-562891/16	2.0	0.484656	10.0	2072912.0	0.242328	Y
5	IC 410-562891/17	5.0	1.364026	10.0	2077057.0	0.272805	Y
6	ICIS 410-562891/18	10.0	2.692545	10.0	2106583.0	0.269255	Y
7	IC 410-562891/19	25.0	7.32425	10.0	2152918.0	0.29297	Y



Calibration / 2-Nitropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

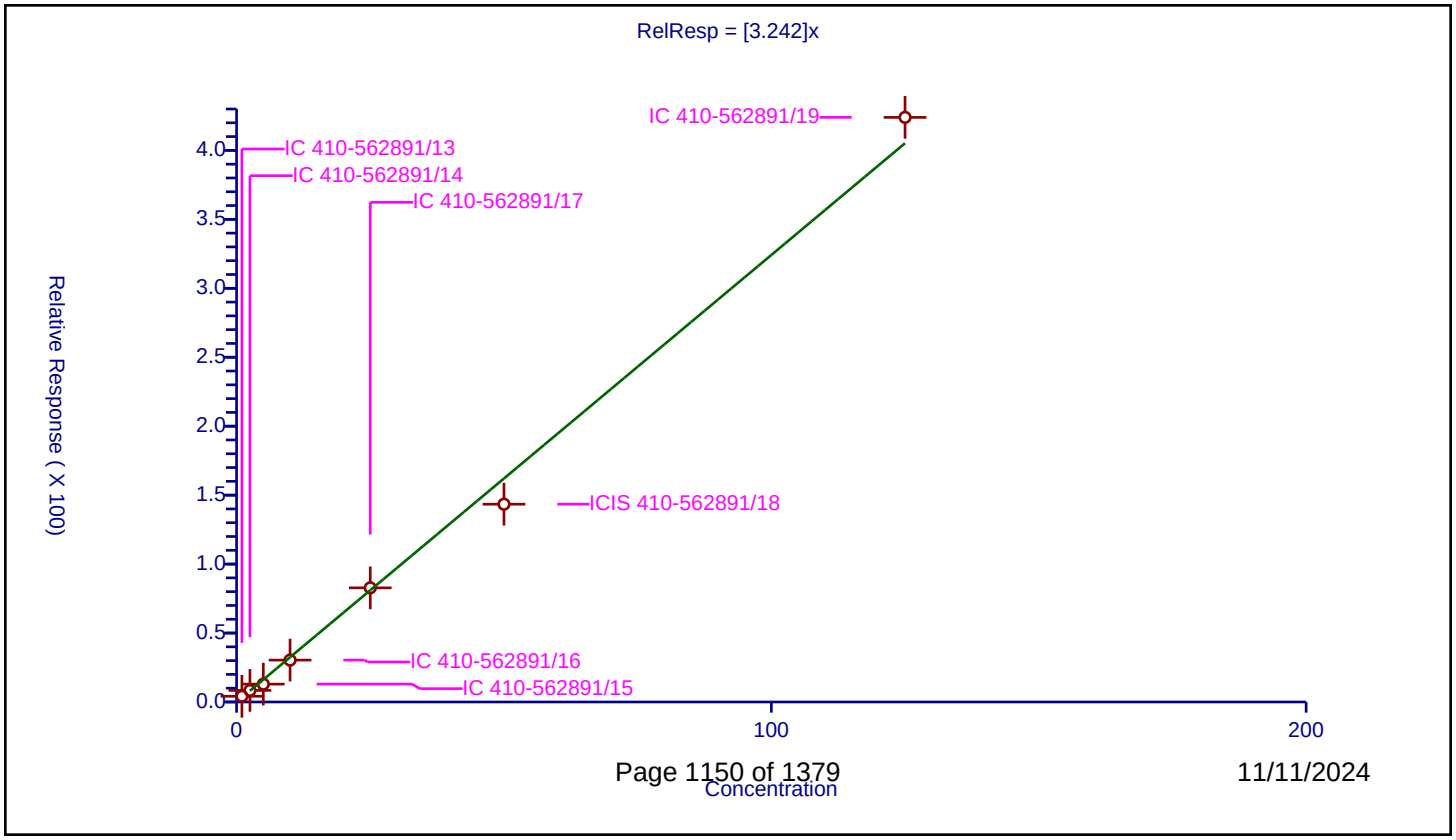
Curve Coefficients

Intercept:	0
Slope:	3.242

Error Coefficients

Relative Standard Deviation:	15.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	1.0	4.145303	50.0	89716.0	4.145303	Y
2	IC 410-562891/14	2.5	8.377056	50.0	93201.0	3.350822	Y
3	IC 410-562891/15	5.0	12.936958	50.0	100267.0	2.587392	Y
4	IC 410-562891/16	10.0	30.360751	50.0	93056.0	3.036075	Y
5	IC 410-562891/17	25.0	82.783741	50.0	95404.0	3.31135	Y
6	ICIS 410-562891/18	50.0	143.417099	50.0	108835.0	2.868342	Y
7	IC 410-562891/19	125.0	423.924108	50.0	94503.0	3.391393	Y



Calibration / 1-Bromo-2-chloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

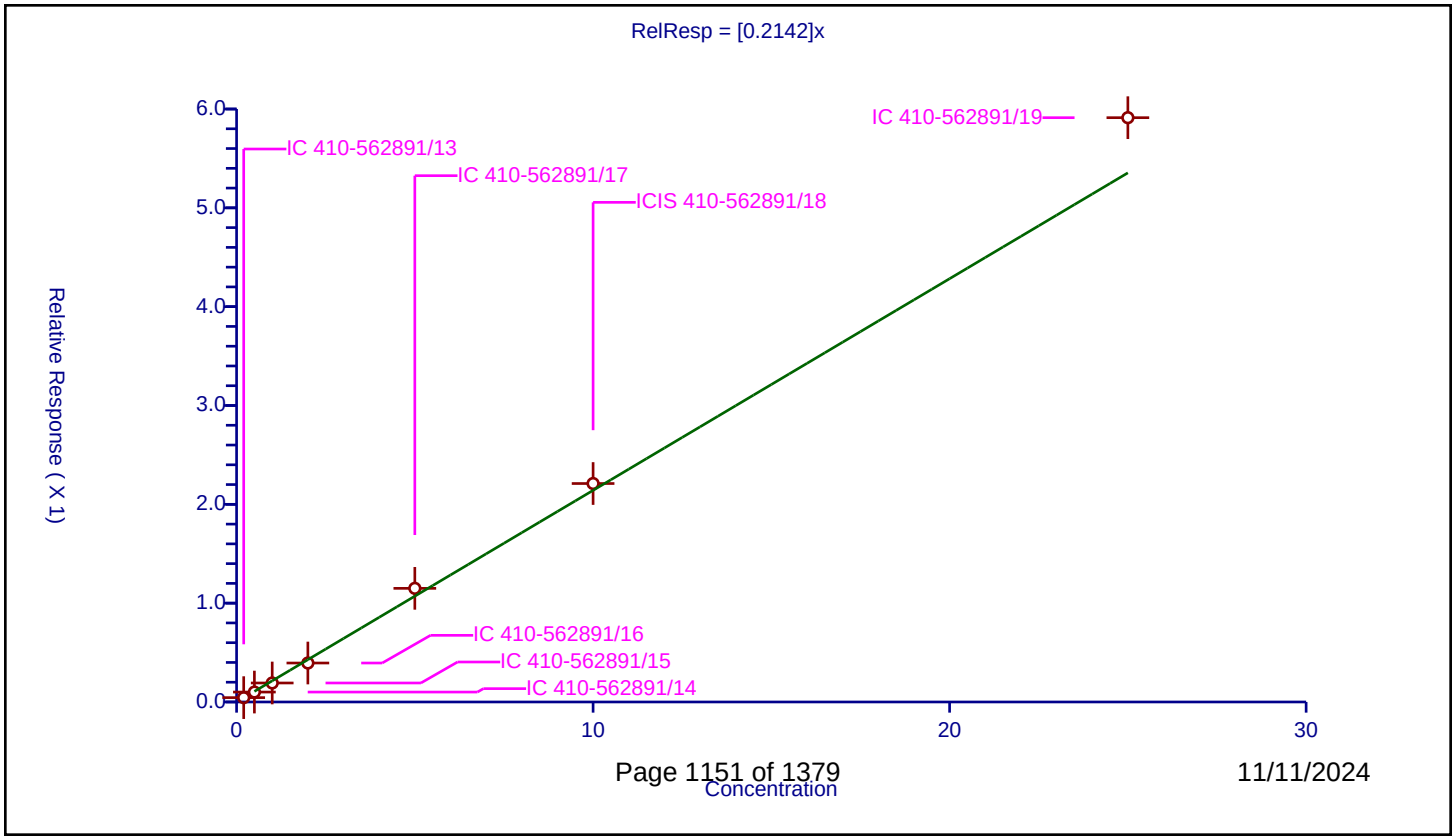
Curve Coefficients

Intercept:	0
Slope:	0.2142

Error Coefficients

Relative Standard Deviation:	8.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.044249	10.0	2082750.0	0.221246	Y
2	IC 410-562891/14	0.5	0.100433	10.0	2073531.0	0.200865	Y
3	IC 410-562891/15	1.0	0.192275	10.0	2064073.0	0.192275	Y
4	IC 410-562891/16	2.0	0.394334	10.0	2072912.0	0.197167	Y
5	IC 410-562891/17	5.0	1.149944	10.0	2077057.0	0.229989	Y
6	ICIS 410-562891/18	10.0	2.210608	10.0	2106583.0	0.221061	Y
7	IC 410-562891/19	25.0	5.912232	10.0	2152918.0	0.236489	Y



Calibration / cis-1,3-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

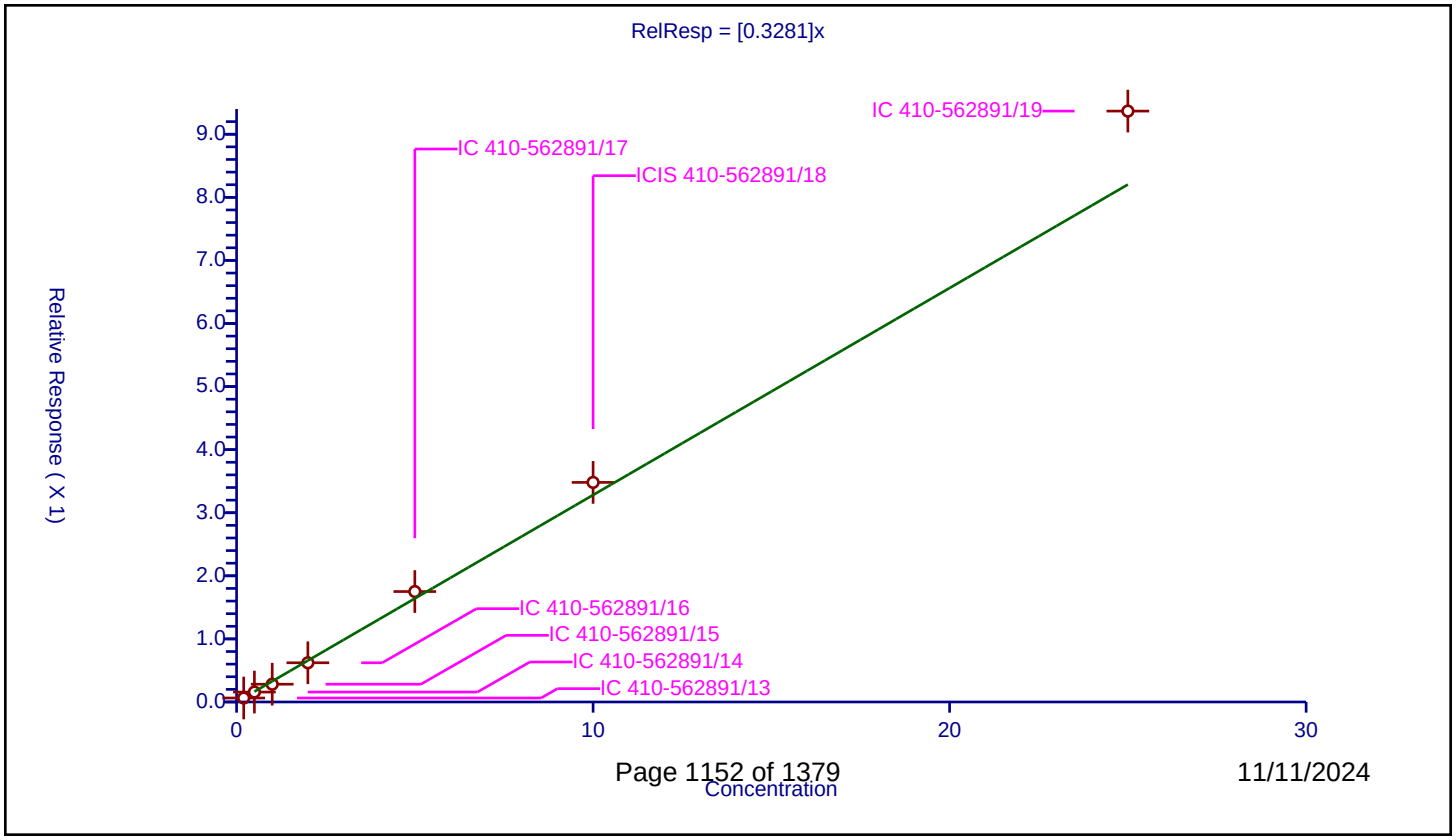
Curve Coefficients

Intercept:	0
Slope:	0.3281

Error Coefficients

Relative Standard Deviation:	9.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.063311	10.0	2082750.0	0.316553	Y
2	IC 410-562891/14	0.5	0.157456	10.0	2073531.0	0.314912	Y
3	IC 410-562891/15	1.0	0.281555	10.0	2064073.0	0.281555	Y
4	IC 410-562891/16	2.0	0.62171	10.0	2072912.0	0.310855	Y
5	IC 410-562891/17	5.0	1.750587	10.0	2077057.0	0.350117	Y
6	ICIS 410-562891/18	10.0	3.480751	10.0	2106583.0	0.348075	Y
7	IC 410-562891/19	25.0	9.36704	10.0	2152918.0	0.374682	Y



Calibration / 4-Methyl-2-pentanone (MIBK)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

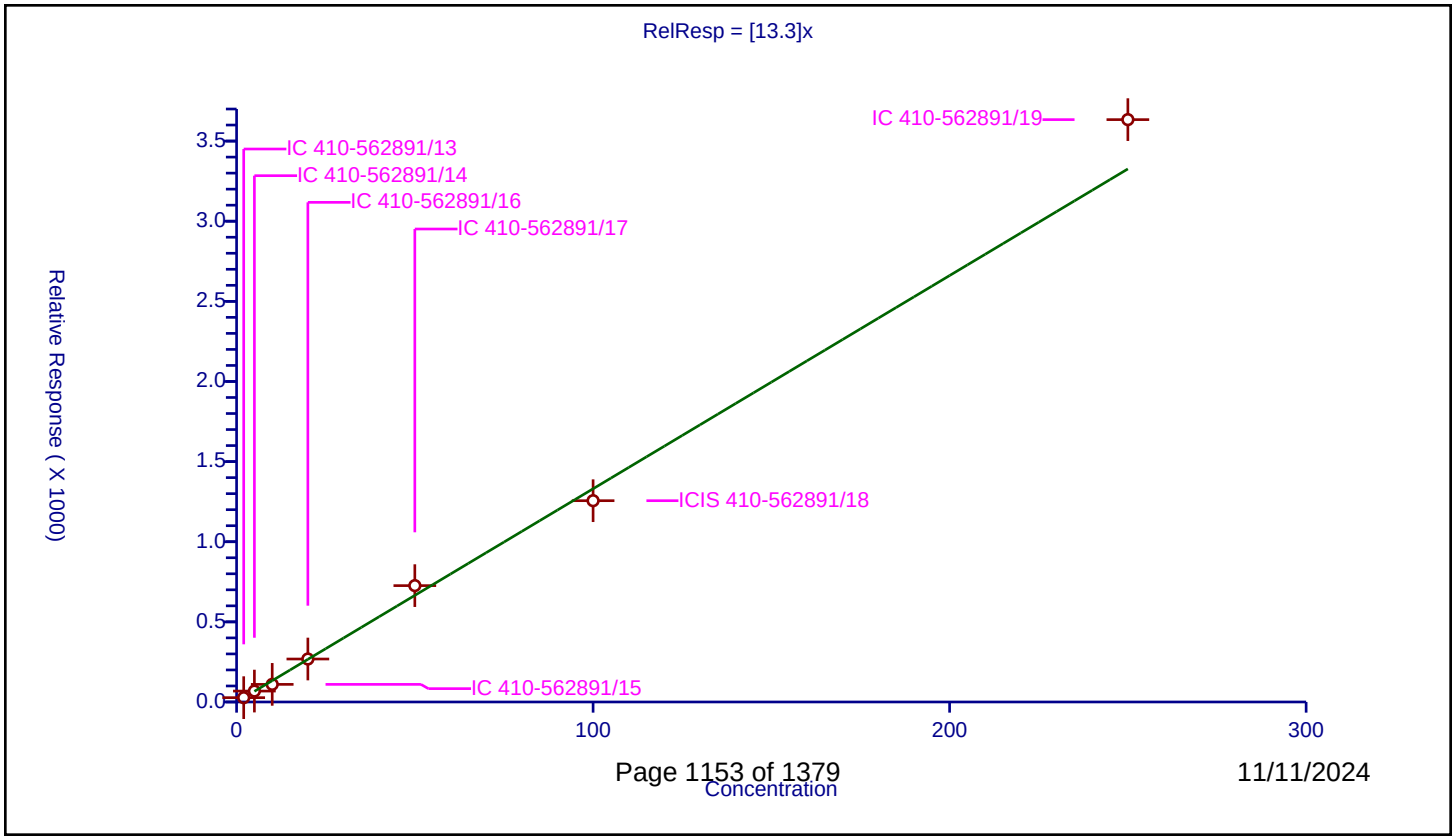
Curve Coefficients

Intercept:	0
Slope:	13.3

Error Coefficients

Relative Standard Deviation:	9.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	2.0	26.980695	50.0	89716.0	13.490347	Y
2	IC 410-562891/14	5.0	68.145192	50.0	93201.0	13.629038	Y
3	IC 410-562891/15	10.0	109.854189	50.0	100267.0	10.985419	Y
4	IC 410-562891/16	20.0	268.180988	50.0	93056.0	13.409049	Y
5	IC 410-562891/17	50.0	726.044505	50.0	95404.0	14.52089	Y
6	ICIS 410-562891/18	100.0	1256.023797	50.0	108835.0	12.560238	Y
7	IC 410-562891/19	250.0	3633.805276	50.0	94503.0	14.535221	Y



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Calibration / Toluene-d8 (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

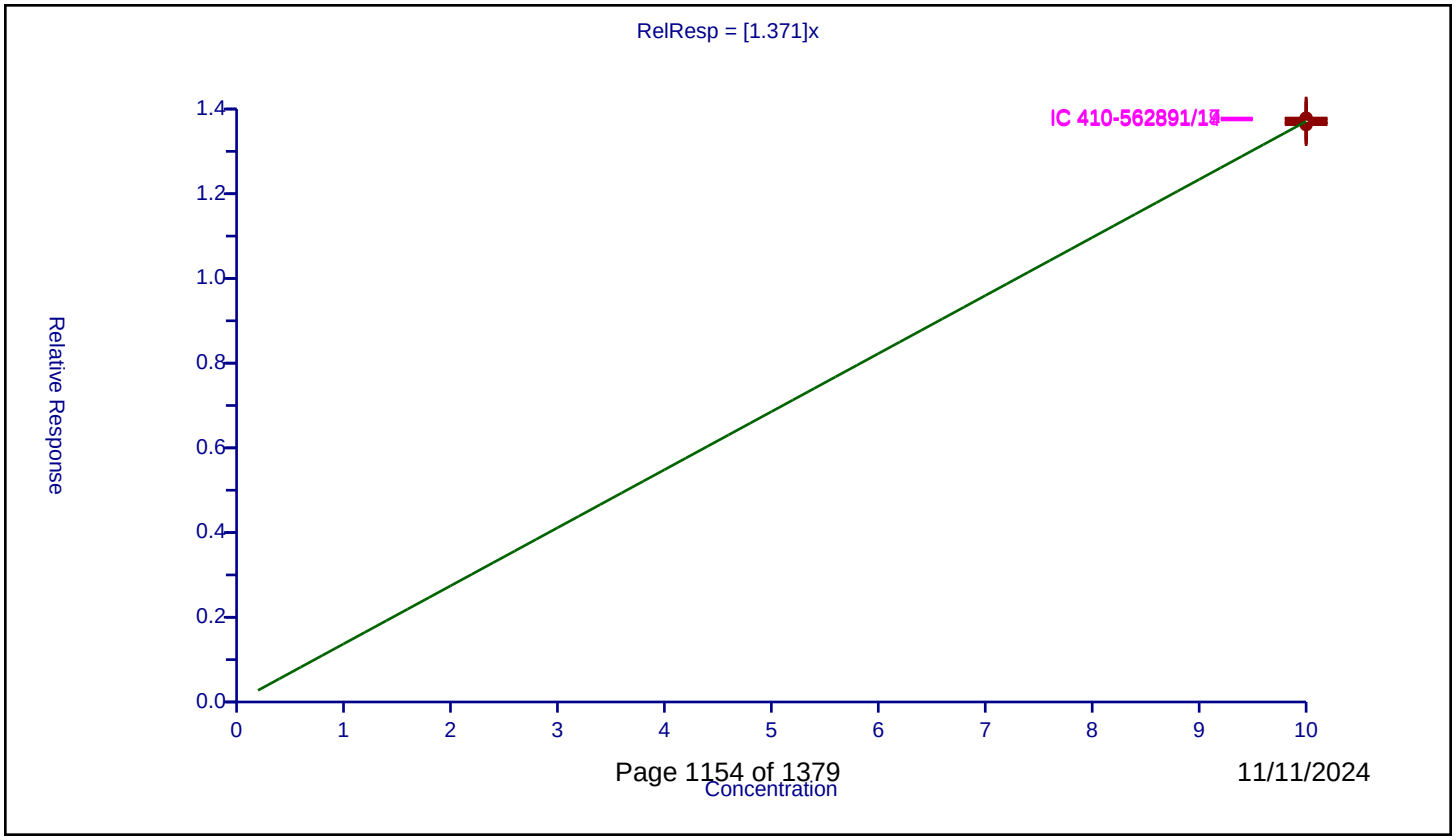
Curve Coefficients

Intercept:	0
Slope:	1.371

Error Coefficients

Relative Standard Deviation:	0.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	10.0	13.689835	10.0	1492945.0	1.368983	Y
2	IC 410-562891/14	10.0	13.741792	10.0	1477383.0	1.374179	Y
3	IC 410-562891/15	10.0	13.66414	10.0	1484269.0	1.366414	Y
4	IC 410-562891/16	10.0	13.673771	10.0	1488359.0	1.367377	Y
5	IC 410-562891/17	10.0	13.787053	10.0	1486198.0	1.378705	Y
6	ICIS 410-562891/18	10.0	13.630664	10.0	1520584.0	1.363066	Y
7	IC 410-562891/19	10.0	13.764573	10.0	1542964.0	1.376457	Y



Calibration / Toluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

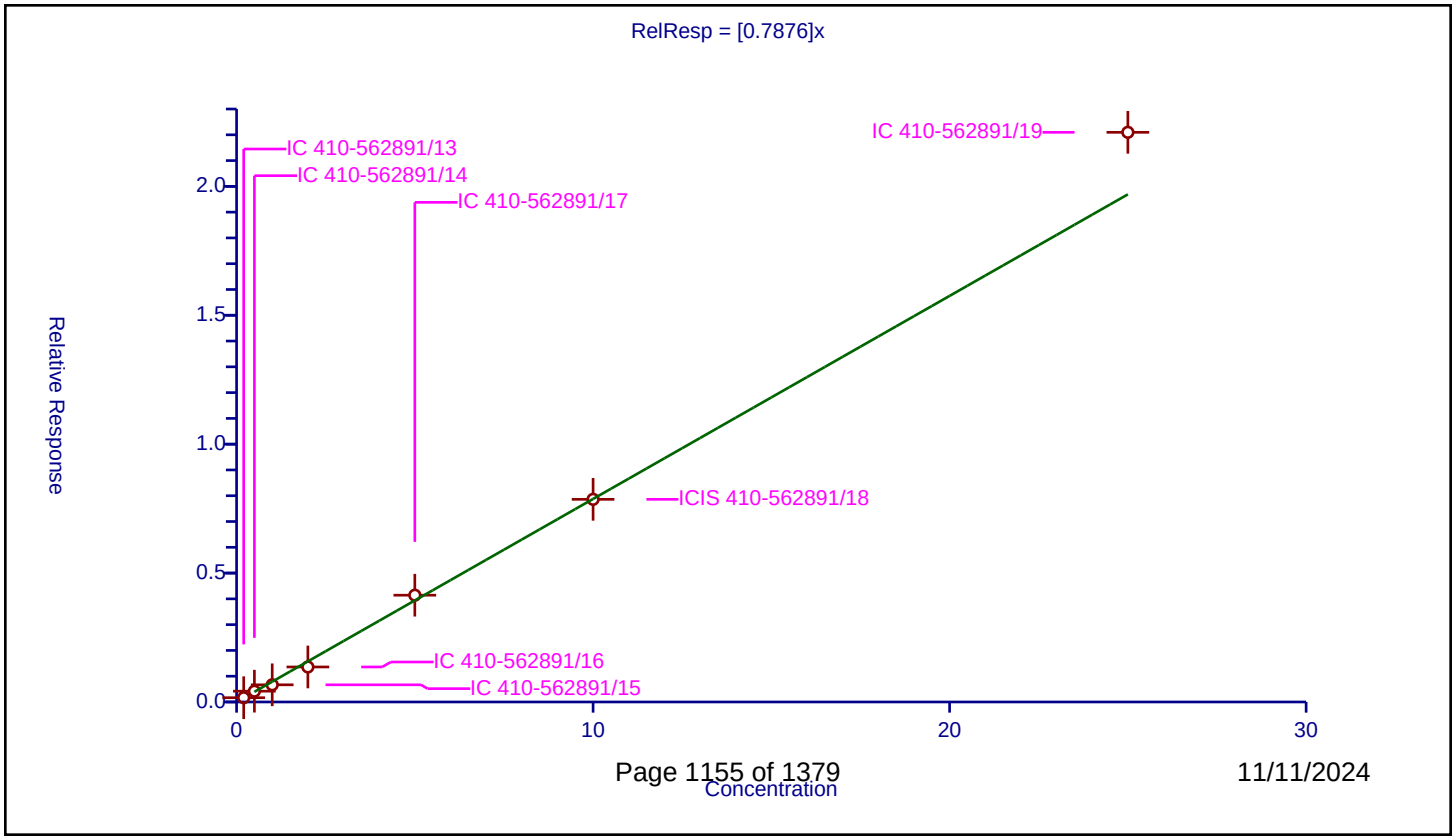
Curve Coefficients

Intercept:	0
Slope:	0.7876

Error Coefficients

Relative Standard Deviation:	10.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.166322	10.0	1492945.0	0.831611	Y
2	IC 410-562891/14	0.5	0.418971	10.0	1477383.0	0.837941	Y
3	IC 410-562891/15	1.0	0.666153	10.0	1484269.0	0.666153	Y
4	IC 410-562891/16	2.0	1.358268	10.0	1488359.0	0.679134	Y
5	IC 410-562891/17	5.0	4.141541	10.0	1486198.0	0.828308	Y
6	ICIS 410-562891/18	10.0	7.860309	10.0	1520584.0	0.786031	Y
7	IC 410-562891/19	25.0	22.096232	10.0	1542964.0	0.883849	Y



Calibration / trans-1,3-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

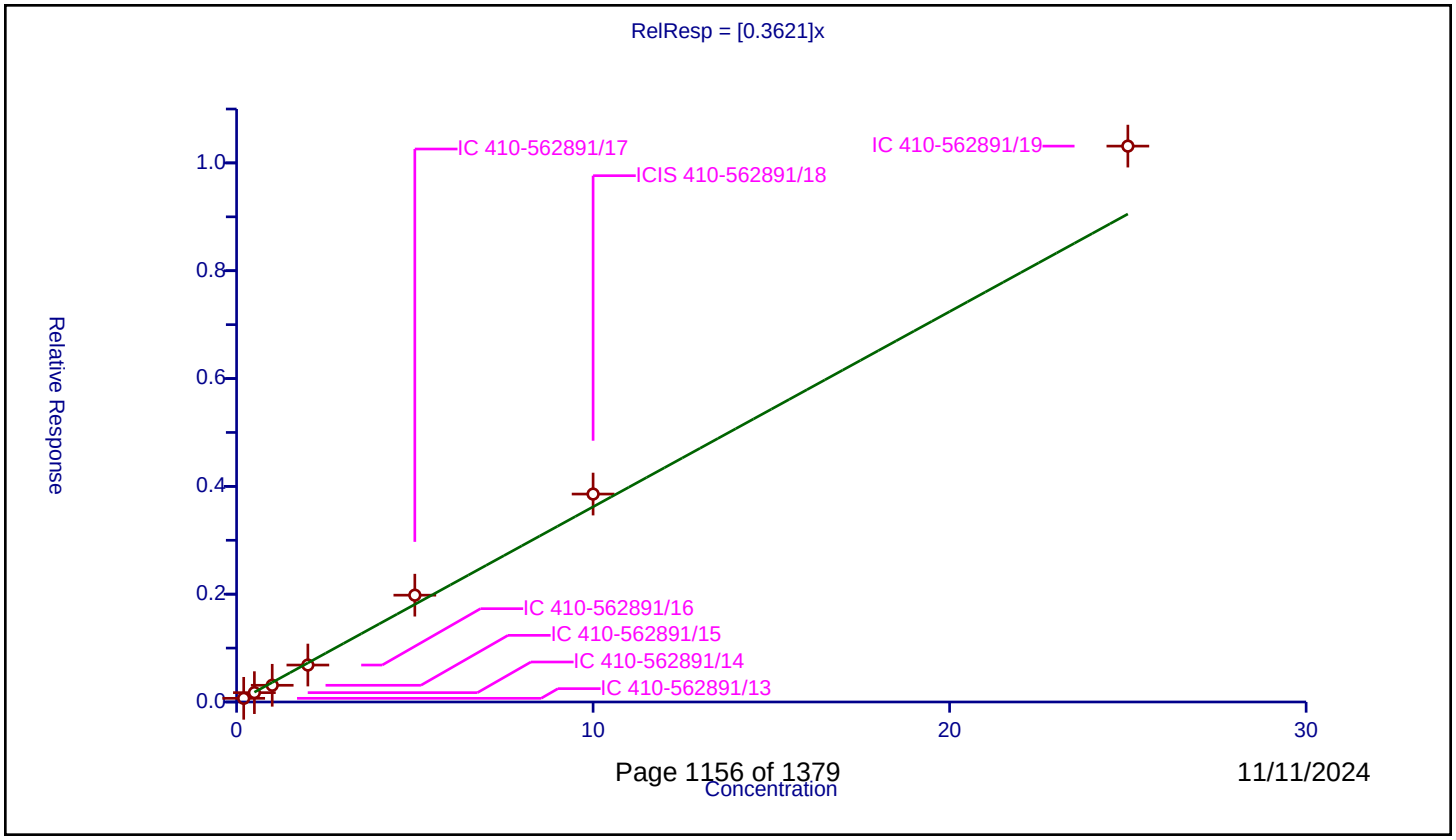
Curve Coefficients

Intercept:	0
Slope:	0.3621

Error Coefficients

Relative Standard Deviation:	10.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.068201	10.0	1492945.0	0.341004	Y
2	IC 410-562891/14	0.5	0.173273	10.0	1477383.0	0.346545	Y
3	IC 410-562891/15	1.0	0.309998	10.0	1484269.0	0.309998	Y
4	IC 410-562891/16	2.0	0.685466	10.0	1488359.0	0.342733	Y
5	IC 410-562891/17	5.0	1.981277	10.0	1486198.0	0.396255	Y
6	ICIS 410-562891/18	10.0	3.857294	10.0	1520584.0	0.385729	Y
7	IC 410-562891/19	25.0	10.31179	10.0	1542964.0	0.412472	Y



Calibration / Ethyl methacrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

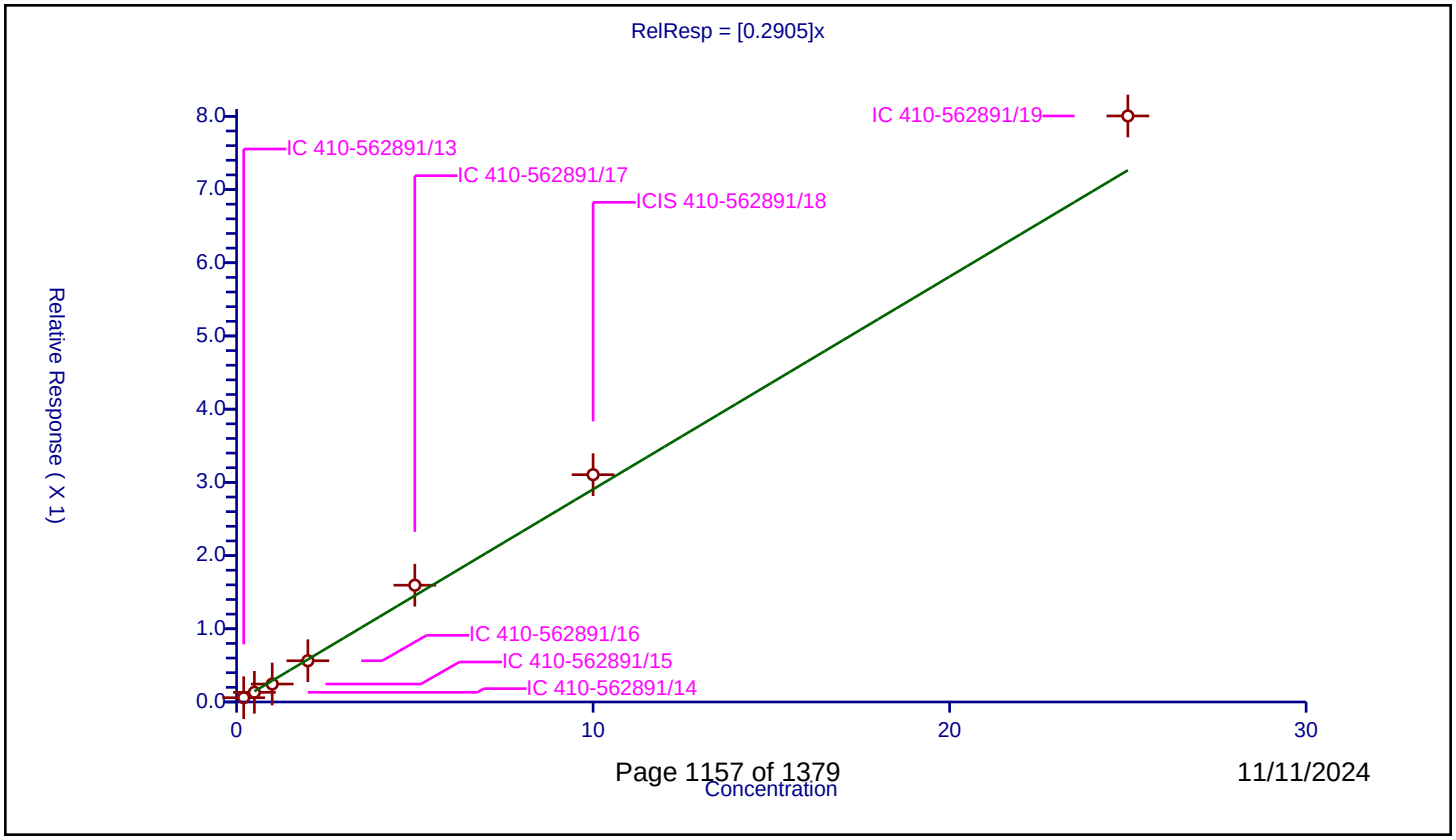
Curve Coefficients

Intercept:	0
Slope:	0.2905

Error Coefficients

Relative Standard Deviation:	9.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.058602	10.0	1492945.0	0.293011	Y
2	IC 410-562891/14	0.5	0.131997	10.0	1477383.0	0.263994	Y
3	IC 410-562891/15	1.0	0.245313	10.0	1484269.0	0.245313	Y
4	IC 410-562891/16	2.0	0.563332	10.0	1488359.0	0.281666	Y
5	IC 410-562891/17	5.0	1.595218	10.0	1486198.0	0.319044	Y
6	ICIS 410-562891/18	10.0	3.105327	10.0	1520584.0	0.310533	Y
7	IC 410-562891/19	25.0	8.00532	10.0	1542964.0	0.320213	Y



Calibration / 1,1,2-Trichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

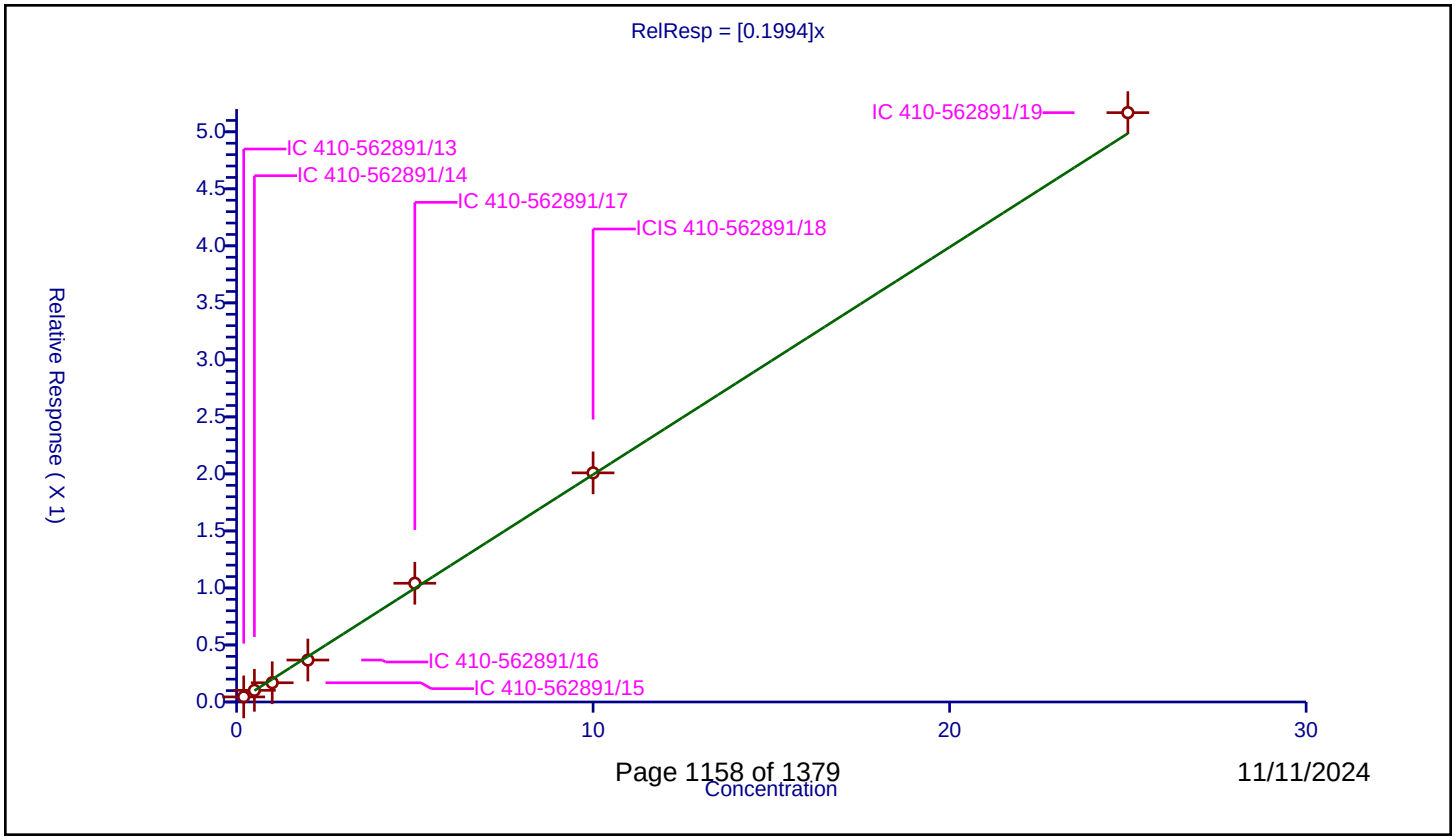
Curve Coefficients

Intercept:	0
Slope:	0.1994

Error Coefficients

Relative Standard Deviation:	8.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.044576	10.0	1492945.0	0.222882	Y
2	IC 410-562891/14	0.5	0.102255	10.0	1477383.0	0.20451	Y
3	IC 410-562891/15	1.0	0.168777	10.0	1484269.0	0.168777	Y
4	IC 410-562891/16	2.0	0.367962	10.0	1488359.0	0.183981	Y
5	IC 410-562891/17	5.0	1.0412	10.0	1486198.0	0.20824	Y
6	ICIS 410-562891/18	10.0	2.009366	10.0	1520584.0	0.200937	Y
7	IC 410-562891/19	25.0	5.168241	10.0	1542964.0	0.20673	Y



Calibration / Tetrachloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

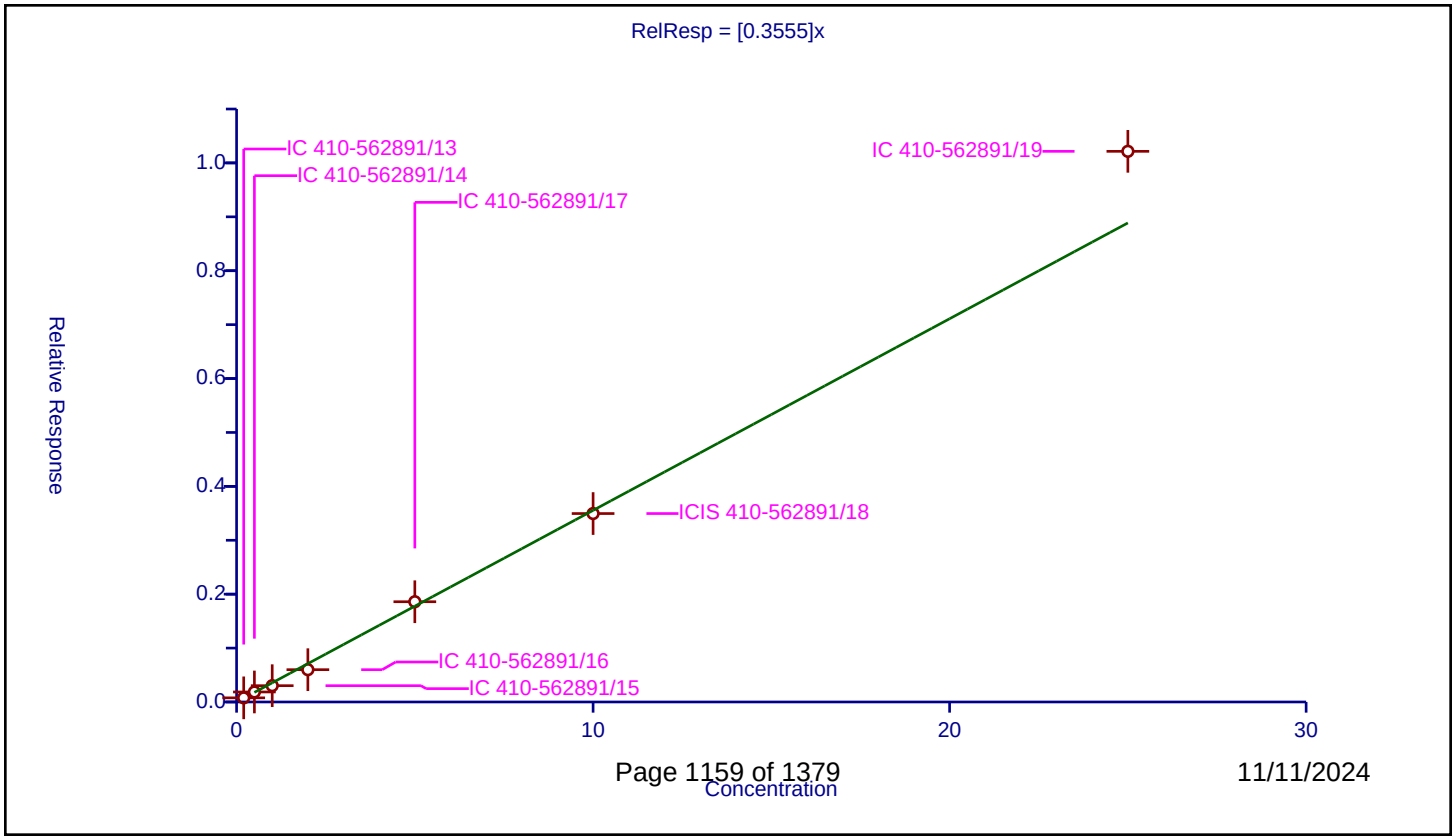
Curve Coefficients

Intercept:	0
Slope:	0.3555

Error Coefficients

Relative Standard Deviation:	11.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.076862	10.0	1492945.0	0.384308	Y
2	IC 410-562891/14	0.5	0.18589	10.0	1477383.0	0.371779	Y
3	IC 410-562891/15	1.0	0.302513	10.0	1484269.0	0.302513	Y
4	IC 410-562891/16	2.0	0.599304	10.0	1488359.0	0.299652	Y
5	IC 410-562891/17	5.0	1.859591	10.0	1486198.0	0.371918	Y
6	ICIS 410-562891/18	10.0	3.49567	10.0	1520584.0	0.349567	Y
7	IC 410-562891/19	25.0	10.215015	10.0	1542964.0	0.408601	Y



Calibration / 1,3-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

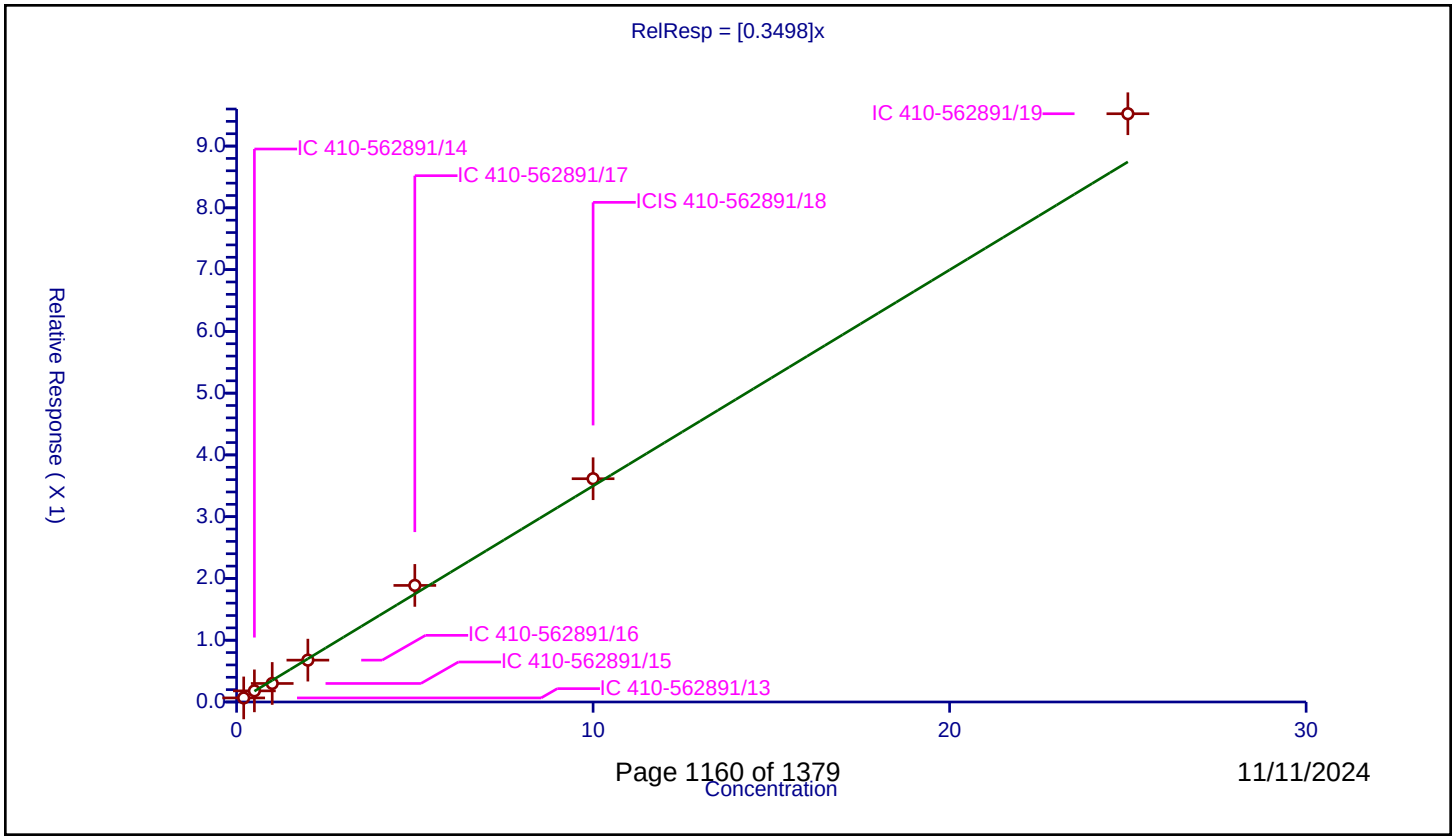
Curve Coefficients

Intercept:	0
Slope:	0.3498

Error Coefficients

Relative Standard Deviation:	8.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.06591	10.0	1492945.0	0.32955	Y
2	IC 410-562891/14	0.5	0.180204	10.0	1477383.0	0.360408	Y
3	IC 410-562891/15	1.0	0.29975	10.0	1484269.0	0.29975	Y
4	IC 410-562891/16	2.0	0.677565	10.0	1488359.0	0.338783	Y
5	IC 410-562891/17	5.0	1.887467	10.0	1486198.0	0.377493	Y
6	ICIS 410-562891/18	10.0	3.614591	10.0	1520584.0	0.361459	Y
7	IC 410-562891/19	25.0	9.523625	10.0	1542964.0	0.380945	Y



Calibration / 2-Hexanone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

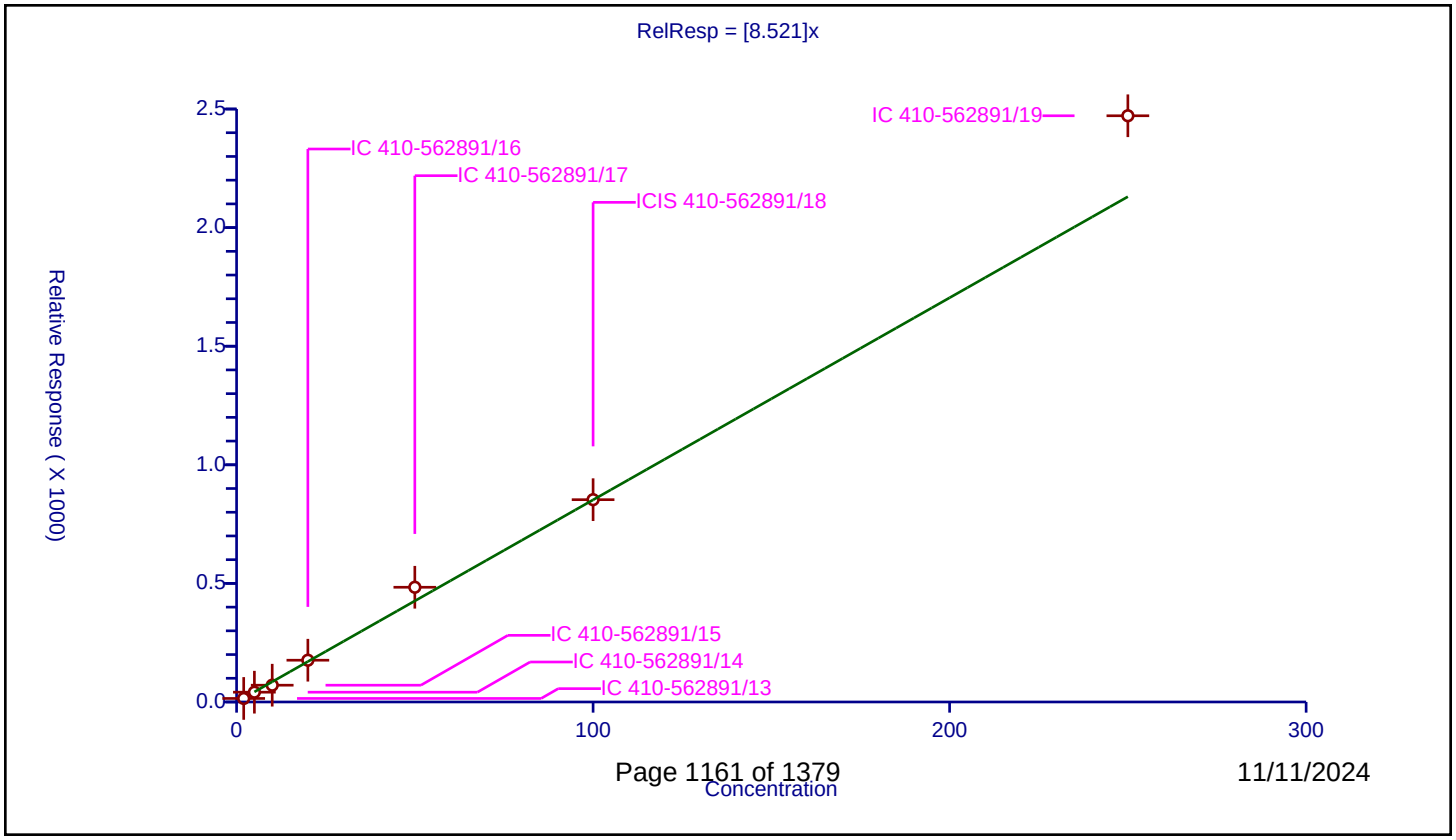
Curve Coefficients

Intercept:	0
Slope:	8.521

Error Coefficients

Relative Standard Deviation:	12.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	2.0	14.84072	50.0	89716.0	7.42036	Y
2	IC 410-562891/14	5.0	41.280673	50.0	93201.0	8.256135	Y
3	IC 410-562891/15	10.0	70.759073	50.0	100267.0	7.075907	Y
4	IC 410-562891/16	20.0	176.150383	50.0	93056.0	8.807519	Y
5	IC 410-562891/17	50.0	483.704562	50.0	95404.0	9.674091	Y
6	ICIS 410-562891/18	100.0	852.885561	50.0	108835.0	8.528856	Y
7	IC 410-562891/19	250.0	2471.56122	50.0	94503.0	9.886245	Y



11/11/2024

Calibration / Chlorodibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

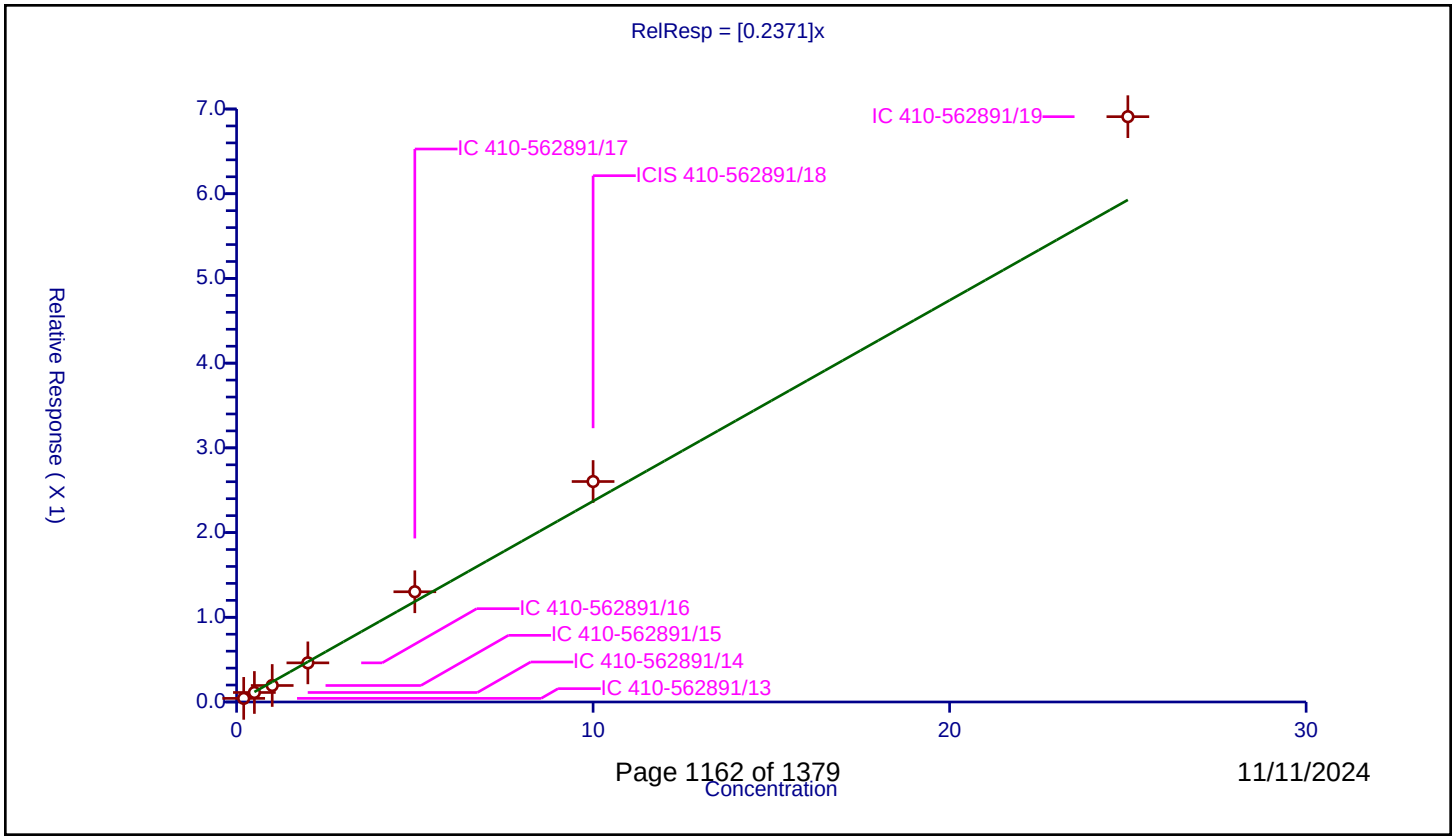
Curve Coefficients

Intercept:	0
Slope:	0.2371

Error Coefficients

Relative Standard Deviation:	12.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.04256	10.0	1492945.0	0.212801	Y
2	IC 410-562891/14	0.5	0.112083	10.0	1477383.0	0.224167	Y
3	IC 410-562891/15	1.0	0.194843	10.0	1484269.0	0.194843	Y
4	IC 410-562891/16	2.0	0.461811	10.0	1488359.0	0.230905	Y
5	IC 410-562891/17	5.0	1.301347	10.0	1486198.0	0.260269	Y
6	ICIS 410-562891/18	10.0	2.602711	10.0	1520584.0	0.260271	Y
7	IC 410-562891/19	25.0	6.90952	10.0	1542964.0	0.276381	Y



Calibration / Ethylene Dibromide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

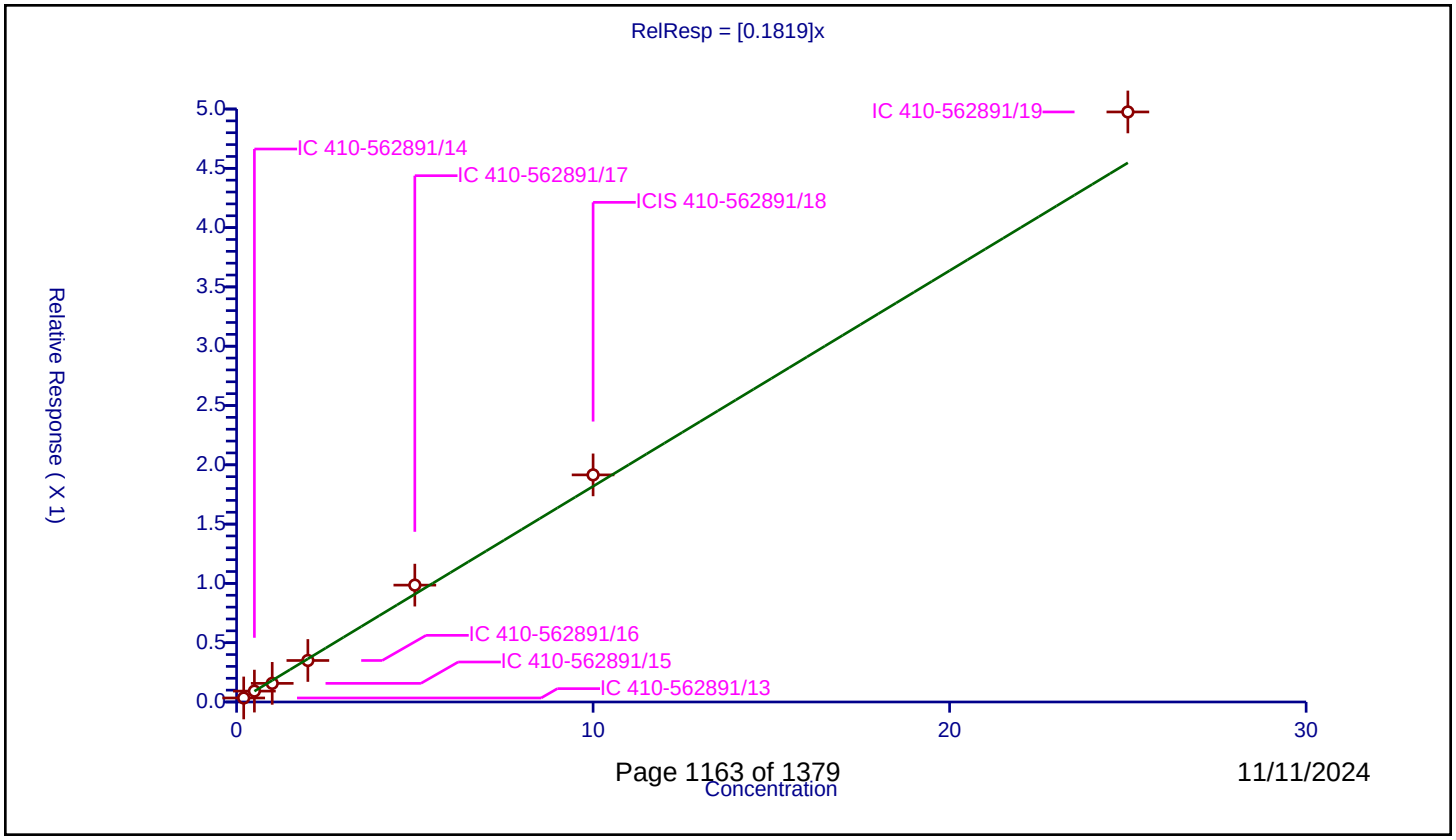
Curve Coefficients

Intercept:	0
Slope:	0.1819

Error Coefficients

Relative Standard Deviation:	8.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.033953	10.0	1492945.0	0.169765	Y
2	IC 410-562891/14	0.5	0.091797	10.0	1477383.0	0.183595	Y
3	IC 410-562891/15	1.0	0.157047	10.0	1484269.0	0.157047	Y
4	IC 410-562891/16	2.0	0.350037	10.0	1488359.0	0.175018	Y
5	IC 410-562891/17	5.0	0.985461	10.0	1486198.0	0.197092	Y
6	ICIS 410-562891/18	10.0	1.914968	10.0	1520584.0	0.191497	Y
7	IC 410-562891/19	25.0	4.975262	10.0	1542964.0	0.19901	Y



Calibration / 1-Chlorohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

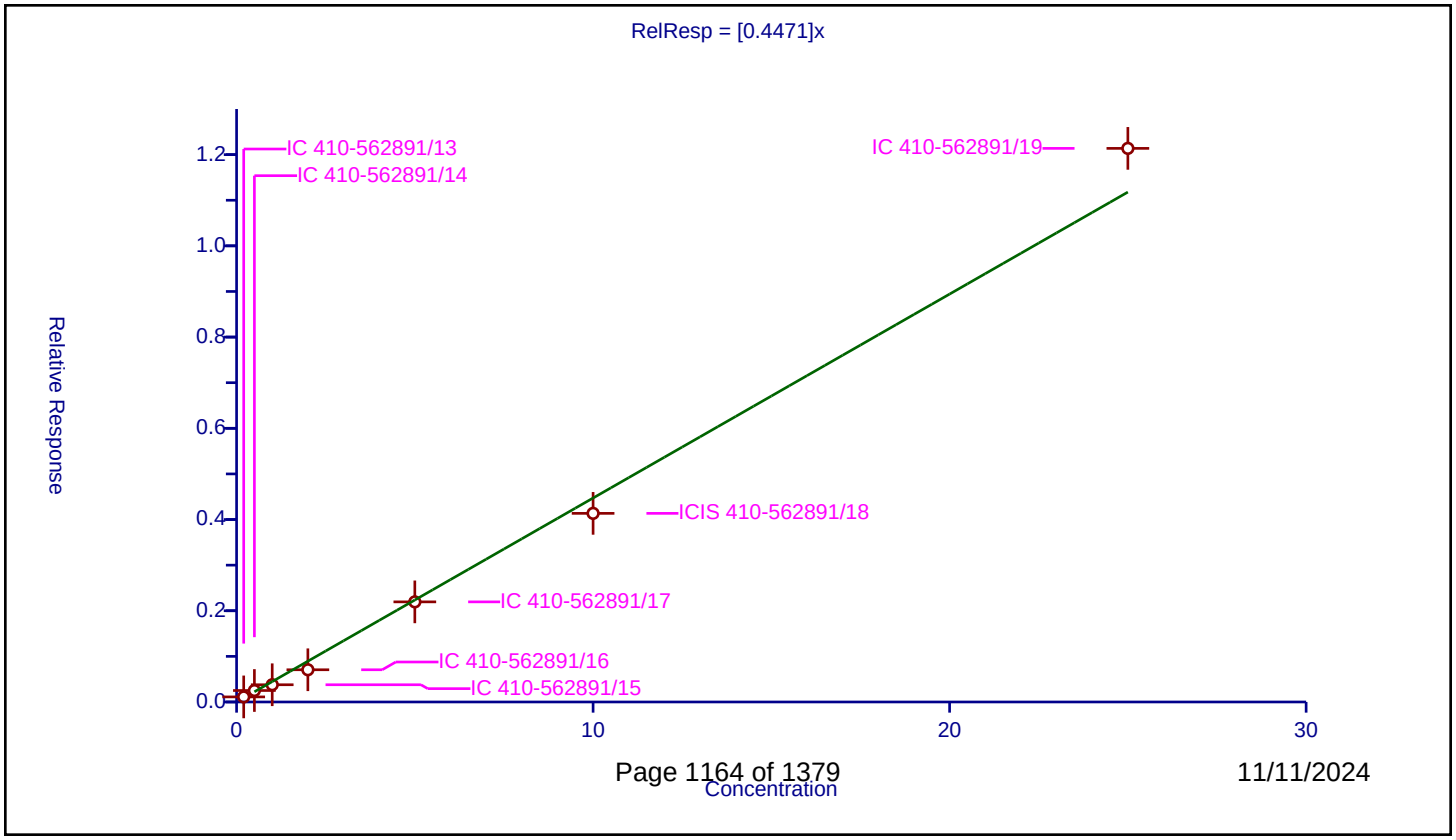
Curve Coefficients

Intercept:	0
Slope:	0.4471

Error Coefficients

Relative Standard Deviation:	16.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.111545	10.0	1492945.0	0.557723	Y
2	IC 410-562891/14	0.5	0.251519	10.0	1477383.0	0.503038	Y
3	IC 410-562891/15	1.0	0.377984	10.0	1484269.0	0.377984	Y
4	IC 410-562891/16	2.0	0.70657	10.0	1488359.0	0.353285	Y
5	IC 410-562891/17	5.0	2.194808	10.0	1486198.0	0.438962	Y
6	ICIS 410-562891/18	10.0	4.135608	10.0	1520584.0	0.413561	Y
7	IC 410-562891/19	25.0	12.136842	10.0	1542964.0	0.485474	Y



Calibration / Chlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

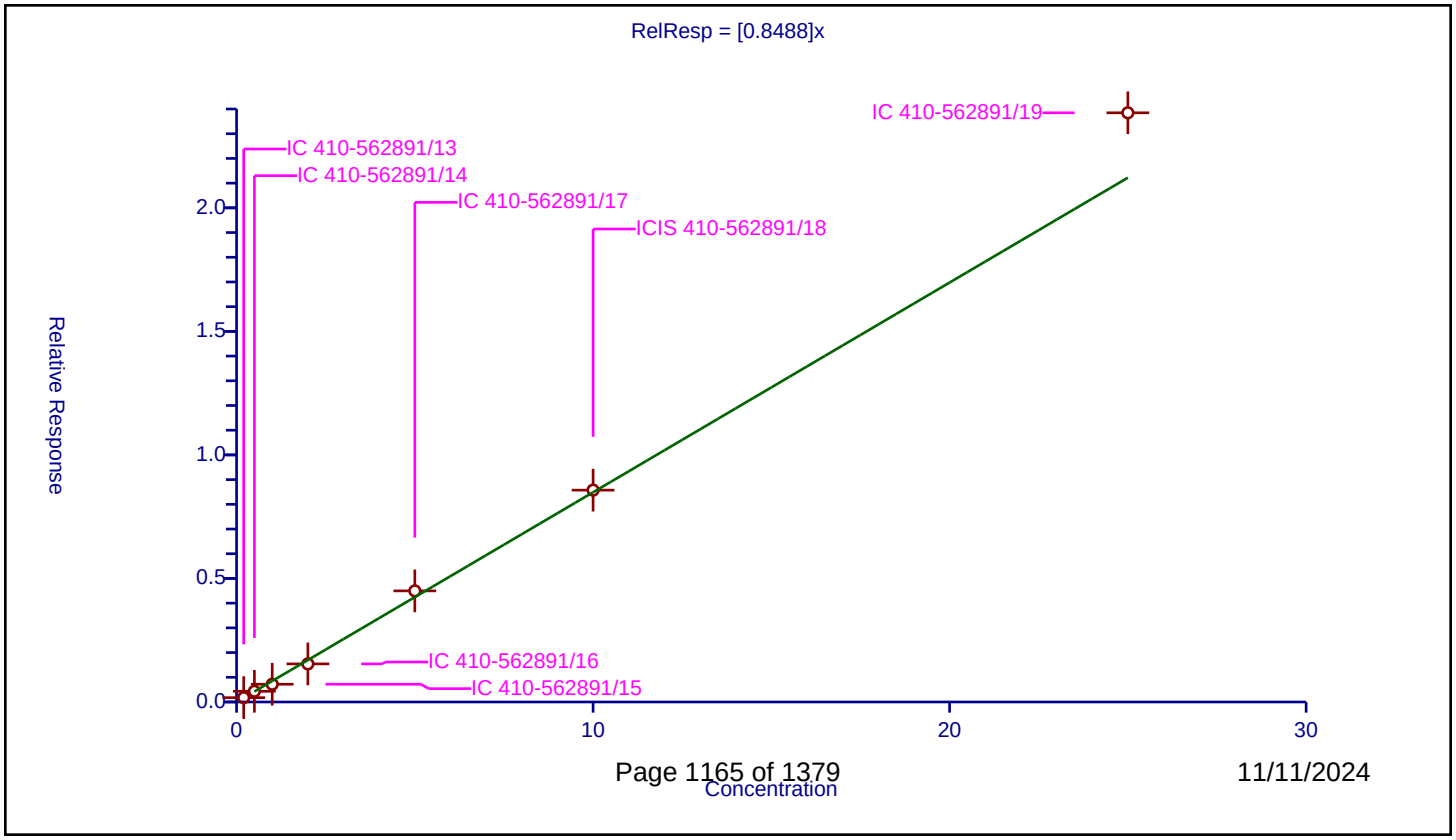
Curve Coefficients

Intercept:	0
Slope:	0.8488

Error Coefficients

Relative Standard Deviation:	9.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.175231	10.0	1492945.0	0.876154	Y
2	IC 410-562891/14	0.5	0.432887	10.0	1477383.0	0.865774	Y
3	IC 410-562891/15	1.0	0.717875	10.0	1484269.0	0.717875	Y
4	IC 410-562891/16	2.0	1.542256	10.0	1488359.0	0.771128	Y
5	IC 410-562891/17	5.0	4.496891	10.0	1486198.0	0.899378	Y
6	ICIS 410-562891/18	10.0	8.575067	10.0	1520584.0	0.857507	Y
7	IC 410-562891/19	25.0	23.846862	10.0	1542964.0	0.953874	Y



Calibration / 1,1,1,2-Tetrachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

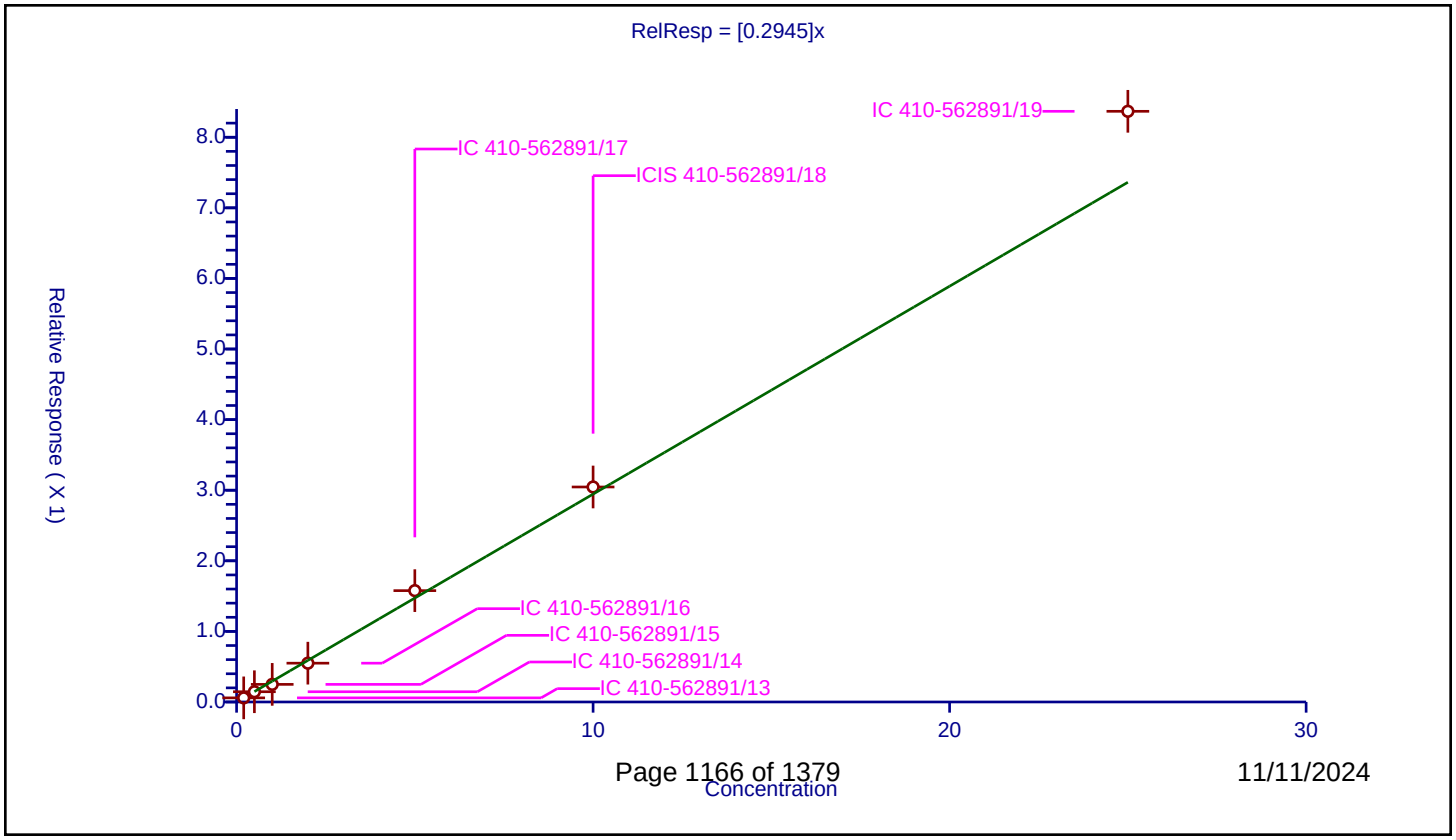
Curve Coefficients

Intercept:	0
Slope:	0.2945

Error Coefficients

Relative Standard Deviation:	9.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.058361	10.0	1492945.0	0.291806	Y
2	IC 410-562891/14	0.5	0.145277	10.0	1477383.0	0.290554	Y
3	IC 410-562891/15	1.0	0.24951	10.0	1484269.0	0.24951	Y
4	IC 410-562891/16	2.0	0.549659	10.0	1488359.0	0.27483	Y
5	IC 410-562891/17	5.0	1.5773	10.0	1486198.0	0.31546	Y
6	ICIS 410-562891/18	10.0	3.045514	10.0	1520584.0	0.304551	Y
7	IC 410-562891/19	25.0	8.367648	10.0	1542964.0	0.334706	Y



Calibration / Ethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

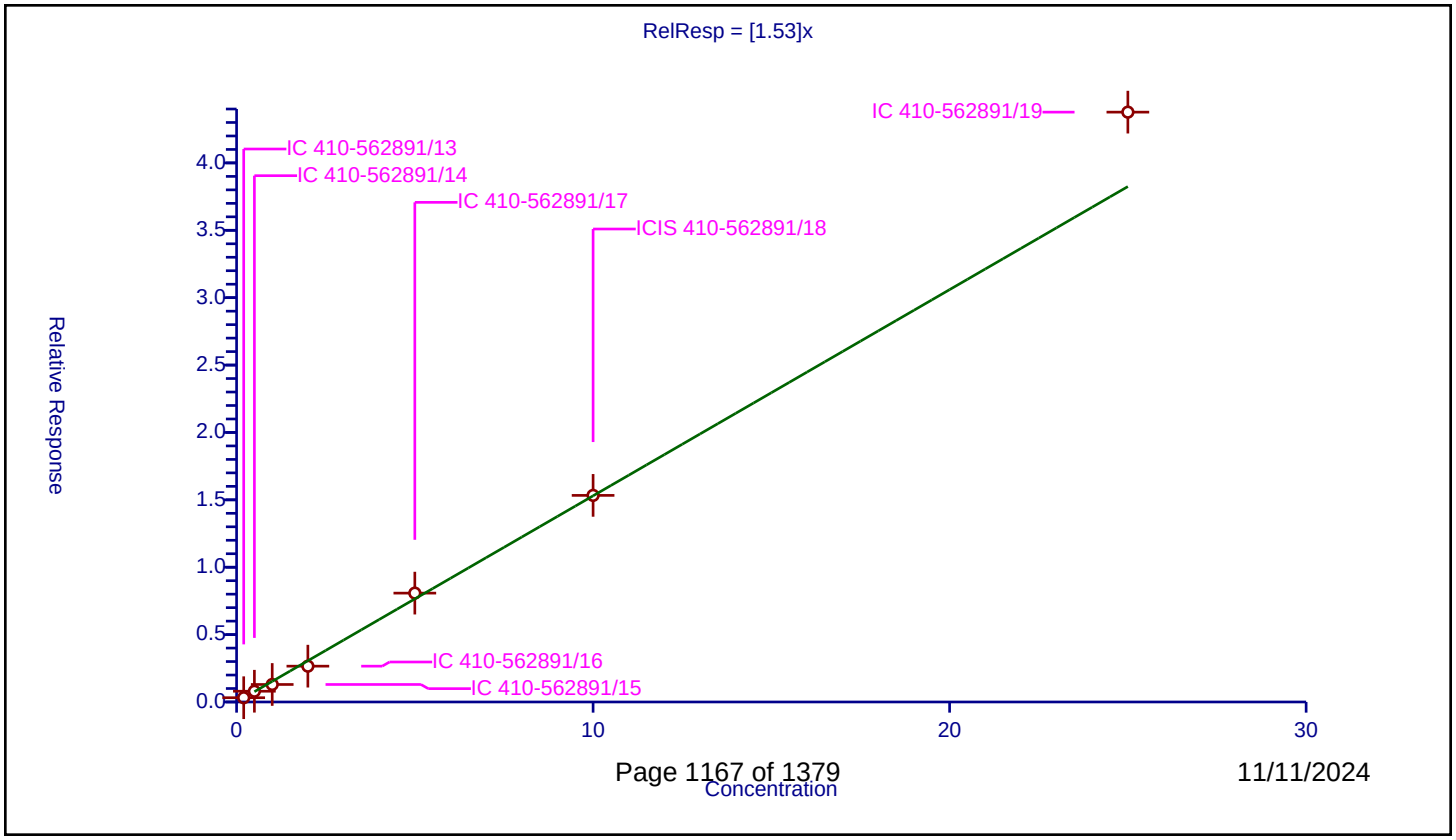
Curve Coefficients

Intercept:	0
Slope:	1.53

Error Coefficients

Relative Standard Deviation:	10.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.317105	10.0	1492945.0	1.585524	Y
2	IC 410-562891/14	0.5	0.797701	10.0	1477383.0	1.595402	Y
3	IC 410-562891/15	1.0	1.299582	10.0	1484269.0	1.299582	Y
4	IC 410-562891/16	2.0	2.658304	10.0	1488359.0	1.329152	Y
5	IC 410-562891/17	5.0	8.078385	10.0	1486198.0	1.615677	Y
6	ICIS 410-562891/18	10.0	15.330038	10.0	1520584.0	1.533004	Y
7	IC 410-562891/19	25.0	43.767716	10.0	1542964.0	1.750709	Y



Calibration / m-Xylene & p-Xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

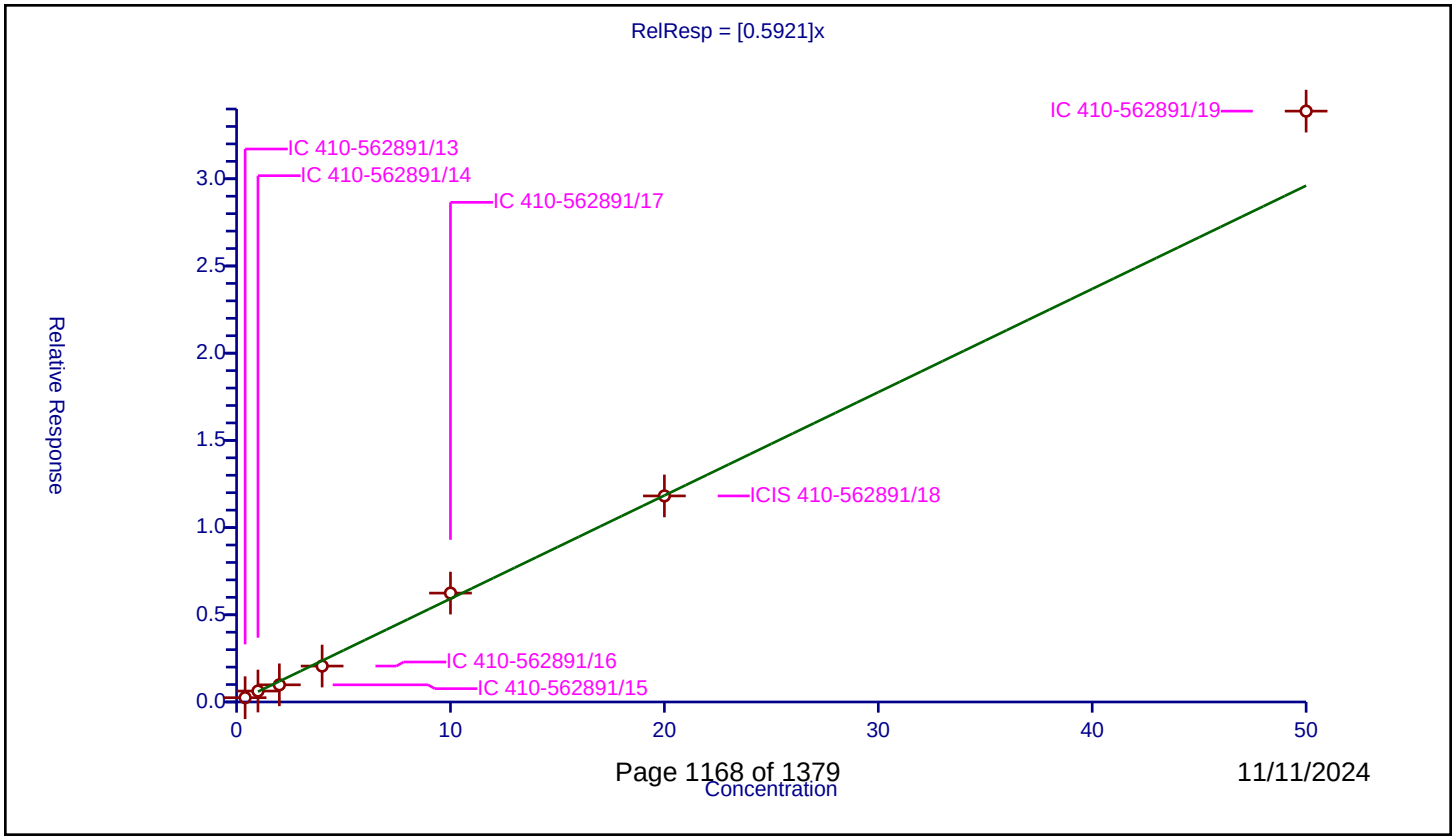
Curve Coefficients

Intercept:	0
Slope:	0.5921

Error Coefficients

Relative Standard Deviation:	11.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.4	0.246767	10.0	1492945.0	0.616918	Y
2	IC 410-562891/14	1.0	0.628178	10.0	1477383.0	0.628178	Y
3	IC 410-562891/15	2.0	0.98377	10.0	1484269.0	0.491885	Y
4	IC 410-562891/16	4.0	2.060242	10.0	1488359.0	0.515061	Y
5	IC 410-562891/17	10.0	6.243657	10.0	1486198.0	0.624366	Y
6	ICIS 410-562891/18	20.0	11.815171	10.0	1520584.0	0.590759	Y
7	IC 410-562891/19	50.0	33.878924	10.0	1542964.0	0.677578	Y



Calibration / o-Xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

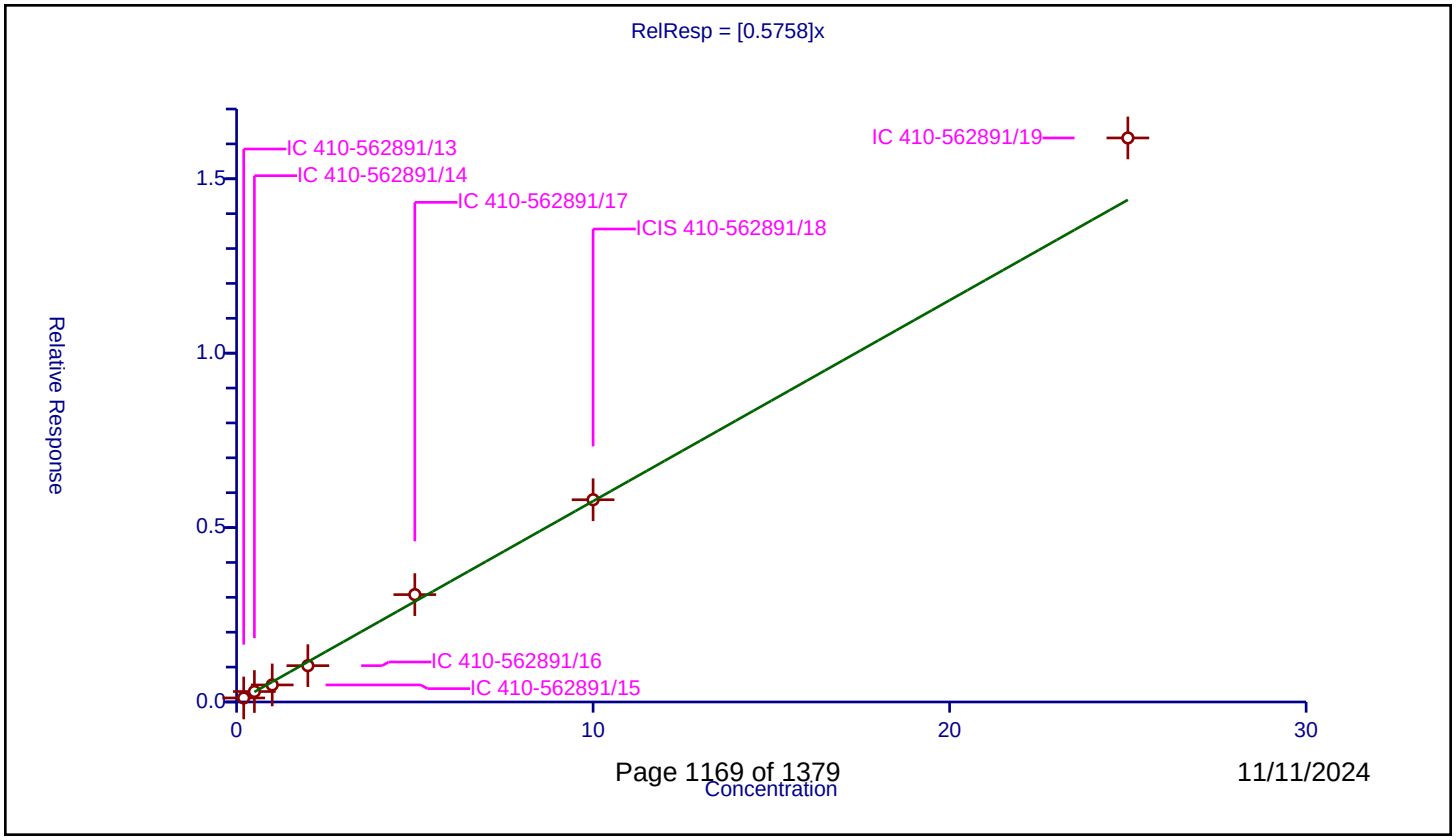
Curve Coefficients

Intercept:	0
Slope:	0.5758

Error Coefficients

Relative Standard Deviation:	9.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.115912	10.0	1492945.0	0.579559	Y
2	IC 410-562891/14	0.5	0.299706	10.0	1477383.0	0.599411	Y
3	IC 410-562891/15	1.0	0.488934	10.0	1484269.0	0.488934	Y
4	IC 410-562891/16	2.0	1.041395	10.0	1488359.0	0.520698	Y
5	IC 410-562891/17	5.0	3.078163	10.0	1486198.0	0.615633	Y
6	ICIS 410-562891/18	10.0	5.798253	10.0	1520584.0	0.579825	Y
7	IC 410-562891/19	25.0	16.170546	10.0	1542964.0	0.646822	Y



