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ANALYTICAL REPORT

PREPARED FOR

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Generated 10/09/2024

JOB DESCRIPTION

2024 Comprehensive Sampling

JOB NUMBER

410-190105-1

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
10/09/2024

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
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
410-190105-1

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

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

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

Receipt
The samples were received on 9/27/2024 4:50 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.3°C.

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

Detection Summary

Client: Groundwater Sciences Corporation
Job ID: 410-190105-1
Project/Site: 2024 Comprehensive Sampling

Client Sample ID: HD-MW-88-0/1-0 — Lab Sample ID: 410-190105-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	1.6		1.0	0.30	ug/L	1		8260D	Total/NA

Client Sample ID: HD-MW-5-0/1-0 — Lab Sample ID: 410-190105-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	3.7		1.0	0.30	ug/L	1		8260D	Total/NA

Client Sample ID: HD-MW-108D-0/1-0 — Lab Sample ID: 410-190105-3

No Detections.

Client Sample ID: HD-MW-166-0/1-0 — Lab Sample ID: 410-190105-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.58	J	1.0	0.30	ug/L	1		8260D	Total/NA
Tetrachloroethene	0.63	J	1.0	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	0.35	J	1.0	0.30	ug/L	1		8260D	Total/NA

Client Sample ID: HD-MW-167-0/1-0 — Lab Sample ID: 410-190105-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	1.8	J	20	0.70	ug/L	1		8260D	Total/NA
Tetrachloroethene	1.5		1.0	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	0.39	J	1.0	0.30	ug/L	1		8260D	Total/NA

Client Sample ID: HD-MW-168-0/1-0 — Lab Sample ID: 410-190105-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.31	J	1.0	0.30	ug/L	1		8260D	Total/NA

Client Sample ID: HD-QC1-0/1-3 — Lab Sample ID: 410-190105-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.45	J	1.0	0.30	ug/L	1		8260D	Total/NA

Client Sample ID: HD-QC1-0/1-4 — Lab Sample ID: 410-190105-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.47	J	1.0	0.30	ug/L	1		8260D	Total/NA

Client Sample ID: HD-MW-6-0/1-0 — Lab Sample ID: 410-190105-9

No Detections.

Client Sample ID: HD-MW-101S-0/1-0 — Lab Sample ID: 410-190105-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.42	J	1.0	0.30	ug/L	1		8260D	Total/NA
Tetrachloroethene	3.7		1.0	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	0.63	J	1.0	0.30	ug/L	1		8260D	Total/NA

Client Sample ID: HD-MW-101D-0/1-0 — Lab Sample ID: 410-190105-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.6		1.0	0.30	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	6.8		1.0	0.30	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: HD-MW-101D-0/1-0 (Continued) — Lab Sample ID: 410-190105-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	3.9		1.0	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	4.2		1.0	0.30	ug/L	1		8260D	Total/NA

Client Sample ID: HD-MW-108S-0/1-0 — Lab Sample ID: 410-190105-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	3.7		1.0	0.30	ug/L	1		8260D	Total/NA

Client Sample ID: HD-MW-20S-0/1-0 — Lab Sample ID: 410-190105-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.48	J	1.0	0.30	ug/L	1		8260D	Total/NA
Tetrachloroethene	1.7		1.0	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	7.7		1.0	0.30	ug/L	1		8260D	Total/NA

Client Sample ID: HD-MW-20M-0/1-0 — Lab Sample ID: 410-190105-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.34	J	1.0	0.30	ug/L	1		8260D	Total/NA
Tetrachloroethene	0.51	J	1.0	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	14		1.0	0.30	ug/L	1		8260D	Total/NA

Client Sample ID: HD-MW-14-0/1-0 — Lab Sample ID: 410-190105-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.33	J	1.0	0.30	ug/L	1		8260D	Total/NA
Tetrachloroethene	2.9		1.0	0.30	ug/L	1		8260D	Total/NA

Client Sample ID: HD-MW-22-0/1-0 — Lab Sample ID: 410-190105-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	4.9		1.0	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	1.8		1.0	0.30	ug/L	1		8260D	Total/NA

Client Sample ID: HD-QC1-0/1-1 — Lab Sample ID: 410-190105-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	16		1.0	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	4.2		1.0	0.30	ug/L	1		8260D	Total/NA
Vinyl chloride	0.48	J	1.0	0.30	ug/L	1		8260D	Total/NA

Client Sample ID: HD-QC1-0/1-2 — Lab Sample ID: 410-190105-18

No Detections.

Client Sample ID: HD-MW-9-0/1-0 — Lab Sample ID: 410-190105-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	15		1.0	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	4.0		1.0	0.30	ug/L	1		8260D	Total/NA
Vinyl chloride	0.45	J	1.0	0.30	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: HD-MW-88-0/1-0
Lab Sample ID: 410-190105-1

Date Collected: 09/25/24 13:35
Matrix: Water

Date Received: 09/27/24 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			10/02/24 02:03	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			10/02/24 02:03	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			10/02/24 02:03	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			10/02/24 02:03	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			10/02/24 02:03	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			10/02/24 02:03	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			10/02/24 02:03	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/02/24 02:03	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/02/24 02:03	1
2-Butanone (MEK)	ND		10	0.50	ug/L			10/02/24 02:03	1
2-Hexanone	ND		10	0.85	ug/L			10/02/24 02:03	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.50	ug/L			10/02/24 02:03	1
Acetone	ND		20	0.70	ug/L			10/02/24 02:03	1
Benzene	ND		1.0	0.30	ug/L			10/02/24 02:03	1
Bromochloromethane	ND		5.0	0.20	ug/L			10/02/24 02:03	1
Bromodichloromethane	ND		1.0	0.20	ug/L			10/02/24 02:03	1
Bromoform	ND		4.0	1.0	ug/L			10/02/24 02:03	1
Bromomethane	ND		1.0	0.30	ug/L			10/02/24 02:03	1
Carbon disulfide	ND		5.0	0.30	ug/L			10/02/24 02:03	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			10/02/24 02:03	1
Chlorobenzene	ND		1.0	0.30	ug/L			10/02/24 02:03	1
Chloroethane	ND		1.0	0.30	ug/L			10/02/24 02:03	1
Chloroform	ND		1.0	0.30	ug/L			10/02/24 02:03	1
Chloromethane	ND		2.0	0.55	ug/L			10/02/24 02:03	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			10/02/24 02:03	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/02/24 02:03	1
Dibromochloromethane	ND		1.0	0.20	ug/L			10/02/24 02:03	1
Ethylbenzene	ND		1.0	0.40	ug/L			10/02/24 02:03	1
Methyl tert-butyl ether	ND		1.0	0.20	ug/L			10/02/24 02:03	1
Methylene Chloride	ND		1.0	0.30	ug/L			10/02/24 02:03	1
Styrene	ND		5.0	0.30	ug/L			10/02/24 02:03	1
Tetrachloroethene	**1.6**		1.0	0.30	ug/L			10/02/24 02:03	1
Toluene	ND		1.0	0.30	ug/L			10/02/24 02:03	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			10/02/24 02:03	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/02/24 02:03	1
Trichloroethene	ND		1.0	0.30	ug/L			10/02/24 02:03	1
Vinyl chloride	ND		1.0	0.30	ug/L			10/02/24 02:03	1
Xylenes, Total	ND		1.0	0.40	ug/L			10/02/24 02:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*10/02/24 02:03*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*10/02/24 02:03*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*10/02/24 02:03*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*10/02/24 02:03*	*1*

Client Sample ID: HD-MW-5-0/1-0

Lab Sample ID: 410-190105-2

Date Collected: 09/25/24 14:36

Matrix: Water

Date Received: 09/27/24 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			10/02/24 02:25	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			10/02/24 02:25	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			10/02/24 02:25	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			10/02/24 02:25	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			10/02/24 02:25	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			10/02/24 02:25	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			10/02/24 02:25	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/02/24 02:25	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/02/24 02:25	1
2-Butanone (MEK)	ND		10	0.50	ug/L			10/02/24 02:25	1
2-Hexanone	ND		10	0.85	ug/L			10/02/24 02:25	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.50	ug/L			10/02/24 02:25	1
Acetone	ND		20	0.70	ug/L			10/02/24 02:25	1
Benzene	ND		1.0	0.30	ug/L			10/02/24 02:25	1
Bromochloromethane	ND		5.0	0.20	ug/L			10/02/24 02:25	1
Bromodichloromethane	ND		1.0	0.20	ug/L			10/02/24 02:25	1
Bromoform	ND		4.0	1.0	ug/L			10/02/24 02:25	1
Bromomethane	ND		1.0	0.30	ug/L			10/02/24 02:25	1
Carbon disulfide	ND		5.0	0.30	ug/L			10/02/24 02:25	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			10/02/24 02:25	1
Chlorobenzene	ND		1.0	0.30	ug/L			10/02/24 02:25	1
Chloroethane	ND		1.0	0.30	ug/L			10/02/24 02:25	1
Chloroform	ND		1.0	0.30	ug/L			10/02/24 02:25	1
Chloromethane	ND		2.0	0.55	ug/L			10/02/24 02:25	1
cis-1,2-Dichloroethene	**3.7**		1.0	0.30	ug/L			10/02/24 02:25	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/02/24 02:25	1
Dibromochloromethane	ND		1.0	0.20	ug/L			10/02/24 02:25	1
Ethylbenzene	ND		1.0	0.40	ug/L			10/02/24 02:25	1
Methyl tert-butyl ether	ND		1.0	0.20	ug/L			10/02/24 02:25	1
Methylene Chloride	ND		1.0	0.30	ug/L			10/02/24 02:25	1
Styrene	ND		5.0	0.30	ug/L			10/02/24 02:25	1
Tetrachloroethene	ND		1.0	0.30	ug/L			10/02/24 02:25	1
Toluene	ND		1.0	0.30	ug/L			10/02/24 02:25	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			10/02/24 02:25	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/02/24 02:25	1
Trichloroethene	ND		1.0	0.30	ug/L			10/02/24 02:25	1
Vinyl chloride	ND		1.0	0.30	ug/L			10/02/24 02:25	1
Xylenes, Total	ND		1.0	0.40	ug/L			10/02/24 02:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*80 - 120*		*10/02/24 02:25*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*10/02/24 02:25*	*1*
Dibromofluoromethane (Surr)	*98*		*80 - 120*		*10/02/24 02:25*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*10/02/24 02:25*	*1*

Client Sample ID: HD-MW-108D-0/1-0

Lab Sample ID: 410-190105-3

Date Collected: 09/26/24 12:45

Matrix: Water

Date Received: 09/27/24 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			10/02/24 02:48	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			10/02/24 02:48	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			10/02/24 02:48	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			10/02/24 02:48	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			10/02/24 02:48	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			10/02/24 02:48	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			10/02/24 02:48	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/02/24 02:48	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/02/24 02:48	1
2-Butanone (MEK)	ND		10	0.50	ug/L			10/02/24 02:48	1
2-Hexanone	ND		10	0.85	ug/L			10/02/24 02:48	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.50	ug/L			10/02/24 02:48	1
Acetone	ND		20	0.70	ug/L			10/02/24 02:48	1
Benzene	ND		1.0	0.30	ug/L			10/02/24 02:48	1
Bromochloromethane	ND		5.0	0.20	ug/L			10/02/24 02:48	1
Bromodichloromethane	ND		1.0	0.20	ug/L			10/02/24 02:48	1
Bromoform	ND		4.0	1.0	ug/L			10/02/24 02:48	1
Bromomethane	ND		1.0	0.30	ug/L			10/02/24 02:48	1
Carbon disulfide	ND		5.0	0.30	ug/L			10/02/24 02:48	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			10/02/24 02:48	1
Chlorobenzene	ND		1.0	0.30	ug/L			10/02/24 02:48	1
Chloroethane	ND		1.0	0.30	ug/L			10/02/24 02:48	1
Chloroform	ND		1.0	0.30	ug/L			10/02/24 02:48	1
Chloromethane	ND		2.0	0.55	ug/L			10/02/24 02:48	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			10/02/24 02:48	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/02/24 02:48	1
Dibromochloromethane	ND		1.0	0.20	ug/L			10/02/24 02:48	1
Ethylbenzene	ND		1.0	0.40	ug/L			10/02/24 02:48	1
Methyl tert-butyl ether	ND		1.0	0.20	ug/L			10/02/24 02:48	1
Methylene Chloride	ND		1.0	0.30	ug/L			10/02/24 02:48	1
Styrene	ND		5.0	0.30	ug/L			10/02/24 02:48	1
Tetrachloroethene	ND		1.0	0.30	ug/L			10/02/24 02:48	1
Toluene	ND		1.0	0.30	ug/L			10/02/24 02:48	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			10/02/24 02:48	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/02/24 02:48	1
Trichloroethene	ND		1.0	0.30	ug/L			10/02/24 02:48	1
Vinyl chloride	ND		1.0	0.30	ug/L			10/02/24 02:48	1
Xylenes, Total	ND		1.0	0.40	ug/L			10/02/24 02:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*		*10/02/24 02:48*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*10/02/24 02:48*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*10/02/24 02:48*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*10/02/24 02:48*	*1*