Calibration / Styrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

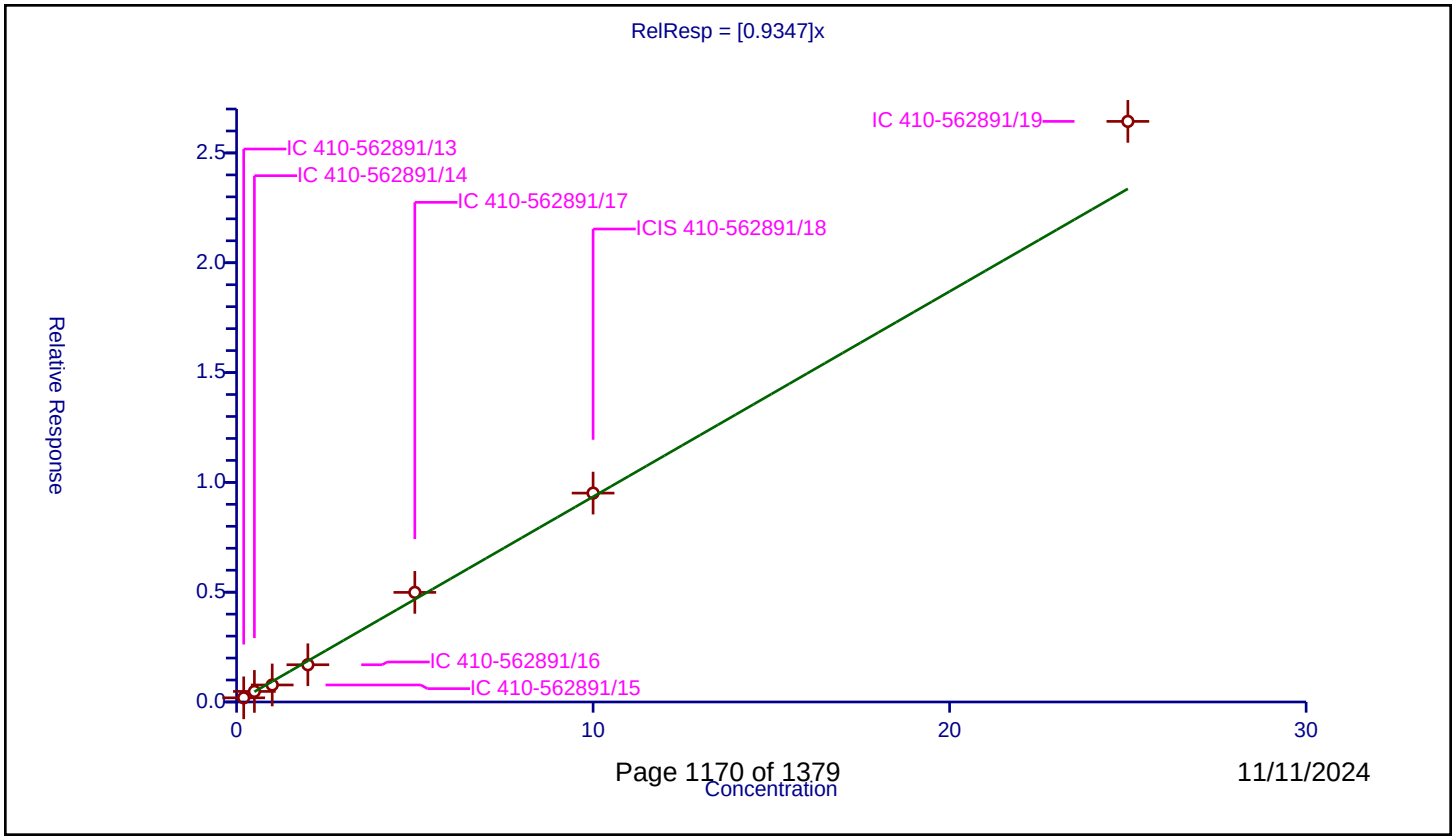
Curve Coefficients

Intercept:	0
Slope:	0.9347

Error Coefficients

Relative Standard Deviation:	10.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.190282	10.0	1492945.0	0.951408	Y
2	IC 410-562891/14	0.5	0.480891	10.0	1477383.0	0.961782	Y
3	IC 410-562891/15	1.0	0.775008	10.0	1484269.0	0.775008	Y
4	IC 410-562891/16	2.0	1.695458	10.0	1488359.0	0.847729	Y
5	IC 410-562891/17	5.0	4.990809	10.0	1486198.0	0.998162	Y
6	ICIS 410-562891/18	10.0	9.511471	10.0	1520584.0	0.951147	Y
7	IC 410-562891/19	25.0	26.436618	10.0	1542964.0	1.057465	Y



Calibration / Bromoform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

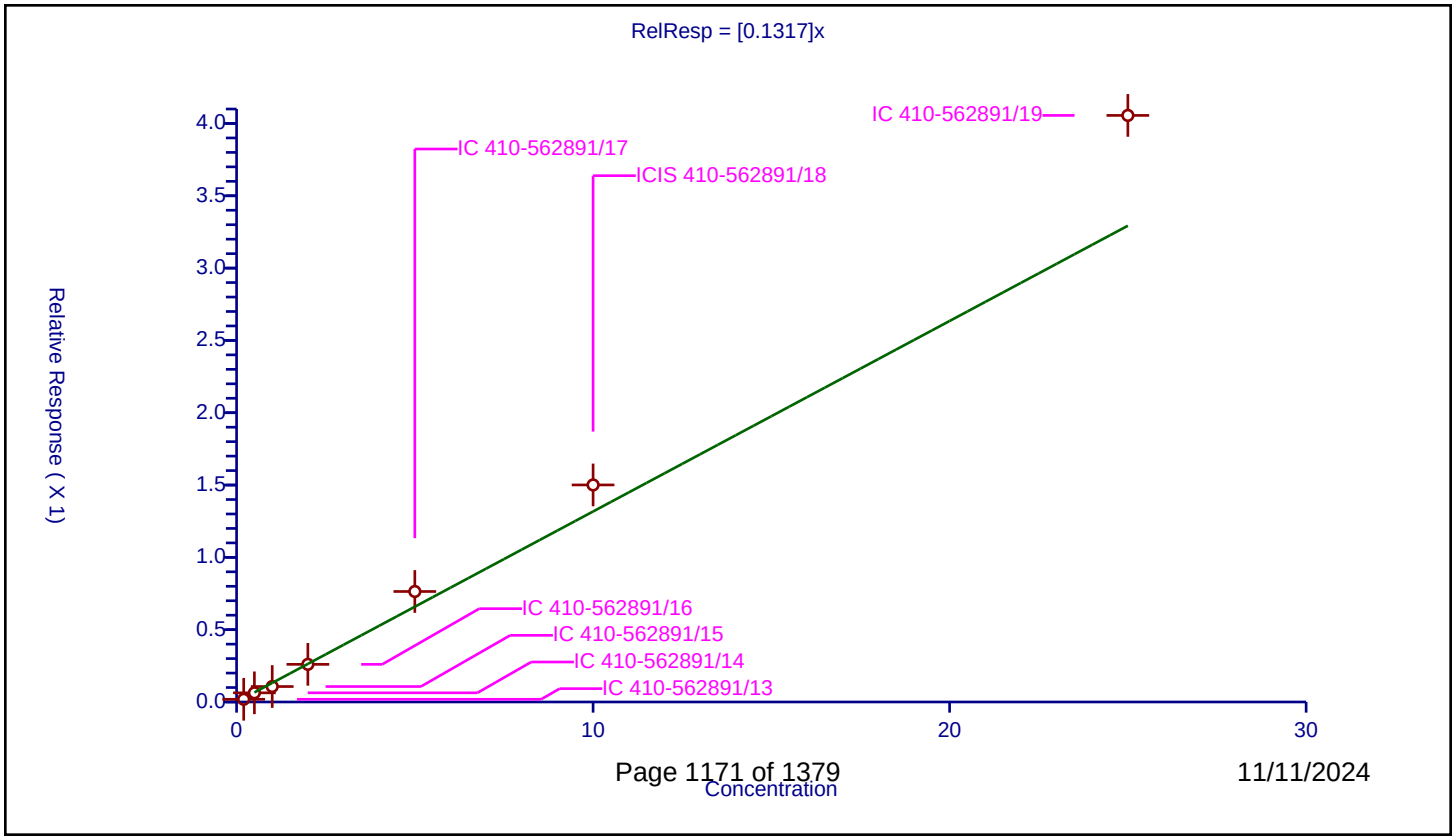
Curve Coefficients

Intercept:	0
Slope:	0.1317

Error Coefficients

Relative Standard Deviation:	19.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.018681	10.0	1492945.0	0.093406	Y
2	IC 410-562891/14	0.5	0.063315	10.0	1477383.0	0.126629	Y
3	IC 410-562891/15	1.0	0.1068	10.0	1484269.0	0.1068	Y
4	IC 410-562891/16	2.0	0.260226	10.0	1488359.0	0.130113	Y
5	IC 410-562891/17	5.0	0.763896	10.0	1486198.0	0.152779	Y
6	ICIS 410-562891/18	10.0	1.500818	10.0	1520584.0	0.150082	Y
7	IC 410-562891/19	25.0	4.055733	10.0	1542964.0	0.162229	Y



Calibration / Isopropylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

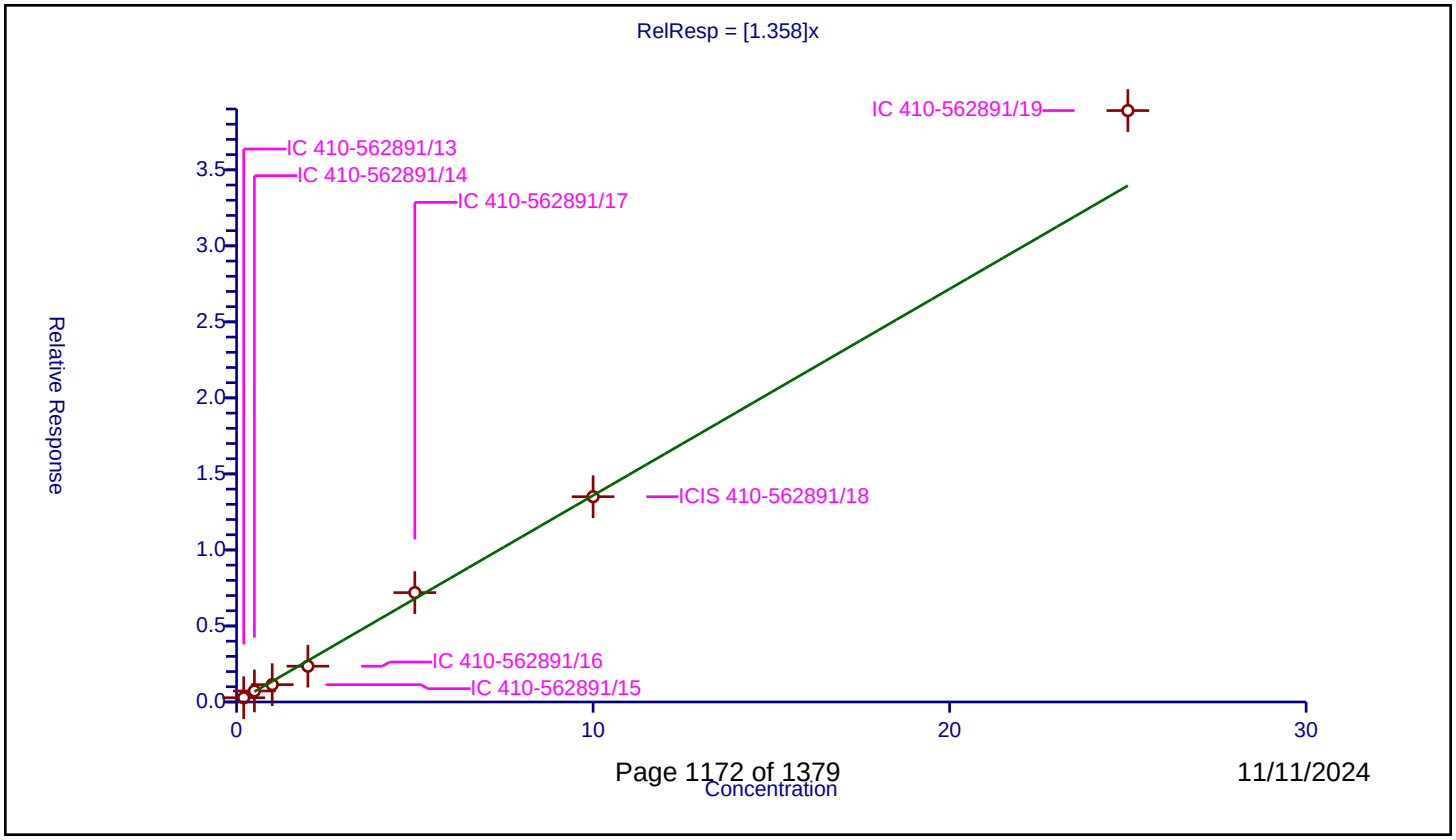
Curve Coefficients

Intercept:	0
Slope:	1.358

Error Coefficients

Relative Standard Deviation:	11.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.279307	10.0	1492945.0	1.396535	Y
2	IC 410-562891/14	0.5	0.724748	10.0	1477383.0	1.449495	Y
3	IC 410-562891/15	1.0	1.140514	10.0	1484269.0	1.140514	Y
4	IC 410-562891/16	2.0	2.353854	10.0	1488359.0	1.176927	Y
5	IC 410-562891/17	5.0	7.193994	10.0	1486198.0	1.438799	Y
6	ICIS 410-562891/18	10.0	13.502983	10.0	1520584.0	1.350298	Y
7	IC 410-562891/19	25.0	38.89757	10.0	1542964.0	1.555903	Y



Calibration / 4-Bromofluorobenzene (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

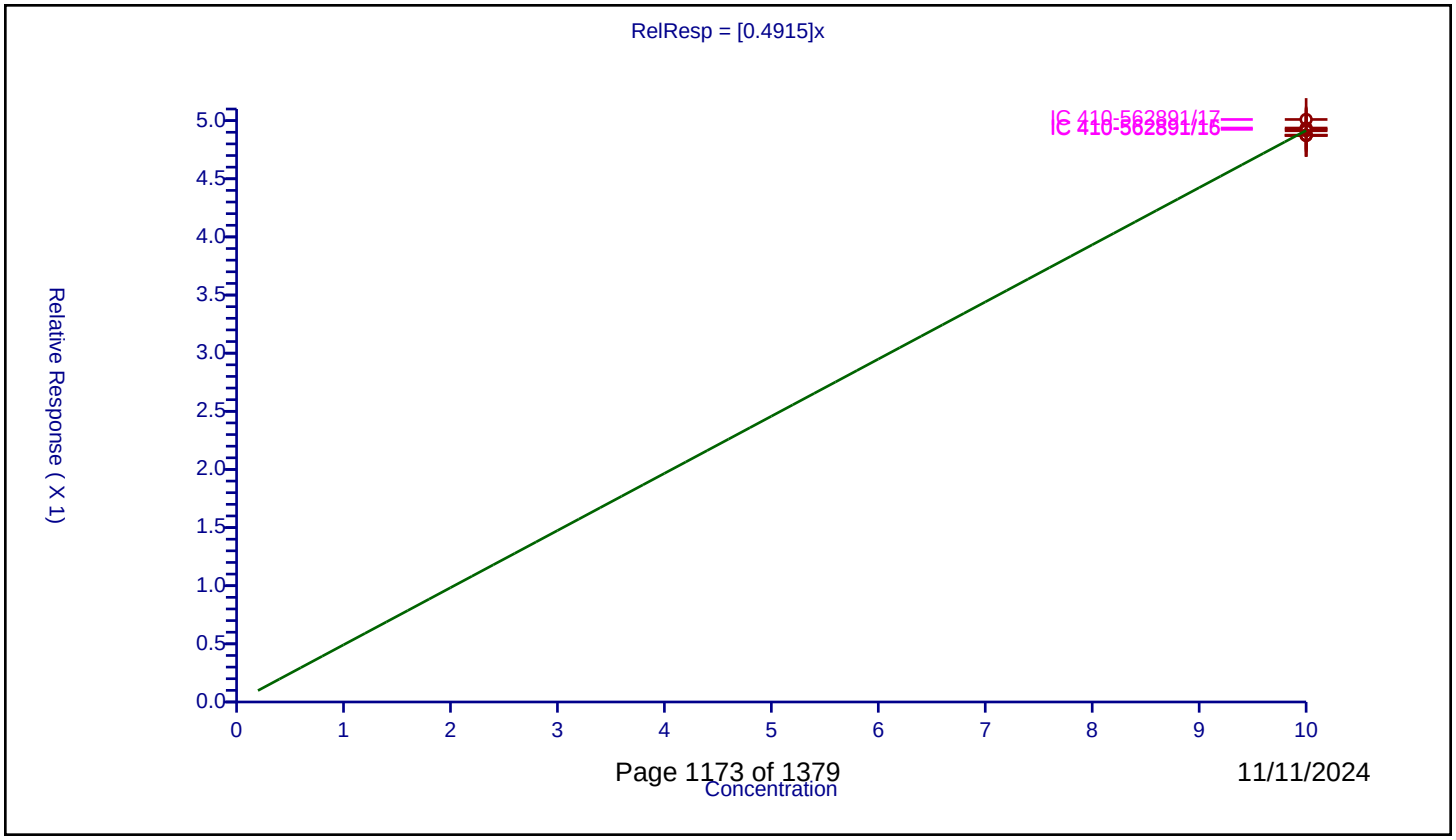
Curve Coefficients

Intercept:	0
Slope:	0.4915

Error Coefficients

Relative Standard Deviation:	1.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	10.0	4.875029	10.0	1492945.0	0.487503	Y
2	IC 410-562891/14	10.0	4.87401	10.0	1477383.0	0.487401	Y
3	IC 410-562891/15	10.0	4.93641	10.0	1484269.0	0.493641	Y
4	IC 410-562891/16	10.0	4.924995	10.0	1488359.0	0.492499	Y
5	IC 410-562891/17	10.0	5.010187	10.0	1486198.0	0.501019	Y
6	ICIS 410-562891/18	10.0	4.8722	10.0	1520584.0	0.48722	Y
7	IC 410-562891/19	10.0	4.912824	10.0	1542964.0	0.491282	Y



11/11/2024

Calibration / 1,1,2,2-Tetrachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

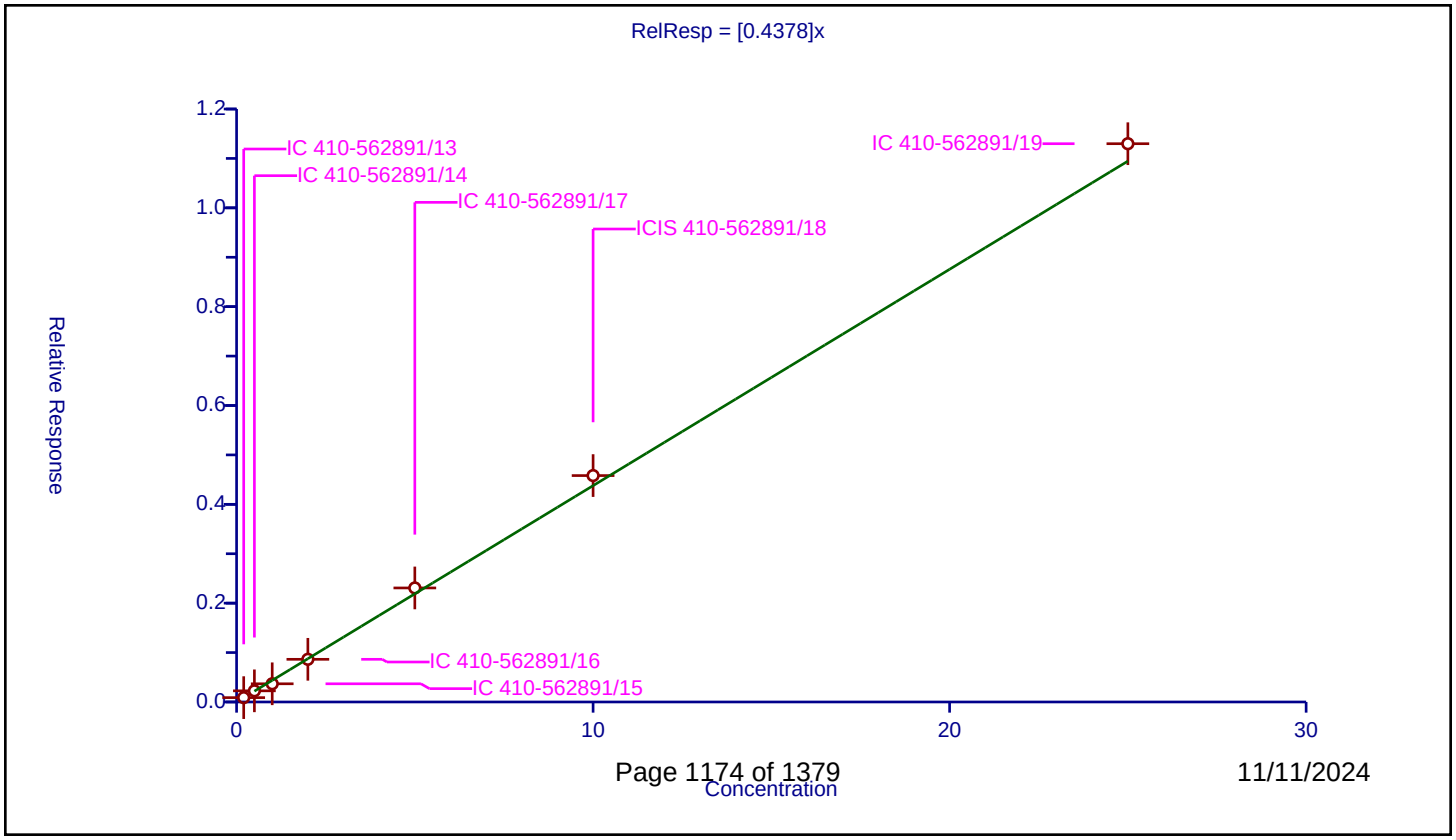
Curve Coefficients

Intercept:	0
Slope:	0.4378

Error Coefficients

Relative Standard Deviation:	7.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.088125	10.0	833699.0	0.440627	Y
2	IC 410-562891/14	0.5	0.225954	10.0	837428.0	0.451908	Y
3	IC 410-562891/15	1.0	0.368559	10.0	834277.0	0.368559	Y
4	IC 410-562891/16	2.0	0.863788	10.0	826048.0	0.431894	Y
5	IC 410-562891/17	5.0	2.307846	10.0	845338.0	0.461569	Y
6	ICIS 410-562891/18	10.0	4.581722	10.0	846649.0	0.458172	Y
7	IC 410-562891/19	25.0	11.298046	10.0	878058.0	0.451922	Y



Calibration / Bromobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

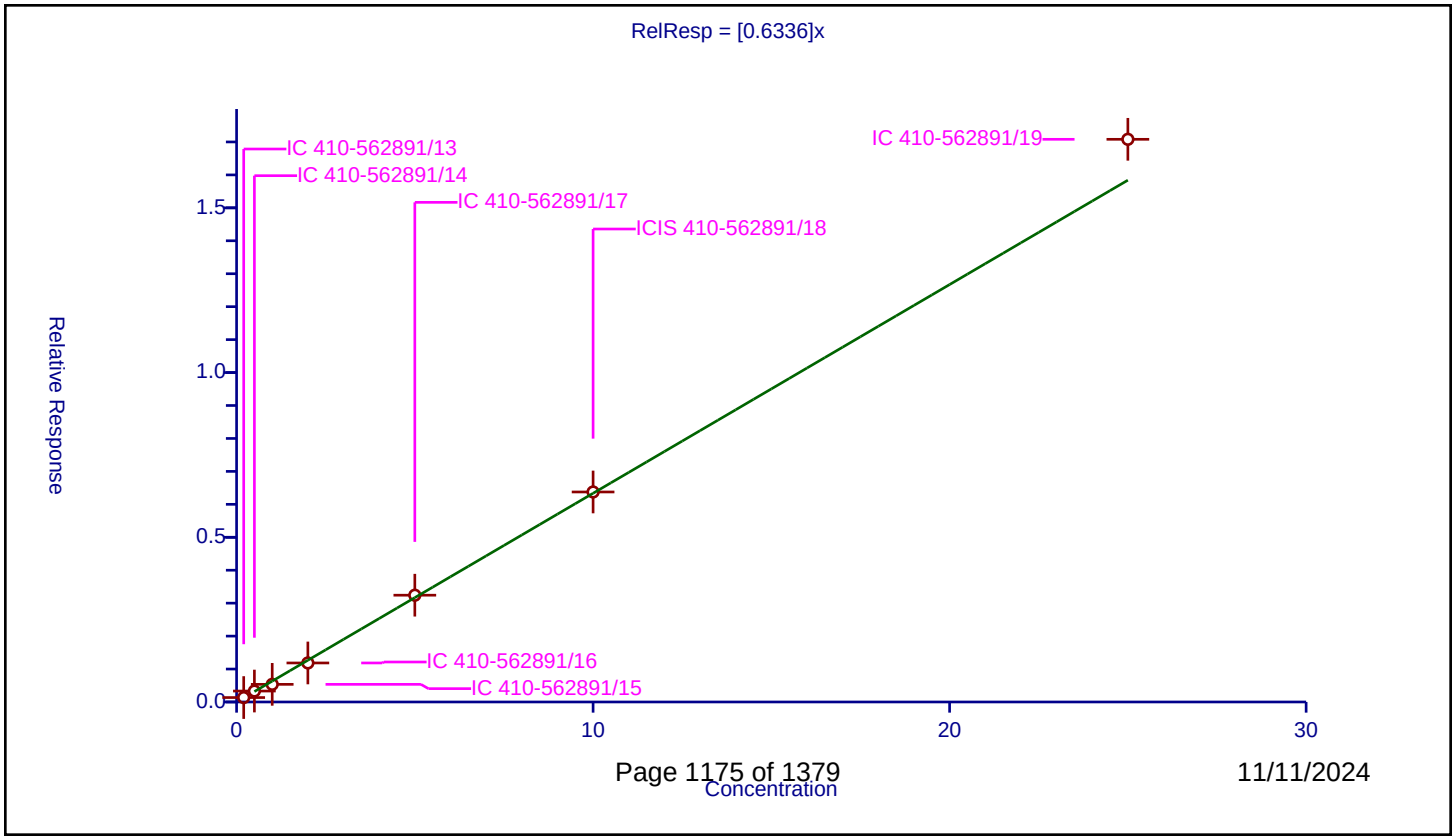
Curve Coefficients

Intercept:	0
Slope:	0.6336

Error Coefficients

Relative Standard Deviation:	8.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.134617	10.0	833699.0	0.673085	Y
2	IC 410-562891/14	0.5	0.332661	10.0	837428.0	0.665323	Y
3	IC 410-562891/15	1.0	0.53517	10.0	834277.0	0.53517	Y
4	IC 410-562891/16	2.0	1.184931	10.0	826048.0	0.592466	Y
5	IC 410-562891/17	5.0	3.241449	10.0	845338.0	0.64829	Y
6	ICIS 410-562891/18	10.0	6.374944	10.0	846649.0	0.637494	Y
7	IC 410-562891/19	25.0	17.080079	10.0	878058.0	0.683203	Y



Calibration / trans-1,4-Dichloro-2-butene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

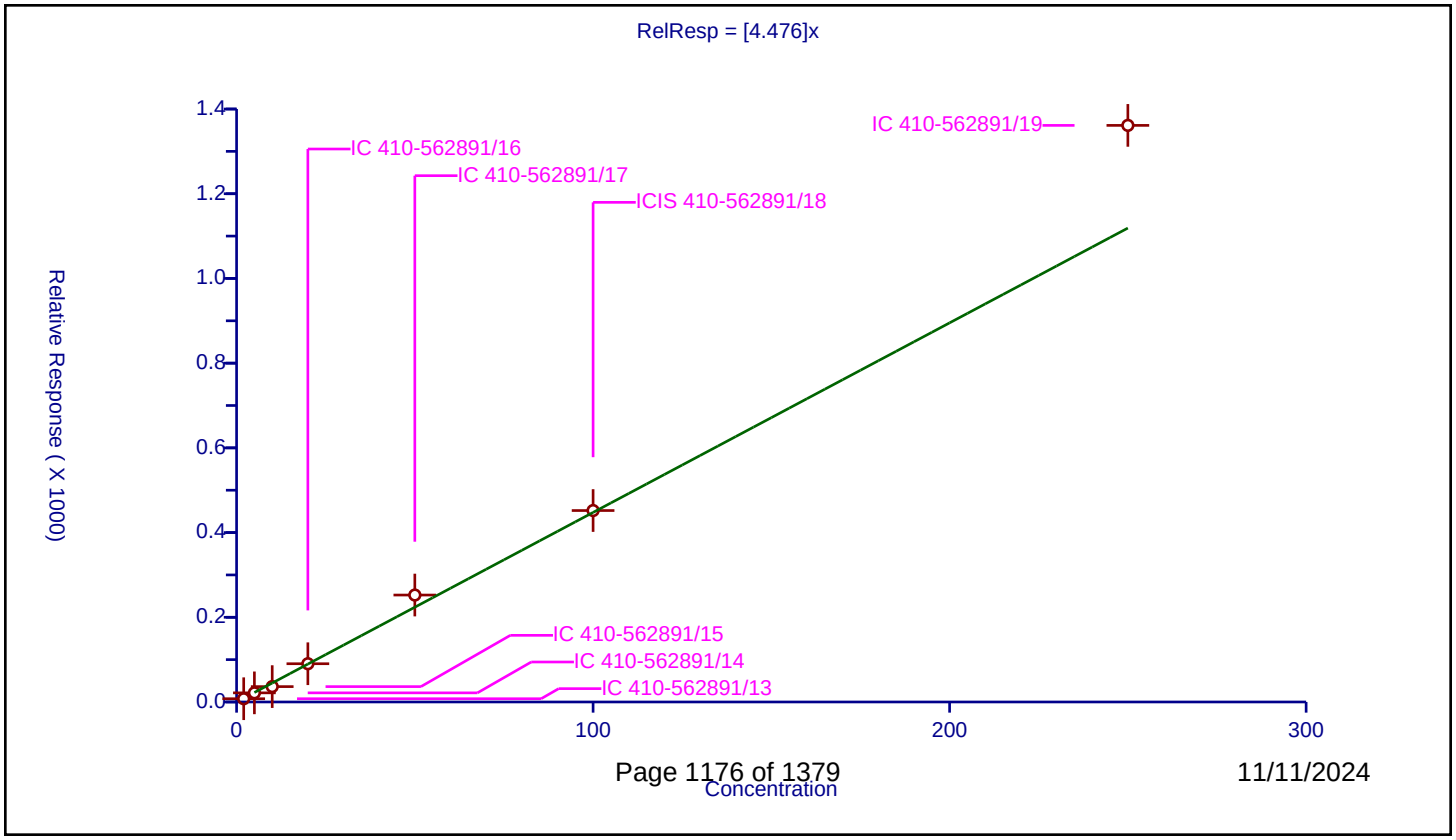
Curve Coefficients

Intercept:	0
Slope:	4.476

Error Coefficients

Relative Standard Deviation:	14.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	2.0	7.698181	50.0	89716.0	3.84909	Y
2	IC 410-562891/14	5.0	21.588824	50.0	93201.0	4.317765	Y
3	IC 410-562891/15	10.0	36.302572	50.0	100267.0	3.630257	Y
4	IC 410-562891/16	20.0	90.328942	50.0	93056.0	4.516447	Y
5	IC 410-562891/17	50.0	252.49413	50.0	95404.0	5.049883	Y
6	ICIS 410-562891/18	100.0	452.001654	50.0	108835.0	4.520017	Y
7	IC 410-562891/19	250.0	1361.360486	50.0	94503.0	5.445442	Y



Calibration / 1,2,3-Trichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

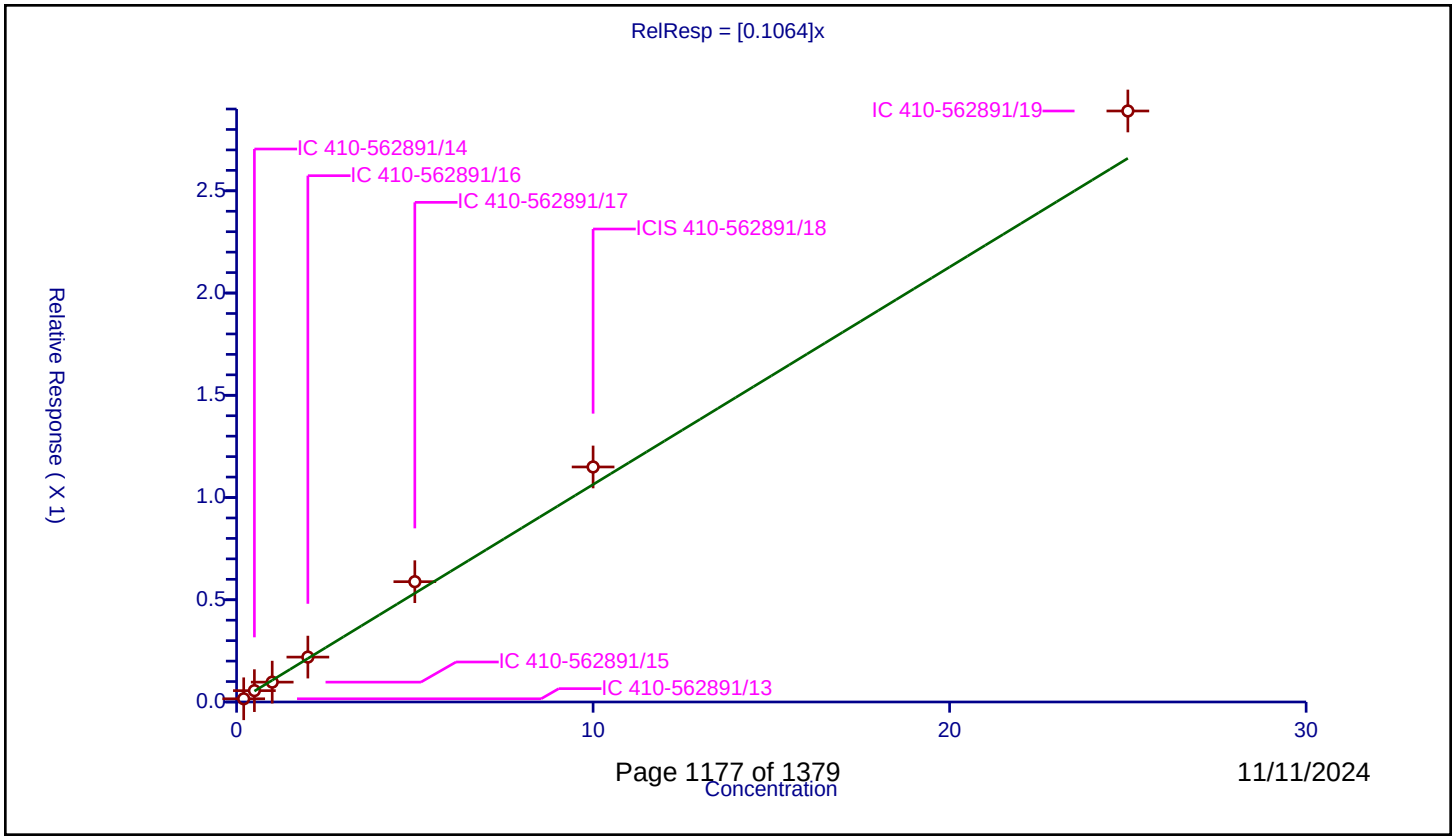
Curve Coefficients

Intercept:	0
Slope:	0.1064

Error Coefficients

Relative Standard Deviation:	13.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.015677	10.0	833699.0	0.078386	Y
2	IC 410-562891/14	0.5	0.055515	10.0	837428.0	0.11103	Y
3	IC 410-562891/15	1.0	0.097102	10.0	834277.0	0.097102	Y
4	IC 410-562891/16	2.0	0.219539	10.0	826048.0	0.10977	Y
5	IC 410-562891/17	5.0	0.588345	10.0	845338.0	0.117669	Y
6	ICIS 410-562891/18	10.0	1.14939	10.0	846649.0	0.114939	Y
7	IC 410-562891/19	25.0	2.890333	10.0	878058.0	0.115613	Y



Calibration / N-Propylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

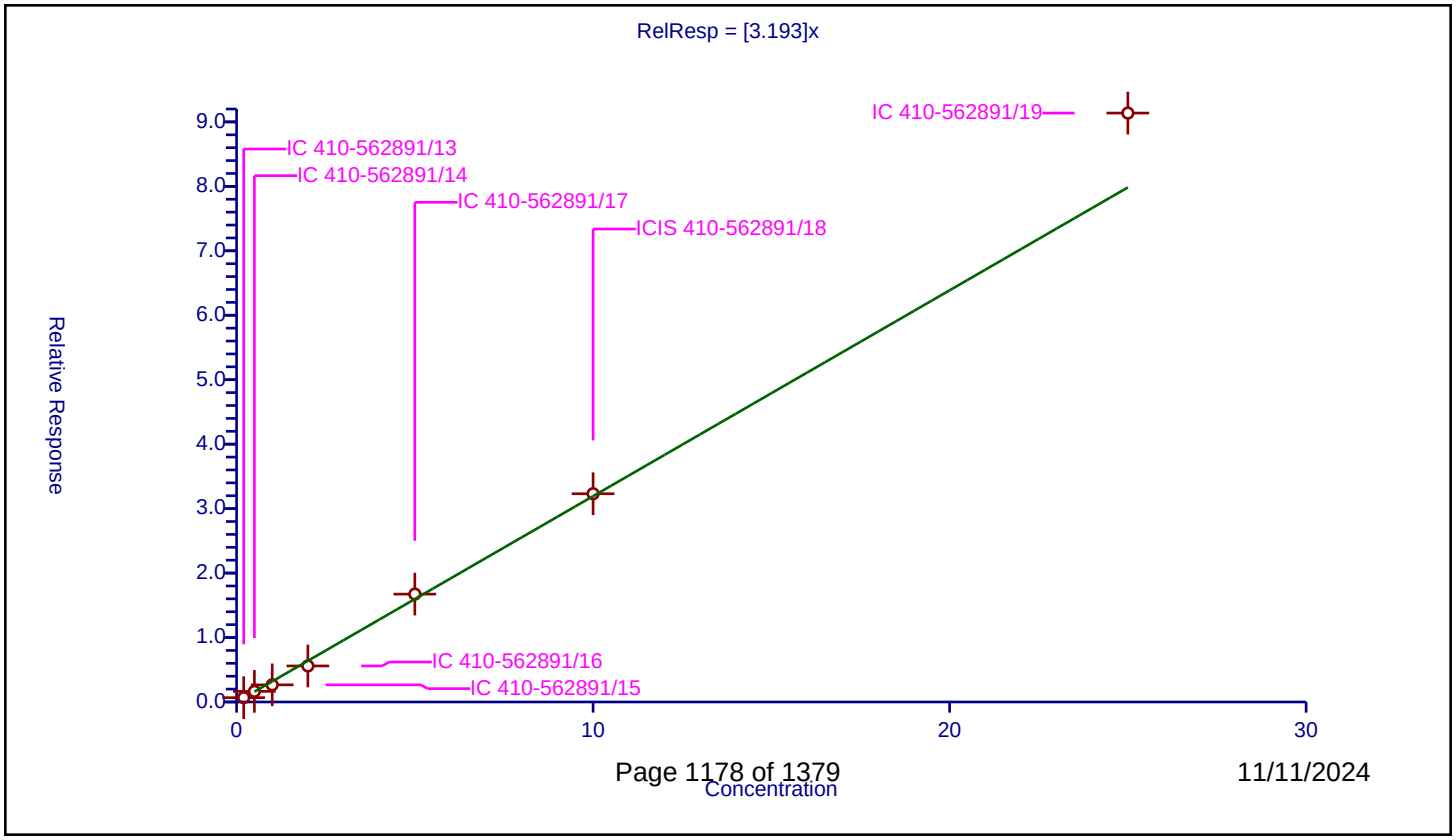
Curve Coefficients

Intercept:	0
Slope:	3.193

Error Coefficients

Relative Standard Deviation:	10.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.672989	10.0	833699.0	3.364943	Y
2	IC 410-562891/14	0.5	1.650339	10.0	837428.0	3.300678	Y
3	IC 410-562891/15	1.0	2.660232	10.0	834277.0	2.660232	Y
4	IC 410-562891/16	2.0	5.590547	10.0	826048.0	2.795273	Y
5	IC 410-562891/17	5.0	16.737139	10.0	845338.0	3.347428	Y
6	ICIS 410-562891/18	10.0	32.310851	10.0	846649.0	3.231085	Y
7	IC 410-562891/19	25.0	91.37057	10.0	878058.0	3.654823	Y



Calibration / 2-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

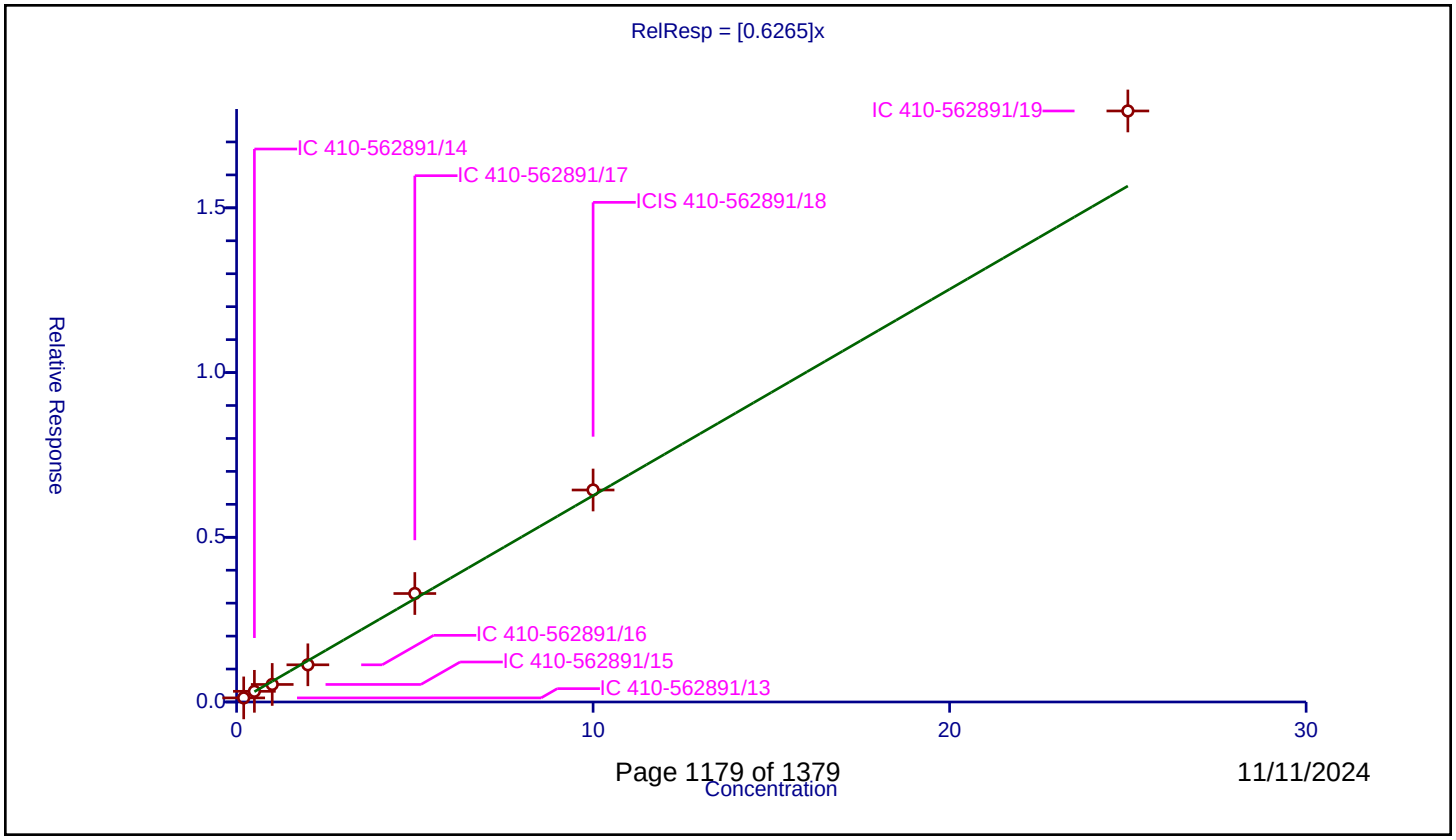
Curve Coefficients

Intercept:	0
Slope:	0.6265

Error Coefficients

Relative Standard Deviation:	9.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.124062	10.0	833699.0	0.620308	Y
2	IC 410-562891/14	0.5	0.32435	10.0	837428.0	0.648701	Y
3	IC 410-562891/15	1.0	0.532233	10.0	834277.0	0.532233	Y
4	IC 410-562891/16	2.0	1.129014	10.0	826048.0	0.564507	Y
5	IC 410-562891/17	5.0	3.292174	10.0	845338.0	0.658435	Y
6	ICIS 410-562891/18	10.0	6.435311	10.0	846649.0	0.643531	Y
7	IC 410-562891/19	25.0	17.94058	10.0	878058.0	0.717623	Y



Calibration / 1,3,5-Trimethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

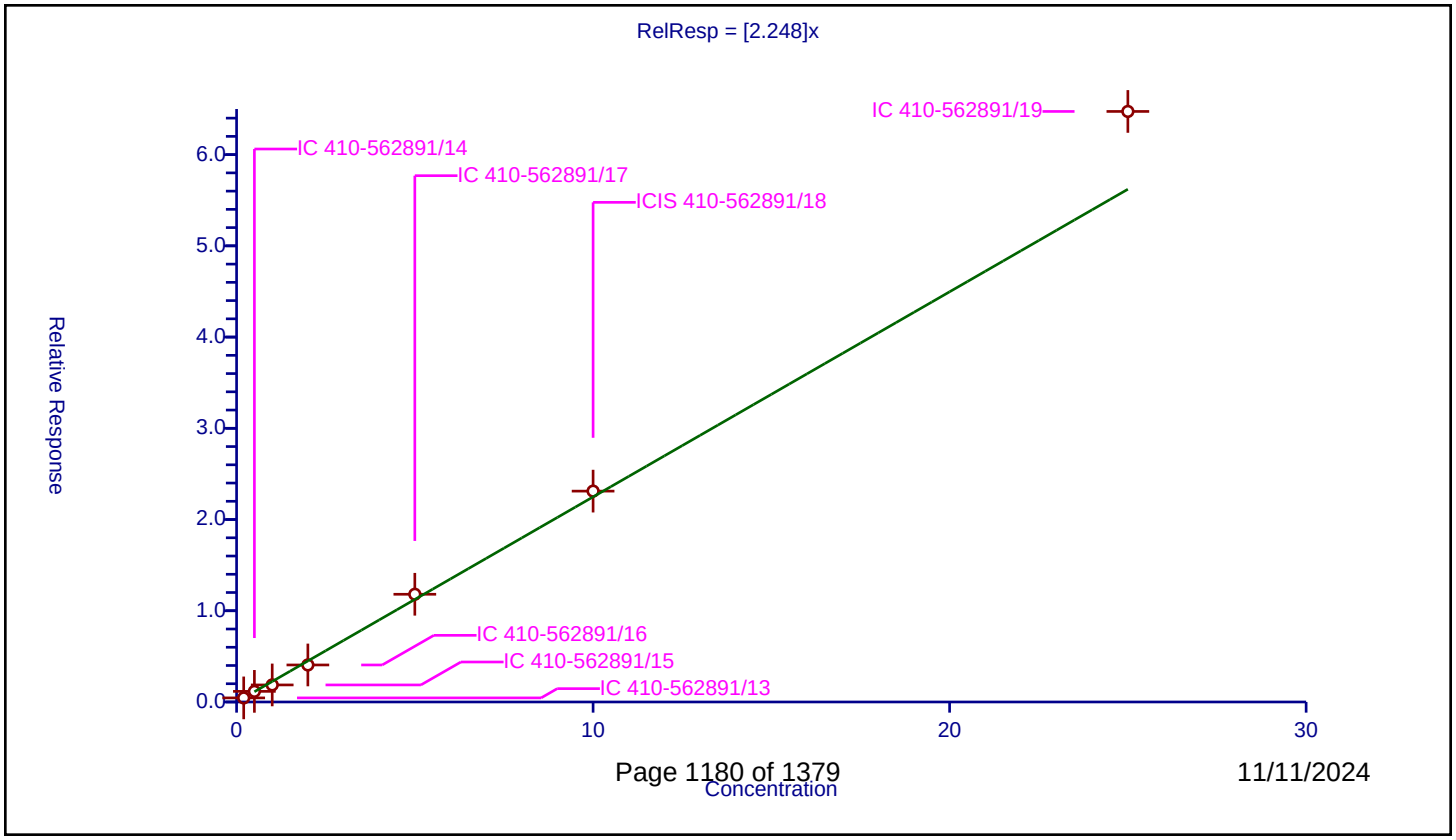
Curve Coefficients

Intercept:	0
Slope:	2.248

Error Coefficients

Relative Standard Deviation:	10.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.448795	10.0	833699.0	2.243975	Y
2	IC 410-562891/14	0.5	1.165557	10.0	837428.0	2.331114	Y
3	IC 410-562891/15	1.0	1.870338	10.0	834277.0	1.870338	Y
4	IC 410-562891/16	2.0	4.059401	10.0	826048.0	2.0297	Y
5	IC 410-562891/17	5.0	11.807218	10.0	845338.0	2.361444	Y
6	ICIS 410-562891/18	10.0	23.114148	10.0	846649.0	2.311415	Y
7	IC 410-562891/19	25.0	64.734129	10.0	878058.0	2.589365	Y



Calibration / 4-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

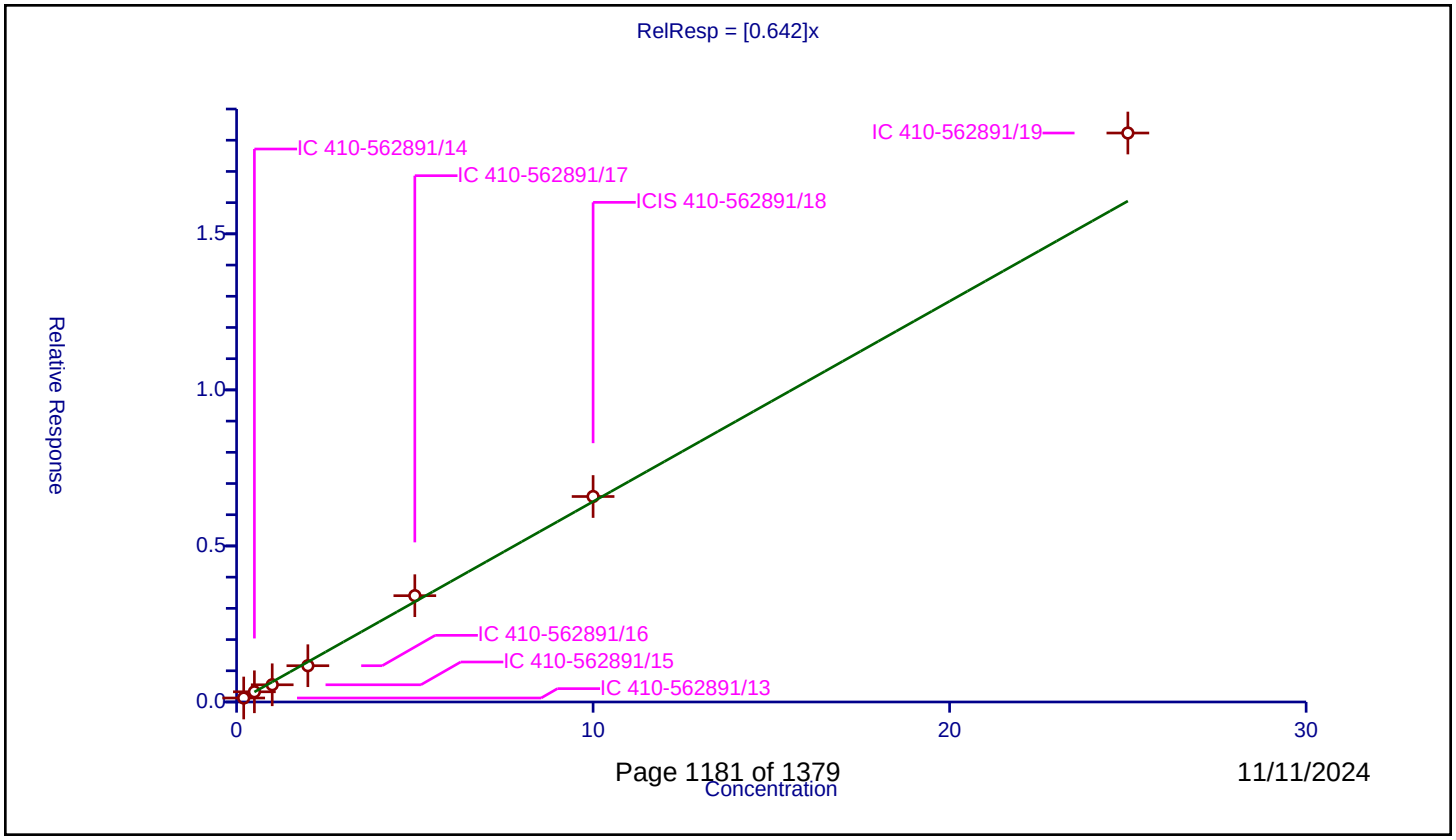
Curve Coefficients

Intercept:	0
Slope:	0.642

Error Coefficients

Relative Standard Deviation:	9.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.12784	10.0	833699.0	0.6392	Y
2	IC 410-562891/14	0.5	0.326965	10.0	837428.0	0.653931	Y
3	IC 410-562891/15	1.0	0.551268	10.0	834277.0	0.551268	Y
4	IC 410-562891/16	2.0	1.162233	10.0	826048.0	0.581116	Y
5	IC 410-562891/17	5.0	3.405868	10.0	845338.0	0.681174	Y
6	ICIS 410-562891/18	10.0	6.584086	10.0	846649.0	0.658409	Y
7	IC 410-562891/19	25.0	18.231005	10.0	878058.0	0.72924	Y



Calibration / tert-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

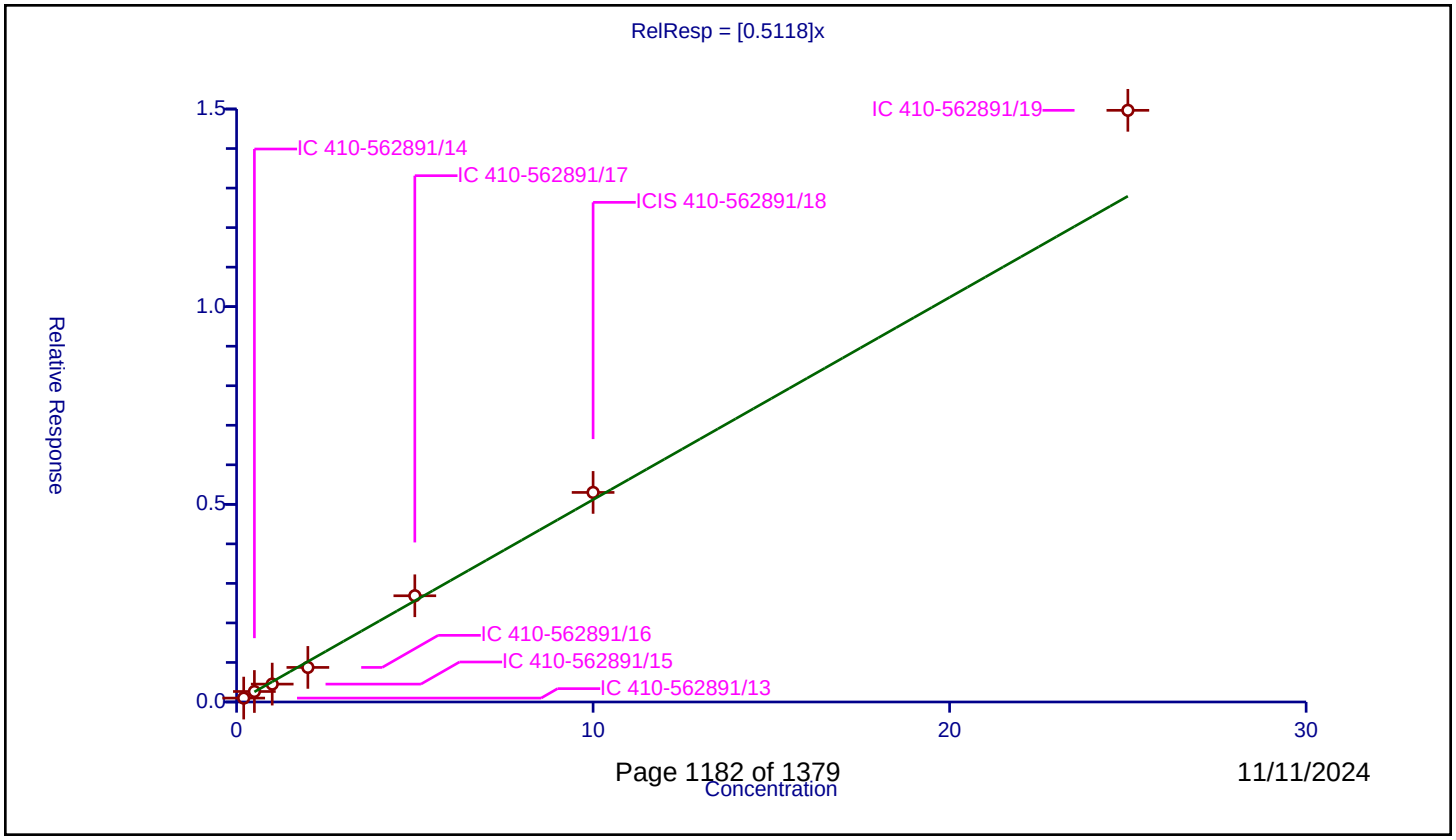
Curve Coefficients

Intercept:	0
Slope:	0.5118

Error Coefficients

Relative Standard Deviation:	10.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.099113	10.0	833699.0	0.495563	Y
2	IC 410-562891/14	0.5	0.265503	10.0	837428.0	0.531007	Y
3	IC 410-562891/15	1.0	0.452548	10.0	834277.0	0.452548	Y
4	IC 410-562891/16	2.0	0.874465	10.0	826048.0	0.437232	Y
5	IC 410-562891/17	5.0	2.687162	10.0	845338.0	0.537432	Y
6	ICIS 410-562891/18	10.0	5.301134	10.0	846649.0	0.530113	Y
7	IC 410-562891/19	25.0	14.967109	10.0	878058.0	0.598684	Y



Calibration / Pentachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

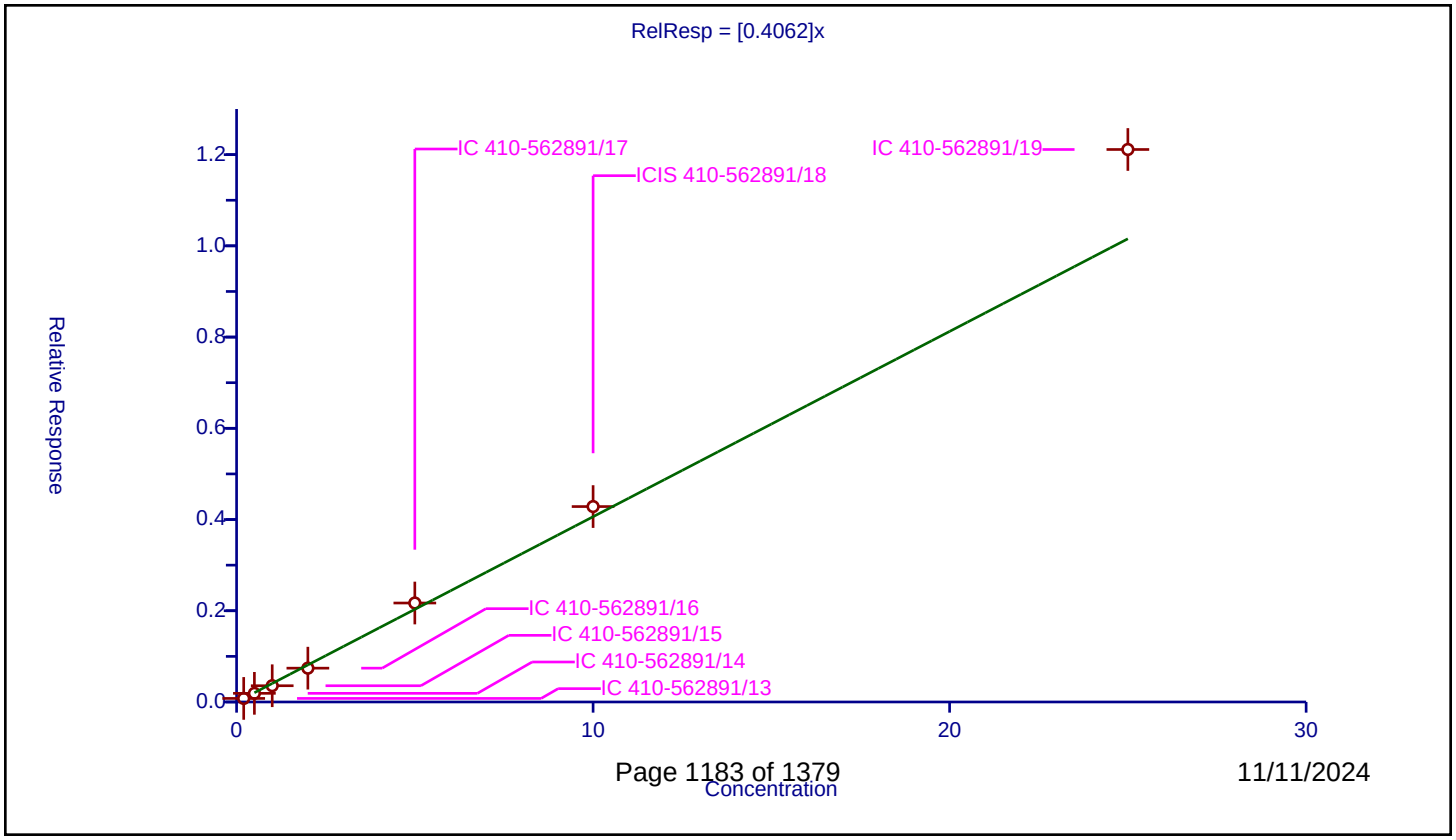
Curve Coefficients

Intercept:	0
Slope:	0.4062

Error Coefficients

Relative Standard Deviation:	11.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.078002	10.0	833699.0	0.390009	Y
2	IC 410-562891/14	0.5	0.189497	10.0	837428.0	0.378994	Y
3	IC 410-562891/15	1.0	0.3565	10.0	834277.0	0.3565	Y
4	IC 410-562891/16	2.0	0.741858	10.0	826048.0	0.370929	Y
5	IC 410-562891/17	5.0	2.169937	10.0	845338.0	0.433987	Y
6	ICIS 410-562891/18	10.0	4.284396	10.0	846649.0	0.42844	Y
7	IC 410-562891/19	25.0	12.112355	10.0	878058.0	0.484494	Y



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Calibration / 1,2,4-Trimethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

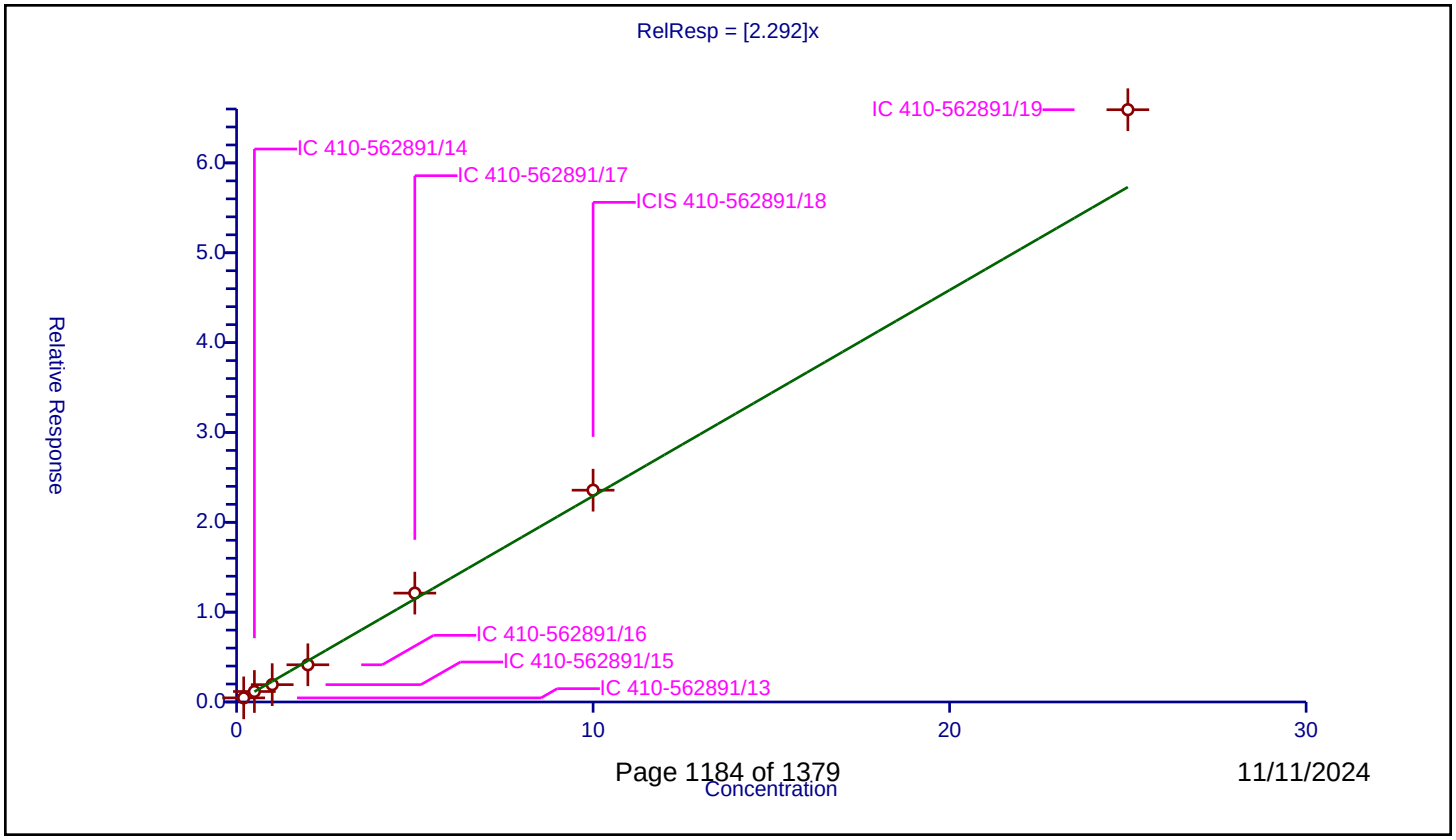
Curve Coefficients

Intercept:	0
Slope:	2.292

Error Coefficients

Relative Standard Deviation:	10.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.457887	10.0	833699.0	2.289435	Y
2	IC 410-562891/14	0.5	1.16939	10.0	837428.0	2.33878	Y
3	IC 410-562891/15	1.0	1.929719	10.0	834277.0	1.929719	Y
4	IC 410-562891/16	2.0	4.141902	10.0	826048.0	2.070951	Y
5	IC 410-562891/17	5.0	12.116443	10.0	845338.0	2.423289	Y
6	ICIS 410-562891/18	10.0	23.574917	10.0	846649.0	2.357492	Y
7	IC 410-562891/19	25.0	65.922217	10.0	878058.0	2.636889	Y



Calibration / sec-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

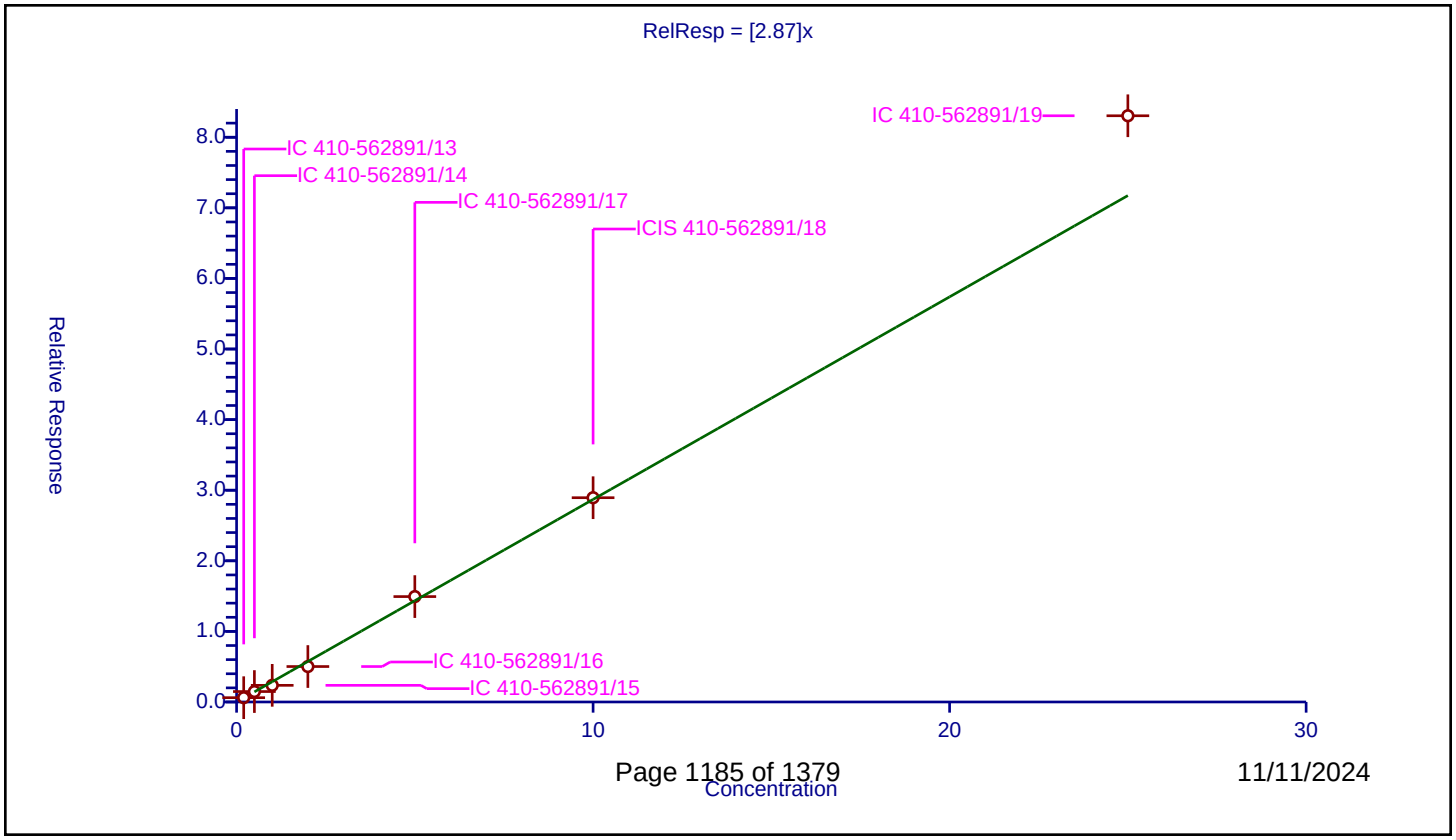
Curve Coefficients

Intercept:	0
Slope:	2.87

Error Coefficients

Relative Standard Deviation:	11.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.611864	10.0	833699.0	3.059318	Y
2	IC 410-562891/14	0.5	1.477357	10.0	837428.0	2.954714	Y
3	IC 410-562891/15	1.0	2.360199	10.0	834277.0	2.360199	Y
4	IC 410-562891/16	2.0	5.021791	10.0	826048.0	2.510895	Y
5	IC 410-562891/17	5.0	14.930868	10.0	845338.0	2.986174	Y
6	ICIS 410-562891/18	10.0	28.936289	10.0	846649.0	2.893629	Y
7	IC 410-562891/19	25.0	83.04489	10.0	878058.0	3.321796	Y



Calibration / 1,3-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

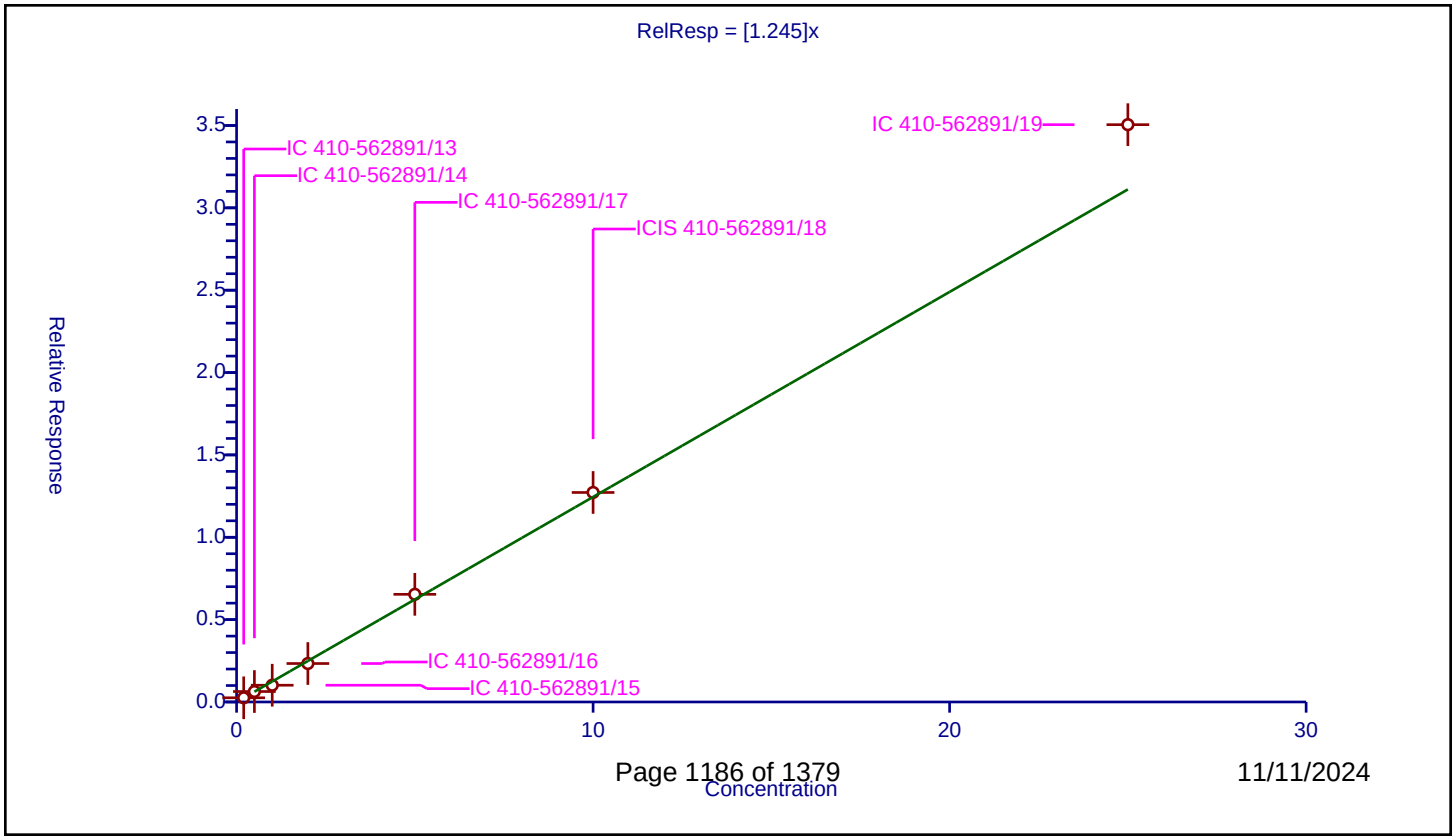
Curve Coefficients

Intercept:	0
Slope:	1.245

Error Coefficients

Relative Standard Deviation:	9.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.255008	10.0	833699.0	1.275041	Y
2	IC 410-562891/14	0.5	0.635732	10.0	837428.0	1.271465	Y
3	IC 410-562891/15	1.0	1.017767	10.0	834277.0	1.017767	Y
4	IC 410-562891/16	2.0	2.335554	10.0	826048.0	1.167777	Y
5	IC 410-562891/17	5.0	6.537314	10.0	845338.0	1.307463	Y
6	ICIS 410-562891/18	10.0	12.719179	10.0	846649.0	1.271918	Y
7	IC 410-562891/19	25.0	35.050099	10.0	878058.0	1.402004	Y



Calibration / 4-Isopropyltoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

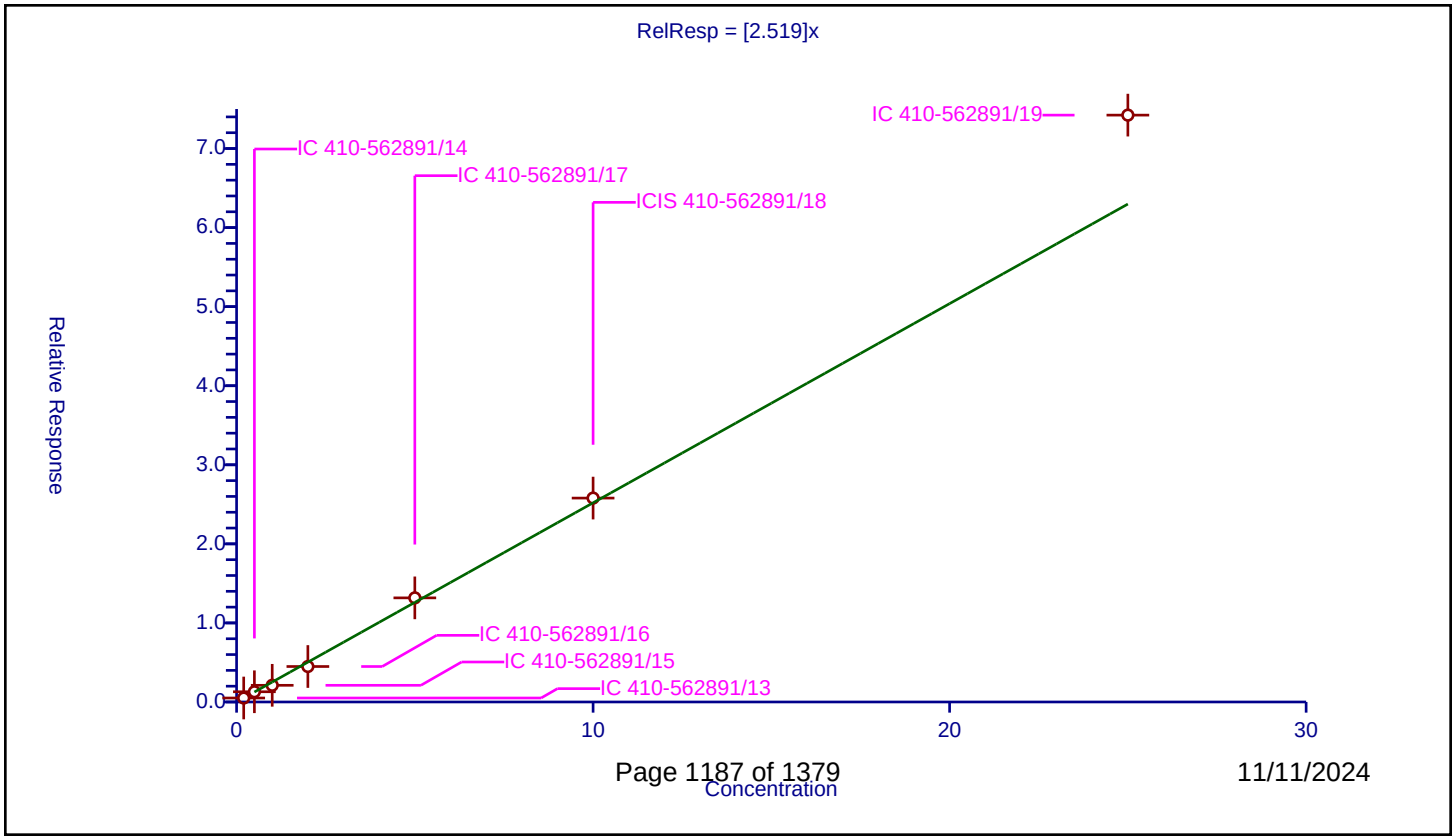
Curve Coefficients

Intercept:	0
Slope:	2.519

Error Coefficients

Relative Standard Deviation:	11.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.502735	10.0	833699.0	2.513677	Y
2	IC 410-562891/14	0.5	1.292087	10.0	837428.0	2.584174	Y
3	IC 410-562891/15	1.0	2.110438	10.0	834277.0	2.110438	Y
4	IC 410-562891/16	2.0	4.488347	10.0	826048.0	2.244173	Y
5	IC 410-562891/17	5.0	13.168129	10.0	845338.0	2.633626	Y
6	ICIS 410-562891/18	10.0	25.791278	10.0	846649.0	2.579128	Y
7	IC 410-562891/19	25.0	74.228525	10.0	878058.0	2.969141	Y



Calibration / 1,4-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

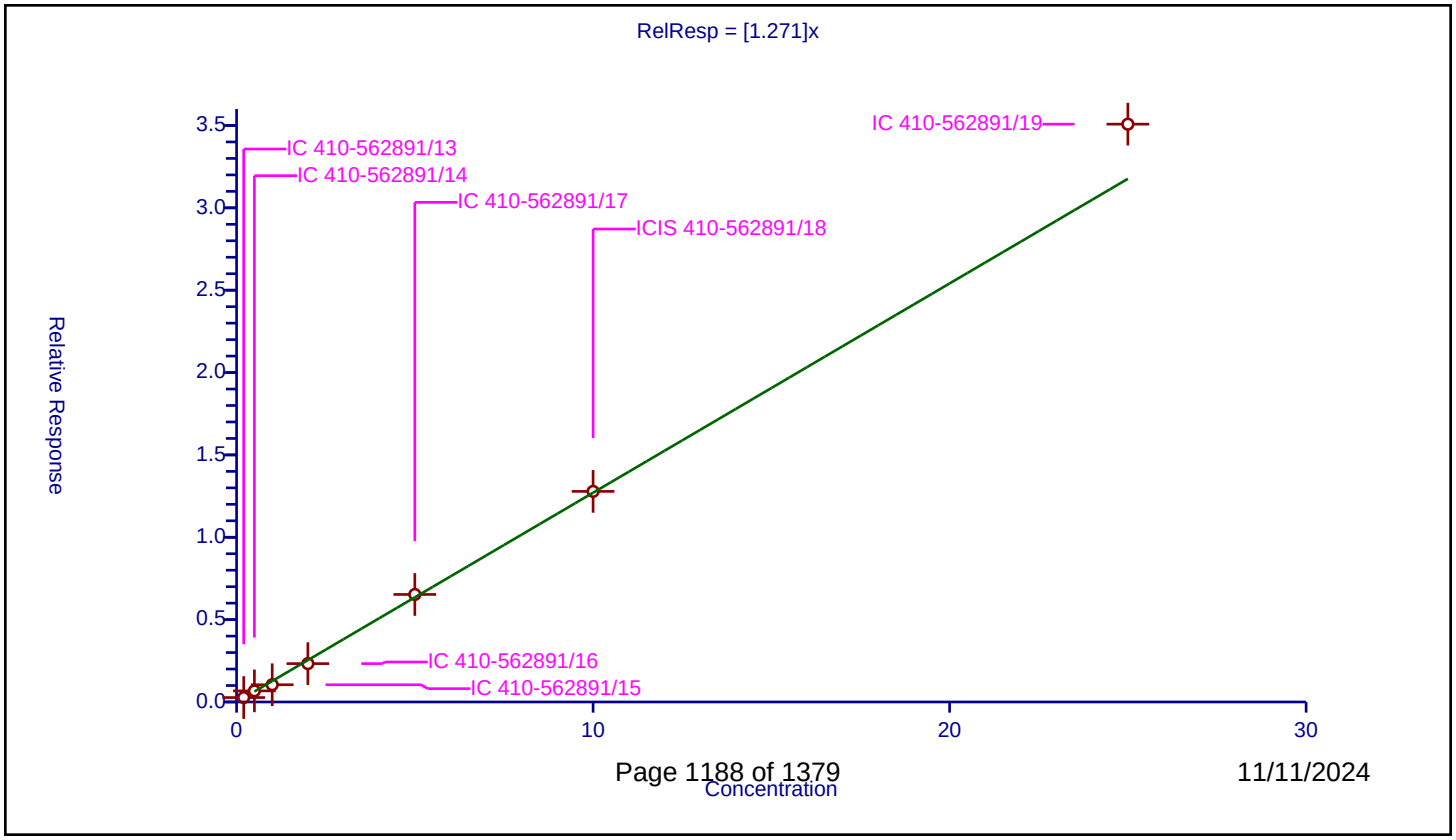
Curve Coefficients

Intercept:	0
Slope:	1.271

Error Coefficients

Relative Standard Deviation:	9.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.269366	10.0	833699.0	1.346829	Y
2	IC 410-562891/14	0.5	0.67361	10.0	837428.0	1.34722	Y
3	IC 410-562891/15	1.0	1.04729	10.0	834277.0	1.04729	Y
4	IC 410-562891/16	2.0	2.329465	10.0	826048.0	1.164733	Y
5	IC 410-562891/17	5.0	6.528063	10.0	845338.0	1.305613	Y
6	ICIS 410-562891/18	10.0	12.786515	10.0	846649.0	1.278651	Y
7	IC 410-562891/19	25.0	35.080017	10.0	878058.0	1.403201	Y



Calibration / 1,2,3-Trimethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

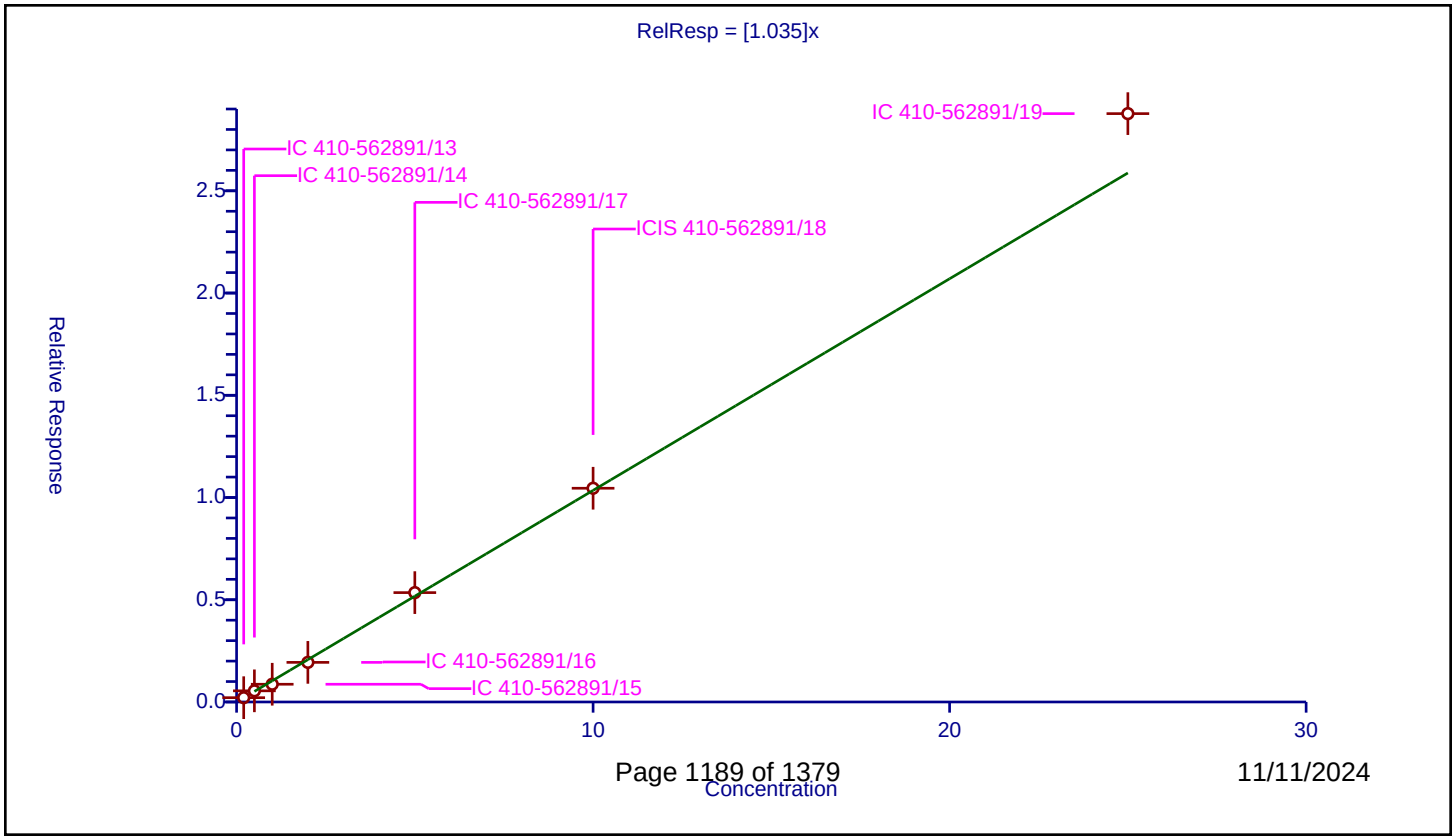
Curve Coefficients

Intercept:	0
Slope:	1.035

Error Coefficients

Relative Standard Deviation:	8.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.210076	10.0	833699.0	1.050379	Y
2	IC 410-562891/14	0.5	0.545671	10.0	837428.0	1.091342	Y
3	IC 410-562891/15	1.0	0.868057	10.0	834277.0	0.868057	Y
4	IC 410-562891/16	2.0	1.937127	10.0	826048.0	0.968564	Y
5	IC 410-562891/17	5.0	5.348642	10.0	845338.0	1.069728	Y
6	ICIS 410-562891/18	10.0	10.453848	10.0	846649.0	1.045385	Y
7	IC 410-562891/19	25.0	28.77425	10.0	878058.0	1.15097	Y



Calibration / Benzyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

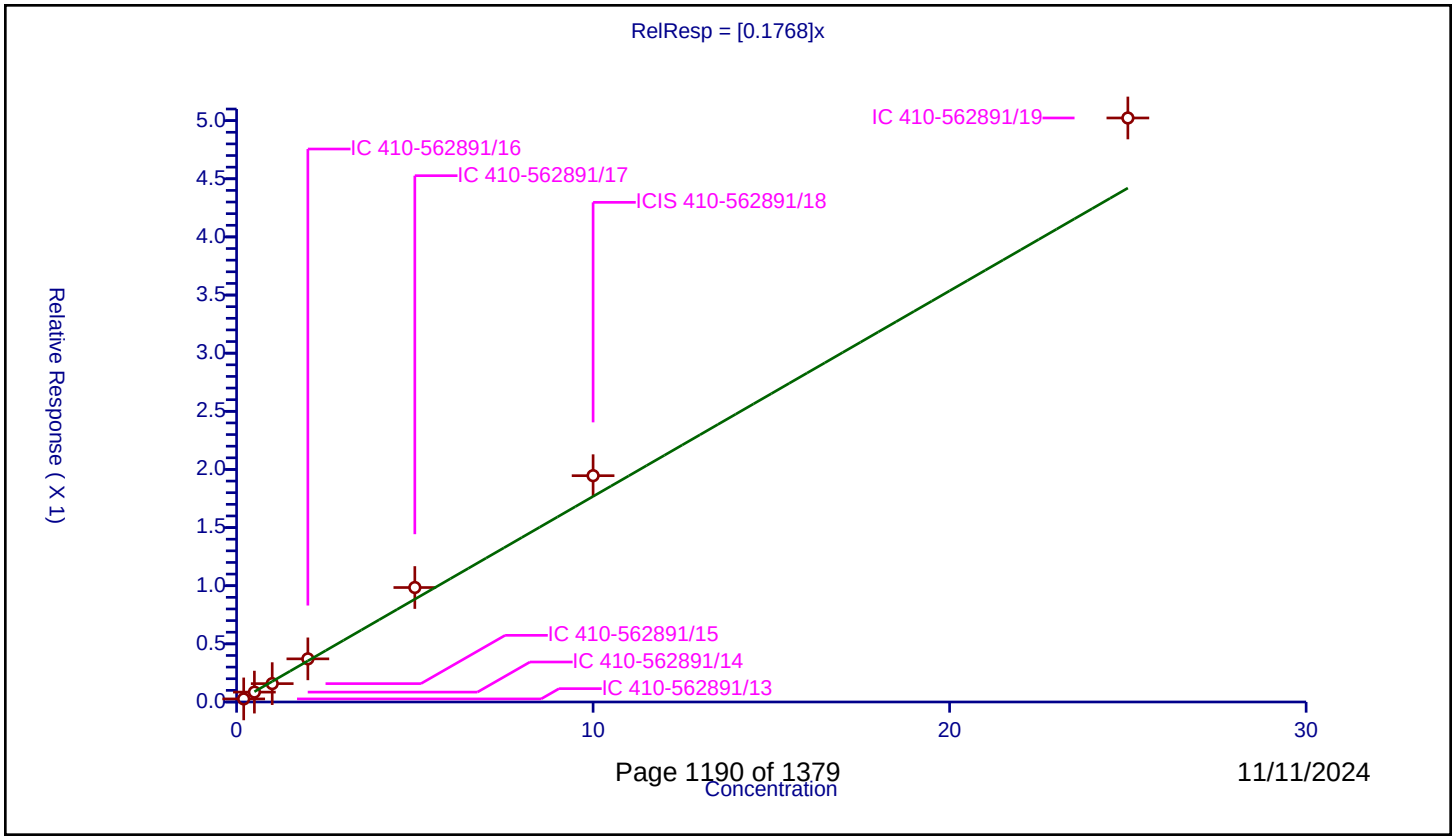
Curve Coefficients

Intercept:	0
Slope:	0.1768

Error Coefficients

Relative Standard Deviation:	14.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.026376	10.0	833699.0	0.131882	Y
2	IC 410-562891/14	0.5	0.084927	10.0	837428.0	0.169853	Y
3	IC 410-562891/15	1.0	0.157921	10.0	834277.0	0.157921	Y
4	IC 410-562891/16	2.0	0.37108	10.0	826048.0	0.18554	Y
5	IC 410-562891/17	5.0	0.984565	10.0	845338.0	0.196913	Y
6	ICIS 410-562891/18	10.0	1.946438	10.0	846649.0	0.194644	Y
7	IC 410-562891/19	25.0	5.022834	10.0	878058.0	0.200913	Y



Calibration / n-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

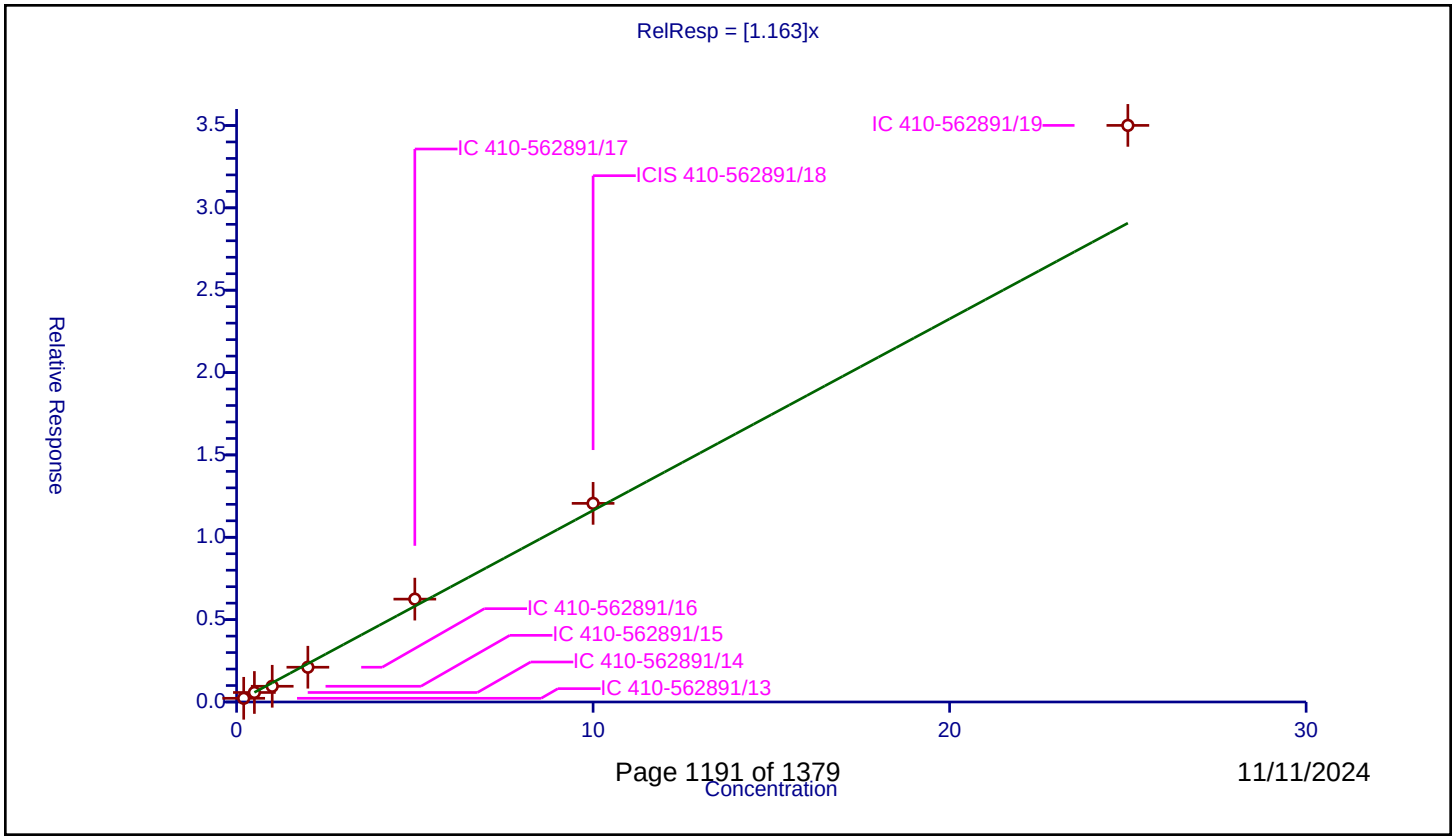
Curve Coefficients

Intercept:	0
Slope:	1.163

Error Coefficients

Relative Standard Deviation:	12.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.224757	10.0	833699.0	1.123787	Y
2	IC 410-562891/14	0.5	0.576515	10.0	837428.0	1.15303	Y
3	IC 410-562891/15	1.0	0.95364	10.0	834277.0	0.95364	Y
4	IC 410-562891/16	2.0	2.109563	10.0	826048.0	1.054781	Y
5	IC 410-562891/17	5.0	6.245194	10.0	845338.0	1.249039	Y
6	ICIS 410-562891/18	10.0	12.058196	10.0	846649.0	1.20582	Y
7	IC 410-562891/19	25.0	35.00607	10.0	878058.0	1.400243	Y



11/11/2024

Calibration / 1,2-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

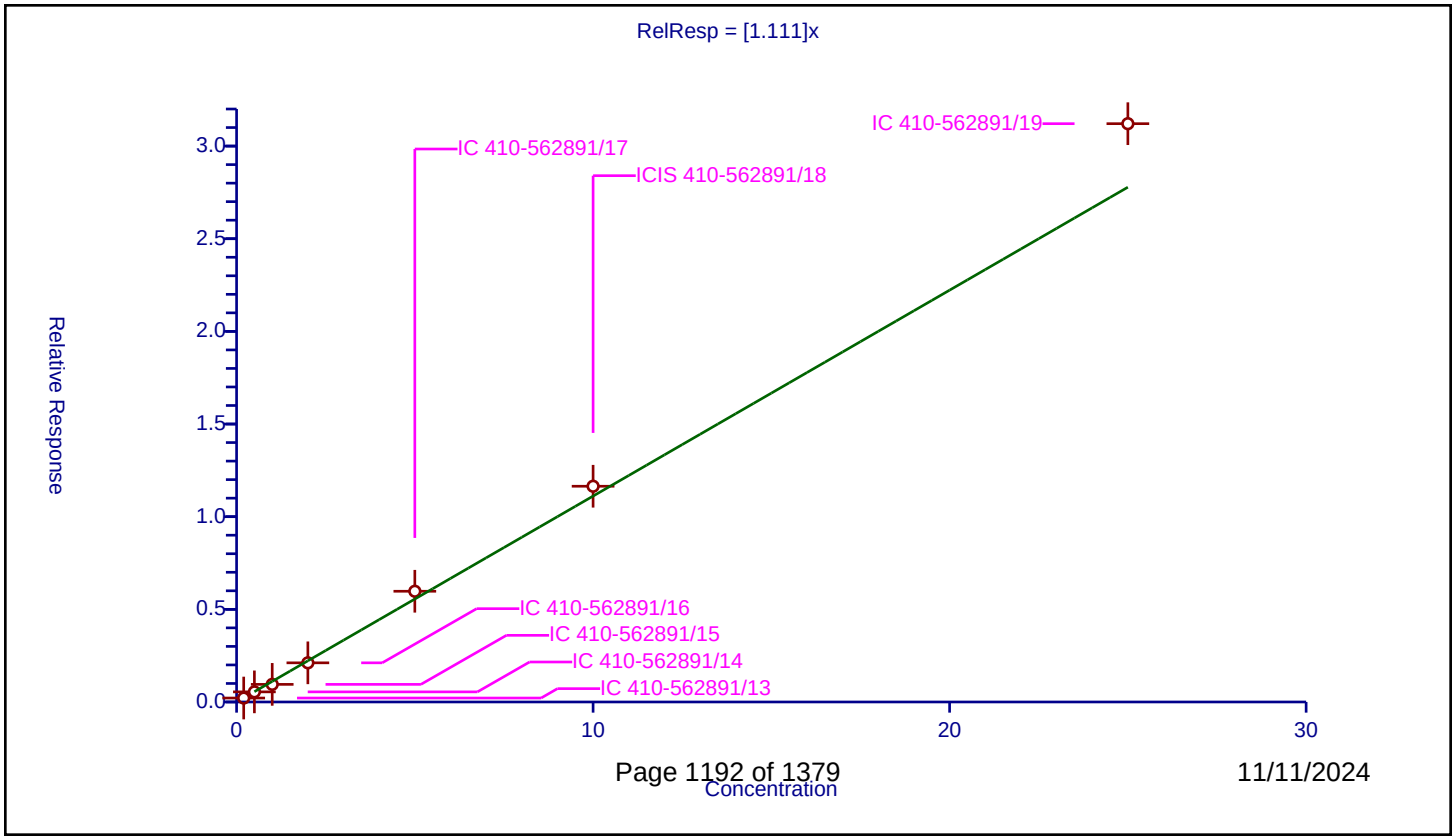
Curve Coefficients

Intercept:	0
Slope:	1.111

Error Coefficients

Relative Standard Deviation:	9.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.214274	10.0	833699.0	1.07137	Y
2	IC 410-562891/14	0.5	0.546256	10.0	837428.0	1.092512	Y
3	IC 410-562891/15	1.0	0.950464	10.0	834277.0	0.950464	Y
4	IC 410-562891/16	2.0	2.112734	10.0	826048.0	1.056367	Y
5	IC 410-562891/17	5.0	5.976189	10.0	845338.0	1.195238	Y
6	ICIS 410-562891/18	10.0	11.642215	10.0	846649.0	1.164222	Y
7	IC 410-562891/19	25.0	31.20844	10.0	878058.0	1.248338	Y



Calibration / 1,2-Dibromo-3-Chloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

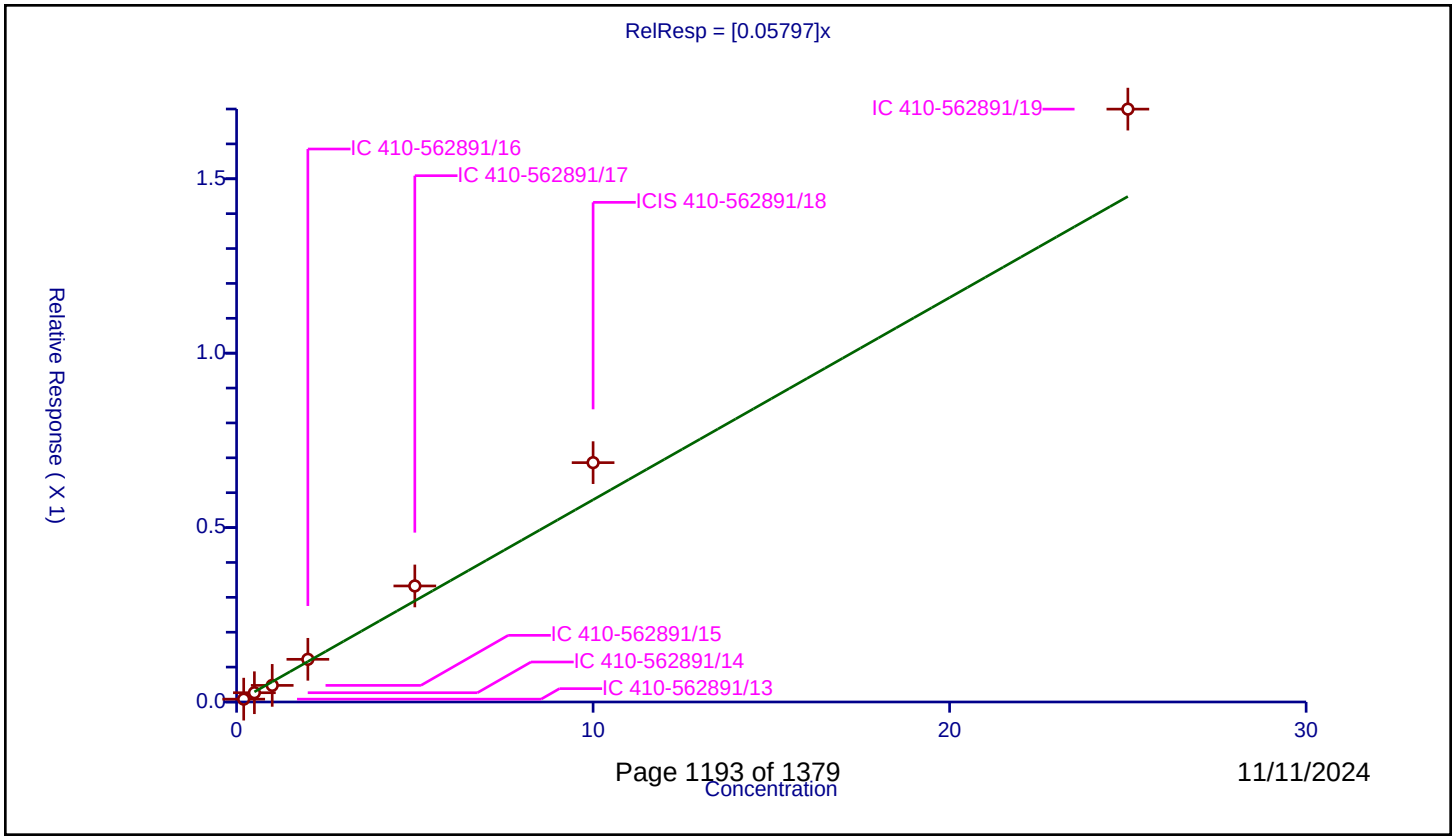
Curve Coefficients

Intercept:	0
Slope:	0.05797

Error Coefficients

Relative Standard Deviation:	19.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.008132	10.0	833699.0	0.040662	Y
2	IC 410-562891/14	0.5	0.026593	10.0	837428.0	0.053187	Y
3	IC 410-562891/15	1.0	0.047622	10.0	834277.0	0.047622	Y
4	IC 410-562891/16	2.0	0.122378	10.0	826048.0	0.061189	Y
5	IC 410-562891/17	5.0	0.33266	10.0	845338.0	0.066532	Y
6	ICIS 410-562891/18	10.0	0.686152	10.0	846649.0	0.068615	Y
7	IC 410-562891/19	25.0	1.699717	10.0	878058.0	0.067989	Y



11/11/2024

Calibration / 1,3,5-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

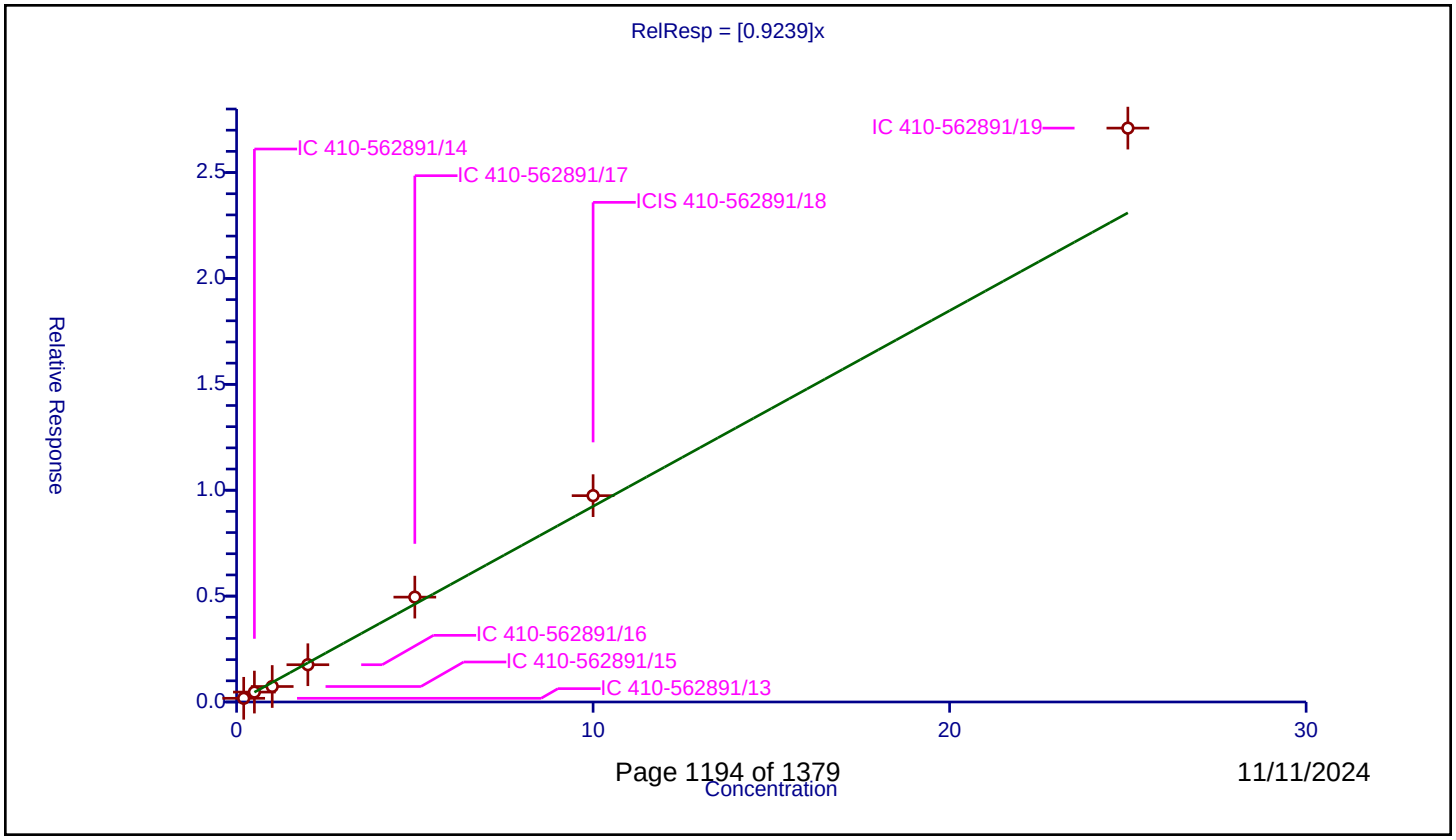
Curve Coefficients

Intercept:	0
Slope:	0.9239

Error Coefficients

Relative Standard Deviation:	12.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.174176	10.0	833699.0	0.870878	Y
2	IC 410-562891/14	0.5	0.468267	10.0	837428.0	0.936534	Y
3	IC 410-562891/15	1.0	0.731352	10.0	834277.0	0.731352	Y
4	IC 410-562891/16	2.0	1.760104	10.0	826048.0	0.880052	Y
5	IC 410-562891/17	5.0	4.95222	10.0	845338.0	0.990444	Y
6	ICIS 410-562891/18	10.0	9.743306	10.0	846649.0	0.974331	Y
7	IC 410-562891/19	25.0	27.098005	10.0	878058.0	1.08392	Y



Calibration / 1,2,4-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

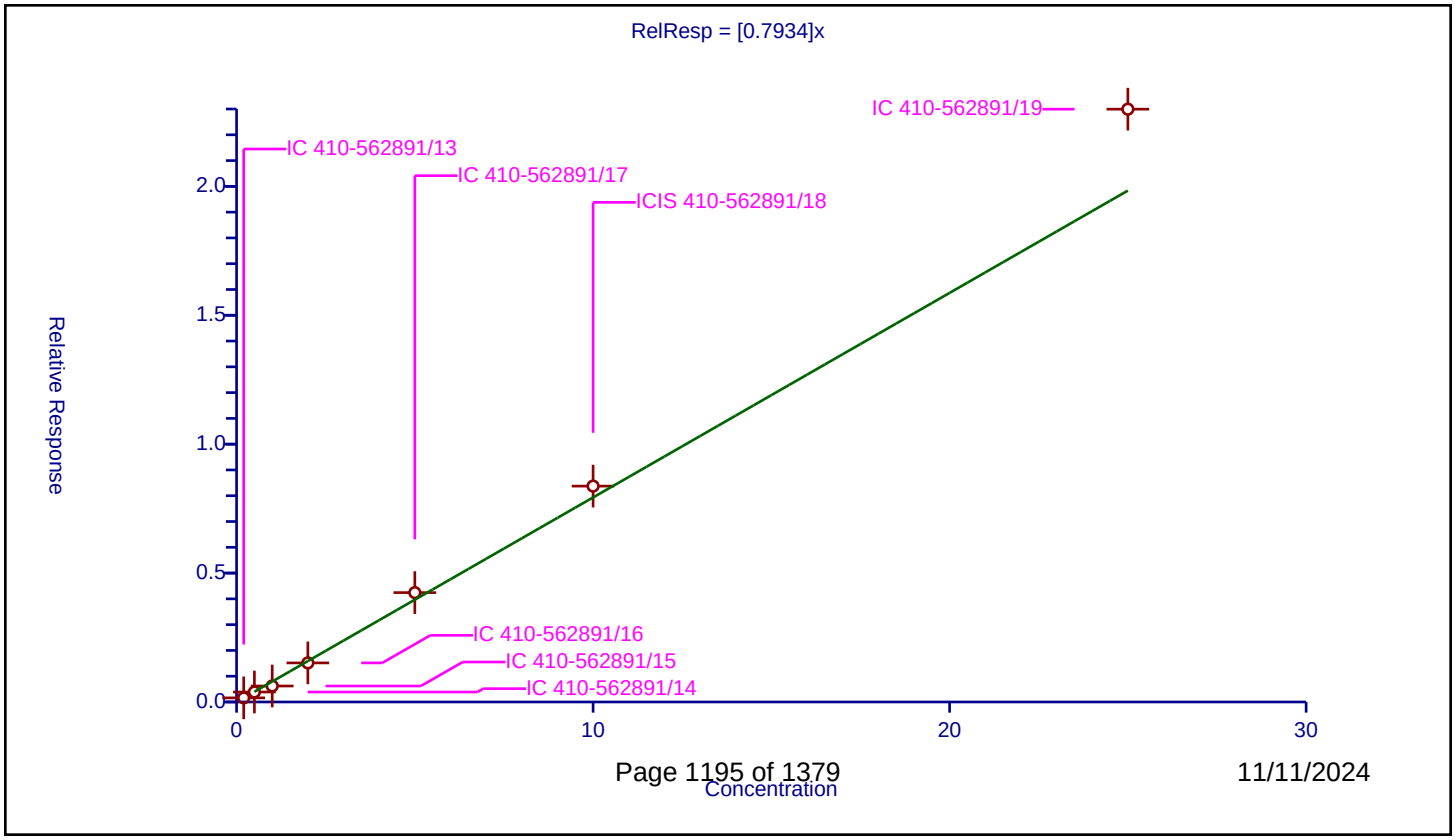
Curve Coefficients

Intercept:	0
Slope:	0.7934

Error Coefficients

Relative Standard Deviation:	11.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.159314	10.0	833699.0	0.79657	Y
2	IC 410-562891/14	0.5	0.386588	10.0	837428.0	0.773177	Y
3	IC 410-562891/15	1.0	0.620525	10.0	834277.0	0.620525	Y
4	IC 410-562891/16	2.0	1.51628	10.0	826048.0	0.75814	Y
5	IC 410-562891/17	5.0	4.241913	10.0	845338.0	0.848383	Y
6	ICIS 410-562891/18	10.0	8.37321	10.0	846649.0	0.837321	Y
7	IC 410-562891/19	25.0	22.993925	10.0	878058.0	0.919757	Y



Calibration / Hexachlorobutadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

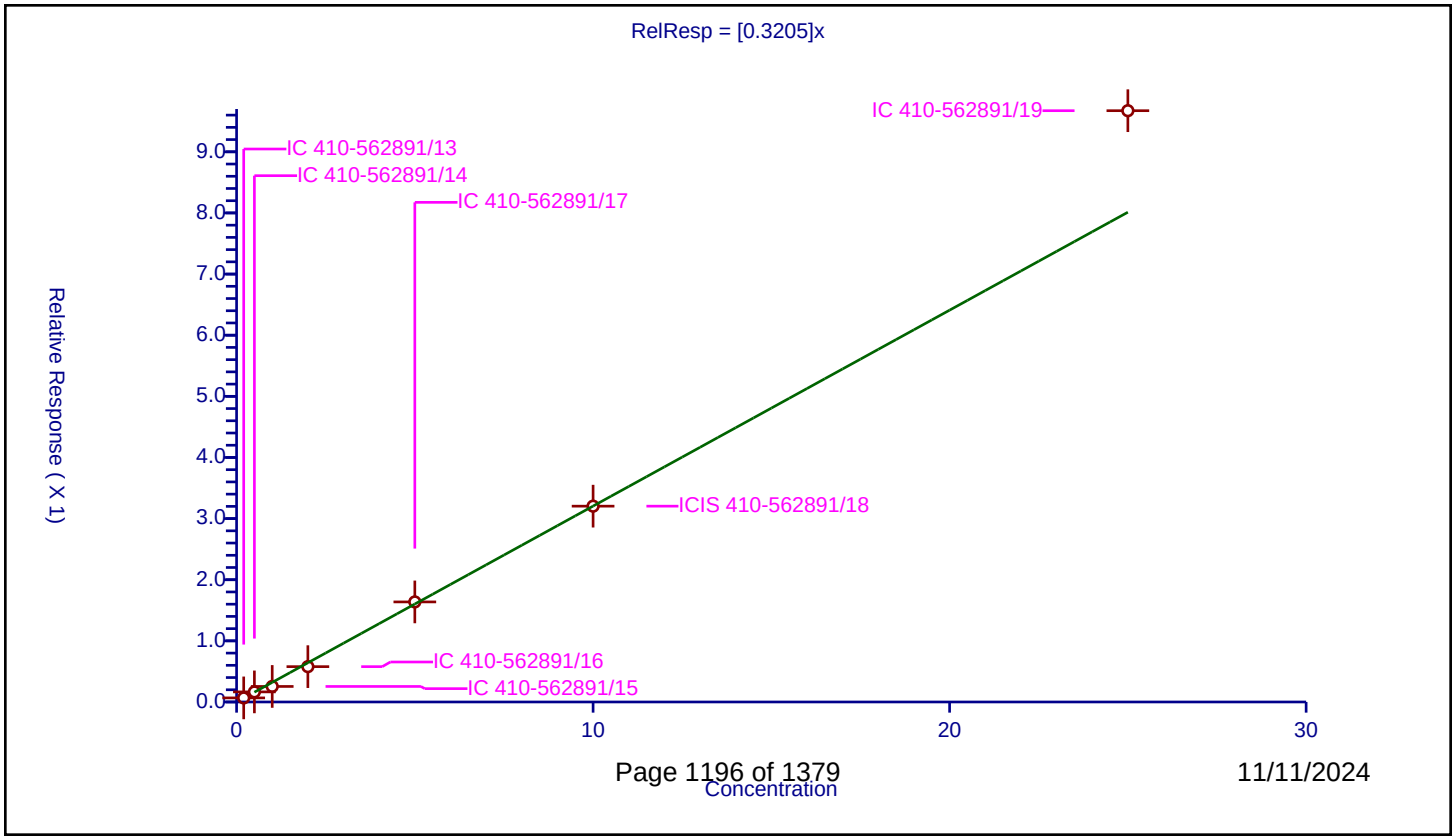
Curve Coefficients

Intercept:	0
Slope:	0.3205

Error Coefficients

Relative Standard Deviation:	12.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.067039	10.0	833699.0	0.335193	Y
2	IC 410-562891/14	0.5	0.165184	10.0	837428.0	0.330369	Y
3	IC 410-562891/15	1.0	0.254136	10.0	834277.0	0.254136	Y
4	IC 410-562891/16	2.0	0.578041	10.0	826048.0	0.289021	Y
5	IC 410-562891/17	5.0	1.636955	10.0	845338.0	0.327391	Y
6	ICIS 410-562891/18	10.0	3.203488	10.0	846649.0	0.320349	Y
7	IC 410-562891/19	25.0	9.672368	10.0	878058.0	0.386895	Y



Calibration / Naphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

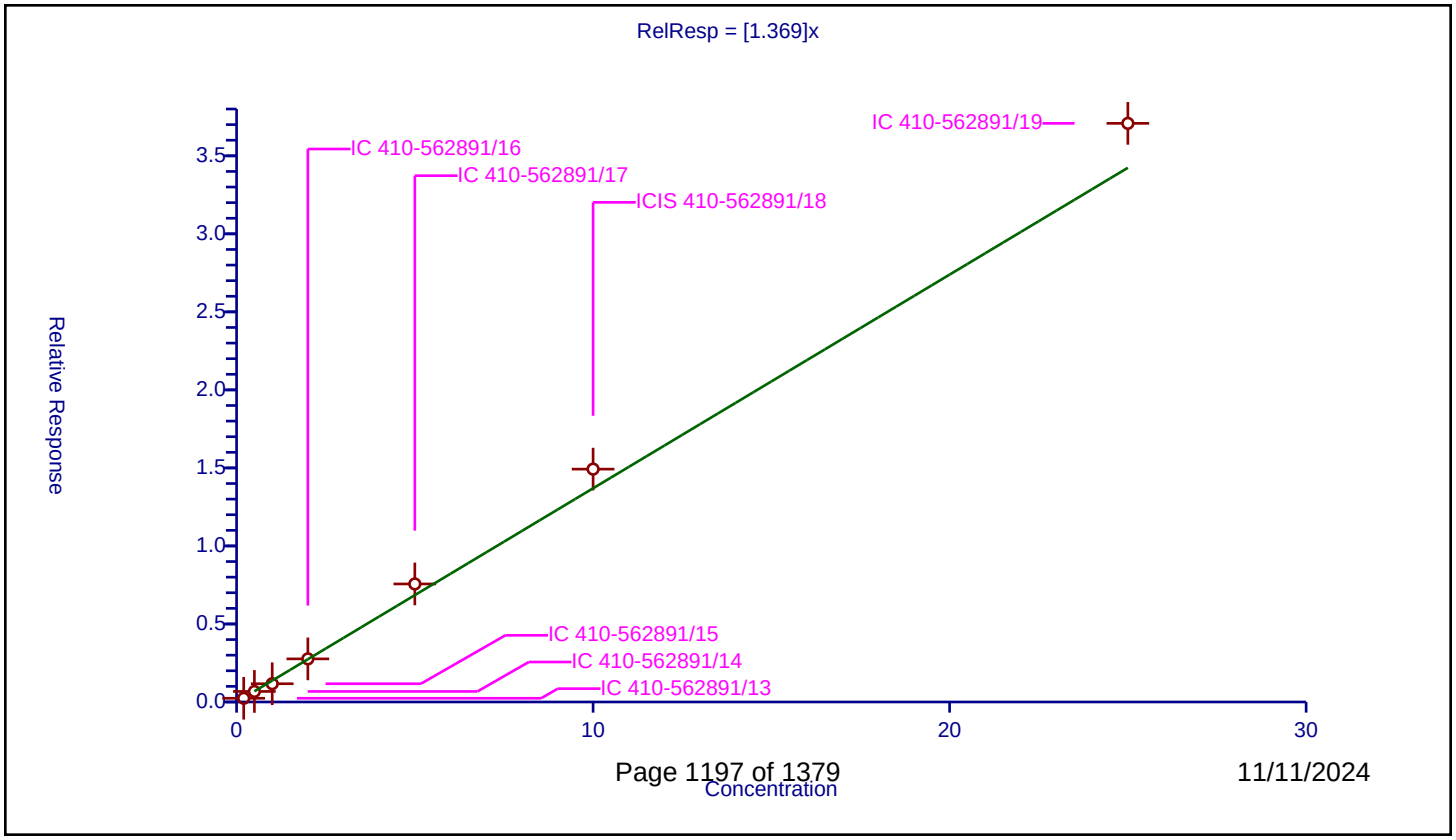
Curve Coefficients

Intercept:	0
Slope:	1.369

Error Coefficients

Relative Standard Deviation:	10.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.239091	10.0	833699.0	1.195455	Y
2	IC 410-562891/14	0.5	0.675652	10.0	837428.0	1.351304	Y
3	IC 410-562891/15	1.0	1.169456	10.0	834277.0	1.169456	Y
4	IC 410-562891/16	2.0	2.76191	10.0	826048.0	1.380955	Y
5	IC 410-562891/17	5.0	7.564039	10.0	845338.0	1.512808	Y
6	ICIS 410-562891/18	10.0	14.92354	10.0	846649.0	1.492354	Y
7	IC 410-562891/19	25.0	37.0805	10.0	878058.0	1.48322	Y



Calibration / 1,2,3-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

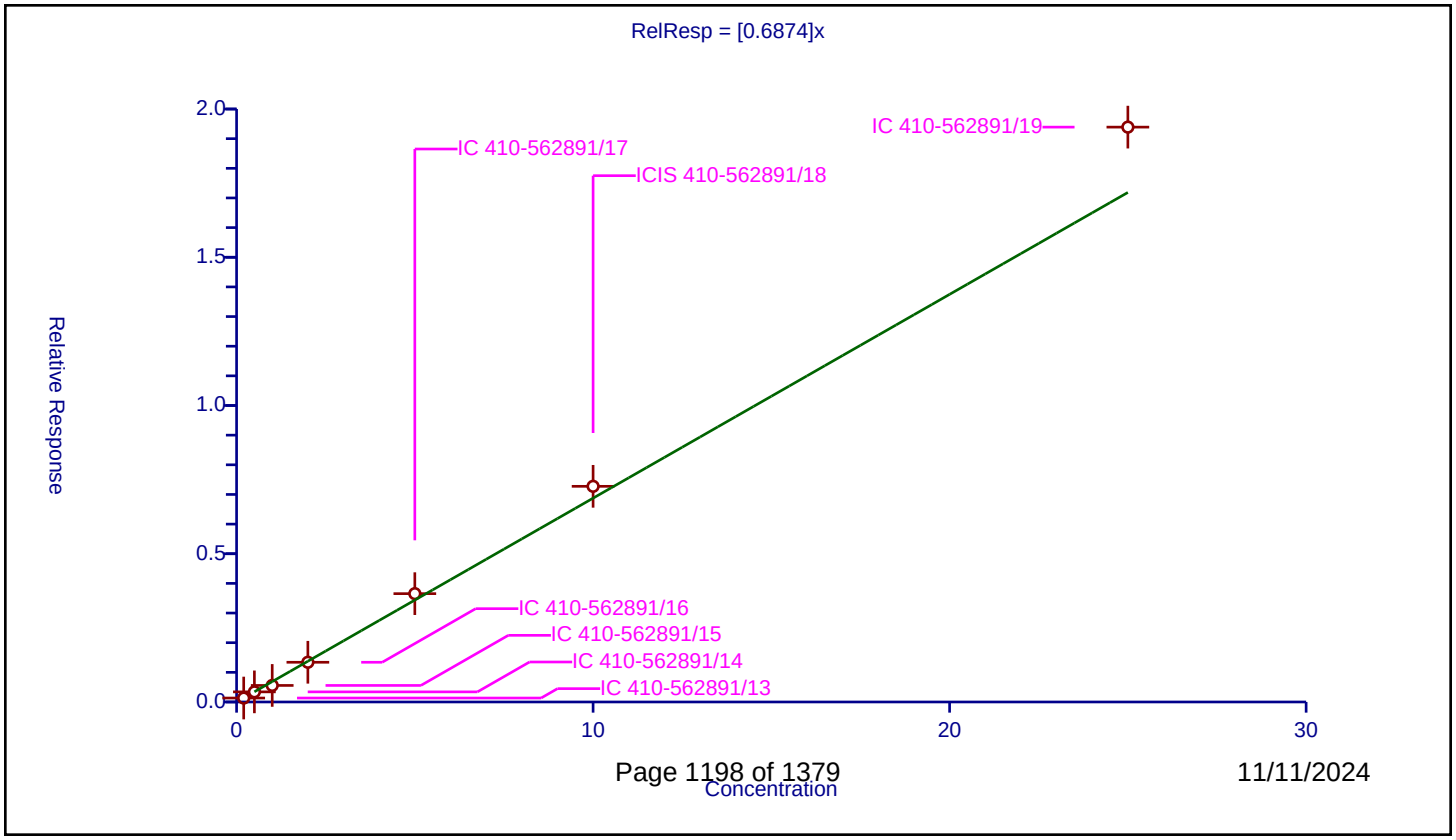
Curve Coefficients

Intercept:	0
Slope:	0.6874

Error Coefficients

Relative Standard Deviation:	10.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-562891/13	0.2	0.133345	10.0	833699.0	0.666727	Y
2	IC 410-562891/14	0.5	0.341737	10.0	837428.0	0.683474	Y
3	IC 410-562891/15	1.0	0.558112	10.0	834277.0	0.558112	Y
4	IC 410-562891/16	2.0	1.339692	10.0	826048.0	0.669846	Y
5	IC 410-562891/17	5.0	3.65429	10.0	845338.0	0.730858	Y
6	ICIS 410-562891/18	10.0	7.274514	10.0	846649.0	0.727451	Y
7	IC 410-562891/19	25.0	19.389277	10.0	878058.0	0.775571	Y



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Lab Sample ID: ICV 410-517601/21 Calibration Date: 06/15/2024 01:30

Instrument ID: 10193 Calib Start Date: 06/14/2024 22:28

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 06/15/2024 00:45

Lab File ID: CU14X20.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.3321	0.2739	0.1000	4.12	5.00	-17.5	30.0
Chloromethane	Ave	0.3752	0.3285	0.1000	4.38	5.00	-12.5	30.0
Vinyl chloride	Ave	0.3692	0.3265	0.1000	4.42	5.00	-11.6	30.0
1,3-Butadiene	Ave	0.3946	0.3066		3.89	5.00	-22.3	30.0
Bromomethane	Ave	0.2597	0.2385	0.1000	4.59	5.00	-8.2	30.0
Chloroethane	Ave	0.2114	0.1931	0.1000	4.57	5.00	-8.7	30.0
Dichlorofluoromethane	Ave	0.5478	0.4590		4.19	5.00	-16.2	30.0
Trichlorofluoromethane	Ave	0.4296	0.3949	0.1000	4.60	5.00	-8.1	30.0
Ethyl ether	Ave	0.1940	0.1874		4.81	4.98	-3.4	30.0
Freon 123a	Ave	0.3161	0.2906		4.60	5.00	-8.1	30.0
Acrolein	Ave	1.927	1.393		27.2	37.6	-27.7	30.0
1,1-Dichloroethene	Ave	0.2288	0.2409	0.1000	5.27	5.00	5.3	30.0
Acetone	Ave	2.480	2.461	0.1000	62.0	62.5	-0.8	30.0
Freon 113	Ave	0.2354	0.2164	0.1000	4.60	5.00	-8.1	30.0
Methyl iodide	Ave	0.4764	0.4778		5.01	5.00	0.3	30.0
Ethyl bromide	Ave	0.2083	0.2248		5.09	4.72	7.9	30.0
Carbon disulfide	Ave	0.7426	0.7638	0.1000	5.14	5.00	2.9	30.0
Methyl acetate	Ave	7.119	7.001	0.1000	4.92	5.00	-1.7	30.0
Allyl chloride	Ave	0.3800	0.3664		4.82	5.00	-3.6	30.0
Methylene Chloride	Ave	0.2726	0.2679	0.1000	4.91	5.00	-1.7	30.0
t-Butyl alcohol	Ave	0.9667	1.028		53.1	50.0	6.3	30.0
Acrylonitrile	Ave	3.621	3.690		25.5	25.0	1.9	30.0
Methyl tert-butyl ether	Ave	0.6983	0.6832	0.1000	4.89	5.00	-2.2	30.0
trans-1,2-Dichloroethene	Ave	0.2730	0.2774	0.1000	5.08	5.00	1.6	30.0
n-Hexane	Ave	0.3546	0.3454		4.87	5.00	-2.6	30.0
1,1-Dichloroethane	Ave	0.4690	0.4860	0.2000	5.18	5.00	3.6	30.0
di-Isopropyl ether	Ave	0.8360	0.8106		4.85	5.00	-3.0	30.0
2-Chloro-1,3-butadiene	Ave	0.3890	0.3804		4.89	5.00	-2.2	30.0
Ethyl t-butyl ether	Ave	0.8190	0.8225		5.02	5.00	0.4	30.0
2-Butanone (MEK)	Ave	4.550	4.914	0.1000	67.5	62.5	8.0	30.0
cis-1,2-Dichloroethene	Ave	0.3067	0.3126	0.1000	5.10	5.00	1.9	30.0
2,2-Dichloropropane	Ave	0.3888	0.3824		4.92	5.00	-1.6	30.0
Propionitrile	Ave	1.228	1.460		44.6	37.5	19.0	30.0
Methacrylonitrile	Ave	4.499	4.972		41.4	37.5	10.5	30.0
Bromochloromethane	Ave	0.1416	0.1470		5.19	5.00	3.8	30.0
Tetrahydrofuran	Ave	1.421	1.464		25.8	25.0	3.0	30.0
Chloroform	Ave	0.4969	0.4803	0.2000	4.83	5.00	-3.3	30.0
1,1,1-Trichloroethane	Ave	0.4151	0.4275	0.1000	5.15	5.00	3.0	30.0
Cyclohexane	Ave	0.4421	0.4202	0.1000	4.75	5.00	-5.0	30.0
Carbon tetrachloride	Ave	0.3759	0.3864	0.1000	5.14	5.00	2.8	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Lab Sample ID: ICV 410-517601/21 Calibration Date: 06/15/2024 01:30

Instrument ID: 10193 Calib Start Date: 06/14/2024 22:28

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 06/15/2024 00:45

Lab File ID: CU14X20.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,1-Dichloropropene	Ave	0.3711	0.3729		5.02	5.00	0.5	30.0
Isobutyl alcohol	Ave	0.3468	0.3811		137	125	9.9	30.0
Benzene	Ave	1.115	1.128	0.5000	5.06	5.00	1.2	30.0
1,2-Dichloroethane	Ave	0.2845	0.2922	0.1000	5.14	5.00	2.7	30.0
t-Amyl methyl ether	Ave	0.7612	0.7594		4.99	5.00	-0.2	30.0
n-Heptane	Ave	0.3677	0.3772		5.13	5.00	2.6	30.0
n-Butanol	Ave	0.3188	0.3694		290	250	15.9	30.0
Trichloroethene	Ave	0.3070	0.3041	0.2000	4.95	5.00	-1.0	30.0
Methylcyclohexane	Ave	0.4921	0.4789	0.1000	4.87	5.00	-2.7	30.0
1,2-Dichloropropane	Ave	0.2855	0.2874	0.1000	5.03	5.00	0.7	30.0
1,4-Dioxane	Ave	0.0626	0.0725	0.0050	145	125	16.0	30.0
Dibromomethane	Ave	0.1454	0.1453		5.00	5.00	-0.0	30.0
Methyl methacrylate	Ave	9.434	9.936		5.27	5.00	5.3	30.0
Bromodichloromethane	Ave	0.3445	0.3513	0.2000	5.10	5.00	2.0	30.0
2-Nitropropane	Ave	2.541	2.610		5.13	5.00	2.7	30.0
1-Bromo-2-chloroethane	Ave	0.2792	0.2891		5.18	5.00	3.5	30.0
cis-1,3-Dichloropropene	Ave	0.4460	0.4347	0.2000	4.87	5.00	-2.5	30.0
4-Methyl-2-pentanone (MIBK)	Ave	11.64	12.41	0.1000	66.6	62.5	6.6	30.0
Toluene	Ave	0.9498	0.9540	0.4000	5.02	5.00	0.4	30.0
trans-1,3-Dichloropropene	Ave	0.4840	0.4935	0.1000	5.10	5.00	2.0	30.0
Ethyl methacrylate	Ave	0.4146	0.4078		4.92	5.00	-1.6	30.0
1,1,2-Trichloroethane	Ave	0.2748	0.2728	0.1000	4.96	5.00	-0.8	30.0
Tetrachloroethene	Ave	0.4717	0.4871	0.2000	5.16	5.00	3.3	30.0
1,3-Dichloropropane	Ave	0.4567	0.4654		5.09	5.00	1.9	30.0
2-Hexanone	Ave	8.457	9.136	0.1000	67.5	62.5	8.0	30.0
Dibromochloromethane	Ave	0.3530	0.3642		5.16	5.00	3.2	30.0
1,2-Dibromoethane (EDB)	Ave	0.2725	0.2780	0.1000	5.10	5.00	2.0	30.0
1-Chlorohexane	Ave	0.5567	0.5116		4.60	5.00	-8.1	30.0
Chlorobenzene	Ave	1.135	1.156	0.5000	5.09	5.00	1.8	30.0
1,1,1,2-Tetrachloroethane	Ave	0.4002	0.4080		5.10	5.00	1.9	30.0
Ethylbenzene	Ave	1.865	1.889	0.1000	5.07	5.00	1.3	30.0
m&p-Xylene	Ave	0.7638	0.7675	0.1000	10.0	10.0	0.5	30.0
o-Xylene	Ave	0.7529	0.7528	0.3000	5.00	5.00	-0.0	30.0
Styrene	Ave	1.248	1.276	0.3000	5.12	5.00	2.3	30.0
Bromoform	Ave	0.2276	0.2271	0.1000	4.99	5.00	-0.2	30.0
Isopropylbenzene	Ave	1.787	1.944	0.1000	5.44	5.00	8.8	30.0
1,1,2,2-Tetrachloroethane	Ave	0.5837	0.5844	0.3000	5.01	5.00	0.1	30.0
Bromobenzene	Ave	0.8797	0.8865		5.04	5.00	0.8	30.0
trans-1,4-Dichloro-2-butene	Ave	0.1371	0.1396		25.5	25.0	1.8	30.0
1,2,3-Trichloropropane	Ave	0.1621	0.1641		5.06	5.00	1.2	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Lab Sample ID: ICV 410-517601/21 Calibration Date: 06/15/2024 01:30

Instrument ID: 10193 Calib Start Date: 06/14/2024 22:28

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 06/15/2024 00:45

Lab File ID: CU14X20.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Propylbenzene	Ave	3.782	3.855		5.10	5.00	1.9	30.0
2-Chlorotoluene	Ave	0.8480	0.8362		4.93	5.00	-1.4	30.0
1,3,5-Trimethylbenzene	Ave	2.825	2.852		5.05	5.00	1.0	30.0
4-Chlorotoluene	Ave	0.8841	0.8800		4.98	5.00	-0.5	30.0
tert-Butylbenzene	Ave	0.6793	0.6776		4.99	5.00	-0.2	30.0
Pentachloroethane	Ave	0.5092	0.5306		5.21	5.00	4.2	30.0
1,2,4-Trimethylbenzene	Ave	2.917	2.888		4.95	5.00	-1.0	30.0
sec-Butylbenzene	Ave	3.645	3.671		5.04	5.00	0.7	30.0
1,3-Dichlorobenzene	Ave	1.738	1.740	0.6000	5.00	5.00	0.0	30.0
p-Isopropyltoluene	Ave	3.276	3.278		5.00	5.00	0.0	30.0
1,4-Dichlorobenzene	Ave	1.778	1.786	0.5000	5.02	5.00	0.5	30.0
1,2,3-Trimethylbenzene	Ave	1.346	1.307		4.86	5.00	-2.9	30.0
Benzyl chloride	Ave	0.2675	0.2527		4.72	5.00	-5.5	30.0
n-Butylbenzene	Ave	1.573	1.571		4.99	5.00	-0.1	30.0
1,2-Dichlorobenzene	Ave	1.587	1.611	0.4000	5.08	5.00	1.5	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.0967	0.0964	0.0500	4.99	5.00	-0.3	30.0
1,3,5-Trichlorobenzene	Ave	1.348	1.354		5.02	5.00	0.4	30.0
1,2,4-Trichlorobenzene	Ave	1.093	1.126	0.2000	5.15	5.00	3.1	30.0
Hexachlorobutadiene	Ave	0.5642	0.5869		5.20	5.00	4.0	30.0
Naphthalene	Ave	1.730	1.810		5.23	5.00	4.6	30.0
1,2,3-Trichlorobenzene	Ave	0.8521	0.8739		5.13	5.00	2.6	30.0
Dibromofluoromethane (Surr)	Ave	0.2422	0.2424		10.0	10.0	0.1	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0495	0.0493		9.95	10.0	-0.5	30.0
Toluene-d8 (Surr)	Ave	1.281	1.284		10.0	10.0	0.2	30.0
4-Bromofluorobenzene (Surr)	Ave	0.4817	0.4806		9.98	10.0	-0.2	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X20.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 15-Jun-2024 01:30:30 ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0116724-021
Misc. Info.: ICV LG
Operator ID: MEC29284 Instrument ID: 10193
Sublist:

Method: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 17-Jun-2024 19:29:21 Calib Date: 15-Jun-2024 00:45:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1606

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.793	1.799	-0.006	99	306908	5.00	4.12	
5 Chloromethane	50	1.976	1.982	-0.006	99	367985	5.00	4.38	
6 Vinyl chloride	62	2.079	2.085	-0.006	98	365803	5.00	4.42	
7 Butadiene	39	2.085	2.085	0.000	89	343507	5.00	3.89	
9 Bromomethane	94	2.396	2.396	0.000	90	267228	5.00	4.59	
10 Chloroethane	64	2.439	2.445	-0.006	100	216324	5.00	4.57	
11 Dichlorofluoromethane	67	2.683	2.689	-0.006	97	514185	5.00	4.19	
13 Pentane	43	2.732	2.738	-0.006	97	416644	5.00	5.07	
12 Trichlorofluoromethane	101	2.738	2.744	-0.006	98	442432	5.00	4.60	
14 Ethyl ether	59	2.921	2.921	0.000	90	209319	4.98	4.81	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.012	3.018	-0.006	91	325544	5.00	4.60	
17 Acrolein	56	3.073	3.073	0.000	99	175224	37.6	27.2	M
18 1,1-Dichloroethene	96	3.189	3.195	-0.006	97	269920	5.00	5.27	
20 Acetone	43	3.219	3.219	0.000	100	514603	62.5	62.0	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.238	3.244	-0.006	90	242435	5.00	4.60	
24 Isopropyl alcohol	45	3.366	3.366	0.000	32	63696	37.5	37.3	
22 Iodomethane	142	3.366	3.372	-0.006	97	535254	5.00	5.01	
23 Ethyl bromide	108	3.390	3.396	-0.006	98	237468	4.72	5.09	
25 Carbon disulfide	76	3.457	3.463	-0.006	99	855773	5.00	5.14	
26 Methyl acetate	43	3.591	3.585	0.006	96	117135	5.00	4.92	
29 3-Chloro-1-propene	41	3.609	3.616	-0.007	93	410542	5.00	4.82	
30 Methylene Chloride	84	3.780	3.786	-0.006	90	300165	5.00	4.91	
* 31 t-Butyl alcohol-d10 (IS)	65	3.798	3.798	0.000	96	167301	50.0	50.0	
32 2-Methyl-2-propanol	59	3.896	3.908	-0.012	100	171902	50.0	53.1	
33 Acrylonitrile	53	4.085	4.091	-0.006	99	308657	25.0	25.5	
35 trans-1,2-Dichloroethene	96	4.146	4.146	0.000	99	310740	5.00	5.08	
34 Methyl tert-butyl ether	73	4.134	4.146	-0.012	91	765449	5.00	4.89	
36 Hexane	57	4.560	4.561	-0.001	91	386921	5.00	4.87	
37 1,1-Dichloroethane	63	4.798	4.804	-0.006	95	544453	5.00	5.18	
39 Isopropyl ether	45	4.865	4.871	-0.006	93	908141	5.00	4.85	
40 2-Chloro-1,3-butadiene	53	4.914	4.914	0.000	89	426166	5.00	4.89	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
41 Tert-butyl ethyl ether	59	5.408	5.414	-0.006	98	921437	5.00	5.02	
42 2-Butanone (MEK)	43	5.615	5.615	0.000	99	1027603	62.5	67.5	
43 cis-1,2-Dichloroethene	96	5.646	5.652	-0.006	80	350271	5.00	5.10	
44 2,2-Dichloropropane	77	5.664	5.670	-0.006	86	428432	5.00	4.92	
45 Propionitrile	54	5.713	5.719	-0.006	98	183237	37.5	44.6	
47 Methacrylonitrile	67	5.926	5.926	0.000	91	623852	37.5	41.4	
49 Tetrahydrofuran	71	5.981	5.981	0.000	78	122488	25.0	25.8	
48 Chlorobromomethane	128	5.981	5.987	-0.006	88	164746	5.00	5.19	
50 Chloroform	83	6.146	6.146	0.000	93	538142	5.00	4.83	
$ 54 Dibromofluoromethane (Surr)	113	6.359	6.365	-0.006	94	543249	10.0	10.0	
53 1,1,1-Trichloroethane	97	6.365	6.371	-0.006	98	478951	5.00	5.15	
55 Cyclohexane	56	6.463	6.463	0.000	89	470773	5.00	4.75	
57 1,1-Dichloropropene	75	6.584	6.585	0.000	97	417764	5.00	5.02	
56 Carbon tetrachloride	117	6.578	6.585	-0.006	95	432932	5.00	5.14	
58 Isobutyl alcohol	41	6.773	6.780	-0.007	96	159396	125.0	137.4	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.816	6.822	-0.006	99	110492	10.0	9.95	
60 Benzene	78	6.847	6.853	-0.006	96	1263998	5.00	5.06	
61 1,2-Dichloroethane	62	6.926	6.926	0.000	97	327399	5.00	5.14	
64 Tert-amyl methyl ether	73	7.060	7.060	0.000	98	850822	5.00	4.99	
* 65 Fluorobenzene (IS)	96	7.267	7.267	0.000	99	2240698	10.0	10.0	
66 n-Heptane	43	7.279	7.286	-0.007	93	422580	5.00	5.13	
67 n-Butanol	56	7.682	7.682	0.000	87	309031	250.0	289.7	
68 Trichloroethene	95	7.749	7.755	-0.006	96	340674	5.00	4.95	
69 Methylcyclohexane	83	8.066	8.066	0.000	90	536531	5.00	4.87	
70 1,2-Dichloropropane	63	8.090	8.096	-0.006	97	321941	5.00	5.03	
71 2-ethoxy-2-methyl butane	87	8.121	8.127	-0.006	94	494865	5.00	4.76	
74 1,4-Dioxane	88	8.194	8.194	0.000	29	30336	125.0	144.9	M
73 Methyl methacrylate	69	8.200	8.200	0.000	91	166236	5.00	5.27	
72 Dibromomethane	93	8.200	8.206	-0.006	91	162770	5.00	5.00	
76 Dichlorobromomethane	83	8.450	8.456	-0.006	99	393571	5.00	5.10	
77 2-Nitropropane	41	8.743	8.743	0.000	98	43662	5.00	5.13	
78 1-Bromo-2-chloroethane	63	8.846	8.846	0.000	98	323900	5.00	5.18	
80 cis-1,3-Dichloropropene	75	9.029	9.029	0.000	97	486992	5.00	4.87	
82 4-Methyl-2-pentanone (MIBK)	43	9.230	9.230	0.000	96	2594630	62.5	66.6	
$ 83 Toluene-d8 (Surr)	98	9.358	9.358	0.000	93	2264682	10.0	10.0	
84 Toluene	92	9.444	9.444	0.000	99	841448	5.00	5.02	
85 trans-1,3-Dichloropropene	75	9.730	9.730	0.000	91	435254	5.00	5.10	
86 Ethyl methacrylate	69	9.803	9.803	0.000	89	359653	5.00	4.92	
87 1,1,2-Trichloroethane	97	9.944	9.944	0.000	90	240583	5.00	4.96	
88 Tetrachloroethene	166	10.023	10.023	0.000	97	429622	5.00	5.16	
89 1,3-Dichloropropane	76	10.114	10.114	0.000	89	410481	5.00	5.09	
106 2-Hexanone	43	10.181	10.181	0.000	95	1910647	62.5	67.5	
108 Chlorodibromomethane	129	10.334	10.334	0.000	89	321200	5.00	5.16	
110 Ethylene Dibromide	107	10.443	10.444	-0.001	99	245181	5.00	5.10	
* 111 Chlorobenzene-d5 (IS)	117	10.901	10.901	0.000	83	1763975	10.0	10.0	
112 1-Chlorohexane	91	10.919	10.919	0.000	96	451247	5.00	4.60	
113 Chlorobenzene	112	10.925	10.925	0.000	98	1019194	5.00	5.09	
114 1,1,1,2-Tetrachloroethane	131	11.017	11.017	0.000	97	359809	5.00	5.10	
115 Ethylbenzene	91	11.023	11.023	0.000	98	1666395	5.00	5.07	
116 m-Xylene & p-Xylene	106	11.145	11.145	0.000	97	1353872	10.0	10.0	
118 o-Xylene	106	11.486	11.486	0.000	95	663921	5.00	5.00	
119 Styrene	104	11.498	11.498	0.000	95	1125690	5.00	5.12	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
120 Bromoform	173	11.657	11.657	0.000	98	200332	5.00	4.99	
121 Isopropylbenzene	105	11.797	11.797	0.000	95	1714682	5.00	5.44	
$ 124 4-Bromofluorobenzene (Surr)	95	11.943	11.943	0.000	96	847717	10.0	9.98	
126 1,1,2,2-Tetrachloroethane	83	12.053	12.053	0.000	69	301830	5.00	5.01	
125 Bromobenzene	156	12.059	12.059	0.000	86	457855	5.00	5.04	
127 trans-1,4-Dichloro-2-butene	53	12.083	12.083	0.000	89	360532	25.0	25.5	
128 1,2,3-Trichloropropane	110	12.096	12.096	0.000	80	84750	5.00	5.06	
129 N-Propylbenzene	91	12.138	12.138	0.000	98	1990939	5.00	5.10	
130 2-Chlorotoluene	126	12.211	12.211	0.000	98	431874	5.00	4.93	
131 1,3,5-Trimethylbenzene	105	12.278	12.279	-0.001	94	1472900	5.00	5.05	
132 4-Chlorotoluene	126	12.303	12.303	0.000	96	454521	5.00	4.98	
133 tert-Butylbenzene	134	12.522	12.522	0.000	92	350002	5.00	4.99	
134 Pentachloroethane	167	12.553	12.553	0.000	93	274044	5.00	5.21	
135 1,2,4-Trimethylbenzene	105	12.565	12.565	0.000	96	1491847	5.00	4.95	
136 sec-Butylbenzene	105	12.693	12.693	0.000	93	1895830	5.00	5.04	
137 1,3-Dichlorobenzene	146	12.784	12.785	-0.001	98	898477	5.00	5.00	
138 4-Isopropyltoluene	119	12.803	12.803	0.000	97	1693083	5.00	5.00	
* 139 1,4-Dichlorobenzene-d4	152	12.845	12.845	0.000	93	1032999	10.0	10.0	
140 1,4-Dichlorobenzene	146	12.864	12.864	0.000	96	922681	5.00	5.02	
141 1,2,3-Trimethylbenzene	120	12.876	12.876	0.000	98	675223	5.00	4.86	
142 Benzyl chloride	126	12.943	12.943	0.000	98	130535	5.00	4.72	
145 p-Diethylbenzene	119	13.083	13.083	0.000	94	1059172	5.00	5.02	
143 n-Butylbenzene	92	13.101	13.102	-0.001	97	811519	5.00	4.99	
144 1,2-Dichlorobenzene	146	13.126	13.126	0.000	99	832218	5.00	5.08	
148 1,2-Dibromo-3-Chloropropane	155	13.681	13.681	0.000	91	49772	5.00	4.99	
149 1,3,5-Trichlorobenzene	180	13.803	13.803	0.000	97	699246	5.00	5.02	
150 1,2,4-Trichlorobenzene	180	14.235	14.235	0.000	94	581715	5.00	5.15	
151 Hexachlorobutadiene	225	14.321	14.321	0.000	97	303152	5.00	5.20	
152 Naphthalene	128	14.418	14.418	0.000	96	934653	5.00	5.23	
153 1,2,3-Trichlorobenzene	180	14.565	14.565	0.000	96	451385	5.00	5.13	
154 2-Methylnaphthalene	142	15.174	15.174	0.000	92	430962	5.00	5.45	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

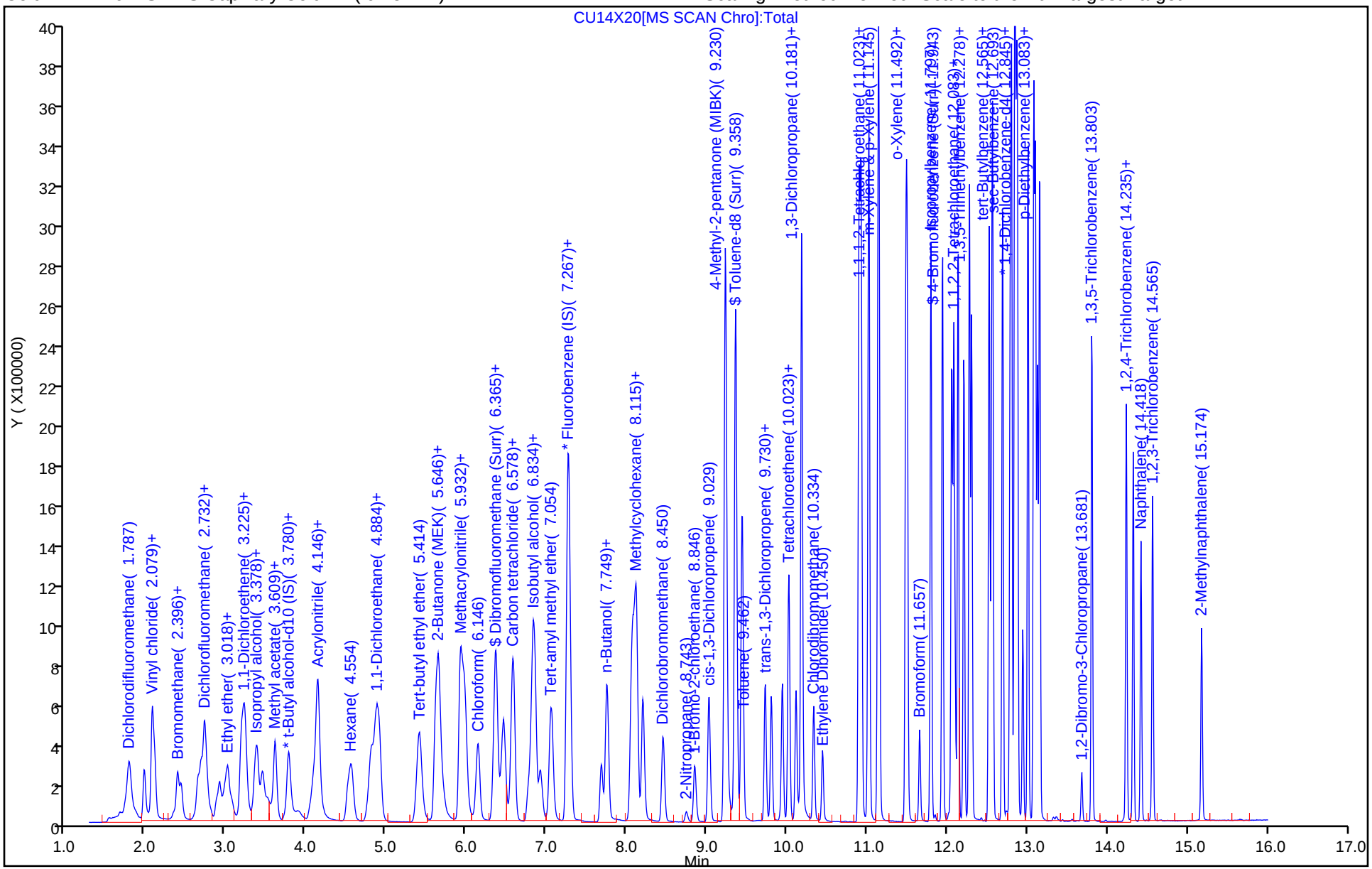
MSV_LCS_VOC#1_00171	Amount Added:	12.50	Units: uL	
MSV_QC_Gas826_00201	Amount Added:	12.50	Units: uL	
MSV_LCS_EE_00009	Amount Added:	12.50	Units: uL	
LCS_ETBR_00008	Amount Added:	12.50	Units: uL	
MSV_LCS_ACROL_00174	Amount Added:	12.50	Units: uL	
MSV_LCS_Penta_00043	Amount Added:	12.50	Units: uL	
MSV_HP25_ISSS_00090	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 17-Jun-2024 19:47:53 Chrom Revision: 2.3 03-Jun-2024 20:58:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X20.D				
Injection Date:	15-Jun-2024 01:30:30	Instrument ID:	10193	Operator ID:	MEC29284
Lims ID:	ICV			Worklist Smp#:	21
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	20
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

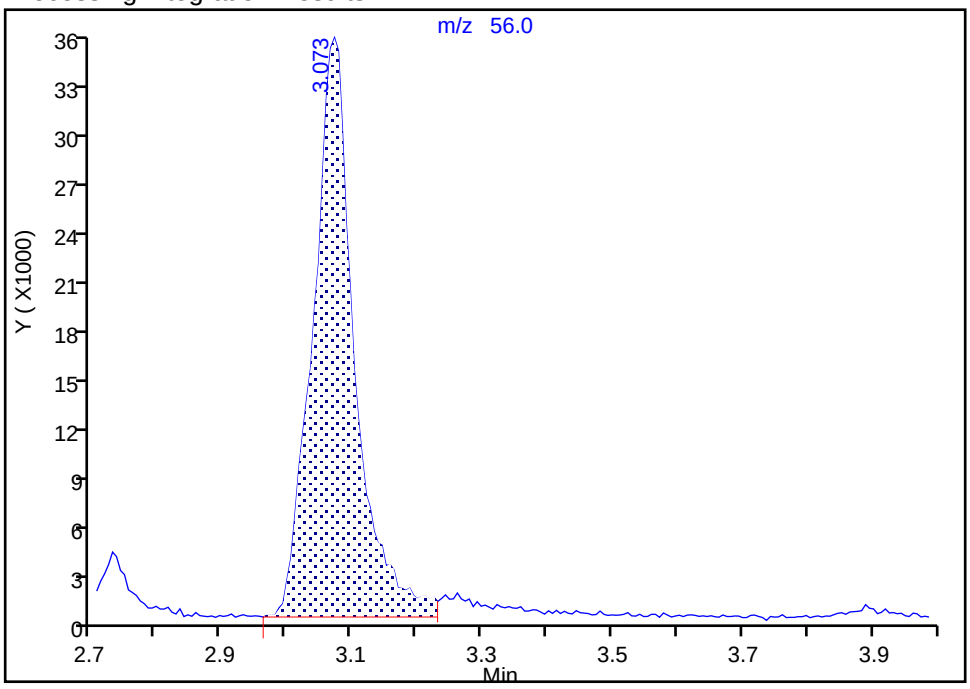
Data File:	\\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X20.D				
Injection Date:	15-Jun-2024 01:30:30	Instrument ID:	10193		
Lims ID:	ICV				
Client ID:					
Operator ID:	MEC29284	ALS Bottle#:	20	Worklist Smp#:	21
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

17 Acrolein, CAS: 107-02-8

Signal: 1

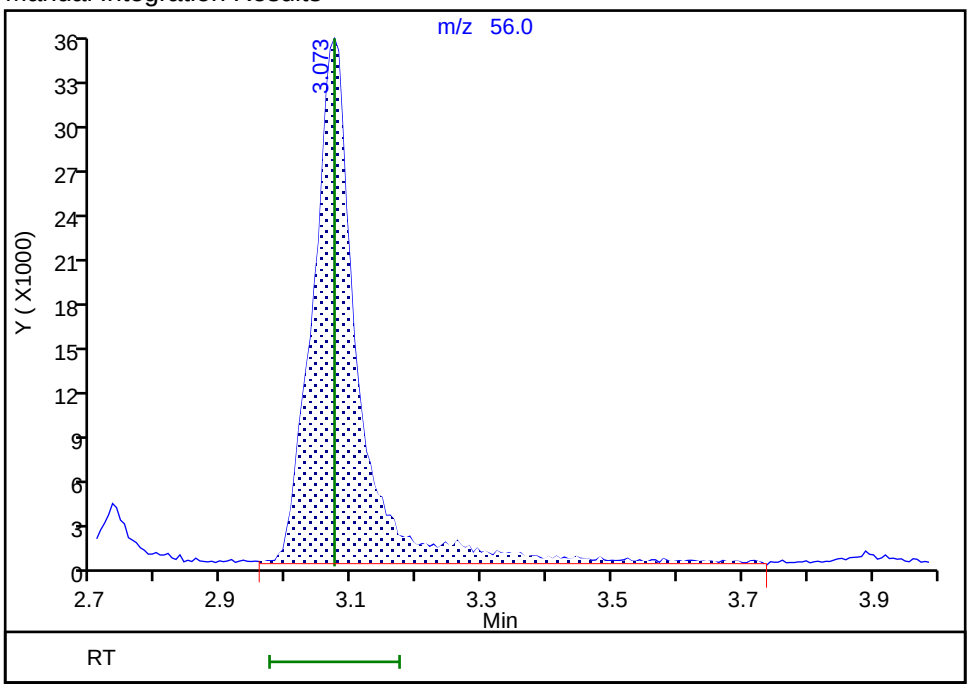
Processing Integration Results

RT: 3.07
Area: 156860
Amount: 23.840960
Amount Units: ug/l



Manual Integration Results

RT: 3.07
Area: 175224
Amount: 27.177141
Amount Units: ug/l



Reviewer: UCB5, 16-Jun-2024 14:10:44 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

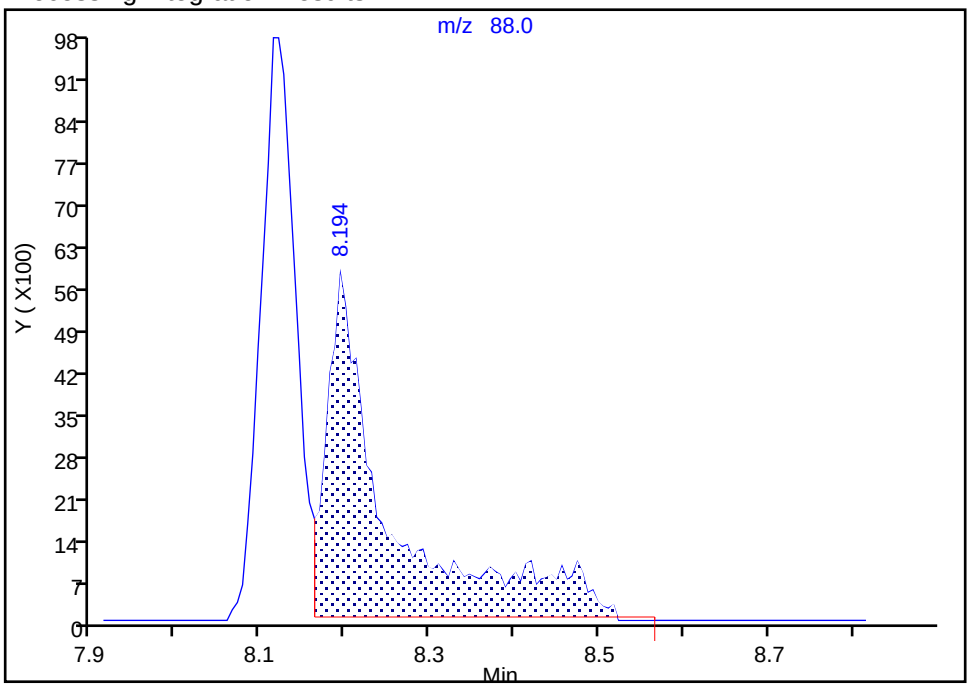
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Injection Date:	15-Jun-2024 01:30:30	Instrument ID:	10193		
Lims ID:	ICV				
Client ID:					
Operator ID:	MEC29284	ALS Bottle#:	20	Worklist Smp#:	21
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

74 1,4-Dioxane, CAS: 123-91-1

Signal: 1

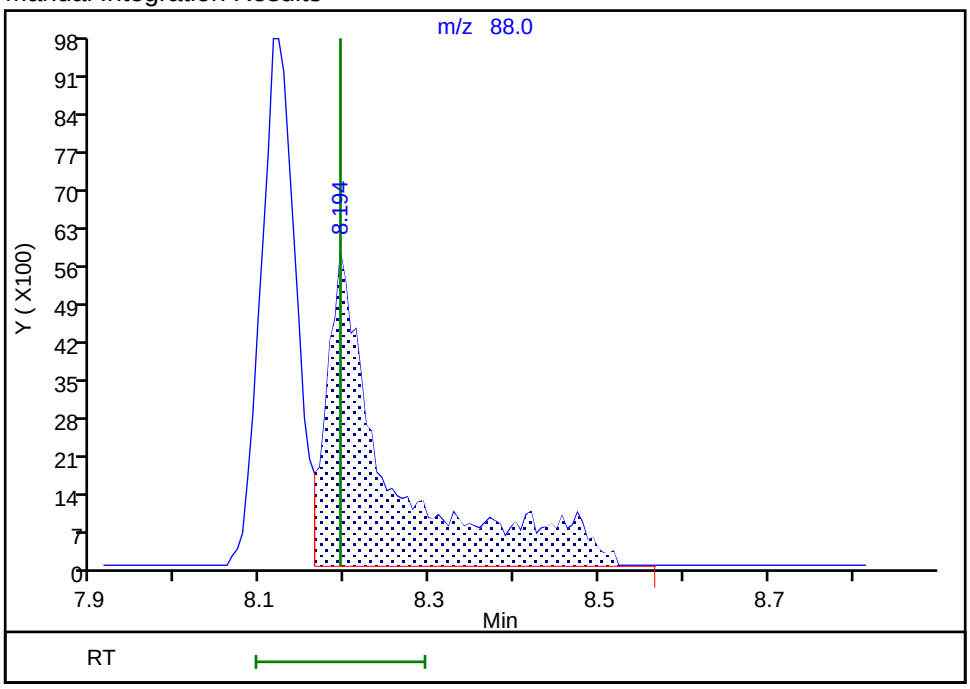
Processing Integration Results

RT: 8.19
Area: 28572
Amount: 134.1262
Amount Units: ug/l



Manual Integration Results

RT: 8.19
Area: 30336
Amount: 144.9401
Amount Units: ug/l



Reviewer: UKEK, 17-Jun-2024 19:20:10 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Baseline

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Lab Sample ID: CCVIS 410-569172/3 Calibration Date: 10/29/2024 21:31

Instrument ID: 10193 Calib Start Date: 06/14/2024 22:28

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 06/15/2024 00:45

Lab File ID: CC29X32.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.3321	0.2999	0.1000	9.03	10.0	-9.7	20.0
Chloromethane	Ave	0.3752	0.2828	0.1000	7.54	10.0	-24.6*	20.0
Vinyl chloride	Ave	0.3692	0.2814	0.1000	7.62	10.0	-23.8*	20.0
1,3-Butadiene	Ave	0.3946	0.4386		11.1	10.0	11.2	20.0
Bromomethane	Ave	0.2597	0.2483	0.1000	9.56	10.0	-4.4	20.0
Chloroethane	Ave	0.2114	0.1713	0.1000	8.10	10.0	-19.0	20.0
Dichlorofluoromethane	Ave	0.5478	0.5147		9.40	10.0	-6.0	20.0
Trichlorofluoromethane	Ave	0.4296	0.4602	0.1000	10.7	10.0	7.1	20.0
Ethyl ether	Ave	0.1940	0.1727		8.90	10.0	-11.0	20.0
Freon 123a	Ave	0.3161	0.2758		8.72	10.0	-12.8	20.0
Acrolein	Ave	1.927	1.539		400	501	-20.1*	20.0
1,1-Dichloroethene	Ave	0.2288	0.1993	0.1000	8.71	10.0	-12.9	20.0
Acetone	Ave	2.480	2.277	0.1000	91.8	100	-8.2	20.0
Freon 113	Ave	0.2354	0.2222	0.1000	9.44	10.0	-5.6	20.0
Methyl iodide	Ave	0.4764	0.4671		9.81	10.0	-1.9	20.0
Ethyl bromide	Ave	0.2083	0.2035		9.79	10.0	-2.3	20.0
Carbon disulfide	Ave	0.7426	0.6230	0.1000	8.39	10.0	-16.1	20.0
Methyl acetate	Ave	7.119	6.244	0.1000	8.77	10.0	-12.3	20.0
Allyl chloride	Ave	0.3800	0.2779		7.31	10.0	-26.9*	20.0
Methylene Chloride	Ave	0.2726	0.2313	0.1000	8.49	10.0	-15.1	20.0
t-Butyl alcohol	Ave	0.9667	0.8606		178	200	-11.0	20.0
Acrylonitrile	Ave	3.621	3.236		22.3	25.0	-10.6	20.0
Methyl tert-butyl ether	Ave	0.6983	0.6084	0.1000	8.71	10.0	-12.9	20.0
trans-1,2-Dichloroethene	Ave	0.2730	0.2431	0.1000	8.90	10.0	-11.0	20.0
n-Hexane	Ave	0.3546	0.2538		7.16	10.0	-28.4*	20.0
1,1-Dichloroethane	Ave	0.4690	0.3911	0.2000	8.34	10.0	-16.6	20.0
di-Isopropyl ether	Ave	0.8360	0.6152		7.36	10.0	-26.4*	20.0
2-Chloro-1,3-butadiene	Ave	0.3890	0.3347		8.61	10.0	-13.9	20.0
Ethyl t-butyl ether	Ave	0.8190	0.6832		8.34	10.0	-16.6	20.0
2-Butanone (MEK)	Ave	4.550	3.984	0.1000	87.5	100	-12.5	20.0
cis-1,2-Dichloroethene	Ave	0.3067	0.2838	0.1000	9.25	10.0	-7.5	20.0
2,2-Dichloropropane	Ave	0.3888	0.3798		9.77	10.0	-2.3	20.0
Propionitrile	Ave	1.228	1.187		193	200	-3.3	20.0
Methacrylonitrile	Ave	4.499	4.641		103	100	3.1	20.0
Bromochloromethane	Ave	0.1416	0.1455		10.3	10.0	2.7	20.0
Tetrahydrofuran	Ave	1.421	1.425		50.1	50.0	0.3	20.0
Chloroform	Ave	0.4969	0.4408	0.2000	8.87	10.0	-11.3	20.0
1,1,1-Trichloroethane	Ave	0.4151	0.4053	0.1000	9.76	10.0	-2.4	20.0
Cyclohexane	Ave	0.4421	0.3227	0.1000	7.30	10.0	-27.0*	20.0
Carbon tetrachloride	Ave	0.3759	0.3750	0.1000	9.98	10.0	-0.2	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Lab Sample ID: CCVIS 410-569172/3 Calibration Date: 10/29/2024 21:31

Instrument ID: 10193 Calib Start Date: 06/14/2024 22:28

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 06/15/2024 00:45

Lab File ID: CC29X32.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,1-Dichloropropene	Ave	0.3711	0.3295		8.88	10.0	-11.2	20.0
Isobutyl alcohol	Ave	0.3468	0.2991		431	500	-13.8	20.0
Benzene	Ave	1.115	0.9841	0.5000	8.82	10.0	-11.8	20.0
1,2-Dichloroethane	Ave	0.2845	0.2896	0.1000	10.2	10.0	1.8	20.0
t-Amyl methyl ether	Ave	0.7612	0.6591		8.66	10.0	-13.4	20.0
n-Heptane	Ave	0.3677	0.2526		6.87	10.0	-31.3*	20.0
n-Butanol	Ave	0.3188	0.2999		823	875	-5.9	20.0
Trichloroethene	Ave	0.3070	0.2819	0.2000	9.18	10.0	-8.2	20.0
Methylcyclohexane	Ave	0.4921	0.4124	0.1000	8.38	10.0	-16.2	20.0
1,2-Dichloropropane	Ave	0.2855	0.2346	0.1000	8.22	10.0	-17.8	20.0
1,4-Dioxane	Ave	0.0626	0.0712	0.0050	569	500	13.8	20.0
Methyl methacrylate	Ave	9.434	8.887		9.42	10.0	-5.8	20.0
Dibromomethane	Ave	0.1454	0.1372		9.44	10.0	-5.6	20.0
Bromodichloromethane	Ave	0.3445	0.3308	0.2000	9.60	10.0	-4.0	20.0
2-Nitropropane	Ave	2.541	2.885		56.8	50.0	13.5	20.0
1-Bromo-2-chloroethane	Ave	0.2792	0.2618		9.38	10.0	-6.2	20.0
cis-1,3-Dichloropropene	Ave	0.4460	0.3920	0.2000	8.79	10.0	-12.1	20.0
4-Methyl-2-pentanone (MIBK)	Ave	11.64	10.48	0.1000	90.1	100	-9.9	20.0
Toluene	Ave	0.9498	0.8312	0.4000	8.75	10.0	-12.5	20.0
trans-1,3-Dichloropropene	Ave	0.4840	0.4262	0.1000	8.80	10.0	-12.0	20.0
Ethyl methacrylate	Ave	0.4146	0.3241		7.82	10.0	-21.8*	20.0
1,1,2-Trichloroethane	Ave	0.2748	0.2489	0.1000	9.06	10.0	-9.4	20.0
Tetrachloroethene	Ave	0.4717	0.4785	0.2000	10.1	10.0	1.4	20.0
1,3-Dichloropropane	Ave	0.4567	0.3908		8.56	10.0	-14.4	20.0
2-Hexanone	Ave	8.457	7.744	0.1000	91.6	100	-8.4	20.0
Dibromochloromethane	Ave	0.3530	0.3388		9.60	10.0	-4.0	20.0
1,2-Dibromoethane (EDB)	Ave	0.2725	0.2501	0.1000	9.18	10.0	-8.2	20.0
1-Chlorohexane	Ave	0.5567	0.4482		8.05	10.0	-19.5	20.0
Chlorobenzene	Ave	1.135	1.062	0.5000	9.35	10.0	-6.5	20.0
1,1,1,2-Tetrachloroethane	Ave	0.4002	0.3909		9.77	10.0	-2.3	20.0
Ethylbenzene	Ave	1.865	1.672	0.1000	8.97	10.0	-10.3	20.0
m&p-Xylene	Ave	0.7638	0.7167	0.1000	18.8	20.0	-6.2	20.0
o-Xylene	Ave	0.7529	0.6998	0.3000	9.29	10.0	-7.1	20.0
Styrene	Ave	1.248	1.172	0.3000	9.40	10.0	-6.0	20.0
Bromoform	Ave	0.2276	0.2119	0.1000	9.31	10.0	-6.9	20.0
Isopropylbenzene	Ave	1.787	1.569	0.1000	8.78	10.0	-12.2	20.0
1,1,2,2-Tetrachloroethane	Ave	0.5837	0.4788	0.3000	8.20	10.0	-18.0	20.0
Bromobenzene	Ave	0.8797	0.8113		9.22	10.0	-7.8	20.0
trans-1,4-Dichloro-2-butene	Ave	0.1371	0.1003		73.1	100	-26.9*	20.0
1,2,3-Trichloropropane	Ave	0.1621	0.1485		9.16	10.0	-8.4	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Lab Sample ID: CCVIS 410-569172/3 Calibration Date: 10/29/2024 21:31

Instrument ID: 10193 Calib Start Date: 06/14/2024 22:28

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 06/15/2024 00:45

Lab File ID: CC29X32.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Propylbenzene	Ave	3.782	3.235		8.55	10.0	-14.5	20.0
2-Chlorotoluene	Ave	0.8480	0.7300		8.61	10.0	-13.9	20.0
1,3,5-Trimethylbenzene	Ave	2.825	2.432		8.61	10.0	-13.9	20.0
4-Chlorotoluene	Ave	0.8841	0.7909		8.95	10.0	-10.5	20.0
tert-Butylbenzene	Ave	0.6793	0.6107		8.99	10.0	-10.1	20.0
Pentachloroethane	Ave	0.5092	0.5358		10.5	10.0	5.2	20.0
1,2,4-Trimethylbenzene	Ave	2.917	2.544		8.72	10.0	-12.8	20.0
sec-Butylbenzene	Ave	3.645	3.152		8.65	10.0	-13.5	20.0
1,3-Dichlorobenzene	Ave	1.738	1.614	0.6000	9.29	10.0	-7.1	20.0
p-Isopropyltoluene	Ave	3.276	2.951		9.01	10.0	-9.9	20.0
1,4-Dichlorobenzene	Ave	1.778	1.625	0.5000	9.14	10.0	-8.6	20.0
1,2,3-Trimethylbenzene	Ave	1.346	1.195		8.87	10.0	-11.3	20.0
Benzyl chloride	Ave	0.2675	0.2617		9.78	10.0	-2.2	20.0
n-Butylbenzene	Ave	1.573	1.357		8.63	10.0	-13.7	20.0
1,2-Dichlorobenzene	Ave	1.587	1.492	0.4000	9.40	10.0	-6.0	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.0967	0.0821	0.0500	8.49	10.0	-15.1	20.0
1,3,5-Trichlorobenzene	Ave	1.348	1.241		9.21	10.0	-7.9	20.0
1,2,4-Trichlorobenzene	Ave	1.093	0.9800	0.2000	8.97	10.0	-10.3	20.0
Hexachlorobutadiene	Ave	0.5642	0.5455		9.67	10.0	-3.3	20.0
Naphthalene	Ave	1.730	1.505		8.70	10.0	-13.0	20.0
1,2,3-Trichlorobenzene	Ave	0.8521	0.7746		9.09	10.0	-9.1	20.0
Dibromofluoromethane (Surr)	Ave	0.2422	0.2518		10.4	10.0	4.0	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0495	0.0519		10.5	10.0	4.8	20.0
Toluene-d8 (Surr)	Ave	1.281	1.249		9.75	10.0	-2.5	20.0
4-Bromofluorobenzene (Surr)	Ave	0.4817	0.4510		9.36	10.0	-6.4	20.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20241029-129145.b\CC29X32.D
Lims ID: CCVIS VSTD10
Client ID:
Sample Type: CCVIS
Inject. Date: 29-Oct-2024 21:31:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0129145-003
Misc. Info.: CCVIS VSTD10
Operator ID: gaw91131 Instrument ID: 10193
Sublist: chrom-MSV_10193_25mL*sub1

Method: \\chromfs\Lancaster\ChromData\10193\20241029-129145.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 29-Oct-2024 23:00:33 Calib Date: 15-Jun-2024 00:45:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1647