Client Sample ID: HD-MW-166-0/1-0

Lab Sample ID: 410-190105-4

Date Collected: 09/26/24 13:10

Matrix: Water

Date Received: 09/27/24 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			10/02/24 03:10	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			10/02/24 03:10	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			10/02/24 03:10	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			10/02/24 03:10	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			10/02/24 03:10	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			10/02/24 03:10	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			10/02/24 03:10	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/02/24 03:10	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/02/24 03:10	1
2-Butanone (MEK)	ND		10	0.50	ug/L			10/02/24 03:10	1
2-Hexanone	ND		10	0.85	ug/L			10/02/24 03:10	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.50	ug/L			10/02/24 03:10	1
Acetone	ND		20	0.70	ug/L			10/02/24 03:10	1
Benzene	ND		1.0	0.30	ug/L			10/02/24 03:10	1
Bromochloromethane	ND		5.0	0.20	ug/L			10/02/24 03:10	1
Bromodichloromethane	ND		1.0	0.20	ug/L			10/02/24 03:10	1
Bromoform	ND		4.0	1.0	ug/L			10/02/24 03:10	1
Bromomethane	ND		1.0	0.30	ug/L			10/02/24 03:10	1
Carbon disulfide	ND		5.0	0.30	ug/L			10/02/24 03:10	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			10/02/24 03:10	1
Chlorobenzene	ND		1.0	0.30	ug/L			10/02/24 03:10	1
Chloroethane	ND		1.0	0.30	ug/L			10/02/24 03:10	1
Chloroform	**0.58**	**J**	1.0	0.30	ug/L			10/02/24 03:10	1
Chloromethane	ND		2.0	0.55	ug/L			10/02/24 03:10	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			10/02/24 03:10	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/02/24 03:10	1
Dibromochloromethane	ND		1.0	0.20	ug/L			10/02/24 03:10	1
Ethylbenzene	ND		1.0	0.40	ug/L			10/02/24 03:10	1
Methyl tert-butyl ether	ND		1.0	0.20	ug/L			10/02/24 03:10	1
Methylene Chloride	ND		1.0	0.30	ug/L			10/02/24 03:10	1
Styrene	ND		5.0	0.30	ug/L			10/02/24 03:10	1
Tetrachloroethene	**0.63**	**J**	1.0	0.30	ug/L			10/02/24 03:10	1
Toluene	ND		1.0	0.30	ug/L			10/02/24 03:10	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			10/02/24 03:10	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/02/24 03:10	1
Trichloroethene	**0.35**	**J**	1.0	0.30	ug/L			10/02/24 03:10	1
Vinyl chloride	ND		1.0	0.30	ug/L			10/02/24 03:10	1
Xylenes, Total	ND		1.0	0.40	ug/L			10/02/24 03:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*10/02/24 03:10*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*10/02/24 03:10*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*10/02/24 03:10*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*10/02/24 03:10*	*1*

Client Sample ID: HD-MW-167-0/1-0

Lab Sample ID: 410-190105-5

Date Collected: 09/26/24 13:20

Matrix: Water

Date Received: 09/27/24 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			10/02/24 03:33	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			10/02/24 03:33	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			10/02/24 03:33	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			10/02/24 03:33	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			10/02/24 03:33	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			10/02/24 03:33	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			10/02/24 03:33	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/02/24 03:33	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/02/24 03:33	1
2-Butanone (MEK)	ND		10	0.50	ug/L			10/02/24 03:33	1
2-Hexanone	ND		10	0.85	ug/L			10/02/24 03:33	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.50	ug/L			10/02/24 03:33	1
Acetone	**1.8**	**J**	20	0.70	ug/L			10/02/24 03:33	1
Benzene	ND		1.0	0.30	ug/L			10/02/24 03:33	1
Bromochloromethane	ND		5.0	0.20	ug/L			10/02/24 03:33	1
Bromodichloromethane	ND		1.0	0.20	ug/L			10/02/24 03:33	1
Bromoform	ND		4.0	1.0	ug/L			10/02/24 03:33	1
Bromomethane	ND		1.0	0.30	ug/L			10/02/24 03:33	1
Carbon disulfide	ND		5.0	0.30	ug/L			10/02/24 03:33	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			10/02/24 03:33	1
Chlorobenzene	ND		1.0	0.30	ug/L			10/02/24 03:33	1
Chloroethane	ND		1.0	0.30	ug/L			10/02/24 03:33	1
Chloroform	ND		1.0	0.30	ug/L			10/02/24 03:33	1
Chloromethane	ND		2.0	0.55	ug/L			10/02/24 03:33	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			10/02/24 03:33	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/02/24 03:33	1
Dibromochloromethane	ND		1.0	0.20	ug/L			10/02/24 03:33	1
Ethylbenzene	ND		1.0	0.40	ug/L			10/02/24 03:33	1
Methyl tert-butyl ether	ND		1.0	0.20	ug/L			10/02/24 03:33	1
Methylene Chloride	ND		1.0	0.30	ug/L			10/02/24 03:33	1
Styrene	ND		5.0	0.30	ug/L			10/02/24 03:33	1
Tetrachloroethene	**1.5**		1.0	0.30	ug/L			10/02/24 03:33	1
Toluene	ND		1.0	0.30	ug/L			10/02/24 03:33	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			10/02/24 03:33	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/02/24 03:33	1
Trichloroethene	**0.39**	**J**	1.0	0.30	ug/L			10/02/24 03:33	1
Vinyl chloride	ND		1.0	0.30	ug/L			10/02/24 03:33	1
Xylenes, Total	ND		1.0	0.40	ug/L			10/02/24 03:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*10/02/24 03:33*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*10/02/24 03:33*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*10/02/24 03:33*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*10/02/24 03:33*	*1*

Client Sample ID: HD-MW-168-0/1-0

Lab Sample ID: 410-190105-6

Date Collected: 09/26/24 13:30

Matrix: Water

Date Received: 09/27/24 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			10/02/24 03:55	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			10/02/24 03:55	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			10/02/24 03:55	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			10/02/24 03:55	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			10/02/24 03:55	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			10/02/24 03:55	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			10/02/24 03:55	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/02/24 03:55	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/02/24 03:55	1
2-Butanone (MEK)	ND		10	0.50	ug/L			10/02/24 03:55	1
2-Hexanone	ND		10	0.85	ug/L			10/02/24 03:55	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.50	ug/L			10/02/24 03:55	1
Acetone	ND		20	0.70	ug/L			10/02/24 03:55	1
Benzene	ND		1.0	0.30	ug/L			10/02/24 03:55	1
Bromochloromethane	ND		5.0	0.20	ug/L			10/02/24 03:55	1
Bromodichloromethane	ND		1.0	0.20	ug/L			10/02/24 03:55	1
Bromoform	ND		4.0	1.0	ug/L			10/02/24 03:55	1
Bromomethane	ND		1.0	0.30	ug/L			10/02/24 03:55	1
Carbon disulfide	ND		5.0	0.30	ug/L			10/02/24 03:55	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			10/02/24 03:55	1
Chlorobenzene	ND		1.0	0.30	ug/L			10/02/24 03:55	1
Chloroethane	ND		1.0	0.30	ug/L			10/02/24 03:55	1
Chloroform	**0.31**	**J**	1.0	0.30	ug/L			10/02/24 03:55	1
Chloromethane	ND		2.0	0.55	ug/L			10/02/24 03:55	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			10/02/24 03:55	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/02/24 03:55	1
Dibromochloromethane	ND		1.0	0.20	ug/L			10/02/24 03:55	1
Ethylbenzene	ND		1.0	0.40	ug/L			10/02/24 03:55	1
Methyl tert-butyl ether	ND		1.0	0.20	ug/L			10/02/24 03:55	1
Methylene Chloride	ND		1.0	0.30	ug/L			10/02/24 03:55	1
Styrene	ND		5.0	0.30	ug/L			10/02/24 03:55	1
Tetrachloroethene	ND		1.0	0.30	ug/L			10/02/24 03:55	1
Toluene	ND		1.0	0.30	ug/L			10/02/24 03:55	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			10/02/24 03:55	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/02/24 03:55	1
Trichloroethene	ND		1.0	0.30	ug/L			10/02/24 03:55	1
Vinyl chloride	ND		1.0	0.30	ug/L			10/02/24 03:55	1
Xylenes, Total	ND		1.0	0.40	ug/L			10/02/24 03:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*		*10/02/24 03:55*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*10/02/24 03:55*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*10/02/24 03:55*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*10/02/24 03:55*	*1*

Client Sample ID: HD-QC1-0/1-3

Lab Sample ID: 410-190105-7

Date Collected: 09/26/24 15:00

Matrix: Water

Date Received: 09/27/24 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			10/03/24 13:07	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			10/03/24 13:07	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			10/03/24 13:07	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			10/03/24 13:07	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			10/03/24 13:07	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			10/03/24 13:07	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			10/03/24 13:07	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/03/24 13:07	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/03/24 13:07	1
2-Butanone (MEK)	ND		10	0.50	ug/L			10/03/24 13:07	1
2-Hexanone	ND		10	0.85	ug/L			10/03/24 13:07	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.50	ug/L			10/03/24 13:07	1
Acetone	ND		20	0.70	ug/L			10/03/24 13:07	1
Benzene	ND		1.0	0.30	ug/L			10/03/24 13:07	1
Bromochloromethane	ND		5.0	0.20	ug/L			10/03/24 13:07	1
Bromodichloromethane	ND		1.0	0.20	ug/L			10/03/24 13:07	1
Bromoform	ND		4.0	1.0	ug/L			10/03/24 13:07	1
Bromomethane	ND		1.0	0.30	ug/L			10/03/24 13:07	1
Carbon disulfide	ND		5.0	0.30	ug/L			10/03/24 13:07	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			10/03/24 13:07	1
Chlorobenzene	ND		1.0	0.30	ug/L			10/03/24 13:07	1
Chloroethane	ND		1.0	0.30	ug/L			10/03/24 13:07	1
Chloroform	ND		1.0	0.30	ug/L			10/03/24 13:07	1
Chloromethane	ND		2.0	0.55	ug/L			10/03/24 13:07	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			10/03/24 13:07	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/03/24 13:07	1
Dibromochloromethane	ND		1.0	0.20	ug/L			10/03/24 13:07	1
Ethylbenzene	ND		1.0	0.40	ug/L			10/03/24 13:07	1
Methyl tert-butyl ether	ND		1.0	0.20	ug/L			10/03/24 13:07	1
Methylene Chloride	ND		1.0	0.30	ug/L			10/03/24 13:07	1
Styrene	ND		5.0	0.30	ug/L			10/03/24 13:07	1
Tetrachloroethene	ND		1.0	0.30	ug/L			10/03/24 13:07	1
Toluene	**0.45**	**J**	1.0	0.30	ug/L			10/03/24 13:07	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			10/03/24 13:07	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/03/24 13:07	1
Trichloroethene	ND		1.0	0.30	ug/L			10/03/24 13:07	1
Vinyl chloride	ND		1.0	0.30	ug/L			10/03/24 13:07	1
Xylenes, Total	ND		1.0	0.40	ug/L			10/03/24 13:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*10/03/24 13:07*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*10/03/24 13:07*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*10/03/24 13:07*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/03/24 13:07*	*1*

Client Sample ID: HD-QC1-0/1-4

Lab Sample ID: 410-190105-8

Date Collected: 09/26/24 15:05

Matrix: Water

Date Received: 09/27/24 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			10/02/24 00:10	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			10/02/24 00:10	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			10/02/24 00:10	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			10/02/24 00:10	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			10/02/24 00:10	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			10/02/24 00:10	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			10/02/24 00:10	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/02/24 00:10	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/02/24 00:10	1
2-Butanone (MEK)	ND		10	0.50	ug/L			10/02/24 00:10	1
2-Hexanone	ND		10	0.85	ug/L			10/02/24 00:10	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.50	ug/L			10/02/24 00:10	1
Acetone	ND		20	0.70	ug/L			10/02/24 00:10	1
Benzene	ND		1.0	0.30	ug/L			10/02/24 00:10	1
Bromochloromethane	ND		5.0	0.20	ug/L			10/02/24 00:10	1
Bromodichloromethane	ND		1.0	0.20	ug/L			10/02/24 00:10	1
Bromoform	ND		4.0	1.0	ug/L			10/02/24 00:10	1
Bromomethane	ND		1.0	0.30	ug/L			10/02/24 00:10	1
Carbon disulfide	ND		5.0	0.30	ug/L			10/02/24 00:10	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			10/02/24 00:10	1
Chlorobenzene	ND		1.0	0.30	ug/L			10/02/24 00:10	1
Chloroethane	ND		1.0	0.30	ug/L			10/02/24 00:10	1
Chloroform	ND		1.0	0.30	ug/L			10/02/24 00:10	1
Chloromethane	ND		2.0	0.55	ug/L			10/02/24 00:10	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			10/02/24 00:10	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/02/24 00:10	1
Dibromochloromethane	ND		1.0	0.20	ug/L			10/02/24 00:10	1
Ethylbenzene	ND		1.0	0.40	ug/L			10/02/24 00:10	1
Methyl tert-butyl ether	ND		1.0	0.20	ug/L			10/02/24 00:10	1
Methylene Chloride	ND		1.0	0.30	ug/L			10/02/24 00:10	1
Styrene	ND		5.0	0.30	ug/L			10/02/24 00:10	1
Tetrachloroethene	ND		1.0	0.30	ug/L			10/02/24 00:10	1
Toluene	**0.47**	**J**	1.0	0.30	ug/L			10/02/24 00:10	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			10/02/24 00:10	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/02/24 00:10	1
Trichloroethene	ND		1.0	0.30	ug/L			10/02/24 00:10	1
Vinyl chloride	ND		1.0	0.30	ug/L			10/02/24 00:10	1
Xylenes, Total	ND		1.0	0.40	ug/L			10/02/24 00:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*		*10/02/24 00:10*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*10/02/24 00:10*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*10/02/24 00:10*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*10/02/24 00:10*	*1*

Client Sample ID: HD-MW-6-0/1-0

Lab Sample ID: 410-190105-9

Date Collected: 09/26/24 09:07

Matrix: Water

Date Received: 09/27/24 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			10/02/24 04:18	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			10/02/24 04:18	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			10/02/24 04:18	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			10/02/24 04:18	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			10/02/24 04:18	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			10/02/24 04:18	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			10/02/24 04:18	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/02/24 04:18	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/02/24 04:18	1
2-Butanone (MEK)	ND		10	0.50	ug/L			10/02/24 04:18	1
2-Hexanone	ND		10	0.85	ug/L			10/02/24 04:18	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.50	ug/L			10/02/24 04:18	1
Acetone	ND		20	0.70	ug/L			10/02/24 04:18	1
Benzene	ND		1.0	0.30	ug/L			10/02/24 04:18	1
Bromochloromethane	ND		5.0	0.20	ug/L			10/02/24 04:18	1
Bromodichloromethane	ND		1.0	0.20	ug/L			10/02/24 04:18	1
Bromoform	ND		4.0	1.0	ug/L			10/02/24 04:18	1
Bromomethane	ND		1.0	0.30	ug/L			10/02/24 04:18	1
Carbon disulfide	ND		5.0	0.30	ug/L			10/02/24 04:18	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			10/02/24 04:18	1
Chlorobenzene	ND		1.0	0.30	ug/L			10/02/24 04:18	1
Chloroethane	ND		1.0	0.30	ug/L			10/02/24 04:18	1
Chloroform	ND		1.0	0.30	ug/L			10/02/24 04:18	1
Chloromethane	ND		2.0	0.55	ug/L			10/02/24 04:18	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			10/02/24 04:18	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/02/24 04:18	1
Dibromochloromethane	ND		1.0	0.20	ug/L			10/02/24 04:18	1
Ethylbenzene	ND		1.0	0.40	ug/L			10/02/24 04:18	1
Methyl tert-butyl ether	ND		1.0	0.20	ug/L			10/02/24 04:18	1
Methylene Chloride	ND		1.0	0.30	ug/L			10/02/24 04:18	1
Styrene	ND		5.0	0.30	ug/L			10/02/24 04:18	1
Tetrachloroethene	ND		1.0	0.30	ug/L			10/02/24 04:18	1
Toluene	ND		1.0	0.30	ug/L			10/02/24 04:18	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			10/02/24 04:18	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/02/24 04:18	1
Trichloroethene	ND		1.0	0.30	ug/L			10/02/24 04:18	1
Vinyl chloride	ND		1.0	0.30	ug/L			10/02/24 04:18	1
Xylenes, Total	ND		1.0	0.40	ug/L			10/02/24 04:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*		*10/02/24 04:18*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*10/02/24 04:18*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 120*		*10/02/24 04:18*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*10/02/24 04:18*	*1*

Client Sample ID: HD-MW-101S-0/1-0

Lab Sample ID: 410-190105-10

Date Collected: 09/26/24 10:32

Matrix: Water

Date Received: 09/27/24 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			10/02/24 04:40	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			10/02/24 04:40	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			10/02/24 04:40	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			10/02/24 04:40	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			10/02/24 04:40	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			10/02/24 04:40	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			10/02/24 04:40	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/02/24 04:40	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/02/24 04:40	1
2-Butanone (MEK)	ND		10	0.50	ug/L			10/02/24 04:40	1
2-Hexanone	ND		10	0.85	ug/L			10/02/24 04:40	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.50	ug/L			10/02/24 04:40	1
Acetone	ND		20	0.70	ug/L			10/02/24 04:40	1
Benzene	ND		1.0	0.30	ug/L			10/02/24 04:40	1
Bromochloromethane	ND		5.0	0.20	ug/L			10/02/24 04:40	1
Bromodichloromethane	ND		1.0	0.20	ug/L			10/02/24 04:40	1
Bromoform	ND		4.0	1.0	ug/L			10/02/24 04:40	1
Bromomethane	ND		1.0	0.30	ug/L			10/02/24 04:40	1
Carbon disulfide	ND		5.0	0.30	ug/L			10/02/24 04:40	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			10/02/24 04:40	1
Chlorobenzene	ND		1.0	0.30	ug/L			10/02/24 04:40	1
Chloroethane	ND		1.0	0.30	ug/L			10/02/24 04:40	1
Chloroform	ND		1.0	0.30	ug/L			10/02/24 04:40	1
Chloromethane	ND		2.0	0.55	ug/L			10/02/24 04:40	1
cis-1,2-Dichloroethene	**0.42**	**J**	1.0	0.30	ug/L			10/02/24 04:40	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/02/24 04:40	1
Dibromochloromethane	ND		1.0	0.20	ug/L			10/02/24 04:40	1
Ethylbenzene	ND		1.0	0.40	ug/L			10/02/24 04:40	1
Methyl tert-butyl ether	ND		1.0	0.20	ug/L			10/02/24 04:40	1
Methylene Chloride	ND		1.0	0.30	ug/L			10/02/24 04:40	1
Styrene	ND		5.0	0.30	ug/L			10/02/24 04:40	1
Tetrachloroethene	**3.7**		1.0	0.30	ug/L			10/02/24 04:40	1
Toluene	ND		1.0	0.30	ug/L			10/02/24 04:40	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			10/02/24 04:40	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/02/24 04:40	1
Trichloroethene	**0.63**	**J**	1.0	0.30	ug/L			10/02/24 04:40	1
Vinyl chloride	ND		1.0	0.30	ug/L			10/02/24 04:40	1
Xylenes, Total	ND		1.0	0.40	ug/L			10/02/24 04:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*		*10/02/24 04:40*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*10/02/24 04:40*	*1*
Dibromofluoromethane (Surr)	*98*		*80 - 120*		*10/02/24 04:40*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*10/02/24 04:40*	*1*

Client Sample ID: HD-MW-101D-0/1-0

Lab Sample ID: 410-190105-11

Date Collected: 09/26/24 13:15

Matrix: Water

Date Received: 09/27/24 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			10/02/24 05:03	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			10/02/24 05:03	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			10/02/24 05:03	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			10/02/24 05:03	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			10/02/24 05:03	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			10/02/24 05:03	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			10/02/24 05:03	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/02/24 05:03	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/02/24 05:03	1
2-Butanone (MEK)	ND		10	0.50	ug/L			10/02/24 05:03	1
2-Hexanone	ND		10	0.85	ug/L			10/02/24 05:03	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.50	ug/L			10/02/24 05:03	1
Acetone	ND		20	0.70	ug/L			10/02/24 05:03	1
Benzene	**1.6**		1.0	0.30	ug/L			10/02/24 05:03	1
Bromochloromethane	ND		5.0	0.20	ug/L			10/02/24 05:03	1
Bromodichloromethane	ND		1.0	0.20	ug/L			10/02/24 05:03	1
Bromoform	ND		4.0	1.0	ug/L			10/02/24 05:03	1
Bromomethane	ND		1.0	0.30	ug/L			10/02/24 05:03	1
Carbon disulfide	ND		5.0	0.30	ug/L			10/02/24 05:03	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			10/02/24 05:03	1
Chlorobenzene	ND		1.0	0.30	ug/L			10/02/24 05:03	1
Chloroethane	ND		1.0	0.30	ug/L			10/02/24 05:03	1
Chloroform	ND		1.0	0.30	ug/L			10/02/24 05:03	1
Chloromethane	ND		2.0	0.55	ug/L			10/02/24 05:03	1
cis-1,2-Dichloroethene	**6.8**		1.0	0.30	ug/L			10/02/24 05:03	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/02/24 05:03	1
Dibromochloromethane	ND		1.0	0.20	ug/L			10/02/24 05:03	1
Ethylbenzene	ND		1.0	0.40	ug/L			10/02/24 05:03	1
Methyl tert-butyl ether	ND		1.0	0.20	ug/L			10/02/24 05:03	1
Methylene Chloride	ND		1.0	0.30	ug/L			10/02/24 05:03	1
Styrene	ND		5.0	0.30	ug/L			10/02/24 05:03	1
Tetrachloroethene	**3.9**		1.0	0.30	ug/L			10/02/24 05:03	1
Toluene	ND		1.0	0.30	ug/L			10/02/24 05:03	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			10/02/24 05:03	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/02/24 05:03	1
Trichloroethene	**4.2**		1.0	0.30	ug/L			10/02/24 05:03	1
Vinyl chloride	ND		1.0	0.30	ug/L			10/02/24 05:03	1
Xylenes, Total	ND		1.0	0.40	ug/L			10/02/24 05:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*		*10/02/24 05:03*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*10/02/24 05:03*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*10/02/24 05:03*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*10/02/24 05:03*	*1*

Client Sample ID: HD-MW-108S-0/1-0

Lab Sample ID: 410-190105-12

Date Collected: 09/27/24 08:00

Matrix: Water

Date Received: 09/27/24 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			10/02/24 05:25	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			10/02/24 05:25	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			10/02/24 05:25	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			10/02/24 05:25	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			10/02/24 05:25	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			10/02/24 05:25	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			10/02/24 05:25	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/02/24 05:25	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/02/24 05:25	1
2-Butanone (MEK)	ND		10	0.50	ug/L			10/02/24 05:25	1
2-Hexanone	ND		10	0.85	ug/L			10/02/24 05:25	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.50	ug/L			10/02/24 05:25	1
Acetone	ND		20	0.70	ug/L			10/02/24 05:25	1
Benzene	ND		1.0	0.30	ug/L			10/02/24 05:25	1
Bromochloromethane	ND		5.0	0.20	ug/L			10/02/24 05:25	1
Bromodichloromethane	ND		1.0	0.20	ug/L			10/02/24 05:25	1
Bromoform	ND		4.0	1.0	ug/L			10/02/24 05:25	1
Bromomethane	ND		1.0	0.30	ug/L			10/02/24 05:25	1
Carbon disulfide	ND		5.0	0.30	ug/L			10/02/24 05:25	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			10/02/24 05:25	1
Chlorobenzene	ND		1.0	0.30	ug/L			10/02/24 05:25	1
Chloroethane	ND		1.0	0.30	ug/L			10/02/24 05:25	1
Chloroform	**3.7**		1.0	0.30	ug/L			10/02/24 05:25	1
Chloromethane	ND		2.0	0.55	ug/L			10/02/24 05:25	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			10/02/24 05:25	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/02/24 05:25	1
Dibromochloromethane	ND		1.0	0.20	ug/L			10/02/24 05:25	1
Ethylbenzene	ND		1.0	0.40	ug/L			10/02/24 05:25	1
Methyl tert-butyl ether	ND		1.0	0.20	ug/L			10/02/24 05:25	1
Methylene Chloride	ND		1.0	0.30	ug/L			10/02/24 05:25	1
Styrene	ND		5.0	0.30	ug/L			10/02/24 05:25	1
Tetrachloroethene	ND		1.0	0.30	ug/L			10/02/24 05:25	1
Toluene	ND		1.0	0.30	ug/L			10/02/24 05:25	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			10/02/24 05:25	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/02/24 05:25	1
Trichloroethene	ND		1.0	0.30	ug/L			10/02/24 05:25	1
Vinyl chloride	ND		1.0	0.30	ug/L			10/02/24 05:25	1
Xylenes, Total	ND		1.0	0.40	ug/L			10/02/24 05:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*80 - 120*		*10/02/24 05:25*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*10/02/24 05:25*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*10/02/24 05:25*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*10/02/24 05:25*	*1*

Client Sample ID: HD-MW-20S-0/1-0

Lab Sample ID: 410-190105-13

Date Collected: 09/27/24 08:20

Matrix: Water

Date Received: 09/27/24 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			10/02/24 05:48	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			10/02/24 05:48	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			10/02/24 05:48	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			10/02/24 05:48	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			10/02/24 05:48	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			10/02/24 05:48	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			10/02/24 05:48	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/02/24 05:48	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/02/24 05:48	1
2-Butanone (MEK)	ND		10	0.50	ug/L			10/02/24 05:48	1
2-Hexanone	ND		10	0.85	ug/L			10/02/24 05:48	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.50	ug/L			10/02/24 05:48	1
Acetone	ND		20	0.70	ug/L			10/02/24 05:48	1
Benzene	ND		1.0	0.30	ug/L			10/02/24 05:48	1
Bromochloromethane	ND		5.0	0.20	ug/L			10/02/24 05:48	1
Bromodichloromethane	ND		1.0	0.20	ug/L			10/02/24 05:48	1
Bromoform	ND		4.0	1.0	ug/L			10/02/24 05:48	1
Bromomethane	ND		1.0	0.30	ug/L			10/02/24 05:48	1
Carbon disulfide	ND		5.0	0.30	ug/L			10/02/24 05:48	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			10/02/24 05:48	1
Chlorobenzene	ND		1.0	0.30	ug/L			10/02/24 05:48	1
Chloroethane	ND		1.0	0.30	ug/L			10/02/24 05:48	1
Chloroform	**0.48**	**J**	1.0	0.30	ug/L			10/02/24 05:48	1
Chloromethane	ND		2.0	0.55	ug/L			10/02/24 05:48	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			10/02/24 05:48	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/02/24 05:48	1
Dibromochloromethane	ND		1.0	0.20	ug/L			10/02/24 05:48	1
Ethylbenzene	ND		1.0	0.40	ug/L			10/02/24 05:48	1
Methyl tert-butyl ether	ND		1.0	0.20	ug/L			10/02/24 05:48	1
Methylene Chloride	ND		1.0	0.30	ug/L			10/02/24 05:48	1
Styrene	ND		5.0	0.30	ug/L			10/02/24 05:48	1
Tetrachloroethene	**1.7**		1.0	0.30	ug/L			10/02/24 05:48	1
Toluene	ND		1.0	0.30	ug/L			10/02/24 05:48	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			10/02/24 05:48	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/02/24 05:48	1
Trichloroethene	**7.7**		1.0	0.30	ug/L			10/02/24 05:48	1
Vinyl chloride	ND		1.0	0.30	ug/L			10/02/24 05:48	1
Xylenes, Total	ND		1.0	0.40	ug/L			10/02/24 05:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*		*10/02/24 05:48*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*10/02/24 05:48*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*10/02/24 05:48*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*10/02/24 05:48*	*1*

Client Sample ID: HD-MW-20M-0/1-0
Lab Sample ID: 410-190105-14

Date Collected: 09/27/24 08:30
Matrix: Water
Date Received: 09/27/24 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			10/02/24 06:10	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			10/02/24 06:10	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			10/02/24 06:10	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			10/02/24 06:10	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			10/02/24 06:10	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			10/02/24 06:10	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			10/02/24 06:10	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/02/24 06:10	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/02/24 06:10	1
2-Butanone (MEK)	ND		10	0.50	ug/L			10/02/24 06:10	1
2-Hexanone	ND		10	0.85	ug/L			10/02/24 06:10	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.50	ug/L			10/02/24 06:10	1
Acetone	ND		20	0.70	ug/L			10/02/24 06:10	1
Benzene	ND		1.0	0.30	ug/L			10/02/24 06:10	1
Bromochloromethane	ND		5.0	0.20	ug/L			10/02/24 06:10	1
Bromodichloromethane	ND		1.0	0.20	ug/L			10/02/24 06:10	1
Bromoform	ND		4.0	1.0	ug/L			10/02/24 06:10	1
Bromomethane	ND		1.0	0.30	ug/L			10/02/24 06:10	1
Carbon disulfide	ND		5.0	0.30	ug/L			10/02/24 06:10	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			10/02/24 06:10	1
Chlorobenzene	ND		1.0	0.30	ug/L			10/02/24 06:10	1
Chloroethane	ND		1.0	0.30	ug/L			10/02/24 06:10	1
Chloroform	**0.34**	**J**	1.0	0.30	ug/L			10/02/24 06:10	1
Chloromethane	ND		2.0	0.55	ug/L			10/02/24 06:10	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			10/02/24 06:10	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/02/24 06:10	1
Dibromochloromethane	ND		1.0	0.20	ug/L			10/02/24 06:10	1
Ethylbenzene	ND		1.0	0.40	ug/L			10/02/24 06:10	1
Methyl tert-butyl ether	ND		1.0	0.20	ug/L			10/02/24 06:10	1
Methylene Chloride	ND		1.0	0.30	ug/L			10/02/24 06:10	1
Styrene	ND		5.0	0.30	ug/L			10/02/24 06:10	1
Tetrachloroethene	**0.51**	**J**	1.0	0.30	ug/L			10/02/24 06:10	1
Toluene	ND		1.0	0.30	ug/L			10/02/24 06:10	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			10/02/24 06:10	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/02/24 06:10	1
Trichloroethene	**14**		1.0	0.30	ug/L			10/02/24 06:10	1
Vinyl chloride	ND		1.0	0.30	ug/L			10/02/24 06:10	1
Xylenes, Total	ND		1.0	0.40	ug/L			10/02/24 06:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 120*		*10/02/24 06:10*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*10/02/24 06:10*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*10/02/24 06:10*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*10/02/24 06:10*	*1*