First Level Reviewer: JS6E Date: 29-Oct-2024 22:31:20

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.781	1.781	0.000	99	644733	10.0	9.03	
5 Chloromethane	50	1.957	1.957	0.000	99	607913	10.0	7.54	
6 Vinyl chloride	62	2.061	2.061	0.000	97	604913	10.0	7.62	
7 Butadiene	39	2.067	2.067	0.000	90	942812	10.0	11.1	
9 Bromomethane	94	2.354	2.354	0.000	90	533678	10.0	9.56	
10 Chloroethane	64	2.427	2.427	0.000	99	368251	10.0	8.10	
11 Dichlorofluoromethane	67	2.640	2.640	0.000	97	1106480	10.0	9.40	
12 Trichlorofluoromethane	101	2.695	2.695	0.000	97	989288	10.0	10.7	
13 Pentane	43	2.707	2.707	0.000	95	521117	10.0	6.61	
14 Ethyl ether	59	2.890	2.890	0.000	88	371188	10.0	8.90	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	2.988	2.988	0.000	86	592783	10.0	8.72	
17 Acrolein	56	3.049	3.049	0.000	99	2227972	501.1	400.2	
18 1,1-Dichloroethene	96	3.165	3.165	0.000	97	428467	10.0	8.71	
20 Acetone	43	3.195	3.195	0.000	100	657805	100.0	91.8	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.213	3.213	0.000	88	477574	10.0	9.44	
22 Iodomethane	142	3.329	3.329	0.000	98	1004019	10.0	9.81	
24 Isopropyl alcohol	45	3.354	3.354	0.000	37	258229	200.0	175.3	
23 Ethyl bromide	108	3.360	3.360	0.000	98	438180	10.0	9.79	
25 Carbon disulfide	76	3.421	3.421	0.000	99	1339197	10.0	8.39	
26 Methyl acetate	43	3.567	3.567	0.000	41	180407	10.0	8.77	
29 3-Chloro-1-propene	41	3.573	3.573	0.000	88	597321	10.0	7.31	
30 Methylene Chloride	84	3.744	3.744	0.000	85	497174	10.0	8.49	
* 31 t-Butyl alcohol-d10 (IS)	65	3.756	3.756	0.000	35	144466	50.0	50.0	M
32 2-Methyl-2-propanol	59	3.872	3.872	0.000	99	497300	200.0	178.0	
33 Acrylonitrile	53	4.049	4.049	0.000	95	233738	25.0	22.3	
34 Methyl tert-butyl ether	73	4.103	4.103	0.000	89	1307878	10.0	8.71	
35 trans-1,2-Dichloroethene	96	4.103	4.103	0.000	95	522531	10.0	8.90	
36 Hexane	57	4.518	4.518	0.000	92	545570	10.0	7.16	
37 1,1-Dichloroethane	63	4.756	4.756	0.000	96	840656	10.0	8.34	
39 Isopropyl ether	45	4.817	4.817	0.000	92	1322525	10.0	7.36	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 2-Chloro-1,3-butadiene	53	4.872	4.872	0.000	90	719500	10.0	8.61	
41 Tert-butyl ethyl ether	59	5.365	5.365	0.000	97	1468721	10.0	8.34	
42 2-Butanone (MEK)	43	5.573	5.573	0.000	99	1150969	100.0	87.5	
43 cis-1,2-Dichloroethene	96	5.609	5.609	0.000	79	610014	10.0	9.25	
44 2,2-Dichloropropane	77	5.621	5.621	0.000	88	816360	10.0	9.77	
45 Propionitrile	54	5.688	5.688	0.000	98	686128	200.0	193.4	
47 Methacrylonitrile	67	5.902	5.902	0.000	88	1340866	100.0	103.1	
48 Chlorobromomethane	128	5.938	5.938	0.000	82	312758	10.0	10.3	
49 Tetrahydrofuran	71	5.957	5.957	0.000	60	205860	50.0	50.1	
50 Chloroform	83	6.103	6.103	0.000	93	947490	10.0	8.87	
$ 54 Dibromofluoromethane (Surr)	113	6.322	6.322	0.000	82	541321	10.0	10.4	
53 1,1,1-Trichloroethane	97	6.329	6.329	0.000	97	871151	10.0	9.76	
55 Cyclohexane	56	6.420	6.420	0.000	87	693610	10.0	7.30	
56 Carbon tetrachloride	117	6.542	6.542	0.000	97	806189	10.0	9.98	
57 1,1-Dichloropropene	75	6.548	6.548	0.000	95	708318	10.0	8.88	
58 Isobutyl alcohol	41	6.743	6.743	0.000	90	432078	500.0	431.2	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.792	6.792	0.000	98	111587	10.0	10.5	
60 Benzene	78	6.816	6.816	0.000	96	2115510	10.0	8.82	
61 1,2-Dichloroethane	62	6.889	6.889	0.000	98	622433	10.0	10.2	
64 Tert-amyl methyl ether	73	7.017	7.017	0.000	99	1416789	10.0	8.66	
* 65 Fluorobenzene (IS)	96	7.231	7.231	0.000	98	2149610	10.0	10.0	
66 n-Heptane	43	7.255	7.255	0.000	82	543066	10.0	6.87	
67 n-Butanol	56	7.651	7.651	0.000	87	758228	875.0	823.3	
68 Trichloroethene	95	7.719	7.719	0.000	94	605977	10.0	9.18	
69 Methylcyclohexane	83	8.029	8.029	0.000	89	886508	10.0	8.38	
70 1,2-Dichloropropane	63	8.060	8.060	0.000	96	504312	10.0	8.22	
71 2-ethoxy-2-methyl butane	87	8.084	8.084	0.000	95	881562	10.0	8.83	
74 1,4-Dioxane	88	8.157	8.157	0.000	31	102864	500.0	569.1	M
73 Methyl methacrylate	69	8.164	8.164	0.000	88	256783	10.0	9.42	
72 Dibromomethane	93	8.170	8.170	0.000	89	295029	10.0	9.44	
76 Dichlorobromomethane	83	8.420	8.420	0.000	99	711027	10.0	9.60	
77 2-Nitropropane	41	8.706	8.706	0.000	97	416787	50.0	56.8	
78 1-Bromo-2-chloroethane	63	8.810	8.810	0.000	98	562728	10.0	9.38	
80 cis-1,3-Dichloropropene	75	8.993	8.993	0.000	96	842727	10.0	8.79	
82 4-Methyl-2-pentanone (MIBK)	43	9.200	9.200	0.000	94	3029084	100.0	90.1	
$ 83 Toluene-d8 (Surr)	98	9.322	9.322	0.000	93	2202795	10.0	9.75	
84 Toluene	92	9.407	9.407	0.000	99	1465478	10.0	8.75	
85 trans-1,3-Dichloropropene	75	9.694	9.694	0.000	91	751356	10.0	8.80	
86 Ethyl methacrylate	69	9.779	9.779	0.000	87	571369	10.0	7.82	
87 1,1,2-Trichloroethane	97	9.913	9.913	0.000	90	438881	10.0	9.06	
88 Tetrachloroethene	166	9.992	9.992	0.000	96	843628	10.0	10.1	
89 1,3-Dichloropropane	76	10.084	10.084	0.000	90	689073	10.0	8.56	
106 2-Hexanone	43	10.157	10.157	0.000	93	2237436	100.0	91.6	
108 Chlorodibromomethane	129	10.303	10.303	0.000	88	597275	10.0	9.60	
110 Ethylene Dibromide	107	10.419	10.419	0.000	98	440966	10.0	9.18	
* 111 Chlorobenzene-d5 (IS)	117	10.876	10.876	0.000	82	1763082	10.0	10.0	
112 1-Chlorohexane	91	10.895	10.895	0.000	95	790127	10.0	8.05	
113 Chlorobenzene	112	10.901	10.901	0.000	98	1872019	10.0	9.35	
114 1,1,1,2-Tetrachloroethane	131	10.992	10.992	0.000	96	689258	10.0	9.77	
115 Ethylbenzene	91	10.998	10.998	0.000	97	2948056	10.0	8.97	
116 m-Xylene & p-Xylene	106	11.120	11.120	0.000	97	2527041	20.0	18.8	
118 o-Xylene	106	11.462	11.462	0.000	95	1233868	10.0	9.29	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
119 Styrene	104	11.480	11.480	0.000	95	2066454	10.0	9.40	
120 Bromoform	173	11.632	11.632	0.000	99	373541	10.0	9.31	
121 Isopropylbenzene	105	11.773	11.773	0.000	95	2766117	10.0	8.78	
$ 124 4-Bromofluorobenzene (Surr)	95	11.919	11.919	0.000	97	795064	10.0	9.36	
126 1,1,2,2-Tetrachloroethane	83	12.035	12.035	0.000	72	538608	10.0	8.20	
125 Bromobenzene	156	12.035	12.035	0.000	83	912662	10.0	9.22	
127 trans-1,4-Dichloro-2-butene	53	12.059	12.059	0.000	92	1128038	100.0	73.1	
128 1,2,3-Trichloropropane	110	12.077	12.077	0.000	81	167006	10.0	9.16	
129 N-Propylbenzene	91	12.114	12.114	0.000	98	3638795	10.0	8.55	
130 2-Chlorotoluene	126	12.187	12.187	0.000	98	821241	10.0	8.61	
131 1,3,5-Trimethylbenzene	105	12.254	12.254	0.000	94	2735411	10.0	8.61	
132 4-Chlorotoluene	126	12.285	12.285	0.000	95	889727	10.0	8.95	
133 tert-Butylbenzene	134	12.498	12.498	0.000	91	687030	10.0	8.99	
134 Pentachloroethane	167	12.529	12.529	0.000	93	602818	10.0	10.5	
135 1,2,4-Trimethylbenzene	105	12.547	12.547	0.000	96	2862030	10.0	8.72	
136 sec-Butylbenzene	105	12.669	12.669	0.000	93	3545609	10.0	8.65	
137 1,3-Dichlorobenzene	146	12.766	12.766	0.000	97	1816243	10.0	9.29	
138 4-Isopropyltoluene	119	12.779	12.779	0.000	97	3320236	10.0	9.01	
* 139 1,4-Dichlorobenzene-d4	152	12.821	12.821	0.000	92	1124976	10.0	10.0	
140 1,4-Dichlorobenzene	146	12.839	12.839	0.000	97	1828631	10.0	9.14	
141 1,2,3-Trimethylbenzene	120	12.852	12.852	0.000	98	1344001	10.0	8.87	
142 Benzyl chloride	126	12.919	12.919	0.000	97	294397	10.0	9.78	
145 p-Diethylbenzene	119	13.059	13.059	0.000	94	2039395	10.0	8.88	
143 n-Butylbenzene	92	13.077	13.077	0.000	97	1527057	10.0	8.63	
144 1,2-Dichlorobenzene	146	13.108	13.108	0.000	99	1678209	10.0	9.40	
148 1,2-Dibromo-3-Chloropropane	155	13.663	13.663	0.000	91	92365	10.0	8.49	
149 1,3,5-Trichlorobenzene	180	13.784	13.784	0.000	98	1396444	10.0	9.21	
150 1,2,4-Trichlorobenzene	180	14.217	14.217	0.000	94	1102511	10.0	8.97	
151 Hexachlorobutadiene	225	14.303	14.303	0.000	95	613626	10.0	9.67	
152 Naphthalene	128	14.400	14.400	0.000	96	1693333	10.0	8.70	
153 1,2,3-Trichlorobenzene	180	14.546	14.546	0.000	96	871364	10.0	9.09	
154 2-Methylnaphthalene	142	15.156	15.156	0.000	92	551829	10.0	6.40	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_#1_826_00150	Amount Added: 20.00	Units: uL	
MSV_LL_GAS826_00240	Amount Added: 20.00	Units: uL	
MSV_LL_#2_826_00158	Amount Added: 20.00	Units: uL	
MSV_HP25_ISSS_00101	Amount Added: 1.00	Units: uL	Run Reagent

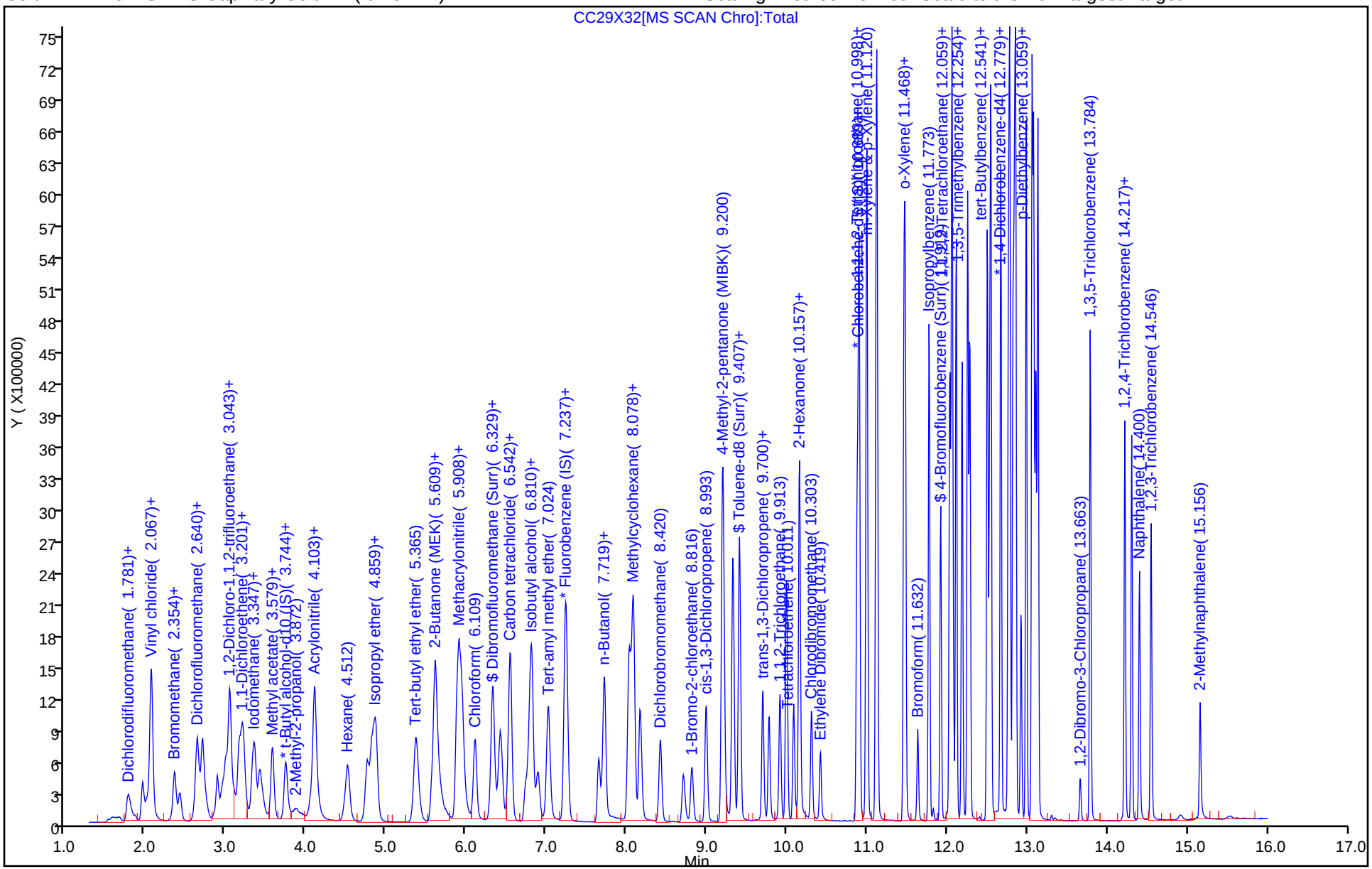
Report Date: 29-Oct-2024 23:00:33 Chrom Revision: 2.3 17-Oct-2024 11:42:22

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20241029-129145.b\CC29X32.D

Injection Date:	29-Oct-2024 21:31:30	Instrument ID:	10193	Operator ID:	gaw91131
Lims ID:	CCVIS VSTD10			Worklist Smp#:	3
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

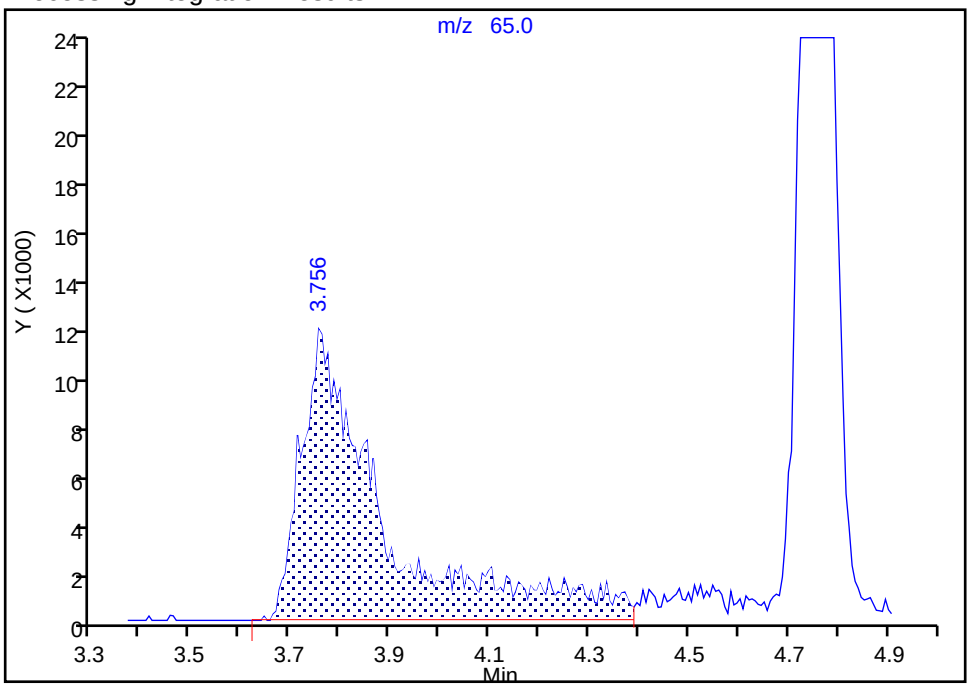
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Injection Date: 29-Oct-2024 21:31:30 Instrument ID: 10193
Lims ID: CCVIS VSTD10
Client ID:
Operator ID: gaw91131 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

* 31 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

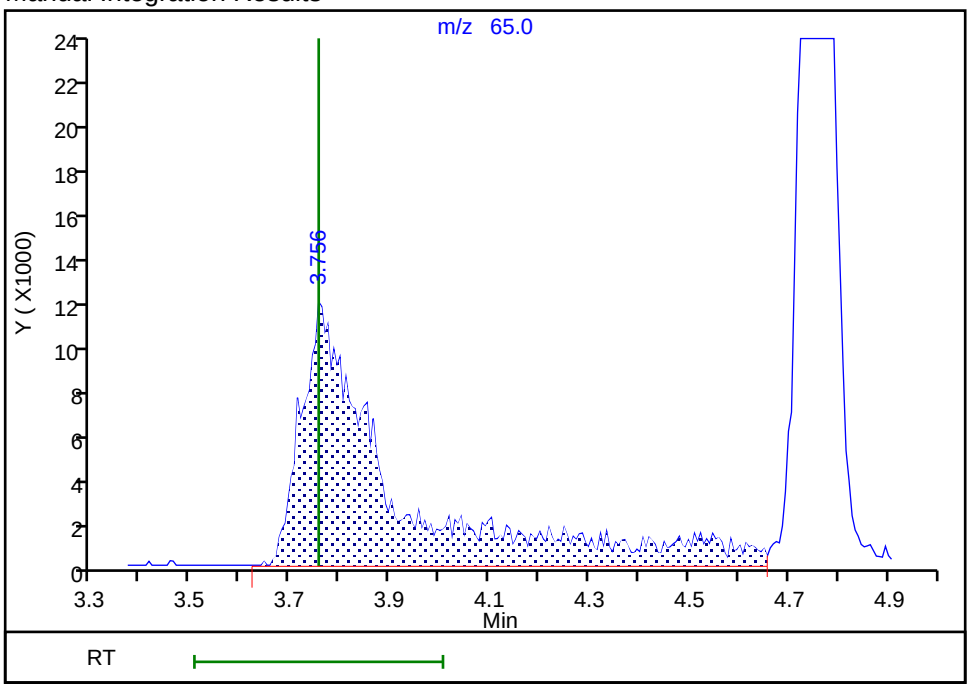
Processing Integration Results

RT: 3.76
Area: 130309
Amount: 50.000000
Amount Units: ug/l



Manual Integration Results

RT: 3.76
Area: 144466
Amount: 50.000000
Amount Units: ug/l



Reviewer: JS6E, 29-Oct-2024 22:15:23 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

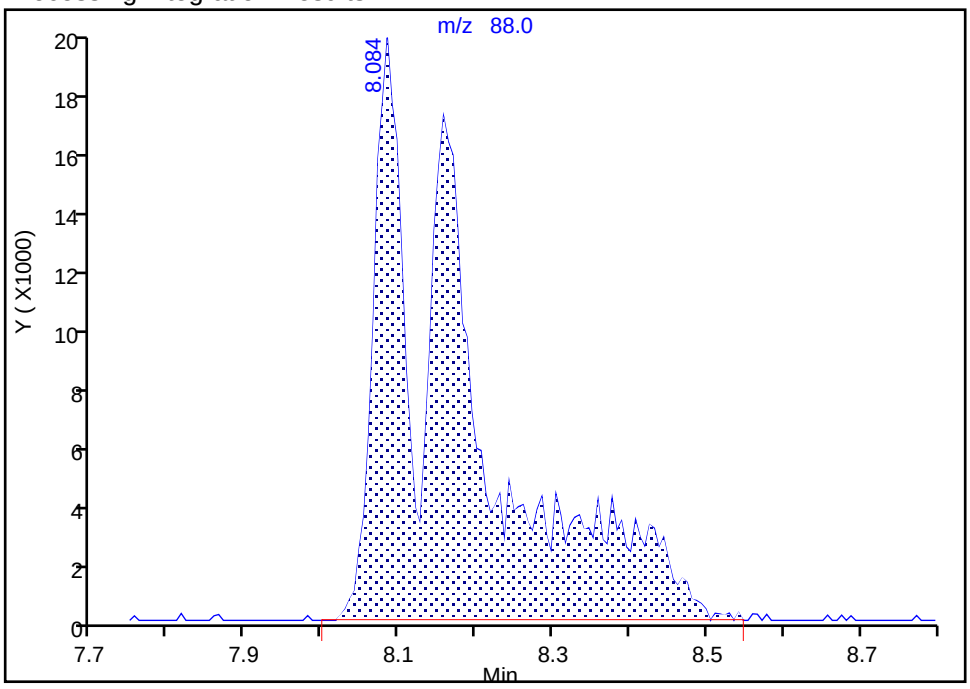
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Injection Date: 29-Oct-2024 21:31:30 Instrument ID: 10193
Lims ID: CCVIS VSTD10
Client ID:
Operator ID: gaw91131 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

74 1,4-Dioxane, CAS: 123-91-1

Signal: 1

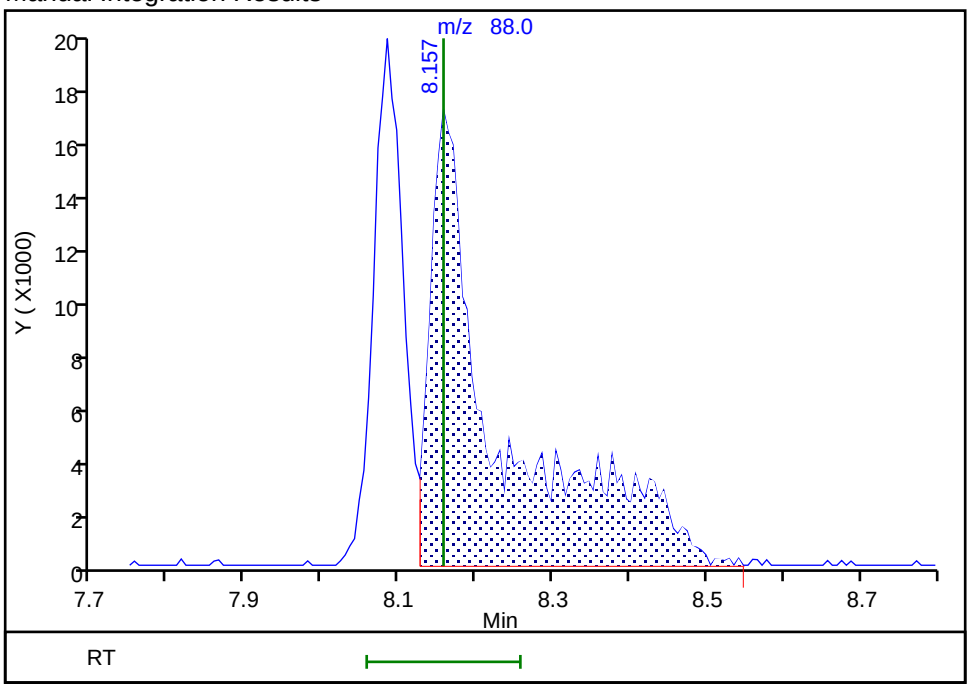
Processing Integration Results

RT: 8.08
Area: 153809
Amount: 851.0300
Amount Units: ug/l



Manual Integration Results

RT: 8.16
Area: 102864
Amount: 569.1497
Amount Units: ug/l



Reviewer: JS6E, 29-Oct-2024 22:15:55 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Lab Sample ID: ICV 410-544533/21 Calibration Date: 08/26/2024 17:46

Instrument ID: 16334 Calib Start Date: 08/26/2024 14:49

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 08/26/2024 17:02

Lab File ID: GG26X10.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	0.2401	0.2438	0.1000	5.08	5.00	1.5	30.0
Chloromethane	Ave	0.2578	0.2591	0.1000	5.02	5.00	0.5	30.0
Vinyl chloride	Ave	0.2406	0.2594	0.1000	5.39	5.00	7.8	30.0
1,3-Butadiene	Ave	0.2488	0.2231		4.48	5.00	-10.3	30.0
Bromomethane	Ave	0.1876	0.1892	0.1000	5.04	5.00	0.8	30.0
Chloroethane	Ave	0.1452	0.1527	0.1000	5.26	5.00	5.1	30.0
Dichlorofluoromethane	Ave	0.4099	0.3635		4.43	5.00	-11.3	30.0
Trichlorofluoromethane	Ave	0.3369	0.3345	0.1000	4.96	5.00	-0.7	30.0
Pentane	None					5.00		30.0
Ethyl ether	Ave	0.1164	0.1186		5.08	4.98	1.9	30.0
Freon 123a	Ave	0.2193	0.2261		5.15	5.00	3.1	30.0
Acrolein	Ave	1.874	2.029		40.7	37.6	8.3	30.0
1,1-Dichloroethene	Ave	0.1727	0.1881	0.1000	5.45	5.00	8.9	30.0
Acetone	Ave	2.402	2.228	0.1000	58.0	62.5	-7.3	30.0
Freon 113	Ave	0.1804	0.1855	0.1000	5.14	5.00	2.8	30.0
Methyl iodide	Ave	0.3488	0.3342		4.79	5.00	-4.2	30.0
Ethyl bromide	Ave	0.1530	0.1783		5.50	4.72	16.6	30.0
Carbon disulfide	Ave	0.5859	0.5826	0.1000	4.97	5.00	-0.6	30.0
Methyl acetate	Ave	6.101	5.906	0.1000	4.84	5.00	-3.2	30.0
Allyl chloride	Ave	0.2755	0.2668		4.84	5.00	-3.1	30.0
Methylene Chloride	Ave	0.1903	0.1921	0.1000	5.05	5.00	1.0	30.0
t-Butyl alcohol	Ave	0.6415	0.6530		50.9	50.0	1.8	30.0
Acrylonitrile	Ave	3.031	3.273		27.0	25.0	8.0	30.0
Methyl tert-butyl ether	Ave	0.3785	0.3699	0.1000	4.89	5.00	-2.3	30.0
trans-1,2-Dichloroethene	Ave	0.1998	0.2085	0.1000	5.22	5.00	4.4	30.0
n-Hexane	Ave	0.2464	0.2553		5.18	5.00	3.6	30.0
1,1-Dichloroethane	Ave	0.3419	0.3609	0.2000	5.28	5.00	5.6	30.0
di-Isopropyl ether	Ave	0.5451	0.5353		4.91	5.00	-1.8	30.0
2-Chloro-1,3-butadiene	Ave	0.2694	0.2656		4.93	5.00	-1.4	30.0
Ethyl t-butyl ether	Ave	0.5019	0.4945		4.93	5.00	-1.5	30.0
2-Butanone (MEK)	Ave	3.637	3.959	0.1000	68.0	62.5	8.9	30.0
cis-1,2-Dichloroethene	Ave	0.2229	0.2319	0.1000	5.20	5.00	4.0	30.0
2,2-Dichloropropane	Ave	0.3020	0.3064		5.07	5.00	1.4	30.0
Propionitrile	Ave	0.9792	1.123		43.0	37.5	14.7	30.0
Methacrylonitrile	Ave	4.268	4.655		40.9	37.5	9.1	30.0
Bromochloromethane	Ave	0.0887	0.0935		5.28	5.00	5.5	30.0
Tetrahydrofuran	Ave	1.055	1.181		28.0	25.0	11.9	30.0
Chloroform	Ave	0.3547	0.3628	0.2000	5.11	5.00	2.3	30.0
1,1,1-Trichloroethane	Ave	0.3144	0.3331	0.1000	5.30	5.00	5.9	30.0
Cyclohexane	Ave	0.2971	0.3027	0.1000	5.09	5.00	1.9	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Lab Sample ID: ICV 410-544533/21 Calibration Date: 08/26/2024 17:46

Instrument ID: 16334 Calib Start Date: 08/26/2024 14:49

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 08/26/2024 17:02

Lab File ID: GG26X10.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	0.2838	0.3042	0.1000	5.36	5.00	7.2	30.0
1,1-Dichloropropene	Ave	0.2671	0.2790		5.22	5.00	4.4	30.0
Isobutyl alcohol	Ave	0.0017	0.0015		115	125	-8.1	30.0
Benzene	Ave	0.8052	0.8164	0.5000	5.07	5.00	1.4	30.0
1,2-Dichloroethane	Ave	0.1878	0.1955	0.1000	5.21	5.00	4.1	30.0
t-Amyl methyl ether	Ave	0.4188	0.4143		4.95	5.00	-1.1	30.0
n-Heptane	Ave	0.2511	0.2626		5.23	5.00	4.6	30.0
n-Butanol	Ave	0.1616	0.1681		260	250	4.0	30.0
Trichloroethene	Ave	0.2202	0.2261	0.2000	5.14	5.00	2.7	30.0
Methylcyclohexane	Ave	0.3354	0.3492	0.1000	5.21	5.00	4.1	30.0
1,2-Dichloropropane	Ave	0.1901	0.1957	0.1000	5.15	5.00	3.0	30.0
Dibromomethane	Ave	0.0834	0.0868		5.21	5.00	4.1	30.0
Methyl methacrylate	Ave	7.578	7.887		5.20	5.00	4.1	30.0
1,4-Dioxane	Lin		0.0560	0.0050	141	125	12.4	30.0
Bromodichloromethane	Ave	0.2294	0.2416	0.2000	5.27	5.00	5.3	30.0
2-Nitropropane	Ave	2.461	2.093		4.25	5.00	-14.9	30.0
1-Bromo-2-chloroethane	Ave	0.1651	0.1693		5.13	5.00	2.6	30.0
cis-1,3-Dichloropropene	Ave	0.2781	0.2789	0.2000	5.01	5.00	0.3	30.0
4-Methyl-2-pentanone (MIBK)	Ave	9.286	10.20	0.1000	68.7	62.5	9.9	30.0
Toluene	Ave	0.7071	0.7133	0.4000	5.04	5.00	0.9	30.0
trans-1,3-Dichloropropene	Ave	0.2785	0.2927	0.1000	5.26	5.00	5.1	30.0
Ethyl methacrylate	Ave	0.1724	0.1877		5.44	5.00	8.8	30.0
1,1,2-Trichloroethane	Ave	0.1608	0.1658	0.1000	5.15	5.00	3.1	30.0
Tetrachloroethene	Ave	0.3410	0.3509	0.2000	5.14	5.00	2.9	30.0
1,3-Dichloropropane	Ave	0.2640	0.2790		5.28	5.00	5.7	30.0
2-Hexanone	Ave	5.645	6.610	0.1000	73.2	62.5	17.1	30.0
Dibromochloromethane	Ave	0.2027	0.2185		5.39	5.00	7.8	30.0
1,2-Dibromoethane (EDB)	Ave	0.1452	0.1572	0.1000	5.41	5.00	8.3	30.0
1-Chlorohexane	Ave	0.3857	0.3805		4.93	5.00	-1.4	30.0
Chlorobenzene	Ave	0.8095	0.8222	0.5000	5.08	5.00	1.6	30.0
1,1,1,2-Tetrachloroethane	Ave	0.2804	0.2905		5.18	5.00	3.6	30.0
Ethylbenzene	Ave	1.361	1.410	0.1000	5.18	5.00	3.5	30.0
m&p-Xylene	Ave	0.5381	0.5562	0.1000	10.3	10.0	3.4	30.0
o-Xylene	Ave	0.5288	0.5374	0.3000	5.08	5.00	1.6	30.0
Styrene	Ave	0.7911	0.8499	0.3000	5.37	5.00	7.4	30.0
Bromoform	Ave	0.1080	0.1165	0.1000	5.40	5.00	7.9	30.0
Isopropylbenzene	Ave	1.311	1.455	0.1000	5.55	5.00	11.0	30.0
1,1,2,2-Tetrachloroethane	Ave	0.3183	0.3256	0.3000	5.11	5.00	2.3	30.0
Bromobenzene	Ave	0.5969	0.6123		5.13	5.00	2.6	30.0
trans-1,4-Dichloro-2-butene	Ave	3.879	3.969		25.6	25.0	2.3	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Lab Sample ID: ICV 410-544533/21 Calibration Date: 08/26/2024 17:46

Instrument ID: 16334 Calib Start Date: 08/26/2024 14:49

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 08/26/2024 17:02

Lab File ID: GG26X10.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	0.0852	0.0917		5.38	5.00	7.7	30.0
N-Propylbenzene	Ave	2.849	2.989		5.25	5.00	4.9	30.0
2-Chlorotoluene	Ave	0.6223	0.6293		5.06	5.00	1.1	30.0
1,3,5-Trimethylbenzene	Ave	2.133	2.203		5.16	5.00	3.3	30.0
4-Chlorotoluene	Ave	0.6441	0.6331		4.91	5.00	-1.7	30.0
tert-Butylbenzene	Ave	0.5000	0.5146		5.15	5.00	2.9	30.0
Pentachloroethane	Ave	0.3642	0.3708		5.09	5.00	1.8	30.0
1,2,4-Trimethylbenzene	Ave	2.160	2.246		5.20	5.00	4.0	30.0
sec-Butylbenzene	Ave	2.741	2.858		5.21	5.00	4.2	30.0
1,3-Dichlorobenzene	Ave	1.230	1.266	0.6000	5.15	5.00	2.9	30.0
p-Isopropyltoluene	Ave	2.447	2.494		5.10	5.00	1.9	30.0
1,4-Dichlorobenzene	Ave	1.297	1.273	0.5000	4.91	5.00	-1.9	30.0
1,2,3-Trimethylbenzene	Ave	0.9695	0.9315		4.80	5.00	-3.9	30.0
Benzyl chloride	Ave	0.1328	0.1432		5.39	5.00	7.8	30.0
n-Butylbenzene	Ave	1.142	1.205		5.27	5.00	5.5	30.0
1,2-Dichlorobenzene	Ave	1.068	1.089	0.4000	5.10	5.00	2.0	30.0
1,2-Dibromo-3-Chloropropane	Qua		0.0430*	0.0500	3.66	5.00	-26.8	30.0
1,3,5-Trichlorobenzene	Ave	1.070	1.088		5.09	5.00	1.7	30.0
1,2,4-Trichlorobenzene	Ave	0.8864	0.9244	0.2000	5.21	5.00	4.3	30.0
Hexachlorobutadiene	Ave	0.4921	0.4952		5.03	5.00	0.6	30.0
Naphthalene	Ave	1.157	1.200		5.19	5.00	3.7	30.0
1,2,3-Trichlorobenzene	Ave	0.7365	0.7357		4.99	5.00	-0.1	30.0
Dibromofluoromethane (Surr)	Ave	0.2396	0.2388		9.97	10.0	-0.3	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0445	0.0446		10.0	10.0	0.3	30.0
Toluene-d8 (Surr)	Ave	1.309	1.302		9.95	10.0	-0.5	30.0
4-Bromofluorobenzene (Surr)	Ave	0.4599	0.4627		10.1	10.0	0.6	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20240826-123245.b\GG26X10.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 26-Aug-2024 17:46:30 ALS Bottle#: 10 Worklist Smp#: 21
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0123245-021
Misc. Info.: ICV
Operator ID: knk41612 Instrument ID: 16334
Sublist:

Method: \\chromfs\Lancaster\ChromData\16334\20240826-123245.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 29-Aug-2024 10:40:01 Calib Date: 26-Aug-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\16334\20240826-123245.b\GG26X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1615

First Level Reviewer: DVW2 Date: 29-Aug-2024 09:27:33

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.837	1.831	0.006	99	263654	5.00	5.08	
5 Chloromethane	50	2.020	2.020	0.000	99	280190	5.00	5.02	
6 Vinyl chloride	62	2.123	2.123	0.000	97	280583	5.00	5.39	
7 Butadiene	39	2.135	2.135	0.000	92	241330	5.00	4.48	
9 Bromomethane	94	2.440	2.440	0.000	90	204574	5.00	5.04	
10 Chloroethane	64	2.501	2.501	0.000	100	165131	5.00	5.26	
11 Dichlorofluoromethane	67	2.739	2.733	0.006	97	393158	5.00	4.43	
12 Trichlorofluoromethane	101	2.800	2.794	0.006	98	361714	5.00	4.96	
13 Ethyl ether	59	3.007	3.007	0.000	90	127834	4.98	5.08	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.099	3.093	0.006	90	244512	5.00	5.15	
17 Acrolein	56	3.172	3.160	0.012	99	128147	37.6	40.7	
18 1,1-Dichloroethene	96	3.288	3.288	0.000	97	203425	5.00	5.45	
19 Acetone	43	3.324	3.324	0.000	100	233956	62.5	58.0	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.330	3.330	0.000	90	200584	5.00	5.14	
22 Iodomethane	142	3.464	3.464	0.000	99	361465	5.00	4.79	
23 Ethyl bromide	108	3.489	3.489	0.000	98	181868	4.72	5.50	
21 Isopropyl alcohol	45	3.507	3.495	0.012	27	20260	37.5	39.4	
24 Carbon disulfide	76	3.562	3.562	0.000	99	630096	5.00	4.97	
25 Methyl acetate	43	3.714	3.708	0.006	32	49622	5.00	4.84	
27 3-Chloro-1-propene	41	3.720	3.720	0.000	92	288554	5.00	4.84	
29 Methylene Chloride	84	3.891	3.891	0.000	89	207766	5.00	5.05	
* 30 t-Butyl alcohol-d10 (IS)	65	3.928	3.922	0.006	97	84020	50.0	50.0	M
31 2-Methyl-2-propanol	59	4.050	4.037	0.013	100	54863	50.0	50.9	
32 Acrylonitrile	53	4.214	4.214	0.000	99	137495	25.0	27.0	
34 trans-1,2-Dichloroethene	96	4.281	4.275	0.006	98	225504	5.00	5.22	
33 Methyl tert-butyl ether	73	4.275	4.281	-0.006	78	400049	5.00	4.89	
35 Hexane	57	4.702	4.702	0.000	92	276151	5.00	5.18	
37 1,1-Dichloroethane	63	4.940	4.934	0.006	96	390344	5.00	5.28	
38 Isopropyl ether	45	5.013	5.007	0.006	94	578976	5.00	4.91	
39 2-Chloro-1,3-butadiene	53	5.056	5.049	0.007	90	287297	5.00	4.93	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 Tert-butyl ethyl ether	59	5.543	5.549	-0.006	98	534758	5.00	4.93	
41 2-Butanone (MEK)	43	5.763	5.769	-0.006	100	415796	62.5	68.0	
42 cis-1,2-Dichloroethene	96	5.787	5.781	0.006	81	250781	5.00	5.20	
43 2,2-Dichloropropane	77	5.793	5.793	0.000	87	331320	5.00	5.07	
45 Propionitrile	54	5.866	5.854	0.012	96	70748	37.5	43.0	
48 Methacrylonitrile	67	6.068	6.068	0.000	90	293331	37.5	40.9	
49 Chlorobromomethane	128	6.116	6.110	0.006	89	101161	5.00	5.28	
50 Tetrahydrofuran	71	6.141	6.147	-0.006	85	49618	25.0	28.0	
51 Chloroform	83	6.275	6.269	0.006	93	392377	5.00	5.11	
$ 52 Dibromofluoromethane (Surr)	113	6.488	6.488	0.000	94	516518	10.0	9.97	
53 1,1,1-Trichloroethane	97	6.494	6.494	0.000	98	360249	5.00	5.30	
54 Cyclohexane	56	6.592	6.592	0.000	89	327422	5.00	5.09	
55 Carbon tetrachloride	117	6.708	6.708	0.000	96	328968	5.00	5.36	
56 1,1-Dichloropropene	75	6.720	6.714	0.006	98	301692	5.00	5.22	
58 Isobutyl alcohol	41	6.909	6.909	0.000	92	41237	125.0	114.8	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.945	6.945	0.000	86	96557	10.0	10.0	
60 Benzene	78	6.976	6.976	0.000	97	882921	5.00	5.07	
61 1,2-Dichloroethane	62	7.049	7.049	0.000	98	211477	5.00	5.21	
63 Tert-amyl methyl ether	73	7.183	7.183	0.000	99	448023	5.00	4.95	
* 64 Fluorobenzene (IS)	96	7.390	7.390	0.000	99	2163002	10.0	10.0	
65 n-Heptane	43	7.409	7.409	0.000	91	284014	5.00	5.23	
67 n-Butanol	56	7.817	7.805	0.012	95	70615	250.0	260.0	
68 Trichloroethene	95	7.872	7.872	0.000	97	244580	5.00	5.14	
69 Methylcyclohexane	83	8.171	8.171	0.000	88	377646	5.00	5.21	
70 1,2-Dichloropropane	63	8.201	8.195	0.006	97	211698	5.00	5.15	
71 2-ethoxy-2-methyl butane	87	8.226	8.226	0.000	94	327973	5.00	5.01	
72 Methyl methacrylate	69	8.311	8.305	0.006	83	66263	5.00	5.20	
73 1,4-Dioxane	88	8.329	8.305	0.024	29	11766	125.0	140.6	
74 Dibromomethane	93	8.311	8.311	0.000	94	93878	5.00	5.21	
76 Dichlorobromomethane	83	8.549	8.555	-0.006	99	261274	5.00	5.27	
77 2-Nitropropane	41	8.835	8.829	0.006	96	17587	5.00	4.25	
79 1-Bromo-2-chloroethane	63	8.945	8.945	0.000	98	183150	5.00	5.13	
81 cis-1,3-Dichloropropene	75	9.116	9.116	0.000	96	301586	5.00	5.01	
82 4-Methyl-2-pentanone (MIBK)	43	9.311	9.311	0.000	96	1071587	62.5	68.7	
$ 83 Toluene-d8 (Surr)	98	9.439	9.439	0.000	93	2128514	10.0	9.95	
84 Toluene	92	9.518	9.518	0.000	98	582940	5.00	5.04	
85 trans-1,3-Dichloropropene	75	9.792	9.792	0.000	92	239214	5.00	5.26	
86 Ethyl methacrylate	69	9.872	9.866	0.006	88	153392	5.00	5.44	
107 1,1,2-Trichloroethane	97	10.000	10.000	0.000	91	135469	5.00	5.15	
108 Tetrachloroethene	166	10.091	10.091	0.000	97	286749	5.00	5.14	
109 1,3-Dichloropropane	76	10.164	10.164	0.000	89	228002	5.00	5.28	
110 2-Hexanone	43	10.237	10.237	0.000	96	694229	62.5	73.2	
112 Chlorodibromomethane	129	10.384	10.384	0.000	90	178585	5.00	5.39	
113 Ethylene Dibromide	107	10.494	10.494	0.000	98	128501	5.00	5.41	
* 114 Chlorobenzene-d5 (IS)	117	10.939	10.939	0.000	84	1634471	10.0	10.0	
115 1-Chlorohexane	91	10.957	10.951	0.006	95	310955	5.00	4.93	
116 Chlorobenzene	112	10.963	10.963	0.000	96	671962	5.00	5.08	
117 1,1,1,2-Tetrachloroethane	131	11.048	11.048	0.000	96	237415	5.00	5.18	
118 Ethylbenzene	91	11.054	11.054	0.000	98	1151994	5.00	5.18	
120 m-Xylene & p-Xylene	106	11.176	11.170	0.006	100	909035	10.0	10.3	
121 o-Xylene	106	11.506	11.506	0.000	96	439153	5.00	5.08	
122 Styrene	104	11.524	11.524	0.000	94	694571	5.00	5.37	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
123 Bromoform	173	11.676	11.676	0.000	98	95225	5.00	5.40	
124 Isopropylbenzene	105	11.810	11.810	0.000	95	1188677	5.00	5.55	
$ 127 4-Bromofluorobenzene (Surr)	95	11.951	11.951	0.000	93	756240	10.0	10.1	
128 1,1,2,2-Tetrachloroethane	83	12.060	12.060	0.000	95	148825	5.00	5.11	
129 Bromobenzene	156	12.066	12.066	0.000	94	279874	5.00	5.13	
130 trans-1,4-Dichloro-2-butene	53	12.085	12.085	0.000	93	166726	25.0	25.6	
131 1,2,3-Trichloropropane	110	12.103	12.103	0.000	81	41929	5.00	5.38	
132 N-Propylbenzene	91	12.140	12.140	0.000	99	1366024	5.00	5.25	
133 2-Chlorotoluene	126	12.213	12.213	0.000	97	287656	5.00	5.06	
134 1,3,5-Trimethylbenzene	105	12.280	12.280	0.000	94	1006985	5.00	5.16	
135 4-Chlorotoluene	126	12.310	12.304	0.006	96	289395	5.00	4.91	
136 tert-Butylbenzene	134	12.518	12.518	0.000	93	235210	5.00	5.15	
137 Pentachloroethane	167	12.548	12.548	0.000	91	169486	5.00	5.09	
138 1,2,4-Trimethylbenzene	105	12.560	12.560	0.000	97	1026416	5.00	5.20	
139 sec-Butylbenzene	105	12.682	12.682	0.000	94	1306160	5.00	5.21	
140 1,3-Dichlorobenzene	146	12.780	12.780	0.000	99	578540	5.00	5.15	
141 4-Isopropyltoluene	119	12.792	12.792	0.000	97	1140187	5.00	5.10	
* 142 1,4-Dichlorobenzene-d4	152	12.835	12.835	0.000	93	914183	10.0	10.0	
143 1,4-Dichlorobenzene	146	12.853	12.853	0.000	96	581879	5.00	4.91	
144 1,2,3-Trimethylbenzene	120	12.865	12.865	0.000	98	425759	5.00	4.80	
145 Benzyl chloride	126	12.932	12.932	0.000	98	65453	5.00	5.39	
146 p-Diethylbenzene	119	13.060	13.060	0.000	94	711586	5.00	5.22	
147 n-Butylbenzene	92	13.078	13.078	0.000	97	550734	5.00	5.27	
148 1,2-Dichlorobenzene	146	13.109	13.109	0.000	99	497800	5.00	5.10	
150 1,2-Dibromo-3-Chloropropane	155	13.658	13.651	0.007	89	19661	5.00	3.66	
151 1,3,5-Trichlorobenzene	180	13.779	13.773	0.006	98	497384	5.00	5.09	
152 1,2,4-Trichlorobenzene	180	14.194	14.194	0.000	94	422522	5.00	5.21	
153 Hexachlorobutadiene	225	14.279	14.279	0.000	96	226341	5.00	5.03	
154 Naphthalene	128	14.377	14.371	0.006	97	548550	5.00	5.19	
155 1,2,3-Trichlorobenzene	180	14.517	14.517	0.000	96	336291	5.00	4.99	
156 2-Methylnaphthalene	142	15.115	15.108	0.007	92	320532	5.00	5.64	
167 Pentane	43	2.812	2.806	0.006	97	309055	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Review Flags

M - Manually Integrated

Reagents:

MSV_LCS_Penta_00045	Amount Added:	12.50	Units: uL	
MSV_LCS_VOC#1_00182	Amount Added:	12.50	Units: uL	
LCS_ETBR_00008	Amount Added:	12.50	Units: uL	
MSV_QC_Gas826_00216	Amount Added:	12.50	Units: uL	
MSV_LCS_ACROL_00186	Amount Added:	12.50	Units: uL	
MSV_LCS_EE_00009	Amount Added:	12.50	Units: uL	
MSV_HP25_ISSS_00094	Amount Added:	1.00	Units: uL	Run Reagent

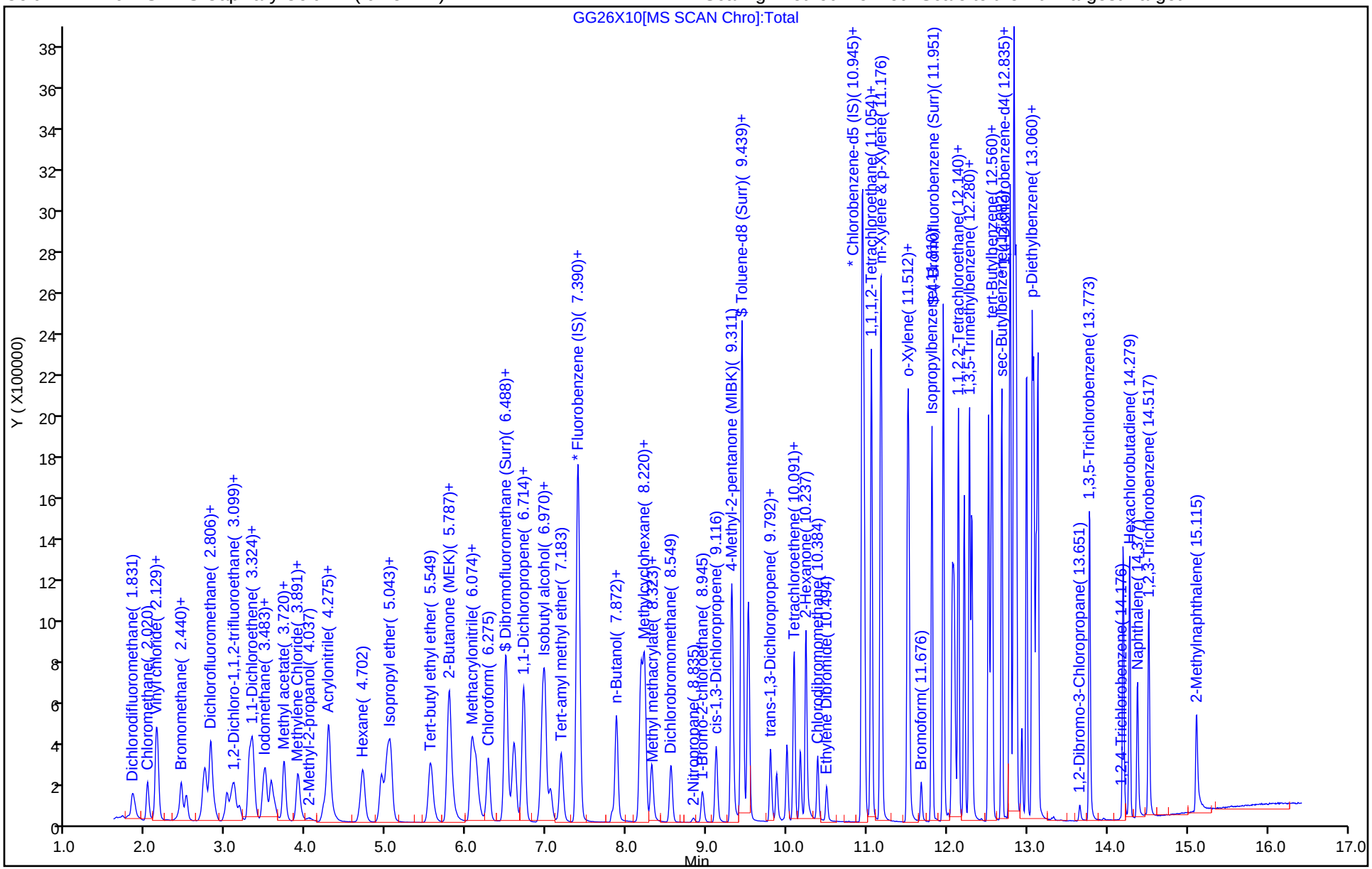
Report Date: 29-Aug-2024 10:40:12 Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20240826-123245.b\GG26X10.D

Injection Date:	26-Aug-2024 17:46:30	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



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

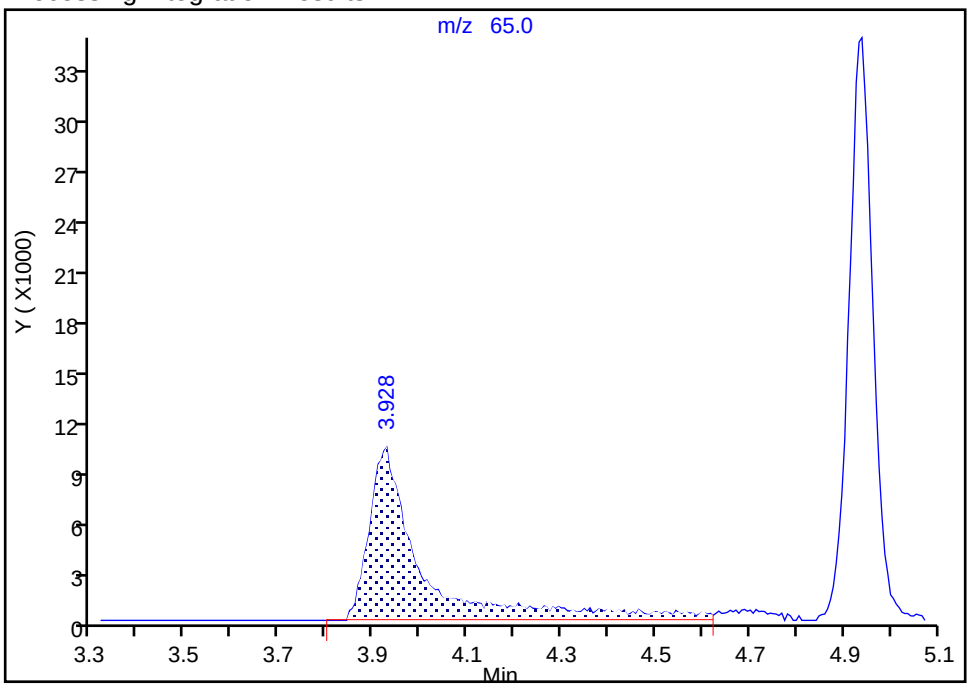
Data File:	\\chromfs\Lancaster\ChromData\16334\20240826-123245.b\GG26X10.D				
Injection Date:	26-Aug-2024 17:46:30	Instrument ID:	16334		
Lims ID:	ICV				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	10	Worklist Smp#:	21
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

* 30 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

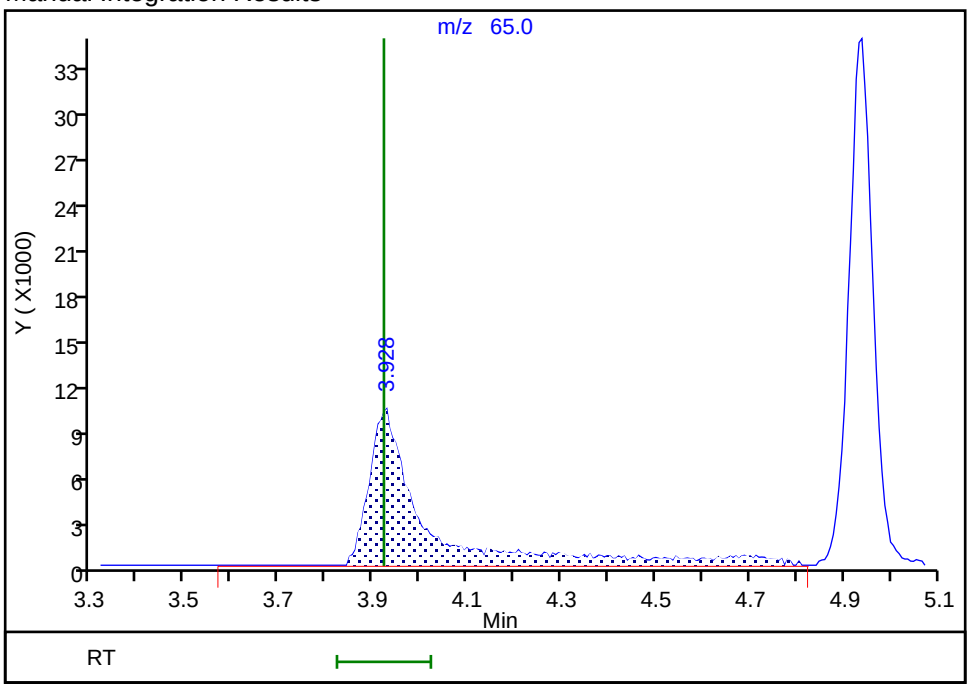
Processing Integration Results

RT: 3.93
Area: 79446
Amount: 50.000000
Amount Units: ug/l



Manual Integration Results

RT: 3.93
Area: 84020
Amount: 50.000000
Amount Units: ug/l



Reviewer: DVW2, 29-Aug-2024 09:26:59 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Lab Sample ID: CCVIS 410-566703/3 Calibration Date: 10/23/2024 09:58

Instrument ID: 16334 Calib Start Date: 08/26/2024 14:49

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 08/26/2024 17:02

Lab File ID: GC23X02.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	0.2401	0.2690	0.1000	11.2	10.0	12.1	20.0
Chloromethane	Ave	0.2578	0.2817	0.1000	10.9	10.0	9.3	20.0
1,3-Butadiene	Ave	0.2488	0.4016		16.1	10.0	61.4*	20.0
Vinyl chloride	Ave	0.2406	0.2593	0.1000	10.8	10.0	7.8	20.0
Bromomethane	Ave	0.1876	0.1884	0.1000	10.0	10.0	0.4	20.0
Chloroethane	Ave	0.1452	0.1520	0.1000	10.5	10.0	4.7	20.0
Dichlorofluoromethane	Ave	0.4099	0.3713		9.06	10.0	-9.4	20.0
Pentane	None					10.0		20.0
Trichlorofluoromethane	Ave	0.3369	0.2879	0.1000	8.55	10.0	-14.5	20.0
Ethyl ether	Ave	0.1164	0.1116		9.59	10.0	-4.1	20.0
Freon 123a	Ave	0.2193	0.2378		10.8	10.0	8.4	20.0
Acrolein	Ave	1.874	1.651		441	501	-11.9	20.0
1,1-Dichloroethene	Ave	0.1727	0.1601	0.1000	9.27	10.0	-7.3	20.0
Acetone	Ave	2.402	2.009	0.1000	83.7	100	-16.3	20.0
Freon 113	Ave	0.1804	0.1896	0.1000	10.5	10.0	5.1	20.0
Methyl iodide	Ave	0.3488	0.3232		9.26	10.0	-7.4	20.0
Ethyl bromide	Ave	0.1530	0.1499		9.82	10.0	-2.0	20.0
Carbon disulfide	Ave	0.5859	0.5752	0.1000	9.82	10.0	-1.8	20.0
Methyl acetate	Ave	6.101	5.666	0.1000	9.29	10.0	-7.1	20.0
Allyl chloride	Ave	0.2755	0.2749		9.98	10.0	-0.2	20.0
Methylene Chloride	Ave	0.1903	0.1765	0.1000	9.27	10.0	-7.3	20.0
t-Butyl alcohol	Ave	0.6415	0.6679		208	200	4.1	20.0
Acrylonitrile	Ave	3.031	2.678		22.1	25.0	-11.6	20.0
Methyl tert-butyl ether	Ave	0.3785	0.3573	0.1000	9.44	10.0	-5.6	20.0
trans-1,2-Dichloroethene	Ave	0.1998	0.1886	0.1000	9.44	10.0	-5.6	20.0
n-Hexane	Ave	0.2464	0.2689		10.9	10.0	9.1	20.0
1,1-Dichloroethane	Ave	0.3419	0.3484	0.2000	10.2	10.0	1.9	20.0
di-Isopropyl ether	Ave	0.5451	0.5642		10.4	10.0	3.5	20.0
2-Chloro-1,3-butadiene	Ave	0.2694	0.2871		10.7	10.0	6.5	20.0
Ethyl t-butyl ether	Ave	0.5019	0.4964		9.89	10.0	-1.1	20.0
2-Butanone (MEK)	Ave	3.637	3.284	0.1000	90.3	100	-9.7	20.0
cis-1,2-Dichloroethene	Ave	0.2229	0.2151	0.1000	9.65	10.0	-3.5	20.0
2,2-Dichloropropane	Ave	0.3020	0.3081		10.2	10.0	2.0	20.0
Propionitrile	Ave	0.9792	0.9422		192	200	-3.8	20.0
Methacrylonitrile	Ave	4.268	3.751		87.9	100	-12.1	20.0
Bromochloromethane	Ave	0.0887	0.0872		9.84	10.0	-1.6	20.0
Tetrahydrofuran	Ave	1.055	0.9652		45.7	50.0	-8.5	20.0
Chloroform	Ave	0.3547	0.3532	0.2000	9.96	10.0	-0.4	20.0
1,1,1-Trichloroethane	Ave	0.3144	0.3221	0.1000	10.2	10.0	2.5	20.0
Cyclohexane	Ave	0.2971	0.3215	0.1000	10.8	10.0	8.2	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Lab Sample ID: CCVIS 410-566703/3 Calibration Date: 10/23/2024 09:58

Instrument ID: 16334 Calib Start Date: 08/26/2024 14:49

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 08/26/2024 17:02

Lab File ID: GC23X02.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	0.2838	0.2901	0.1000	10.2	10.0	2.2	20.0
1,1-Dichloropropene	Ave	0.2671	0.2806		10.5	10.0	5.0	20.0
Isobutyl alcohol	Ave	0.0017	0.0021		647	500	29.4*	20.0
Benzene	Ave	0.8052	0.7929	0.5000	9.85	10.0	-1.5	20.0
1,2-Dichloroethane	Ave	0.1878	0.1998	0.1000	10.6	10.0	6.4	20.0
t-Amyl methyl ether	Ave	0.4188	0.4082		9.75	10.0	-2.5	20.0
n-Heptane	Ave	0.2511	0.2699		10.8	10.0	7.5	20.0
n-Butanol	Ave	0.1616	0.1641		888	875	1.5	20.0
Trichloroethene	Ave	0.2202	0.2162	0.2000	9.82	10.0	-1.8	20.0
Methylcyclohexane	Ave	0.3354	0.3601	0.1000	10.7	10.0	7.4	20.0
1,2-Dichloropropane	Ave	0.1901	0.1952	0.1000	10.3	10.0	2.7	20.0
Dibromomethane	Ave	0.0834	0.0844		10.1	10.0	1.3	20.0
Methyl methacrylate	Ave	7.578	6.145		8.11	10.0	-18.9	20.0
1,4-Dioxane	Lin		0.0598	0.0050	556	500	11.2	20.0
Bromodichloromethane	Ave	0.2294	0.2405	0.2000	10.5	10.0	4.9	20.0
2-Nitropropane	Ave	2.461	2.354		47.8	50.0	-4.3	20.0
1-Bromo-2-chloroethane	Ave	0.1651	0.1718		10.4	10.0	4.1	20.0
cis-1,3-Dichloropropene	Ave	0.2781	0.2806	0.2000	10.1	10.0	0.9	20.0
4-Methyl-2-pentanone (MIBK)	Ave	9.286	8.734	0.1000	94.1	100	-5.9	20.0
Toluene	Ave	0.7071	0.6746	0.4000	9.54	10.0	-4.6	20.0
trans-1,3-Dichloropropene	Ave	0.2785	0.2967	0.1000	10.7	10.0	6.5	20.0
Ethyl methacrylate	Ave	0.1724	0.1875		10.9	10.0	8.7	20.0
1,1,2-Trichloroethane	Ave	0.1608	0.1550	0.1000	9.64	10.0	-3.6	20.0
Tetrachloroethene	Ave	0.3410	0.3117	0.2000	9.14	10.0	-8.6	20.0
1,3-Dichloropropane	Ave	0.2640	0.2733		10.4	10.0	3.5	20.0
2-Hexanone	Ave	5.645	5.688	0.1000	101	100	0.8	20.0
Dibromochloromethane	Ave	0.2027	0.2081		10.3	10.0	2.7	20.0
1,2-Dibromoethane (EDB)	Ave	0.1452	0.1457	0.1000	10.0	10.0	0.3	20.0
1-Chlorohexane	Ave	0.3857	0.3815		9.89	10.0	-1.1	20.0
Chlorobenzene	Ave	0.8095	0.7795	0.5000	9.63	10.0	-3.7	20.0
1,1,1,2-Tetrachloroethane	Ave	0.2804	0.2732		9.74	10.0	-2.6	20.0
Ethylbenzene	Ave	1.361	1.391	0.1000	10.2	10.0	2.1	20.0
m&p-Xylene	Ave	0.5381	0.5324	0.1000	19.8	20.0	-1.0	20.0
o-Xylene	Ave	0.5288	0.5142	0.3000	9.72	10.0	-2.8	20.0
Styrene	Ave	0.7911	0.8035	0.3000	10.2	10.0	1.6	20.0
Bromoform	Ave	0.1080	0.1103	0.1000	10.2	10.0	2.2	20.0
Isopropylbenzene	Ave	1.311	1.252	0.1000	9.55	10.0	-4.5	20.0
1,1,2,2-Tetrachloroethane	Ave	0.3183	0.3394	0.3000	10.7	10.0	6.6	20.0
Bromobenzene	Ave	0.5969	0.5637		9.44	10.0	-5.6	20.0
trans-1,4-Dichloro-2-butene	Ave	3.879	2.074		53.5	100	-46.5*	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Lab Sample ID: CCVIS 410-566703/3 Calibration Date: 10/23/2024 09:58

Instrument ID: 16334 Calib Start Date: 08/26/2024 14:49

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 08/26/2024 17:02

Lab File ID: GC23X02.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	0.0852	0.0888		10.4	10.0	4.2	20.0
N-Propylbenzene	Ave	2.849	3.071		10.8	10.0	7.8	20.0
2-Chlorotoluene	Ave	0.6223	0.6129		9.85	10.0	-1.5	20.0
1,3,5-Trimethylbenzene	Ave	2.133	2.208		10.3	10.0	3.5	20.0
4-Chlorotoluene	Ave	0.6441	0.6429		9.98	10.0	-0.2	20.0
tert-Butylbenzene	Ave	0.5000	0.5031		10.1	10.0	0.6	20.0
Pentachloroethane	Ave	0.3642	0.3813		10.5	10.0	4.7	20.0
1,2,4-Trimethylbenzene	Ave	2.160	2.264		10.5	10.0	4.8	20.0
sec-Butylbenzene	Ave	2.741	2.917		10.6	10.0	6.4	20.0
1,3-Dichlorobenzene	Ave	1.230	1.205	0.6000	9.80	10.0	-2.0	20.0
p-Isopropyltoluene	Ave	2.447	2.554		10.4	10.0	4.4	20.0
1,4-Dichlorobenzene	Ave	1.297	1.201	0.5000	9.26	10.0	-7.4	20.0
1,2,3-Trimethylbenzene	Ave	0.9695	0.9579		9.88	10.0	-1.2	20.0
Benzyl chloride	Ave	0.1328	0.1403		10.6	10.0	5.7	20.0
n-Butylbenzene	Ave	1.142	1.265		11.1	10.0	10.7	20.0
1,2-Dichlorobenzene	Ave	1.068	1.052	0.4000	9.85	10.0	-1.5	20.0
1,2-Dibromo-3-Chloropropane	Qua		0.0434*	0.0500	7.06	10.0	-29.4*	20.0
1,3,5-Trichlorobenzene	Ave	1.070	1.037		9.69	10.0	-3.1	20.0
1,2,4-Trichlorobenzene	Ave	0.8864	0.8125	0.2000	9.17	10.0	-8.3	20.0
Hexachlorobutadiene	Ave	0.4921	0.4540		9.22	10.0	-7.8	20.0
Naphthalene	Ave	1.157	1.067		9.23	10.0	-7.7	20.0
1,2,3-Trichlorobenzene	Ave	0.7365	0.6282		8.53	10.0	-14.7	20.0
Dibromofluoromethane (Surr)	Ave	0.2396	0.2445		10.2	10.0	2.0	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0445	0.0443		9.94	10.0	-0.6	20.0
Toluene-d8 (Surr)	Ave	1.309	1.351		10.3	10.0	3.2	20.0
4-Bromofluorobenzene (Surr)	Ave	0.4599	0.4677		10.2	10.0	1.7	20.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X02.D
Lims ID: CCVIS VSTD10
Client ID:
Sample Type: CCVIS
Inject. Date: 23-Oct-2024 09:58:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0128543-003
Misc. Info.: CCVIS VSTD10
Operator ID: ecr105096 Instrument ID: 16334
Sublist: chrom-MSV_16334_25mL*sub4

Method: \\chromfs\Lancaster\ChromData\16334\20241023-128543.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 23-Oct-2024 12:33:00 Calib Date: 26-Aug-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\16334\20240826-123245.b\GG26X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1690

First Level Reviewer: N7YK Date: 23-Oct-2024 10:37:10

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.843	1.843	0.000	99	591311	10.0	11.2	
5 Chloromethane	50	2.032	2.032	0.000	99	619238	10.0	10.9	
7 Butadiene	39	2.123	2.123	0.000	92	882686	10.0	16.1	
6 Vinyl chloride	62	2.136	2.136	0.000	98	570043	10.0	10.8	
9 Bromomethane	94	2.453	2.453	0.000	90	414062	10.0	10.0	M
10 Chloroethane	64	2.495	2.495	0.000	100	334182	10.0	10.5	
11 Dichlorofluoromethane	67	2.715	2.715	0.000	97	816197	10.0	9.06	
12 Trichlorofluoromethane	101	2.812	2.812	0.000	58	632888	10.0	8.55	
13 Ethyl ether	59	3.007	3.007	0.000	92	245173	10.0	9.59	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.087	3.087	0.000	92	522649	10.0	10.8	
17 Acrolein	56	3.160	3.160	0.000	99	1713277	501.1	441.4	
18 1,1-Dichloroethene	96	3.288	3.288	0.000	98	351936	10.0	9.27	
19 Acetone	43	3.324	3.324	0.000	67	416055	100.0	83.7	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.324	3.324	0.000	93	416818	10.0	10.5	
22 Iodomethane	142	3.465	3.465	0.000	100	710309	10.0	9.26	
21 Isopropyl alcohol	45	3.489	3.489	0.000	33	141134	200.0	269.8	
23 Ethyl bromide	108	3.495	3.495	0.000	99	330118	10.0	9.82	
24 Carbon disulfide	76	3.562	3.562	0.000	99	1264175	10.0	9.82	
25 Methyl acetate	43	3.715	3.715	0.000	25	117330	10.0	9.29	M
27 3-Chloro-1-propene	41	3.727	3.727	0.000	90	604332	10.0	9.98	
29 Methylene Chloride	84	3.897	3.897	0.000	92	387841	10.0	9.27	
* 30 t-Butyl alcohol-d10 (IS)	65	3.934	3.934	0.000	99	103533	50.0	50.0	M
31 2-Methyl-2-propanol	59	4.068	4.068	0.000	100	276580	200.0	208.2	
32 Acrylonitrile	53	4.233	4.233	0.000	98	138652	25.0	22.1	
33 Methyl tert-butyl ether	73	4.275	4.275	0.000	96	785266	10.0	9.44	
34 trans-1,2-Dichloroethene	96	4.275	4.275	0.000	98	414635	10.0	9.44	
35 Hexane	57	4.708	4.708	0.000	93	590998	10.0	10.9	
37 1,1-Dichloroethane	63	4.934	4.934	0.000	96	765715	10.0	10.2	
38 Isopropyl ether	45	5.013	5.013	0.000	93	1240085	10.0	10.4	
39 2-Chloro-1,3-butadiene	53	5.050	5.050	0.000	92	631013	10.0	10.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 Tert-butyl ethyl ether	59	5.543	5.543	0.000	98	1091024	10.0	9.89	
41 2-Butanone (MEK)	43	5.769	5.769	0.000	100	680000	100.0	90.3	
42 cis-1,2-Dichloroethene	96	5.781	5.781	0.000	83	472869	10.0	9.65	
43 2,2-Dichloropropane	77	5.793	5.793	0.000	87	677264	10.0	10.2	
45 Propionitrile	54	5.860	5.860	0.000	98	390192	200.0	192.5	
48 Methacrylonitrile	67	6.068	6.068	0.000	91	776707	100.0	87.9	
49 Chlorobromomethane	128	6.110	6.110	0.000	91	191683	10.0	9.84	
50 Tetrahydrofuran	71	6.147	6.147	0.000	78	99928	50.0	45.7	
51 Chloroform	83	6.269	6.269	0.000	93	776431	10.0	9.96	
$ 52 Dibromofluoromethane (Surr)	113	6.482	6.482	0.000	93	537328	10.0	10.2	
53 1,1,1-Trichloroethane	97	6.501	6.501	0.000	98	708003	10.0	10.2	
54 Cyclohexane	56	6.592	6.592	0.000	91	706731	10.0	10.8	
55 Carbon tetrachloride	117	6.708	6.708	0.000	96	637555	10.0	10.2	
56 1,1-Dichloropropene	75	6.714	6.714	0.000	98	616781	10.0	10.5	
58 Isobutyl alcohol	41	6.921	6.921	0.000	91	236088	500.0	646.9	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.940	6.940	0.000	96	97304	10.0	9.94	
60 Benzene	78	6.976	6.976	0.000	97	1742841	10.0	9.85	
61 1,2-Dichloroethane	62	7.043	7.043	0.000	98	439091	10.0	10.6	
63 Tert-amyl methyl ether	73	7.177	7.177	0.000	98	897166	10.0	9.75	
* 64 Fluorobenzene (IS)	96	7.385	7.385	0.000	98	2197989	10.0	10.0	
65 n-Heptane	43	7.409	7.409	0.000	88	593285	10.0	10.8	
67 n-Butanol	56	7.811	7.811	0.000	90	297297	875.0	888.4	
68 Trichloroethene	95	7.866	7.866	0.000	98	475111	10.0	9.82	
69 Methylcyclohexane	83	8.171	8.171	0.000	91	791433	10.0	10.7	
70 1,2-Dichloropropane	63	8.195	8.195	0.000	93	429003	10.0	10.3	
71 2-ethoxy-2-methyl butane	87	8.220	8.220	0.000	93	662722	10.0	9.96	
72 Methyl methacrylate	69	8.305	8.305	0.000	89	127233	10.0	8.11	
74 Dibromomethane	93	8.305	8.305	0.000	96	185583	10.0	10.1	
73 1,4-Dioxane	88	8.311	8.311	0.000	32	61905	500.0	556.0	M
76 Dichlorobromomethane	83	8.549	8.549	0.000	99	528649	10.0	10.5	
77 2-Nitropropane	41	8.817	8.817	0.000	99	243756	50.0	47.8	
79 1-Bromo-2-chloroethane	63	8.939	8.939	0.000	99	377550	10.0	10.4	
81 cis-1,3-Dichloropropene	75	9.110	9.110	0.000	95	616674	10.0	10.1	
82 4-Methyl-2-pentanone (MIBK)	43	9.305	9.305	0.000	97	1808446	100.0	94.1	
$ 83 Toluene-d8 (Surr)	98	9.433	9.433	0.000	94	2228141	10.0	10.3	
84 Toluene	92	9.512	9.512	0.000	98	1112653	10.0	9.54	
85 trans-1,3-Dichloropropene	75	9.787	9.787	0.000	94	489383	10.0	10.7	
86 Ethyl methacrylate	69	9.866	9.866	0.000	89	309296	10.0	10.9	
107 1,1,2-Trichloroethane	97	9.994	9.994	0.000	92	255646	10.0	9.64	
108 Tetrachloroethene	166	10.085	10.085	0.000	96	514172	10.0	9.14	
109 1,3-Dichloropropane	76	10.158	10.158	0.000	92	450842	10.0	10.4	
110 2-Hexanone	43	10.232	10.232	0.000	97	1177723	100.0	100.8	
112 Chlorodibromomethane	129	10.378	10.378	0.000	90	343328	10.0	10.3	
113 Ethylene Dibromide	107	10.488	10.488	0.000	99	240263	10.0	10.0	
* 114 Chlorobenzene-d5 (IS)	117	10.933	10.933	0.000	86	1649442	10.0	10.0	
115 1-Chlorohexane	91	10.945	10.945	0.000	98	629339	10.0	9.89	
116 Chlorobenzene	112	10.957	10.957	0.000	94	1285710	10.0	9.63	
117 1,1,1,2-Tetrachloroethane	131	11.042	11.042	0.000	95	450647	10.0	9.74	
118 Ethylbenzene	91	11.049	11.049	0.000	99	2293699	10.0	10.2	
120 m-Xylene & p-Xylene	106	11.164	11.164	0.000	100	1756480	20.0	19.8	
121 o-Xylene	106	11.500	11.500	0.000	98	848208	10.0	9.72	
122 Styrene	104	11.518	11.518	0.000	95	1325395	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
123 Bromoform	173	11.670	11.670	0.000	96	181932	10.0	10.2	
124 Isopropylbenzene	105	11.798	11.798	0.000	96	2064404	10.0	9.55	
$ 127 4-Bromofluorobenzene (Surr)	95	11.945	11.945	0.000	91	771395	10.0	10.2	
128 1,1,2,2-Tetrachloroethane	83	12.048	12.048	0.000	95	306870	10.0	10.7	
129 Bromobenzene	156	12.061	12.061	0.000	97	509658	10.0	9.44	
130 trans-1,4-Dichloro-2-butene	53	12.073	12.073	0.000	94	429448	100.0	53.5	
131 1,2,3-Trichloropropane	110	12.091	12.091	0.000	80	80284	10.0	10.4	
132 N-Propylbenzene	91	12.134	12.134	0.000	99	2776332	10.0	10.8	
133 2-Chlorotoluene	126	12.207	12.207	0.000	96	554163	10.0	9.85	
134 1,3,5-Trimethylbenzene	105	12.268	12.268	0.000	93	1996225	10.0	10.3	
135 4-Chlorotoluene	126	12.298	12.298	0.000	98	581262	10.0	9.98	
136 tert-Butylbenzene	134	12.512	12.512	0.000	93	454932	10.0	10.1	
137 Pentachloroethane	167	12.542	12.542	0.000	92	344756	10.0	10.5	
138 1,2,4-Trimethylbenzene	105	12.554	12.554	0.000	97	2046635	10.0	10.5	
139 sec-Butylbenzene	105	12.670	12.670	0.000	95	2637362	10.0	10.6	
140 1,3-Dichlorobenzene	146	12.768	12.768	0.000	98	1089817	10.0	9.80	
141 4-Isopropyltoluene	119	12.780	12.780	0.000	97	2309613	10.0	10.4	
* 142 1,4-Dichlorobenzene-d4	152	12.823	12.823	0.000	95	904172	10.0	10.0	
143 1,4-Dichlorobenzene	146	12.841	12.841	0.000	94	1085541	10.0	9.26	
144 1,2,3-Trimethylbenzene	120	12.853	12.853	0.000	98	866129	10.0	9.88	
145 Benzyl chloride	126	12.920	12.920	0.000	99	126890	10.0	10.6	
146 p-Diethylbenzene	119	13.054	13.054	0.000	93	1403403	10.0	10.4	
147 n-Butylbenzene	92	13.073	13.073	0.000	97	1143377	10.0	11.1	
148 1,2-Dichlorobenzene	146	13.103	13.103	0.000	98	950918	10.0	9.85	
150 1,2-Dibromo-3-Chloropropane	155	13.646	13.646	0.000	83	39279	10.0	7.06	
151 1,3,5-Trichlorobenzene	180	13.767	13.767	0.000	97	937650	10.0	9.69	
152 1,2,4-Trichlorobenzene	180	14.188	14.188	0.000	94	734646	10.0	9.17	
153 Hexachlorobutadiene	225	14.267	14.267	0.000	98	410479	10.0	9.22	
154 Naphthalene	128	14.365	14.365	0.000	97	965129	10.0	9.23	
155 1,2,3-Trichlorobenzene	180	14.505	14.505	0.000	95	567976	10.0	8.53	
156 2-Methylnaphthalene	142	15.097	15.097	0.000	92	446521	10.0	7.94	
167 Pentane	43	2.806	2.806	0.000	96	650966	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_#1_826_00149	Amount Added: 20.00	Units: uL	
MSV_LL_#2_826_00156	Amount Added: 20.00	Units: uL	
MSV_LL_GAS826_00239	Amount Added: 20.00	Units: uL	
MSV_HP25_ISSS_00101	Amount Added: 1.00	Units: uL	Run Reagent

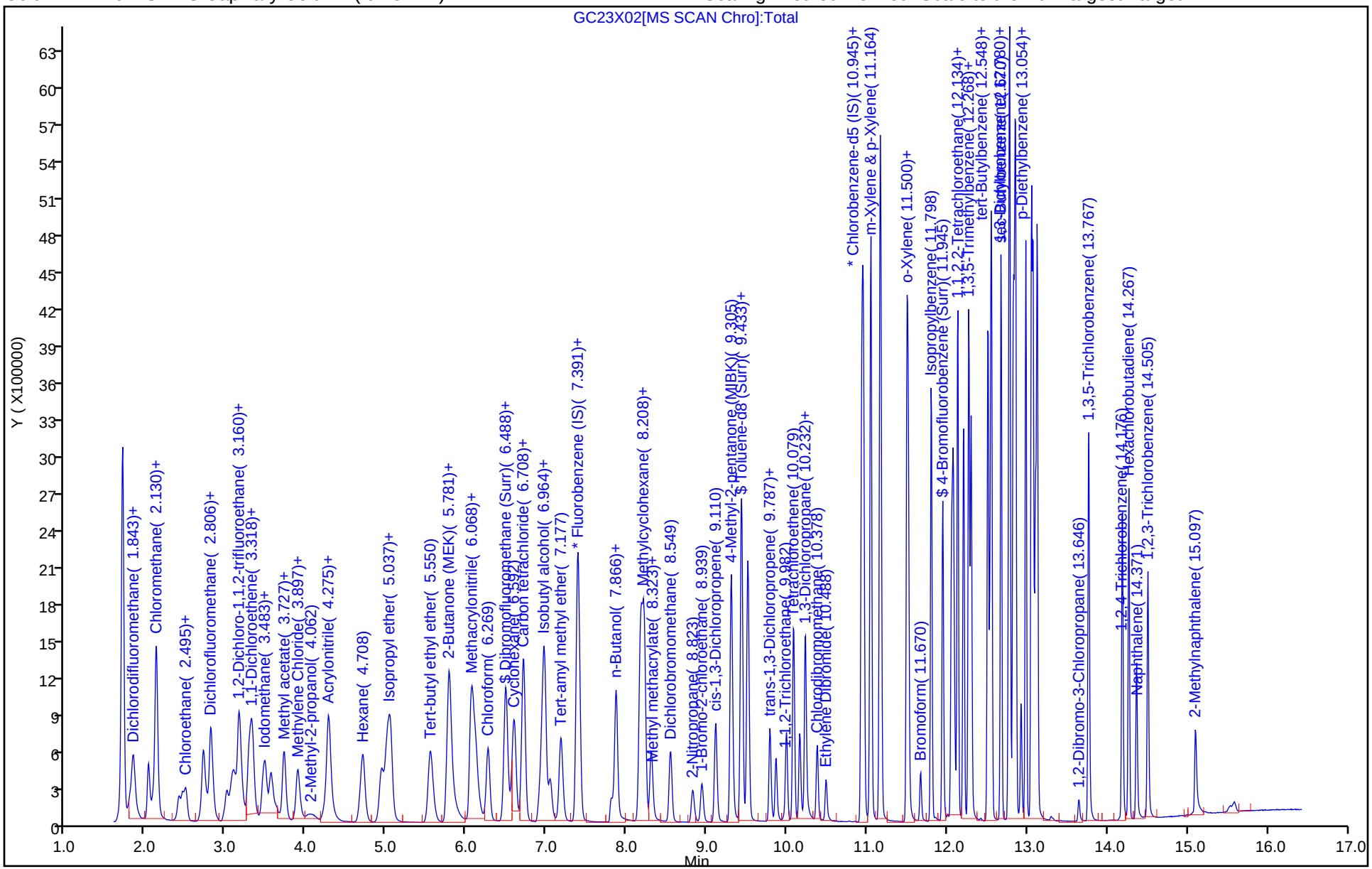
Report Date: 23-Oct-2024 12:33:00 Chrom Revision: 2.3 17-Oct-2024 11:42:22

Eurofins Lancaster Laboratories Environment Testing, LLC

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Injection Date:	23-Oct-2024 09:58:30	Instrument ID:	16334	Operator ID:	ecr105096
Lims ID:	CCVIS VSTD10			Worklist Smp#:	3
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

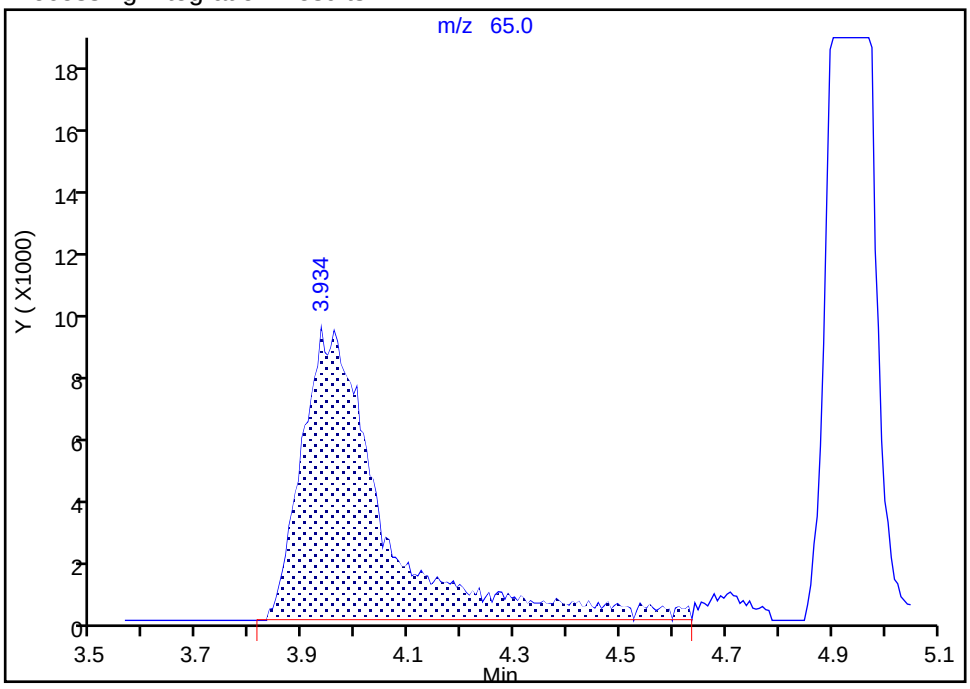
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Injection Date:	23-Oct-2024 09:58:30	Instrument ID:	16334		
Lims ID:	CCVIS VSTD10				
Client ID:					
Operator ID:	ecr105096	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

* 30 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

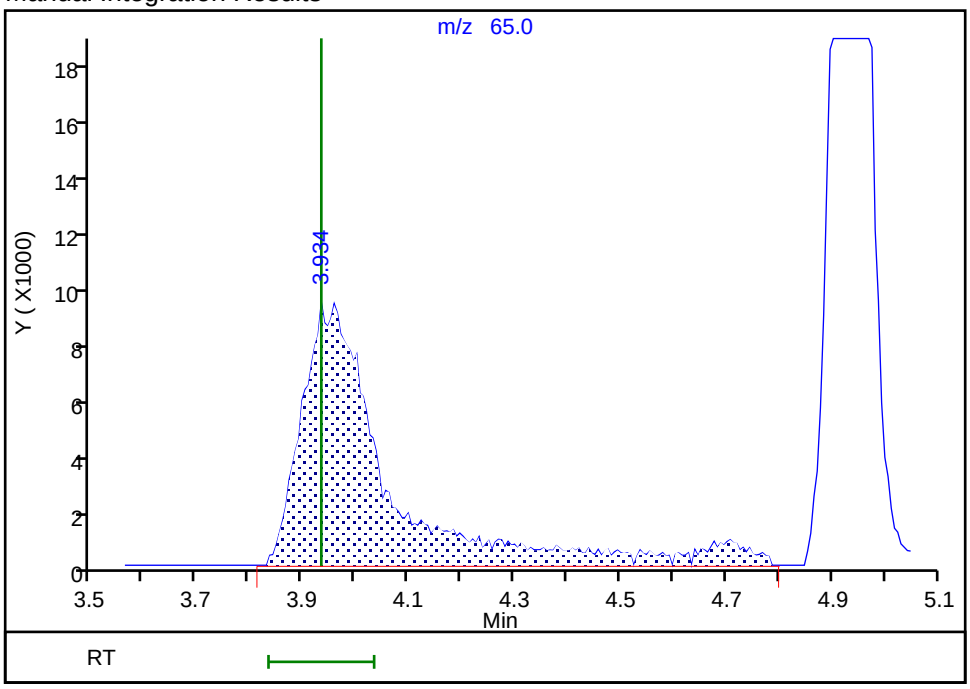
Processing Integration Results

RT: 3.93
Area: 98534
Amount: 50.000000
Amount Units: ug/l



Manual Integration Results

RT: 3.93
Area: 103533
Amount: 50.000000
Amount Units: ug/l



Reviewer: N7YK, 23-Oct-2024 10:34:35 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

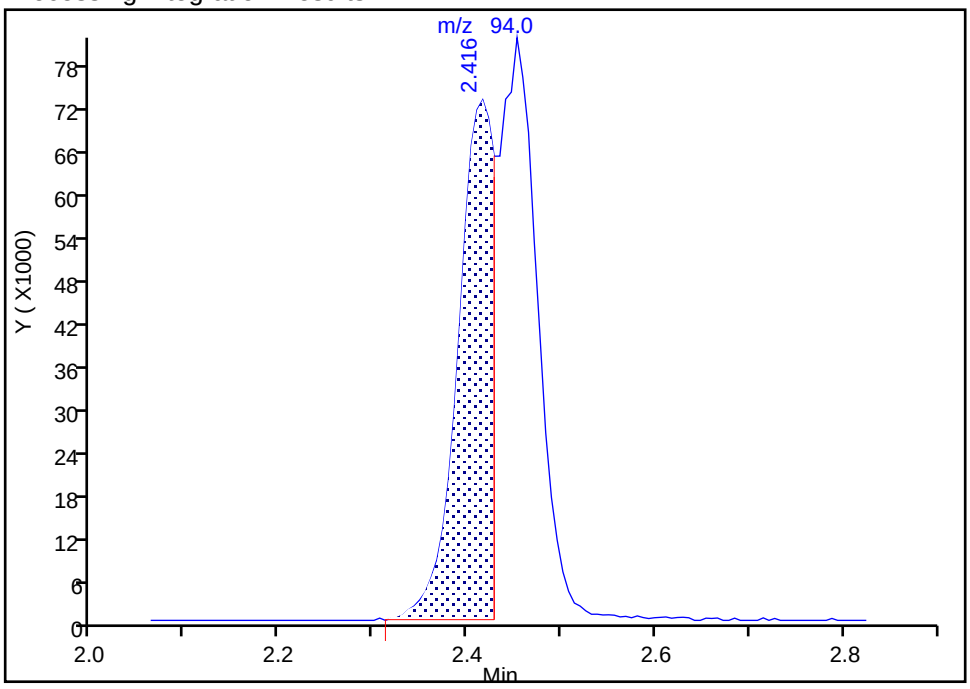
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Lims ID:	CCVIS VSTD10				
Client ID:					
Operator ID:	ecr105096	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

9 Bromomethane, CAS: 74-83-9

Signal: 1

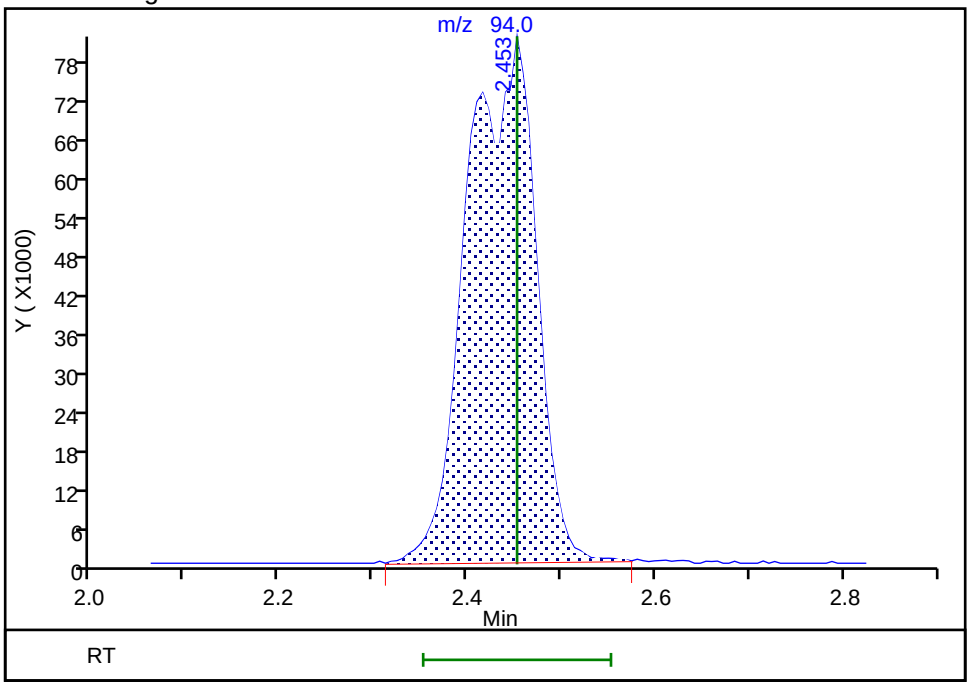
Processing Integration Results

RT: 2.42
Area: 194668
Amount: 4.720978
Amount Units: ug/l



Manual Integration Results

RT: 2.45
Area: 414062
Amount: 10.041597
Amount Units: ug/l



Reviewer: N7YK, 23-Oct-2024 10:33:57 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

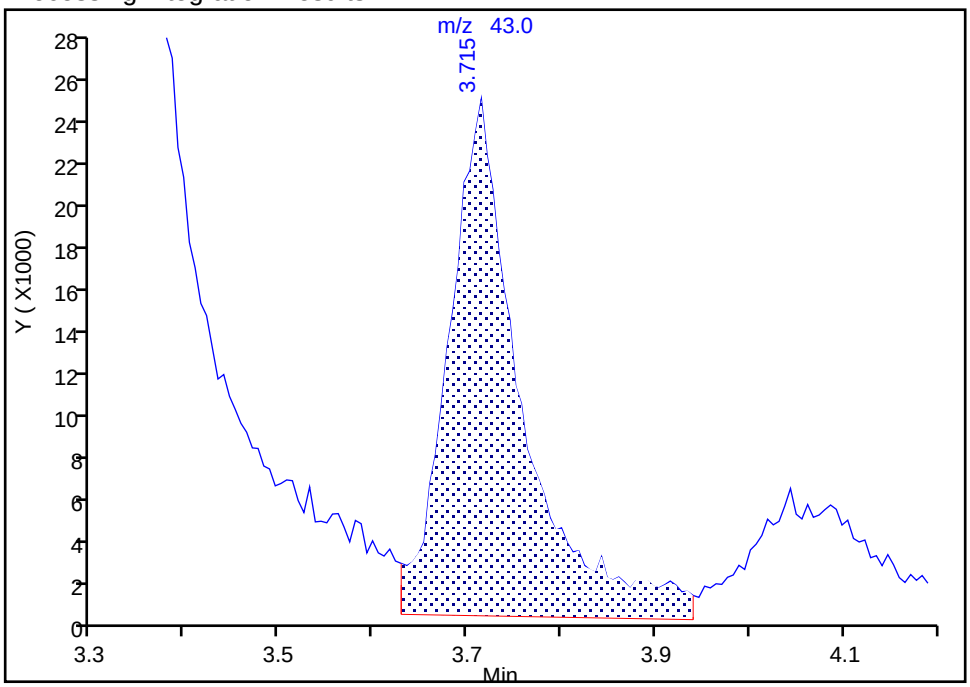
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Lims ID:	CCVIS VSTD10				
Client ID:					
Operator ID:	ecr105096	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

25 Methyl acetate, CAS: 79-20-9

Signal: 1

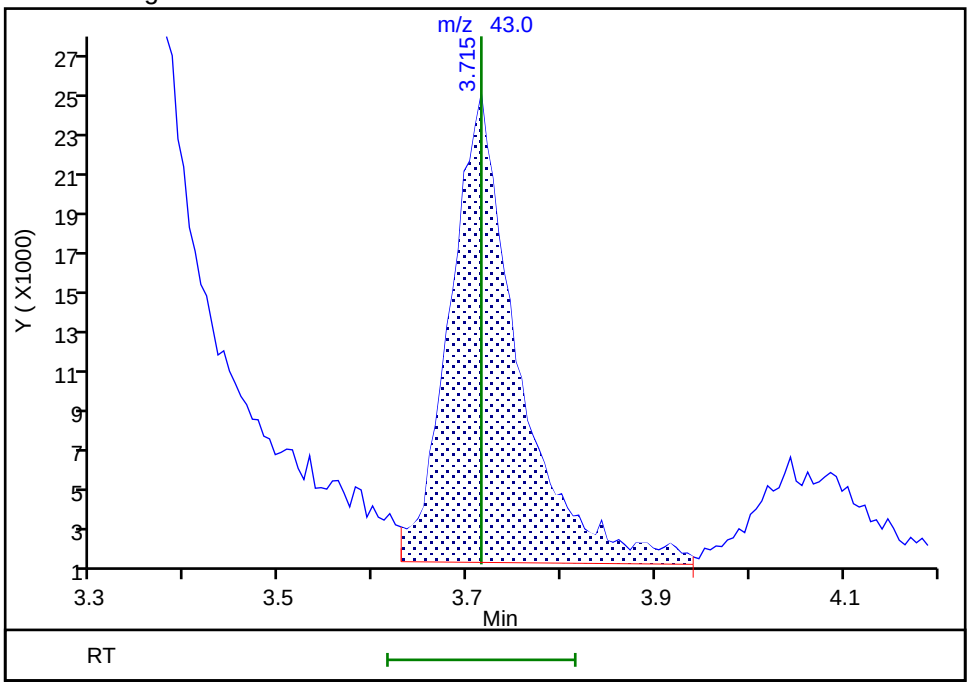
Processing Integration Results

RT: 3.71
Area: 130731
Amount: 10.873680
Amount Units: ug/l



Manual Integration Results

RT: 3.71
Area: 117330
Amount: 9.287832
Amount Units: ug/l



Reviewer: N7YK, 23-Oct-2024 10:34:25 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

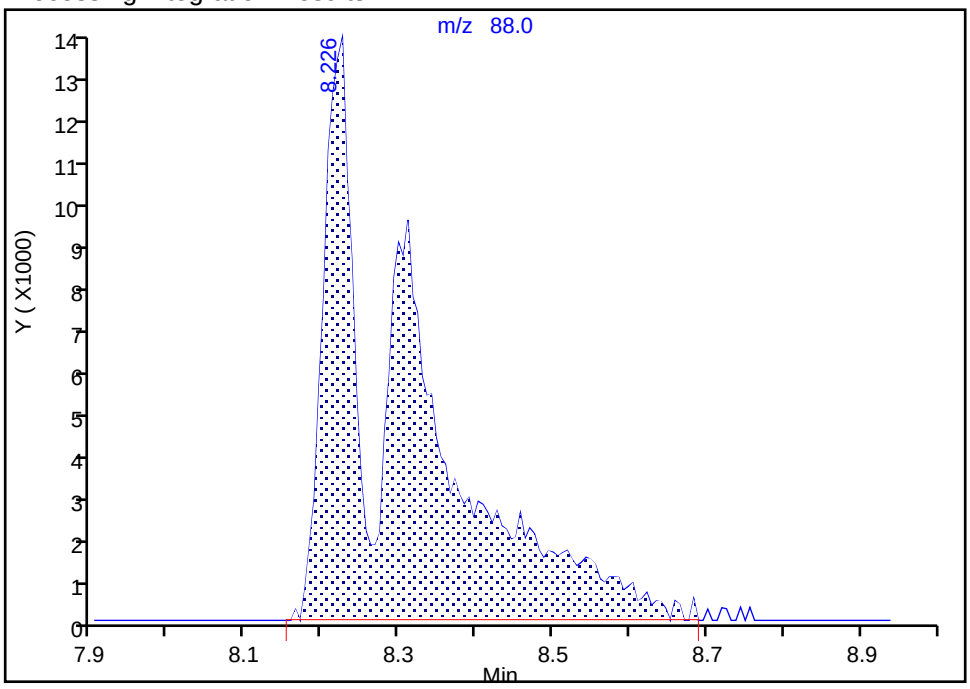
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Injection Date:	23-Oct-2024 09:58:30	Instrument ID:	16334		
Lims ID:	CCVIS VSTD10				
Client ID:					
Operator ID:	ecr105096	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

73 1,4-Dioxane, CAS: 123-91-1

Signal: 1

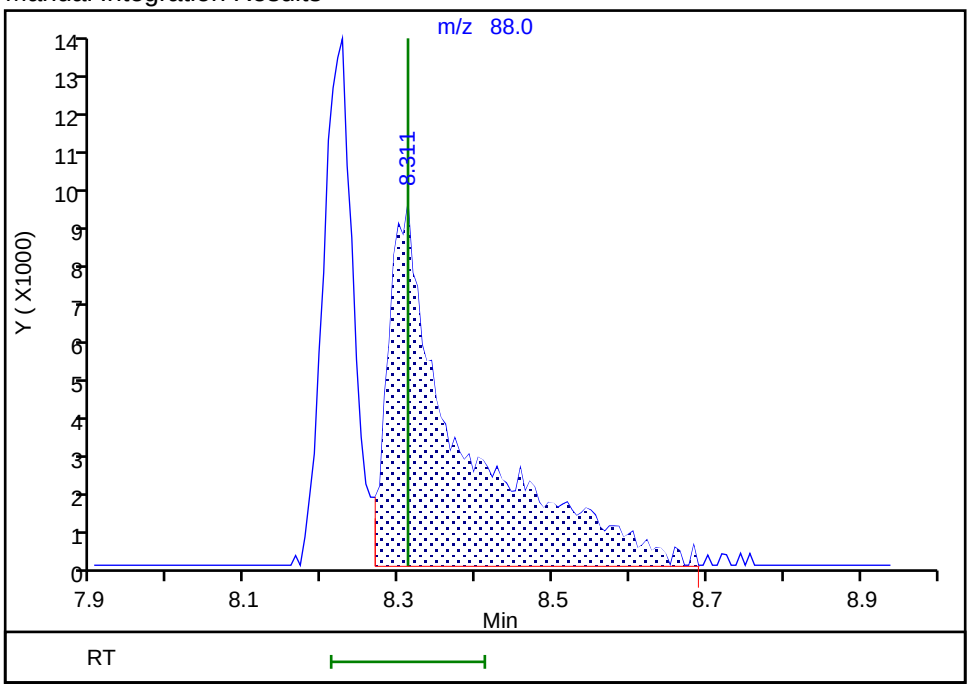
Processing Integration Results

RT: 8.23
Area: 98533
Amount: 877.0278
Amount Units: ug/l



Manual Integration Results

RT: 8.31
Area: 61905
Amount: 556.0220
Amount Units: ug/l



Reviewer: N7YK, 23-Oct-2024 10:35:05 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Lab Sample ID: ICV 410-562891/21 Calibration Date: 10/15/2024 00:42

Instrument ID: 19094 Calib Start Date: 10/14/2024 21:54

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 10/15/2024 00:00

Lab File ID: HC14X20.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.2187	0.1787	0.1000	4.08	5.00	-18.3	30.0
Chloromethane	Ave	0.3263	0.2744	0.1000	4.21	5.00	-15.9	30.0
1,3-Butadiene	Ave	0.3016	0.2490		4.13	5.00	-17.5	30.0
Vinyl chloride	Ave	0.2808	0.2420	0.1000	4.31	5.00	-13.8	30.0
Bromomethane	Ave	0.2020	0.1891	0.1000	4.68	5.00	-6.4	30.0
Chloroethane	Ave	0.1807	0.1619	0.1000	4.48	5.00	-10.4	30.0
Dichlorofluoromethane	Ave	0.4627	0.4121		4.45	5.00	-10.9	30.0
Trichlorofluoromethane	Ave	0.3088	0.2684	0.1000	4.35	5.00	-13.1	30.0
Ethyl ether	Ave	0.1516	0.1600		5.26	4.98	5.5	30.0
Freon 123a	Ave	0.2602	0.2179		4.19	5.00	-16.3	30.0
Acrolein	Ave	2.394	2.693		42.3	37.6	12.5	30.0
1,1-Dichloroethene	Ave	0.1740	0.2102	0.1000	6.04	5.00	20.8	30.0
Acetone	Ave	2.783	2.811	0.1000	63.1	62.5	1.0	30.0
Freon 113	Ave	0.1613	0.1808	0.1000	5.60	5.00	12.1	30.0
Methyl iodide	Ave	0.3560	0.3661		5.14	5.00	2.8	30.0
Ethyl bromide	Ave	0.1690	0.2045		5.71	4.72	21.0	30.0
Carbon disulfide	Ave	0.5525	0.5899	0.1000	5.34	5.00	6.8	30.0
Methyl acetate	Ave	7.629	7.552	0.1000	4.95	5.00	-1.0	30.0
Allyl chloride	Ave	0.3651	0.3785		5.18	5.00	3.7	30.0
Methylene Chloride	Ave	0.2085	0.2248	0.1000	5.39	5.00	7.8	30.0
t-Butyl alcohol	Ave	0.8600	0.9717		56.5	50.0	13.0	30.0
Acrylonitrile	Ave	3.649	4.219		28.9	25.0	15.6	30.0
Methyl tertiary butyl ether	Ave	0.4845	0.4813	0.1000	4.97	5.00	-0.7	30.0
trans-1,2-Dichloroethene	Ave	0.2032	0.2340	0.1000	5.76	5.00	15.2	30.0
n-Hexane	Ave	0.2699	0.2716		5.03	5.00	0.6	30.0
1,1-Dichloroethane	Ave	0.3991	0.4530	0.2000	5.67	5.00	13.5	30.0
di-Isopropyl ether	Ave	0.7233	0.7516		5.20	5.00	3.9	30.0
2-Chloro-1,3-butadiene	Ave	0.3319	0.3539		5.33	5.00	6.6	30.0
Ethyl t-butyl ether	Ave	0.6585	0.6746		5.12	5.00	2.4	30.0
2-Butanone	Ave	4.834	5.640	0.1000	72.9	62.5	16.7	30.0
cis-1,2-Dichloroethene	Ave	0.2372	0.2585	0.1000	5.45	5.00	9.0	30.0
2,2-Dichloropropane	Ave	0.3314	0.3602		5.44	5.00	8.7	30.0
Propionitrile	Ave	1.311	1.233		35.3	37.5	-5.9	30.0
Methacrylonitrile	Ave	5.271	5.788		41.2	37.5	9.8	30.0
Bromochloromethane	Ave	0.0963	0.1042		5.41	5.00	8.1	30.0
Tetrahydrofuran	Ave	1.357	1.521		28.0	25.0	12.0	30.0
Chloroform	Ave	0.3752	0.4096	0.2000	5.46	5.00	9.2	30.0
1,1,1-Trichloroethane	Ave	0.3193	0.3622	0.1000	5.67	5.00	13.4	30.0
Cyclohexane	Ave	0.3480	0.3797	0.1000	5.46	5.00	9.1	30.0
1,1-Dichloropropene	Ave	0.2995	0.3271		5.46	5.00	9.2	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Lab Sample ID: ICV 410-562891/21 Calibration Date: 10/15/2024 00:42

Instrument ID: 19094 Calib Start Date: 10/14/2024 21:54

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 10/15/2024 00:00

Lab File ID: HC14X20.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Carbon tetrachloride	Ave	0.2662	0.3117	0.1000	5.85	5.00	17.1	30.0
Isobutyl alcohol	Ave	0.3172	0.3146		124	125	-0.8	30.0
Benzene	Ave	0.9212	1.006	0.5000	5.46	5.00	9.2	30.0
1,2-Dichloroethane	Ave	0.2163	0.2266	0.1000	5.24	5.00	4.7	30.0
t-Amyl methyl ether	Ave	0.5463	0.5567		5.09	5.00	1.9	30.0
n-Heptane	Ave	0.2655	0.2818		5.31	5.00	6.1	30.0
n-Butanol	Ave	0.2199	0.2389		272	250	8.6	30.0
Trichloroethene	Ave	0.2303	0.2529	0.2000	5.49	5.00	9.8	30.0
Methylcyclohexane	Ave	0.3321	0.3687	0.1000	5.55	5.00	11.0	30.0
1,2-Dichloropropane	Ave	0.2332	0.2540	0.1000	5.44	5.00	8.9	30.0
Methyl methacrylate	Ave	9.950	11.09		5.58	5.00	11.5	30.0
1,4-Dioxane	Ave	0.0392	0.0560	0.0050	179	125	42.9*	30.0
Dibromomethane	Ave	0.0976	0.1047		5.36	5.00	7.2	30.0
Bromodichloromethane	Ave	0.2595	0.2816	0.2000	5.43	5.00	8.5	30.0
2-Nitropropane	Ave	3.242	2.967		4.58	5.00	-8.5	30.0
1-Bromo-2-chloroethane	Ave	0.2142	0.2285		5.33	5.00	6.7	30.0
cis-1,3-Dichloropropene	Ave	0.3281	0.3432	0.2000	5.23	5.00	4.6	30.0
4-Methyl-2-pentanone	Ave	13.30	14.59	0.1000	68.5	62.5	9.7	30.0
Toluene	Ave	0.7876	0.8647	0.4000	5.49	5.00	9.8	30.0
trans-1,3-Dichloropropene	Ave	0.3621	0.3921	0.1000	5.41	5.00	8.3	30.0
Ethyl methacrylate	Ave	0.2905	0.3025		5.21	5.00	4.1	30.0
1,1,2-Trichloroethane	Ave	0.1994	0.2081	0.1000	5.22	5.00	4.3	30.0
Tetrachloroethene	Ave	0.3555	0.4003	0.2000	5.63	5.00	12.6	30.0
1,3-Dichloropropane	Ave	0.3498	0.3756		5.37	5.00	7.4	30.0
2-Hexanone	Ave	8.521	10.06	0.1000	73.8	62.5	18.0	30.0
Dibromochloromethane	Ave	0.2371	0.2655		5.60	5.00	12.0	30.0
1,2-Dibromoethane	Ave	0.1819	0.1954	0.1000	5.37	5.00	7.5	30.0
1-Chlorohexane	Ave	0.4471	0.4651		5.20	5.00	4.0	30.0
Chlorobenzene	Ave	0.8488	0.9454	0.5000	5.57	5.00	11.4	30.0
1,1,1,2-Tetrachloroethane	Ave	0.2945	0.3257		5.53	5.00	10.6	30.0
Ethylbenzene	Ave	1.530	1.705	0.1000	5.57	5.00	11.5	30.0
m&p-Xylene	Ave	0.5921	0.6591	0.1000	11.1	10.0	11.3	30.0
o-Xylene	Ave	0.5758	0.6377	0.3000	5.54	5.00	10.7	30.0
Styrene	Ave	0.9347	1.028	0.3000	5.50	5.00	10.0	30.0
Bromoform	Ave	0.1317	0.1490	0.1000	5.65	5.00	13.1	30.0
Isopropylbenzene	Ave	1.358	1.723	0.1000	6.34	5.00	26.9	30.0
1,1,2,2-Tetrachloroethane	Ave	0.4378	0.4540	0.3000	5.18	5.00	3.7	30.0
Bromobenzene	Ave	0.6336	0.6725		5.31	5.00	6.1	30.0
trans-1,4-Dichloro-2-butene	Ave	4.476	4.837		27.0	25.0	8.1	30.0
1,2,3-Trichloropropane	Ave	0.1064	0.1139		5.36	5.00	7.1	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Lab Sample ID: ICV 410-562891/21 Calibration Date: 10/15/2024 00:42

Instrument ID: 19094 Calib Start Date: 10/14/2024 21:54

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 10/15/2024 00:00

Lab File ID: HC14X20.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Propylbenzene	Ave	3.193	3.577		5.60	5.00	12.0	30.0
2-Chlorotoluene	Ave	0.6265	0.6942		5.54	5.00	10.8	30.0
1,3,5-Trimethylbenzene	Ave	2.248	2.555		5.68	5.00	13.7	30.0
4-Chlorotoluene	Ave	0.6420	0.7012		5.46	5.00	9.2	30.0
tert-Butylbenzene	Ave	0.5118	0.5585		5.46	5.00	9.1	30.0
Pentachloroethane	Ave	0.4062	0.4173		5.14	5.00	2.7	30.0
1,2,4-Trimethylbenzene	Ave	2.292	2.540		5.54	5.00	10.8	30.0
sec-Butylbenzene	Ave	2.870	3.227		5.62	5.00	12.5	30.0
1,3-Dichlorobenzene	Ave	1.245	1.360	0.6000	5.46	5.00	9.2	30.0
p-Isopropyltoluene	Ave	2.519	2.818		5.59	5.00	11.9	30.0
1,4-Dichlorobenzene	Ave	1.271	1.359	0.5000	5.35	5.00	7.0	30.0
1,2,3-Trimethylbenzene	Ave	1.035	1.090		5.27	5.00	5.3	30.0
Benzyl chloride	Ave	0.1768	0.1885		5.33	5.00	6.6	30.0
n-Butylbenzene	Ave	1.163	1.316		5.66	5.00	13.2	30.0
1,2-Dichlorobenzene	Ave	1.111	1.237	0.4000	5.57	5.00	11.4	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.0580	0.0621	0.0500	5.36	5.00	7.2	30.0
1,3,5-Trichlorobenzene	Ave	0.9239	1.039		5.62	5.00	12.4	30.0
1,2,4-Trichlorobenzene	Ave	0.7934	0.8878	0.2000	5.60	5.00	11.9	30.0
Hexachlorobutadiene	Ave	0.3205	0.3663		5.71	5.00	14.3	30.0
Naphthalene	Ave	1.369	1.485		5.42	5.00	8.5	30.0
1,2,3-Trichlorobenzene	Ave	0.6874	0.7511		5.46	5.00	9.3	30.0
Dibromofluoromethane (Surr)	Ave	0.2333	0.2331		9.99	10.0	-0.1	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0474	0.0476		10.0	10.0	0.3	30.0
Toluene-d8 (Surr)	Ave	1.371	1.369		9.99	10.0	-0.0	30.0
4-Bromofluorobenzene (Surr)	Ave	0.4915	0.4912		9.99	10.0	-0.0	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X20.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 15-Oct-2024 00:42:30 ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0127661-021
Misc. Info.: ICV
Operator ID: gaw91131 Instrument ID: 19094
Sublist:

Method: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 17-Oct-2024 09:46:02 Calib Date: 15-Oct-2024 00:00:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1693

First Level Reviewer: DVW2 Date: 15-Oct-2024 08:20:15

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.849	1.843	0.006	99	189300	5.00	4.08	
5 Chloromethane	50	2.032	2.026	0.006	98	290785	5.00	4.21	
7 Butadiene	39	2.135	2.129	0.006	94	263789	5.00	4.13	
6 Vinyl chloride	62	2.148	2.135	0.013	98	256439	5.00	4.31	
9 Bromomethane	94	2.452	2.440	0.012	91	200333	5.00	4.68	
10 Chloroethane	64	2.513	2.507	0.006	100	171489	5.00	4.48	
11 Dichlorofluoromethane	67	2.733	2.727	0.006	97	436621	5.00	4.45	
12 Trichlorofluoromethane	101	2.812	2.806	0.006	98	284337	5.00	4.35	
14 Ethyl ether	59	3.019	3.007	0.012	92	168979	4.98	5.26	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.093	3.093	-0.001	94	230833	5.00	4.19	
16 Acrolein	56	3.178	3.160	0.018	100	193625	37.6	42.3	
17 1,1-Dichloroethene	96	3.306	3.294	0.012	98	222755	5.00	6.04	
19 Acetone	43	3.336	3.318	0.018	100	336117	62.5	63.1	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.342	3.330	0.012	91	191607	5.00	5.60	
21 Iodomethane	142	3.489	3.477	0.012	99	387939	5.00	5.14	
22 Ethyl bromide	108	3.507	3.501	0.006	98	204358	4.72	5.71	
23 Carbon disulfide	76	3.592	3.580	0.012	99	625061	5.00	5.34	
24 Methyl acetate	43	3.720	3.702	0.018	97	72244	5.00	4.95	
26 3-Chloro-1-propene	41	3.739	3.733	0.006	93	401058	5.00	5.18	
27 Methylene Chloride	84	3.909	3.897	0.012	94	238185	5.00	5.39	
* 28 t-Butyl alcohol-d10 (IS)	65	3.922	3.903	0.019	99	95664	50.0	50.0	
29 2-Methyl-2-propanol	59	4.025	4.013	0.012	93	92955	50.0	56.5	
31 Acrylonitrile	53	4.220	4.214	0.006	99	201795	25.0	28.9	
32 Methyl tert-butyl ether	73	4.287	4.275	0.012	96	509997	5.00	4.97	
33 trans-1,2-Dichloroethene	96	4.300	4.294	0.006	98	247898	5.00	5.76	
34 Hexane	57	4.720	4.714	0.006	93	287813	5.00	5.03	
36 1,1-Dichloroethane	63	4.952	4.946	0.006	96	479931	5.00	5.67	
37 Isopropyl ether	45	5.013	5.001	0.012	95	796359	5.00	5.20	
38 2-Chloro-1,3-butadiene	53	5.068	5.062	0.006	90	374991	5.00	5.33	
40 Tert-butyl ethyl ether	59	5.555	5.549	0.006	99	714722	5.00	5.12	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
41 2-Butanone (MEK)	43	5.757	5.751	0.006	100	674435	62.5	72.9	
42 cis-1,2-Dichloroethene	96	5.799	5.793	0.006	83	273904	5.00	5.45	
43 2,2-Dichloropropane	77	5.811	5.805	0.006	86	381698	5.00	5.44	
44 Propionitrile	54	5.866	5.836	0.030	97	88472	37.5	35.3	
47 Methacrylonitrile	67	6.055	6.055	0.000	92	415242	37.5	41.2	
48 Chlorobromomethane	128	6.135	6.129	0.006	95	110395	5.00	5.41	
49 Tetrahydrofuran	71	6.147	6.141	0.006	86	72739	25.0	28.0	
50 Chloroform	83	6.293	6.281	0.012	93	434008	5.00	5.46	
$ 52 Dibromofluoromethane (Surr)	113	6.506	6.500	0.006	94	493875	10.0	10.0	
53 1,1,1-Trichloroethane	97	6.519	6.513	0.006	98	383718	5.00	5.67	
54 Cyclohexane	56	6.622	6.622	0.000	92	402305	5.00	5.46	
56 Carbon tetrachloride	117	6.738	6.732	0.006	93	330219	5.00	5.85	
55 1,1-Dichloropropene	75	6.738	6.732	0.006	95	346563	5.00	5.46	
57 Isobutyl alcohol	41	6.891	6.885	0.006	94	75245	125.0	124.0	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.964	6.964	0.000	93	100892	10.0	10.0	
59 Benzene	78	7.000	6.994	0.006	97	1065588	5.00	5.46	
60 1,2-Dichloroethane	62	7.067	7.067	0.000	97	240092	5.00	5.24	
63 Tert-amyl methyl ether	73	7.201	7.195	0.006	98	589826	5.00	5.09	
* 64 Fluorobenzene (IS)	96	7.409	7.409	0.000	98	2119076	10.0	10.0	
65 n-Heptane	43	7.433	7.427	0.006	94	298589	5.00	5.31	
67 n-Butanol	56	7.799	7.787	0.012	88	114254	250.0	271.6	
68 Trichloroethene	95	7.903	7.897	0.006	98	267958	5.00	5.49	
69 Methylcyclohexane	83	8.220	8.214	0.006	92	390679	5.00	5.55	
70 1,2-Dichloropropane	63	8.238	8.232	0.006	97	269093	5.00	5.44	
71 2-ethoxy-2-methyl butane	87	8.256	8.250	0.006	92	382537	5.00	5.22	
73 1,4-Dioxane	88	8.348	8.329	0.019	31	13388	125.0	178.7	
72 Methyl methacrylate	69	8.329	8.329	0.000	92	106134	5.00	5.58	
74 Dibromomethane	93	8.348	8.348	0.000	94	110924	5.00	5.36	
76 Dichlorobromomethane	83	8.585	8.585	0.000	99	298358	5.00	5.43	
77 2-Nitropropane	41	8.854	8.854	0.000	98	28388	5.00	4.58	
79 1-Bromo-2-chloroethane	63	8.988	8.988	0.000	99	242061	5.00	5.33	
80 cis-1,3-Dichloropropene	75	9.152	9.152	0.000	95	363588	5.00	5.23	
82 4-Methyl-2-pentanone (MIBK)	43	9.335	9.335	0.000	97	1744514	62.5	68.5	
$ 83 Toluene-d8 (Surr)	98	9.482	9.475	0.007	93	2078559	10.0	10.0	
84 Toluene	92	9.561	9.561	0.000	98	656238	5.00	5.49	
85 trans-1,3-Dichloropropene	75	9.835	9.835	0.000	94	297602	5.00	5.41	
104 Ethyl methacrylate	69	9.908	9.902	0.006	90	229540	5.00	5.21	
106 1,1,2-Trichloroethane	97	10.042	10.042	0.000	90	157894	5.00	5.22	
107 Tetrachloroethene	166	10.134	10.134	0.000	98	303790	5.00	5.63	
108 1,3-Dichloropropane	76	10.213	10.213	0.000	92	285028	5.00	5.37	
109 2-Hexanone	43	10.268	10.268	0.000	97	1202468	62.5	73.8	
111 Chlorodibromomethane	129	10.433	10.433	0.000	90	201497	5.00	5.60	
112 Ethylene Dibromide	107	10.548	10.548	0.000	98	148299	5.00	5.37	
* 113 Chlorobenzene-d5 (IS)	117	10.993	10.993	0.000	86	1517805	10.0	10.0	
114 1-Chlorohexane	91	11.006	11.006	0.000	98	352987	5.00	5.20	
115 Chlorobenzene	112	11.018	11.018	0.000	94	717498	5.00	5.57	
116 1,1,1,2-Tetrachloroethane	131	11.103	11.103	0.000	96	247207	5.00	5.53	
117 Ethylbenzene	91	11.109	11.109	0.000	99	1293987	5.00	5.57	
119 m-Xylene & p-Xylene	106	11.231	11.225	0.006	99	1000360	10.0	11.1	
120 o-Xylene	106	11.560	11.560	0.000	97	483965	5.00	5.54	
121 Styrene	104	11.579	11.579	0.000	94	780452	5.00	5.50	
122 Bromoform	173	11.737	11.737	0.000	98	113048	5.00	5.65	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
123 Isopropylbenzene	105	11.871	11.871	0.000	96	1307798	5.00	6.34	
$ 126 4-Bromofluorobenzene (Surr)	95	12.018	12.012	0.006	92	745510	10.0	10.0	
127 1,1,2,2-Tetrachloroethane	83	12.115	12.115	0.000	93	193701	5.00	5.18	M
128 Bromobenzene	156	12.133	12.134	-0.001	97	286949	5.00	5.31	
129 trans-1,4-Dichloro-2-butene	53	12.146	12.140	0.006	90	231373	25.0	27.0	
130 1,2,3-Trichloropropane	110	12.164	12.164	0.000	82	48612	5.00	5.36	
131 N-Propylbenzene	91	12.200	12.201	-0.001	99	1526349	5.00	5.60	
132 2-Chlorotoluene	126	12.280	12.280	0.000	96	296182	5.00	5.54	
133 1,3,5-Trimethylbenzene	105	12.341	12.341	0.000	94	1090364	5.00	5.68	
134 4-Chlorotoluene	126	12.371	12.371	0.000	98	299191	5.00	5.46	
135 tert-Butylbenzene	134	12.585	12.585	0.000	93	238307	5.00	5.46	
136 Pentachloroethane	167	12.615	12.615	0.000	90	178055	5.00	5.14	
137 1,2,4-Trimethylbenzene	105	12.627	12.627	0.000	97	1083921	5.00	5.54	
138 sec-Butylbenzene	105	12.749	12.749	0.000	94	1376946	5.00	5.62	
139 1,3-Dichlorobenzene	146	12.847	12.847	0.000	98	580165	5.00	5.46	
140 4-Isopropyltoluene	119	12.859	12.859	0.000	98	1202435	5.00	5.59	
* 141 1,4-Dichlorobenzene-d4	152	12.908	12.908	0.000	93	853365	10.0	10.0	
142 1,4-Dichlorobenzene	146	12.926	12.926	0.000	96	579785	5.00	5.35	
143 1,2,3-Trimethylbenzene	120	12.932	12.932	0.000	98	465112	5.00	5.27	
144 Benzyl chloride	126	13.005	12.999	0.006	98	80430	5.00	5.33	
145 p-Diethylbenzene	119	13.133	13.133	0.000	96	721477	5.00	5.58	
146 n-Butylbenzene	92	13.158	13.158	0.000	98	561713	5.00	5.66	
147 1,2-Dichlorobenzene	146	13.182	13.182	0.000	99	528000	5.00	5.57	
149 1,2-Dibromo-3-Chloropropane	155	13.731	13.731	0.000	87	26505	5.00	5.36	
150 1,3,5-Trichlorobenzene	180	13.859	13.859	0.000	97	443136	5.00	5.62	
151 1,2,4-Trichlorobenzene	180	14.285	14.286	-0.001	94	378821	5.00	5.60	
152 Hexachlorobutadiene	225	14.365	14.371	-0.006	95	156286	5.00	5.71	
153 Naphthalene	128	14.462	14.462	0.000	97	633680	5.00	5.42	
154 1,2,3-Trichlorobenzene	180	14.609	14.603	0.006	96	320473	5.00	5.46	
157 Pentane	43		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

MSV_LCS_VOC#1_00189	Amount Added:	12.50	Units: uL	
MSV_LCS_Penta_00047	Amount Added:	12.50	Units: uL	
MSV_QC_Gas826_00226	Amount Added:	12.50	Units: uL	
MSV_LCS_EE_00009	Amount Added:	12.50	Units: uL	
LCS_ETBR_00008	Amount Added:	12.50	Units: uL	
MSV_LCS_ACROL_00193	Amount Added:	12.50	Units: uL	
MSV_LLcentISS_00014	Amount Added:	5.00	Units: uL	Run Reagent

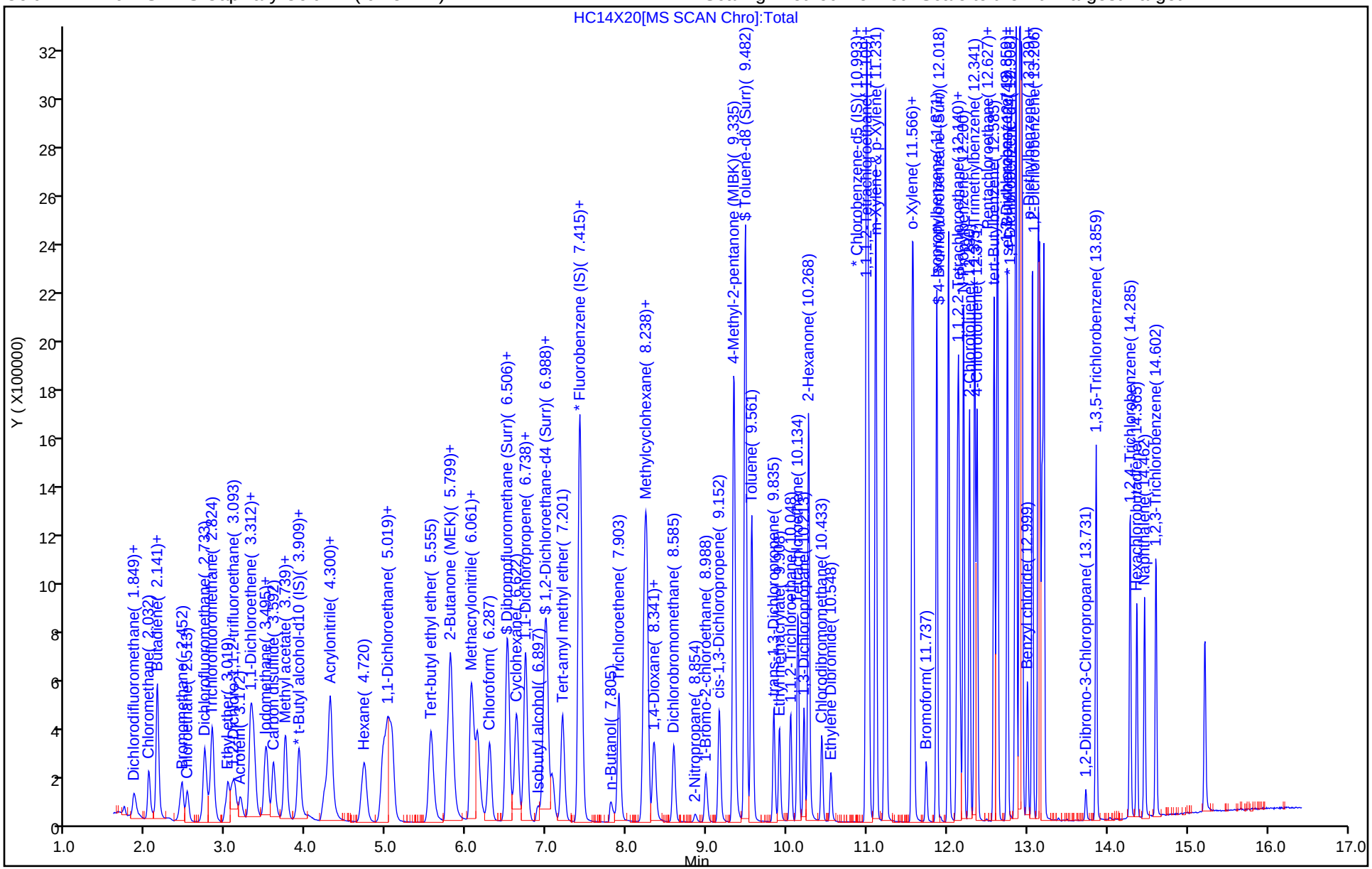
Report Date: 17-Oct-2024 09:46:10 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X20.D

Injection Date:	15-Oct-2024 00:42:30	Instrument ID:	19094	Operator ID:	gaw91131
Lims ID:	ICV			Worklist Smp#:	21
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	20
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

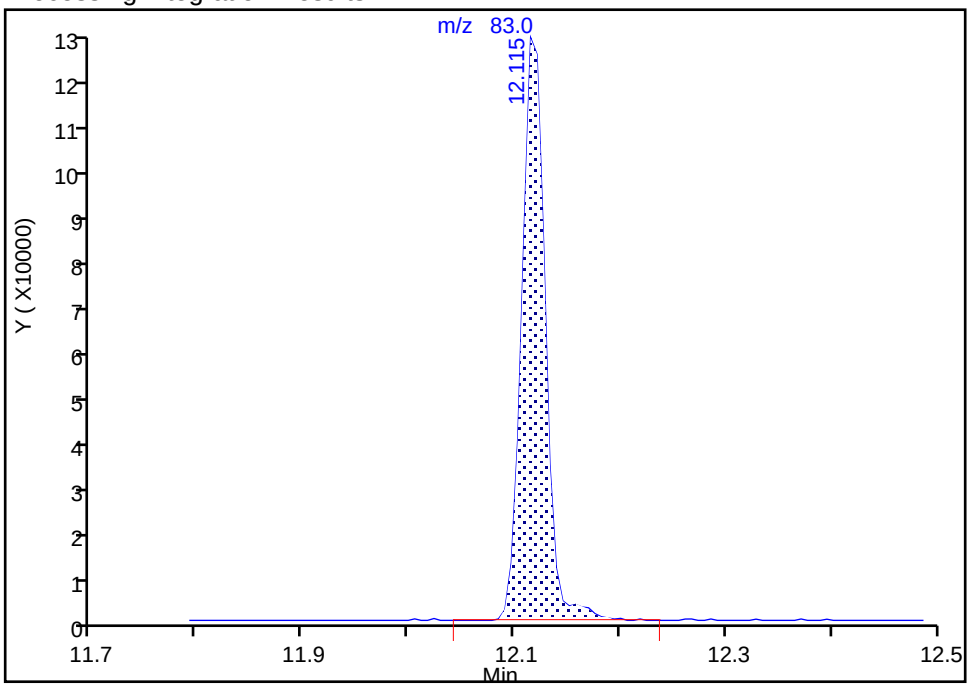
Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X20.D
Injection Date: 15-Oct-2024 00:42:30 Instrument ID: 19094
Lims ID: ICV
Client ID:
Operator ID: gaw91131 ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

127 1,1,2,2-Tetrachloroethane, CAS: 79-34-5

Signal: 1

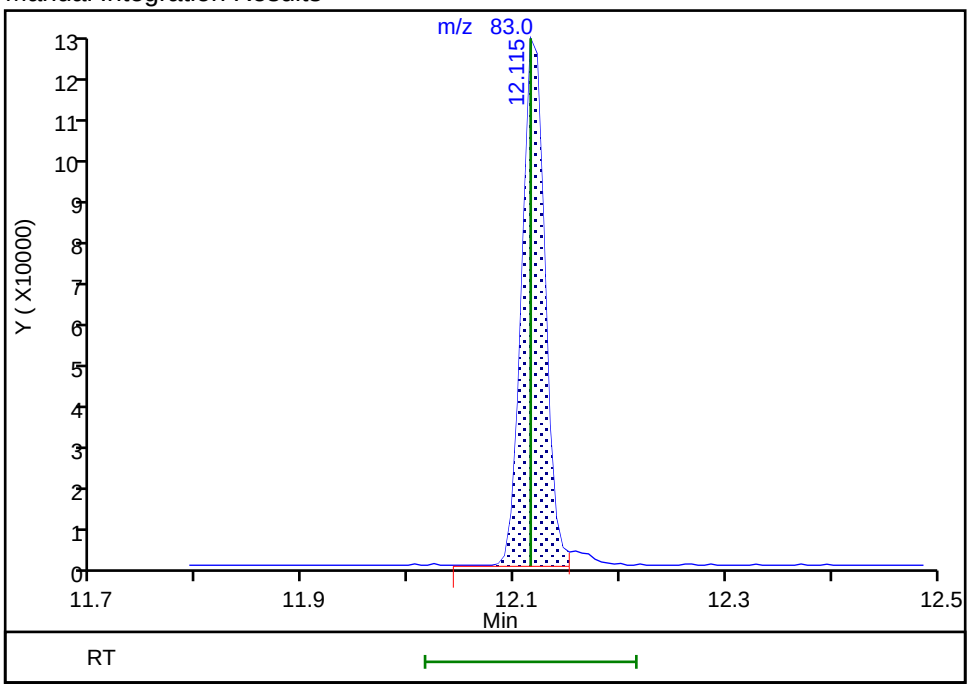
Processing Integration Results

RT: 12.12
Area: 198449
Amount: 5.311672
Amount Units: ug/l



Manual Integration Results

RT: 12.12
Area: 193701
Amount: 5.184588
Amount Units: ug/l



Reviewer: UKEK, 17-Oct-2024 08:55:37 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Baseline

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Lab Sample ID: CCVIS 410-569353/3 Calibration Date: 10/30/2024 08:56

Instrument ID: 19094 Calib Start Date: 10/14/2024 21:54

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 10/15/2024 00:00

Lab File ID: HC30X02.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.2187	0.2615	0.1000	12.0	10.0	19.6	20.0
Chloromethane	Ave	0.3263	0.3268	0.1000	10.0	10.0	0.2	20.0
1,3-Butadiene	Ave	0.3016	0.4164		13.8	10.0	38.0*	20.0
Vinyl chloride	Ave	0.2808	0.2911	0.1000	10.4	10.0	3.7	20.0
Bromomethane	Ave	0.2020	0.2194	0.1000	10.9	10.0	8.6	20.0
Chloroethane	Ave	0.1807	0.1946	0.1000	10.8	10.0	7.7	20.0
Dichlorofluoromethane	Ave	0.4627	0.5027		10.9	10.0	8.7	20.0
Trichlorofluoromethane	Ave	0.3088	0.3756	0.1000	12.2	10.0	21.6*	20.0
Ethyl ether	Ave	0.1516	0.1562		10.3	10.0	3.0	20.0
Freon 123a	Ave	0.2602	0.2906		11.2	10.0	11.7	20.0
Acrolein	Ave	2.394	1.857		389	501	-22.4*	20.0
1,1-Dichloroethene	Ave	0.1740	0.1828	0.1000	10.5	10.0	5.0	20.0
Acetone	Ave	2.783	2.541	0.1000	91.3	100	-8.7	20.0
Freon 113	Ave	0.1613	0.1993	0.1000	12.4	10.0	23.5*	20.0
Methyl iodide	Ave	0.3560	0.3696		10.4	10.0	3.8	20.0
Ethyl bromide	Ave	0.1690	0.1765		10.5	10.0	4.5	20.0
Carbon disulfide	Ave	0.5525	0.5628	0.1000	10.2	10.0	1.9	20.0
Methyl acetate	Ave	7.629	7.340	0.1000	9.62	10.0	-3.8	20.0
Allyl chloride	Ave	0.3651	0.3668		10.0	10.0	0.5	20.0
Methylene Chloride	Ave	0.2085	0.2096	0.1000	10.1	10.0	0.6	20.0
t-Butyl alcohol	Ave	0.8600	0.7791		181	200	-9.4	20.0
Acrylonitrile	Ave	3.649	3.545		24.3	25.0	-2.9	20.0
Methyl tertiary butyl ether	Ave	0.4845	0.4677	0.1000	9.65	10.0	-3.5	20.0
trans-1,2-Dichloroethene	Ave	0.2032	0.2116	0.1000	10.4	10.0	4.1	20.0
n-Hexane	Ave	0.2699	0.3088		11.4	10.0	14.4	20.0
1,1-Dichloroethane	Ave	0.3991	0.4158	0.2000	10.4	10.0	4.2	20.0
di-Isopropyl ether	Ave	0.7233	0.7305		10.1	10.0	1.0	20.0
2-Chloro-1,3-butadiene	Ave	0.3319	0.3583		10.8	10.0	7.9	20.0
Ethyl t-butyl ether	Ave	0.6585	0.6482		9.84	10.0	-1.6	20.0
2-Butanone	Ave	4.834	4.551	0.1000	94.1	100	-5.9	20.0
cis-1,2-Dichloroethene	Ave	0.2372	0.2473	0.1000	10.4	10.0	4.3	20.0
2,2-Dichloropropane	Ave	0.3314	0.3628		10.9	10.0	9.5	20.0
Propionitrile	Ave	1.311	1.332		203	200	1.6	20.0
Methacrylonitrile	Ave	5.271	4.832		91.7	100	-8.3	20.0
Bromochloromethane	Ave	0.0963	0.1024		10.6	10.0	6.3	20.0
Tetrahydrofuran	Ave	1.357	1.265		46.6	50.0	-6.8	20.0
Chloroform	Ave	0.3752	0.3961	0.2000	10.6	10.0	5.6	20.0
1,1,1-Trichloroethane	Ave	0.3193	0.3439	0.1000	10.8	10.0	7.7	20.0
Cyclohexane	Ave	0.3480	0.3923	0.1000	11.3	10.0	12.8	20.0
1,1-Dichloropropene	Ave	0.2995	0.3289		11.0	10.0	9.8	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Lab Sample ID: CCVIS 410-569353/3 Calibration Date: 10/30/2024 08:56

Instrument ID: 19094 Calib Start Date: 10/14/2024 21:54

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 10/15/2024 00:00

Lab File ID: HC30X02.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Carbon tetrachloride	Ave	0.2662	0.3133	0.1000	11.8	10.0	17.7	20.0
Isobutyl alcohol	Ave	0.3172	0.3118		492	500	-1.7	20.0
Benzene	Ave	0.9212	0.9514	0.5000	10.3	10.0	3.3	20.0
1,2-Dichloroethane	Ave	0.2163	0.2337	0.1000	10.8	10.0	8.0	20.0
t-Amyl methyl ether	Ave	0.5463	0.5393		9.87	10.0	-1.3	20.0
n-Heptane	Ave	0.2655	0.3121		11.8	10.0	17.5	20.0
n-Butanol	Ave	0.2199	0.2480		987	875	12.8	20.0
Trichloroethene	Ave	0.2303	0.2455	0.2000	10.7	10.0	6.6	20.0
Methylcyclohexane	Ave	0.3321	0.4016	0.1000	12.1	10.0	21.0*	20.0
1,2-Dichloropropane	Ave	0.2332	0.2428	0.1000	10.4	10.0	4.1	20.0
Methyl methacrylate	Ave	9.950	9.178		9.22	10.0	-7.8	20.0
1,4-Dioxane	Ave	0.0392	0.0538	0.0050	686	500	37.3*	20.0
Dibromomethane	Ave	0.0976	0.1020		10.4	10.0	4.4	20.0
Bromodichloromethane	Ave	0.2595	0.2770	0.2000	10.7	10.0	6.7	20.0
2-Nitropropane	Ave	3.242	2.877		44.4	50.0	-11.2	20.0
1-Bromo-2-chloroethane	Ave	0.2142	0.2414		11.3	10.0	12.7	20.0
cis-1,3-Dichloropropene	Ave	0.3281	0.3515	0.2000	10.7	10.0	7.1	20.0
4-Methyl-2-pentanone	Ave	13.30	11.98	0.1000	90.1	100	-9.9	20.0
Toluene	Ave	0.7876	0.7717	0.4000	9.80	10.0	-2.0	20.0
trans-1,3-Dichloropropene	Ave	0.3621	0.3624	0.1000	10.0	10.0	0.0	20.0
Ethyl methacrylate	Ave	0.2905	0.2719		9.36	10.0	-6.4	20.0
1,1,2-Trichloroethane	Ave	0.1994	0.1883	0.1000	9.44	10.0	-5.6	20.0
Tetrachloroethene	Ave	0.3555	0.3752	0.2000	10.6	10.0	5.5	20.0
1,3-Dichloropropane	Ave	0.3498	0.3418		9.77	10.0	-2.3	20.0
2-Hexanone	Ave	8.521	8.368	0.1000	98.2	100	-1.8	20.0
Dibromochloromethane	Ave	0.2371	0.2558		10.8	10.0	7.9	20.0
1,2-Dibromoethane	Ave	0.1819	0.1844	0.1000	10.1	10.0	1.4	20.0
1-Chlorohexane	Ave	0.4471	0.4436		9.92	10.0	-0.8	20.0
Chlorobenzene	Ave	0.8488	0.8637	0.5000	10.2	10.0	1.8	20.0
1,1,1,2-Tetrachloroethane	Ave	0.2945	0.3060		10.4	10.0	3.9	20.0
Ethylbenzene	Ave	1.530	1.563	0.1000	10.2	10.0	2.2	20.0
m&p-Xylene	Ave	0.5921	0.6136	0.1000	20.7	20.0	3.6	20.0
o-Xylene	Ave	0.5758	0.5965	0.3000	10.4	10.0	3.6	20.0
Styrene	Ave	0.9347	0.9517	0.3000	10.2	10.0	1.8	20.0
Bromoform	Ave	0.1317	0.1528	0.1000	11.6	10.0	16.0	20.0
Isopropylbenzene	Ave	1.358	1.429	0.1000	10.5	10.0	5.2	20.0
1,1,2,2-Tetrachloroethane	Ave	0.4378	0.4100	0.3000	9.37	10.0	-6.3	20.0
Bromobenzene	Ave	0.6336	0.6112		9.65	10.0	-3.5	20.0
trans-1,4-Dichloro-2-butene	Ave	4.476	3.876		86.6	100	-13.4	20.0
1,2,3-Trichloropropane	Ave	0.1064	0.1052		9.89	10.0	-1.1	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Lab Sample ID: CCVIS 410-569353/3 Calibration Date: 10/30/2024 08:56

Instrument ID: 19094 Calib Start Date: 10/14/2024 21:54

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 10/15/2024 00:00

Lab File ID: HC30X02.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Propylbenzene	Ave	3.193	3.174		9.94	10.0	-0.6	20.0
2-Chlorotoluene	Ave	0.6265	0.6300		10.1	10.0	0.6	20.0
1,3,5-Trimethylbenzene	Ave	2.248	2.269		10.1	10.0	0.9	20.0
4-Chlorotoluene	Ave	0.6420	0.6377		9.93	10.0	-0.7	20.0
tert-Butylbenzene	Ave	0.5118	0.5105		9.97	10.0	-0.3	20.0
Pentachloroethane	Ave	0.4062	0.4482		11.0	10.0	10.3	20.0
1,2,4-Trimethylbenzene	Ave	2.292	2.319		10.1	10.0	1.2	20.0
sec-Butylbenzene	Ave	2.870	2.951		10.3	10.0	2.8	20.0
1,3-Dichlorobenzene	Ave	1.245	1.255	0.6000	10.1	10.0	0.8	20.0
p-Isopropyltoluene	Ave	2.519	2.622		10.4	10.0	4.1	20.0
1,4-Dichlorobenzene	Ave	1.271	1.248	0.5000	9.82	10.0	-1.8	20.0
1,2,3-Trimethylbenzene	Ave	1.035	1.001		9.67	10.0	-3.3	20.0
Benzyl chloride	Ave	0.1768	0.1842		10.4	10.0	4.2	20.0
n-Butylbenzene	Ave	1.163	1.237		10.6	10.0	6.4	20.0
1,2-Dichlorobenzene	Ave	1.111	1.131	0.4000	10.2	10.0	1.8	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.0580	0.0597	0.0500	10.3	10.0	2.9	20.0
1,3,5-Trichlorobenzene	Ave	0.9239	0.9717		10.5	10.0	5.2	20.0
1,2,4-Trichlorobenzene	Ave	0.7934	0.8169	0.2000	10.3	10.0	3.0	20.0
Hexachlorobutadiene	Ave	0.3205	0.3321		10.4	10.0	3.6	20.0
Naphthalene	Ave	1.369	1.356		9.90	10.0	-1.0	20.0
1,2,3-Trichlorobenzene	Ave	0.6874	0.7044		10.2	10.0	2.5	20.0
Dibromofluoromethane (Surr)	Ave	0.2333	0.2395		10.3	10.0	2.7	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0474	0.0480		10.1	10.0	1.2	20.0
Toluene-d8 (Surr)	Ave	1.371	1.310		9.56	10.0	-4.4	20.0
4-Bromofluorobenzene (Surr)	Ave	0.4915	0.4945		10.1	10.0	0.6	20.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20241030-129201.b\HC30X02.D
Lims ID: CCVIS VSTD10
Client ID:
Sample Type: CCVIS
Inject. Date: 30-Oct-2024 08:56:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0129201-003
Misc. Info.: CCVIS VSTD10
Operator ID: ecr105096 Instrument ID: 19094
Sublist: chrom-MSV_19094_25mL*sub1

Method: \\chromfs\Lancaster\ChromData\19094\20241030-129201.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 30-Oct-2024 11:53:11 Calib Date: 15-Oct-2024 00:00:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1681

First Level Reviewer: N7YK Date: 30-Oct-2024 09:38:57

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.855	1.855	0.000	99	479622	10.0	12.0	
5 Chloromethane	50	2.038	2.038	0.000	99	599375	10.0	10.0	
7 Butadiene	39	2.142	2.142	0.000	97	763752	10.0	13.8	
6 Vinyl chloride	62	2.148	2.148	0.000	98	533883	10.0	10.4	
9 Bromomethane	94	2.453	2.453	0.000	90	402488	10.0	10.9	
10 Chloroethane	64	2.520	2.520	0.000	99	356996	10.0	10.8	
11 Dichlorofluoromethane	67	2.739	2.739	0.000	97	922142	10.0	10.9	
12 Trichlorofluoromethane	101	2.812	2.812	0.000	97	688844	10.0	12.2	
14 Ethyl ether	59	3.020	3.020	0.000	93	286391	10.0	10.3	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.099	3.099	0.000	93	533014	10.0	11.2	
16 Acrolein	56	3.178	3.178	0.000	99	1779904	501.1	388.7	
17 1,1-Dichloroethene	96	3.306	3.306	0.000	97	335229	10.0	10.5	
19 Acetone	43	3.330	3.330	0.000	99	485889	100.0	91.3	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.343	3.343	0.000	92	365551	10.0	12.4	
21 Iodomethane	142	3.489	3.489	0.000	98	677944	10.0	10.4	
22 Ethyl bromide	108	3.513	3.513	0.000	99	324317	10.0	10.5	
23 Carbon disulfide	76	3.593	3.593	0.000	99	1032244	10.0	10.2	
24 Methyl acetate	43	3.721	3.721	0.000	98	140376	10.0	9.62	M
26 3-Chloro-1-propene	41	3.739	3.739	0.000	92	672862	10.0	10.0	
27 Methylene Chloride	84	3.910	3.910	0.000	94	384539	10.0	10.1	
* 28 t-Butyl alcohol-d10 (IS)	65	3.928	3.928	0.000	98	95620	50.0	50.0	
29 2-Methyl-2-propanol	59	4.038	4.038	0.000	99	297996	200.0	181.2	
31 Acrylonitrile	53	4.227	4.227	0.000	99	169463	25.0	24.3	
32 Methyl tert-butyl ether	73	4.294	4.294	0.000	96	857831	10.0	9.65	
33 trans-1,2-Dichloroethene	96	4.300	4.300	0.000	98	388079	10.0	10.4	
34 Hexane	57	4.727	4.727	0.000	93	566348	10.0	11.4	
36 1,1-Dichloroethane	63	4.958	4.958	0.000	96	762668	10.0	10.4	
37 Isopropyl ether	45	5.019	5.019	0.000	95	1339874	10.0	10.1	
38 2-Chloro-1,3-butadiene	53	5.074	5.074	0.000	91	657135	10.0	10.8	
40 Tert-butyl ethyl ether	59	5.562	5.562	0.000	98	1188877	10.0	9.84	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
41 2-Butanone (MEK)	43	5.769	5.769	0.000	100	870333	100.0	94.1	
42 cis-1,2-Dichloroethene	96	5.799	5.799	0.000	83	453594	10.0	10.4	
43 2,2-Dichloropropane	77	5.812	5.812	0.000	89	665480	10.0	10.9	
44 Propionitrile	54	5.860	5.860	0.000	99	509640	200.0	203.3	
47 Methacrylonitrile	67	6.068	6.068	0.000	93	923997	100.0	91.7	
48 Chlorobromomethane	128	6.141	6.141	0.000	95	187888	10.0	10.6	
49 Tetrahydrofuran	71	6.153	6.153	0.000	79	120991	50.0	46.6	
50 Chloroform	83	6.287	6.287	0.000	94	726597	10.0	10.6	
$ 52 Dibromofluoromethane (Surr)	113	6.507	6.507	0.000	94	439256	10.0	10.3	
53 1,1,1-Trichloroethane	97	6.519	6.519	0.000	99	630827	10.0	10.8	
54 Cyclohexane	56	6.629	6.629	0.000	91	719639	10.0	11.3	
56 Carbon tetrachloride	117	6.738	6.738	0.000	95	574726	10.0	11.8	
55 1,1-Dichloropropene	75	6.738	6.738	0.000	95	603188	10.0	11.0	
57 Isobutyl alcohol	41	6.903	6.903	0.000	96	298144	500.0	491.5	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.964	6.964	0.000	82	88060	10.0	10.1	
59 Benzene	78	7.000	7.000	0.000	97	1745122	10.0	10.3	
60 1,2-Dichloroethane	62	7.080	7.080	0.000	97	428680	10.0	10.8	
63 Tert-amyl methyl ether	73	7.208	7.208	0.000	98	989213	10.0	9.87	
* 64 Fluorobenzene (IS)	96	7.415	7.415	0.000	97	1834199	10.0	10.0	
65 n-Heptane	43	7.439	7.439	0.000	91	572470	10.0	11.8	
67 n-Butanol	56	7.799	7.799	0.000	89	414994	875.0	986.8	
68 Trichloroethene	95	7.903	7.903	0.000	98	450209	10.0	10.7	
69 Methylcyclohexane	83	8.220	8.220	0.000	91	736671	10.0	12.1	
70 1,2-Dichloropropane	63	8.238	8.238	0.000	96	445390	10.0	10.4	
71 2-ethoxy-2-methyl butane	87	8.256	8.256	0.000	91	654753	10.0	10.3	
72 Methyl methacrylate	69	8.336	8.336	0.000	91	175527	10.0	9.22	
73 1,4-Dioxane	88	8.342	8.342	0.000	37	51404	500.0	686.4	
74 Dibromomethane	93	8.348	8.348	0.000	95	187019	10.0	10.4	
76 Dichlorobromomethane	83	8.592	8.592	0.000	99	508026	10.0	10.7	
77 2-Nitropropane	41	8.860	8.860	0.000	98	275090	50.0	44.4	
79 1-Bromo-2-chloroethane	63	8.994	8.994	0.000	99	442790	10.0	11.3	
80 cis-1,3-Dichloropropene	75	9.159	9.159	0.000	95	644806	10.0	10.7	
82 4-Methyl-2-pentanone (MIBK)	43	9.341	9.341	0.000	97	2291550	100.0	90.1	
$ 83 Toluene-d8 (Surr)	98	9.488	9.488	0.000	94	1869946	10.0	9.56	
84 Toluene	92	9.561	9.561	0.000	98	1101118	10.0	9.80	
85 trans-1,3-Dichloropropene	75	9.835	9.835	0.000	94	517097	10.0	10.0	
104 Ethyl methacrylate	69	9.908	9.908	0.000	90	387927	10.0	9.36	
106 1,1,2-Trichloroethane	97	10.049	10.049	0.000	91	268678	10.0	9.44	
107 Tetrachloroethene	166	10.140	10.140	0.000	98	535345	10.0	10.6	
108 1,3-Dichloropropane	76	10.213	10.213	0.000	92	487671	10.0	9.77	
109 2-Hexanone	43	10.274	10.274	0.000	98	1600329	100.0	98.2	
111 Chlorodibromomethane	129	10.439	10.439	0.000	90	365065	10.0	10.8	
112 Ethylene Dibromide	107	10.549	10.549	0.000	98	263178	10.0	10.1	
* 113 Chlorobenzene-d5 (IS)	117	10.994	10.994	0.000	86	1426960	10.0	10.0	
114 1-Chlorohexane	91	11.012	11.012	0.000	98	633070	10.0	9.92	
115 Chlorobenzene	112	11.024	11.024	0.000	95	1232482	10.0	10.2	
116 1,1,1,2-Tetrachloroethane	131	11.109	11.109	0.000	97	436677	10.0	10.4	
117 Ethylbenzene	91	11.109	11.109	0.000	99	2230495	10.0	10.2	
119 m-Xylene & p-Xylene	106	11.231	11.231	0.000	99	1751288	20.0	20.7	
120 o-Xylene	106	11.567	11.567	0.000	96	851229	10.0	10.4	
121 Styrene	104	11.579	11.579	0.000	95	1358107	10.0	10.2	
122 Bromoform	173	11.737	11.737	0.000	98	218050	10.0	11.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
123 Isopropylbenzene	105	11.871	11.871	0.000	96	2038895	10.0	10.5	
$ 126 4-Bromofluorobenzene (Surr)	95	12.018	12.018	0.000	92	705571	10.0	10.1	
127 1,1,2,2-Tetrachloroethane	83	12.115	12.115	0.000	92	346811	10.0	9.37	
128 Bromobenzene	156	12.127	12.127	0.000	96	516969	10.0	9.65	
129 trans-1,4-Dichloro-2-butene	53	12.146	12.146	0.000	91	741187	100.0	86.6	
130 1,2,3-Trichloropropane	110	12.164	12.164	0.000	82	88960	10.0	9.89	
131 N-Propylbenzene	91	12.201	12.201	0.000	99	2684527	10.0	9.94	
132 2-Chlorotoluene	126	12.280	12.280	0.000	97	532812	10.0	10.1	
133 1,3,5-Trimethylbenzene	105	12.341	12.341	0.000	94	1918851	10.0	10.1	
134 4-Chlorotoluene	126	12.371	12.371	0.000	98	539347	10.0	9.93	
135 tert-Butylbenzene	134	12.585	12.585	0.000	93	431759	10.0	9.97	
136 Pentachloroethane	167	12.615	12.615	0.000	92	379094	10.0	11.0	
137 1,2,4-Trimethylbenzene	105	12.627	12.627	0.000	97	1961746	10.0	10.1	
138 sec-Butylbenzene	105	12.749	12.749	0.000	94	2495837	10.0	10.3	
139 1,3-Dichlorobenzene	146	12.847	12.847	0.000	99	1061316	10.0	10.1	
140 4-Isopropyltoluene	119	12.859	12.859	0.000	98	2217325	10.0	10.4	
* 141 1,4-Dichlorobenzene-d4	152	12.902	12.902	0.000	94	845793	10.0	10.0	
142 1,4-Dichlorobenzene	146	12.926	12.926	0.000	94	1055455	10.0	9.82	
143 1,2,3-Trimethylbenzene	120	12.932	12.932	0.000	99	846745	10.0	9.67	
144 Benzyl chloride	126	12.999	12.999	0.000	99	155777	10.0	10.4	
145 p-Diethylbenzene	119	13.133	13.133	0.000	94	1326931	10.0	10.3	
146 n-Butylbenzene	92	13.152	13.152	0.000	98	1046184	10.0	10.6	
147 1,2-Dichlorobenzene	146	13.182	13.182	0.000	99	956741	10.0	10.2	
149 1,2-Dibromo-3-Chloropropane	155	13.731	13.731	0.000	88	50455	10.0	10.3	
150 1,3,5-Trichlorobenzene	180	13.853	13.853	0.000	98	821818	10.0	10.5	
151 1,2,4-Trichlorobenzene	180	14.280	14.280	0.000	94	690898	10.0	10.3	
152 Hexachlorobutadiene	225	14.365	14.365	0.000	95	280870	10.0	10.4	
153 Naphthalene	128	14.456	14.456	0.000	97	1146839	10.0	9.90	
154 1,2,3-Trichlorobenzene	180	14.603	14.603	0.000	96	595812	10.0	10.2	
157 Pentane	43		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_#1_826_00150	Amount Added:	20.00	Units: uL	
MSV_LL_GAS826_00240	Amount Added:	20.00	Units: uL	
MSV_LL_#2_826_00158	Amount Added:	20.00	Units: uL	
MSV_LLcentISS_00013	Amount Added:	5.00	Units: uL	Run Reagent

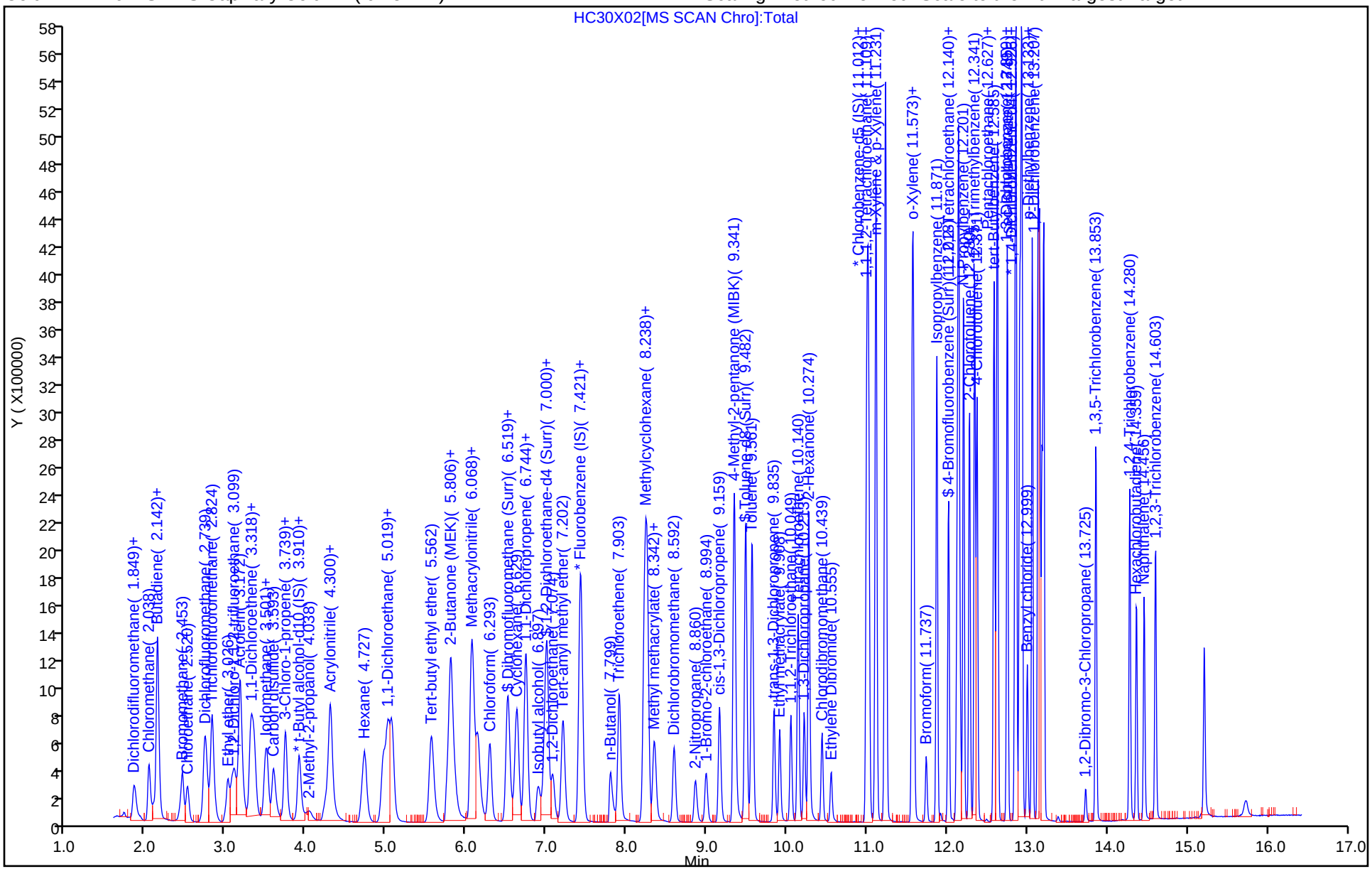
Report Date: 30-Oct-2024 11:53:12 Chrom Revision: 2.3 17-Oct-2024 11:42:22

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20241030-129201.b\HC30X02.D

Injection Date:	30-Oct-2024 08:56:30	Instrument ID:	19094	Operator ID:	ecr105096
Lims ID:	CCVIS VSTD10			Worklist Smp#:	3
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

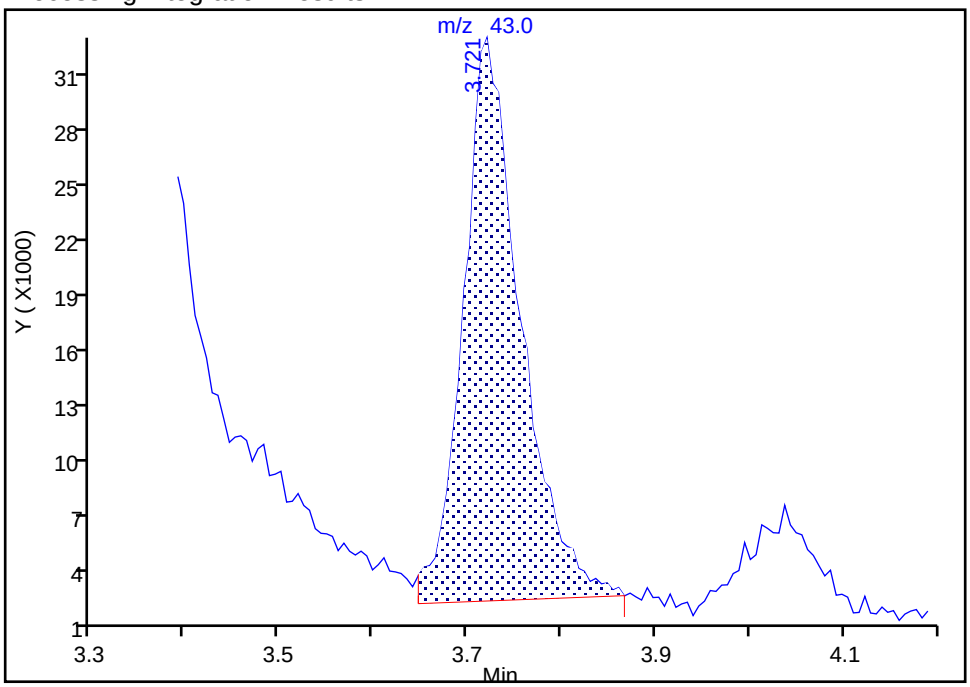
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Injection Date:	30-Oct-2024 08:56:30	Instrument ID:	19094		
Lims ID:	CCVIS VSTD10				
Client ID:					
Operator ID:	ecr105096	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

24 Methyl acetate, CAS: 79-20-9

Signal: 1

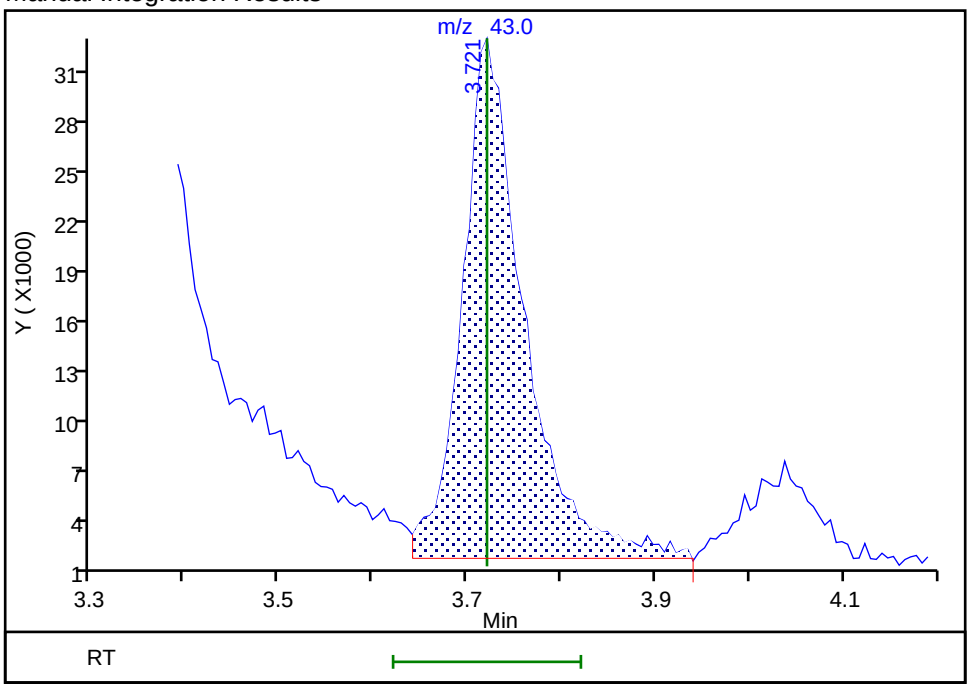
Processing Integration Results

RT: 3.72
Area: 127573
Amount: 8.743873
Amount Units: ug/l



Manual Integration Results

RT: 3.72
Area: 140376
Amount: 9.621392
Amount Units: ug/l



Reviewer: N7YK, 30-Oct-2024 09:25:22 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14T01.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 14-Jun-2024 17:48:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 410-0116724-001
Misc. Info.: BFB
Operator ID: MEC29284 Instrument ID: 10193

Method: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 16-Jun-2024 14:14:59 Calib Date: 15-Jun-2024 00:45:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1663

First Level Reviewer: K4WN Date: 14-Jun-2024 18:15:37

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 168 BFB	95	5.018	5.018	0.000	95	452835	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

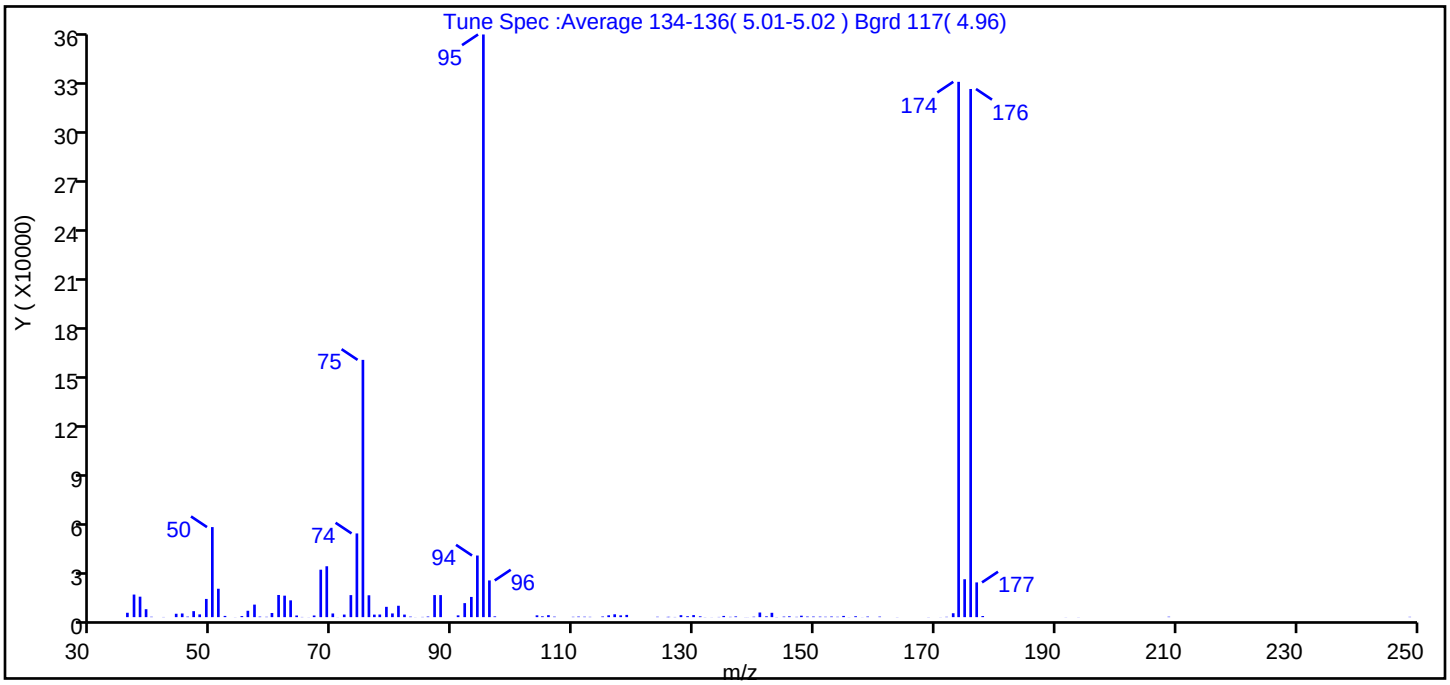
MSV_V_BFB_00017 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14T01.D
Injection Date: 14-Jun-2024 17:48:30 Instrument ID: 10193
Lims ID: BFB
Client ID:
Operator ID: MEC29284 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Tune Method: BFB Method 8260

$ 168 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	15.5
75	30 to 60% of m/z 95	44.2
96	5 to 9% of m/z 95	6.3
173	Less than 2% of m/z 174	0.7 (0.7)
174	50 to 120% of m/z 95	91.9
175	5 to 9% of m/z 174	6.5 (7.1)
176	Greater than 95% but less than 101% of m/z 174	90.6 (98.7)
177	5 to 9% of m/z 176	6.0 (6.6)

Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14T01.D\MSV_10193_25mL.rslt\spectra.d
Injection Date: 14-Jun-2024 17:48:30
Spectrum: Tune Spec :Average 134-136(5.01-5.02) Bgrd 117(4.96)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 121

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2652	70.00	2236	111.00	334	147.00	182
37.00	13710	71.00	50	112.00	262	148.00	878
38.00	12428	72.00	1565	113.00	190	149.00	346
39.00	4820	73.00	13372	115.00	391	150.00	353
40.00	228	74.00	50808	116.00	1112	151.00	309
42.00	102	75.00	156160	117.00	1733	152.00	233
44.00	2063	76.00	13267	118.00	1080	153.00	374
45.00	2224	77.00	1536	119.00	1364	154.00	221
46.00	308	78.00	1593	124.00	230	155.00	741
47.00	3638	79.00	6257	126.00	150	156.00	58
48.00	1673	80.00	2253	126.00	189	157.00	544
49.00	11053	81.00	6913	127.00	113	158.00	51
50.00	54656	82.00	1548	128.00	1195	159.00	350
51.00	17240	83.00	312	129.00	553	161.00	324
52.00	751	84.00	52	130.00	1250	164.00	70
54.00	57	85.00	140	131.00	485	169.00	75
55.00	646	86.00	371	132.00	72	171.00	58
56.00	3870	87.00	13390	133.00	51	172.00	194
57.00	7613	88.00	13379	134.00	124	173.00	2368
58.00	317	91.00	1078	135.00	739	174.00	324928
59.00	202	92.00	8507	136.00	183	175.00	23008
60.00	2519	93.00	12261	137.00	440	176.00	320576
61.00	13452	94.00	37408	138.00	56	177.00	21088
62.00	13038	95.00	353664	139.00	53	178.00	671
63.00	10193	96.00	22288	140.00	268	192.00	50
64.00	1000	97.00	466	141.00	2808	194.00	57
65.00	120	104.00	1098	142.00	486	209.00	256
66.00	56	105.00	497	143.00	2635	249.00	178
67.00	999	106.00	1195	144.00	91		
68.00	28800	107.00	300	145.00	324		
69.00	30888	110.00	207	146.00	507		

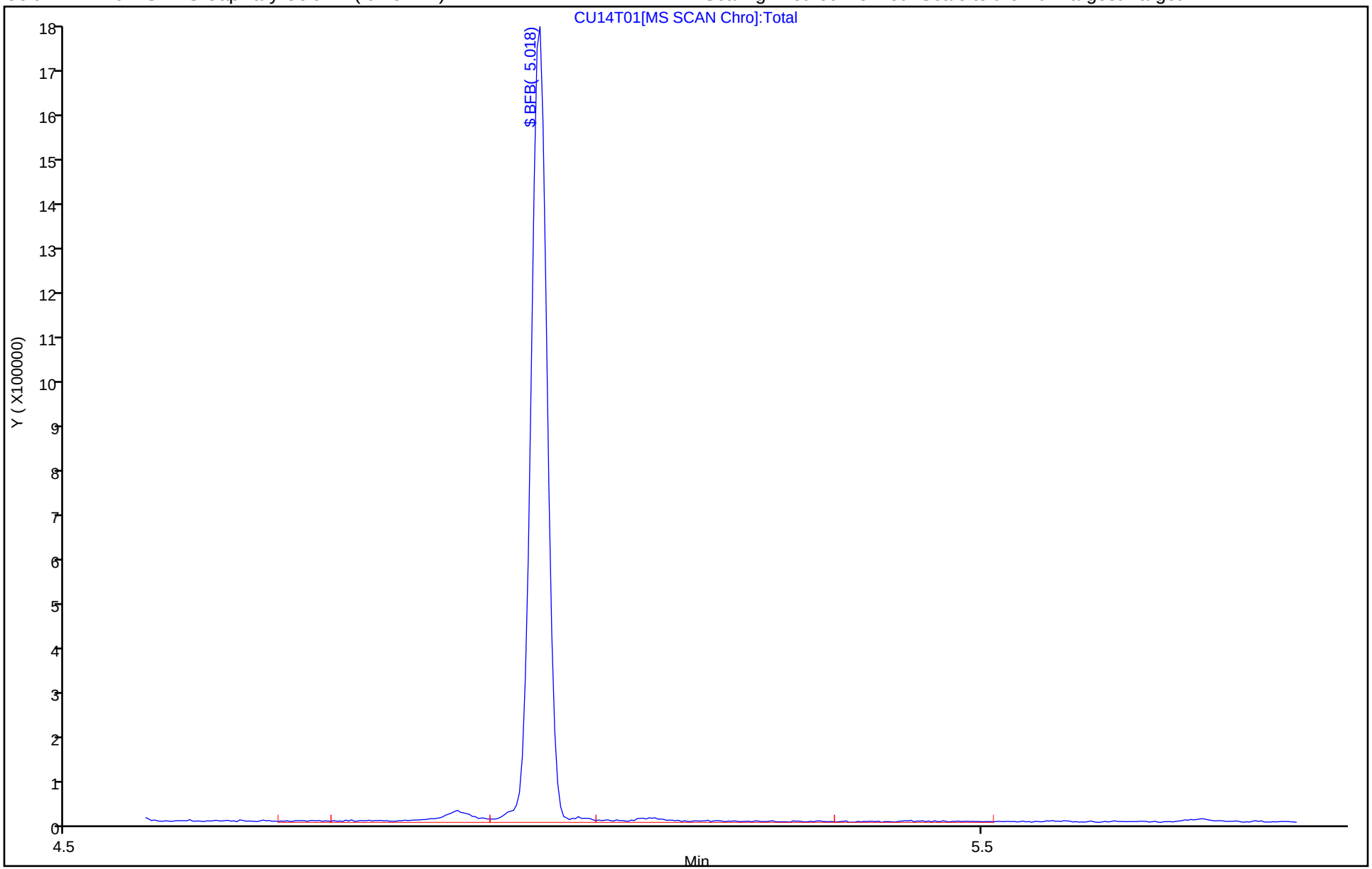
Report Date: 16-Jun-2024 14:14:59 Chrom Revision: 2.3 03-Jun-2024 20:58:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14T01.D

Injection Date:	14-Jun-2024 17:48:30	Instrument ID:	10193	Operator ID:	MEC29284
Lims ID:	BFB			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File:	\\chromfs\Lancaster\ChromData\10193\20241029-129145.b\CC29T31.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	29-Oct-2024 20:53:30	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	410-0129145-001				
Misc. Info.:	BFB				
Operator ID:	gaw91131	Instrument ID:	10193		
Method:	\\chromfs\Lancaster\ChromData\10193\20241029-129145.b\MSV_10193_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	29-Oct-2024 23:00:54	Calib Date:	15-Jun-2024 00:45:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1647				

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 168 BFB	95	4.995	4.995	0.000	97	713854	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

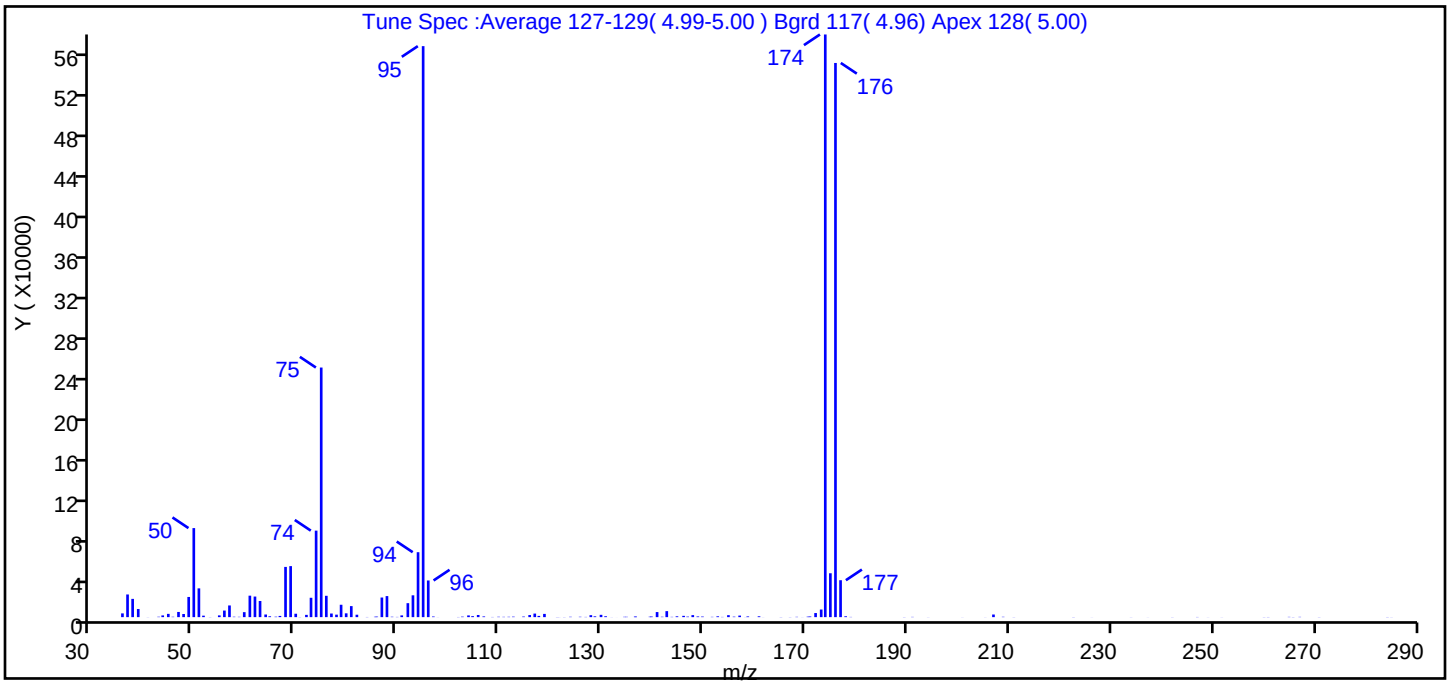
MSV_V_BFB_00017 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\10193\20241029-129145.b\CC29T31.D				
Injection Date:	29-Oct-2024 20:53:30	Instrument ID:	10193		
Lims ID:	BFB				
Client ID:					
Operator ID:	gaw91131	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Tune Method:	BFB Method 8260				

$ 168 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	15.6
75	30 to 60% of m/z 95	43.7
96	5 to 9% of m/z 95	6.4
173	Less than 2% of m/z 174	1.3 (1.3)
174	50 to 120% of m/z 95	102.0
175	5 to 9% of m/z 174	7.7 (7.5)
176	Greater than 95% but less than 101% of m/z 174	97.1 (95.1)
177	5 to 9% of m/z 176	6.5 (6.7)

Data File: \\chromfs\Lancaster\ChromData\10193\20241029-129145.b\CC29T31.D\MSV_10193_25mL.rslt\spectra.d
Injection Date: 29-Oct-2024 20:53:30
Spectrum: Tune Spec :Average 127-129(4.99-5.00) Bgrd 117(4.96) Apex 128(5.00)
Base Peak: 173.90
Minimum % Base Peak: 0
Number of Points: 151

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	3690	77.00	3565	122.00	65	167.00	122
37.00	22264	78.00	2449	123.00	117	168.00	296
38.00	17928	79.00	12163	124.00	358	169.00	59
39.00	7962	80.00	3749	126.00	366	170.00	466
41.00	85	81.00	10834	127.00	214	171.00	633
43.00	386	82.00	2374	128.00	1933	172.00	4027
44.00	1702	84.00	163	129.00	775	173.00	7486
45.00	3224	86.00	376	130.00	2277	174.00	572032
46.00	374	86.00	513	131.00	865	175.00	43088
47.00	5100	87.00	19264	132.00	68	176.00	544064
48.00	3087	88.00	20672	133.00	23	177.00	36256
49.00	19816	89.00	392	134.00	321	178.00	843
50.00	87424	90.00	219	135.00	325	179.00	214
51.00	28248	91.00	1708	137.00	484	189.00	124
52.00	1444	92.00	13718	137.00	483	191.00	245
53.00	122	93.00	21432	140.00	437	194.00	74
55.00	1713	94.00	63760	140.00	575	201.00	63
56.00	6467	95.00	560576	141.00	4984	205.00	70
57.00	11479	96.00	36000	142.00	388	207.00	2588
58.00	408	97.00	614	143.00	5905	209.00	337
59.00	323	98.00	58	144.00	275	211.00	110
60.00	4896	102.00	161	145.00	818	223.00	136
61.00	21080	103.00	488	146.00	1274	226.00	50
62.00	20216	104.00	1695	147.00	510	234.00	84
63.00	15849	105.00	969	148.00	1983	237.00	53
64.00	2588	106.00	2124	149.00	674	242.00	99
65.00	836	107.00	697	150.00	571	247.00	173
66.00	440	109.00	179	152.00	291	249.00	62
67.00	1193	110.00	369	153.00	807	252.00	67
68.00	49312	111.00	293	154.00	207	260.00	121
69.00	50096	112.00	343	155.00	1941	261.00	152
70.00	3341	113.00	471	156.00	473	265.00	263
71.00	130	115.00	569	157.00	1530	266.00	136

Report Date: 29-Oct-2024 23:00:54 Chrom Revision: 2.3 17-Oct-2024 11:42:22
Data File: \\chromfs\Lancaster\ChromData\10193\20241029-129145.b\CC29T31.D\MSV_10193_25mL.rslt\spectra.d
Injection Date: 29-Oct-2024 20:53:30
Spectrum: Tune Spec :Average 127-129(4.99-5.00) Bgrd 117(4.96) Apex 128(5.00)
Base Peak: 173.90
Minimum % Base Peak: 0
Number of Points: 151

m/z	Y	m/z	Y	m/z	Y	m/z	Y
72.00	2237	116.00	2055	158.00	70	267.00	267
73.00	19016	117.00	3493	159.00	694	271.00	120
74.00	84928	118.00	1211	161.00	822	284.00	146
75.00	245056	119.00	3184	162.00	61	285.00	84
76.00	20952	121.00	128	165.00	134		

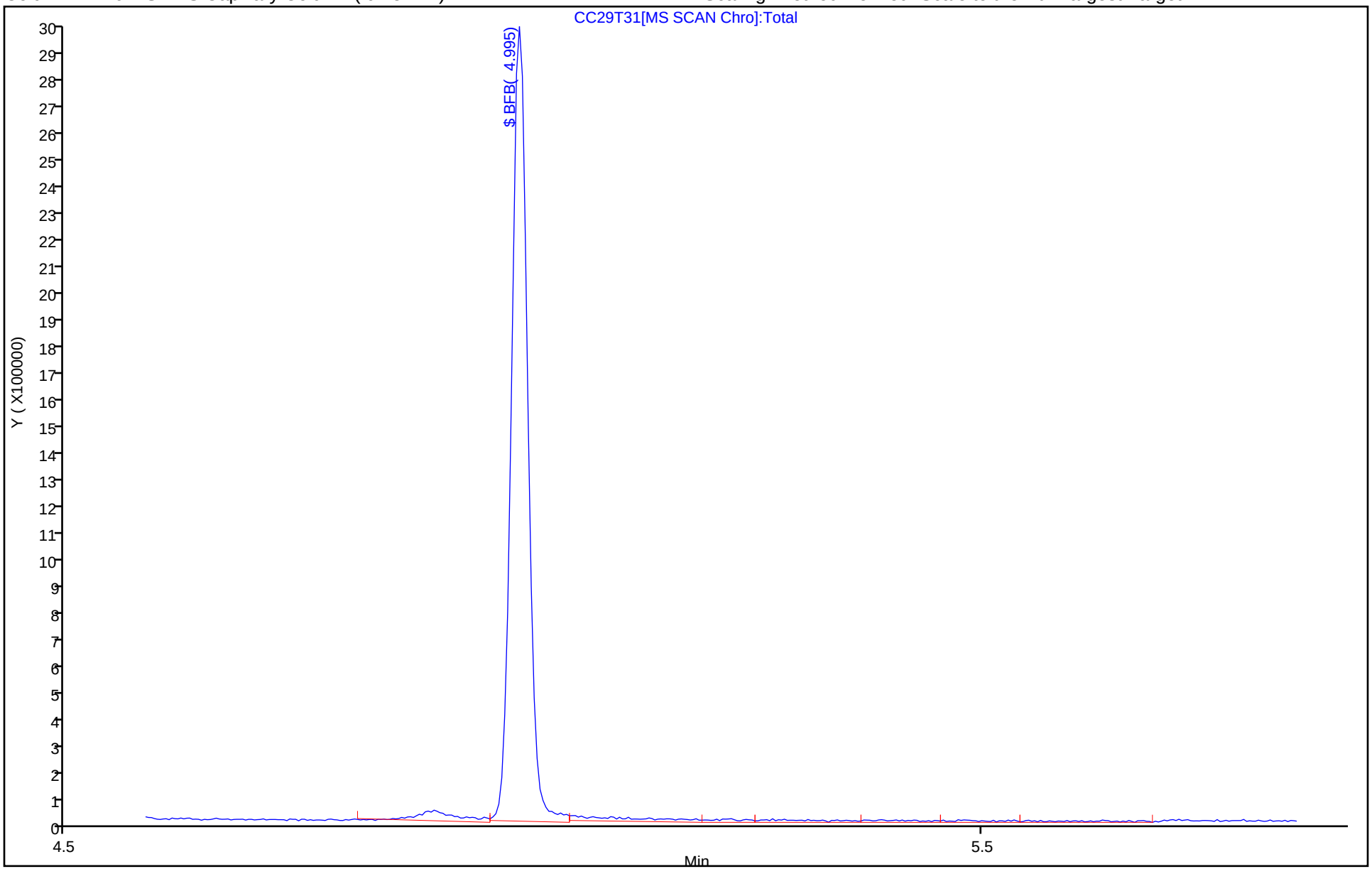
Report Date: 29-Oct-2024 23:00:54 Chrom Revision: 2.3 17-Oct-2024 11:42:22