Client Sample ID: HD-MW-14-0/1-0

Lab Sample ID: 410-190105-15

Date Collected: 09/27/24 09:40

Matrix: Water

Date Received: 09/27/24 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			10/02/24 06:33	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			10/02/24 06:33	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			10/02/24 06:33	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			10/02/24 06:33	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			10/02/24 06:33	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			10/02/24 06:33	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			10/02/24 06:33	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/02/24 06:33	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/02/24 06:33	1
2-Butanone (MEK)	ND		10	0.50	ug/L			10/02/24 06:33	1
2-Hexanone	ND		10	0.85	ug/L			10/02/24 06:33	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.50	ug/L			10/02/24 06:33	1
Acetone	ND		20	0.70	ug/L			10/02/24 06:33	1
Benzene	ND		1.0	0.30	ug/L			10/02/24 06:33	1
Bromochloromethane	ND		5.0	0.20	ug/L			10/02/24 06:33	1
Bromodichloromethane	ND		1.0	0.20	ug/L			10/02/24 06:33	1
Bromoform	ND		4.0	1.0	ug/L			10/02/24 06:33	1
Bromomethane	ND		1.0	0.30	ug/L			10/02/24 06:33	1
Carbon disulfide	ND		5.0	0.30	ug/L			10/02/24 06:33	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			10/02/24 06:33	1
Chlorobenzene	ND		1.0	0.30	ug/L			10/02/24 06:33	1
Chloroethane	ND		1.0	0.30	ug/L			10/02/24 06:33	1
Chloroform	**0.33**	**J**	1.0	0.30	ug/L			10/02/24 06:33	1
Chloromethane	ND		2.0	0.55	ug/L			10/02/24 06:33	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			10/02/24 06:33	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/02/24 06:33	1
Dibromochloromethane	ND		1.0	0.20	ug/L			10/02/24 06:33	1
Ethylbenzene	ND		1.0	0.40	ug/L			10/02/24 06:33	1
Methyl tert-butyl ether	ND		1.0	0.20	ug/L			10/02/24 06:33	1
Methylene Chloride	ND		1.0	0.30	ug/L			10/02/24 06:33	1
Styrene	ND		5.0	0.30	ug/L			10/02/24 06:33	1
Tetrachloroethene	**2.9**		1.0	0.30	ug/L			10/02/24 06:33	1
Toluene	ND		1.0	0.30	ug/L			10/02/24 06:33	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			10/02/24 06:33	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/02/24 06:33	1
Trichloroethene	ND		1.0	0.30	ug/L			10/02/24 06:33	1
Vinyl chloride	ND		1.0	0.30	ug/L			10/02/24 06:33	1
Xylenes, Total	ND		1.0	0.40	ug/L			10/02/24 06:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*80 - 120*		*10/02/24 06:33*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*10/02/24 06:33*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*10/02/24 06:33*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*10/02/24 06:33*	*1*

Client Sample ID: HD-MW-22-0/1-0

Lab Sample ID: 410-190105-16

Date Collected: 09/27/24 11:02

Matrix: Water

Date Received: 09/27/24 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			10/02/24 00:55	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			10/02/24 00:55	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			10/02/24 00:55	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			10/02/24 00:55	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			10/02/24 00:55	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			10/02/24 00:55	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			10/02/24 00:55	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/02/24 00:55	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/02/24 00:55	1
2-Butanone (MEK)	ND		10	0.50	ug/L			10/02/24 00:55	1
2-Hexanone	ND		10	0.85	ug/L			10/02/24 00:55	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.50	ug/L			10/02/24 00:55	1
Acetone	ND		20	0.70	ug/L			10/02/24 00:55	1
Benzene	ND		1.0	0.30	ug/L			10/02/24 00:55	1
Bromochloromethane	ND		5.0	0.20	ug/L			10/02/24 00:55	1
Bromodichloromethane	ND		1.0	0.20	ug/L			10/02/24 00:55	1
Bromoform	ND		4.0	1.0	ug/L			10/02/24 00:55	1
Bromomethane	ND		1.0	0.30	ug/L			10/02/24 00:55	1
Carbon disulfide	ND		5.0	0.30	ug/L			10/02/24 00:55	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			10/02/24 00:55	1
Chlorobenzene	ND		1.0	0.30	ug/L			10/02/24 00:55	1
Chloroethane	ND		1.0	0.30	ug/L			10/02/24 00:55	1
Chloroform	ND		1.0	0.30	ug/L			10/02/24 00:55	1
Chloromethane	ND		2.0	0.55	ug/L			10/02/24 00:55	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			10/02/24 00:55	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/02/24 00:55	1
Dibromochloromethane	ND		1.0	0.20	ug/L			10/02/24 00:55	1
Ethylbenzene	ND		1.0	0.40	ug/L			10/02/24 00:55	1
Methyl tert-butyl ether	ND		1.0	0.20	ug/L			10/02/24 00:55	1
Methylene Chloride	ND		1.0	0.30	ug/L			10/02/24 00:55	1
Styrene	ND		5.0	0.30	ug/L			10/02/24 00:55	1
Tetrachloroethene	**4.9**		1.0	0.30	ug/L			10/02/24 00:55	1
Toluene	ND		1.0	0.30	ug/L			10/02/24 00:55	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			10/02/24 00:55	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/02/24 00:55	1
Trichloroethene	**1.8**		1.0	0.30	ug/L			10/02/24 00:55	1
Vinyl chloride	ND		1.0	0.30	ug/L			10/02/24 00:55	1
Xylenes, Total	ND		1.0	0.40	ug/L			10/02/24 00:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*		*10/02/24 00:55*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*10/02/24 00:55*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*10/02/24 00:55*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*10/02/24 00:55*	*1*

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

Lab Sample ID: 410-190105-17

Date Collected: 09/27/24 08:00

Matrix: Water

Date Received: 09/27/24 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			10/08/24 18:50	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			10/08/24 18:50	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			10/08/24 18:50	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			10/08/24 18:50	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			10/08/24 18:50	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			10/08/24 18:50	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			10/08/24 18:50	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/08/24 18:50	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/08/24 18:50	1
2-Butanone (MEK)	ND		10	0.50	ug/L			10/08/24 18:50	1
2-Hexanone	ND		10	0.85	ug/L			10/08/24 18:50	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.50	ug/L			10/08/24 18:50	1
Acetone	ND		20	0.70	ug/L			10/08/24 18:50	1
Benzene	ND		1.0	0.30	ug/L			10/08/24 18:50	1
Bromochloromethane	ND		5.0	0.20	ug/L			10/08/24 18:50	1
Bromodichloromethane	ND		1.0	0.20	ug/L			10/08/24 18:50	1
Bromoform	ND		4.0	1.0	ug/L			10/08/24 18:50	1
Bromomethane	ND		1.0	0.30	ug/L			10/08/24 18:50	1
Carbon disulfide	ND		5.0	0.30	ug/L			10/08/24 18:50	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			10/08/24 18:50	1
Chlorobenzene	ND		1.0	0.30	ug/L			10/08/24 18:50	1
Chloroethane	ND		1.0	0.30	ug/L			10/08/24 18:50	1
Chloroform	ND		1.0	0.30	ug/L			10/08/24 18:50	1
Chloromethane	ND		2.0	0.55	ug/L			10/08/24 18:50	1
cis-1,2-Dichloroethene	**16**		1.0	0.30	ug/L			10/08/24 18:50	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/08/24 18:50	1
Dibromochloromethane	ND		1.0	0.20	ug/L			10/08/24 18:50	1
Ethylbenzene	ND		1.0	0.40	ug/L			10/08/24 18:50	1
Methyl tert-butyl ether	ND		1.0	0.20	ug/L			10/08/24 18:50	1
Methylene Chloride	ND		1.0	0.30	ug/L			10/08/24 18:50	1
Styrene	ND		5.0	0.30	ug/L			10/08/24 18:50	1
Tetrachloroethene	ND		1.0	0.30	ug/L			10/08/24 18:50	1
Toluene	ND		1.0	0.30	ug/L			10/08/24 18:50	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			10/08/24 18:50	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/08/24 18:50	1
Trichloroethene	**4.2**		1.0	0.30	ug/L			10/08/24 18:50	1
Vinyl chloride	**0.48**	**J**	1.0	0.30	ug/L			10/08/24 18:50	1
Xylenes, Total	ND		1.0	0.40	ug/L			10/08/24 18:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*10/08/24 18:50*	*1*
4-Bromofluorobenzene (Surr)	*88*		*80 - 120*		*10/08/24 18:50*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*10/08/24 18:50*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*10/08/24 18:50*	*1*

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

Lab Sample ID: 410-190105-18

Date Collected: 09/25/24 00:00

Matrix: Water

Date Received: 09/27/24 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			10/02/24 00:33	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			10/02/24 00:33	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			10/02/24 00:33	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			10/02/24 00:33	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			10/02/24 00:33	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			10/02/24 00:33	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			10/02/24 00:33	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/02/24 00:33	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/02/24 00:33	1
2-Butanone (MEK)	ND		10	0.50	ug/L			10/02/24 00:33	1
2-Hexanone	ND		10	0.85	ug/L			10/02/24 00:33	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.50	ug/L			10/02/24 00:33	1
Acetone	ND		20	0.70	ug/L			10/02/24 00:33	1
Benzene	ND		1.0	0.30	ug/L			10/02/24 00:33	1
Bromochloromethane	ND		5.0	0.20	ug/L			10/02/24 00:33	1
Bromodichloromethane	ND		1.0	0.20	ug/L			10/02/24 00:33	1
Bromoform	ND		4.0	1.0	ug/L			10/02/24 00:33	1
Bromomethane	ND		1.0	0.30	ug/L			10/02/24 00:33	1
Carbon disulfide	ND		5.0	0.30	ug/L			10/02/24 00:33	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			10/02/24 00:33	1
Chlorobenzene	ND		1.0	0.30	ug/L			10/02/24 00:33	1
Chloroethane	ND		1.0	0.30	ug/L			10/02/24 00:33	1
Chloroform	ND		1.0	0.30	ug/L			10/02/24 00:33	1
Chloromethane	ND		2.0	0.55	ug/L			10/02/24 00:33	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			10/02/24 00:33	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/02/24 00:33	1
Dibromochloromethane	ND		1.0	0.20	ug/L			10/02/24 00:33	1
Ethylbenzene	ND		1.0	0.40	ug/L			10/02/24 00:33	1
Methyl tert-butyl ether	ND		1.0	0.20	ug/L			10/02/24 00:33	1
Methylene Chloride	ND		1.0	0.30	ug/L			10/02/24 00:33	1
Styrene	ND		5.0	0.30	ug/L			10/02/24 00:33	1
Tetrachloroethene	ND		1.0	0.30	ug/L			10/02/24 00:33	1
Toluene	ND		1.0	0.30	ug/L			10/02/24 00:33	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			10/02/24 00:33	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/02/24 00:33	1
Trichloroethene	ND		1.0	0.30	ug/L			10/02/24 00:33	1
Vinyl chloride	ND		1.0	0.30	ug/L			10/02/24 00:33	1
Xylenes, Total	ND		1.0	0.40	ug/L			10/02/24 00:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 120*		*10/02/24 00:33*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*10/02/24 00:33*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*10/02/24 00:33*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*10/02/24 00:33*	*1*

Client Sample ID: HD-MW-9-0/1-0

Lab Sample ID: 410-190105-19

Date Collected: 09/27/24 11:30

Matrix: Water

Date Received: 09/27/24 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			10/02/24 06:55	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			10/02/24 06:55	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			10/02/24 06:55	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			10/02/24 06:55	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			10/02/24 06:55	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			10/02/24 06:55	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			10/02/24 06:55	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/02/24 06:55	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/02/24 06:55	1
2-Butanone (MEK)	ND		10	0.50	ug/L			10/02/24 06:55	1
2-Hexanone	ND		10	0.85	ug/L			10/02/24 06:55	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.50	ug/L			10/02/24 06:55	1
Acetone	ND		20	0.70	ug/L			10/02/24 06:55	1
Benzene	ND		1.0	0.30	ug/L			10/02/24 06:55	1
Bromochloromethane	ND		5.0	0.20	ug/L			10/02/24 06:55	1
Bromodichloromethane	ND		1.0	0.20	ug/L			10/02/24 06:55	1
Bromoform	ND		4.0	1.0	ug/L			10/02/24 06:55	1
Bromomethane	ND		1.0	0.30	ug/L			10/02/24 06:55	1
Carbon disulfide	ND		5.0	0.30	ug/L			10/02/24 06:55	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			10/02/24 06:55	1
Chlorobenzene	ND		1.0	0.30	ug/L			10/02/24 06:55	1
Chloroethane	ND		1.0	0.30	ug/L			10/02/24 06:55	1
Chloroform	ND		1.0	0.30	ug/L			10/02/24 06:55	1
Chloromethane	ND		2.0	0.55	ug/L			10/02/24 06:55	1
cis-1,2-Dichloroethene	**15**		1.0	0.30	ug/L			10/02/24 06:55	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/02/24 06:55	1
Dibromochloromethane	ND		1.0	0.20	ug/L			10/02/24 06:55	1
Ethylbenzene	ND		1.0	0.40	ug/L			10/02/24 06:55	1
Methyl tert-butyl ether	ND		1.0	0.20	ug/L			10/02/24 06:55	1
Methylene Chloride	ND		1.0	0.30	ug/L			10/02/24 06:55	1
Styrene	ND		5.0	0.30	ug/L			10/02/24 06:55	1
Tetrachloroethene	ND		1.0	0.30	ug/L			10/02/24 06:55	1
Toluene	ND		1.0	0.30	ug/L			10/02/24 06:55	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			10/02/24 06:55	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/02/24 06:55	1
Trichloroethene	**4.0**		1.0	0.30	ug/L			10/02/24 06:55	1
Vinyl chloride	**0.45**	**J**	1.0	0.30	ug/L			10/02/24 06:55	1
Xylenes, Total	ND		1.0	0.40	ug/L			10/02/24 06:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*10/02/24 06:55*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*10/02/24 06:55*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 120*		*10/02/24 06:55*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*10/02/24 06:55*	*1*

Default Detection Limits

Client: Groundwater Sciences Corporation
Job ID: 410-190105-1
Project/Site: 2024 Comprehensive Sampling

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

Analyte	RL	MDL	Units
1,1,1,2-Tetrachloroethane	1.0	0.30	ug/L
1,1,1-Trichloroethane	1.0	0.30	ug/L
1,1,2,2-Tetrachloroethane	1.0	0.30	ug/L
1,1,2-Trichloroethane	1.0	0.30	ug/L
1,1-Dichloroethane	1.0	0.30	ug/L
1,1-Dichloroethene	1.0	0.30	ug/L
1,2-Dibromoethane (EDB)	1.0	0.20	ug/L
1,2-Dichloroethane	1.0	0.30	ug/L
1,2-Dichloropropane	1.0	0.30	ug/L
2-Butanone (MEK)	10	0.50	ug/L
2-Hexanone	10	0.85	ug/L
4-Methyl-2-pentanone (MIBK)	10	0.50	ug/L
Acetone	20	0.70	ug/L
Benzene	1.0	0.30	ug/L
Bromochloromethane	5.0	0.20	ug/L
Bromodichloromethane	1.0	0.20	ug/L
Bromoform	4.0	1.0	ug/L
Bromomethane	1.0	0.30	ug/L
Carbon disulfide	5.0	0.30	ug/L
Carbon tetrachloride	1.0	0.30	ug/L
Chlorobenzene	1.0	0.30	ug/L
Chloroethane	1.0	0.30	ug/L
Chloroform	1.0	0.30	ug/L
Chloromethane	2.0	0.55	ug/L
cis-1,2-Dichloroethene	1.0	0.30	ug/L
cis-1,3-Dichloropropene	1.0	0.20	ug/L
Dibromochloromethane	1.0	0.20	ug/L
Ethylbenzene	1.0	0.40	ug/L
Methyl tert-butyl ether	1.0	0.20	ug/L
Methylene Chloride	1.0	0.30	ug/L
Styrene	5.0	0.30	ug/L
Tetrachloroethene	1.0	0.30	ug/L
Toluene	1.0	0.30	ug/L
trans-1,2-Dichloroethene	2.0	0.70	ug/L
trans-1,3-Dichloropropene	1.0	0.20	ug/L
Trichloroethene	1.0	0.30	ug/L
Vinyl chloride	1.0	0.30	ug/L
Xylenes, Total	1.0	0.40	ug/L

Surrogate Summary

Client: Groundwater Sciences Corporation
Project/Site: 2024 Comprehensive Sampling

Job ID: 410-190105-1

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)
410-190105-1	HD-MW-88-0/1-0	101	97	99	103
410-190105-2	HD-MW-5-0/1-0	97	96	98	102
410-190105-3	HD-MW-108D-0/1-0	100	97	100	103
410-190105-4	HD-MW-166-0/1-0	101	97	99	103
410-190105-5	HD-MW-167-0/1-0	101	97	100	103
410-190105-6	HD-MW-168-0/1-0	99	98	99	102
410-190105-7	HD-QC1-0/1-3	101	99	103	100
410-190105-8	HD-QC1-0/1-4	99	97	99	102
410-190105-9	HD-MW-6-0/1-0	102	97	101	102
410-190105-10	HD-MW-101S-0/1-0	99	97	98	102
410-190105-11	HD-MW-101D-0/1-0	100	98	99	102
410-190105-12	HD-MW-108S-0/1-0	97	96	99	103
410-190105-13	HD-MW-20S-0/1-0	100	98	99	104
410-190105-14	HD-MW-20M-0/1-0	98	96	99	104
410-190105-15	HD-MW-14-0/1-0	97	97	100	102
410-190105-16	HD-MW-22-0/1-0	99	97	100	103
410-190105-16 MS	HD-MW-22-0/1-0MS	98	97	99	103
410-190105-16 MSD	HD-MW-22-0/1-0MSD	98	96	99	103
410-190105-17	HD-QC1-0/1-1	101	88	99	104
410-190105-18	HD-QC1-0/1-2	98	96	100	104
410-190105-19	HD-MW-9-0/1-0	101	98	101	103
LCS 410-558100/4	Lab Control Sample	99	99	98	103
LCS 410-558854/5	Lab Control Sample	102	101	105	102
LCS 410-560477/8	Lab Control Sample	102	92	98	105
LCSD 410-558100/5	Lab Control Sample Dup	99	97	98	102
LCSD 410-558854/6	Lab Control Sample Dup	98	98	100	99
MB 410-558100/7	Method Blank	102	96	101	104
MB 410-558854/10	Method Blank	100	98	102	100
MB 410-560477/7	Method Blank	103	90	100	104

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 410-558100/7
Matrix: Water
Analysis Batch: 558100

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		1.0	0.30	ug/L			10/01/24 22:58	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			10/01/24 22:58	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			10/01/24 22:58	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			10/01/24 22:58	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			10/01/24 22:58	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			10/01/24 22:58	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			10/01/24 22:58	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/01/24 22:58	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/01/24 22:58	1
2-Butanone (MEK)	ND		10	0.50	ug/L			10/01/24 22:58	1
2-Hexanone	ND		10	0.85	ug/L			10/01/24 22:58	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.50	ug/L			10/01/24 22:58	1
Acetone	ND		20	0.70	ug/L			10/01/24 22:58	1
Benzene	ND		1.0	0.30	ug/L			10/01/24 22:58	1
Bromochloromethane	ND		5.0	0.20	ug/L			10/01/24 22:58	1
Bromodichloromethane	ND		1.0	0.20	ug/L			10/01/24 22:58	1
Bromoform	ND		4.0	1.0	ug/L			10/01/24 22:58	1
Bromomethane	ND		1.0	0.30	ug/L			10/01/24 22:58	1
Carbon disulfide	ND		5.0	0.30	ug/L			10/01/24 22:58	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			10/01/24 22:58	1
Chlorobenzene	ND		1.0	0.30	ug/L			10/01/24 22:58	1
Chloroethane	ND		1.0	0.30	ug/L			10/01/24 22:58	1
Chloroform	ND		1.0	0.30	ug/L			10/01/24 22:58	1
Chloromethane	ND		2.0	0.55	ug/L			10/01/24 22:58	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			10/01/24 22:58	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/01/24 22:58	1
Dibromochloromethane	ND		1.0	0.20	ug/L			10/01/24 22:58	1
Ethylbenzene	ND		1.0	0.40	ug/L			10/01/24 22:58	1
Methyl tert-butyl ether	ND		1.0	0.20	ug/L			10/01/24 22:58	1
Methylene Chloride	ND		1.0	0.30	ug/L			10/01/24 22:58	1
Styrene	ND		5.0	0.30	ug/L			10/01/24 22:58	1
Tetrachloroethene	ND		1.0	0.30	ug/L			10/01/24 22:58	1
Toluene	ND		1.0	0.30	ug/L			10/01/24 22:58	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			10/01/24 22:58	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/01/24 22:58	1
Trichloroethene	ND		1.0	0.30	ug/L			10/01/24 22:58	1
Vinyl chloride	ND		1.0	0.30	ug/L			10/01/24 22:58	1
Xylenes, Total	ND		1.0	0.40	ug/L			10/01/24 22:58	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*		*10/01/24 22:58*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*10/01/24 22:58*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 120*		*10/01/24 22:58*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*10/01/24 22:58*	*1*

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

Lab Sample ID: LCS 410-558100/4
Matrix: Water
Analysis Batch: 558100

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	20.0	17.6		ug/L		88	79 - 120
1,1,1-Trichloroethane	20.0	16.9		ug/L		85	73 - 120
1,1,2,2-Tetrachloroethane	20.0	18.3		ug/L		91	72 - 120
1,1,2-Trichloroethane	20.0	18.6		ug/L		93	80 - 120
1,1-Dichloroethane	20.0	18.8		ug/L		94	80 - 120
1,1-Dichloroethene	20.0	18.3		ug/L		92	80 - 131
1,2-Dibromoethane (EDB)	20.0	18.0		ug/L		90	77 - 120
1,2-Dichloroethane	20.0	17.3		ug/L		86	73 - 124
1,2-Dichloropropane	20.0	18.4		ug/L		92	80 - 120
2-Butanone (MEK)	250	230		ug/L		92	59 - 135
2-Hexanone	250	237		ug/L		95	56 - 135
4-Methyl-2-pentanone (MIBK)	250	231		ug/L		92	62 - 133
Acetone	250	251		ug/L		100	57 - 143
Benzene	20.0	18.0		ug/L		90	80 - 120
Bromochloromethane	20.0	18.3		ug/L		92	80 - 120
Bromodichloromethane	20.0	17.1		ug/L		85	71 - 120
Bromoform	20.0	15.7		ug/L		78	51 - 120
Bromomethane	20.0	16.7		ug/L		83	53 - 128
Carbon disulfide	20.0	16.0		ug/L		80	65 - 128
Carbon tetrachloride	20.0	16.9		ug/L		84	64 - 134
Chlorobenzene	20.0	18.0		ug/L		90	80 - 120
Chloroethane	20.0	17.6		ug/L		88	55 - 123
Chloroform	20.0	17.3		ug/L		87	80 - 120
Chloromethane	20.0	16.2		ug/L		81	39 - 134
cis-1,2-Dichloroethene	20.0	17.8		ug/L		89	80 - 125
cis-1,3-Dichloropropene	20.0	16.3		ug/L		81	75 - 120
Dibromochloromethane	20.0	17.0		ug/L		85	71 - 120
Ethylbenzene	20.0	17.4		ug/L		87	80 - 120
Methyl tert-butyl ether	20.0	18.4		ug/L		92	69 - 122
Methylene Chloride	20.0	18.4		ug/L		92	80 - 120
Styrene	20.0	18.0		ug/L		90	80 - 120
Tetrachloroethene	20.0	17.6		ug/L		88	80 - 120
Toluene	20.0	18.5		ug/L		93	80 - 120
trans-1,2-Dichloroethene	20.0	18.3		ug/L		92	80 - 126
trans-1,3-Dichloropropene	20.0	17.1		ug/L		85	67 - 120
Trichloroethene	20.0	17.8		ug/L		89	80 - 120
Vinyl chloride	20.0	16.3		ug/L		81	56 - 120
Xylenes, Total	60.0	52.7		ug/L		88	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*
Dibromofluoromethane (Surr)	*98*		*80 - 120*
Toluene-d8 (Surr)	*103*		*80 - 120*

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

Lab Sample ID: LCSD 410-558100/5
Matrix: Water
Analysis Batch: 558100

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	20.0	17.7		ug/L		89	79 - 120	1	30
1,1,1-Trichloroethane	20.0	17.1		ug/L		86	73 - 120	1	30
1,1,2,2-Tetrachloroethane	20.0	19.0		ug/L		95	72 - 120	4	30
1,1,2-Trichloroethane	20.0	18.2		ug/L		91	80 - 120	2	30
1,1-Dichloroethane	20.0	18.9		ug/L		94	80 - 120	0	30
1,1-Dichloroethene	20.0	18.8		ug/L		94	80 - 131	3	30
1,2-Dibromoethane (EDB)	20.0	18.0		ug/L		90	77 - 120	0	30
1,2-Dichloroethane	20.0	17.7		ug/L		88	73 - 124	2	30
1,2-Dichloropropane	20.0	18.3		ug/L		92	80 - 120	0	30
2-Butanone (MEK)	250	235		ug/L		94	59 - 135	2	30
2-Hexanone	250	236		ug/L		95	56 - 135	0	30
4-Methyl-2-pentanone (MIBK)	250	230		ug/L		92	62 - 133	0	30
Acetone	250	241		ug/L		96	57 - 143	4	30
Benzene	20.0	18.0		ug/L		90	80 - 120	0	30
Bromochloromethane	20.0	18.0		ug/L		90	80 - 120	2	30
Bromodichloromethane	20.0	16.9		ug/L		85	71 - 120	1	30
Bromoform	20.0	15.4		ug/L		77	51 - 120	1	30
Bromomethane	20.0	16.4		ug/L		82	53 - 128	1	30
Carbon disulfide	20.0	15.8		ug/L		79	65 - 128	1	30
Carbon tetrachloride	20.0	17.1		ug/L		85	64 - 134	1	30
Chlorobenzene	20.0	17.7		ug/L		88	80 - 120	2	30
Chloroethane	20.0	17.7		ug/L		88	55 - 123	1	30
Chloroform	20.0	17.6		ug/L		88	80 - 120	2	30
Chloromethane	20.0	15.9		ug/L		80	39 - 134	2	30
cis-1,2-Dichloroethene	20.0	17.8		ug/L		89	80 - 125	0	30
cis-1,3-Dichloropropene	20.0	16.3		ug/L		81	75 - 120	0	30
Dibromochloromethane	20.0	16.8		ug/L		84	71 - 120	1	30
Ethylbenzene	20.0	17.6		ug/L		88	80 - 120	1	30
Methyl tert-butyl ether	20.0	18.0		ug/L		90	69 - 122	2	30
Methylene Chloride	20.0	18.7		ug/L		93	80 - 120	1	30
Styrene	20.0	17.6		ug/L		88	80 - 120	3	30
Tetrachloroethene	20.0	17.5		ug/L		87	80 - 120	1	30
Toluene	20.0	18.4		ug/L		92	80 - 120	1	30
trans-1,2-Dichloroethene	20.0	18.6		ug/L		93	80 - 126	1	30
trans-1,3-Dichloropropene	20.0	16.7		ug/L		84	67 - 120	2	30
Trichloroethene	20.0	17.8		ug/L		89	80 - 120	0	30
Vinyl chloride	20.0	16.2		ug/L		81	56 - 120	0	30
Xylenes, Total	60.0	53.2		ug/L		89	80 - 120	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*
Dibromofluoromethane (Surr)	*98*		*80 - 120*
Toluene-d8 (Surr)	*102*		*80 - 120*