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20241029-129145.b\CC29T31.D

Injection Date:	29-Oct-2024 20:53:30	Instrument ID:	10193	Operator ID:	gaw91131
Lims ID:	BFB			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File:	\\chromfs\Lancaster\ChromData\16334\20240826-123245.b\GG26T01.D				
Lims ID:	bfb				
Client ID:					
Sample Type:	BFB				
Inject. Date:	26-Aug-2024 14:02:30	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	410-0123245-001				
Misc. Info.:	bfb				
Operator ID:	knk41612	Instrument ID:	16334		
Method:	\\chromfs\Lancaster\ChromData\16334\20240826-123245.b\MSV_16334_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	27-Aug-2024 01:09:12	Calib Date:	26-Aug-2024 17:02:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\16334\20240826-123245.b\GG26X08.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1622				
First Level Reviewer: DVW2		Date:	26-Aug-2024 15:29:50		

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 168 BFB	95	5.011	5.011	0.000	94	341885	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

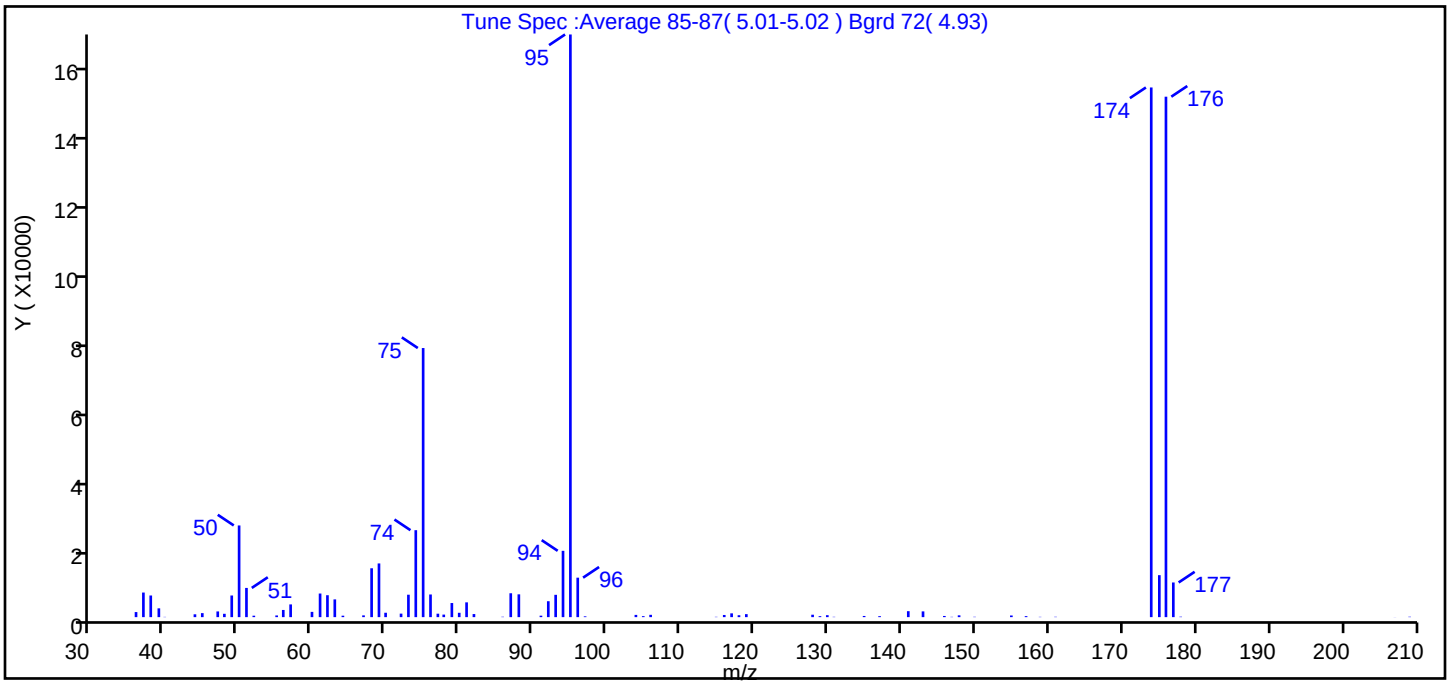
MSV_V_BFB_00017 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20240826-123245.b\GG26T01.D				
Injection Date:	26-Aug-2024 14:02:30	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	15.7
75	30 to 60% of m/z 95	46.2
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	90.9
175	5 to 9% of m/z 174	7.2 (7.9)
176	Greater than 95% but less than 101% of m/z 174	89.3 (98.3)
177	5 to 9% of m/z 176	6.0 (6.7)

Data File: \\chromfs\Lancaster\ChromData\16334\20240826-123245.b\GG26T01.D\MSV_16334_25mL.rslt\spectra.d
Injection Date: 26-Aug-2024 14:02:30
Spectrum: Tune Spec :Average 85-87(5.01-5.02) Bgrd 72(4.93)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 77

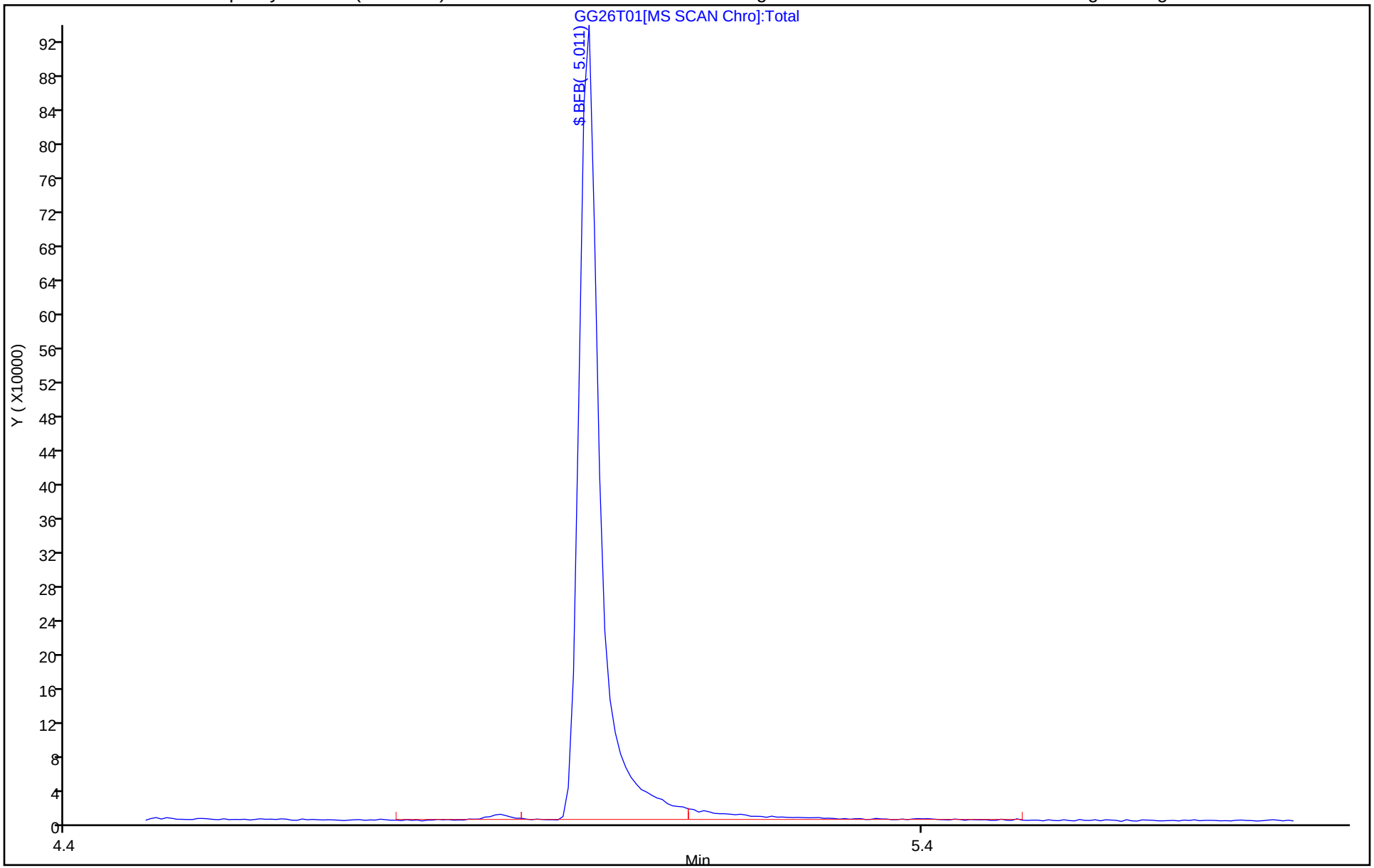
m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1479	64.00	420	92.00	4635	141.00	1736
37.00	7159	67.00	515	93.00	6498	143.00	1677
38.00	6301	68.00	14225	94.00	19304	146.00	342
39.00	2563	69.00	15631	95.00	169600	147.00	86
40.00	74	70.00	1279	96.00	11488	148.00	528
44.00	831	72.00	1025	97.00	228	150.00	100
45.00	1169	73.00	6529	104.00	653	155.00	481
47.00	1662	74.00	25312	105.00	285	157.00	294
48.00	975	75.00	78328	106.00	677	159.00	87
49.00	6302	76.00	6598	115.00	94	161.00	104
50.00	26688	77.00	1007	116.00	629	174.00	154176
51.00	8505	78.00	743	117.00	1105	175.00	12219
52.00	420	79.00	4107	118.00	559	176.00	151488
55.00	494	80.00	1268	119.00	875	177.00	10092
56.00	2092	81.00	4305	128.00	708	178.00	130
57.00	3707	82.00	900	129.00	282	207.00	23
60.00	1534	86.00	112	130.00	569	209.00	119
61.00	6874	87.00	6955	131.00	94		
62.00	6381	88.00	6637	135.00	342		
63.00	5168	91.00	426	137.00	284		

Report Date: 27-Aug-2024 01:09:12 Chrom Revision: 2.3 20-Aug-2024 19:34:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20240826-123245.b\GG26T01.D				
Injection Date:	26-Aug-2024 14:02:30	Instrument ID:	16334	Operator ID:	knk41612
Lims ID:	bfb			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23T01.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 23-Oct-2024 09:22:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 410-0128543-001
Misc. Info.: BFB
Operator ID: ecr105096 Instrument ID: 16334

Method: \\chromfs\Lancaster\ChromData\16334\20241023-128543.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 24-Oct-2024 08:41:46 Calib Date: 26-Aug-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\16334\20240826-123245.b\GG26X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1694

First Level Reviewer: FQ4L Date: 24-Oct-2024 08:41:46

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 168 BFB	95	4.999	4.999	0.000	87	542706	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

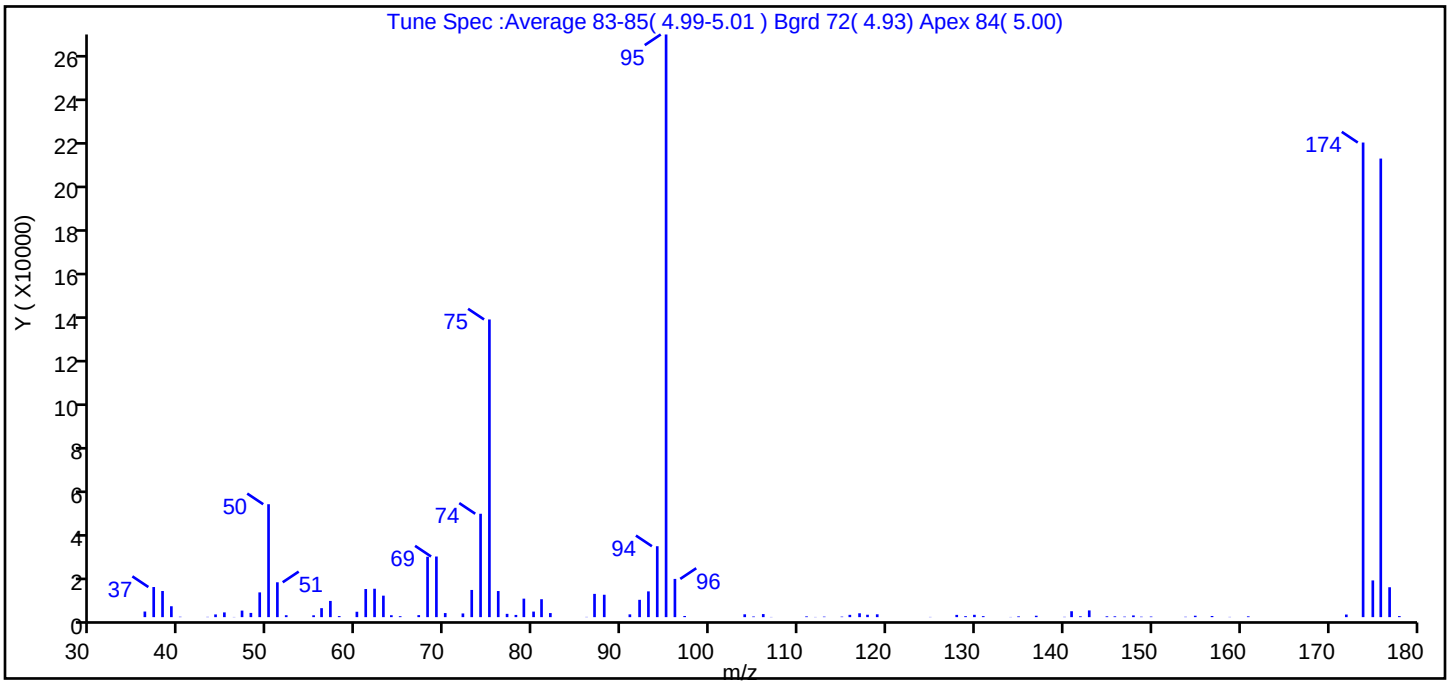
MSV_V_BFB_00017 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23T01.D
Injection Date: 23-Oct-2024 09:22:30 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	19.4
75	30 to 60% of m/z 95	51.1
96	5 to 9% of m/z 95	6.6
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	81.5
175	5 to 9% of m/z 174	6.3 (7.7)
176	Greater than 95% but less than 101% of m/z 174	78.7 (96.6)
177	5 to 9% of m/z 176	5.1 (6.5)

Data File: \\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23T01.D\MSV_16334_25mL.rslt\spectra.d
Injection Date: 23-Oct-2024 09:22:30
Spectrum: Tune Spec :Average 83-85(4.99-5.01) Bgrd 72(4.93) Apex 84(5.00)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 91

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2576	64.00	875	94.00	32552	137.00	647
37.00	13820	65.00	424	95.00	267456	140.00	139
38.00	11995	67.00	918	96.00	17552	141.00	2715
39.00	4999	68.00	27720	97.00	531	142.00	371
40.00	173	69.00	27832	104.00	1305	143.00	3086
43.00	127	70.00	1869	105.00	297	145.00	390
44.00	1247	72.00	1698	106.00	1411	146.00	381
45.00	2177	73.00	12479	107.00	85	147.00	237
46.00	83	74.00	47456	111.00	351	148.00	786
47.00	3007	75.00	136640	112.00	88	149.00	201
48.00	1943	76.00	11980	113.00	232	150.00	268
49.00	11363	77.00	1518	115.00	235	154.00	169
50.00	51832	78.00	1017	116.00	1054	155.00	650
51.00	16006	79.00	8490	117.00	1776	157.00	527
52.00	881	80.00	2550	118.00	1102	159.00	109
55.00	846	81.00	8231	119.00	1296	161.00	367
56.00	4123	82.00	1873	125.00	97	172.00	1197
57.00	7442	86.00	108	128.00	1038	174.00	217856
58.00	476	87.00	10679	129.00	453	175.00	16856
60.00	2480	88.00	10280	130.00	1078	176.00	210496
61.00	12904	91.00	1275	131.00	458	177.00	13725
62.00	13042	92.00	7953	134.00	85	178.00	474
63.00	9865	93.00	11829	135.00	350		

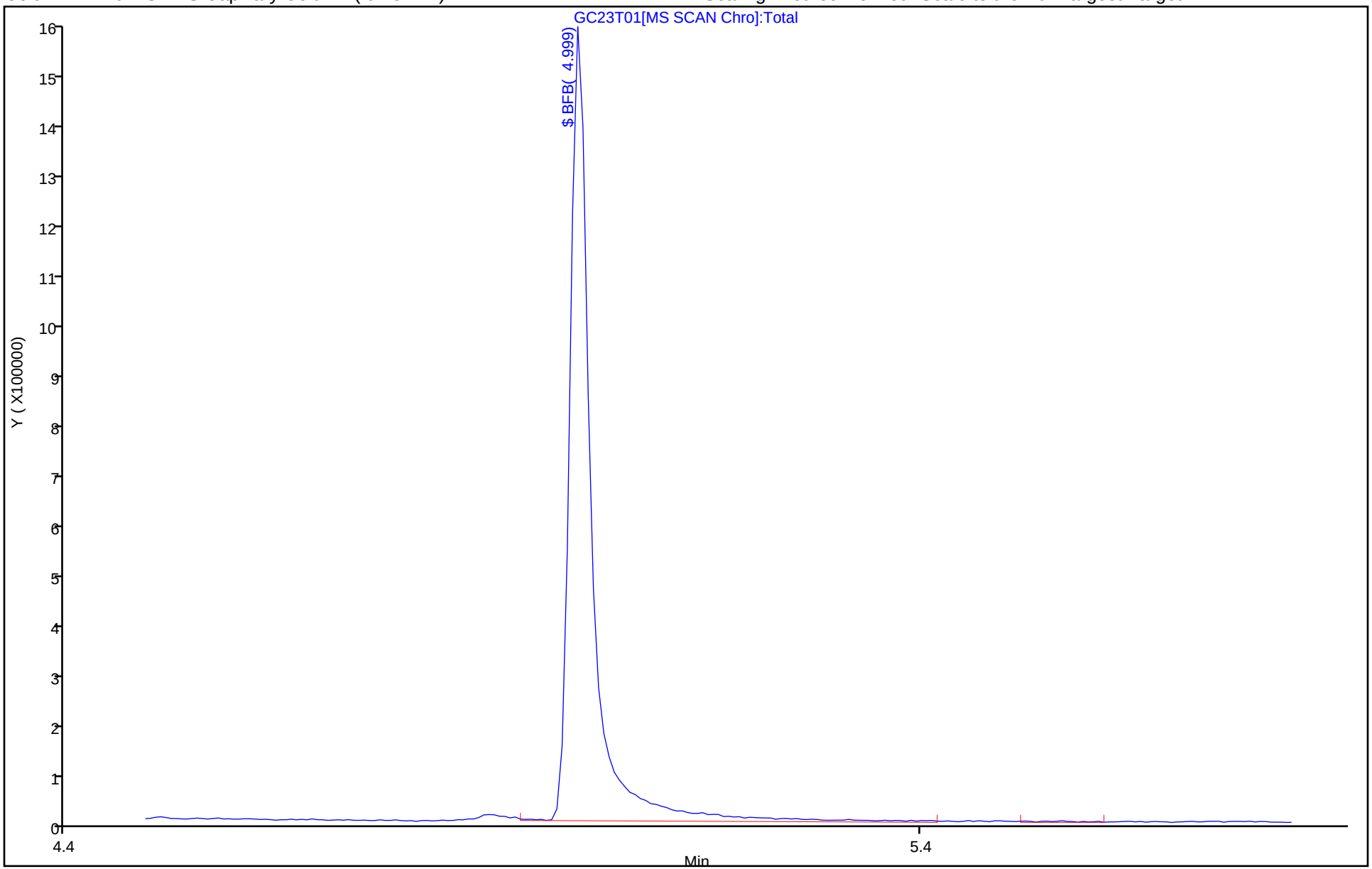
Report Date: 24-Oct-2024 08:41:46 Chrom Revision: 2.3 17-Oct-2024 11:42:22

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23T01.D

Injection Date:	23-Oct-2024 09:22:30	Instrument ID:	16334	Operator ID:	ecr105096
Lims ID:	BFB			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14T01.D
Lims ID: bfb
Client ID:
Sample Type: BFB
Inject. Date: 14-Oct-2024 17:46:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 410-0127661-001
Misc. Info.: BFB
Operator ID: gaw91131 Instrument ID: 19094

Method: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 15-Oct-2024 09:55:44 Calib Date: 15-Oct-2024 00:00:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1657

First Level Reviewer: JS6E Date: 14-Oct-2024 19:12:05

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 166 BFB	95	5.050	5.050	0.000	93	338598	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

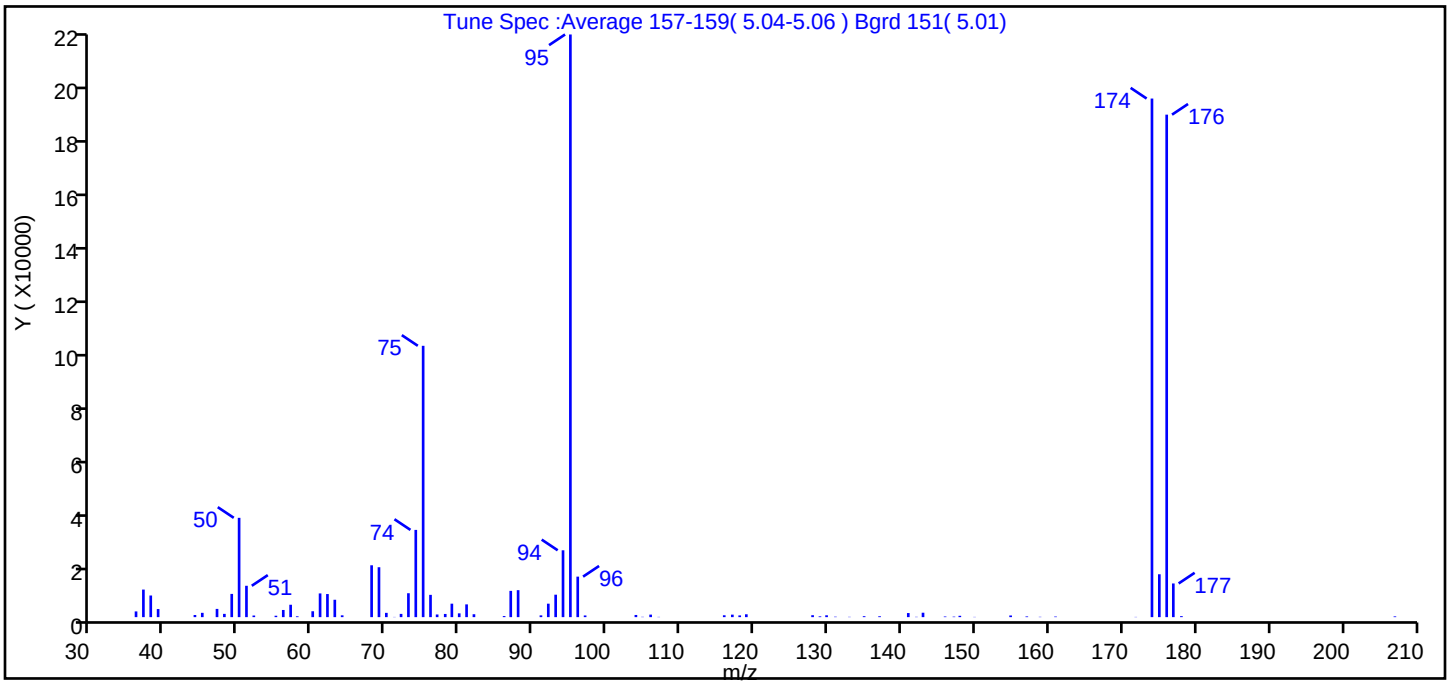
MSV_V_BFB_00017 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14T01.D
Injection Date: 14-Oct-2024 17:46:30 Instrument ID: 19094
Lims ID: bfb
Client ID:
Operator ID: gaw91131 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: MSV_19094_25mL Limit Group: MSV - 8260C_D
Tune Method: BFB Method 8260

$ 166 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	17.0
75	30 to 60% of m/z 95	46.6
96	5 to 9% of m/z 95	7.0
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	89.0
175	5 to 9% of m/z 174	7.4 (8.3)
176	Greater than 95% but less than 101% of m/z 174	86.2 (96.9)
177	5 to 9% of m/z 176	5.8 (6.7)

Data File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14T01.D\MSV_19094_25mL.rslt\spectra.d
Injection Date: 14-Oct-2024 17:46:30
Spectrum: Tune Spec :Average 157-159(5.04-5.06) Bgrd 151(5.01)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 79

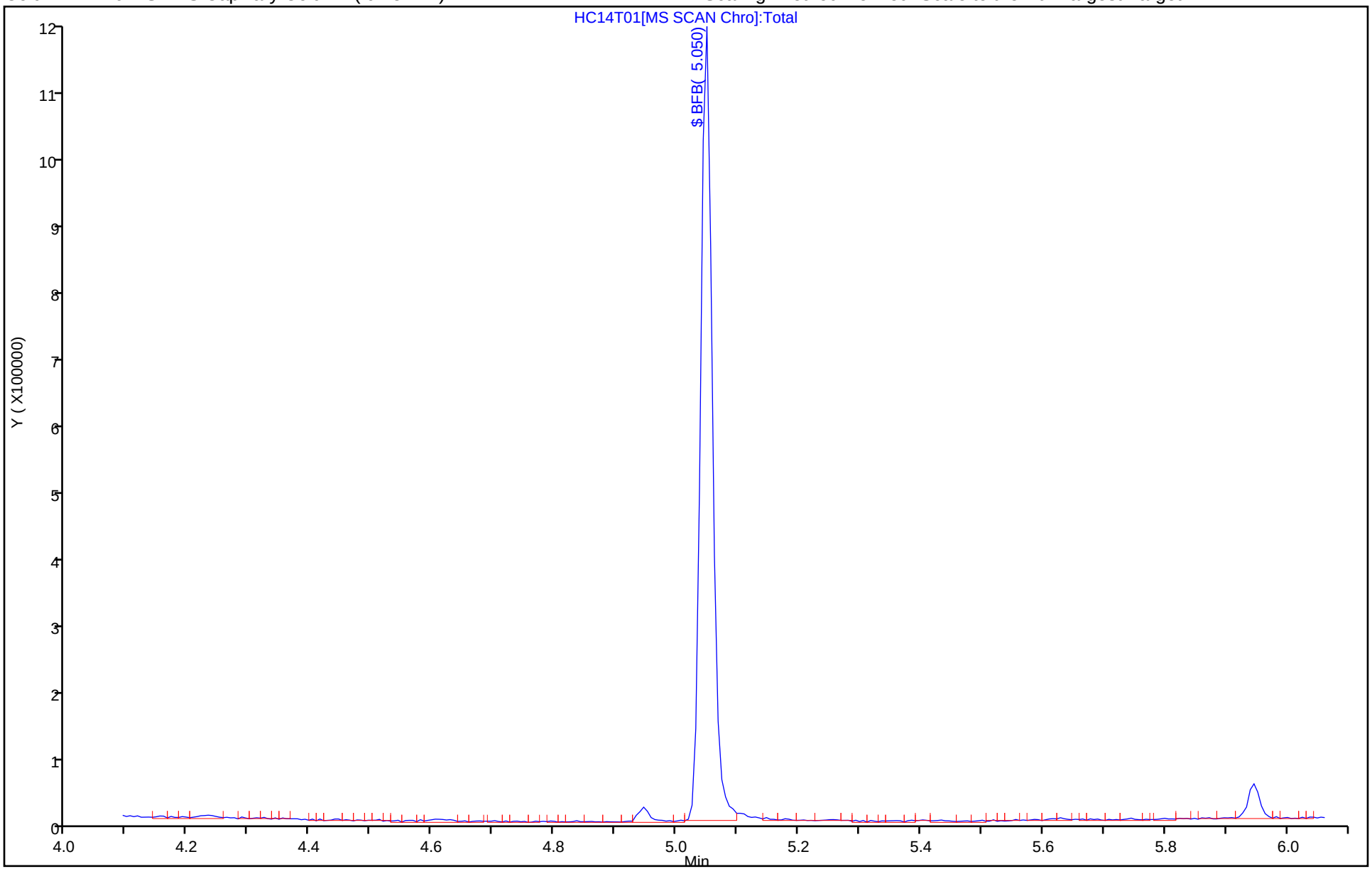
m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2074	64.00	658	92.00	4870	137.00	317
37.00	9970	68.00	18752	93.00	8118	141.00	1477
38.00	7824	69.00	18048	94.00	24176	142.00	115
39.00	2926	70.00	1550	95.00	210688	143.00	1600
44.00	774	71.00	75	96.00	14646	146.00	230
45.00	1558	72.00	1176	97.00	609	147.00	183
47.00	2979	73.00	8649	104.00	785	148.00	488
48.00	1184	74.00	31544	105.00	115	150.00	84
49.00	8403	75.00	98112	106.00	915	155.00	599
50.00	35912	76.00	8060	107.00	92	157.00	259
51.00	11342	77.00	963	116.00	677	159.00	118
52.00	587	78.00	1154	117.00	907	161.00	213
55.00	511	79.00	4871	118.00	628	172.00	83
56.00	2592	80.00	1372	119.00	1037	174.00	187520
57.00	4483	81.00	4615	128.00	702	175.00	15504
58.00	299	82.00	1054	129.00	279	176.00	181696
60.00	2132	86.00	385	130.00	669	177.00	12180
61.00	8575	87.00	9498	131.00	160	178.00	355
62.00	8351	88.00	9753	133.00	110	207.00	271
63.00	6286	91.00	642	135.00	338		

Report Date: 15-Oct-2024 09:55:45 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14T01.D				
Injection Date:	14-Oct-2024 17:46:30	Instrument ID:	19094	Operator ID:	gaw91131
Lims ID:	bfb			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20241030-129201.b\HC30T01.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 30-Oct-2024 08:20:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 410-0129201-001
Misc. Info.: BFB
Operator ID: ecr105096 Instrument ID: 19094

Method: \\chromfs\Lancaster\ChromData\19094\20241030-129201.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 31-Oct-2024 08:20:02 Calib Date: 15-Oct-2024 00:00:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1633

First Level Reviewer: FQ4L Date: 31-Oct-2024 08:20:02

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 166 BFB	95	5.050	5.050	0.000	93	330711	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

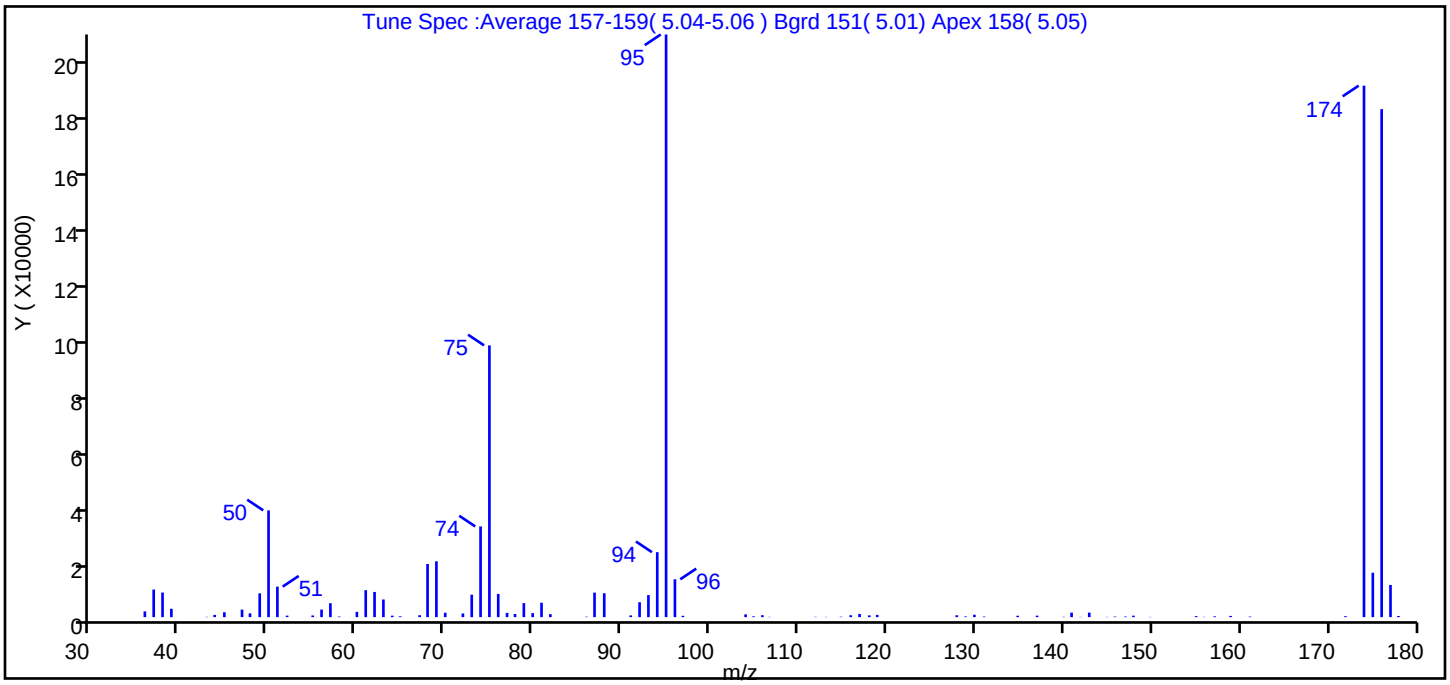
MSV_V_BFB_00017 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20241030-129201.b\HC30T01.D				
Injection Date:	30-Oct-2024 08:20:30	Instrument ID:	19094		
Lims ID:	BFB				
Client ID:					
Operator ID:	ecr105096	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		
Tune Method:	BFB Method 8260				

$ 166 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	18.3
75	30 to 60% of m/z 95	46.6
96	5 to 9% of m/z 95	6.5
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	91.2
175	5 to 9% of m/z 174	7.6 (8.4)
176	Greater than 95% but less than 101% of m/z 174	87.2 (95.6)
177	5 to 9% of m/z 176	5.5 (6.3)

Data File: \\chromfs\Lancaster\ChromData\19094\20241030-129201.b\HC30T01.D\MSV_19094_25mL.rslt\spectra.d
Injection Date: 30-Oct-2024 08:20:30
Spectrum: Tune Spec :Average 157-159(5.04-5.06) Bgrd 151(5.01) Apex 158(5.05)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 85

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1975	65.00	296	94.00	22344	141.00	1545
37.00	9488	67.00	670	95.00	200320	142.00	92
38.00	8455	68.00	18280	96.00	13010	143.00	1553
39.00	2876	69.00	19200	97.00	466	145.00	89
43.00	98	70.00	1520	104.00	949	146.00	206
44.00	781	72.00	1273	105.00	285	147.00	214
45.00	1675	73.00	7712	106.00	668	148.00	513
47.00	2590	74.00	31184	107.00	97	150.00	84
48.00	1307	75.00	93432	112.00	112	155.00	356
49.00	8181	76.00	7986	113.00	84	156.00	92
50.00	36712	77.00	1446	115.00	154	157.00	274
51.00	10496	78.00	1072	116.00	645	159.00	426
52.00	520	79.00	4816	117.00	1108	161.00	193
55.00	575	80.00	1384	118.00	608	172.00	329
56.00	2604	81.00	4947	119.00	759	174.00	182720
57.00	4788	82.00	1035	128.00	644	175.00	15267
58.00	208	86.00	154	129.00	237	176.00	174656
60.00	1817	87.00	8425	130.00	821	177.00	11066
61.00	9272	88.00	8219	131.00	208	178.00	398
62.00	8661	91.00	595	135.00	482		
63.00	6072	92.00	5117	137.00	514		
64.00	505	93.00	7581	140.00	113		

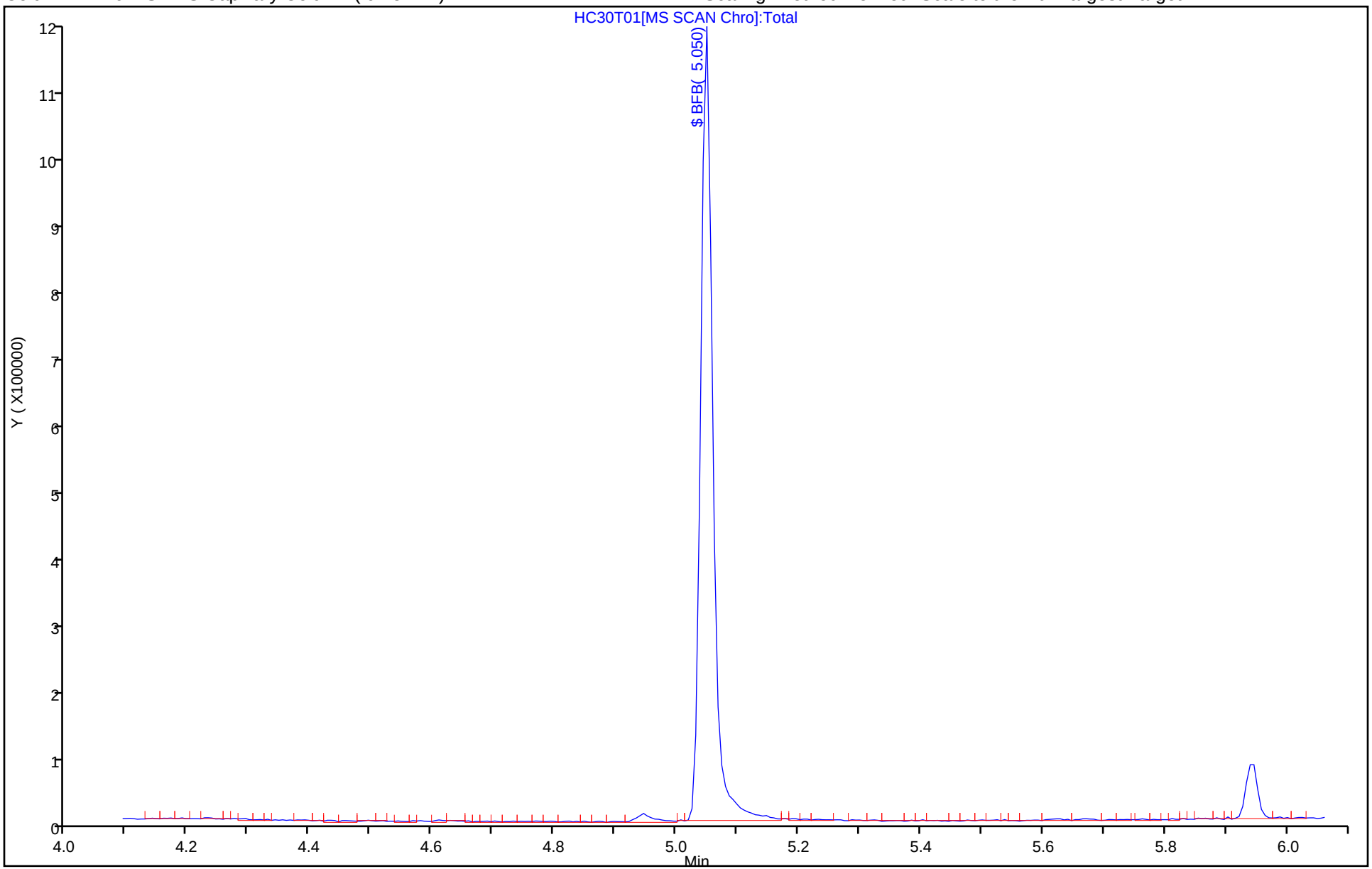
Report Date: 31-Oct-2024 08:20:02 Chrom Revision: 2.3 17-Oct-2024 11:42:22

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20241030-129201.b\HC30T01.D

Injection Date:	30-Oct-2024 08:20:30	Instrument ID:	19094	Operator ID:	ecr105096
Lims ID:	BFB			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-193020-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-566703/7

Matrix: Water
Lab File ID: GC23X06.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 25(mL)
Date Analyzed: 10/23/2024 11:27

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 566703
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.: 410-193020-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-566703/7

Matrix: Water
Lab File ID: GC23X06.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 25(mL)
Date Analyzed: 10/23/2024 11:27

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 566703
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)	97		80-120
460-00-4	4-Bromofluorobenzene (Surr)	99		80-120
1868-53-7	Dibromofluoromethane (Surr)	102		80-120
2037-26-5	Toluene-d8 (Surr)	106		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X06.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 23-Oct-2024 11:27:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0128543-007
Misc. Info.: MB
Operator ID: ecr105096 Instrument ID: 16334

Method: \\chromfs\Lancaster\ChromData\16334\20241023-128543.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 24-Oct-2024 08:43:24 Calib Date: 26-Aug-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\16334\20240826-123245.b\GG26X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1694

First Level Reviewer: N7YK Date: 23-Oct-2024 12:32:41

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1	Chlorotrifluoroethene	116		1.794					ND	
3	Chlorodifluoromethane	51		1.843					ND	
2	Dichlorodifluoromethane	85		1.843					ND	
4	Dimethyl ether	45		1.904					ND	7
5	Chloromethane	50		2.032					ND	
7	Butadiene	39		2.123					ND	7
6	Vinyl chloride	62		2.136					ND	
8	2-Chloro-1,1,1-Trifluoroethane	118		2.197					ND	
9	Bromomethane	94		2.453					ND	
10	Chloroethane	64		2.495					ND	
11	Dichlorofluoromethane	67		2.715					ND	
12	Trichlorofluoromethane	101		2.812					ND	
13	Ethyl ether	59		3.007					ND	
16	1,2-Dichloro-1,1,2-trifluoroetha	67		3.087					ND	
17	Acrolein	56		3.160					ND	
14	Ethanol	45		3.190					ND	
18	1,1-Dichloroethene	96		3.288					ND	
19	Acetone	43		3.324					ND	
20	1,1,2-Trichloro-1,2,2-trifluoroe	101		3.324					ND	
22	Iodomethane	142		3.465					ND	
21	Isopropyl alcohol	45		3.489					ND	
23	Ethyl bromide	108		3.495					ND	
24	Carbon disulfide	76		3.562					ND	MU
26	Acetonitrile	41		3.672					ND	
25	Methyl acetate	43		3.715					ND	
27	3-Chloro-1-propene	41		3.727					ND	
29	Methylene Chloride	84		3.897					ND	
* 30	t-Butyl alcohol-d10 (IS)	65	3.952	3.934	0.018	24	96599	50.0	50.0	
31	2-Methyl-2-propanol	59		4.068					ND	
32	Acrylonitrile	53		4.233					ND	
33	Methyl tert-butyl ether	73		4.275					ND	

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
	34 trans-1,2-Dichloroethene	96		4.275				ND		
	35 Hexane	57		4.708				ND		
	37 1,1-Dichloroethane	63		4.934				ND		
	36 Vinyl acetate	43		4.940				ND		
	38 Isopropyl ether	45		5.013				ND		
	39 2-Chloro-1,3-butadiene	53		5.050				ND		
	40 Tert-butyl ethyl ether	59		5.543				ND		
	41 2-Butanone (MEK)	43		5.769				ND		
	42 cis-1,2-Dichloroethene	96		5.781				ND		
	43 2,2-Dichloropropane	77		5.793				ND		
	44 Ethyl acetate	43		5.842				ND		
	45 Propionitrile	54		5.860				ND		
	48 Methacrylonitrile	67		6.068				ND		
	49 Chlorobromomethane	128		6.110				ND		
	46 Methyl acrylate	55		6.141				ND		
	50 Tetrahydrofuran	71		6.147				ND		
S	47 1,2-Dichloroethene, Total	100		6.155				ND		7
	51 Chloroform	83		6.269				ND		
$	52 Dibromofluoromethane (Surr)	113	6.488	6.482	0.006	93	520780	10.0	10.2	
	53 1,1,1-Trichloroethane	97		6.501				ND		
	54 Cyclohexane	56		6.592				ND		
	55 Carbon tetrachloride	117		6.708				ND		
	56 1,1-Dichloropropene	75		6.714				ND		
	58 Isobutyl alcohol	41		6.921				ND		
	57 1-Chlorobutane	56		6.940				ND		
$	59 1,2-Dichloroethane-d4 (Surr)	102	6.939	6.940	-0.001	66	91799	10.0	9.72	
	60 Benzene	78		6.976				ND		
	61 1,2-Dichloroethane	62		7.043				ND		
	62 Isopropyl acetate	43		7.086				ND		
	63 Tert-amyl methyl ether	73		7.177				ND		
*	64 Fluorobenzene (IS)	96	7.384	7.385	-0.001	99	2122480	10.0	10.0	
	65 n-Heptane	43		7.409				ND		
	67 n-Butanol	56		7.811				ND		
	66 t-Amyl alcohol	73		7.842				ND		
	68 Trichloroethene	95		7.866				ND		
	69 Methylcyclohexane	83		8.171				ND		
	70 1,2-Dichloropropane	63		8.195				ND		
	71 2-ethoxy-2-methyl butane	87		8.220				ND		
	72 Methyl methacrylate	69		8.305				ND		
	74 Dibromomethane	93		8.305				ND		
	73 1,4-Dioxane	88		8.311				ND		
	75 n-Propyl acetate	61		8.397				ND		
	76 Dichlorobromomethane	83		8.549				ND		
	77 2-Nitropropane	41		8.817				ND		
	78 2-Chloroethyl vinyl ether	63		8.933				ND		
	79 1-Bromo-2-chloroethane	63		8.939				ND		
	81 cis-1,3-Dichloropropene	75		9.110				ND		
	80 Chloroacetonitrile	75		9.189				ND		
	82 4-Methyl-2-pentanone (MIBK)	43		9.305				ND		
$	83 Toluene-d8 (Surr)	98	9.433	9.433	0.000	94	2152650	10.0	10.6	
	84 Toluene	92		9.512				ND		
	85 trans-1,3-Dichloropropene	75		9.787				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		9.866				ND		
107 1,1,2-Trichloroethane	97		9.994				ND		
S 106 1,3-Dichloropropene, Total	100		10.060				ND		7
108 Tetrachloroethene	166		10.085				ND		
109 1,3-Dichloropropane	76		10.158				ND		
110 2-Hexanone	43		10.232				ND		
111 n-Butyl acetate	43		10.366				ND		
112 Chlorodibromomethane	129		10.378				ND		
113 Ethylene Dibromide	107		10.488				ND		
* 114 Chlorobenzene-d5 (IS)	117	10.933	10.933	0.000	86	1557956	10.0	10.0	
115 1-Chlorohexane	91		10.945				ND		U
116 Chlorobenzene	112		10.957				ND		
117 1,1,1,2-Tetrachloroethane	131		11.042				ND		
118 Ethylbenzene	91		11.049				ND		
120 m-Xylene & p-Xylene	106		11.164				ND		
S 119 Xylenes, Total	106		11.245				ND		7
121 o-Xylene	106		11.500				ND		
122 Styrene	104		11.518				ND		
123 Bromoform	173		11.670				ND		
124 Isopropylbenzene	105		11.798				ND		
125 cis-1,4-Dichloro-2-butene	88		11.859				ND		
126 Cyclohexanone	55		11.890				ND		U
$ 127 4-Bromofluorobenzene (Surr)	95	11.945	11.945	0.000	89	707986	10.0	9.88	
128 1,1,2,2-Tetrachloroethane	83		12.048				ND		
129 Bromobenzene	156		12.061				ND		
130 trans-1,4-Dichloro-2-butene	53		12.073				ND		
131 1,2,3-Trichloropropane	110		12.091				ND		
132 N-Propylbenzene	91		12.134				ND		
133 2-Chlorotoluene	126		12.207				ND		
134 1,3,5-Trimethylbenzene	105		12.268				ND		
135 4-Chlorotoluene	126		12.298				ND		
136 tert-Butylbenzene	134		12.512				ND		
137 Pentachloroethane	167		12.542				ND		
138 1,2,4-Trimethylbenzene	105		12.554				ND		
139 sec-Butylbenzene	105		12.670				ND		
140 1,3-Dichlorobenzene	146		12.768				ND		
141 4-Isopropyltoluene	119		12.780				ND		7
* 142 1,4-Dichlorobenzene-d4	152	12.829	12.823	0.006	96	792190	10.0	10.0	
143 1,4-Dichlorobenzene	146		12.841				ND		7
144 1,2,3-Trimethylbenzene	120		12.853				ND		7
145 Benzyl chloride	126		12.920				ND		
146 p-Diethylbenzene	119		13.054				ND		
147 n-Butylbenzene	92		13.073				ND		
148 1,2-Dichlorobenzene	146		13.103				ND		
149 Hexachloroethane	201		13.499				ND		
150 1,2-Dibromo-3-Chloropropane	155		13.646				ND		
151 1,3,5-Trichlorobenzene	180		13.767				ND		
152 1,2,4-Trichlorobenzene	180		14.188				ND		
153 Hexachlorobutadiene	225		14.267				ND		
154 Naphthalene	128		14.365				ND		
155 1,2,3-Trichlorobenzene	180		14.505				ND		
156 2-Methylnaphthalene	142		15.097				ND		

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
157 1,1-Dichloro-1-fluoroethane	1		0.000					ND	
158 1-Chloropropane	1		0.000					ND	
159 1-Bromo-3-Chloropropane	1		0.000					ND	
160 Propene oxide	1		0.000					ND	
161 n-Decane	57		0.000					ND	
162 Methylal	1		0.000					ND	
163 tert-Butyl Formate	1		0.000					ND	
164 1,1-Dichloroacetone	1		0.000					ND	
165 Dodecane	57		0.000					ND	
166 2-Bromo-1-chloropropane	1		0.000					ND	
209 1,1-Dichloro-1-fluoroethane TIC	1		0.000					ND	
167 Pentane	43	2.800	2.806	-0.006	8	524			NR

QC Flag Legend

Processing Flags
- NR - Missing Quant Standard
- 7 - Failed Limit of Detection

Review Flags
- M - Manually Integrated
- U - Marked Undetected

Reagents:

MSV_HP25_ISSS_00101 Amount Added: 1.00 Units: uL Run Reagent

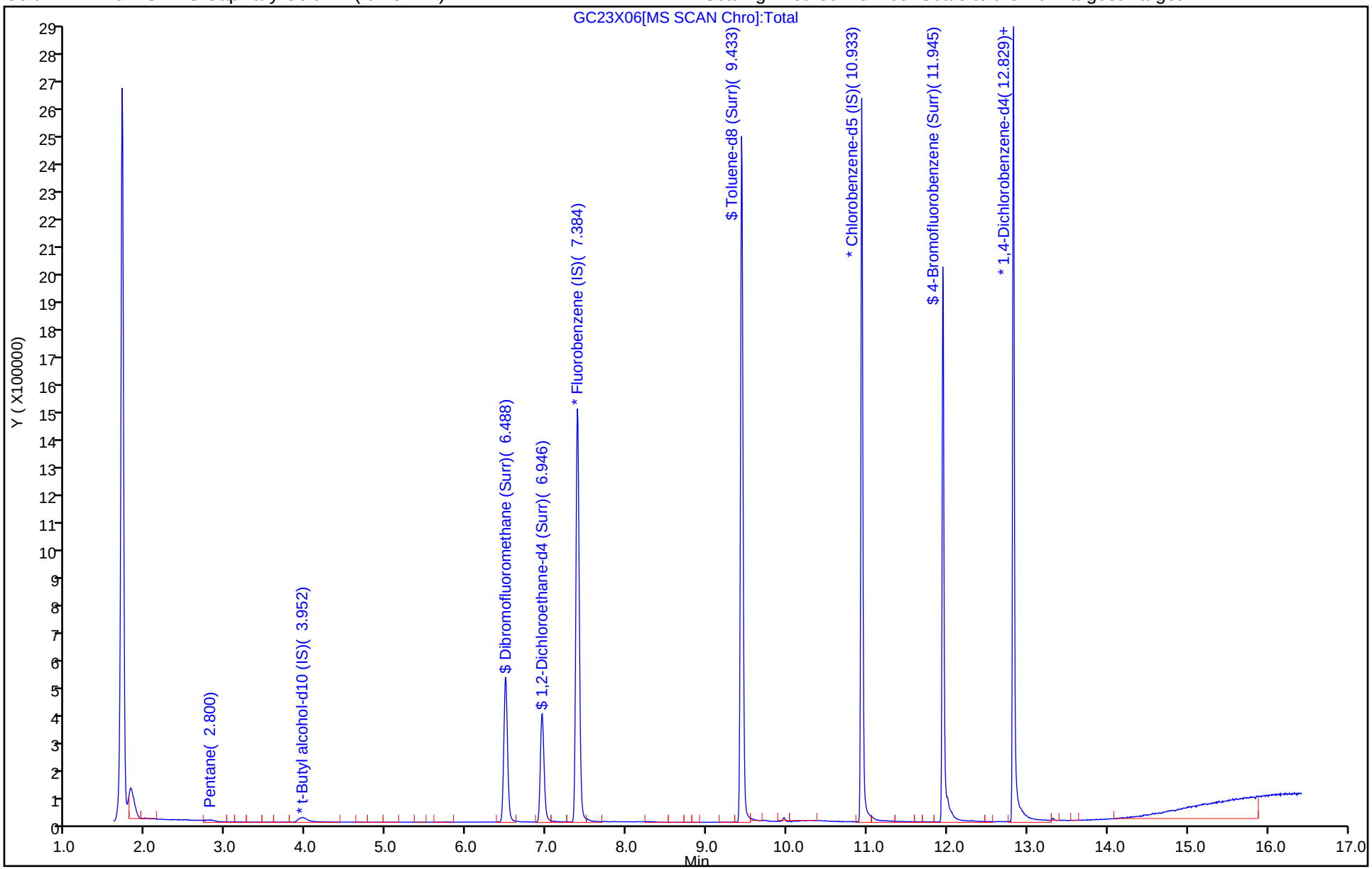
Report Date: 24-Oct-2024 08:43:24 Chrom Revision: 2.3 17-Oct-2024 11:42:22

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X06.D

Injection Date:	23-Oct-2024 11:27:30	Instrument ID:	16334	Operator ID:	ecr105096
Lims ID:	MB			Worklist Smp#:	7
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	MSV_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\20241023-128543.b\GC23X06.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 23-Oct-2024 11:27:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0128543-007
Misc. Info.: MB
Operator ID: ecr105096 Instrument ID: 16334

Method: \\chromfs\Lancaster\ChromData\16334\20241023-128543.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 24-Oct-2024 08:43:24 Calib Date: 26-Aug-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\16334\20240826-123245.b\GG26X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1694

First Level Reviewer: N7YK Date: 23-Oct-2024 12:32:41

Compound	Amount Added	Amount Recovered	% Rec.
$ 52 Dibromofluoromethane (Surr)	10.0	10.2	102.40
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	9.72	97.16
$ 83 Toluene-d8 (Surr)	10.0	10.6	105.58
$ 127 4-Bromofluorobenzene (Surr)	10.0	9.88	98.82

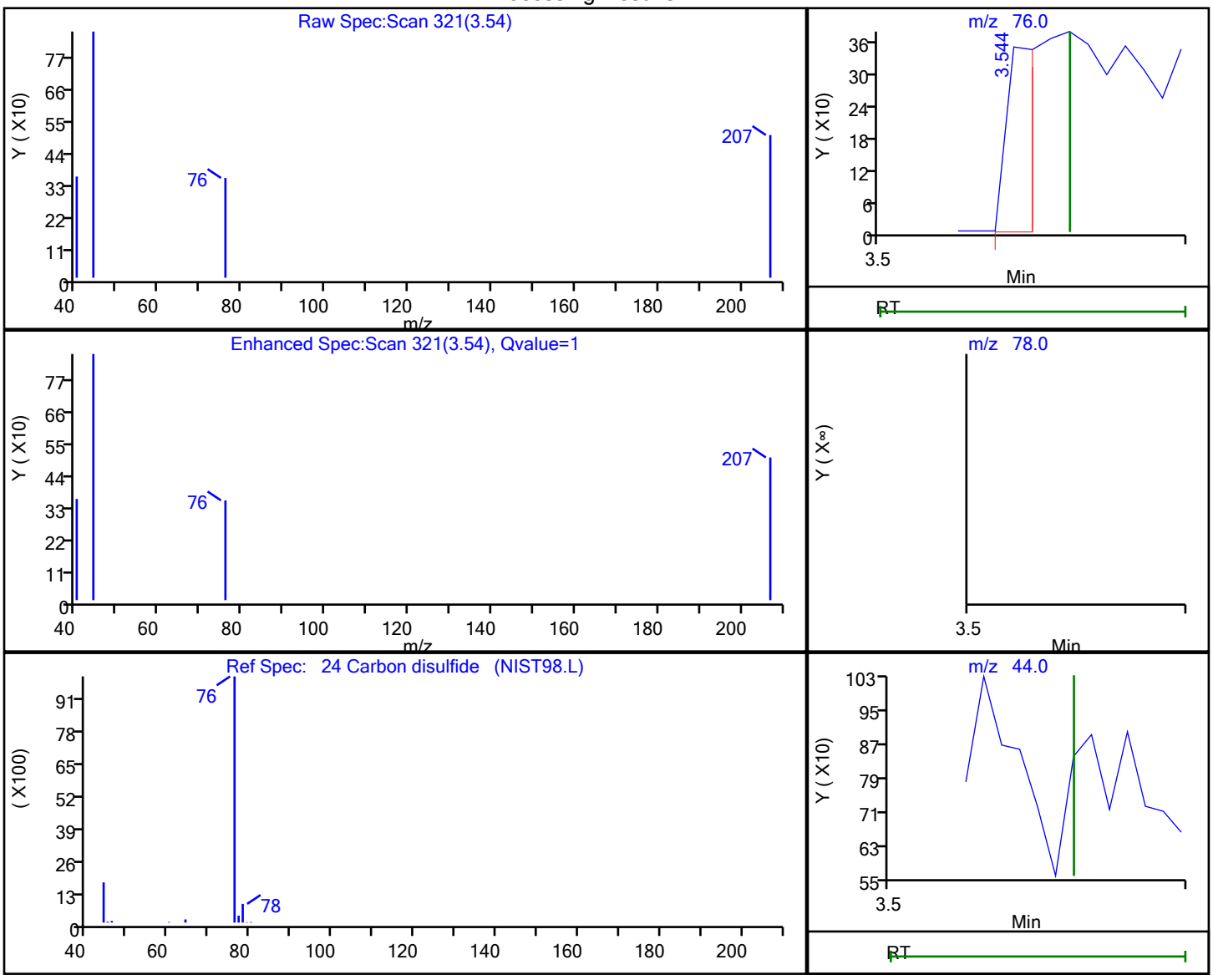
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X06.D				
Injection Date:	23-Oct-2024 11:27:30	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 (0.25 mm)	Detector	MS Quad		

24 Carbon disulfide, CAS: 75-15-0

Processing Results



RT	Mass	Response	Amount
3.54	76.00	251	0.002018
3.56	78.00	0	
3.56	44.00	0	

Reviewer: FQ4L, 24-Oct-2024 08:43:12 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.: 410-193020-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-569172/6

Matrix: Water
Lab File ID: CC29X35.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 25(mL)
Date Analyzed: 10/29/2024 22:38

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.: 569172
Units: ug/L

Preparation Batch No.:
Instrument ID: 10193

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.: 410-193020-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 410-569172/6

Matrix: Water Lab File ID: CC29X35.D

Analysis Method: 8260D Date Collected:

Sample wt/vol: 25(mL) Date Analyzed: 10/29/2024 22:38

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.: 569172 Units: ug/L

Preparation Batch No.: Instrument ID: 10193

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)	109		80-120
460-00-4	4-Bromofluorobenzene (Surr)	87		80-120
1868-53-7	Dibromofluoromethane (Surr)	109		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\10193\20241029-129145.b\CC29X35.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 29-Oct-2024 22:38:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0129145-006
Misc. Info.: MB
Operator ID: gaw91131 Instrument ID: 10193

Method: \\chromfs\Lancaster\ChromData\10193\20241029-129145.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 29-Oct-2024 23:00:33 Calib Date: 15-Jun-2024 00:45:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1647

First Level Reviewer: JS6E Date: 29-Oct-2024 23:00:08

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116		1.762					ND	
2 Dichlorodifluoromethane	85		1.781					ND	
3 Chlorodifluoromethane	51		1.811					ND	7
4 Dimethyl ether	45		1.860					ND	7
5 Chloromethane	50		1.957					ND	
6 Vinyl chloride	62		2.061					ND	
7 Butadiene	39		2.067					ND	7
8 2-Chloro-1,1,1-Trifluoroethane	118		2.146					ND	
9 Bromomethane	94		2.354					ND	7
10 Chloroethane	64		2.427					ND	7
11 Dichlorofluoromethane	67		2.640					ND	7
12 Trichlorofluoromethane	101		2.695					ND	
13 Pentane	43		2.707					ND	
14 Ethyl ether	59		2.890					ND	
16 1,2-Dichloro-1,1,2-trifluoroetha	67		2.988					ND	
17 Acrolein	56		3.049					ND	7
18 1,1-Dichloroethene	96		3.165					ND	7
20 Acetone	43		3.195					ND	7
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.213					ND	
22 Iodomethane	142		3.329					ND	
24 Isopropyl alcohol	45		3.354					ND	
23 Ethyl bromide	108		3.360					ND	
25 Carbon disulfide	76		3.421					ND	7
27 Acetonitrile	41		3.549					ND	
26 Methyl acetate	43		3.567					ND	7
29 3-Chloro-1-propene	41		3.573					ND	
30 Methylene Chloride	84		3.744					ND	
* 31 t-Butyl alcohol-d10 (IS)	65	3.744	3.756	-0.012	97	149271	50.0	50.0	
32 2-Methyl-2-propanol	59		3.872					ND	
33 Acrylonitrile	53		4.049					ND	
34 Methyl tert-butyl ether	73		4.103					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
35 trans-1,2-Dichloroethene	96		4.103					ND	
36 Hexane	57		4.518					ND	
38 Vinyl acetate	43		4.756					ND	
37 1,1-Dichloroethane	63		4.756					ND	
39 Isopropyl ether	45		4.817					ND	
40 2-Chloro-1,3-butadiene	53		4.872					ND	
41 Tert-butyl ethyl ether	59		5.365					ND	7
42 2-Butanone (MEK)	43		5.573					ND	7
43 cis-1,2-Dichloroethene	96		5.609					ND	
44 2,2-Dichloropropane	77		5.621					ND	7
46 Ethyl acetate	43		5.664					ND	7
45 Propionitrile	54		5.688					ND	
47 Methacrylonitrile	67		5.902					ND	
48 Chlorobromomethane	128		5.938					ND	
49 Tetrahydrofuran	71		5.957					ND	
51 Methyl acrylate	55		6.013					ND	
50 Chloroform	83		6.103					ND	
S 52 1,2-Dichloroethene, Total	100		6.155					ND	7
$ 54 Dibromofluoromethane (Surr)	113	6.322	6.322	0.000	94	543555	10.0	10.9	
53 1,1,1-Trichloroethane	97		6.329					ND	
55 Cyclohexane	56		6.420					ND	
56 Carbon tetrachloride	117		6.542					ND	
57 1,1-Dichloropropene	75		6.548					ND	7
58 Isobutyl alcohol	41		6.743					ND	
62 1-Chlorobutane	56		6.781					ND	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.780	6.792	-0.012	96	111379	10.0	10.9	
60 Benzene	78		6.816					ND	
61 1,2-Dichloroethane	62		6.889					ND	7
63 Isopropyl acetate	43		6.932					ND	
64 Tert-amyl methyl ether	73		7.017					ND	
* 65 Fluorobenzene (IS)	96	7.225	7.231	-0.006	100	2068541	10.0	10.0	
66 n-Heptane	43		7.255					ND	7
67 n-Butanol	56		7.651					ND	
68 Trichloroethene	95		7.719					ND	
69 Methylcyclohexane	83		8.029					ND	7
70 1,2-Dichloropropane	63		8.060					ND	7
71 2-ethoxy-2-methyl butane	87		8.084					ND	
74 1,4-Dioxane	88		8.157					ND	
73 Methyl methacrylate	69		8.164					ND	
72 Dibromomethane	93		8.170					ND	
75 n-Propyl acetate	61		8.267					ND	U
76 Dichlorobromomethane	83		8.420					ND	
77 2-Nitropropane	41		8.706					ND	
78 1-Bromo-2-chloroethane	63		8.810					ND	
79 2-Chloroethyl vinyl ether	63		8.816					ND	
80 cis-1,3-Dichloropropene	75		8.993					ND	
81 Chloroacetonitrile	75		9.067					ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.200					ND	7
$ 83 Toluene-d8 (Surr)	98	9.322	9.322	0.000	93	2123770	10.0	9.50	
84 Toluene	92		9.407					ND	7
85 trans-1,3-Dichloropropene	75		9.694					ND	7
86 Ethyl methacrylate	69		9.779					ND	7

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
87 1,1,2-Trichloroethane	97		9.913					ND	
88 Tetrachloroethene	166		9.992					ND	
S 107 1,3-Dichloropropene, Total	100		10.060					ND	7
89 1,3-Dichloropropane	76		10.084					ND	
106 2-Hexanone	43		10.157					ND	7
109 n-Butyl acetate	43	10.279	10.297	-0.018	13	541		0.006507	
108 Chlorodibromomethane	129		10.303					ND	
110 Ethylene Dibromide	107		10.419					ND	
* 111 Chlorobenzene-d5 (IS)	117	10.876	10.876	0.000	82	1743955	10.0	10.0	
112 1-Chlorohexane	91		10.895					ND	7
113 Chlorobenzene	112		10.901					ND	7
114 1,1,1,2-Tetrachloroethane	131		10.992					ND	
115 Ethylbenzene	91		10.998					ND	
116 m-Xylene & p-Xylene	106		11.120					ND	7
S 117 Xylenes, Total	106		11.245					ND	7
118 o-Xylene	106		11.462					ND	
119 Styrene	104		11.480					ND	7
120 Bromoform	173		11.632					ND	
121 Isopropylbenzene	105		11.773					ND	
122 cis-1,4-Dichloro-2-butene	88		11.833					ND	
123 Cyclohexanone	55		11.876					ND	
$ 124 4-Bromofluorobenzene (Surr)	95	11.919	11.919	0.000	97	726918	10.0	8.65	
126 1,1,2,2-Tetrachloroethane	83		12.035					ND	
125 Bromobenzene	156		12.035					ND	7
127 trans-1,4-Dichloro-2-butene	53		12.059					ND	
128 1,2,3-Trichloropropane	110		12.077					ND	
129 N-Propylbenzene	91		12.114					ND	7
130 2-Chlorotoluene	126		12.187					ND	
131 1,3,5-Trimethylbenzene	105		12.254					ND	7
132 4-Chlorotoluene	126		12.285					ND	7
133 tert-Butylbenzene	134		12.498					ND	7
134 Pentachloroethane	167		12.529					ND	
135 1,2,4-Trimethylbenzene	105		12.547					ND	7
136 sec-Butylbenzene	105		12.669					ND	7
137 1,3-Dichlorobenzene	146		12.766					ND	7
138 4-Isopropyltoluene	119		12.779					ND	7
* 139 1,4-Dichlorobenzene-d4	152	12.821	12.821	0.000	92	974157	10.0	10.0	
140 1,4-Dichlorobenzene	146		12.839					ND	7
141 1,2,3-Trimethylbenzene	120		12.852					ND	7
142 Benzyl chloride	126		12.919					ND	7
145 p-Diethylbenzene	119	13.059	13.059	0.000	1	746		0.003752	
143 n-Butylbenzene	92		13.077					ND	7
144 1,2-Dichlorobenzene	146		13.108					ND	7
147 Hexachloroethane	117		13.444					ND	
148 1,2-Dibromo-3-Chloropropane	155		13.663					ND	7
149 1,3,5-Trichlorobenzene	180		13.784					ND	7
150 1,2,4-Trichlorobenzene	180		14.217					ND	7
151 Hexachlorobutadiene	225		14.303					ND	7
152 Naphthalene	128		14.400					ND	7
153 1,2,3-Trichlorobenzene	180		14.546					ND	7
154 2-Methylnaphthalene	142	15.156	15.156	0.000	1	509		0.006822	
155 Dodecane	57		0.000					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
156 1,1-Dichloro-1-fluoroethane	1		0.000					ND	
157 tert-Butyl Formate	1		0.000					ND	
158 2-Bromo-1-chloropropane	1		0.000					ND	
159 1-Chloropropane	1		0.000					ND	
160 1,1-Dichloroacetone	1		0.000					ND	
161 Methylal	1		0.000					ND	
162 Propene oxide	1		0.000					ND	
163 t-Amyl alcohol	1		0.000					ND	
164 Ethanol	45		0.000					ND	
165 n-Decane	57		0.000					ND	
166 1-Bromo-3-Chloropropane	1		0.000					ND	
244 1,1-Dichloro-1-fluoroethane TIC	1		0.000					ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSV_HP25_ISSS_00101 Amount Added: 1.00 Units: uL Run Reagent

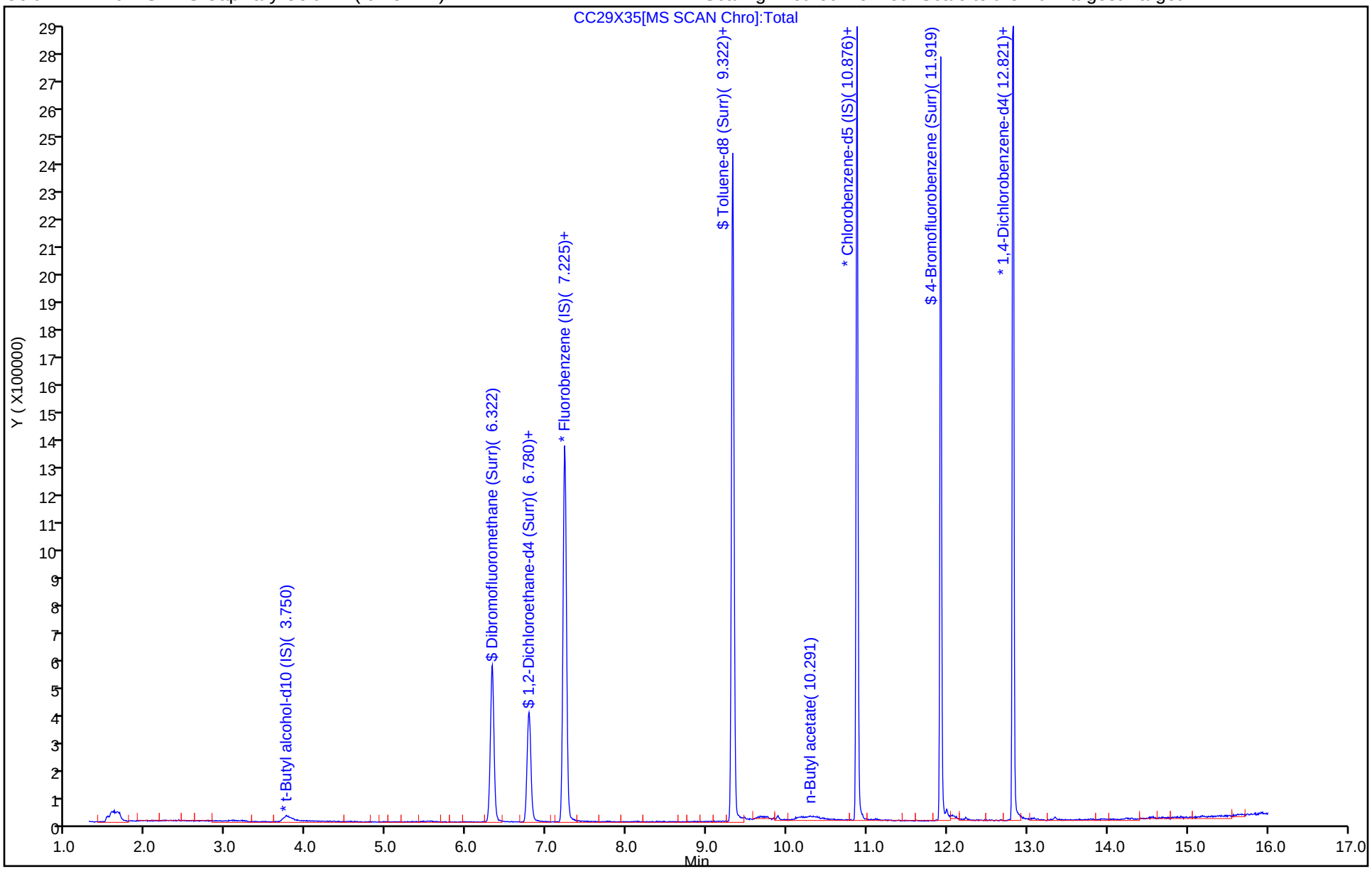
Report Date: 29-Oct-2024 23:00:51 Chrom Revision: 2.3 17-Oct-2024 11:42:22

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20241029-129145.b\CC29X35.D

Injection Date:	29-Oct-2024 22:38:30	Instrument ID:	10193	Operator ID:	gaw91131
Lims ID:	MB			Worklist Smp#:	6
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\10193\20241029-129145.b\CC29X35.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 29-Oct-2024 22:38:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0129145-006
Misc. Info.: MB
Operator ID: gaw91131 Instrument ID: 10193

Method: \\chromfs\Lancaster\ChromData\10193\20241029-129145.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 29-Oct-2024 23:00:33 Calib Date: 15-Jun-2024 00:45:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1647

First Level Reviewer: JS6E Date: 29-Oct-2024 23:00:08

Compound	Amount Added	Amount Recovered	% Rec.
$ 54 Dibromofluoromethane (Surr)	10.0	10.9	108.51
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.9	108.68
$ 83 Toluene-d8 (Surr)	10.0	9.50	95.04
$ 124 4-Bromofluorobenzene (Surr)	10.0	8.65	86.54

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-193020-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-569353/10

Matrix: Water
Lab File ID: HC30X09.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 25(mL)
Date Analyzed: 10/30/2024 11:23

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 569353
Units: ug/L

Preparation Batch No.:
Instrument ID: 19094

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.070
71-55-6	1,1,1-Trichloroethane	ND		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.10
79-00-5	1,1,2-Trichloroethane	ND		0.50	0.080
75-34-3	1,1-Dichloroethane	ND		0.50	0.10
75-35-4	1,1-Dichloroethene	ND		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	ND		0.50	0.080
107-06-2	1,2-Dichloroethane	ND		0.50	0.070
78-87-5	1,2-Dichloropropane	ND		0.50	0.10
78-93-3	2-Butanone (MEK)	ND		5.0	1.0
591-78-6	2-Hexanone	ND		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0
67-64-1	Acetone	ND		5.0	1.5
71-43-2	Benzene	ND		0.50	0.10
74-97-5	Bromochloromethane	ND		0.50	0.080
75-27-4	Bromodichloromethane	ND		0.50	0.080
75-25-2	Bromoform	ND		1.0	0.30
74-83-9	Bromomethane	ND		0.50	0.10
75-15-0	Carbon disulfide	ND		1.0	0.10
56-23-5	Carbon tetrachloride	ND		0.50	0.10
108-90-7	Chlorobenzene	ND		0.50	0.070
75-00-3	Chloroethane	ND		0.50	0.10
67-66-3	Chloroform	ND		0.50	0.090
74-87-3	Chloromethane	ND		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	ND		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10
124-48-1	Dibromochloromethane	ND		0.50	0.080
100-41-4	Ethylbenzene	ND		0.50	0.080
1634-04-4	Methyl tert-butyl ether	ND		0.50	0.080
75-09-2	Methylene Chloride	ND		0.50	0.20
100-42-5	Styrene	ND		0.50	0.070
127-18-4	Tetrachloroethene	ND		0.50	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 410-569353/10

Matrix: Water Lab File ID: HC30X09.D

Analysis Method: 8260D Date Collected:

Sample wt/vol: 25(mL) Date Analyzed: 10/30/2024 11:23

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL) Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 569353 Units: ug/L

Preparation Batch No.: Instrument ID: 19094

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		0.50	0.080
156-60-5	trans-1,2-Dichloroethene	ND		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.080
79-01-6	Trichloroethene	ND		0.50	0.080
75-01-4	Vinyl chloride	ND		0.50	0.10
1330-20-7	Xylenes, Total	ND		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		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)	97		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20241030-129201.b\HC30X09.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 30-Oct-2024 11:23:30 ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0129201-010
Misc. Info.: MB
Operator ID: ecr105096 Instrument ID: 19094

Method: \\chromfs\Lancaster\ChromData\19094\20241030-129201.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 30-Oct-2024 11:53:15 Calib Date: 15-Oct-2024 00:00:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1681

First Level Reviewer: N7YK Date: 30-Oct-2024 11:48:52

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116		1.812					ND	
2 Dichlorodifluoromethane	85		1.855					ND	
3 Chlorodifluoromethane	51		1.861					ND	
4 Dimethyl ether	45		1.922					ND	
5 Chloromethane	50		2.038					ND	
7 Butadiene	39		2.142					ND	7
6 Vinyl chloride	62		2.148					ND	
8 2-Chloro-1,1,1-Trifluoroethane	118		2.202					ND	
9 Bromomethane	94		2.453					ND	
10 Chloroethane	64		2.520					ND	
11 Dichlorofluoromethane	67		2.739					ND	
12 Trichlorofluoromethane	101		2.812					ND	
14 Ethyl ether	59		3.020					ND	
15 1,2-Dichloro-1,1,2-trifluoroetha	67		3.099					ND	
13 Ethanol	45		3.111					ND	
16 Acrolein	56		3.178					ND	
17 1,1-Dichloroethene	96		3.306					ND	
19 Acetone	43		3.330					ND	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.343					ND	
21 Iodomethane	142		3.489					ND	
22 Ethyl bromide	108		3.513					ND	
23 Carbon disulfide	76		3.593					ND	
24 Methyl acetate	43		3.721					ND	
25 Acetonitrile	41		3.727					ND	
26 3-Chloro-1-propene	41		3.739					ND	
27 Methylene Chloride	84		3.910					ND	
* 28 t-Butyl alcohol-d10 (IS)	65	3.916	3.928	-0.012	97	99011	50.0	50.0	
29 2-Methyl-2-propanol	59		4.038					ND	
31 Acrylonitrile	53		4.227					ND	
32 Methyl tert-butyl ether	73		4.294					ND	
33 trans-1,2-Dichloroethene	96		4.300					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
34 Hexane	57		4.727					ND	
35 Vinyl acetate	43		4.940					ND	
36 1,1-Dichloroethane	63		4.958					ND	
37 Isopropyl ether	45		5.019					ND	
38 2-Chloro-1,3-butadiene	53		5.074					ND	
40 Tert-butyl ethyl ether	59		5.562					ND	
41 2-Butanone (MEK)	43		5.769					ND	
42 cis-1,2-Dichloroethene	96		5.799					ND	
43 2,2-Dichloropropane	77		5.812					ND	
45 Ethyl acetate	43		5.842					ND	
44 Propionitrile	54		5.860					ND	
47 Methacrylonitrile	67		6.068					ND	
48 Chlorobromomethane	128		6.141					ND	
49 Tetrahydrofuran	71		6.153					ND	
S 46 1,2-Dichloroethene, Total	100		6.155					ND	7
50 Chloroform	83		6.287					ND	
51 Methyl acrylate	55		6.482					ND	
$ 52 Dibromofluoromethane (Surr)	113	6.507	6.507	0.000	94	440750	10.0	10.3	
53 1,1,1-Trichloroethane	97		6.519					ND	
54 Cyclohexane	56		6.629					ND	
56 Carbon tetrachloride	117		6.738					ND	
55 1,1-Dichloropropene	75		6.738					ND	
57 Isobutyl alcohol	41		6.903					ND	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.964	6.964	0.000	47	87187	10.0	10.0	
59 Benzene	78		7.000					ND	
60 1,2-Dichloroethane	62		7.080					ND	
61 Isopropyl acetate	43		7.092					ND	
63 Tert-amyl methyl ether	73		7.208					ND	
62 1-Chlorobutane	56	7.409	7.250	0.159	33	10721		NC	
* 64 Fluorobenzene (IS)	96	7.415	7.415	0.000	99	1830807	10.0	10.0	
65 n-Heptane	43		7.439					ND	7
67 n-Butanol	56		7.799					ND	
66 t-Amyl alcohol	73		7.842					ND	
68 Trichloroethene	95		7.903					ND	
69 Methylcyclohexane	83		8.220					ND	
70 1,2-Dichloropropane	63		8.238					ND	
71 2-ethoxy-2-methyl butane	87		8.256					ND	
72 Methyl methacrylate	69		8.336					ND	
73 1,4-Dioxane	88		8.342					ND	
74 Dibromomethane	93		8.348					ND	
75 n-Propyl acetate	61		8.421					ND	
76 Dichlorobromomethane	83		8.592					ND	
77 2-Nitropropane	41		8.860					ND	
78 2-Chloroethyl vinyl ether	63		8.963					ND	
79 1-Bromo-2-chloroethane	63		8.994					ND	
80 cis-1,3-Dichloropropene	75		9.159					ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.341					ND	
81 Chloroacetonitrile	75		9.427					ND	
$ 83 Toluene-d8 (Surr)	98	9.482	9.488	-0.006	93	1839090	10.0	9.71	
84 Toluene	92		9.561					ND	
85 trans-1,3-Dichloropropene	75		9.835					ND	
104 Ethyl methacrylate	69		9.908					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
106 1,1,2-Trichloroethane	97		10.049					ND	
S 105 1,3-Dichloropropene, Total	100		10.060					ND	7
107 Tetrachloroethene	166		10.140					ND	
108 1,3-Dichloropropane	76		10.213					ND	
109 2-Hexanone	43		10.274					ND	
110 n-Butyl acetate	43		10.402					ND	
111 Chlorodibromomethane	129		10.439					ND	
112 Ethylene Dibromide	107		10.549					ND	
* 113 Chlorobenzene-d5 (IS)	117	10.994	10.994	0.000	86	1381610	10.0	10.0	
114 1-Chlorohexane	91		11.012					ND	7
115 Chlorobenzene	112		11.024					ND	
116 1,1,1,2-Tetrachloroethane	131		11.109					ND	
117 Ethylbenzene	91		11.109					ND	
119 m-Xylene & p-Xylene	106		11.231					ND	
S 118 Xylenes, Total	106		11.245					ND	7
120 o-Xylene	106		11.567					ND	
121 Styrene	104		11.579					ND	
122 Bromoform	173		11.737					ND	
123 Isopropylbenzene	105		11.871					ND	
124 cis-1,4-Dichloro-2-butene	88		11.914					ND	U
125 Cyclohexanone	55		11.944					ND	
$ 126 4-Bromofluorobenzene (Surr)	95	12.018	12.018	0.000	92	672928	10.0	9.91	
127 1,1,2,2-Tetrachloroethane	83		12.115					ND	
128 Bromobenzene	156		12.127					ND	
129 trans-1,4-Dichloro-2-butene	53		12.146					ND	
130 1,2,3-Trichloropropane	110		12.164					ND	
131 N-Propylbenzene	91		12.201					ND	
132 2-Chlorotoluene	126		12.280					ND	
133 1,3,5-Trimethylbenzene	105		12.341					ND	
134 4-Chlorotoluene	126		12.371					ND	
135 tert-Butylbenzene	134		12.585					ND	
136 Pentachloroethane	167		12.615					ND	
137 1,2,4-Trimethylbenzene	105		12.627					ND	
138 sec-Butylbenzene	105		12.749					ND	
139 1,3-Dichlorobenzene	146		12.847					ND	
140 4-Isopropyltoluene	119		12.859					ND	7
* 141 1,4-Dichlorobenzene-d4	152	12.908	12.902	0.006	95	782538	10.0	10.0	
142 1,4-Dichlorobenzene	146		12.926					ND	
143 1,2,3-Trimethylbenzene	120		12.932					ND	7
144 Benzyl chloride	126		12.999					ND	
145 p-Diethylbenzene	119		13.133					ND	
146 n-Butylbenzene	92		13.152					ND	
147 1,2-Dichlorobenzene	146		13.182					ND	
148 Hexachloroethane	201		13.682					ND	
149 1,2-Dibromo-3-Chloropropane	155		13.731					ND	
150 1,3,5-Trichlorobenzene	180		13.853					ND	
151 1,2,4-Trichlorobenzene	180		14.280					ND	
152 Hexachlorobutadiene	225		14.365					ND	
153 Naphthalene	128		14.456					ND	7
154 1,2,3-Trichlorobenzene	180		14.603					ND	
155 tert-Butyl Formate	1		0.000					ND	
156 Dodecane	57		0.000					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
157 Pentane	43		0.000					ND	
158 1,1-Dichloroacetone	1		0.000					ND	
159 n-Decane	57		0.000					ND	
160 1-Bromo-3-Chloropropane	1		0.000					ND	
161 1-Chloropropane	1		0.000					ND	
162 Propene oxide	1		0.000					ND	
163 1,1-Dichloro-1-fluoroethane	1		0.000					ND	
164 Methylal	1		0.000					ND	
165 2-Bromo-1-chloropropane	1		0.000					ND	
209 1,1-Dichloro-1-fluoroethane TIC	1		0.000					ND	

QC Flag Legend

Processing Flags
- NC - Not Calibrated
- 7 - Failed Limit of Detection

Review Flags
- U - Marked Undetected

Reagents:

MSV_LLcentISS_00013 Amount Added: 5.00 Units: uL Run Reagent

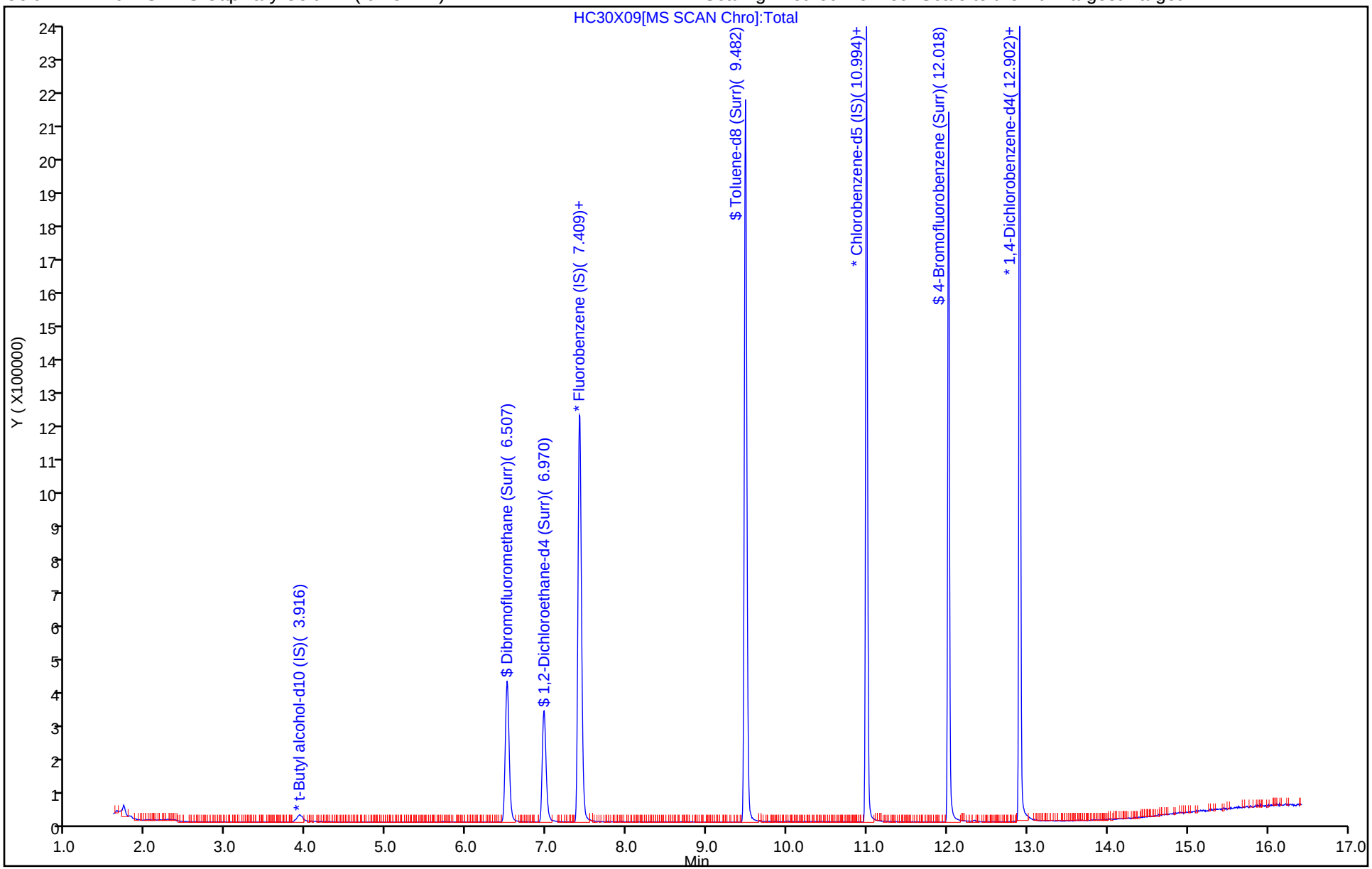
Report Date: 30-Oct-2024 11:54:07 Chrom Revision: 2.3 17-Oct-2024 11:42:22

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20241030-129201.b\HC30X09.D

Injection Date:	30-Oct-2024 11:23:30	Instrument ID:	19094	Operator ID:	ecr105096
Lims ID:	MB			Worklist Smp#:	10
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\19094\20241030-129201.b\HC30X09.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 30-Oct-2024 11:23:30 ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0129201-010
Misc. Info.: MB
Operator ID: ecr105096 Instrument ID: 19094

Method: \\chromfs\Lancaster\ChromData\19094\20241030-129201.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 30-Oct-2024 11:53:15 Calib Date: 15-Oct-2024 00:00:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1681

First Level Reviewer: N7YK Date: 30-Oct-2024 11:48:52

Compound	Amount Added	Amount Recovered	% Rec.
$ 52 Dibromofluoromethane (Surr)	10.0	10.3	103.19
$ 58 1,2-Dichloroethane-d4 (Surr)	10.0	10.0	100.37
$ 83 Toluene-d8 (Surr)	10.0	9.71	97.11
$ 126 4-Bromofluorobenzene (Surr)	10.0	9.91	99.09

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-193020-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-566703/4

Matrix: Water
Lab File ID: GC23X03.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 25(mL)
Date Analyzed: 10/23/2024 10:21

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.: 566703
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	5.38		0.50	0.070
71-55-6	1,1,1-Trichloroethane	5.82		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	5.81		0.50	0.10
79-00-5	1,1,2-Trichloroethane	5.45		0.50	0.080
75-34-3	1,1-Dichloroethane	5.90		0.50	0.10
75-35-4	1,1-Dichloroethene	5.31		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	5.43		0.50	0.080
107-06-2	1,2-Dichloroethane	5.93		0.50	0.070
78-87-5	1,2-Dichloropropane	5.69		0.50	0.10
78-93-3	2-Butanone (MEK)	62.4		5.0	1.0
591-78-6	2-Hexanone	65.4		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	62.9		5.0	1.0
67-64-1	Acetone	56.5		5.0	1.5
71-43-2	Benzene	5.38		0.50	0.10
74-97-5	Bromochloromethane	5.29		0.50	0.080
75-27-4	Bromodichloromethane	5.79		0.50	0.080
75-25-2	Bromoform	5.36		1.0	0.30
74-83-9	Bromomethane	5.79		0.50	0.10
75-15-0	Carbon disulfide	5.12		1.0	0.10
56-23-5	Carbon tetrachloride	5.65		0.50	0.10
108-90-7	Chlorobenzene	5.35		0.50	0.070
75-00-3	Chloroethane	6.02		0.50	0.10
67-66-3	Chloroform	5.67		0.50	0.090
74-87-3	Chloromethane	5.96		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	5.37		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	5.15		0.50	0.10
124-48-1	Dibromochloromethane	5.53		0.50	0.080
100-41-4	Ethylbenzene	5.55		0.50	0.080
1634-04-4	Methyl tert-butyl ether	5.05		0.50	0.080
75-09-2	Methylene Chloride	5.25		0.50	0.20
100-42-5	Styrene	5.44		0.50	0.070
127-18-4	Tetrachloroethene	5.05		0.50	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-193020-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-566703/4