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

Lab Sample ID: 410-190105-16 MS
Matrix: Water
Analysis Batch: 558100

Client Sample ID: HD-MW-22-0/1-0MS
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		20.0	19.6		ug/L		98	75 - 120
1,1,1-Trichloroethane	ND		20.0	20.6		ug/L		103	68 - 120
1,1,2,2-Tetrachloroethane	ND		20.0	19.6		ug/L		98	71 - 122
1,1,2-Trichloroethane	ND		20.0	19.6		ug/L		98	80 - 120
1,1-Dichloroethane	ND		20.0	21.6		ug/L		108	74 - 120
1,1-Dichloroethene	ND		20.0	23.0		ug/L		115	74 - 121
1,2-Dibromoethane (EDB)	ND		20.0	19.2		ug/L		96	80 - 120
1,2-Dichloroethane	ND		20.0	18.8		ug/L		94	69 - 120
1,2-Dichloropropane	ND		20.0	20.3		ug/L		101	77 - 120
2-Butanone (MEK)	ND		250	240		ug/L		96	65 - 131
2-Hexanone	ND		250	244		ug/L		97	67 - 132
4-Methyl-2-pentanone (MIBK)	ND		250	241		ug/L		96	66 - 129
Acetone	ND		250	238		ug/L		95	58 - 141
Benzene	ND		20.0	20.4		ug/L		102	81 - 120
Bromochloromethane	ND		20.0	19.4		ug/L		97	76 - 126
Bromodichloromethane	ND		20.0	18.8		ug/L		94	73 - 120
Bromoform	ND		20.0	16.1		ug/L		81	64 - 125
Bromomethane	ND		20.0	17.8		ug/L		89	43 - 128
Carbon disulfide	ND		20.0	19.5		ug/L		97	75 - 132
Carbon tetrachloride	ND		20.0	20.6		ug/L		103	63 - 128
Chlorobenzene	ND		20.0	19.9		ug/L		100	80 - 120
Chloroethane	ND		20.0	19.6		ug/L		98	60 - 121
Chloroform	ND		20.0	19.7		ug/L		99	74 - 120
Chloromethane	ND		20.0	16.5		ug/L		83	49 - 126
cis-1,2-Dichloroethene	ND		20.0	20.3		ug/L		102	81 - 121
cis-1,3-Dichloropropene	ND		20.0	17.7		ug/L		88	71 - 120
Dibromochloromethane	ND		20.0	18.2		ug/L		91	74 - 120
Ethylbenzene	ND		20.0	19.8		ug/L		99	78 - 120
Methyl tert-butyl ether	ND		20.0	19.5		ug/L		98	75 - 120
Methylene Chloride	ND		20.0	20.9		ug/L		105	77 - 120
Styrene	ND		20.0	19.3		ug/L		97	78 - 120
Tetrachloroethene	4.9		20.0	24.9		ug/L		100	68 - 125
Toluene	ND		20.0	20.7		ug/L		103	79 - 120
trans-1,2-Dichloroethene	ND		20.0	21.4		ug/L		107	74 - 120
trans-1,3-Dichloropropene	ND		20.0	18.0		ug/L		90	72 - 120
Trichloroethene	1.8		20.0	22.2		ug/L		102	76 - 120
Vinyl chloride	ND		20.0	18.7		ug/L		93	52 - 120
Xylenes, Total	ND		60.0	59.5		ug/L		99	78 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 120*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*
Dibromofluoromethane (Surr)	*99*		*80 - 120*
Toluene-d8 (Surr)	*103*		*80 - 120*

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

Lab Sample ID: 410-190105-16 MSD
Matrix: Water
Analysis Batch: 558100

Client Sample ID: HD-MW-22-0/1-0MSD
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		20.0	19.6		ug/L		98	75 - 120	0	30
1,1,1-Trichloroethane	ND		20.0	20.5		ug/L		103	68 - 120	1	30
1,1,2,2-Tetrachloroethane	ND		20.0	20.2		ug/L		101	71 - 122	3	30
1,1,2-Trichloroethane	ND		20.0	19.5		ug/L		97	80 - 120	1	30
1,1-Dichloroethane	ND		20.0	21.0		ug/L		105	74 - 120	3	30
1,1-Dichloroethene	ND		20.0	22.6		ug/L		113	74 - 121	2	30
1,2-Dibromoethane (EDB)	ND		20.0	19.3		ug/L		97	80 - 120	1	30
1,2-Dichloroethane	ND		20.0	18.8		ug/L		94	69 - 120	0	30
1,2-Dichloropropane	ND		20.0	20.4		ug/L		102	77 - 120	1	30
2-Butanone (MEK)	ND		250	237		ug/L		95	65 - 131	1	30
2-Hexanone	ND		250	242		ug/L		97	67 - 132	1	30
4-Methyl-2-pentanone (MIBK)	ND		250	236		ug/L		94	66 - 129	2	30
Acetone	ND		250	252		ug/L		101	58 - 141	6	30
Benzene	ND		20.0	20.3		ug/L		102	81 - 120	0	30
Bromochloromethane	ND		20.0	19.0		ug/L		95	76 - 126	2	30
Bromodichloromethane	ND		20.0	18.7		ug/L		93	73 - 120	0	30
Bromoform	ND		20.0	16.0		ug/L		80	64 - 125	1	30
Bromomethane	ND		20.0	17.6		ug/L		88	43 - 128	1	30
Carbon disulfide	ND		20.0	18.7		ug/L		94	75 - 132	4	30
Carbon tetrachloride	ND		20.0	20.1		ug/L		100	63 - 128	3	30
Chlorobenzene	ND		20.0	20.1		ug/L		101	80 - 120	1	30
Chloroethane	ND		20.0	19.0		ug/L		95	60 - 121	3	30
Chloroform	ND		20.0	19.8		ug/L		99	74 - 120	0	30
Chloromethane	ND		20.0	16.3		ug/L		81	49 - 126	1	30
cis-1,2-Dichloroethene	ND		20.0	20.1		ug/L		100	81 - 121	1	30
cis-1,3-Dichloropropene	ND		20.0	17.7		ug/L		89	71 - 120	0	30
Dibromochloromethane	ND		20.0	18.0		ug/L		90	74 - 120	1	30
Ethylbenzene	ND		20.0	19.8		ug/L		99	78 - 120	0	30
Methyl tert-butyl ether	ND		20.0	19.1		ug/L		95	75 - 120	2	30
Methylene Chloride	ND		20.0	20.8		ug/L		104	77 - 120	1	30
Styrene	ND		20.0	19.5		ug/L		97	78 - 120	1	30
Tetrachloroethene	4.9		20.0	25.8		ug/L		104	68 - 125	3	30
Toluene	ND		20.0	21.0		ug/L		105	79 - 120	2	30
trans-1,2-Dichloroethene	ND		20.0	21.2		ug/L		106	74 - 120	1	30
trans-1,3-Dichloropropene	ND		20.0	18.4		ug/L		92	72 - 120	2	30
Trichloroethene	1.8		20.0	22.0		ug/L		101	76 - 120	1	30
Vinyl chloride	ND		20.0	18.1		ug/L		90	52 - 120	3	30
Xylenes, Total	ND		60.0	59.1		ug/L		99	78 - 120	1	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 120*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*
Dibromofluoromethane (Surr)	*99*		*80 - 120*
Toluene-d8 (Surr)	*103*		*80 - 120*

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

Lab Sample ID: MB 410-558854/10
Matrix: Water
Analysis Batch: 558854

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		1.0	0.30	ug/L			10/03/24 12:01	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			10/03/24 12:01	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			10/03/24 12:01	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			10/03/24 12:01	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			10/03/24 12:01	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			10/03/24 12:01	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			10/03/24 12:01	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/03/24 12:01	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/03/24 12:01	1
2-Butanone (MEK)	ND		10	0.50	ug/L			10/03/24 12:01	1
2-Hexanone	ND		10	0.85	ug/L			10/03/24 12:01	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.50	ug/L			10/03/24 12:01	1
Acetone	ND		20	0.70	ug/L			10/03/24 12:01	1
Benzene	ND		1.0	0.30	ug/L			10/03/24 12:01	1
Bromochloromethane	ND		5.0	0.20	ug/L			10/03/24 12:01	1
Bromodichloromethane	ND		1.0	0.20	ug/L			10/03/24 12:01	1
Bromoform	ND		4.0	1.0	ug/L			10/03/24 12:01	1
Bromomethane	ND		1.0	0.30	ug/L			10/03/24 12:01	1
Carbon disulfide	ND		5.0	0.30	ug/L			10/03/24 12:01	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			10/03/24 12:01	1
Chlorobenzene	ND		1.0	0.30	ug/L			10/03/24 12:01	1
Chloroethane	ND		1.0	0.30	ug/L			10/03/24 12:01	1
Chloroform	ND		1.0	0.30	ug/L			10/03/24 12:01	1
Chloromethane	ND		2.0	0.55	ug/L			10/03/24 12:01	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			10/03/24 12:01	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/03/24 12:01	1
Dibromochloromethane	ND		1.0	0.20	ug/L			10/03/24 12:01	1
Ethylbenzene	ND		1.0	0.40	ug/L			10/03/24 12:01	1
Methyl tert-butyl ether	ND		1.0	0.20	ug/L			10/03/24 12:01	1
Methylene Chloride	ND		1.0	0.30	ug/L			10/03/24 12:01	1
Styrene	ND		5.0	0.30	ug/L			10/03/24 12:01	1
Tetrachloroethene	ND		1.0	0.30	ug/L			10/03/24 12:01	1
Toluene	ND		1.0	0.30	ug/L			10/03/24 12:01	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			10/03/24 12:01	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/03/24 12:01	1
Trichloroethene	ND		1.0	0.30	ug/L			10/03/24 12:01	1
Vinyl chloride	ND		1.0	0.30	ug/L			10/03/24 12:01	1
Xylenes, Total	ND		1.0	0.40	ug/L			10/03/24 12:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*		*10/03/24 12:01*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*10/03/24 12:01*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*10/03/24 12:01*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/03/24 12:01*	*1*

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

Lab Sample ID: LCS 410-558854/5
Matrix: Water
Analysis Batch: 558854

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	20.0	19.4		ug/L		97	79 - 120
1,1,1-Trichloroethane	20.0	19.8		ug/L		99	73 - 120
1,1,2,2-Tetrachloroethane	20.0	18.9		ug/L		95	72 - 120
1,1,2-Trichloroethane	20.0	18.3		ug/L		92	80 - 120
1,1-Dichloroethane	20.0	21.1		ug/L		105	80 - 120
1,1-Dichloroethene	20.0	22.1		ug/L		111	80 - 131
1,2-Dibromoethane (EDB)	20.0	18.0		ug/L		90	77 - 120
1,2-Dichloroethane	20.0	19.4		ug/L		97	73 - 124
1,2-Dichloropropane	20.0	19.1		ug/L		95	80 - 120
2-Butanone (MEK)	250	226		ug/L		90	59 - 135
2-Hexanone	250	240		ug/L		96	56 - 135
4-Methyl-2-pentanone (MIBK)	250	242		ug/L		97	62 - 133
Acetone	250	212		ug/L		85	57 - 143
Benzene	20.0	19.4		ug/L		97	80 - 120
Bromochloromethane	20.0	19.9		ug/L		100	80 - 120
Bromodichloromethane	20.0	18.6		ug/L		93	71 - 120
Bromoform	20.0	17.8		ug/L		89	51 - 120
Bromomethane	20.0	14.1		ug/L		71	53 - 128
Carbon disulfide	20.0	18.6		ug/L		93	65 - 128
Carbon tetrachloride	20.0	19.2		ug/L		96	64 - 134
Chlorobenzene	20.0	19.4		ug/L		97	80 - 120
Chloroethane	20.0	16.3		ug/L		82	55 - 123
Chloroform	20.0	20.5		ug/L		103	80 - 120
Chloromethane	20.0	13.0		ug/L		65	39 - 134
cis-1,2-Dichloroethene	20.0	20.3		ug/L		102	80 - 125
cis-1,3-Dichloropropene	20.0	16.6		ug/L		83	75 - 120
Dibromochloromethane	20.0	18.9		ug/L		94	71 - 120
Ethylbenzene	20.0	19.8		ug/L		99	80 - 120
Methyl tert-butyl ether	20.0	17.4		ug/L		87	69 - 122
Methylene Chloride	20.0	20.1		ug/L		100	80 - 120
Styrene	20.0	19.4		ug/L		97	80 - 120
Tetrachloroethene	20.0	19.8		ug/L		99	80 - 120
Toluene	20.0	19.7		ug/L		99	80 - 120
trans-1,2-Dichloroethene	20.0	21.1		ug/L		106	80 - 126
trans-1,3-Dichloropropene	20.0	17.4		ug/L		87	67 - 120
Trichloroethene	20.0	19.2		ug/L		96	80 - 120
Vinyl chloride	20.0	13.7		ug/L		68	56 - 120
Xylenes, Total	60.0	58.6		ug/L		98	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*
Dibromofluoromethane (Surr)	*105*		*80 - 120*
Toluene-d8 (Surr)	*102*		*80 - 120*

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

Lab Sample ID: LCSD 410-558854/6
Matrix: Water
Analysis Batch: 558854

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	20.0	18.7		ug/L		94	79 - 120	3	30
1,1,1-Trichloroethane	20.0	19.0		ug/L		95	73 - 120	4	30
1,1,2,2-Tetrachloroethane	20.0	18.9		ug/L		95	72 - 120	0	30
1,1,2-Trichloroethane	20.0	18.2		ug/L		91	80 - 120	1	30
1,1-Dichloroethane	20.0	19.6		ug/L		98	80 - 120	7	30
1,1-Dichloroethene	20.0	20.9		ug/L		105	80 - 131	6	30
1,2-Dibromoethane (EDB)	20.0	18.3		ug/L		91	77 - 120	1	30
1,2-Dichloroethane	20.0	18.6		ug/L		93	73 - 124	5	30
1,2-Dichloropropane	20.0	19.0		ug/L		95	80 - 120	0	30
2-Butanone (MEK)	250	223		ug/L		89	59 - 135	1	30
2-Hexanone	250	234		ug/L		94	56 - 135	3	30
4-Methyl-2-pentanone (MIBK)	250	237		ug/L		95	62 - 133	2	30
Acetone	250	241		ug/L		96	57 - 143	13	30
Benzene	20.0	18.7		ug/L		94	80 - 120	4	30
Bromochloromethane	20.0	18.9		ug/L		94	80 - 120	5	30
Bromodichloromethane	20.0	18.8		ug/L		94	71 - 120	1	30
Bromoform	20.0	17.3		ug/L		87	51 - 120	3	30
Bromomethane	20.0	14.1		ug/L		71	53 - 128	0	30
Carbon disulfide	20.0	18.2		ug/L		91	65 - 128	2	30
Carbon tetrachloride	20.0	18.7		ug/L		94	64 - 134	3	30
Chlorobenzene	20.0	19.0		ug/L		95	80 - 120	2	30
Chloroethane	20.0	15.7		ug/L		79	55 - 123	4	30
Chloroform	20.0	19.2		ug/L		96	80 - 120	7	30
Chloromethane	20.0	13.0		ug/L		65	39 - 134	1	30
cis-1,2-Dichloroethene	20.0	19.1		ug/L		96	80 - 125	6	30
cis-1,3-Dichloropropene	20.0	17.0		ug/L		85	75 - 120	2	30
Dibromochloromethane	20.0	17.8		ug/L		89	71 - 120	6	30
Ethylbenzene	20.0	18.9		ug/L		95	80 - 120	4	30
Methyl tert-butyl ether	20.0	17.3		ug/L		86	69 - 122	1	30
Methylene Chloride	20.0	19.2		ug/L		96	80 - 120	5	30
Styrene	20.0	18.9		ug/L		94	80 - 120	3	30
Tetrachloroethene	20.0	19.3		ug/L		97	80 - 120	3	30
Toluene	20.0	19.0		ug/L		95	80 - 120	4	30
trans-1,2-Dichloroethene	20.0	19.8		ug/L		99	80 - 126	6	30
trans-1,3-Dichloropropene	20.0	17.4		ug/L		87	67 - 120	0	30
Trichloroethene	20.0	18.5		ug/L		93	80 - 120	4	30
Vinyl chloride	20.0	13.5		ug/L		67	56 - 120	2	30
Xylenes, Total	60.0	56.1		ug/L		94	80 - 120	4	30

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

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

Lab Sample ID: MB 410-560477/7
Matrix: Water
Analysis Batch: 560477

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		1.0	0.30	ug/L			10/08/24 10:00	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			10/08/24 10:00	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			10/08/24 10:00	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			10/08/24 10:00	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			10/08/24 10:00	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			10/08/24 10:00	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			10/08/24 10:00	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/08/24 10:00	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/08/24 10:00	1
2-Butanone (MEK)	ND		10	0.50	ug/L			10/08/24 10:00	1
2-Hexanone	ND		10	0.85	ug/L			10/08/24 10:00	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.50	ug/L			10/08/24 10:00	1
Acetone	ND		20	0.70	ug/L			10/08/24 10:00	1
Benzene	ND		1.0	0.30	ug/L			10/08/24 10:00	1
Bromochloromethane	ND		5.0	0.20	ug/L			10/08/24 10:00	1
Bromodichloromethane	ND		1.0	0.20	ug/L			10/08/24 10:00	1
Bromoform	ND		4.0	1.0	ug/L			10/08/24 10:00	1
Bromomethane	ND		1.0	0.30	ug/L			10/08/24 10:00	1
Carbon disulfide	ND		5.0	0.30	ug/L			10/08/24 10:00	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			10/08/24 10:00	1
Chlorobenzene	ND		1.0	0.30	ug/L			10/08/24 10:00	1
Chloroethane	ND		1.0	0.30	ug/L			10/08/24 10:00	1
Chloroform	ND		1.0	0.30	ug/L			10/08/24 10:00	1
Chloromethane	ND		2.0	0.55	ug/L			10/08/24 10:00	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			10/08/24 10:00	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/08/24 10:00	1
Dibromochloromethane	ND		1.0	0.20	ug/L			10/08/24 10:00	1
Ethylbenzene	ND		1.0	0.40	ug/L			10/08/24 10:00	1
Methyl tert-butyl ether	ND		1.0	0.20	ug/L			10/08/24 10:00	1
Methylene Chloride	ND		1.0	0.30	ug/L			10/08/24 10:00	1
Styrene	ND		5.0	0.30	ug/L			10/08/24 10:00	1
Tetrachloroethene	ND		1.0	0.30	ug/L			10/08/24 10:00	1
Toluene	ND		1.0	0.30	ug/L			10/08/24 10:00	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			10/08/24 10:00	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/08/24 10:00	1
Trichloroethene	ND		1.0	0.30	ug/L			10/08/24 10:00	1
Vinyl chloride	ND		1.0	0.30	ug/L			10/08/24 10:00	1
Xylenes, Total	ND		1.0	0.40	ug/L			10/08/24 10:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*10/08/24 10:00*	*1*
4-Bromofluorobenzene (Surr)	*90*		*80 - 120*		*10/08/24 10:00*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*10/08/24 10:00*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*10/08/24 10:00*	*1*

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

Lab Sample ID: LCS 410-560477/8
Matrix: Water
Analysis Batch: 560477

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	20.0	18.0		ug/L		90	79 - 120
1,1,1-Trichloroethane	20.0	16.2		ug/L		81	73 - 120
1,1,2,2-Tetrachloroethane	20.0	20.5		ug/L		103	72 - 120
1,1,2-Trichloroethane	20.0	19.7		ug/L		98	80 - 120
1,1-Dichloroethane	20.0	19.0		ug/L		95	80 - 120
1,1-Dichloroethene	20.0	16.7		ug/L		84	80 - 131
1,2-Dibromoethane (EDB)	20.0	19.0		ug/L		95	77 - 120
1,2-Dichloroethane	20.0	17.6		ug/L		88	73 - 124
1,2-Dichloropropane	20.0	19.4		ug/L		97	80 - 120
2-Butanone (MEK)	250	256		ug/L		102	59 - 135
2-Hexanone	250	265		ug/L		106	56 - 135
4-Methyl-2-pentanone (MIBK)	250	242		ug/L		97	62 - 133
Acetone	250	226		ug/L		90	57 - 143
Benzene	20.0	18.1		ug/L		91	80 - 120
Bromochloromethane	20.0	17.8		ug/L		89	80 - 120
Bromodichloromethane	20.0	17.9		ug/L		89	71 - 120
Bromoform	20.0	19.1		ug/L		96	51 - 120
Bromomethane	20.0	17.2		ug/L		86	53 - 128
Carbon disulfide	20.0	17.3		ug/L		86	65 - 128
Carbon tetrachloride	20.0	16.8		ug/L		84	64 - 134
Chlorobenzene	20.0	18.6		ug/L		93	80 - 120
Chloroethane	20.0	19.4		ug/L		97	55 - 123
Chloroform	20.0	16.7		ug/L		84	80 - 120
Chloromethane	20.0	19.9		ug/L		99	39 - 134
cis-1,2-Dichloroethene	20.0	17.8		ug/L		89	80 - 125
cis-1,3-Dichloropropene	20.0	16.4		ug/L		82	75 - 120
Dibromochloromethane	20.0	19.6		ug/L		98	71 - 120
Ethylbenzene	20.0	17.7		ug/L		88	80 - 120
Methyl tert-butyl ether	20.0	15.5		ug/L		77	69 - 122
Methylene Chloride	20.0	16.7		ug/L		84	80 - 120
Styrene	20.0	16.9		ug/L		85	80 - 120
Tetrachloroethene	20.0	18.5		ug/L		92	80 - 120
Toluene	20.0	18.7		ug/L		94	80 - 120
trans-1,2-Dichloroethene	20.0	17.5		ug/L		87	80 - 126
trans-1,3-Dichloropropene	20.0	18.2		ug/L		91	67 - 120
Trichloroethene	20.0	17.1		ug/L		86	80 - 120
Vinyl chloride	20.0	18.5		ug/L		93	56 - 120
Xylenes, Total	60.0	52.8		ug/L		88	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*
4-Bromofluorobenzene (Surr)	*92*		*80 - 120*
Dibromofluoromethane (Surr)	*98*		*80 - 120*
Toluene-d8 (Surr)	*105*		*80 - 120*

GC/MS VOA

Analysis Batch: 558100

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-190105-1	HD-MW-88-0/1-0	Total/NA	Water	8260D	
410-190105-2	HD-MW-5-0/1-0	Total/NA	Water	8260D	
410-190105-3	HD-MW-108D-0/1-0	Total/NA	Water	8260D	
410-190105-4	HD-MW-166-0/1-0	Total/NA	Water	8260D	
410-190105-5	HD-MW-167-0/1-0	Total/NA	Water	8260D	
410-190105-6	HD-MW-168-0/1-0	Total/NA	Water	8260D	
410-190105-8	HD-QC1-0/1-4	Total/NA	Water	8260D	
410-190105-9	HD-MW-6-0/1-0	Total/NA	Water	8260D	
410-190105-10	HD-MW-101S-0/1-0	Total/NA	Water	8260D	
410-190105-11	HD-MW-101D-0/1-0	Total/NA	Water	8260D	
410-190105-12	HD-MW-108S-0/1-0	Total/NA	Water	8260D	
410-190105-13	HD-MW-20S-0/1-0	Total/NA	Water	8260D	
410-190105-14	HD-MW-20M-0/1-0	Total/NA	Water	8260D	
410-190105-15	HD-MW-14-0/1-0	Total/NA	Water	8260D	
410-190105-16	HD-MW-22-0/1-0	Total/NA	Water	8260D	
410-190105-18	HD-QC1-0/1-2	Total/NA	Water	8260D	
410-190105-19	HD-MW-9-0/1-0	Total/NA	Water	8260D	
MB 410-558100/7	Method Blank	Total/NA	Water	8260D	
LCS 410-558100/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 410-558100/5	Lab Control Sample Dup	Total/NA	Water	8260D	
410-190105-16 MS	HD-MW-22-0/1-0MS	Total/NA	Water	8260D	
410-190105-16 MSD	HD-MW-22-0/1-0MSD	Total/NA	Water	8260D	

Analysis Batch: 558854

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-190105-7	HD-QC1-0/1-3	Total/NA	Water	8260D	
MB 410-558854/10	Method Blank	Total/NA	Water	8260D	
LCS 410-558854/5	Lab Control Sample	Total/NA	Water	8260D	
LCSD 410-558854/6	Lab Control Sample Dup	Total/NA	Water	8260D	

Analysis Batch: 560477

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-190105-17	HD-QC1-0/1-1	Total/NA	Water	8260D	
MB 410-560477/7	Method Blank	Total/NA	Water	8260D	
LCS 410-560477/8	Lab Control Sample	Total/NA	Water	8260D	

Client Sample ID: HD-MW-88-0/1-0
Lab Sample ID: 410-190105-1
Date Collected: 09/25/24 13:35
Matrix: Water
Date Received: 09/27/24 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	558100	JS6E	ELLE	10/02/24 02:03

Client Sample ID: HD-MW-5-0/1-0
Lab Sample ID: 410-190105-2
Date Collected: 09/25/24 14:36
Matrix: Water
Date Received: 09/27/24 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	558100	JS6E	ELLE	10/02/24 02:25

Client Sample ID: HD-MW-108D-0/1-0
Lab Sample ID: 410-190105-3
Date Collected: 09/26/24 12:45
Matrix: Water
Date Received: 09/27/24 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	558100	JS6E	ELLE	10/02/24 02:48

Client Sample ID: HD-MW-166-0/1-0
Lab Sample ID: 410-190105-4
Date Collected: 09/26/24 13:10
Matrix: Water
Date Received: 09/27/24 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	558100	JS6E	ELLE	10/02/24 03:10

Client Sample ID: HD-MW-167-0/1-0
Lab Sample ID: 410-190105-5
Date Collected: 09/26/24 13:20
Matrix: Water
Date Received: 09/27/24 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	558100	JS6E	ELLE	10/02/24 03:33

Client Sample ID: HD-MW-168-0/1-0
Lab Sample ID: 410-190105-6
Date Collected: 09/26/24 13:30
Matrix: Water
Date Received: 09/27/24 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	558100	JS6E	ELLE	10/02/24 03:55

Client Sample ID: HD-QC1-0/1-3
Lab Sample ID: 410-190105-7
Date Collected: 09/26/24 15:00
Matrix: Water
Date Received: 09/27/24 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	558854	DVW2	ELLE	10/03/24 13:07

Client Sample ID: HD-QC1-0/1-4
Lab Sample ID: 410-190105-8
Date Collected: 09/26/24 15:05
Matrix: Water
Date Received: 09/27/24 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	558100	JS6E	ELLE	10/02/24 00:10

Client Sample ID: HD-MW-6-0/1-0
Lab Sample ID: 410-190105-9
Date Collected: 09/26/24 09:07
Matrix: Water
Date Received: 09/27/24 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	558100	JS6E	ELLE	10/02/24 04:18

Client Sample ID: HD-MW-101S-0/1-0
Lab Sample ID: 410-190105-10
Date Collected: 09/26/24 10:32
Matrix: Water
Date Received: 09/27/24 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	558100	JS6E	ELLE	10/02/24 04:40

Client Sample ID: HD-MW-101D-0/1-0
Lab Sample ID: 410-190105-11
Date Collected: 09/26/24 13:15
Matrix: Water
Date Received: 09/27/24 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	558100	JS6E	ELLE	10/02/24 05:03