Matrix: Water
Lab File ID: GC23X03.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 25(mL)
Date Analyzed: 10/23/2024 10:21

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.: 566703
Units: ug/L

Preparation Batch No.:
Instrument ID: 16334

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	5.30		0.50	0.080
156-60-5	trans-1,2-Dichloroethene	5.30		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	5.62		0.50	0.080
79-01-6	Trichloroethene	5.39		0.50	0.080
75-01-4	Vinyl chloride	5.89		0.50	0.10
1330-20-7	Xylenes, Total	16.3		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		80-120
460-00-4	4-Bromofluorobenzene (Surr)	102		80-120
1868-53-7	Dibromofluoromethane (Surr)	102		80-120
2037-26-5	Toluene-d8 (Surr)	104		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X03.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 23-Oct-2024 10:21:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0128543-004
Misc. Info.: LCS
Operator ID: ecr105096 Instrument ID: 16334

Method: \\chromfs\Lancaster\ChromData\16334\20241023-128543.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 23-Oct-2024 12:33:00 Calib Date: 26-Aug-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\16334\20240826-123245.b\GG26X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1690

First Level Reviewer: N7YK Date: 23-Oct-2024 10:43:46

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.843	1.843	0.000	99	312196	5.00	6.28	
5 Chloromethane	50	2.026	2.032	-0.006	99	318579	5.00	5.96	
7 Butadiene	39	2.123	2.123	0.000	90	396926	5.00	7.70	
6 Vinyl chloride	62	2.136	2.136	0.000	98	293813	5.00	5.89	
9 Bromomethane	94	2.459	2.453	0.006	92	224881	5.00	5.79	M
10 Chloroethane	64	2.495	2.495	0.000	100	181102	5.00	6.02	
11 Dichlorofluoromethane	67	2.715	2.715	0.000	97	398128	5.00	4.69	
12 Trichlorofluoromethane	101	2.806	2.812	-0.006	54	307651	5.00	4.41	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.087	3.087	0.000	92	270533	5.00	5.96	
18 1,1-Dichloroethene	96	3.294	3.288	0.006	98	190092	5.00	5.31	
19 Acetone	43	3.324	3.324	0.000	89	269433	62.5	56.5	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.324	3.324	0.000	93	193348	5.00	5.18	
22 Iodomethane	142	3.465	3.465	0.000	100	333219	5.00	4.61	
21 Isopropyl alcohol	45	3.538	3.489	0.049	25	21097	37.5	42.8	
24 Carbon disulfide	76	3.562	3.562	0.000	99	621573	5.00	5.12	
25 Methyl acetate	43	3.715	3.715	0.000	25	61804	5.00	5.10	M
27 3-Chloro-1-propene	41	3.727	3.727	0.000	89	288486	5.00	5.06	
29 Methylene Chloride	84	3.897	3.897	0.000	95	206722	5.00	5.25	
* 30 t-Butyl alcohol-d10 (IS)	65	3.952	3.934	0.018	99	99281	50.0	50.0	
31 2-Methyl-2-propanol	59	4.074	4.068	0.006	100	68872	50.0	54.1	
32 Acrylonitrile	53	4.233	4.233	0.000	98	144004	25.0	23.9	
33 Methyl tert-butyl ether	73	4.275	4.275	0.000	83	395576	5.00	5.05	
34 trans-1,2-Dichloroethene	96	4.281	4.275	0.006	98	219268	5.00	5.30	
35 Hexane	57	4.714	4.708	0.006	94	264539	5.00	5.18	
37 1,1-Dichloroethane	63	4.940	4.934	0.006	96	417743	5.00	5.90	
38 Isopropyl ether	45	5.007	5.013	-0.006	97	611481	5.00	5.42	
39 2-Chloro-1,3-butadiene	53	5.050	5.050	0.000	92	296347	5.00	5.31	
40 Tert-butyl ethyl ether	59	5.550	5.543	0.007	97	546405	5.00	5.26	
41 2-Butanone (MEK)	43	5.769	5.769	0.000	100	450685	62.5	62.4	
42 cis-1,2-Dichloroethene	96	5.787	5.781	0.006	83	248070	5.00	5.37	
43 2,2-Dichloropropane	77	5.799	5.793	0.006	86	352474	5.00	5.63	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
45 Propionitrile	54	5.854	5.860	-0.006	97	58246	37.5	30.0	
48 Methacrylonitrile	67	6.068	6.068	0.000	91	294448	37.5	34.7	
49 Chlorobromomethane	128	6.110	6.110	0.000	92	97139	5.00	5.29	
50 Tetrahydrofuran	71	6.153	6.147	0.006	78	50343	25.0	24.0	
51 Chloroform	83	6.269	6.269	0.000	94	416343	5.00	5.67	
$ 52 Dibromofluoromethane (Surr)	113	6.488	6.482	0.006	93	507510	10.0	10.2	
53 1,1,1-Trichloroethane	97	6.494	6.501	-0.007	98	378825	5.00	5.82	
54 Cyclohexane	56	6.598	6.592	0.006	92	329818	5.00	5.36	
55 Carbon tetrachloride	117	6.708	6.708	0.000	96	332410	5.00	5.65	
56 1,1-Dichloropropene	75	6.714	6.714	0.000	96	306321	5.00	5.54	
58 Isobutyl alcohol	41	6.927	6.921	0.006	37	47892	125.0	139.2	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.946	6.940	0.006	89	89672	10.0	9.72	
60 Benzene	78	6.970	6.976	-0.006	97	897800	5.00	5.38	
61 1,2-Dichloroethane	62	7.049	7.043	0.006	98	230875	5.00	5.93	
63 Tert-amyl methyl ether	73	7.177	7.177	0.000	98	446147	5.00	5.14	
* 64 Fluorobenzene (IS)	96	7.385	7.385	0.000	98	2071481	10.0	10.0	
65 n-Heptane	43	7.409	7.409	0.000	92	289976	5.00	5.58	
67 n-Butanol	56	7.823	7.811	0.012	93	70141	250.0	218.6	
68 Trichloroethene	95	7.872	7.866	0.006	98	245649	5.00	5.39	
69 Methylcyclohexane	83	8.171	8.171	0.000	92	363433	5.00	5.23	
70 1,2-Dichloropropane	63	8.195	8.195	0.000	95	224142	5.00	5.69	
71 2-ethoxy-2-methyl butane	87	8.220	8.220	0.000	94	327272	5.00	5.22	
72 Methyl methacrylate	69	8.305	8.305	0.000	87	59193	5.00	3.93	
74 Dibromomethane	93	8.311	8.305	0.006	96	95788	5.00	5.55	
73 1,4-Dioxane	88	8.311	8.311	0.000	29	16428	125.0	163.6	M
76 Dichlorobromomethane	83	8.549	8.549	0.000	99	275063	5.00	5.79	
77 2-Nitropropane	41	8.829	8.817	0.012	98	23010	5.00	4.71	
79 1-Bromo-2-chloroethane	63	8.939	8.939	0.000	99	201462	5.00	5.89	
81 cis-1,3-Dichloropropene	75	9.110	9.110	0.000	95	296448	5.00	5.15	
82 4-Methyl-2-pentanone (MIBK)	43	9.305	9.305	0.000	97	1159583	62.5	62.9	
$ 83 Toluene-d8 (Surr)	98	9.433	9.433	0.000	94	2095774	10.0	10.4	
84 Toluene	92	9.512	9.512	0.000	98	577058	5.00	5.30	
85 trans-1,3-Dichloropropene	75	9.793	9.787	0.006	94	241290	5.00	5.62	
86 Ethyl methacrylate	69	9.866	9.866	0.000	88	144888	5.00	5.45	
107 1,1,2-Trichloroethane	97	9.994	9.994	0.000	92	135116	5.00	5.45	
108 Tetrachloroethene	166	10.085	10.085	0.000	97	265426	5.00	5.05	
109 1,3-Dichloropropane	76	10.164	10.158	0.006	90	232880	5.00	5.73	
110 2-Hexanone	43	10.232	10.232	0.000	97	732845	62.5	65.4	
112 Chlorodibromomethane	129	10.378	10.378	0.000	90	172647	5.00	5.53	
113 Ethylene Dibromide	107	10.494	10.488	0.006	99	121400	5.00	5.43	
* 114 Chlorobenzene-d5 (IS)	117	10.933	10.933	0.000	86	1540563	10.0	10.0	
115 1-Chlorohexane	91	10.951	10.945	0.006	97	305012	5.00	5.13	
116 Chlorobenzene	112	10.957	10.957	0.000	95	667474	5.00	5.35	
117 1,1,1,2-Tetrachloroethane	131	11.042	11.042	0.000	96	232449	5.00	5.38	
118 Ethylbenzene	91	11.048	11.049	0.000	99	1164867	5.00	5.55	
120 m-Xylene & p-Xylene	106	11.170	11.164	0.006	100	903317	10.0	10.9	
121 o-Xylene	106	11.500	11.500	0.000	97	439345	5.00	5.39	
122 Styrene	104	11.518	11.518	0.000	94	662527	5.00	5.44	
123 Bromoform	173	11.670	11.670	0.000	95	89223	5.00	5.36	
124 Isopropylbenzene	105	11.804	11.798	0.006	96	1162830	5.00	5.76	
$ 127 4-Bromofluorobenzene (Surr)	95	11.945	11.945	0.000	90	719993	10.0	10.2	
128 1,1,2,2-Tetrachloroethane	83	12.048	12.048	0.000	96	153499	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
129 Bromobenzene	156	12.060	12.061	0.000	94	261687	5.00	5.28	
130 trans-1,4-Dichloro-2-butene	53	12.079	12.073	0.006	82	66208	25.0	8.59	
131 1,2,3-Trichloropropane	110	12.097	12.091	0.006	83	40493	5.00	5.72	
132 N-Propylbenzene	91	12.134	12.134	0.000	99	1403614	5.00	5.93	
133 2-Chlorotoluene	126	12.207	12.207	0.000	96	283848	5.00	5.49	
134 1,3,5-Trimethylbenzene	105	12.268	12.268	0.000	93	1003381	5.00	5.66	
135 4-Chlorotoluene	126	12.298	12.298	0.000	98	294928	5.00	5.51	
136 tert-Butylbenzene	134	12.512	12.512	0.000	93	207255	5.00	4.99	
138 1,2,4-Trimethylbenzene	105	12.554	12.554	0.000	98	1016453	5.00	5.67	
139 sec-Butylbenzene	105	12.676	12.670	0.006	94	1290111	5.00	5.67	
140 1,3-Dichlorobenzene	146	12.774	12.768	0.006	98	554357	5.00	5.43	
141 4-Isopropyltoluene	119	12.780	12.780	0.000	97	1125162	5.00	5.54	
* 142 1,4-Dichlorobenzene-d4	152	12.829	12.823	0.006	94	830477	10.0	10.0	
143 1,4-Dichlorobenzene	146	12.841	12.841	0.000	95	556798	5.00	5.17	
144 1,2,3-Trimethylbenzene	120	12.853	12.853	0.000	99	425100	5.00	5.28	
145 Benzyl chloride	126	12.926	12.920	0.006	98	59300	5.00	5.38	
146 p-Diethylbenzene	119	13.054	13.054	0.000	94	696870	5.00	5.63	
147 n-Butylbenzene	92	13.072	13.073	0.000	97	569470	5.00	6.00	
148 1,2-Dichlorobenzene	146	13.103	13.103	0.000	98	489002	5.00	5.51	
150 1,2-Dibromo-3-Chloropropane	155	13.646	13.646	0.000	81	18919	5.00	3.86	
151 1,3,5-Trichlorobenzene	180	13.767	13.767	0.000	97	476530	5.00	5.36	
152 1,2,4-Trichlorobenzene	180	14.188	14.188	0.000	94	379128	5.00	5.15	
153 Hexachlorobutadiene	225	14.267	14.267	0.000	98	208619	5.00	5.10	
154 Naphthalene	128	14.365	14.365	0.000	97	496099	5.00	5.16	
155 1,2,3-Trichlorobenzene	180	14.505	14.505	0.000	96	297568	5.00	4.86	
156 2-Methylnaphthalene	142	15.103	15.097	0.007	91	263623	5.00	5.10	
167 Pentane	43	2.806	2.806	0.000	97	310551	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Review Flags

M - Manually Integrated

Reagents:

MSV_LCS_VOC#1_00190	Amount Added: 12.50	Units: uL	
MSV_QC_Gas826_00227	Amount Added: 12.50	Units: uL	
MSV_HP25_ISSS_00101	Amount Added: 1.00	Units: uL	Run Reagent

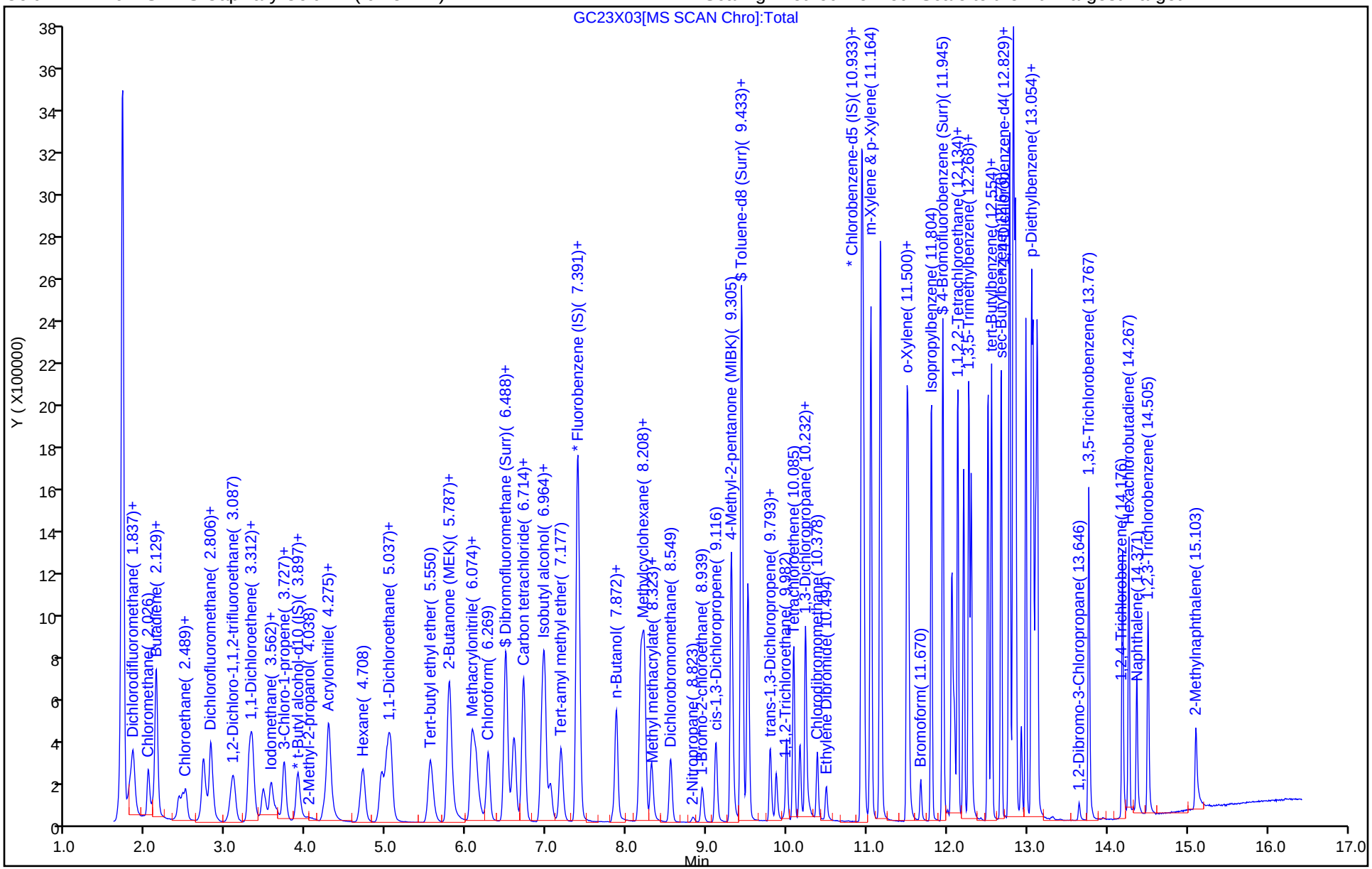
Report Date: 23-Oct-2024 12:33:05 Chrom Revision: 2.3 17-Oct-2024 11:42:22

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X03.D

Injection Date:	23-Oct-2024 10:21:30	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\20241023-128543.b\GC23X03.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 23-Oct-2024 10:21:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0128543-004
Misc. Info.: LCS
Operator ID: ecr105096 Instrument ID: 16334

Method: \\chromfs\Lancaster\ChromData\16334\20241023-128543.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 23-Oct-2024 12:33:00 Calib Date: 26-Aug-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\16334\20240826-123245.b\GG26X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1690

First Level Reviewer: N7YK Date: 23-Oct-2024 10:43:46

Compound	Amount Added	Amount Recovered	% Rec.
$ 52 Dibromofluoromethane (Surr)	10.0	10.2	102.25
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	9.72	97.25
$ 83 Toluene-d8 (Surr)	10.0	10.4	103.95
$ 127 4-Bromofluorobenzene (Surr)	10.0	10.2	101.63

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

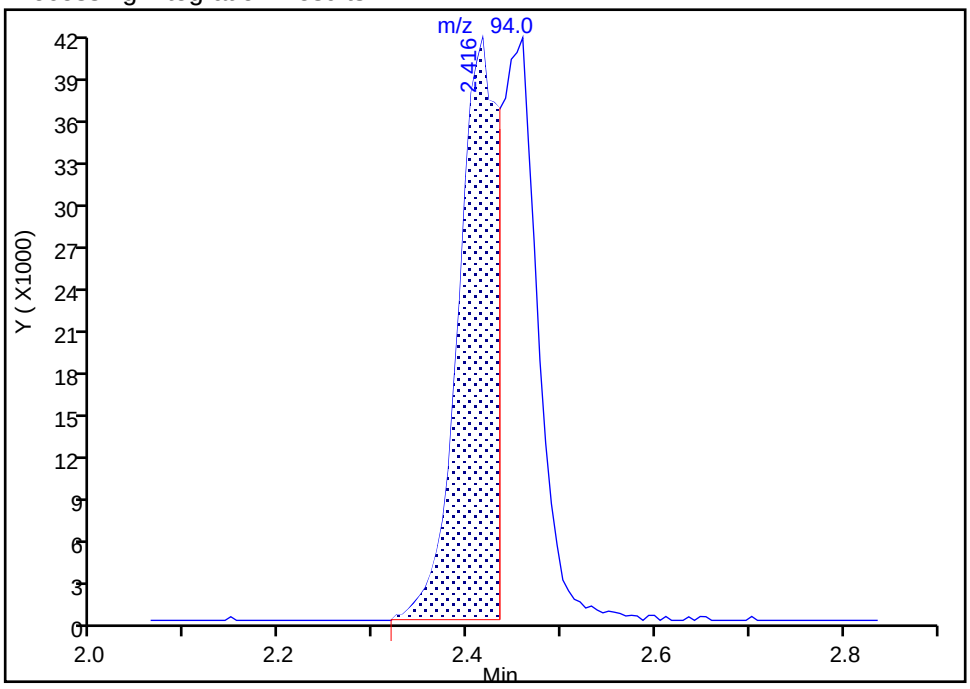
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Injection Date:	23-Oct-2024 10:21:30	Instrument ID:	16334		
Lims ID:	LCS				
Client ID:					
Operator ID:	ecr105096	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

9 Bromomethane, CAS: 74-83-9

Signal: 1

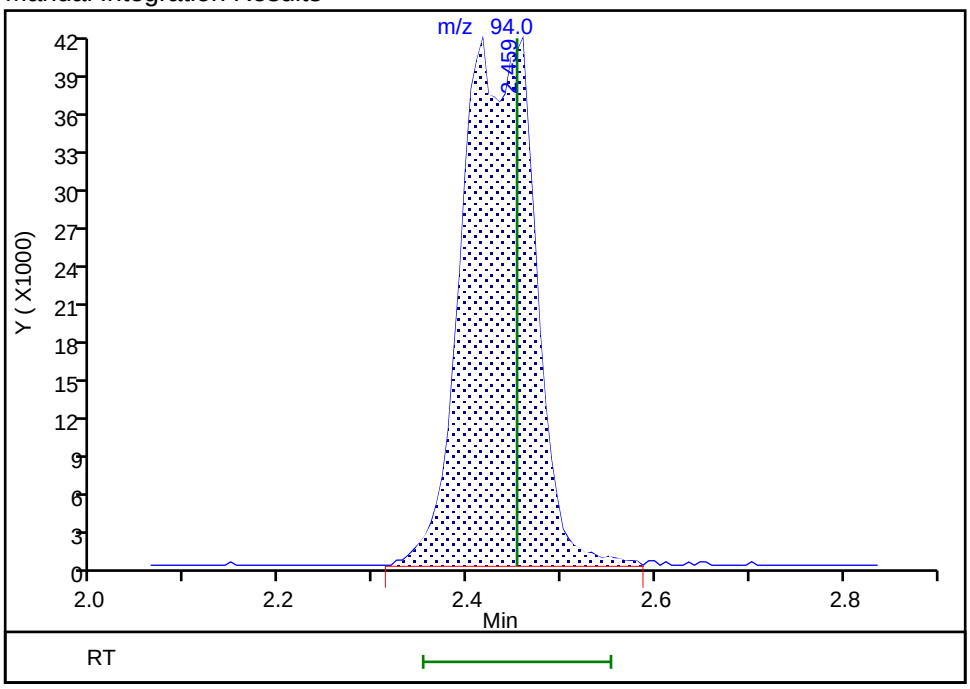
Processing Integration Results

RT: 2.42
Area: 122526
Amount: 3.152900
Amount Units: ug/l



Manual Integration Results

RT: 2.46
Area: 224881
Amount: 5.786750
Amount Units: ug/l



Reviewer: N7YK, 23-Oct-2024 10:41:37 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-193020-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-569172/4

Matrix: Water
Lab File ID: CC29X33.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 25(mL)
Date Analyzed: 10/29/2024 21:53

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 569172
Units: ug/L

Preparation Batch No.:
Instrument ID: 10193

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	5.26		0.50	0.070
71-55-6	1,1,1-Trichloroethane	5.42		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	4.49		0.50	0.10
79-00-5	1,1,2-Trichloroethane	4.95		0.50	0.080
75-34-3	1,1-Dichloroethane	4.75		0.50	0.10
75-35-4	1,1-Dichloroethene	5.46		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	4.92		0.50	0.080
107-06-2	1,2-Dichloroethane	5.49		0.50	0.070
78-87-5	1,2-Dichloropropane	4.57		0.50	0.10
78-93-3	2-Butanone (MEK)	60.1		5.0	1.0
591-78-6	2-Hexanone	62.9		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	62.3		5.0	1.0
67-64-1	Acetone	61.9		5.0	1.5
71-43-2	Benzene	4.78		0.50	0.10
74-97-5	Bromochloromethane	5.60		0.50	0.080
75-27-4	Bromodichloromethane	5.20		0.50	0.080
75-25-2	Bromoform	4.87		1.0	0.30
74-83-9	Bromomethane	4.52		0.50	0.10
75-15-0	Carbon disulfide	4.59		1.0	0.10
56-23-5	Carbon tetrachloride	5.50		0.50	0.10
108-90-7	Chlorobenzene	5.09		0.50	0.070
75-00-3	Chloroethane	3.94		0.50	0.10
67-66-3	Chloroform	4.90		0.50	0.090
74-87-3	Chloromethane	3.63		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	4.98		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	4.52		0.50	0.10
124-48-1	Dibromochloromethane	5.04		0.50	0.080
100-41-4	Ethylbenzene	4.75		0.50	0.080
1634-04-4	Methyl tert-butyl ether	4.52		0.50	0.080
75-09-2	Methylene Chloride	4.69		0.50	0.20
100-42-5	Styrene	4.98		0.50	0.070
127-18-4	Tetrachloroethene	5.19		0.50	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-193020-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-569172/4

Matrix: Water
Lab File ID: CC29X33.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 25(mL)
Date Analyzed: 10/29/2024 21:53

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 569172
Units: ug/L

Preparation Batch No.:
Instrument ID: 10193

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	4.83		0.50	0.080
156-60-5	trans-1,2-Dichloroethene	5.10		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	4.60		0.50	0.080
79-01-6	Trichloroethene	4.91		0.50	0.080
75-01-4	Vinyl chloride	3.76		0.50	0.10
1330-20-7	Xylenes, Total	14.9		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		80-120
460-00-4	4-Bromofluorobenzene (Surr)	93		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\10193\20241029-129145.b\CC29X33.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 29-Oct-2024 21:53:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0129145-004
Misc. Info.: LCS
Operator ID: gaw91131 Instrument ID: 10193

Method: \\chromfs\Lancaster\ChromData\10193\20241029-129145.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 29-Oct-2024 23:00:33 Calib Date: 15-Jun-2024 00:45:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1647

First Level Reviewer: JS6E Date: 29-Oct-2024 22:32:53

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.787	1.781	0.006	99	289693	5.00	4.08	
5 Chloromethane	50	1.951	1.957	-0.006	99	291620	5.00	3.63	
6 Vinyl chloride	62	2.055	2.061	-0.006	98	296722	5.00	3.76	
7 Butadiene	39	2.067	2.067	0.000	90	388646	5.00	4.60	
9 Bromomethane	94	2.354	2.354	0.000	91	251415	5.00	4.52	
10 Chloroethane	64	2.421	2.427	-0.006	99	178411	5.00	3.94	
11 Dichlorofluoromethane	67	2.640	2.640	0.000	97	524378	5.00	4.47	
12 Trichlorofluoromethane	101	2.695	2.695	0.000	97	470303	5.00	5.12	
13 Pentane	43	2.701	2.707	-0.006	96	301756	5.00	3.85	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	2.976	2.988	-0.012	87	283804	5.00	4.20	
18 1,1-Dichloroethene	96	3.159	3.165	-0.006	95	267197	5.00	5.46	
20 Acetone	43	3.189	3.195	-0.006	100	449351	62.5	61.9	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.207	3.213	-0.006	88	239874	5.00	4.76	
22 Iodomethane	142	3.335	3.329	0.006	98	516093	5.00	5.06	
24 Isopropyl alcohol	45	3.360	3.354	0.006	33	43474	37.5	29.1	
25 Carbon disulfide	76	3.421	3.421	0.000	99	728672	5.00	4.59	
26 Methyl acetate	43	3.549	3.567	-0.018	97	106000	5.00	5.09	
29 3-Chloro-1-propene	41	3.579	3.573	0.006	89	316501	5.00	3.89	
30 Methylene Chloride	84	3.744	3.744	0.000	85	273513	5.00	4.69	
* 31 t-Butyl alcohol-d10 (IS)	65	3.744	3.756	-0.012	36	146380	50.0	50.0	
32 2-Methyl-2-propanol	59	3.878	3.872	0.006	99	119388	50.0	42.2	
33 Acrylonitrile	53	4.049	4.049	0.000	98	240366	25.0	22.7	
34 Methyl tert-butyl ether	73	4.097	4.103	-0.006	95	675221	5.00	4.52	
35 trans-1,2-Dichloroethene	96	4.103	4.103	0.000	97	298132	5.00	5.10	
36 Hexane	57	4.518	4.518	0.000	91	285914	5.00	3.77	
37 1,1-Dichloroethane	63	4.756	4.756	0.000	96	476885	5.00	4.75	
39 Isopropyl ether	45	4.823	4.817	0.006	91	679739	5.00	3.80	
40 2-Chloro-1,3-butadiene	53	4.872	4.872	0.000	90	370357	5.00	4.45	
41 Tert-butyl ethyl ether	59	5.365	5.365	0.000	96	747187	5.00	4.26	
42 2-Butanone (MEK)	43	5.579	5.573	0.006	98	800831	62.5	60.1	
43 cis-1,2-Dichloroethene	96	5.609	5.609	0.000	79	326991	5.00	4.98	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
44 2,2-Dichloropropane	77	5.615	5.621	-0.006	66	440323	5.00	5.29	
45 Propionitrile	54	5.695	5.688	0.007	97	127944	37.5	35.6	
47 Methacrylonitrile	67	5.896	5.902	-0.006	89	544914	37.5	41.4	
48 Chlorobromomethane	128	5.945	5.938	0.007	82	169843	5.00	5.60	
49 Tetrahydrofuran	71	5.951	5.957	-0.006	68	106567	25.0	25.6	
50 Chloroform	83	6.109	6.103	0.006	93	521516	5.00	4.90	
$ 54 Dibromofluoromethane (Surr)	113	6.323	6.322	0.001	95	548044	10.0	10.6	
53 1,1,1-Trichloroethane	97	6.323	6.329	-0.006	77	481806	5.00	5.42	
55 Cyclohexane	56	6.426	6.420	0.006	86	355841	5.00	3.76	
56 Carbon tetrachloride	117	6.542	6.542	0.000	96	442358	5.00	5.50	
57 1,1-Dichloropropene	75	6.548	6.548	0.000	96	372664	5.00	4.69	
58 Isobutyl alcohol	41	6.743	6.743	0.000	89	121926	125.0	120.1	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.786	6.792	-0.006	98	107663	10.0	10.2	
60 Benzene	78	6.816	6.816	0.000	96	1141765	5.00	4.78	
61 1,2-Dichloroethane	62	6.890	6.889	0.001	98	334095	5.00	5.49	
64 Tert-amyl methyl ether	73	7.018	7.017	0.001	99	735692	5.00	4.52	
* 65 Fluorobenzene (IS)	96	7.231	7.231	0.000	99	2139929	10.0	10.0	
66 n-Heptane	43	7.249	7.255	-0.006	87	306364	5.00	3.89	
67 n-Butanol	56	7.652	7.651	0.001	89	216919	250.0	232.4	
68 Trichloroethene	95	7.719	7.719	0.000	94	322703	5.00	4.91	
69 Methylcyclohexane	83	8.030	8.029	0.001	89	445334	5.00	4.23	
70 1,2-Dichloropropane	63	8.054	8.060	-0.006	96	279144	5.00	4.57	
71 2-ethoxy-2-methyl butane	87	8.084	8.084	0.000	96	469121	5.00	4.72	
74 1,4-Dioxane	88	8.158	8.157	0.001	28	33381	125.0	182.3	M
73 Methyl methacrylate	69	8.164	8.164	0.000	88	136020	5.00	4.93	
72 Dibromomethane	93	8.164	8.170	-0.006	90	160801	5.00	5.17	
76 Dichlorobromomethane	83	8.420	8.420	0.000	99	383708	5.00	5.20	
77 2-Nitropropane	41	8.706	8.706	0.000	95	38530	5.00	5.18	
78 1-Bromo-2-chloroethane	63	8.816	8.810	0.006	98	290980	5.00	4.87	
80 cis-1,3-Dichloropropene	75	8.993	8.993	0.000	96	431260	5.00	4.52	
82 4-Methyl-2-pentanone (MIBK)	43	9.200	9.200	0.000	95	2123749	62.5	62.3	
$ 83 Toluene-d8 (Surr)	98	9.322	9.322	0.000	93	2217363	10.0	9.78	
84 Toluene	92	9.407	9.407	0.000	99	811939	5.00	4.83	
85 trans-1,3-Dichloropropene	75	9.700	9.694	0.006	91	393637	5.00	4.60	
86 Ethyl methacrylate	69	9.773	9.779	-0.006	88	289079	5.00	3.94	
87 1,1,2-Trichloroethane	97	9.913	9.913	0.000	89	240531	5.00	4.95	
88 Tetrachloroethene	166	9.993	9.992	0.001	96	433051	5.00	5.19	
89 1,3-Dichloropropane	76	10.084	10.084	0.000	89	368497	5.00	4.56	
106 2-Hexanone	43	10.157	10.157	0.000	94	1557659	62.5	62.9	
108 Chlorodibromomethane	129	10.303	10.303	0.000	89	314980	5.00	5.04	
110 Ethylene Dibromide	107	10.419	10.419	0.000	99	237335	5.00	4.92	
* 111 Chlorobenzene-d5 (IS)	117	10.877	10.876	0.001	82	1769239	10.0	10.0	
112 1-Chlorohexane	91	10.895	10.895	0.000	96	399228	5.00	4.05	
113 Chlorobenzene	112	10.901	10.901	0.000	99	1022555	5.00	5.09	
114 1,1,1,2-Tetrachloroethane	131	10.992	10.992	0.000	95	372673	5.00	5.26	
115 Ethylbenzene	91	10.998	10.998	0.000	97	1566878	5.00	4.75	
116 m-Xylene & p-Xylene	106	11.120	11.120	0.000	97	1353160	10.0	10.0	
118 o-Xylene	106	11.462	11.462	0.000	94	653279	5.00	4.90	
119 Styrene	104	11.474	11.480	-0.006	95	1098229	5.00	4.98	
120 Bromoform	173	11.633	11.632	0.000	98	196145	5.00	4.87	
121 Isopropylbenzene	105	11.773	11.773	0.000	95	1638667	5.00	5.18	
$ 124 4-Bromofluorobenzene (Surr)	95	11.919	11.919	0.000	97	788410	10.0	9.25	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
126 1,1,2,2-Tetrachloroethane	83	12.035	12.035	0.000	71	286753	5.00	4.49	
125 Bromobenzene	156	12.035	12.035	0.000	83	490815	5.00	5.10	
127 trans-1,4-Dichloro-2-butene	53	12.059	12.059	0.000	91	285026	25.0	19.0	
128 1,2,3-Trichloropropane	110	12.078	12.077	0.001	83	86675	5.00	4.88	
129 N-Propylbenzene	91	12.114	12.114	0.000	98	1914063	5.00	4.62	
130 2-Chlorotoluene	126	12.187	12.187	0.000	99	446222	5.00	4.81	
131 1,3,5-Trimethylbenzene	105	12.254	12.254	0.000	95	1436857	5.00	4.65	
132 4-Chlorotoluene	126	12.285	12.285	0.000	95	473262	5.00	4.89	
133 tert-Butylbenzene	134	12.504	12.498	0.006	90	323725	5.00	4.35	
135 1,2,4-Trimethylbenzene	105	12.547	12.547	0.000	96	1467970	5.00	4.60	
136 sec-Butylbenzene	105	12.669	12.669	0.000	93	1847871	5.00	4.63	
137 1,3-Dichlorobenzene	146	12.766	12.766	0.000	97	954274	5.00	5.01	
138 4-Isopropyltoluene	119	12.779	12.779	0.000	97	1676084	5.00	4.67	
* 139 1,4-Dichlorobenzene-d4	152	12.821	12.821	0.000	92	1094933	10.0	10.0	
140 1,4-Dichlorobenzene	146	12.840	12.839	0.001	97	987698	5.00	5.07	
141 1,2,3-Trimethylbenzene	120	12.852	12.852	0.000	97	685551	5.00	4.65	
142 Benzyl chloride	126	12.925	12.919	0.006	97	150927	5.00	5.15	
145 p-Diethylbenzene	119	13.059	13.059	0.000	94	1035808	5.00	4.63	
143 n-Butylbenzene	92	13.077	13.077	0.000	96	772627	5.00	4.49	
144 1,2-Dichlorobenzene	146	13.102	13.108	-0.006	99	859622	5.00	4.95	
148 1,2-Dibromo-3-Chloropropane	155	13.663	13.663	0.001	92	47940	5.00	4.53	
149 1,3,5-Trichlorobenzene	180	13.785	13.784	0.001	97	720675	5.00	4.88	
150 1,2,4-Trichlorobenzene	180	14.217	14.217	0.000	94	555298	5.00	4.64	
151 Hexachlorobutadiene	225	14.303	14.303	0.000	95	328247	5.00	5.31	
152 Naphthalene	128	14.400	14.400	0.000	96	848591	5.00	4.48	
153 1,2,3-Trichlorobenzene	180	14.547	14.546	0.001	96	431437	5.00	4.62	
154 2-Methylnaphthalene	142	15.156	15.156	0.000	91	286714	5.00	3.42	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_LCS_VOC#1_00191	Amount Added: 12.50	Units: uL	
MSV_QC_Gas826_00228	Amount Added: 12.50	Units: uL	
MSV_HP25_ISSS_00101	Amount Added: 1.00	Units: uL	Run Reagent

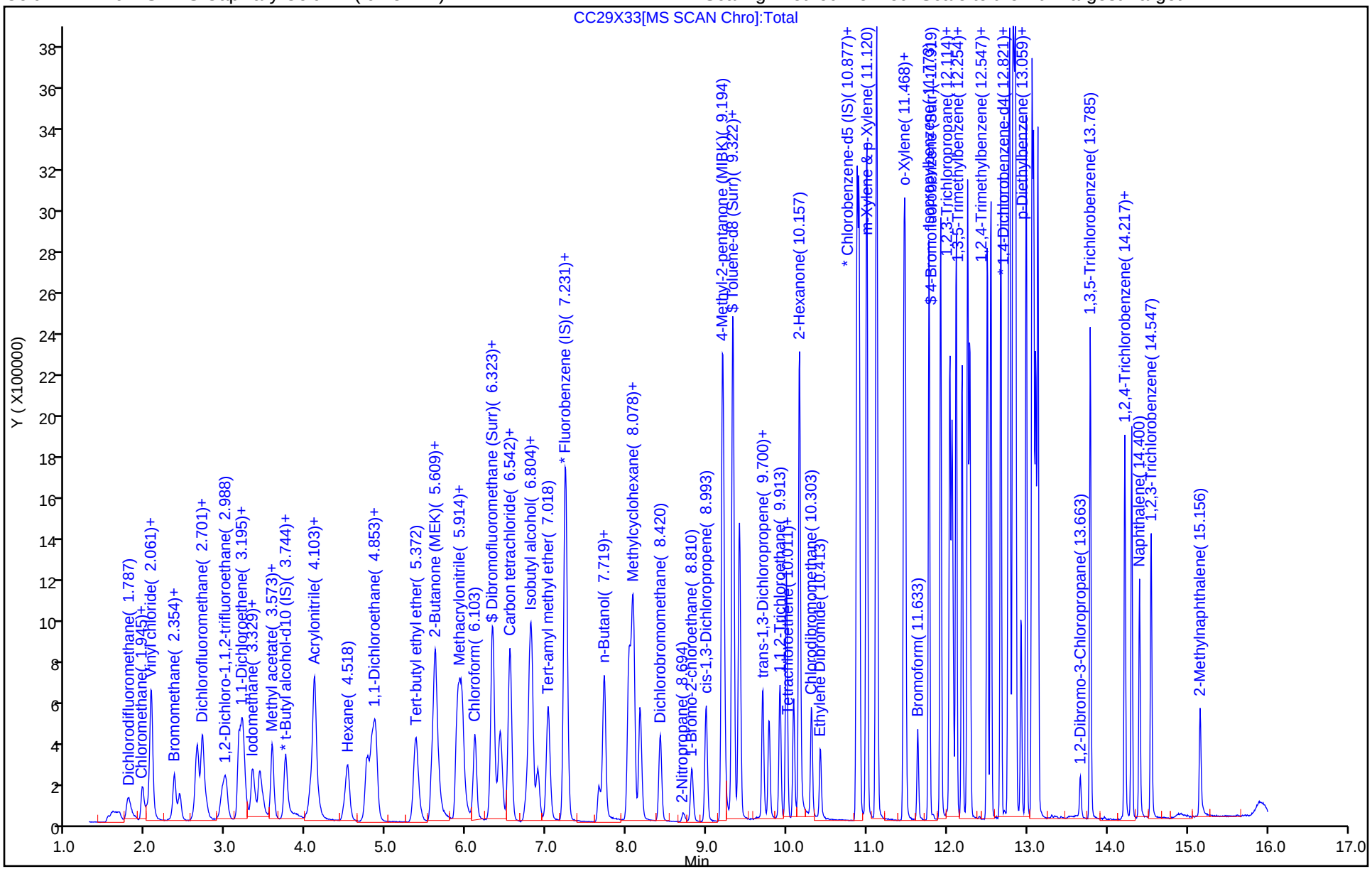
Report Date: 29-Oct-2024 23:00:37 Chrom Revision: 2.3 17-Oct-2024 11:42:22

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20241029-129145.b\CC29X33.D

Injection Date:	29-Oct-2024 21:53:30	Instrument ID:	10193	Operator ID:	gaw91131
Lims ID:	LCS			Worklist Smp#:	4
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\10193\20241029-129145.b\CC29X33.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 29-Oct-2024 21:53:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0129145-004
Misc. Info.: LCS
Operator ID: gaw91131 Instrument ID: 10193

Method: \\chromfs\Lancaster\ChromData\10193\20241029-129145.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 29-Oct-2024 23:00:33 Calib Date: 15-Jun-2024 00:45:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20240614-116724.b\CU14X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1647

First Level Reviewer: JS6E Date: 29-Oct-2024 22:32:53

Compound	Amount Added	Amount Recovered	% Rec.
$ 54 Dibromofluoromethane (Surr)	10.0	10.6	105.75
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.2	101.55
$ 83 Toluene-d8 (Surr)	10.0	9.78	97.81
$ 124 4-Bromofluorobenzene (Surr)	10.0	9.25	92.52

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-193020-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-569353/5

Matrix: Water
Lab File ID: HC30X04.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 25(mL)
Date Analyzed: 10/30/2024 09:38

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.: 569353
Units: ug/L

Preparation Batch No.:
Instrument ID: 19094

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	5.57		0.50	0.070
71-55-6	1,1,1-Trichloroethane	6.08		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	4.89		0.50	0.10
79-00-5	1,1,2-Trichloroethane	5.12		0.50	0.080
75-34-3	1,1-Dichloroethane	5.85		0.50	0.10
75-35-4	1,1-Dichloroethene	6.36		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	5.26		0.50	0.080
107-06-2	1,2-Dichloroethane	5.61		0.50	0.070
78-87-5	1,2-Dichloropropane	5.68		0.50	0.10
78-93-3	2-Butanone (MEK)	67.9		5.0	1.0
591-78-6	2-Hexanone	67.1		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	63.6		5.0	1.0
67-64-1	Acetone	62.7		5.0	1.5
71-43-2	Benzene	5.64		0.50	0.10
74-97-5	Bromochloromethane	5.69		0.50	0.080
75-27-4	Bromodichloromethane	5.74		0.50	0.080
75-25-2	Bromoform	5.96		1.0	0.30
74-83-9	Bromomethane	5.49		0.50	0.10
75-15-0	Carbon disulfide	5.54		1.0	0.10
56-23-5	Carbon tetrachloride	6.45		0.50	0.10
108-90-7	Chlorobenzene	5.60		0.50	0.070
75-00-3	Chloroethane	5.56		0.50	0.10
67-66-3	Chloroform	5.82		0.50	0.090
74-87-3	Chloromethane	5.15		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	5.64		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	5.41		0.50	0.10
124-48-1	Dibromochloromethane	5.67		0.50	0.080
100-41-4	Ethylbenzene	5.53		0.50	0.080
1634-04-4	Methyl tert-butyl ether	5.06		0.50	0.080
75-09-2	Methylene Chloride	5.62		0.50	0.20
100-42-5	Styrene	5.45		0.50	0.070
127-18-4	Tetrachloroethene	5.78		0.50	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 410-569353/5

Matrix: Water Lab File ID: HC30X04.D

Analysis Method: 8260D Date Collected:

Sample wt/vol: 25(mL) Date Analyzed: 10/30/2024 09:38

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.: 569353 Units: ug/L

Preparation Batch No.: Instrument ID: 19094

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	5.57		0.50	0.080
156-60-5	trans-1,2-Dichloroethene	6.01		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	5.31		0.50	0.080
79-01-6	Trichloroethene	5.80		0.50	0.080
75-01-4	Vinyl chloride	5.26		0.50	0.10
1330-20-7	Xylenes, Total	16.7		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)	99		80-120
1868-53-7	Dibromofluoromethane (Surr)	102		80-120
2037-26-5	Toluene-d8 (Surr)	98		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20241030-129201.b\HC30X04.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 30-Oct-2024 09:38:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0129201-005
Misc. Info.: LCS
Operator ID: ecr105096 Instrument ID: 19094

Method: \\chromfs\Lancaster\ChromData\19094\20241030-129201.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 30-Oct-2024 11:53:15 Calib Date: 15-Oct-2024 00:00:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1681

First Level Reviewer: N7YK Date: 30-Oct-2024 10:25:04

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.855	1.855	0.000	99	244970	5.00	5.84	
5 Chloromethane	50	2.038	2.038	0.000	98	322303	5.00	5.15	
7 Butadiene	39	2.142	2.142	0.000	94	367813	5.00	6.36	
6 Vinyl chloride	62	2.148	2.148	0.000	85	283195	5.00	5.26	
9 Bromomethane	94	2.452	2.453	-0.001	91	212809	5.00	5.49	
10 Chloroethane	64	2.519	2.520	-0.001	100	192547	5.00	5.56	
11 Dichlorofluoromethane	67	2.739	2.739	0.000	97	486362	5.00	5.48	
12 Trichlorofluoromethane	101	2.812	2.812	0.000	98	374175	5.00	6.32	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.099	3.099	0.000	93	282381	5.00	5.66	
17 1,1-Dichloroethene	96	3.312	3.306	0.006	98	212268	5.00	6.36	
19 Acetone	43	3.343	3.330	0.012	100	330553	62.5	62.7	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.355	3.343	0.012	89	199213	5.00	6.44	
21 Iodomethane	142	3.489	3.489	0.000	99	368210	5.00	5.39	
23 Carbon disulfide	76	3.592	3.593	-0.001	99	586950	5.00	5.54	
24 Methyl acetate	43	3.733	3.721	0.012	25	73531	5.00	5.09	M
26 3-Chloro-1-propene	41	3.745	3.739	0.006	92	375486	5.00	5.36	
27 Methylene Chloride	84	3.909	3.910	-0.001	94	224864	5.00	5.62	
* 28 t-Butyl alcohol-d10 (IS)	65	3.928	3.928	0.000	43	94702	50.0	50.0	
29 2-Methyl-2-propanol	59	4.044	4.038	0.006	99	86378	50.0	53.0	
31 Acrylonitrile	53	4.226	4.227	-0.001	99	179618	25.0	26.0	
32 Methyl tert-butyl ether	73	4.294	4.294	0.000	96	470500	5.00	5.06	
33 trans-1,2-Dichloroethene	96	4.306	4.300	0.006	98	234315	5.00	6.01	
34 Hexane	57	4.732	4.727	0.006	94	308915	5.00	5.97	
36 1,1-Dichloroethane	63	4.958	4.958	0.000	96	448056	5.00	5.85	
37 Isopropyl ether	45	5.019	5.019	0.000	95	732130	5.00	5.28	
38 2-Chloro-1,3-butadiene	53	5.074	5.074	0.000	91	359768	5.00	5.65	
40 Tert-butyl ethyl ether	59	5.555	5.562	-0.007	98	652715	5.00	5.17	
41 2-Butanone (MEK)	43	5.763	5.769	-0.006	100	621748	62.5	67.9	
42 cis-1,2-Dichloroethene	96	5.799	5.799	0.000	83	256494	5.00	5.64	
43 2,2-Dichloropropane	77	5.818	5.812	0.006	87	377571	5.00	5.94	
44 Propionitrile	54	5.872	5.860	0.012	97	68350	37.5	27.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
47 Methacrylonitrile	67	6.068	6.068	0.000	93	372551	37.5	37.3	
48 Chlorobromomethane	128	6.141	6.141	0.000	97	105176	5.00	5.69	
49 Tetrahydrofuran	71	6.153	6.153	0.000	76	65685	25.0	25.5	
50 Chloroform	83	6.293	6.287	0.006	93	418679	5.00	5.82	
$ 52 Dibromofluoromethane (Surr)	113	6.513	6.507	0.006	94	456643	10.0	10.2	
53 1,1,1-Trichloroethane	97	6.519	6.519	0.000	99	372106	5.00	6.08	
54 Cyclohexane	56	6.628	6.629	-0.001	93	395748	5.00	5.93	
56 Carbon tetrachloride	117	6.738	6.738	0.000	93	329330	5.00	6.45	
55 1,1-Dichloropropene	75	6.744	6.738	0.006	95	336444	5.00	5.86	
57 Isobutyl alcohol	41	6.903	6.903	0.000	94	77234	125.0	128.6	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.970	6.964	0.006	84	90915	10.0	10.0	
59 Benzene	78	7.000	7.000	0.000	97	996045	5.00	5.64	
60 1,2-Dichloroethane	62	7.080	7.080	0.000	97	232818	5.00	5.61	
63 Tert-amyl methyl ether	73	7.202	7.208	-0.006	98	531435	5.00	5.07	
* 64 Fluorobenzene (IS)	96	7.415	7.415	0.000	98	1917531	10.0	10.0	
65 n-Heptane	43	7.433	7.439	-0.006	95	332783	5.00	6.54	
67 n-Butanol	56	7.811	7.799	0.012	92	93783	250.0	225.2	
68 Trichloroethene	95	7.909	7.903	0.006	98	256039	5.00	5.80	
69 Methylcyclohexane	83	8.220	8.220	0.000	92	399883	5.00	6.28	
70 1,2-Dichloropropane	63	8.238	8.238	0.000	87	254241	5.00	5.68	
71 2-ethoxy-2-methyl butane	87	8.256	8.256	0.000	92	353875	5.00	5.33	
72 Methyl methacrylate	69	8.335	8.336	-0.001	91	87692	5.00	4.65	
73 1,4-Dioxane	88	8.342	8.342	0.000	30	14275	125.0	192.4	
74 Dibromomethane	93	8.354	8.348	0.006	94	101474	5.00	5.42	
76 Dichlorobromomethane	83	8.591	8.592	-0.001	99	285660	5.00	5.74	
77 2-Nitropropane	41	8.866	8.860	0.006	99	26974	5.00	4.39	
79 1-Bromo-2-chloroethane	63	8.994	8.994	0.000	98	239702	5.00	5.84	
80 cis-1,3-Dichloropropene	75	9.158	9.159	-0.001	95	340300	5.00	5.41	
82 4-Methyl-2-pentanone (MIBK)	43	9.341	9.341	0.000	98	1603177	62.5	63.6	
$ 83 Toluene-d8 (Surr)	98	9.482	9.488	-0.006	94	1934913	10.0	9.77	
84 Toluene	92	9.567	9.561	0.006	98	633765	5.00	5.57	
85 trans-1,3-Dichloropropene	75	9.841	9.835	0.006	94	277936	5.00	5.31	
104 Ethyl methacrylate	69	9.908	9.908	0.000	90	193915	5.00	4.62	
106 1,1,2-Trichloroethane	97	10.049	10.049	-0.001	91	147444	5.00	5.12	
107 Tetrachloroethene	166	10.140	10.140	0.000	97	297067	5.00	5.78	
108 1,3-Dichloropropane	76	10.213	10.213	0.000	92	261537	5.00	5.18	
109 2-Hexanone	43	10.274	10.274	0.000	97	1083337	62.5	67.1	
111 Chlorodibromomethane	129	10.439	10.439	0.000	89	194332	5.00	5.67	
112 Ethylene Dibromide	107	10.548	10.549	-0.001	98	138081	5.00	5.26	
* 113 Chlorobenzene-d5 (IS)	117	10.993	10.994	-0.001	85	1444756	10.0	10.0	
114 1-Chlorohexane	91	11.006	11.012	-0.006	99	338460	5.00	5.24	
115 Chlorobenzene	112	11.018	11.024	-0.006	94	686974	5.00	5.60	
116 1,1,1,2-Tetrachloroethane	131	11.109	11.109	0.000	96	236980	5.00	5.57	
117 Ethylbenzene	91	11.109	11.109	0.000	99	1222496	5.00	5.53	
119 m-Xylene & p-Xylene	106	11.231	11.231	0.000	100	954215	10.0	11.2	
120 o-Xylene	106	11.567	11.567	-0.001	96	460852	5.00	5.54	
121 Styrene	104	11.579	11.579	0.000	95	735696	5.00	5.45	
122 Bromoform	173	11.737	11.737	0.000	98	113357	5.00	5.96	
123 Isopropylbenzene	105	11.871	11.871	0.000	96	1243234	5.00	6.33	
$ 126 4-Bromofluorobenzene (Surr)	95	12.018	12.018	0.000	93	703636	10.0	9.91	
127 1,1,2,2-Tetrachloroethane	83	12.115	12.115	0.000	93	179181	5.00	4.89	
128 Bromobenzene	156	12.133	12.127	0.006	96	282546	5.00	5.33	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
129 trans-1,4-Dichloro-2-butene	53	12.146	12.146	0.000	91	173210	25.0	20.4	
130 1,2,3-Trichloropropane	110	12.164	12.164	0.000	82	45813	5.00	5.15	
131 N-Propylbenzene	91	12.201	12.201	0.000	99	1464932	5.00	5.48	
132 2-Chlorotoluene	126	12.280	12.280	0.000	97	287540	5.00	5.49	
133 1,3,5-Trimethylbenzene	105	12.341	12.341	0.000	94	1042818	5.00	5.55	
134 4-Chlorotoluene	126	12.371	12.371	0.000	98	289297	5.00	5.39	
135 tert-Butylbenzene	134	12.585	12.585	0.000	93	220797	5.00	5.16	
137 1,2,4-Trimethylbenzene	105	12.627	12.627	0.000	98	1036481	5.00	5.41	
138 sec-Butylbenzene	105	12.749	12.749	0.000	94	1329856	5.00	5.54	
139 1,3-Dichlorobenzene	146	12.847	12.847	0.000	99	565002	5.00	5.43	
140 4-Isopropyltoluene	119	12.859	12.859	0.000	98	1164646	5.00	5.53	
* 141 1,4-Dichlorobenzene-d4	152	12.908	12.902	0.006	93	836479	10.0	10.0	
142 1,4-Dichlorobenzene	146	12.926	12.926	0.000	96	577055	5.00	5.43	
143 1,2,3-Trimethylbenzene	120	12.932	12.932	0.000	99	442990	5.00	5.12	
144 Benzyl chloride	126	12.999	12.999	0.000	99	76256	5.00	5.16	
145 p-Diethylbenzene	119	13.133	13.133	0.000	96	704554	5.00	5.55	
146 n-Butylbenzene	92	13.152	13.152	0.000	97	547462	5.00	5.63	
147 1,2-Dichlorobenzene	146	13.182	13.182	0.000	99	513199	5.00	5.52	
149 1,2-Dibromo-3-Chloropropane	155	13.731	13.731	0.000	86	24618	5.00	5.08	
150 1,3,5-Trichlorobenzene	180	13.853	13.853	0.000	98	435652	5.00	5.64	
151 1,2,4-Trichlorobenzene	180	14.279	14.280	-0.001	94	367738	5.00	5.54	
152 Hexachlorobutadiene	225	14.365	14.365	0.000	95	155043	5.00	5.78	
153 Naphthalene	128	14.456	14.456	0.000	97	590818	5.00	5.16	
154 1,2,3-Trichlorobenzene	180	14.603	14.603	-0.001	96	303310	5.00	5.27	
157 Pentane	43		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

MSV_LCS_VOC#1_00191	Amount Added: 12.50	Units: uL	
MSV_QC_Gas826_00228	Amount Added: 12.50	Units: uL	
MSV_LLcentISS_00013	Amount Added: 5.00	Units: uL	Run Reagent

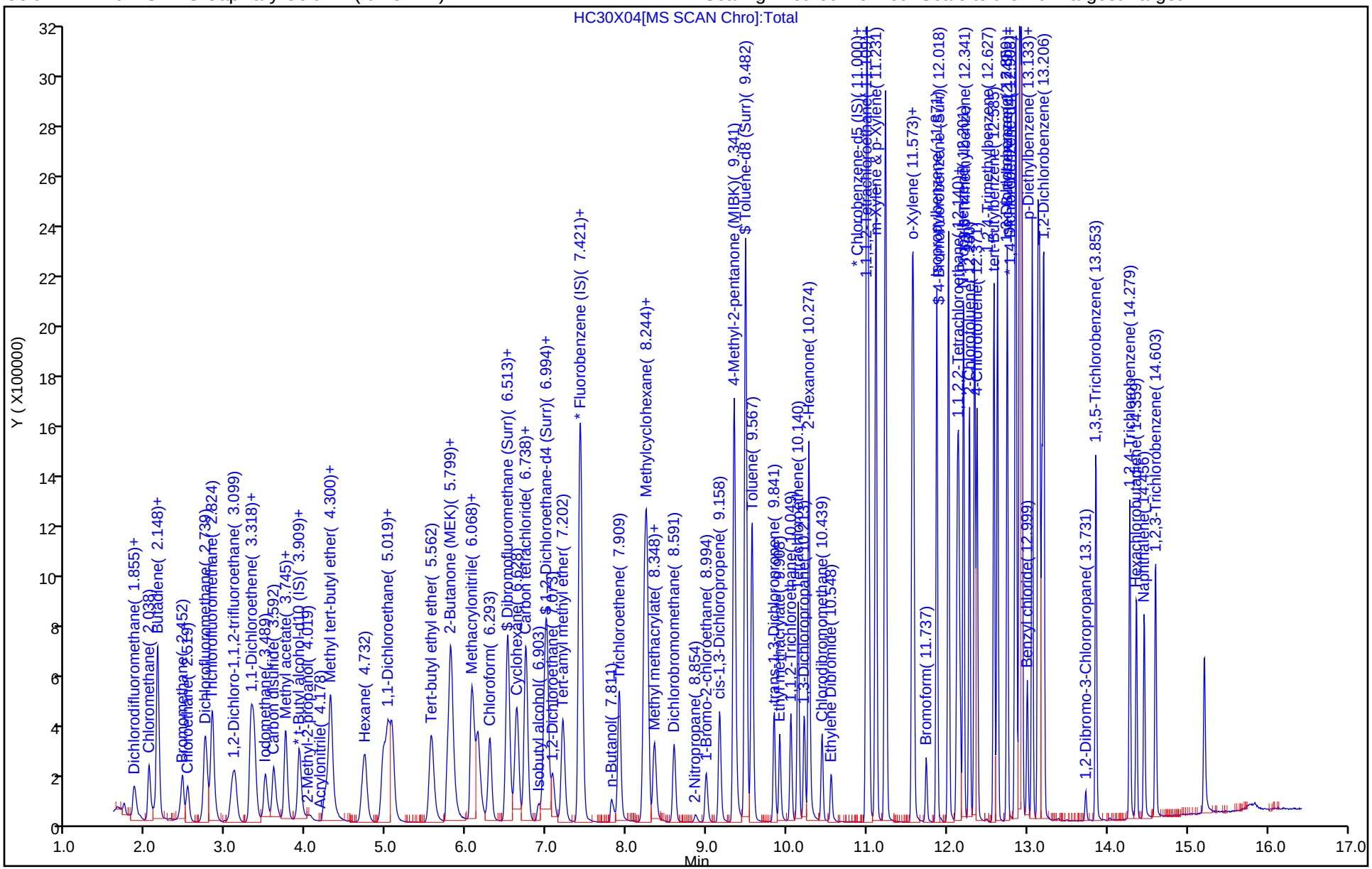
Report Date: 30-Oct-2024 11:53:18 Chrom Revision: 2.3 17-Oct-2024 11:42:22

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20241030-129201.b\HC30X04.D

Injection Date:	30-Oct-2024 09:38:30	Instrument ID:	19094	Operator ID:	ecr105096
Lims ID:	LCS			Worklist Smp#:	5
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\19094\20241030-129201.b\HC30X04.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 30-Oct-2024 09:38:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0129201-005
Misc. Info.: LCS
Operator ID: ecr105096 Instrument ID: 19094

Method: \\chromfs\Lancaster\ChromData\19094\20241030-129201.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 30-Oct-2024 11:53:15 Calib Date: 15-Oct-2024 00:00:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1681

First Level Reviewer: N7YK Date: 30-Oct-2024 10:25:04

Compound	Amount Added	Amount Recovered	% Rec.
$ 52 Dibromofluoromethane (Surr)	10.0	10.2	102.08
$ 58 1,2-Dichloroethane-d4 (Surr)	10.0	10.0	99.93
$ 83 Toluene-d8 (Surr)	10.0	9.77	97.70
$ 126 4-Bromofluorobenzene (Surr)	10.0	9.91	99.09

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-193020-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCSD 410-566703/5

Matrix: Water
Lab File ID: GC23X04.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 25(mL)
Date Analyzed: 10/23/2024 10:43

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.: 566703
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	5.07		0.50	0.070
71-55-6	1,1,1-Trichloroethane	5.41		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	5.28		0.50	0.10
79-00-5	1,1,2-Trichloroethane	5.01		0.50	0.080
75-34-3	1,1-Dichloroethane	5.46		0.50	0.10
75-35-4	1,1-Dichloroethene	5.07		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	5.12		0.50	0.080
107-06-2	1,2-Dichloroethane	5.22		0.50	0.070
78-87-5	1,2-Dichloropropane	5.32		0.50	0.10
78-93-3	2-Butanone (MEK)	59.2		5.0	1.0
591-78-6	2-Hexanone	62.1		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	59.7		5.0	1.0
67-64-1	Acetone	53.5		5.0	1.5
71-43-2	Benzene	5.04		0.50	0.10
74-97-5	Bromochloromethane	4.95		0.50	0.080
75-27-4	Bromodichloromethane	5.32		0.50	0.080
75-25-2	Bromoform	4.99		1.0	0.30
74-83-9	Bromomethane	5.33		0.50	0.10
75-15-0	Carbon disulfide	4.80		1.0	0.10
56-23-5	Carbon tetrachloride	5.24		0.50	0.10
108-90-7	Chlorobenzene	5.00		0.50	0.070
75-00-3	Chloroethane	5.52		0.50	0.10
67-66-3	Chloroform	5.30		0.50	0.090
74-87-3	Chloromethane	5.24		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	4.96		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	4.89		0.50	0.10
124-48-1	Dibromochloromethane	5.15		0.50	0.080
100-41-4	Ethylbenzene	5.19		0.50	0.080
1634-04-4	Methyl tert-butyl ether	4.80		0.50	0.080
75-09-2	Methylene Chloride	4.96		0.50	0.20
100-42-5	Styrene	5.05		0.50	0.070
127-18-4	Tetrachloroethene	4.68		0.50	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-193020-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCSD 410-566703/5

Matrix: Water
Lab File ID: GC23X04.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 25(mL)
Date Analyzed: 10/23/2024 10:43

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.: 566703
Units: ug/L

Preparation Batch No.:
Instrument ID: 16334

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	4.97		0.50	0.080
156-60-5	trans-1,2-Dichloroethene	5.01		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	5.12		0.50	0.080
79-01-6	Trichloroethene	5.02		0.50	0.080
75-01-4	Vinyl chloride	5.66		0.50	0.10
1330-20-7	Xylenes, Total	15.0		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		80-120
460-00-4	4-Bromofluorobenzene (Surr)	102		80-120
1868-53-7	Dibromofluoromethane (Surr)	102		80-120
2037-26-5	Toluene-d8 (Surr)	105		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X04.D
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 23-Oct-2024 10:43:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0128543-005
Misc. Info.: LCSD
Operator ID: ecr105096 Instrument ID: 16334

Method: \\chromfs\Lancaster\ChromData\16334\20241023-128543.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 23-Oct-2024 12:33:00 Calib Date: 26-Aug-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\16334\20240826-123245.b\GG26X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1690

First Level Reviewer: N7YK Date: 23-Oct-2024 11:08:10

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.843	1.843	0.000	99	309911	5.00	5.75	
5 Chloromethane	50	2.032	2.032	0.000	99	303426	5.00	5.24	
7 Butadiene	39	2.123	2.123	0.000	92	401564	5.00	7.19	
6 Vinyl chloride	62	2.141	2.136	0.005	98	305645	5.00	5.66	
9 Bromomethane	94	2.452	2.453	-0.001	93	224678	5.00	5.33	M
10 Chloroethane	64	2.501	2.495	0.006	100	179844	5.00	5.52	
11 Dichlorofluoromethane	67	2.715	2.715	0.000	96	393599	5.00	4.28	
12 Trichlorofluoromethane	101	2.812	2.812	0.000	59	308084	5.00	4.07	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.086	3.087	-0.001	92	270405	5.00	5.49	
18 1,1-Dichloroethene	96	3.294	3.288	0.006	97	196539	5.00	5.07	
19 Acetone	43	3.324	3.324	0.000	93	271597	62.5	53.5	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.324	3.324	0.000	93	195619	5.00	4.83	
22 Iodomethane	142	3.464	3.465	-0.001	99	341101	5.00	4.36	
21 Isopropyl alcohol	45	3.513	3.489	0.024	29	22350	37.5	41.8	
24 Carbon disulfide	76	3.568	3.562	0.006	99	631098	5.00	4.80	
25 Methyl acetate	43	3.714	3.715	-0.001	26	59238	5.00	4.59	M
27 3-Chloro-1-propene	41	3.727	3.727	0.000	89	299797	5.00	4.85	
29 Methylene Chloride	84	3.897	3.897	0.000	92	211795	5.00	4.96	
* 30 t-Butyl alcohol-d10 (IS)	65	3.958	3.934	0.024	99	105730	50.0	50.0	
31 2-Methyl-2-propanol	59	4.056	4.068	-0.012	95	72202	50.0	53.2	
32 Acrylonitrile	53	4.233	4.233	0.000	97	142423	25.0	22.2	
33 Methyl tert-butyl ether	73	4.287	4.275	0.012	95	407551	5.00	4.80	
34 trans-1,2-Dichloroethene	96	4.287	4.275	0.012	98	224765	5.00	5.01	
35 Hexane	57	4.702	4.708	-0.006	94	269157	5.00	4.87	
37 1,1-Dichloroethane	63	4.946	4.934	0.012	96	419247	5.00	5.46	
38 Isopropyl ether	45	5.013	5.013	0.000	93	615326	5.00	5.03	
39 2-Chloro-1,3-butadiene	53	5.056	5.050	0.006	93	304200	5.00	5.03	
40 Tert-butyl ethyl ether	59	5.555	5.543	0.012	98	553195	5.00	4.91	
41 2-Butanone (MEK)	43	5.769	5.769	0.000	100	455273	62.5	59.2	
42 cis-1,2-Dichloroethene	96	5.787	5.781	0.006	83	248415	5.00	4.96	
43 2,2-Dichloropropane	77	5.793	5.793	0.000	87	358266	5.00	5.28	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
45 Propionitrile	54	5.866	5.860	0.006	96	61324	37.5	29.6	
48 Methacrylonitrile	67	6.068	6.068	0.000	92	291429	37.5	32.3	
49 Chlorobromomethane	128	6.116	6.110	0.006	93	98489	5.00	4.95	
50 Tetrahydrofuran	71	6.153	6.147	0.006	79	48398	25.0	21.7	
51 Chloroform	83	6.269	6.269	0.000	94	422368	5.00	5.30	
$ 52 Dibromofluoromethane (Surr)	113	6.488	6.482	0.006	93	549012	10.0	10.2	
53 1,1,1-Trichloroethane	97	6.494	6.501	-0.007	97	382147	5.00	5.41	
54 Cyclohexane	56	6.592	6.592	0.000	91	334499	5.00	5.01	
55 Carbon tetrachloride	117	6.708	6.708	0.000	96	333871	5.00	5.24	
56 1,1-Dichloropropene	75	6.714	6.714	0.000	95	310133	5.00	5.17	
58 Isobutyl alcohol	41	6.921	6.921	0.000	90	51061	125.0	137.0	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.945	6.940	0.005	89	99795	10.0	9.99	
60 Benzene	78	6.976	6.976	0.000	97	910318	5.00	5.04	
61 1,2-Dichloroethane	62	7.043	7.043	0.000	97	219943	5.00	5.22	
63 Tert-amyl methyl ether	73	7.183	7.177	0.006	98	451513	5.00	4.80	
* 64 Fluorobenzene (IS)	96	7.384	7.385	-0.001	98	2245191	10.0	10.0	
65 n-Heptane	43	7.409	7.409	0.000	95	295511	5.00	5.24	
67 n-Butanol	56	7.829	7.811	0.018	89	69457	250.0	203.2	
68 Trichloroethene	95	7.872	7.866	0.006	98	248187	5.00	5.02	
69 Methylcyclohexane	83	8.171	8.171	0.000	91	368868	5.00	4.90	
70 1,2-Dichloropropane	63	8.195	8.195	0.000	95	226863	5.00	5.32	
71 2-ethoxy-2-methyl butane	87	8.226	8.220	0.006	93	332922	5.00	4.90	
72 Methyl methacrylate	69	8.311	8.305	0.006	84	64785	5.00	4.04	
74 Dibromomethane	93	8.311	8.305	0.006	97	96206	5.00	5.14	
73 1,4-Dioxane	88	8.305	8.311	-0.006	29	15771	125.0	148.8	M
76 Dichlorobromomethane	83	8.549	8.549	0.000	99	273802	5.00	5.32	
77 2-Nitropropane	41	8.823	8.817	0.006	99	20941	5.00	4.02	
79 1-Bromo-2-chloroethane	63	8.945	8.939	0.006	99	202472	5.00	5.46	
81 cis-1,3-Dichloropropene	75	9.116	9.110	0.006	95	305100	5.00	4.89	
82 4-Methyl-2-pentanone (MIBK)	43	9.305	9.305	0.000	97	1172259	62.5	59.7	
$ 83 Toluene-d8 (Surr)	98	9.433	9.433	0.000	94	2298899	10.0	10.5	
84 Toluene	92	9.512	9.512	0.000	98	589878	5.00	4.97	
85 trans-1,3-Dichloropropene	75	9.792	9.787	0.005	94	239366	5.00	5.12	
86 Ethyl methacrylate	69	9.866	9.866	0.000	88	145442	5.00	5.02	
107 1,1,2-Trichloroethane	97	9.994	9.994	0.000	92	135355	5.00	5.01	
108 Tetrachloroethene	166	10.085	10.085	0.000	95	268138	5.00	4.68	
109 1,3-Dichloropropane	76	10.164	10.158	0.006	91	231678	5.00	5.23	
110 2-Hexanone	43	10.231	10.232	-0.001	97	741516	62.5	62.1	
112 Chlorodibromomethane	129	10.378	10.378	0.000	89	175264	5.00	5.15	
113 Ethylene Dibromide	107	10.494	10.488	0.006	98	124691	5.00	5.12	
* 114 Chlorobenzene-d5 (IS)	117	10.932	10.933	-0.001	86	1678518	10.0	10.0	
115 1-Chlorohexane	91	10.951	10.945	0.006	97	310102	5.00	4.79	
116 Chlorobenzene	112	10.957	10.957	0.000	95	679387	5.00	5.00	
117 1,1,1,2-Tetrachloroethane	131	11.042	11.042	0.000	95	238501	5.00	5.07	
118 Ethylbenzene	91	11.048	11.049	0.000	98	1185335	5.00	5.19	
120 m-Xylene & p-Xylene	106	11.170	11.164	0.006	100	900003	10.0	9.97	
121 o-Xylene	106	11.499	11.500	-0.001	97	442590	5.00	4.99	
122 Styrene	104	11.518	11.518	0.000	94	670238	5.00	5.05	
123 Bromoform	173	11.670	11.670	0.000	95	90467	5.00	4.99	
124 Isopropylbenzene	105	11.804	11.798	0.006	96	1186943	5.00	5.40	
$ 127 4-Bromofluorobenzene (Surr)	95	11.944	11.945	-0.001	89	788464	10.0	10.2	
128 1,1,2,2-Tetrachloroethane	83	12.048	12.048	0.000	96	152464	5.00	5.28	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
129 Bromobenzene	156	12.060	12.061	0.000	94	265603	5.00	4.91	
130 trans-1,4-Dichloro-2-butene	53	12.079	12.073	0.006	86	70567	25.0	8.60	
131 1,2,3-Trichloropropane	110	12.097	12.091	0.006	83	42234	5.00	5.47	
132 N-Propylbenzene	91	12.133	12.134	-0.001	99	1407949	5.00	5.45	
133 2-Chlorotoluene	126	12.207	12.207	0.000	96	282387	5.00	5.00	
134 1,3,5-Trimethylbenzene	105	12.268	12.268	0.000	93	1019924	5.00	5.27	
135 4-Chlorotoluene	126	12.304	12.298	0.006	97	291983	5.00	5.00	
136 tert-Butylbenzene	134	12.511	12.512	-0.001	93	209463	5.00	4.62	
138 1,2,4-Trimethylbenzene	105	12.554	12.554	0.000	98	1024123	5.00	5.23	
139 sec-Butylbenzene	105	12.676	12.670	0.006	95	1317331	5.00	5.30	
140 1,3-Dichlorobenzene	146	12.774	12.768	0.006	98	558537	5.00	5.01	
141 4-Isopropyltoluene	119	12.780	12.780	0.000	97	1134143	5.00	5.11	
* 142 1,4-Dichlorobenzene-d4	152	12.822	12.823	-0.001	95	907057	10.0	10.0	
143 1,4-Dichlorobenzene	146	12.841	12.841	0.000	95	563401	5.00	4.79	
144 1,2,3-Trimethylbenzene	120	12.853	12.853	0.000	98	433116	5.00	4.93	
145 Benzyl chloride	126	12.926	12.920	0.006	99	60511	5.00	5.02	
146 p-Diethylbenzene	119	13.054	13.054	0.000	94	705753	5.00	5.22	
147 n-Butylbenzene	92	13.072	13.073	0.000	97	570566	5.00	5.51	
148 1,2-Dichlorobenzene	146	13.103	13.103	0.000	98	485859	5.00	5.02	
150 1,2-Dibromo-3-Chloropropane	155	13.645	13.646	-0.001	87	18832	5.00	3.54	
151 1,3,5-Trichlorobenzene	180	13.767	13.767	0.000	97	471131	5.00	4.85	
152 1,2,4-Trichlorobenzene	180	14.188	14.188	0.000	94	371172	5.00	4.62	
153 Hexachlorobutadiene	225	14.267	14.267	0.000	98	210196	5.00	4.71	
154 Naphthalene	128	14.365	14.365	0.000	97	477096	5.00	4.55	
155 1,2,3-Trichlorobenzene	180	14.505	14.505	0.000	96	292383	5.00	4.38	
156 2-Methylnaphthalene	142	15.102	15.097	0.006	92	251154	5.00	4.45	
167 Pentane	43	2.812	2.806	0.006	96	312855	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Review Flags

M - Manually Integrated

Reagents:

MSV_LCS_VOC#1_00190	Amount Added: 12.50	Units: uL	
MSV_QC_Gas826_00227	Amount Added: 12.50	Units: uL	
MSV_HP25_ISSS_00101	Amount Added: 1.00	Units: uL	Run Reagent

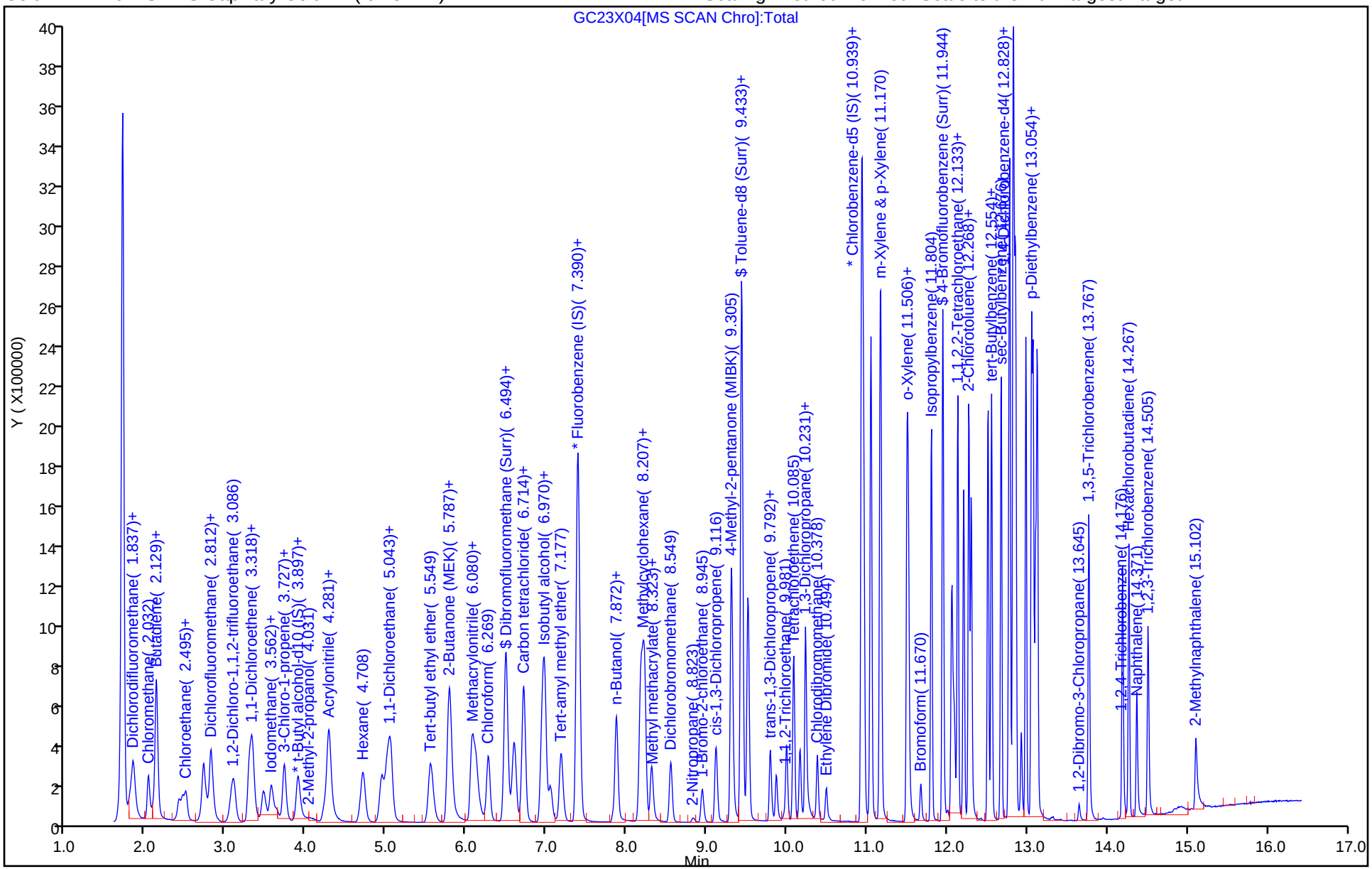
Report Date: 23-Oct-2024 12:33:18 Chrom Revision: 2.3 17-Oct-2024 11:42:22

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\16334\20241023-128543.b\GC23X04.D

Injection Date:	23-Oct-2024 10:43:30	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\20241023-128543.b\GC23X04.D
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 23-Oct-2024 10:43:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0128543-005
Misc. Info.: LCSD
Operator ID: ecr105096 Instrument ID: 16334

Method: \\chromfs\Lancaster\ChromData\16334\20241023-128543.b\MSV_16334_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 23-Oct-2024 12:33:00 Calib Date: 26-Aug-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\16334\20240826-123245.b\GG26X08.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1690

First Level Reviewer: N7YK Date: 23-Oct-2024 11:08:10

Compound	Amount Added	Amount Recovered	% Rec.
$ 52 Dibromofluoromethane (Surr)	10.0	10.2	102.06
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	9.99	99.85
$ 83 Toluene-d8 (Surr)	10.0	10.5	104.65
$ 127 4-Bromofluorobenzene (Surr)	10.0	10.2	102.15

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

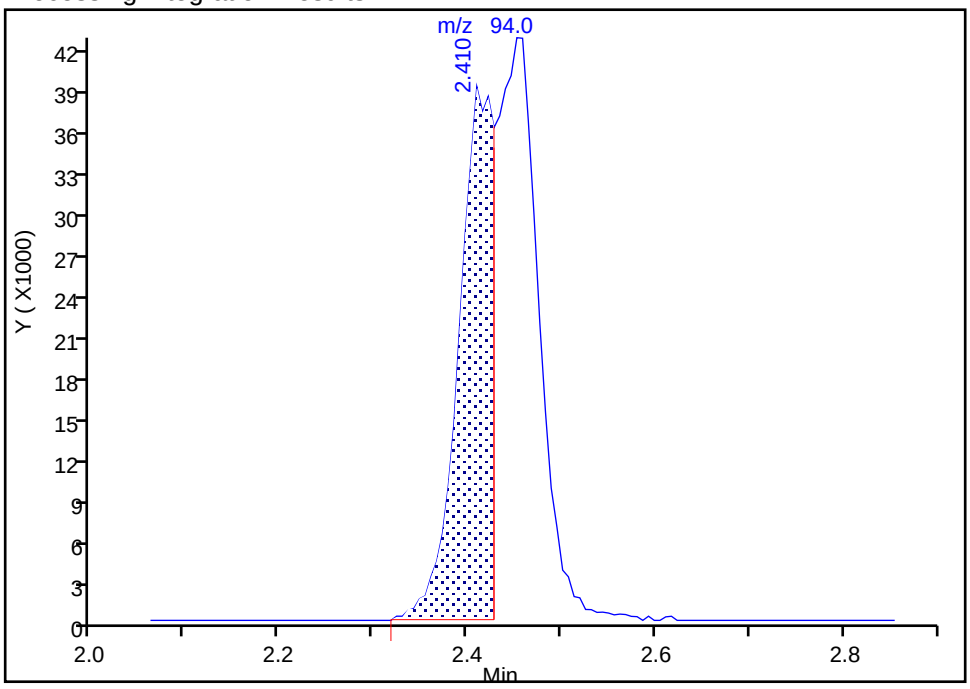
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Injection Date:	23-Oct-2024 10:43:30	Instrument ID:	16334		
Lims ID:	LCSD				
Client ID:					
Operator ID:	ecr105096	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_16334_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

9 Bromomethane, CAS: 74-83-9

Signal: 1

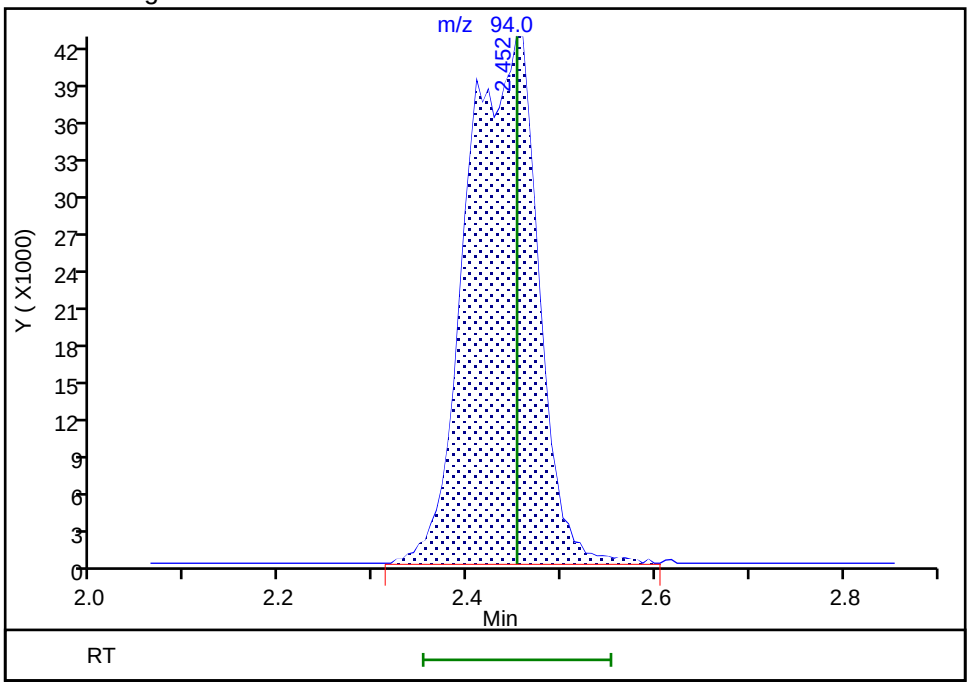
Processing Integration Results

RT: 2.41
Area: 101676
Amount: 2.413949
Amount Units: ug/l



Manual Integration Results

RT: 2.45
Area: 224678
Amount: 5.334211
Amount Units: ug/l



Reviewer: N7YK, 23-Oct-2024 11:07:56 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-193020-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCSD 410-569353/6

Matrix: Water
Lab File ID: HC30X05.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 25(mL)
Date Analyzed: 10/30/2024 09:59

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 569353
Units: ug/L

Preparation Batch No.:
Instrument ID: 19094

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	5.36		0.50	0.070
71-55-6	1,1,1-Trichloroethane	5.84		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	4.71		0.50	0.10
79-00-5	1,1,2-Trichloroethane	5.02		0.50	0.080
75-34-3	1,1-Dichloroethane	5.73		0.50	0.10
75-35-4	1,1-Dichloroethene	6.06		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	5.07		0.50	0.080
107-06-2	1,2-Dichloroethane	5.60		0.50	0.070
78-87-5	1,2-Dichloropropane	5.43		0.50	0.10
78-93-3	2-Butanone (MEK)	61.5		5.0	1.0
591-78-6	2-Hexanone	61.9		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	58.7		5.0	1.0
67-64-1	Acetone	57.6		5.0	1.5
71-43-2	Benzene	5.39		0.50	0.10
74-97-5	Bromochloromethane	5.46		0.50	0.080
75-27-4	Bromodichloromethane	5.50		0.50	0.080
75-25-2	Bromoform	5.91		1.0	0.30
74-83-9	Bromomethane	5.47		0.50	0.10
75-15-0	Carbon disulfide	5.32		1.0	0.10
56-23-5	Carbon tetrachloride	6.19		0.50	0.10
108-90-7	Chlorobenzene	5.34		0.50	0.070
75-00-3	Chloroethane	5.40		0.50	0.10
67-66-3	Chloroform	5.62		0.50	0.090
74-87-3	Chloromethane	4.95		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	5.51		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	5.24		0.50	0.10
124-48-1	Dibromochloromethane	5.52		0.50	0.080
100-41-4	Ethylbenzene	5.24		0.50	0.080
1634-04-4	Methyl tert-butyl ether	5.01		0.50	0.080
75-09-2	Methylene Chloride	5.45		0.50	0.20
100-42-5	Styrene	5.14		0.50	0.070
127-18-4	Tetrachloroethene	5.43		0.50	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 410-569353/6

Matrix: Water Lab File ID: HC30X05.D

Analysis Method: 8260D Date Collected:

Sample wt/vol: 25(mL) Date Analyzed: 10/30/2024 09:59

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL) Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 569353 Units: ug/L

Preparation Batch No.: Instrument ID: 19094

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	5.19		0.50	0.080
156-60-5	trans-1,2-Dichloroethene	5.73		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	5.02		0.50	0.080
79-01-6	Trichloroethene	5.46		0.50	0.080
75-01-4	Vinyl chloride	5.25		0.50	0.10
1330-20-7	Xylenes, Total	15.9		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		80-120
460-00-4	4-Bromofluorobenzene (Surr)	100		80-120
1868-53-7	Dibromofluoromethane (Surr)	103		80-120
2037-26-5	Toluene-d8 (Surr)	98		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20241030-129201.b\HC30X05.D
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 30-Oct-2024 09:59:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0129201-006
Misc. Info.: LCSD
Operator ID: ecr105096 Instrument ID: 19094

Method: \\chromfs\Lancaster\ChromData\19094\20241030-129201.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 30-Oct-2024 11:53:15 Calib Date: 15-Oct-2024 00:00:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1681

First Level Reviewer: N7YK Date: 30-Oct-2024 10:29:57

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.849	1.855	-0.006	99	241546	5.00	5.75	
5 Chloromethane	50	2.032	2.038	-0.006	99	309998	5.00	4.95	
7 Butadiene	39	2.136	2.142	-0.006	97	363695	5.00	6.28	
6 Vinyl chloride	62	2.142	2.148	-0.006	98	283236	5.00	5.25	
9 Bromomethane	94	2.446	2.453	-0.007	91	211962	5.00	5.47	
10 Chloroethane	64	2.513	2.520	-0.007	100	187265	5.00	5.40	
11 Dichlorofluoromethane	67	2.733	2.739	-0.006	97	480060	5.00	5.41	
12 Trichlorofluoromethane	101	2.806	2.812	-0.006	98	363899	5.00	6.14	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.093	3.099	-0.006	94	277800	5.00	5.56	
17 1,1-Dichloroethene	96	3.300	3.306	-0.006	98	202361	5.00	6.06	
19 Acetone	43	3.337	3.330	0.006	100	325399	62.5	57.6	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.343	3.343	0.000	89	191302	5.00	6.18	
21 Iodomethane	142	3.483	3.489	-0.006	99	352853	5.00	5.16	
23 Carbon disulfide	76	3.586	3.593	-0.007	99	564384	5.00	5.32	
24 Methyl acetate	43	3.727	3.721	0.006	25	68327	5.00	4.42	M
26 3-Chloro-1-propene	41	3.733	3.739	-0.006	91	359511	5.00	5.13	
27 Methylene Chloride	84	3.910	3.910	0.000	94	218276	5.00	5.45	
* 28 t-Butyl alcohol-d10 (IS)	65	3.922	3.928	-0.006	98	101398	50.0	50.0	
29 2-Methyl-2-propanol	59	4.031	4.038	-0.007	99	88000	50.0	50.5	
31 Acrylonitrile	53	4.220	4.227	-0.007	100	171610	25.0	23.2	
32 Methyl tert-butyl ether	73	4.288	4.294	-0.006	96	466404	5.00	5.01	
33 trans-1,2-Dichloroethene	96	4.294	4.300	-0.006	98	223511	5.00	5.73	
34 Hexane	57	4.720	4.727	-0.006	94	296502	5.00	5.72	
36 1,1-Dichloroethane	63	4.952	4.958	-0.006	96	439058	5.00	5.73	
37 Isopropyl ether	45	5.013	5.019	-0.006	96	704864	5.00	5.08	
38 2-Chloro-1,3-butadiene	53	5.068	5.074	-0.006	91	338102	5.00	5.31	
40 Tert-butyl ethyl ether	59	5.556	5.562	-0.006	99	626593	5.00	4.96	
41 2-Butanone (MEK)	43	5.763	5.769	-0.006	100	602886	62.5	61.5	
42 cis-1,2-Dichloroethene	96	5.793	5.799	-0.006	83	250746	5.00	5.51	
43 2,2-Dichloropropane	77	5.806	5.812	-0.006	89	361353	5.00	5.68	
44 Propionitrile	54	5.867	5.860	0.006	98	79265	37.5	29.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
47 Methacrylonitrile	67	6.062	6.068	-0.006	93	375377	37.5	35.1	
48 Chlorobromomethane	128	6.135	6.141	-0.006	96	100917	5.00	5.46	
49 Tetrahydrofuran	71	6.153	6.153	0.000	80	64021	25.0	23.3	
50 Chloroform	83	6.287	6.287	0.000	93	405053	5.00	5.62	
$ 52 Dibromofluoromethane (Surr)	113	6.507	6.507	0.000	94	460500	10.0	10.3	
53 1,1,1-Trichloroethane	97	6.519	6.519	0.000	98	358213	5.00	5.84	
54 Cyclohexane	56	6.622	6.629	-0.007	92	386191	5.00	5.78	
56 Carbon tetrachloride	117	6.738	6.738	0.000	89	316582	5.00	6.19	
55 1,1-Dichloropropene	75	6.738	6.738	0.000	94	317484	5.00	5.52	
57 Isobutyl alcohol	41	6.897	6.903	-0.006	93	72596	125.0	112.9	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.964	6.964	0.000	85	92715	10.0	10.2	
59 Benzene	78	7.000	7.000	0.000	97	952486	5.00	5.39	
60 1,2-Dichloroethane	62	7.067	7.080	-0.013	97	232573	5.00	5.60	
63 Tert-amyl methyl ether	73	7.202	7.208	-0.006	98	524769	5.00	5.00	
* 64 Fluorobenzene (IS)	96	7.409	7.415	-0.006	98	1919656	10.0	10.0	
65 n-Heptane	43	7.433	7.439	-0.006	95	317851	5.00	6.24	
67 n-Butanol	56	7.811	7.799	0.012	89	121121	250.0	271.6	
68 Trichloroethene	95	7.903	7.903	0.000	98	241526	5.00	5.46	
69 Methylcyclohexane	83	8.214	8.220	-0.006	93	385751	5.00	6.05	
70 1,2-Dichloropropane	63	8.232	8.238	-0.006	97	243136	5.00	5.43	
71 2-ethoxy-2-methyl butane	87	8.256	8.256	0.000	93	342722	5.00	5.16	
72 Methyl methacrylate	69	8.336	8.336	0.000	93	88755	5.00	4.40	
73 1,4-Dioxane	88	8.342	8.342	0.000	31	14698	125.0	185.1	
74 Dibromomethane	93	8.348	8.348	0.000	94	102402	5.00	5.46	
76 Dichlorobromomethane	83	8.592	8.592	0.000	99	273846	5.00	5.50	
77 2-Nitropropane	41	8.860	8.860	0.000	97	25036	5.00	3.81	
79 1-Bromo-2-chloroethane	63	8.988	8.994	-0.006	99	233262	5.00	5.67	
80 cis-1,3-Dichloropropene	75	9.159	9.159	0.000	95	330048	5.00	5.24	
82 4-Methyl-2-pentanone (MIBK)	43	9.341	9.341	0.000	97	1582928	62.5	58.7	
$ 83 Toluene-d8 (Surr)	98	9.482	9.488	-0.006	94	1943131	10.0	9.75	
84 Toluene	92	9.561	9.561	0.000	97	594186	5.00	5.19	
85 trans-1,3-Dichloropropene	75	9.835	9.835	0.000	94	264032	5.00	5.02	
104 Ethyl methacrylate	69	9.908	9.908	0.000	91	194638	5.00	4.61	
106 1,1,2-Trichloroethane	97	10.049	10.049	0.000	90	145553	5.00	5.02	
107 Tetrachloroethene	166	10.140	10.140	0.000	98	280505	5.00	5.43	
108 1,3-Dichloropropane	76	10.213	10.213	0.000	92	257971	5.00	5.07	
109 2-Hexanone	43	10.274	10.274	0.000	98	1070181	62.5	61.9	
111 Chlorodibromomethane	129	10.439	10.439	0.000	90	190226	5.00	5.52	
112 Ethylene Dibromide	107	10.549	10.549	-0.001	99	134172	5.00	5.07	
* 113 Chlorobenzene-d5 (IS)	117	10.994	10.994	0.000	85	1453902	10.0	10.0	
114 1-Chlorohexane	91	11.006	11.012	-0.006	98	322456	5.00	4.96	
115 Chlorobenzene	112	11.018	11.024	-0.006	95	659484	5.00	5.34	
116 1,1,1,2-Tetrachloroethane	131	11.103	11.109	-0.006	97	229292	5.00	5.36	
117 Ethylbenzene	91	11.109	11.109	0.000	99	1166232	5.00	5.24	
119 m-Xylene & p-Xylene	106	11.231	11.231	0.000	99	915567	10.0	10.6	
120 o-Xylene	106	11.561	11.567	-0.007	97	441890	5.00	5.28	
121 Styrene	104	11.579	11.579	0.000	94	697826	5.00	5.14	
122 Bromoform	173	11.737	11.737	0.000	98	113133	5.00	5.91	
123 Isopropylbenzene	105	11.871	11.871	0.000	96	1197880	5.00	6.07	
$ 126 4-Bromofluorobenzene (Surr)	95	12.018	12.018	0.000	93	713102	10.0	9.98	
127 1,1,2,2-Tetrachloroethane	83	12.115	12.115	0.000	93	173506	5.00	4.71	
128 Bromobenzene	156	12.134	12.127	0.007	97	266991	5.00	5.01	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
129 trans-1,4-Dichloro-2-butene	53	12.146	12.146	0.000	93	174866	25.0	19.3	
130 1,2,3-Trichloropropane	110	12.164	12.164	0.000	83	47326	5.00	5.29	
131 N-Propylbenzene	91	12.201	12.201	0.000	99	1408429	5.00	5.24	
132 2-Chlorotoluene	126	12.280	12.280	0.000	96	274797	5.00	5.22	
133 1,3,5-Trimethylbenzene	105	12.341	12.341	0.000	94	988378	5.00	5.23	
134 4-Chlorotoluene	126	12.371	12.371	0.000	97	279195	5.00	5.17	
135 tert-Butylbenzene	134	12.585	12.585	0.000	93	209258	5.00	4.86	
137 1,2,4-Trimethylbenzene	105	12.627	12.627	0.000	98	998170	5.00	5.18	
138 sec-Butylbenzene	105	12.749	12.749	0.000	94	1276945	5.00	5.29	
139 1,3-Dichlorobenzene	146	12.847	12.847	0.000	99	538629	5.00	5.15	
140 4-Isopropyltoluene	119	12.859	12.859	0.000	97	1096871	5.00	5.18	
* 141 1,4-Dichlorobenzene-d4	152	12.902	12.902	0.000	95	840911	10.0	10.0	
142 1,4-Dichlorobenzene	146	12.926	12.926	0.000	95	551973	5.00	5.17	
143 1,2,3-Trimethylbenzene	120	12.932	12.932	0.000	99	425120	5.00	4.88	
144 Benzyl chloride	126	12.999	12.999	0.000	99	76125	5.00	5.12	
145 p-Diethylbenzene	119	13.133	13.133	0.000	94	677009	5.00	5.31	
146 n-Butylbenzene	92	13.152	13.152	0.000	98	524980	5.00	5.37	
147 1,2-Dichlorobenzene	146	13.182	13.182	0.000	99	491312	5.00	5.26	
149 1,2-Dibromo-3-Chloropropane	155	13.731	13.731	0.000	88	25786	5.00	5.29	
150 1,3,5-Trichlorobenzene	180	13.859	13.853	0.006	98	422214	5.00	5.43	
151 1,2,4-Trichlorobenzene	180	14.279	14.280	-0.001	94	348577	5.00	5.22	
152 Hexachlorobutadiene	225	14.365	14.365	0.000	95	145171	5.00	5.39	
153 Naphthalene	128	14.456	14.456	0.000	97	587754	5.00	5.10	
154 1,2,3-Trichlorobenzene	180	14.603	14.603	0.000	96	296749	5.00	5.13	
157 Pentane	43		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

MSV_LCS_VOC#1_00191	Amount Added: 12.50	Units: uL	
MSV_QC_Gas826_00228	Amount Added: 12.50	Units: uL	
MSV_LLcentISS_00013	Amount Added: 5.00	Units: uL	Run Reagent

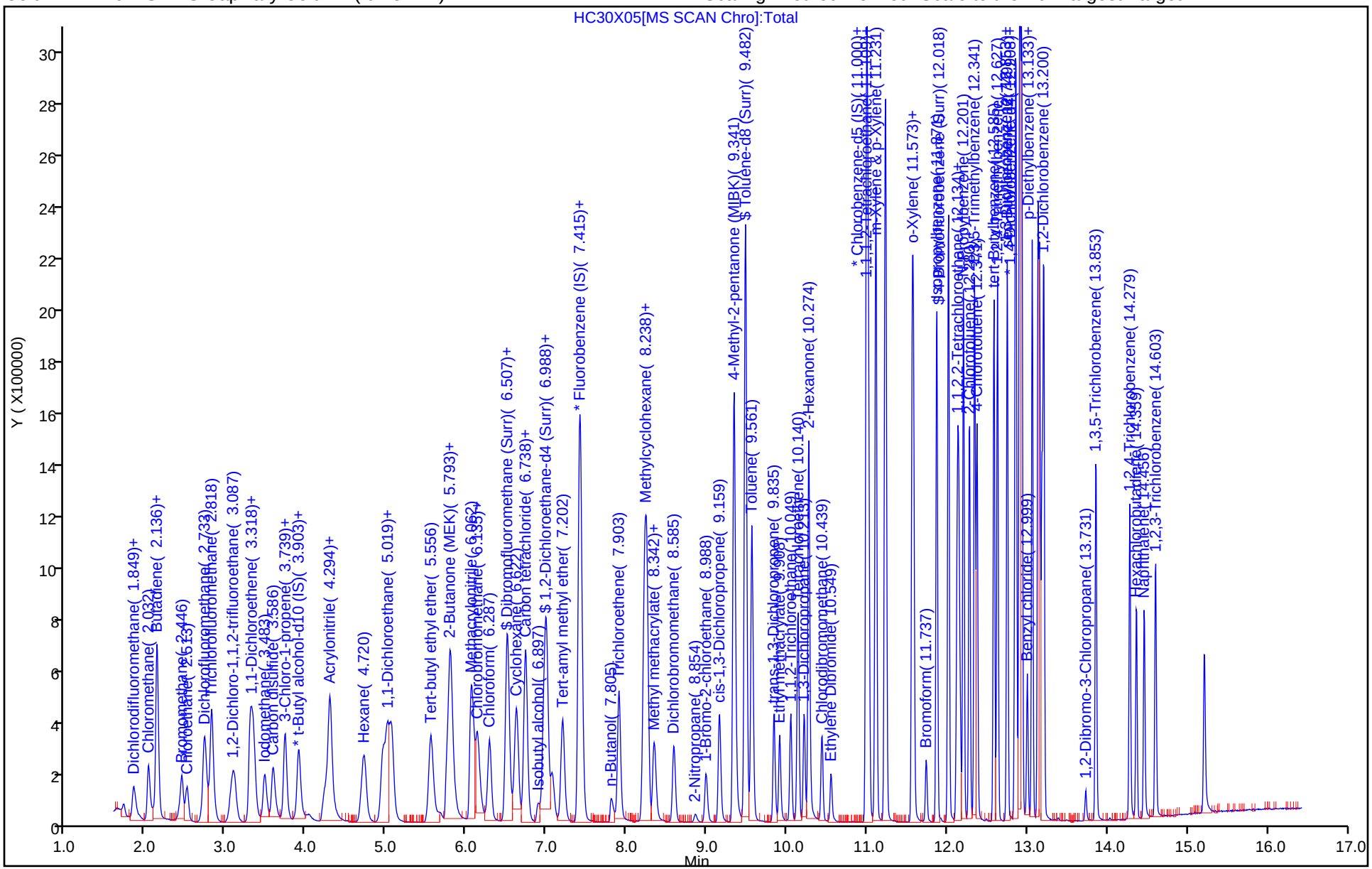
Report Date: 30-Oct-2024 11:53:32 Chrom Revision: 2.3 17-Oct-2024 11:42:22

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20241030-129201.b\HC30X05.D

Injection Date:	30-Oct-2024 09:59:30	Instrument ID:	19094	Operator ID:	ecr105096
Lims ID:	LCSD			Worklist Smp#:	6
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\19094\20241030-129201.b\HC30X05.D
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 30-Oct-2024 09:59:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0129201-006
Misc. Info.: LCSD
Operator ID: ecr105096 Instrument ID: 19094

Method: \\chromfs\Lancaster\ChromData\19094\20241030-129201.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 30-Oct-2024 11:53:15 Calib Date: 15-Oct-2024 00:00:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1681

First Level Reviewer: N7YK Date: 30-Oct-2024 10:29:57

Compound	Amount Added	Amount Recovered	% Rec.
$ 52 Dibromofluoromethane (Surr)	10.0	10.3	102.83
$ 58 1,2-Dichloroethane-d4 (Surr)	10.0	10.2	101.80
$ 83 Toluene-d8 (Surr)	10.0	9.75	97.50
$ 126 4-Bromofluorobenzene (Surr)	10.0	9.98	99.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Client Sample ID: HD-COD-SW-15-0/1-0 MS MS Lab Sample ID: 410-193020-6 MS

Matrix: Water Lab File ID: HC30X15.D

Analysis Method: 8260D Date Collected: 10/18/2024 11:10

Sample wt/vol: 25(mL) Date Analyzed: 10/30/2024 13:28

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL) Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 569353 Units: ug/L

Preparation Batch No.: Instrument ID: 19094

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	5.72		0.50	0.070
71-55-6	1,1,1-Trichloroethane	6.82		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	4.98		0.50	0.10
79-00-5	1,1,2-Trichloroethane	5.12		0.50	0.080
75-34-3	1,1-Dichloroethane	6.37		0.50	0.10
75-35-4	1,1-Dichloroethene	7.08		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	5.28		0.50	0.080
107-06-2	1,2-Dichloroethane	5.62		0.50	0.070
78-87-5	1,2-Dichloropropane	5.82		0.50	0.10
78-93-3	2-Butanone (MEK)	62.9		5.0	1.0
591-78-6	2-Hexanone	62.2		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	59.5		5.0	1.0
67-64-1	Acetone	59.0		5.0	1.5
71-43-2	Benzene	5.92		0.50	0.10
74-97-5	Bromochloromethane	5.51		0.50	0.080
75-27-4	Bromodichloromethane	5.84		0.50	0.080
75-25-2	Bromoform	5.75		1.0	0.30
74-83-9	Bromomethane	6.06		0.50	0.10
75-15-0	Carbon disulfide	6.15		1.0	0.10
56-23-5	Carbon tetrachloride	7.12		0.50	0.10
108-90-7	Chlorobenzene	5.79		0.50	0.070
75-00-3	Chloroethane	6.07		0.50	0.10
67-66-3	Chloroform	6.32		0.50	0.090
74-87-3	Chloromethane	5.75		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	6.78		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	5.45		0.50	0.10
124-48-1	Dibromochloromethane	5.54		0.50	0.080
100-41-4	Ethylbenzene	5.75		0.50	0.080
1634-04-4	Methyl tert-butyl ether	5.16		0.50	0.080
75-09-2	Methylene Chloride	5.76		0.50	0.20
100-42-5	Styrene	5.49		0.50	0.070
127-18-4	Tetrachloroethene	11.2		0.50	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Client Sample ID: HD-COD-SW-15-0/1-0 MS MS Lab Sample ID: 410-193020-6 MS

Matrix: Water Lab File ID: HC30X15.D

Analysis Method: 8260D Date Collected: 10/18/2024 11:10

Sample wt/vol: 25(mL) Date Analyzed: 10/30/2024 13:28

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL) Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 569353 Units: ug/L

Preparation Batch No.: Instrument ID: 19094

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	5.72		0.50	0.080
156-60-5	trans-1,2-Dichloroethene	6.40		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	5.30		0.50	0.080
79-01-6	Trichloroethene	7.14		0.50	0.080
75-01-4	Vinyl chloride	6.19		0.50	0.10
1330-20-7	Xylenes, Total	17.2		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		80-120
460-00-4	4-Bromofluorobenzene (Surr)	100		80-120
1868-53-7	Dibromofluoromethane (Surr)	103		80-120
2037-26-5	Toluene-d8 (Surr)	97		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20241030-129201.b\HC30X15.D
Lims ID: 410-193020-B-6 MS
Client ID: HD-COD-SW-15-0/1-0 MS
Sample Type: MS
Inject. Date: 30-Oct-2024 13:28:30 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0129201-016
Operator ID: ecr105096 Instrument ID: 19094

Method: \\chromfs\Lancaster\ChromData\19094\20241030-129201.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 31-Oct-2024 07:59:36 Calib Date: 15-Oct-2024 00:00:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1633

First Level Reviewer: FQ4L Date: 31-Oct-2024 07:59:36

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.855	1.855	0.000	99	281650	5.00	6.79	
5 Chloromethane	50	2.038	2.038	0.000	99	355451	5.00	5.75	
7 Butadiene	39	2.142	2.142	0.000	93	393559	5.00	6.88	
6 Vinyl chloride	62	2.148	2.148	0.000	97	329330	5.00	6.19	
9 Bromomethane	94	2.453	2.453	0.000	91	232181	5.00	6.06	
10 Chloroethane	64	2.520	2.520	0.000	100	208008	5.00	6.07	
11 Dichlorofluoromethane	67	2.733	2.739	-0.006	97	531548	5.00	6.06	
12 Trichlorofluoromethane	101	2.806	2.812	-0.006	96	422489	5.00	7.22	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.093	3.099	-0.006	95	315968	5.00	6.41	
17 1,1-Dichloroethene	96	3.306	3.306	0.000	97	233702	5.00	7.08	
19 Acetone	43	3.337	3.330	0.007	99	320509	62.6	59.0	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.343	3.343	0.000	92	222768	5.00	7.28	
21 Iodomethane	142	3.483	3.489	-0.006	99	385655	5.00	5.72	
23 Carbon disulfide	76	3.587	3.593	-0.006	99	644492	5.00	6.15	
24 Methyl acetate	43	3.727	3.721	0.006	32	66934	5.00	4.49	
26 3-Chloro-1-propene	41	3.739	3.739	0.000	92	394473	5.00	5.70	
27 Methylene Chloride	84	3.910	3.910	0.000	95	227636	5.00	5.76	
* 28 t-Butyl alcohol-d10 (IS)	65	3.916	3.928	-0.012	39	97601	50.0	50.0	
29 2-Methyl-2-propanol	59	4.038	4.038	0.000	99	84913	50.0	50.6	
31 Acrylonitrile	53	4.227	4.227	0.000	97	172514	25.0	24.2	
32 Methyl tert-butyl ether	73	4.294	4.294	0.000	95	473437	5.00	5.16	
33 trans-1,2-Dichloroethene	96	4.300	4.300	0.000	98	246353	5.00	6.40	
34 Hexane	57	4.733	4.727	0.007	93	343297	5.00	6.71	
36 1,1-Dichloroethane	63	4.958	4.958	0.000	96	482029	5.00	6.37	
37 Isopropyl ether	45	5.019	5.019	0.000	95	736554	5.00	5.37	
38 2-Chloro-1,3-butadiene	53	5.068	5.074	-0.006	91	385083	5.00	6.12	
40 Tert-butyl ethyl ether	59	5.562	5.562	0.000	98	644989	5.00	5.17	
41 2-Butanone (MEK)	43	5.763	5.769	-0.006	100	593985	62.6	62.9	
42 cis-1,2-Dichloroethene	96	5.793	5.799	-0.006	83	304714	5.00	6.78	
43 2,2-Dichloropropane	77	5.812	5.812	0.000	87	401549	5.00	6.39	
44 Propionitrile	54	5.879	5.860	0.019	96	68818	37.5	26.9	
47 Methacrylonitrile	67	6.074	6.068	0.006	94	353976	37.5	34.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
48 Chlorobromomethane	128	6.135	6.141	-0.006	97	100632	5.00	5.51	
49 Tetrahydrofuran	71	6.153	6.153	0.000	76	64306	25.0	24.3	
50 Chloroform	83	6.293	6.287	0.006	94	449298	5.00	6.32	
$ 52 Dibromofluoromethane (Surr)	113	6.507	6.507	0.000	94	454228	10.0	10.3	
53 1,1,1-Trichloroethane	97	6.519	6.519	0.000	99	412974	5.00	6.82	
54 Cyclohexane	56	6.623	6.629	-0.006	93	437788	5.00	6.64	
56 Carbon tetrachloride	117	6.744	6.738	0.006	90	359187	5.00	7.12	
55 1,1-Dichloropropene	75	6.738	6.738	0.000	95	359163	5.00	6.33	
57 Isobutyl alcohol	41	6.897	6.903	-0.006	93	63475	125.1	102.5	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.970	6.964	0.006	97	91864	10.0	10.2	
59 Benzene	78	7.001	7.000	0.000	97	1033842	5.00	5.92	
60 1,2-Dichloroethane	62	7.074	7.080	-0.006	97	230473	5.00	5.62	
63 Tert-amyl methyl ether	73	7.202	7.208	-0.006	98	527900	5.00	5.10	
* 64 Fluorobenzene (IS)	96	7.415	7.415	0.000	98	1895383	10.0	10.0	
65 n-Heptane	43	7.433	7.439	-0.006	93	354269	5.00	7.04	
67 n-Butanol	56	7.805	7.799	0.006	88	116227	250.2	270.8	
68 Trichloroethene	95	7.903	7.903	0.000	98	311566	5.00	7.14	
69 Methylcyclohexane	83	8.220	8.220	0.000	92	435431	5.00	6.92	
70 1,2-Dichloropropane	63	8.238	8.238	0.000	86	257243	5.00	5.82	
71 2-ethoxy-2-methyl butane	87	8.256	8.256	0.000	91	356302	5.00	5.43	
72 Methyl methacrylate	69	8.336	8.336	0.000	91	85549	5.00	4.40	
73 1,4-Dioxane	88	8.348	8.342	0.006	31	13430	125.1	175.7	M
74 Dibromomethane	93	8.348	8.348	0.000	95	102358	5.00	5.53	
76 Dichlorobromomethane	83	8.592	8.592	0.000	99	287030	5.00	5.84	
77 2-Nitropropane	41	8.854	8.860	-0.006	98	24316	5.00	3.84	
79 1-Bromo-2-chloroethane	63	8.994	8.994	0.000	99	231069	5.00	5.69	
80 cis-1,3-Dichloropropene	75	9.159	9.159	0.000	95	338918	5.00	5.45	
82 4-Methyl-2-pentanone (MIBK)	43	9.342	9.341	0.001	97	1544988	62.6	59.5	
$ 83 Toluene-d8 (Surr)	98	9.482	9.488	-0.006	93	1913814	10.0	9.70	
84 Toluene	92	9.561	9.561	0.000	98	648142	5.00	5.72	
85 trans-1,3-Dichloropropene	75	9.841	9.835	0.006	94	276288	5.00	5.30	
104 Ethyl methacrylate	69	9.908	9.908	0.000	91	190688	5.00	4.56	
106 1,1,2-Trichloroethane	97	10.049	10.049	0.000	91	147043	5.00	5.12	
107 Tetrachloroethene	166	10.140	10.140	0.000	98	574160	5.00	11.2	
108 1,3-Dichloropropane	76	10.213	10.213	0.000	92	260740	5.00	5.18	
109 2-Hexanone	43	10.274	10.274	0.000	97	1034100	62.6	62.2	
111 Chlorodibromomethane	129	10.439	10.439	0.000	90	188879	5.00	5.54	
112 Ethylene Dibromide	107	10.549	10.549	0.000	97	138157	5.00	5.28	
* 113 Chlorobenzene-d5 (IS)	117	10.994	10.994	0.000	86	1438797	10.0	10.0	
114 1-Chlorohexane	91	11.006	11.012	-0.006	99	367153	5.00	5.71	
115 Chlorobenzene	112	11.018	11.024	-0.006	94	707053	5.00	5.79	
116 1,1,1,2-Tetrachloroethane	131	11.109	11.109	0.000	96	242251	5.00	5.72	
117 Ethylbenzene	91	11.109	11.109	0.000	99	1265814	5.00	5.75	
119 m-Xylene & p-Xylene	106	11.231	11.231	0.000	100	982548	10.0	11.5	
120 o-Xylene	106	11.567	11.567	0.000	97	471656	5.00	5.69	
121 Styrene	104	11.579	11.579	0.000	94	738225	5.00	5.49	
122 Bromoform	173	11.737	11.737	0.000	98	108939	5.00	5.75	
123 Isopropylbenzene	105	11.872	11.871	0.001	96	1304755	5.00	6.68	
$ 126 4-Bromofluorobenzene (Surr)	95	12.018	12.018	0.000	92	703996	10.0	9.95	
127 1,1,2,2-Tetrachloroethane	83	12.115	12.115	0.000	93	177138	5.00	4.98	
128 Bromobenzene	156	12.134	12.127	0.007	97	283207	5.00	5.50	
129 trans-1,4-Dichloro-2-butene	53	12.146	12.146	0.000	95	187967	25.0	21.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
130 1,2,3-Trichloropropane	110	12.164	12.164	0.000	82	43587	5.00	5.04	
131 N-Propylbenzene	91	12.201	12.201	0.000	99	1545662	5.00	5.96	
132 2-Chlorotoluene	126	12.280	12.280	0.000	97	296434	5.00	5.82	
133 1,3,5-Trimethylbenzene	105	12.341	12.341	0.000	94	1063763	5.00	5.82	
134 4-Chlorotoluene	126	12.371	12.371	0.000	98	297040	5.00	5.70	
135 tert-Butylbenzene	134	12.585	12.585	0.000	93	224772	5.00	5.41	
137 1,2,4-Trimethylbenzene	105	12.627	12.627	0.000	97	1064384	5.00	5.72	
138 sec-Butylbenzene	105	12.749	12.749	0.000	94	1389997	5.00	5.96	
139 1,3-Dichlorobenzene	146	12.847	12.847	0.000	99	573506	5.00	5.67	
140 4-Isopropyltoluene	119	12.859	12.859	0.000	98	1206267	5.00	5.89	
* 141 1,4-Dichlorobenzene-d4	152	12.902	12.902	0.000	95	812345	10.0	10.0	
142 1,4-Dichlorobenzene	146	12.926	12.926	0.000	95	571209	5.00	5.53	
143 1,2,3-Trimethylbenzene	120	12.932	12.932	0.000	98	450575	5.00	5.36	
144 Benzyl chloride	126	12.999	12.999	0.000	99	75573	5.00	5.26	
145 p-Diethylbenzene	119	13.133	13.133	0.000	94	725442	5.00	5.89	
146 n-Butylbenzene	92	13.152	13.152	0.000	98	567109	5.00	6.00	
147 1,2-Dichlorobenzene	146	13.182	13.182	0.000	99	513199	5.00	5.69	
149 1,2-Dibromo-3-Chloropropane	155	13.731	13.731	0.000	87	23427	5.00	4.97	
150 1,3,5-Trichlorobenzene	180	13.859	13.853	0.006	98	444179	5.00	5.92	
151 1,2,4-Trichlorobenzene	180	14.280	14.280	0.000	94	363474	5.00	5.64	
152 Hexachlorobutadiene	225	14.365	14.365	0.000	94	159105	5.00	6.11	
153 Naphthalene	128	14.456	14.456	0.000	97	572423	5.00	5.15	
154 1,2,3-Trichlorobenzene	180	14.603	14.603	0.000	95	301622	5.00	5.40	
157 Pentane	43		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

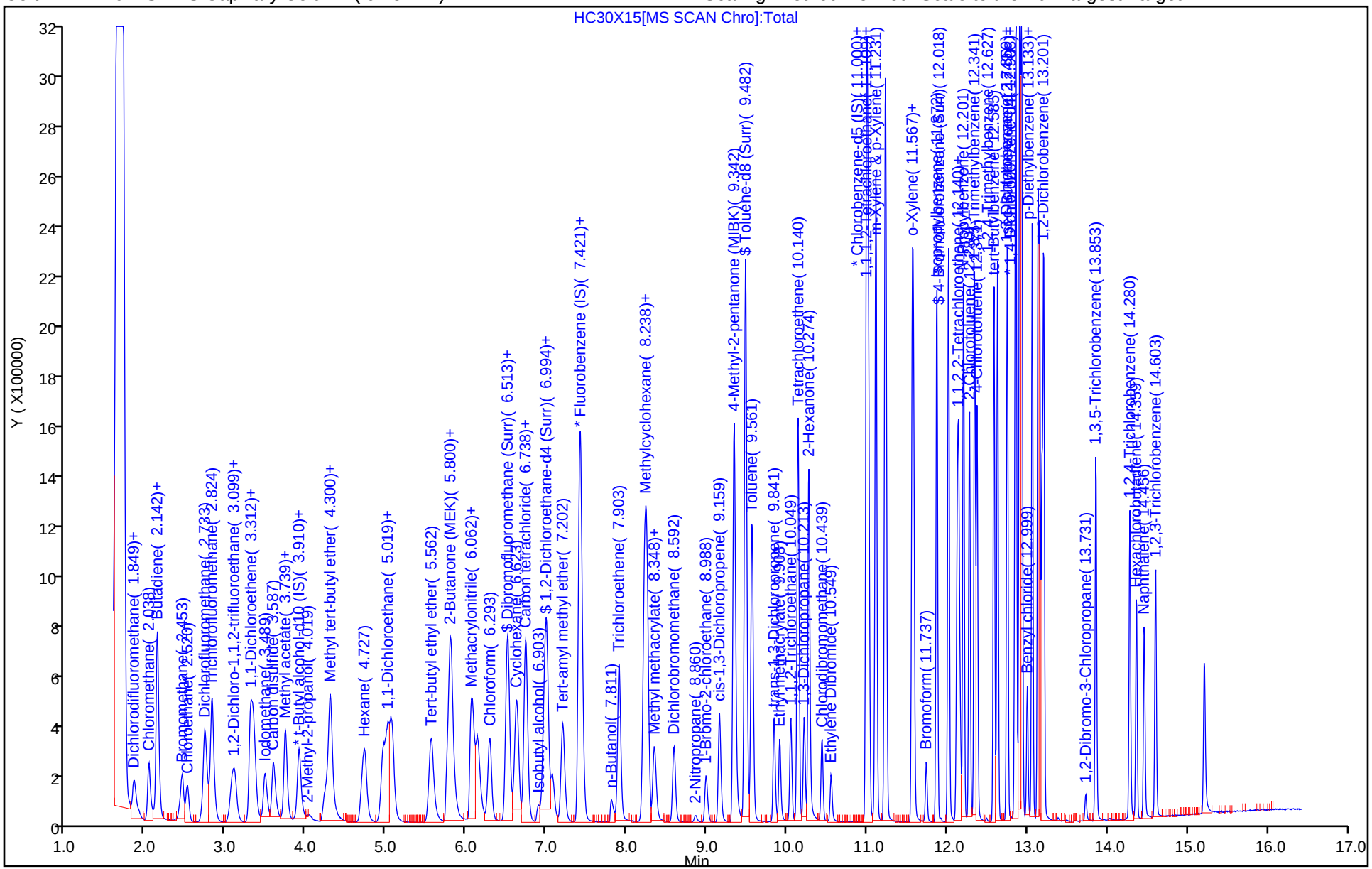
MSV_LCS_VOC#1_00191	Amount Added:	5.38	Units: uL	
MSV_QC_Gas826_00228	Amount Added:	5.38	Units: uL	
MSV_LLcentISS_00013	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 31-Oct-2024 07:59:37 Chrom Revision: 2.3 17-Oct-2024 11:42:22

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\19094\20241030-129201.b\HC30X15.D				
Injection Date:	30-Oct-2024 13:28:30	Instrument ID:	19094	Operator ID:	ecr105096
Lims ID:	410-193020-B-6 MS			Worklist Smp#:	16
Client ID:	HD-COD-SW-15-0/1-0 MS				
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\19094\20241030-129201.b\HC30X15.D				
Lims ID:	410-193020-B-6 MS				
Client ID:	HD-COD-SW-15-0/1-0 MS				
Sample Type:	MS				
Inject. Date:	30-Oct-2024 13:28:30	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0129201-016				
Operator ID:	ecr105096	Instrument ID:	19094		
Method:	\\chromfs\Lancaster\ChromData\19094\20241030-129201.b\MSV_19094_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	31-Oct-2024 07:59:36	Calib Date:	15-Oct-2024 00:00:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X18.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1633				

First Level Reviewer: FQ4L Date: 31-Oct-2024 07:59:36

Compound	Amount Added	Amount Recovered	% Rec.
$ 52 Dibromofluoromethane (Surr)	10.0	10.3	102.73
$ 58 1,2-Dichloroethane-d4 (Surr)	10.0	10.2	102.15
$ 83 Toluene-d8 (Surr)	10.0	9.70	97.04
$ 126 4-Bromofluorobenzene (Surr)	10.0	9.95	99.55

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-193020-1

SDG No.:

Client Sample ID: HD-COD-SW-15-0/1-0 MSD MSD
Lab Sample ID: 410-193020-6 MSD

Matrix: Water
Lab File ID: HC30X16.D

Analysis Method: 8260D
Date Collected: 10/18/2024 11:10

Sample wt/vol: 25(mL)
Date Analyzed: 10/30/2024 13:49

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 569353
Units: ug/L

Preparation Batch No.:
Instrument ID: 19094

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	5.71		0.50	0.070
71-55-6	1,1,1-Trichloroethane	6.92		0.50	0.080
79-34-5	1,1,2,2-Tetrachloroethane	5.11		0.50	0.10
79-00-5	1,1,2-Trichloroethane	5.23		0.50	0.080
75-34-3	1,1-Dichloroethane	6.41		0.50	0.10
75-35-4	1,1-Dichloroethene	7.22		0.50	0.10
106-93-4	1,2-Dibromoethane (EDB)	5.29		0.50	0.080
107-06-2	1,2-Dichloroethane	5.91		0.50	0.070
78-87-5	1,2-Dichloropropane	5.85		0.50	0.10
78-93-3	2-Butanone (MEK)	63.7		5.0	1.0
591-78-6	2-Hexanone	64.9		5.0	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	61.8		5.0	1.0
67-64-1	Acetone	61.6		5.0	1.5
71-43-2	Benzene	5.98		0.50	0.10
74-97-5	Bromochloromethane	5.80		0.50	0.080
75-27-4	Bromodichloromethane	5.97		0.50	0.080
75-25-2	Bromoform	5.98		1.0	0.30
74-83-9	Bromomethane	5.94		0.50	0.10
75-15-0	Carbon disulfide	6.14		1.0	0.10
56-23-5	Carbon tetrachloride	7.23		0.50	0.10
108-90-7	Chlorobenzene	5.67		0.50	0.070
75-00-3	Chloroethane	5.94		0.50	0.10
67-66-3	Chloroform	6.37		0.50	0.090
74-87-3	Chloromethane	5.62		0.50	0.10
156-59-2	cis-1,2-Dichloroethene	6.96		0.50	0.080
10061-01-5	cis-1,3-Dichloropropene	5.54		0.50	0.10
124-48-1	Dibromochloromethane	5.69		0.50	0.080
100-41-4	Ethylbenzene	5.80		0.50	0.080
1634-04-4	Methyl tert-butyl ether	5.29		0.50	0.080
75-09-2	Methylene Chloride	6.00		0.50	0.20
100-42-5	Styrene	5.44		0.50	0.070

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-193020-1

SDG No.:

Client Sample ID: HD-COD-SW-15-0/1-0 MSD MSD
Lab Sample ID: 410-193020-6 MSD

Matrix: Water
Lab File ID: HC30X16.D

Analysis Method: 8260D
Date Collected: 10/18/2024 11:10

Sample wt/vol: 25(mL)
Date Analyzed: 10/30/2024 13:49

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 569353
Units: ug/L

Preparation Batch No.:
Instrument ID: 19094

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
127-18-4	Tetrachloroethene	11.0		0.50	0.20
108-88-3	Toluene	5.72		0.50	0.080
156-60-5	trans-1,2-Dichloroethene	6.46		0.50	0.10
10061-02-6	trans-1,3-Dichloropropene	5.30		0.50	0.080
79-01-6	Trichloroethene	7.28		0.50	0.080
75-01-4	Vinyl chloride	6.13		0.50	0.10
1330-20-7	Xylenes, Total	17.2		1.0	0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		80-120
460-00-4	4-Bromofluorobenzene (Surr)	98		80-120
1868-53-7	Dibromofluoromethane (Surr)	104		80-120
2037-26-5	Toluene-d8 (Surr)	97		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19094\20241030-129201.b\HC30X16.D
Lims ID: 410-193020-B-6 MSD
Client ID: HD-COD-SW-15-0/1-0 MSD
Sample Type: MSD
Inject. Date: 30-Oct-2024 13:49:30 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0129201-017
Operator ID: ecr105096 Instrument ID: 19094

Method: \\chromfs\Lancaster\ChromData\19094\20241030-129201.b\MSV_19094_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 31-Oct-2024 07:59:36 Calib Date: 15-Oct-2024 00:00:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1633

First Level Reviewer: FQ4L Date: 31-Oct-2024 08:00:08

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.861	1.855	0.006	99	267150	5.00	6.50	
5 Chloromethane	50	2.038	2.038	0.000	99	344560	5.00	5.62	
7 Butadiene	39	2.148	2.142	0.006	94	376116	5.00	6.64	
6 Vinyl chloride	62	2.154	2.148	0.006	97	323302	5.00	6.13	
9 Bromomethane	94	2.459	2.453	0.006	92	225202	5.00	5.94	
10 Chloroethane	64	2.526	2.520	0.006	100	201397	5.00	5.94	
11 Dichlorofluoromethane	67	2.739	2.739	0.000	97	513586	5.00	5.91	
12 Trichlorofluoromethane	101	2.818	2.812	0.006	98	405082	5.00	6.98	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.099	3.099	0.000	93	300701	5.00	6.15	
17 1,1-Dichloroethene	96	3.312	3.306	0.006	98	236157	5.00	7.22	
19 Acetone	43	3.343	3.330	0.013	98	331463	62.6	61.6	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.349	3.343	0.006	92	224721	5.00	7.42	
21 Iodomethane	142	3.495	3.489	0.006	99	387173	5.00	5.79	
23 Carbon disulfide	76	3.599	3.593	0.006	99	637425	5.00	6.14	
24 Methyl acetate	43	3.733	3.721	0.012	32	67518	5.00	4.58	
26 3-Chloro-1-propene	41	3.745	3.739	0.006	92	397118	5.00	5.79	
27 Methylene Chloride	84	3.916	3.910	0.006	95	234868	5.00	6.00	
* 28 t-Butyl alcohol-d10 (IS)	65	3.934	3.928	0.006	91	96612	50.0	50.0	
29 2-Methyl-2-propanol	59	4.031	4.038	-0.007	99	89372	50.0	53.8	
31 Acrylonitrile	53	4.233	4.227	0.006	97	175374	25.0	24.9	
32 Methyl tert-butyl ether	73	4.294	4.294	0.000	97	481289	5.00	5.29	
33 trans-1,2-Dichloroethene	96	4.312	4.300	0.012	98	246561	5.00	6.46	
34 Hexane	57	4.733	4.727	0.007	93	342491	5.00	6.76	
36 1,1-Dichloroethane	63	4.964	4.958	0.006	96	480342	5.00	6.41	
37 Isopropyl ether	45	5.019	5.019	0.000	95	740580	5.00	5.45	
38 2-Chloro-1,3-butadiene	53	5.074	5.074	0.000	91	380592	5.00	6.11	
40 Tert-butyl ethyl ether	59	5.568	5.562	0.006	98	658135	5.00	5.32	
41 2-Butanone (MEK)	43	5.763	5.769	-0.006	100	594964	62.6	63.7	
42 cis-1,2-Dichloroethene	96	5.806	5.799	0.007	83	309928	5.00	6.96	
43 2,2-Dichloropropane	77	5.824	5.812	0.012	87	403567	5.00	6.48	
44 Propionitrile	54	5.879	5.860	0.019	97	79980	37.5	31.6	
47 Methacrylonitrile	67	6.074	6.068	0.006	92	373036	37.5	36.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
48 Chlorobromomethane	128	6.141	6.141	0.000	96	104995	5.00	5.80	
49 Tetrahydrofuran	71	6.153	6.153	0.000	78	67809	25.0	25.9	
50 Chloroform	83	6.293	6.287	0.006	94	448950	5.00	6.37	
$ 52 Dibromofluoromethane (Surr)	113	6.513	6.507	0.006	94	456960	10.0	10.4	
53 1,1,1-Trichloroethane	97	6.525	6.519	0.006	99	415170	5.00	6.92	
54 Cyclohexane	56	6.629	6.629	0.000	92	442449	5.00	6.77	
56 Carbon tetrachloride	117	6.744	6.738	0.006	89	361497	5.00	7.23	
55 1,1-Dichloropropene	75	6.744	6.738	0.006	95	363032	5.00	6.45	
57 Isobutyl alcohol	41	6.903	6.903	0.000	95	76013	125.1	124.0	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.976	6.964	0.012	97	89723	10.0	10.1	
59 Benzene	78	7.007	7.000	0.006	97	1035062	5.00	5.98	
60 1,2-Dichloroethane	62	7.080	7.080	0.000	97	240061	5.00	5.91	
63 Tert-amyl methyl ether	73	7.202	7.208	-0.006	98	537984	5.00	5.24	
* 64 Fluorobenzene (IS)	96	7.415	7.415	0.000	98	1878120	10.0	10.0	
65 n-Heptane	43	7.433	7.439	-0.006	94	364543	5.00	7.31	
67 n-Butanol	56	7.811	7.799	0.012	91	118965	250.2	280.0	
68 Trichloroethene	95	7.909	7.903	0.006	98	314902	5.00	7.28	
69 Methylcyclohexane	83	8.220	8.220	0.000	92	446140	5.00	7.15	
70 1,2-Dichloropropane	63	8.232	8.238	-0.006	86	256062	5.00	5.85	
71 2-ethoxy-2-methyl butane	87	8.262	8.256	0.006	92	351913	5.00	5.42	
72 Methyl methacrylate	69	8.336	8.336	0.000	92	91172	5.00	4.74	
73 1,4-Dioxane	88	8.342	8.342	0.000	31	13648	125.1	180.4	
74 Dibromomethane	93	8.354	8.348	0.006	94	106043	5.00	5.78	
76 Dichlorobromomethane	83	8.592	8.592	0.000	99	290839	5.00	5.97	
77 2-Nitropropane	41	8.854	8.860	-0.006	99	24824	5.00	3.96	
79 1-Bromo-2-chloroethane	63	8.988	8.994	-0.006	98	229056	5.00	5.69	
80 cis-1,3-Dichloropropene	75	9.159	9.159	0.000	95	341197	5.00	5.54	
82 4-Methyl-2-pentanone (MIBK)	43	9.341	9.341	0.000	98	1587553	62.6	61.8	
$ 83 Toluene-d8 (Surr)	98	9.482	9.488	-0.006	94	1913985	10.0	9.65	
84 Toluene	92	9.561	9.561	0.000	98	651741	5.00	5.72	
85 trans-1,3-Dichloropropene	75	9.841	9.835	0.006	94	277796	5.00	5.30	
104 Ethyl methacrylate	69	9.908	9.908	0.000	90	198204	5.00	4.72	
106 1,1,2-Trichloroethane	97	10.049	10.049	0.000	90	150738	5.00	5.23	
107 Tetrachloroethene	166	10.140	10.140	0.000	98	565612	5.00	11.0	
108 1,3-Dichloropropane	76	10.213	10.213	0.000	92	267941	5.00	5.30	
109 2-Hexanone	43	10.274	10.274	0.000	98	1069242	62.6	64.9	
111 Chlorodibromomethane	129	10.439	10.439	0.000	90	195166	5.00	5.69	
112 Ethylene Dibromide	107	10.555	10.549	0.006	100	139162	5.00	5.29	
* 113 Chlorobenzene-d5 (IS)	117	10.994	10.994	0.000	85	1446302	10.0	10.0	
114 1-Chlorohexane	91	11.006	11.012	-0.006	98	364772	5.00	5.64	
115 Chlorobenzene	112	11.024	11.024	0.000	94	696331	5.00	5.67	
116 1,1,1,2-Tetrachloroethane	131	11.109	11.109	0.000	96	243322	5.00	5.71	
117 Ethylbenzene	91	11.109	11.109	0.000	99	1283521	5.00	5.80	
119 m-Xylene & p-Xylene	106	11.231	11.231	0.000	99	994384	10.0	11.6	
120 o-Xylene	106	11.567	11.567	0.000	96	469890	5.00	5.64	
121 Styrene	104	11.579	11.579	0.000	95	736025	5.00	5.44	
122 Bromoform	173	11.737	11.737	0.000	98	113880	5.00	5.98	
123 Isopropylbenzene	105	11.871	11.871	0.000	96	1307275	5.00	6.65	
$ 126 4-Bromofluorobenzene (Surr)	95	12.018	12.018	0.000	94	698641	10.0	9.83	
127 1,1,2,2-Tetrachloroethane	83	12.115	12.115	0.000	93	184488	5.00	5.11	
128 Bromobenzene	156	12.134	12.127	0.007	97	286767	5.00	5.49	
129 trans-1,4-Dichloro-2-butene	53	12.146	12.146	0.000	92	196467	25.0	22.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
130 1,2,3-Trichloropropane	110	12.164	12.164	0.000	83	47038	5.00	5.36	
131 N-Propylbenzene	91	12.201	12.201	0.000	99	1542500	5.00	5.86	
132 2-Chlorotoluene	126	12.280	12.280	0.000	97	299559	5.00	5.80	
133 1,3,5-Trimethylbenzene	105	12.341	12.341	0.000	95	1076357	5.00	5.81	
134 4-Chlorotoluene	126	12.371	12.371	0.000	98	294666	5.00	5.57	
135 tert-Butylbenzene	134	12.585	12.585	0.000	93	228231	5.00	5.41	
137 1,2,4-Trimethylbenzene	105	12.627	12.627	0.000	97	1059766	5.00	5.61	
138 sec-Butylbenzene	105	12.749	12.749	0.000	94	1403714	5.00	5.93	
139 1,3-Dichlorobenzene	146	12.847	12.847	0.000	99	572526	5.00	5.58	
140 4-Isopropyltoluene	119	12.859	12.859	0.000	97	1207493	5.00	5.81	
* 141 1,4-Dichlorobenzene-d4	152	12.908	12.902	0.006	93	824669	10.0	10.0	
142 1,4-Dichlorobenzene	146	12.926	12.926	0.000	95	573477	5.00	5.47	
143 1,2,3-Trimethylbenzene	120	12.932	12.932	0.000	99	452379	5.00	5.30	
144 Benzyl chloride	126	12.999	12.999	0.000	99	76727	5.00	5.26	
145 p-Diethylbenzene	119	13.133	13.133	0.000	96	731532	5.00	5.85	
146 n-Butylbenzene	92	13.152	13.152	0.000	97	568815	5.00	5.93	
147 1,2-Dichlorobenzene	146	13.182	13.182	0.000	99	522325	5.00	5.70	
149 1,2-Dibromo-3-Chloropropane	155	13.731	13.731	0.000	85	24328	5.00	5.09	
150 1,3,5-Trichlorobenzene	180	13.859	13.853	0.006	98	448861	5.00	5.89	
151 1,2,4-Trichlorobenzene	180	14.279	14.280	-0.001	94	370687	5.00	5.67	
152 Hexachlorobutadiene	225	14.365	14.365	0.000	95	163757	5.00	6.20	
153 Naphthalene	128	14.456	14.456	0.000	97	593209	5.00	5.25	
154 1,2,3-Trichlorobenzene	180	14.603	14.603	0.000	95	311297	5.00	5.49	
157 Pentane	43		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

MSV_LCS_VOC#1_00191	Amount Added:	5.38	Units: uL	
MSV_QC_Gas826_00228	Amount Added:	5.38	Units: uL	
MSV_LLcentISS_00013	Amount Added:	5.00	Units: uL	Run Reagent

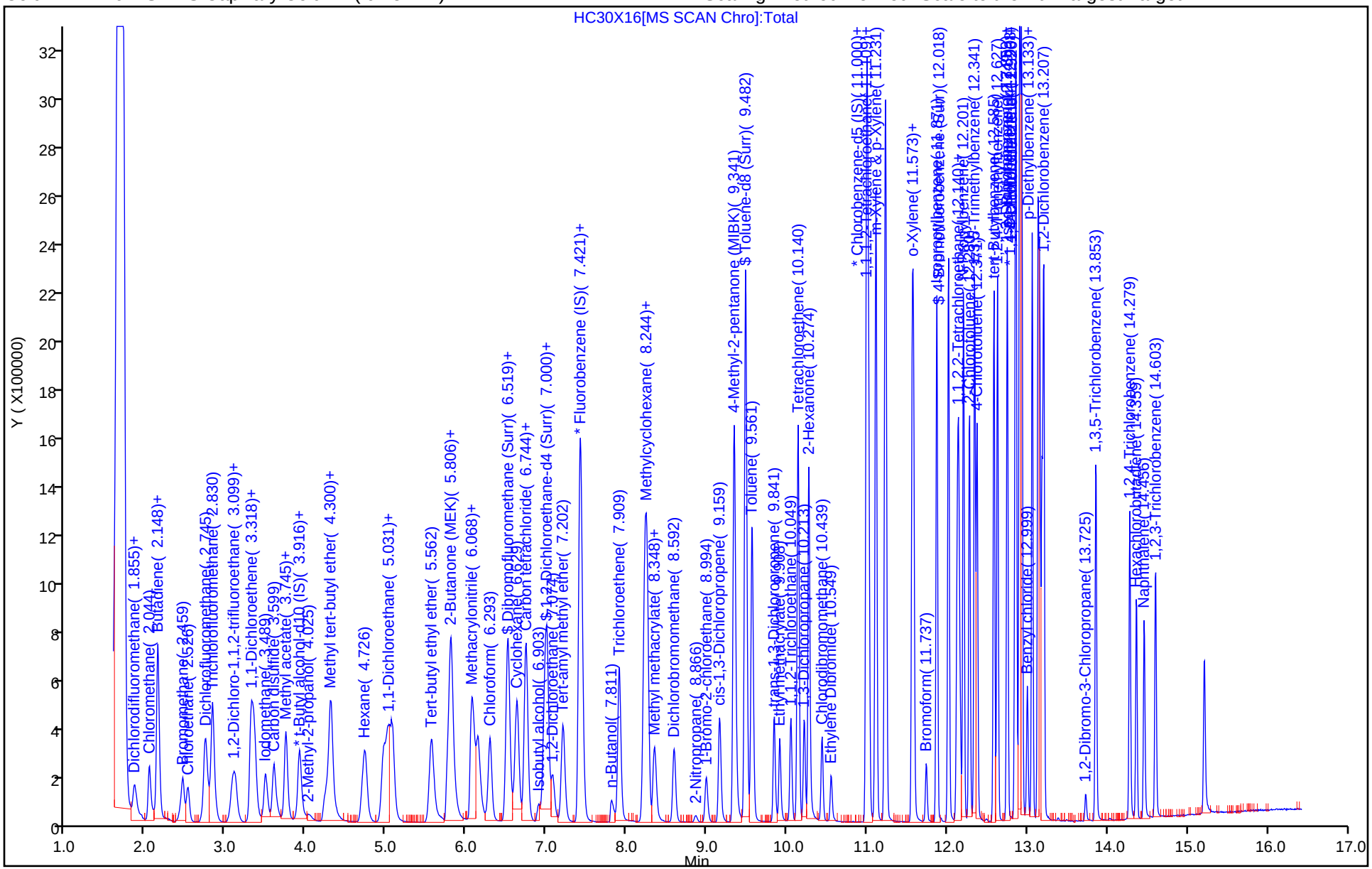
Report Date: 31-Oct-2024 08:00:09 Chrom Revision: 2.3 17-Oct-2024 11:42:22

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19094\20241030-129201.b\HC30X16.D

Injection Date:	30-Oct-2024 13:49:30	Instrument ID:	19094	Operator ID:	ecr105096
Lims ID:	410-193020-B-6 MSD			Worklist Smp#:	17
Client ID:	HD-COD-SW-15-0/1-0 MSD				
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	MSV_19094_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\19094\20241030-129201.b\HC30X16.D				
Lims ID:	410-193020-B-6 MSD				
Client ID:	HD-COD-SW-15-0/1-0 MSD				
Sample Type:	MSD				
Inject. Date:	30-Oct-2024 13:49:30	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0129201-017				
Operator ID:	ecr105096	Instrument ID:	19094		
Method:	\\chromfs\Lancaster\ChromData\19094\20241030-129201.b\MSV_19094_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	31-Oct-2024 07:59:36	Calib Date:	15-Oct-2024 00:00:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\19094\20241014-127661.b\HC14X18.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1633				

First Level Reviewer: FQ4L Date: 31-Oct-2024 08:00:08

Compound	Amount Added	Amount Recovered	% Rec.
$ 52 Dibromofluoromethane (Surr)	10.0	10.4	104.29
$ 58 1,2-Dichloroethane-d4 (Surr)	10.0	10.1	100.69
$ 83 Toluene-d8 (Surr)	10.0	9.65	96.54
$ 126 4-Bromofluorobenzene (Surr)	10.0	9.83	98.28

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Instrument ID: 10193 Start Date: 06/14/2024 17:48

Analysis Batch Number: 517601 End Date: 06/15/2024 03:23

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-517601/1		06/14/2024 17:48	1	CU14T01.D	R-624SilMS 30m 0.25(mm)
IC 410-517601/3		06/14/2024 18:42	1	CU14X02.D	R-624SilMS 30m 0.25(mm)
IC 410-517601/4		06/14/2024 19:05	1	CU14X03.D	R-624SilMS 30m 0.25(mm)
IC 410-517601/5		06/14/2024 19:27	1	CU14X04.D	R-624SilMS 30m 0.25(mm)
IC 410-517601/6		06/14/2024 19:50	1	CU14X05.D	R-624SilMS 30m 0.25(mm)
IC 410-517601/7		06/14/2024 20:13	1	CU14X06.D	R-624SilMS 30m 0.25(mm)
IC 410-517601/8		06/14/2024 20:35	1	CU14X07.D	R-624SilMS 30m 0.25(mm)
CCV 410-517601/1008		06/14/2024 20:35	1		R-624SilMS 30m 0.25(mm)
IC 410-517601/9		06/14/2024 20:58	1	CU14X08.D	R-624SilMS 30m 0.25(mm)
ICV 410-517601/11		06/14/2024 21:43	1		R-624SilMS 30m 0.25(mm)
IC 410-517601/13		06/14/2024 22:28	1	CU14X12.D	R-624SilMS 30m 0.25(mm)
IC 410-517601/14		06/14/2024 22:51	1	CU14X13.D	R-624SilMS 30m 0.25(mm)
IC 410-517601/15		06/14/2024 23:14	1	CU14X14.D	R-624SilMS 30m 0.25(mm)
IC 410-517601/16		06/14/2024 23:36	1	CU14X15.D	R-624SilMS 30m 0.25(mm)
IC 410-517601/17		06/14/2024 23:59	1	CU14X16.D	R-624SilMS 30m 0.25(mm)
ICIS 410-517601/18		06/15/2024 00:22	1	CU14X17.D	R-624SilMS 30m 0.25(mm)
ZZZZZ		06/15/2024 00:22	1		R-624SilMS 30m 0.25(mm)
IC 410-517601/19		06/15/2024 00:45	1	CU14X18.D	R-624SilMS 30m 0.25(mm)
ICV 410-517601/21		06/15/2024 01:30	1	CU14X20.D	R-624SilMS 30m 0.25(mm)
ZZZZZ (QC)		06/15/2024 02:15	1		R-624SilMS 30m 0.25(mm)
LODV 410-517601/24		06/15/2024 02:38	1		R-624SilMS 30m 0.25(mm)
LODV 410-517601/25		06/15/2024 03:00	1		R-624SilMS 30m 0.25(mm)
LODV 410-517601/26		06/15/2024 03:23	1		R-624SilMS 30m 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Instrument ID: 16334 Start Date: 08/26/2024 14:02

Analysis Batch Number: 544533 End Date: 08/26/2024 17:46

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-544533/1		08/26/2024 14:02	1	GG26T01.D	R-624SilMS 30m 0.25(mm)
IC 410-544533/13		08/26/2024 14:49	1	GG26X02.D	R-624SilMS 30m 0.25(mm)
IC 410-544533/14		08/26/2024 15:11	1	GG26X03.D	R-624SilMS 30m 0.25(mm)
IC 410-544533/15		08/26/2024 15:33	1	GG26X04.D	R-624SilMS 30m 0.25(mm)
IC 410-544533/16		08/26/2024 15:56	1	GG26X05.D	R-624SilMS 30m 0.25(mm)
IC 410-544533/17		08/26/2024 16:18	1	GG26X06.D	R-624SilMS 30m 0.25(mm)
ICIS 410-544533/18		08/26/2024 16:40	1	GG26X07.D	R-624SilMS 30m 0.25(mm)
IC 410-544533/19		08/26/2024 17:02	1	GG26X08.D	R-624SilMS 30m 0.25(mm)
ICV 410-544533/21		08/26/2024 17:46	1	GG26X10.D	R-624SilMS 30m 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Instrument ID: 19094 Start Date: 10/14/2024 17:46

Analysis Batch Number: 562891 End Date: 10/15/2024 00:42

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-562891/1		10/14/2024 17:46	1	HC14T01.D	R-624SilMS 30m 0.25(mm)
IC 410-562891/3		10/14/2024 18:22	1	HC14X02.D	R-624SilMS 30m 0.25(mm)
IC 410-562891/4		10/14/2024 18:44	1	HC14X03.D	R-624SilMS 30m 0.25(mm)
IC 410-562891/5		10/14/2024 19:05	1	HC14X04.D	R-624SilMS 30m 0.25(mm)
IC 410-562891/6		10/14/2024 19:26	1	HC14X05.D	R-624SilMS 30m 0.25(mm)
IC 410-562891/7		10/14/2024 19:47	1	HC14X06.D	R-624SilMS 30m 0.25(mm)
IC 410-562891/8		10/14/2024 20:08	1	HC14X07.D	R-624SilMS 30m 0.25(mm)
CCV 410-562891/1008		10/14/2024 20:08	1		R-624SilMS 30m 0.25(mm)
IC 410-562891/9		10/14/2024 20:29	1	HC14X08.D	R-624SilMS 30m 0.25(mm)
ICV 410-562891/11		10/14/2024 21:11	1		R-624SilMS 30m 0.25(mm)
IC 410-562891/13		10/14/2024 21:54	1	HC14X12.D	R-624SilMS 30m 0.25(mm)
IC 410-562891/14		10/14/2024 22:15	1	HC14X13.D	R-624SilMS 30m 0.25(mm)
IC 410-562891/15		10/14/2024 22:36	1	HC14X14.D	R-624SilMS 30m 0.25(mm)
IC 410-562891/16		10/14/2024 22:57	1	HC14X15.D	R-624SilMS 30m 0.25(mm)
IC 410-562891/17		10/14/2024 23:18	1	HC14X16.D	R-624SilMS 30m 0.25(mm)
ICIS 410-562891/18		10/14/2024 23:39	1	HC14X17.D	R-624SilMS 30m 0.25(mm)
CCVIS 410-562891/1018		10/14/2024 23:39	1		R-624SilMS 30m 0.25(mm)
IC 410-562891/19		10/15/2024 00:00	1	HC14X18.D	R-624SilMS 30m 0.25(mm)
ICV 410-562891/21		10/15/2024 00:42	1	HC14X20.D	R-624SilMS 30m 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Instrument ID: 16334 Start Date: 10/23/2024 09:22

Analysis Batch Number: 566703 End Date: 10/23/2024 17:20

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-566703/1		10/23/2024 09:22	1	GC23T01.D	R-624SilMS 30m 0.25(mm)
CCVIS 410-566703/3		10/23/2024 09:58	1	GC23X02.D	R-624SilMS 30m 0.25(mm)
LCS 410-566703/4		10/23/2024 10:21	1	GC23X03.D	R-624SilMS 30m 0.25(mm)
LCSD 410-566703/5		10/23/2024 10:43	1	GC23X04.D	R-624SilMS 30m 0.25(mm)
ZZZZZ (QC)		10/23/2024 11:05	1		R-624SilMS 30m 0.25(mm)
MB 410-566703/7		10/23/2024 11:27	1	GC23X06.D	R-624SilMS 30m 0.25(mm)
410-193020-14	HD-QC1-0/1-2	10/23/2024 11:49	1	GC23X07.D	R-624SilMS 30m 0.25(mm)
410-193020-13	HD-QC1-0/1-1	10/23/2024 12:11	1	GC23X08.D	R-624SilMS 30m 0.25(mm)
410-193020-1	HD-COD-SW-6-0/1-0	10/23/2024 12:33	1	GC23X09.D	R-624SilMS 30m 0.25(mm)
410-193020-2	HD-COD-SW-7-0/1-0	10/23/2024 12:55	1	GC23X10.D	R-624SilMS 30m 0.25(mm)
410-193020-3	HD-COD-SW-8-0/1-0	10/23/2024 13:17	1	GC23X11.D	R-624SilMS 30m 0.25(mm)
410-193020-4	HD-COD-SW-9-0/1-0	10/23/2024 13:40	1	GC23X12.D	R-624SilMS 30m 0.25(mm)
410-193020-5	HD-COD-SW-13-0/1-0	10/23/2024 14:02	1	GC23X13.D	R-624SilMS 30m 0.25(mm)
410-193020-6	HD-COD-SW-15-0/1-0	10/23/2024 14:24	1	GC23X14.D	R-624SilMS 30m 0.25(mm)
ZZZZZ (QC)		10/23/2024 14:46	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (QC)		10/23/2024 15:08	1		R-624SilMS 30m 0.25(mm)
410-193020-7	HD-COD-SW-16-0/1-0	10/23/2024 15:30	1	GC23X17.D	R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/23/2024 15:52	1		R-624SilMS 30m 0.25(mm)
410-193020-9	HD-COD-SW-26-0/1-0	10/23/2024 16:14	1	GC23X19.D	R-624SilMS 30m 0.25(mm)
410-193020-10	HD-COD-SW-27-0/1-0	10/23/2024 16:36	1	GC23X20.D	R-624SilMS 30m 0.25(mm)
410-193020-11	HD-COD-SW-28-0/1-0	10/23/2024 16:58	1	GC23X21.D	R-624SilMS 30m 0.25(mm)
410-193020-12	HD-COD-SW-29-0/1-0	10/23/2024 17:20	1	GC23X22.D	R-624SilMS 30m 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Instrument ID: 10193 Start Date: 10/29/2024 20:53

Analysis Batch Number: 569172 End Date: 10/30/2024 08:31

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-569172/1		10/29/2024 20:53	1	CC29T31.D	R-624SilMS 30m 0.25(mm)
CCVIS 410-569172/3		10/29/2024 21:31	1	CC29X32.D	R-624SilMS 30m 0.25(mm)
LCS 410-569172/4		10/29/2024 21:53	1	CC29X33.D	R-624SilMS 30m 0.25(mm)
ZZZZZ (QC)		10/29/2024 22:16	1		R-624SilMS 30m 0.25(mm)
MB 410-569172/6		10/29/2024 22:38	1	CC29X35.D	R-624SilMS 30m 0.25(mm)
410-193020-13 DL	HD-QC1-0/1-1 DL	10/29/2024 23:23	10	CC29X37.D	R-624SilMS 30m 0.25(mm)
410-193020-8	HD-COD-SW-17-0/1-0	10/29/2024 23:45	1	CC29X38.D	R-624SilMS 30m 0.25(mm)
410-193020-8 DL	HD-COD-SW-17-0/1-0 DL	10/30/2024 00:22	10	CC29X39.D	R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/30/2024 00:44	5		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/30/2024 01:06	5		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/30/2024 01:29	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/30/2024 01:51	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/30/2024 02:13	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/30/2024 02:35	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/30/2024 02:58	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/30/2024 03:20	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/30/2024 03:42	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/30/2024 04:05	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/30/2024 04:27	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (QC)		10/30/2024 04:49	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (QC)		10/30/2024 05:11	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/30/2024 05:34	10		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/30/2024 05:56	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/30/2024 06:18	20		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/30/2024 06:40	5		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/30/2024 07:02	50		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/30/2024 07:24	500		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/30/2024 07:47	5000		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/30/2024 08:09	500		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/30/2024 08:31	5000		R-624SilMS 30m 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-193020-1

SDG No.:

Instrument ID: 19094 Start Date: 10/30/2024 08:20

Analysis Batch Number: 569353 End Date: 10/30/2024 19:23

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-569353/1		10/30/2024 08:20	1	HC30T01.D	R-624SilMS 30m 0.25(mm)
CCVIS 410-569353/3		10/30/2024 08:56	1	HC30X02.D	R-624SilMS 30m 0.25(mm)
CCV 410-569353/4		10/30/2024 09:17	1		R-624SilMS 30m 0.25(mm)
LCS 410-569353/5		10/30/2024 09:38	1	HC30X04.D	R-624SilMS 30m 0.25(mm)
LCSD 410-569353/6		10/30/2024 09:59	1	HC30X05.D	R-624SilMS 30m 0.25(mm)
ZZZZZ (QC)		10/30/2024 10:20	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (QC)		10/30/2024 10:41	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (QC)		10/30/2024 11:02	1		R-624SilMS 30m 0.25(mm)
MB 410-569353/10		10/30/2024 11:23	1	HC30X09.D	R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/30/2024 11:44	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/30/2024 12:05	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/30/2024 12:26	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/30/2024 12:46	5		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/30/2024 13:07	10		R-624SilMS 30m 0.25(mm)
410-193020-6 MS	HD-COD-SW-15-0/1-0 MS MS	10/30/2024 13:28	1	HC30X15.D	R-624SilMS 30m 0.25(mm)
410-193020-6 MSD	HD-COD-SW-15-0/1-0 MSD MSD	10/30/2024 13:49	1	HC30X16.D	R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/30/2024 14:10	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/30/2024 14:31	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/30/2024 14:52	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/30/2024 15:13	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/30/2024 15:34	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/30/2024 15:55	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/30/2024 16:16	10		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/30/2024 16:36	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/30/2024 16:58	10		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/30/2024 17:18	2		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/30/2024 17:39	20		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/30/2024 18:00	5		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/30/2024 18:21	10		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/30/2024 18:42	100		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/30/2024 19:02	10		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		10/30/2024 19:23	100		R-624SilMS 30m 0.25(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-193020-1

SDG No.:

Batch Number: 517601 Batch Start Date: 06/14/24 17:48 Batch Analyst: Campbell, Miranda E

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	Lot#Vial	LCS_ETBR 00008	MSV_CCV_CYC 00008	MSV_CCV_V5ACE 00037
BFB 410-517601/1		8260D			1 uL	1 uL				
IC 410-517601/3		8260D			25 mL	25 mL	2750		1.6 uL	0.2 uL
IC 410-517601/4		8260D			25 mL	25 mL	2750		4 uL	0.5 uL
IC 410-517601/5		8260D			25 mL	25 mL	2750		8 uL	1 uL
IC 410-517601/6		8260D			25 mL	25 mL	2750		8 uL	1 uL
IC 410-517601/7		8260D			25 mL	25 mL	2750		8 uL	1 uL
IC 410-517601/8		8260D			25 mL	25 mL	2750		8 uL	1 uL
IC 410-517601/9		8260D			25 mL	25 mL	2750		20 uL	2.5 uL
IC 410-517601/13		8260D			25 mL	25 mL	2750			
IC 410-517601/14		8260D			25 mL	25 mL	2750			
IC 410-517601/15		8260D			25 mL	25 mL	2750			
IC 410-517601/16		8260D			25 mL	25 mL	2750			
IC 410-517601/17		8260D			25 mL	25 mL	2750			
ICIS 410-517601/18		8260D			25 mL	25 mL	2750			
IC 410-517601/19		8260D			25 mL	25 mL	2750			
ICV 410-517601/21		8260D			25 mL	25 mL	2750	12.5 uL		

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_DME 00055	MSV_HP25_ISO 00010	MSV_HP25_ISSS 00090	MSV_LCS_ACROL 00174	MSV_LCS_EE 00009	MSV_LCS_Penta 00043
BFB 410-517601/1		8260D								
IC 410-517601/3		8260D			0.2 uL	1 uL				
IC 410-517601/4		8260D			0.5 uL	1 uL				
IC 410-517601/5		8260D			1 uL	1 uL				
IC 410-517601/6		8260D			1 uL	1 uL				
IC 410-517601/7		8260D			1 uL	1 uL				
IC 410-517601/8		8260D			1 uL	1 uL				

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-193020-1

SDG No.:

Batch Number: 517601 Batch Start Date: 06/14/24 17:48 Batch Analyst: Campbell, Miranda E

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_DME 00055	MSV_HP25_ISO 00010	MSV_HP25_ISSS 00090	MSV_LCS_ACROL 00174	MSV_LCS_EE 00009	MSV_LCS_Penta 00043
IC 410-517601/9		8260D			2.5 uL	1 uL				
IC 410-517601/13		8260D					1 uL			
IC 410-517601/14		8260D					1 uL			
IC 410-517601/15		8260D					1 uL			
IC 410-517601/16		8260D					1 uL			
IC 410-517601/17		8260D					1 uL			
ICIS 410-517601/18		8260D					1 uL			
IC 410-517601/19		8260D					1 uL			
ICV 410-517601/21		8260D					1 uL	12.5 uL	12.5 uL	12.5 uL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LCS_VOC#1 00171	MSV_LL_#1_826 00133	MSV_LL_#2_826 00140	MSV_LL_GAS826 00214	MSV_QC_Gas826 00201	MSV_V_BFB 00017
BFB 410-517601/1		8260D								1 uL
IC 410-517601/3		8260D								
IC 410-517601/4		8260D								
IC 410-517601/5		8260D								
IC 410-517601/6		8260D								
IC 410-517601/7		8260D								
IC 410-517601/8		8260D								
IC 410-517601/9		8260D								
IC 410-517601/13		8260D				2 uL	2 uL	2 uL		
IC 410-517601/14		8260D				2 uL	2 uL	2 uL		
IC 410-517601/15		8260D				2 uL	2 uL	2 uL		
IC 410-517601/16		8260D				2 uL	2 uL	2 uL		

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-193020-1

SDG No.:

Batch Number: 517601 Batch Start Date: 06/14/24 17:48 Batch Analyst: Campbell, Miranda E

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LCS_VOC#1 00171	MSV_LL_#1_826 00133	MSV_LL_#2_826 00140	MSV_LL_GAS826 00214	MSV_QC_Gas826 00201	MSV_V_BFB 00017
IC 410-517601/17		8260D				5 uL	5 uL	5 uL		
ICIS 410-517601/18		8260D				10 uL	10 uL	10 uL		
IC 410-517601/19		8260D				25 uL	25 uL	25 uL		
ICV 410-517601/21		8260D			12.5 uL				12.5 uL	

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_V_SMRV4 00071
BFB 410-517601/1		8260D			
IC 410-517601/3		8260D			1 uL
IC 410-517601/4		8260D			2.5 uL
IC 410-517601/5		8260D			5 uL
IC 410-517601/6		8260D			5 uL
IC 410-517601/7		8260D			5 uL
IC 410-517601/8		8260D			5 uL
IC 410-517601/9		8260D			12.5 uL
IC 410-517601/13		8260D			
IC 410-517601/14		8260D			
IC 410-517601/15		8260D			
IC 410-517601/16		8260D			
IC 410-517601/17		8260D			
ICIS 410-517601/18		8260D			
IC 410-517601/19		8260D			
ICV 410-517601/21		8260D			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-193020-1

SDG No.:

Batch Number: 517601 Batch Start Date: 06/14/24 17:48 Batch Analyst: Campbell, Miranda E

Batch Method: 8260D Batch End Date:

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-193020-1

SDG No.:

Batch Number: 544533 Batch Start Date: 08/26/24 14:02 Batch Analyst: Walmer, Gavin

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	Lot#Vial	LCS_ETBR 00008	MSV_HP25_ISSS 00094	MSV_LCS_ACROL 00186
BFB 410-544533/1		8260D			1 uL	1 uL				
IC 410-544533/13		8260D			25 mL	25 mL	2759		1 uL	
IC 410-544533/14		8260D			25 mL	25 mL	2759		1 uL	
IC 410-544533/15		8260D			25 mL	25 mL	2759		1 uL	
IC 410-544533/16		8260D			25 mL	25 mL	2759		1 uL	
IC 410-544533/17		8260D			25 mL	25 mL	2759		1 uL	
ICIS 410-544533/18		8260D			25 mL	25 mL	2759		1 uL	
IC 410-544533/19		8260D			25 mL	25 mL	2759		1 uL	
ICV 410-544533/21		8260D			25 mL	25 mL	2759	12.5 uL	1 uL	12.5 uL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LCS_EE 00009	MSV_LCS_Penta 00045	MSV_LCS_VOC#1 00182	MSV_LL_#1_826 00143	MSV_LL_#2_826 00149	MSV_LL_GAS826 00229
BFB 410-544533/1		8260D								
IC 410-544533/13		8260D						2 uL	2 uL	2 uL
IC 410-544533/14		8260D						2 uL	2 uL	2 uL
IC 410-544533/15		8260D						2 uL	2 uL	2 uL
IC 410-544533/16		8260D						2 uL	2 uL	2 uL
IC 410-544533/17		8260D						5 uL	5 uL	5 uL
ICIS 410-544533/18		8260D						10 uL	10 uL	10 uL
IC 410-544533/19		8260D						25 uL	25 uL	25 uL
ICV 410-544533/21		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 Laboratorie Job No.: 410-193020-1

SDG No.:

Batch Number: 544533 Batch Start Date: 08/26/24 14:02 Batch Analyst: Walmer, Gavin

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_QC_Gas826 00216	MSV_V_BFB 00017				
BFB 410-544533/1		8260D				1 uL				
IC 410-544533/13		8260D								
IC 410-544533/14		8260D								
IC 410-544533/15		8260D								
IC 410-544533/16		8260D								
IC 410-544533/17		8260D								
ICIS 410-544533/18		8260D								
IC 410-544533/19		8260D								
ICV 410-544533/21		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 Laboratorie Job No.: 410-193020-1

SDG No.:

Batch Number: 562891 Batch Start Date: 10/14/24 17:46 Batch Analyst: Kephart, Kayla

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	Lot#Vial	LCS_ETBR 00008	MSV_CCV_CYC 00009	MSV_CCV_V5ACE 00041
BFB 410-562891/1		8260D			1 uL	1 uL				
IC 410-562891/3		8260D			25 mL	25 mL	2768		1.6 uL	0.2 uL
IC 410-562891/4		8260D			25 mL	25 mL	2768		4 uL	0.5 uL
IC 410-562891/5		8260D			25 mL	25 mL	2768		8 uL	1 uL
IC 410-562891/6		8260D			25 mL	25 mL	2768		8 uL	1 uL
IC 410-562891/7		8260D			25 mL	25 mL	2768		8 uL	1 uL
IC 410-562891/8		8260D			25 mL	25 mL	2768		8 uL	1 uL
IC 410-562891/9		8260D			25 mL	25 mL	2768		20 uL	2.5 uL
IC 410-562891/13		8260D			25 mL	25 mL	2768			
IC 410-562891/14		8260D			25 mL	25 mL	2768			
IC 410-562891/15		8260D			25 mL	25 mL	2768			
IC 410-562891/16		8260D			25 mL	25 mL	2768			
IC 410-562891/17		8260D			25 mL	25 mL	2768			
ICIS 410-562891/18		8260D			25 mL	25 mL	2768			
IC 410-562891/19		8260D			25 mL	25 mL	2768			
ICV 410-562891/21		8260D			25 mL	25 mL	2768	12.5 uL		

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_DME 00061	MSV_LCS_ACROL 00193	MSV_LCS_EE 00009	MSV_LCS_Penta 00047	MSV_LCS_VOC#1 00189	MSV_LL_#1_826 00150
BFB 410-562891/1		8260D								
IC 410-562891/3		8260D			0.2 uL					
IC 410-562891/4		8260D			0.5 uL					
IC 410-562891/5		8260D			1 uL					
IC 410-562891/6		8260D			1 uL					
IC 410-562891/7		8260D			1 uL					
IC 410-562891/8		8260D			1 uL					

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-193020-1

SDG No.:

Batch Number: 562891 Batch Start Date: 10/14/24 17:46 Batch Analyst: Kephart, Kayla

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_DME 00061	MSV_LCS_ACROL 00193	MSV_LCS_EE 00009	MSV_LCS_Penta 00047	MSV_LCS_VOC#1 00189	MSV_LL_#1_826 00150
IC 410-562891/9		8260D			2.5 uL					
IC 410-562891/13		8260D								2 uL
IC 410-562891/14		8260D								2 uL
IC 410-562891/15		8260D								2 uL
IC 410-562891/16		8260D								2 uL
IC 410-562891/17		8260D								5 uL
ICIS 410-562891/18		8260D								10 uL
IC 410-562891/19		8260D								25 uL
ICV 410-562891/21		8260D				12.5 uL	12.5 uL	12.5 uL	12.5 uL	

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LL_#2_826 00157	MSV_LL_GAS826 00238	MSV_LLcentISO 00009	MSV_LLcentISS 00014	MSV_QC_Gas826 00226	MSV_V_BFB 00017
BFB 410-562891/1		8260D								1 uL
IC 410-562891/3		8260D					5 uL			
IC 410-562891/4		8260D					5 uL			
IC 410-562891/5		8260D					5 uL			
IC 410-562891/6		8260D					5 uL			
IC 410-562891/7		8260D					5 uL			
IC 410-562891/8		8260D					5 uL			
IC 410-562891/9		8260D					5 uL			
IC 410-562891/13		8260D			2 uL	2 uL		5 uL		
IC 410-562891/14		8260D			2 uL	2 uL		5 uL		
IC 410-562891/15		8260D			2 uL	2 uL		5 uL		
IC 410-562891/16		8260D			2 uL	2 uL		5 uL		

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-193020-1

SDG No.:

Batch Number: 562891 Batch Start Date: 10/14/24 17:46 Batch Analyst: Kephart, Kayla

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LL_#2_826 00157	MSV_LL_GAS826 00238	MSV_LLcentISO 00009	MSV_LLcentISS 00014	MSV_QC_Gas826 00226	MSV_V_BFB 00017
IC 410-562891/17		8260D			5 uL	5 uL		5 uL		
ICIS 410-562891/18		8260D			10 uL	10 uL		5 uL		
IC 410-562891/19		8260D			25 uL	25 uL		5 uL		
ICV 410-562891/21		8260D						5 uL	12.5 uL	

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_V_SMRV4 00078					
BFB 410-562891/1		8260D								
IC 410-562891/3		8260D			1 uL					
IC 410-562891/4		8260D			2.5 uL					
IC 410-562891/5		8260D			5 uL					
IC 410-562891/6		8260D			5 uL					
IC 410-562891/7		8260D			5 uL					
IC 410-562891/8		8260D			5 uL					
IC 410-562891/9		8260D			12.5 uL					
IC 410-562891/13		8260D								
IC 410-562891/14		8260D								
IC 410-562891/15		8260D								
IC 410-562891/16		8260D								
IC 410-562891/17		8260D								
ICIS 410-562891/18		8260D								
IC 410-562891/19		8260D								
ICV 410-562891/21		8260D								

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-193020-1

SDG No.:

Batch Number: 562891 Batch Start Date: 10/14/24 17:46 Batch Analyst: Kephart, Kayla

Batch Method: 8260D Batch End Date:

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-193020-1

SDG No.:

Batch Number: 566703 Batch Start Date: 10/23/24 09:22 Batch Analyst: Ressler, Eric

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	Initial pH	ResidualChloCheck	Headspace	Lot#Vial
BFB 410-566703/1		8260D			1 uL	1 uL				
CCVIS 410-566703/3		8260D			25 mL	25 mL				2768
LCS 410-566703/4		8260D			25 mL	25 mL				2768
LCSD 410-566703/5		8260D			25 mL	25 mL				2768
MB 410-566703/7		8260D			25 mL	25 mL				2768
410-193020-A-14	HD-QC1-0/1-2	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-193020-B-13	HD-QC1-0/1-1	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-193020-A-1	HD-COD-SW-6-0/1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-193020-A-2	HD-COD-SW-7-0/1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-193020-A-3	HD-COD-SW-8-0/1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-193020-A-4	HD-COD-SW-9-0/1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-193020-A-5	HD-COD-SW-13-0/1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-193020-A-6	HD-COD-SW-15-0/1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-193020-A-7	HD-COD-SW-16-0/1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-193020-A-9	HD-COD-SW-26-0/1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-193020-B-10	HD-COD-SW-27-0/1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-193020-B-11	HD-COD-SW-28-0/1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-193020-B-12	HD-COD-SW-29-0/1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_HP25_ISSS 00101	MSV_LCS_VOC#1 00190	MSV_LL_#1_826 00149	MSV_LL_#2_826 00156	MSV_LL_GAS826 00239	MSV_QC_Gas826 00227
BFB 410-566703/1		8260D								
CCVIS 410-566703/3		8260D			1 uL		20 uL	20 uL	20 uL	

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-193020-1

SDG No.:

Batch Number: 566703 Batch Start Date: 10/23/24 09:22 Batch Analyst: Ressler, Eric

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_HP25_ISSS 00101	MSV_LCS_VOC#1 00190	MSV_LL_#1_826 00149	MSV_LL_#2_826 00156	MSV_LL_GAS826 00239	MSV_QC_Gas826 00227
LCS 410-566703/4		8260D			1 uL	12.5 uL				12.5 uL
LCSD 410-566703/5		8260D			1 uL	12.5 uL				12.5 uL
MB 410-566703/7		8260D			1 uL					
410-193020-A-14	HD-QC1-0/1-2	8260D	Water	T	1 uL					
410-193020-B-13	HD-QC1-0/1-1	8260D	Water	T	1 uL					
410-193020-A-1	HD-COD-SW-6-0/1-0	8260D	Water	T	1 uL					
410-193020-A-2	HD-COD-SW-7-0/1-0	8260D	Water	T	1 uL					
410-193020-A-3	HD-COD-SW-8-0/1-0	8260D	Water	T	1 uL					
410-193020-A-4	HD-COD-SW-9-0/1-0	8260D	Water	T	1 uL					
410-193020-A-5	HD-COD-SW-13-0/1-0	8260D	Water	T	1 uL					
410-193020-A-6	HD-COD-SW-15-0/1-0	8260D	Water	T	1 uL					
410-193020-A-7	HD-COD-SW-16-0/1-0	8260D	Water	T	1 uL					
410-193020-A-9	HD-COD-SW-26-0/1-0	8260D	Water	T	1 uL					
410-193020-B-10	HD-COD-SW-27-0/1-0	8260D	Water	T	1 uL					
410-193020-B-11	HD-COD-SW-28-0/1-0	8260D	Water	T	1 uL					
410-193020-B-12	HD-COD-SW-29-0/1-0	8260D	Water	T	1 uL					

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_V_BFB 00017					
BFB 410-566703/1		8260D			1 uL					
CCVIS 410-566703/3		8260D								
LCS 410-566703/4		8260D								
LCSD 410-566703/5		8260D								

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-193020-1

SDG No.:

Batch Number: 566703 Batch Start Date: 10/23/24 09:22 Batch Analyst: Ressler, Eric

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_V_BFB 00017					
MB 410-566703/7		8260D								
410-193020-A-14	HD-QC1-0/1-2	8260D	Water	T						
410-193020-B-13	HD-QC1-0/1-1	8260D	Water	T						
410-193020-A-1	HD-COD-SW-6-0/1-0	8260D	Water	T						
410-193020-A-2	HD-COD-SW-7-0/1-0	8260D	Water	T						
410-193020-A-3	HD-COD-SW-8-0/1-0	8260D	Water	T						
410-193020-A-4	HD-COD-SW-9-0/1-0	8260D	Water	T						
410-193020-A-5	HD-COD-SW-13-0/1-0	8260D	Water	T						
410-193020-A-6	HD-COD-SW-15-0/1-0	8260D	Water	T						
410-193020-A-7	HD-COD-SW-16-0/1-0	8260D	Water	T						
410-193020-A-9	HD-COD-SW-26-0/1-0	8260D	Water	T						
410-193020-B-10	HD-COD-SW-27-0/1-0	8260D	Water	T						
410-193020-B-11	HD-COD-SW-28-0/1-0	8260D	Water	T						
410-193020-B-12	HD-COD-SW-29-0/1-0	8260D	Water	T						

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-193020-1

SDG No.:

Batch Number: 569172 Batch Start Date: 10/29/24 20:53 Batch Analyst: Walmer, Gavin

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	Initial pH	ResidualChloCheck	Headspace	Lot#Vial
BFB 410-569172/1		8260D			1 uL	1 uL				
CCVIS 410-569172/3		8260D			25 mL	25 mL				2768
LCS 410-569172/4		8260D			25 mL	25 mL				2768
MB 410-569172/6		8260D			25 mL	25 mL				2768
410-193020-C-13	HD-QC1-0/1-1	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	2768
410-193020-B-8	HD-COD-SW-17-0/1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-193020-C-8	HD-COD-SW-17-0/1-0	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	2768

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_HP25_ISSS 00101	MSV_LCS_VOC#1 00191	MSV_LL_#1_826 00150	MSV_LL_#2_826 00158	MSV_LL_GAS826 00240	MSV_QC_Gas826 00228
BFB 410-569172/1		8260D								
CCVIS 410-569172/3		8260D			1 uL		20 uL	20 uL	20 uL	
LCS 410-569172/4		8260D			1 uL	12.5 uL				12.5 uL
MB 410-569172/6		8260D			1 uL					
410-193020-C-13	HD-QC1-0/1-1	8260D	Water	T	1 uL					
410-193020-B-8	HD-COD-SW-17-0/1-0	8260D	Water	T	1 uL					
410-193020-C-8	HD-COD-SW-17-0/1-0	8260D	Water	T	1 uL					

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_V_BFB 00017
BFB 410-569172/1		8260D			1 uL
CCVIS 410-569172/3		8260D			
LCS 410-569172/4		8260D			
MB 410-569172/6		8260D			
410-193020-C-13	HD-QC1-0/1-1	8260D	Water	T	

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-193020-1

SDG No.:

Batch Number: 569172 Batch Start Date: 10/29/24 20:53 Batch Analyst: Walmer, Gavin

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_V_BFB 00017					
410-193020-B-8	HD-COD-SW-17-0/1-0	8260D	Water	T						
410-193020-C-8	HD-COD-SW-17-0/1-0	8260D	Water	T						

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-193020-1

SDG No.:

Batch Number: 569353 Batch Start Date: 10/30/24 08:20 Batch Analyst: Ressler, Eric

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	Initial pH	ResidualChloCheck	Headspace	Lot#Vial
BFB 410-569353/1		8260D			1 uL	1 uL				
CCVIS 410-569353/3		8260D			25 mL	25 mL				2768
LCS 410-569353/5		8260D			25 mL	25 mL				2768
LCSD 410-569353/6		8260D			25 mL	25 mL				2768
MB 410-569353/10		8260D			25 mL	25 mL				2768
410-193020-B-6 MS	HD-COD-SW-15-0/1-0 MS	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-193020-B-6 MSD	HD-COD-SW-15-0/1-0 MSD	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LCS_VOC#1 00191	MSV_LL_#1_826 00150	MSV_LL_#2_826 00158	MSV_LL_GAS826 00240	MSV_LLcentISS 00013	MSV_QC_Gas826 00228
BFB 410-569353/1		8260D								
CCVIS 410-569353/3		8260D				20 uL	20 uL	20 uL	5 uL	
LCS 410-569353/5		8260D			12.5 uL				5 uL	12.5 uL
LCSD 410-569353/6		8260D			12.5 uL				5 uL	12.5 uL
MB 410-569353/10		8260D							5 uL	
410-193020-B-6 MS	HD-COD-SW-15-0/1-0 MS	8260D	Water	T	5.38 uL				5 uL	5.38 uL
410-193020-B-6 MSD	HD-COD-SW-15-0/1-0 MSD	8260D	Water	T	5.38 uL				5 uL	5.38 uL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_V_BFB 00017					
BFB 410-569353/1		8260D			1 uL					
CCVIS 410-569353/3		8260D								
LCS 410-569353/5		8260D								

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-193020-1

SDG No.:

Batch Number: 569353 Batch Start Date: 10/30/24 08:20 Batch Analyst: Ressler, Eric

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_V_BFB 00017					
LCSD 410-569353/6		8260D								
MB 410-569353/10		8260D								
410-193020-B-6 MS	HD-COD-SW-15-0/ 1-0 MS	8260D	Water	T						
410-193020-B-6 MSD	HD-COD-SW-15-0/ 1-0 MSD	8260D	Water	T						

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Shipping and Receiving Documents

Environmental Analysis Request/Chain of Custody

euro

410-193020 Chain of Custody

Acct. # _____ Group # _____ Sample # _____

Client:	Groundwater Sciences Corporation		
Project Name/#:	fYNOP Monthly Surface Water	Site ID #:	fYNOP, York PA
Project Manager:	Chris O'Neil	P.O. #:	10012.52
Sampler:	Casey Littlefield / Lucas Grimm	PWSID #:	N/A
Phone #:	(717) 901-8176 / (717) 756-1246	Quote #:	
State where samples were collected: York, PA		For Compliance: Yes ☐ No ☑	

Sample Identification	Collection Date	Collection Time	Grab	Composite	Matrix: Soil ☐ Sediment ☐ Tissue	Water ☐ Potable ☐ NPDES ☐ Ground ☑ Surface	Other:	Total # of Containers	Analyses Requested: Aqueous VOCs via 8260D (low level - 25 ml purge)	Preservation Codes: H	Remarks
HD-COD-SW-6-0/1-0	10/18/24	1000	X			X		3	X		All samples
HD-COD-SW-7-0/1-0		1047	X			X		3	X		preserved on
HD-COD-SW-8-0/1-0		0855	X			X		3	X		ice
HD-COD-SW-9-0/1-0		1210	X			X		3	X		
HD-COD-SW-13-0/1-0		0910	X			X		3	X		
HD-COD-SW-15-0/1-0		1110	X			X		3	X		
HD-COD-SW-15-0/1-0 MS		1110	X			X		3	X		
HD-COD-SW-15-0/1-0 MSD		1110	X			X		3	X		
HD-COD-SW-16-0/1-0		0928	X			X		3	X		
HD-COD-SW-17-0/1-0	↓	0940	X			X		3	X		

For Lab Use Only
SF #: _____
SCR #: _____

Preservation Codes
H = HCl T = Thiosulfate
N = HNO_3 B = NaOH
S = H_2SO_4 P = H_3PO_4
O = Other

Turnaround Time Requested (TAT) (please check): Standard ☑ Rush ☐
(Rush TAT is subject to laboratory approval and surcharges.)

Date results are needed: STANDARD

Rush results requested by (please check): E-Mail ☑ Phone ☐

E-mail Address: ON-FILE

Phone:

Data Package Options (please check if required)

Type I (Validation/non-CLP)	☐	MA MCP	☐
Type III (Reduced non-CLP)	☐	CT RCP	☐
Type VI (Raw Data Only)	☐	TX TRRP-13	☐
NJ DKQP	☐	NYSDEC Category	☐ A or ☐ B

EDD Required? Yes ☑ No ☐ If yes, format: CLP Like Deliverables, Project Specific Analyte List

Relinquished by:	Date	Time	Received by:	Date	Time
	10/18/24	1320			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date 10/18/24	Time 1320

Relinquished by Commercial Carrier: ✓

UPS _____ FedEx _____ Other _____

R 3.6 - C 3.2
Temperature upon receipt _____ °C

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7045 0216

11/11/2024 MR

Environmental Analysis Request/Chain of Custody

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Acct. # _____ Group # _____ Sample # _____

Client:	Groundwater Sciences Corporation		
Project Name/#:	fYNOP Monthly Surface Water	Site ID #:	fYNOP, York PA
Project Manager:	Chris O'Neil	P.O. #:	10012.52
Sampler:	Casey Littlefield / Lucas Grimm	PWSID #:	N/A
Phone #:	(717) 901-8176 / (717) 756-1246	Quote #:	
State where samples were collected: York, PA		For Compliance: Yes ☐ No ☑	

Sample Identification	Collection Date	Collection Time	Grab	Composite	Matrix: Soil ☐ Sediment ☐ Tissue	Water ☐ Potable ☐ Ground ☑ Surface ☐ NPDES	Other: Trip Blank	Total # of Containers	Analyses Requested: Aqueous VOCs via 8260D (low level - 25 ml purge)	Preservation Codes: H	Remarks
HD-COD-SW-26-0/1-0	10/18/24	1027	X			X		3	X		
HD-COD-SW-27-0/1-0		1100	X			X		3	X		
HD-COD-SW-28-0/1-0		1220	X			X		3	X		
HD-COD-SW-29-0/1-0		0840	X			X		3	X		
HD-QC1-0/1-1		1200	X			X		3	X		
HD-QC1-0/1-2		–	X				X	2	X		Trip Blank

For Lab Use Only

SF #: _____

SCR #: _____

Preservation Codes: H = HCl; T = Thiosulfate; N = HNO_3; B = NaOH; S = H_2SO_4; P = H_3PO_4; O = Other

Turnaround Time Requested (TAT) (please check): Standard ☑ Rush ☐

(Rush TAT is subject to laboratory approval and surcharges.)

Date results are needed: STANDARD

Rush results requested by (please check): E-Mail ☐ Phone ☐

E-mail Address: ON-FILE

Phone:

Data Package Options (please check if required)

Type I (Validation/non-CLP)	☐	MA MCP	☐
Type III (Reduced non-CLP)	☐	CT RCP	☐
Type VI (Raw Data Only)	☐	TX TRRP-13	☐
NJ DKQP	☐	NYSDEC Category	☐ A or ☐ B

EDD Required? Yes ☑ No ☐ If yes, format: _____ CLP Like Deliverables, Project Specific Analyte List

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	10/18/24	1320			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by: [signature]	10/18/24	1320

Relinquished by Commercial Carrier: ✓

UPS _____ FedEx _____ Other _____

Temperature upon receipt 3.6 - C3.2 °C

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Login Sample Receipt Checklist

Client: Groundwater Sciences Corporation

Job Number: 410-193020-1

Login Number: 193020
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.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	True	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	True	