Client Sample ID: HD-MW-108S-0/1-0
Lab Sample ID: 410-190105-12
Date Collected: 09/27/24 08:00
Matrix: Water
Date Received: 09/27/24 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	558100	JS6E	ELLE	10/02/24 05:25

Client Sample ID: HD-MW-20S-0/1-0
Lab Sample ID: 410-190105-13
Date Collected: 09/27/24 08:20
Matrix: Water
Date Received: 09/27/24 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	558100	JS6E	ELLE	10/02/24 05:48

Client Sample ID: HD-MW-20M-0/1-0
Lab Sample ID: 410-190105-14
Date Collected: 09/27/24 08:30
Matrix: Water
Date Received: 09/27/24 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	558100	JS6E	ELLE	10/02/24 06:10

Lab Chronicle

Client: Groundwater Sciences Corporation
Job ID: 410-190105-1
Project/Site: 2024 Comprehensive Sampling

Client Sample ID: HD-MW-14-0/1-0
Lab Sample ID: 410-190105-15
Date Collected: 09/27/24 09:40
Matrix: Water
Date Received: 09/27/24 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	558100	JS6E	ELLE	10/02/24 06:33

Client Sample ID: HD-MW-22-0/1-0
Lab Sample ID: 410-190105-16
Date Collected: 09/27/24 11:02
Matrix: Water
Date Received: 09/27/24 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	558100	JS6E	ELLE	10/02/24 00:55

Client Sample ID: HD-QC1-0/1-1
Lab Sample ID: 410-190105-17
Date Collected: 09/27/24 08:00
Matrix: Water
Date Received: 09/27/24 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	560477	TQ4J	ELLE	10/08/24 18:50

Client Sample ID: HD-QC1-0/1-2
Lab Sample ID: 410-190105-18
Date Collected: 09/25/24 00:00
Matrix: Water
Date Received: 09/27/24 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	558100	JS6E	ELLE	10/02/24 00:33

Client Sample ID: HD-MW-9-0/1-0
Lab Sample ID: 410-190105-19
Date Collected: 09/27/24 11:30
Matrix: Water
Date Received: 09/27/24 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	558100	JS6E	ELLE	10/02/24 06:55

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: 410-190105-1
Project/Site: 2024 Comprehensive Sampling

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: 410-190105-1
Project/Site: 2024 Comprehensive Sampling

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

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: Groundwater Sciences Corporation
Job ID: 410-190105-1
Project/Site: 2024 Comprehensive Sampling

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-190105-1	HD-MW-88-0/1-0	Water	09/25/24 13:35	09/27/24 16:50
410-190105-2	HD-MW-5-0/1-0	Water	09/25/24 14:36	09/27/24 16:50
410-190105-3	HD-MW-108D-0/1-0	Water	09/26/24 12:45	09/27/24 16:50
410-190105-4	HD-MW-166-0/1-0	Water	09/26/24 13:10	09/27/24 16:50
410-190105-5	HD-MW-167-0/1-0	Water	09/26/24 13:20	09/27/24 16:50
410-190105-6	HD-MW-168-0/1-0	Water	09/26/24 13:30	09/27/24 16:50
410-190105-7	HD-QC1-0/1-3	Water	09/26/24 15:00	09/27/24 16:50
410-190105-8	HD-QC1-0/1-4	Water	09/26/24 15:05	09/27/24 16:50
410-190105-9	HD-MW-6-0/1-0	Water	09/26/24 09:07	09/27/24 16:50
410-190105-10	HD-MW-101S-0/1-0	Water	09/26/24 10:32	09/27/24 16:50
410-190105-11	HD-MW-101D-0/1-0	Water	09/26/24 13:15	09/27/24 16:50
410-190105-12	HD-MW-108S-0/1-0	Water	09/27/24 08:00	09/27/24 16:50
410-190105-13	HD-MW-20S-0/1-0	Water	09/27/24 08:20	09/27/24 16:50
410-190105-14	HD-MW-20M-0/1-0	Water	09/27/24 08:30	09/27/24 16:50
410-190105-15	HD-MW-14-0/1-0	Water	09/27/24 09:40	09/27/24 16:50
410-190105-16	HD-MW-22-0/1-0	Water	09/27/24 11:02	09/27/24 16:50
410-190105-17	HD-QC1-0/1-1	Water	09/27/24 08:00	09/27/24 16:50
410-190105-18	HD-QC1-0/1-2	Water	09/25/24 00:00	09/27/24 16:50
410-190105-19	HD-MW-9-0/1-0	Water	09/27/24 11:30	09/27/24 16:50

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1

SDG No.:

Instrument ID: 23297 Analysis Batch Number: 552275

Lab Sample ID: IC 410-552275/12 Client Sample ID:

Date Analyzed: 09/17/24 16:08 Lab File ID: 4S17X11.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,3-Butadiene	2.07	Incomplete Integration	K4WN	09/17/24 20:16
Acetone	3.24	Incomplete Integration	K4WN	09/17/24 20:04
2-Propanol	3.42	Incomplete Integration	K4WN	09/17/24 20:04
Methyl acetate	3.62	Incomplete Integration	K4WN	09/17/24 20:24
1-Chlorohexane	10.93	Incomplete Integration	K4WN	09/17/24 20:04

Lab Sample ID: IC 410-552275/13 Client Sample ID:

Date Analyzed: 09/17/24 16:31 Lab File ID: 4S17X12.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,3-Butadiene	2.07	Incomplete Integration	K4WN	09/17/24 20:07
Methyl acetate	3.62	Incomplete Integration	K4WN	09/17/24 20:23
2-Butanone (MEK)	5.67	Incomplete Integration	K4WN	09/17/24 20:07
1,4-Dioxane	8.24	Incomplete Integration	K4WN	09/17/24 20:09

Lab Sample ID: IC 410-552275/14 Client Sample ID:

Date Analyzed: 09/17/24 16:53 Lab File ID: 4S17X13.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,3-Butadiene	2.07	Incomplete Integration	K4WN	09/17/24 20:17
1,4-Dioxane	8.23	Incomplete Integration	K4WN	09/17/24 20:10

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1

SDG No.:

Instrument ID: 23297 Analysis Batch Number: 552275

Lab Sample ID: IC 410-552275/15 Client Sample ID:

Date Analyzed: 09/17/24 17:16 Lab File ID: 4S17X14.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,3-Butadiene	2.07	Incomplete Integration	K4WN	09/17/24 20:17
1,4-Dioxane	8.24	Incomplete Integration	K4WN	09/17/24 20:11

Lab Sample ID: ICIS 410-552275/16 Client Sample ID:

Date Analyzed: 09/17/24 17:38 Lab File ID: 4S17X15.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,3-Butadiene	2.08	Incomplete Integration	K4WN	09/17/24 20:18
t-Butyl alcohol	3.95	Incomplete Integration	K4WN	09/17/24 20:12
1,4-Dioxane	8.24	Incomplete Integration	K4WN	09/17/24 20:12

Lab Sample ID: IC 410-552275/17 Client Sample ID:

Date Analyzed: 09/17/24 18:01 Lab File ID: 4S17X16.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,3-Butadiene	2.07	Incomplete Integration	K4WN	09/17/24 20:18
t-Butyl alcohol	3.94	Incomplete Integration	K4WN	09/17/24 20:13
1,4-Dioxane	8.24	Incomplete Integration	K4WN	09/17/24 20:13

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1

SDG No.:

Instrument ID: 23297 Analysis Batch Number: 552275

Lab Sample ID: IC 410-552275/18 Client Sample ID:

Date Analyzed: 09/17/24 18:24 Lab File ID: 4S17X17.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,3-Butadiene	2.08	Incomplete Integration	K4WN	09/17/24 20:19
2-Propanol	3.41	Incomplete Integration	K4WN	09/17/24 20:14
Methyl acetate	3.61	Incomplete Integration	K4WN	09/17/24 20:22
t-Butyl alcohol	3.95	Incomplete Integration	K4WN	09/17/24 20:14
1,4-Dioxane	8.24	Incomplete Integration	K4WN	09/17/24 20:14

Lab Sample ID: ICV 410-552275/20 Client Sample ID:

Date Analyzed: 09/17/24 19:08 Lab File ID: 4S17X19.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
t-Butyl alcohol	3.95	Incomplete Integration	K4WN	09/17/24 20:42
1,4-Dioxane	8.23	Incomplete Integration	K4WN	09/17/24 20:43

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1

SDG No.:

Instrument ID: 23297 Analysis Batch Number: 558100

Lab Sample ID: CCVIS 410-558100/3 Client Sample ID:

Date Analyzed: 10/01/24 21:28 Lab File ID: 4C01X32.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
t-Butyl alcohol	3.96	Incomplete Integration	Z6YX	10/01/24 22:00
Styrene	11.49	Incomplete Integration	Z6YX	10/01/24 22:02

Lab Sample ID: 410-190105-6 Client Sample ID: HD-MW-168-0/1-0

Date Analyzed: 10/02/24 03:55 Lab File ID: 4C01X48.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Butanone (MEK)		Invalid Compound ID	FQ4L	10/03/24 06:49

Lab Sample ID: 410-190105-10 Client Sample ID: HD-MW-101S-0/1-0

Date Analyzed: 10/02/24 04:40 Lab File ID: 4C01X50.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
cis-1,2-Dichloroethene	5.71	Incomplete Integration	FQ4L	10/03/24 06:54

Lab Sample ID: 410-190105-11 Client Sample ID: HD-MW-101D-0/1-0

Date Analyzed: 10/02/24 05:03 Lab File ID: 4C01X51.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bromomethane		Invalid Compound ID	FQ4L	10/03/24 06:54

Lab Sample ID: 410-190105-13 Client Sample ID: HD-MW-20S-0/1-0

Date Analyzed: 10/02/24 05:48 Lab File ID: 4C01X53.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bromomethane		Invalid Compound ID	FQ4L	10/03/24 06:58

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1

SDG No.:

Instrument ID: 9137 Analysis Batch Number: 557456

Lab Sample ID: IC 410-557456/3 Client Sample ID:

Date Analyzed: 09/30/24 19:14 Lab File ID: WS30X02.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Freon 133a	2.43	Incomplete Integration	DVW2	10/01/24 08:23
n-Propyl acetate	8.86	Incomplete Integration	DVW2	10/01/24 09:05
cis-1,4-Dichloro-2-butene	12.22	Incomplete Integration	DVW2	10/01/24 08:23

Lab Sample ID: IC 410-557456/4 Client Sample ID:

Date Analyzed: 09/30/24 19:35 Lab File ID: WS30X03.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Freon 133a	2.43	Incomplete Integration	DVW2	10/01/24 08:23
n-Propyl acetate	8.87	Incomplete Integration	DVW2	10/01/24 09:05
cis-1,4-Dichloro-2-butene	12.23	Incomplete Integration	DVW2	10/01/24 08:23

Lab Sample ID: IC 410-557456/5 Client Sample ID:

Date Analyzed: 09/30/24 19:57 Lab File ID: WS30X04.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
n-Propyl acetate	8.87	Incomplete Integration	DVW2	10/01/24 09:05
cis-1,4-Dichloro-2-butene	12.23	Incomplete Integration	DVW2	10/01/24 08:23

Lab Sample ID: IC 410-557456/6 Client Sample ID:

Date Analyzed: 09/30/24 20:19 Lab File ID: WS30X05.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
n-Propyl acetate	8.86	Incomplete Integration	DVW2	10/01/24 08:43
cis-1,4-Dichloro-2-butene	12.22	Incomplete Integration	DVW2	10/01/24 08:22

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1

SDG No.:

Instrument ID: 9137 Analysis Batch Number: 557456

Lab Sample ID: IC 410-557456/7 Client Sample ID:

Date Analyzed: 09/30/24 20:41 Lab File ID: WS30X06.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
n-Propyl acetate	8.87	Incomplete Integration	DVW2	10/01/24 09:05
cis-1,4-Dichloro-2-butene	12.23	Incomplete Integration	DVW2	10/01/24 08:22

Lab Sample ID: IC 410-557456/8 Client Sample ID:

Date Analyzed: 09/30/24 21:03 Lab File ID: WS30X07.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
n-Propyl acetate	8.87	Incomplete Integration	DVW2	10/01/24 09:05
cis-1,4-Dichloro-2-butene	12.23	Incomplete Integration	DVW2	10/01/24 08:22

Lab Sample ID: IC 410-557456/12 Client Sample ID:

Date Analyzed: 09/30/24 22:30 Lab File ID: WS30X11.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acrolein	3.53	Incomplete Integration	DVW2	10/01/24 08:18
Freon 113	3.70	Incomplete Integration	DVW2	10/01/24 08:18
2-Propanol	3.93	Incomplete Integration	DVW2	10/01/24 08:18
n-Heptane	7.90	Incomplete Integration	DVW2	10/01/24 08:19
Methylcyclohexane	8.67	Incomplete Integration	DVW2	10/01/24 08:19
1-Chlorohexane	11.33	Incomplete Integration	DVW2	10/01/24 08:19
Cyclohexanone	12.25	Incomplete Integration	DVW2	10/01/24 08:19
Benzyl chloride	13.29	Incomplete Integration	DVW2	10/01/24 08:19

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1

SDG No.:

Instrument ID: 9137 Analysis Batch Number: 557456

Lab Sample ID: IC 410-557456/13 Client Sample ID:

Date Analyzed: 09/30/24 22:52 Lab File ID: WS30X12.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethanol	3.19	Incomplete Integration	DVW2	10/01/24 08:16
t-Butyl alcohol	4.55	Incomplete Integration	DVW2	10/01/24 08:16
n-Heptane	7.89	Incomplete Integration	DVW2	10/01/24 08:17
1,4-Dioxane	8.79	Incomplete Integration	DVW2	10/01/24 08:17
1-Chlorohexane	11.33	Incomplete Integration	DVW2	10/01/24 08:17

Lab Sample ID: IC 410-557456/14 Client Sample ID:

Date Analyzed: 09/30/24 23:13 Lab File ID: WS30X13.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	8.79	Incomplete Integration	DVW2	10/01/24 08:15

Lab Sample ID: IC 410-557456/15 Client Sample ID:

Date Analyzed: 09/30/24 23:35 Lab File ID: WS30X14.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Nitropropane	9.32	Incomplete Integration	DVW2	10/01/24 08:27

Lab Sample ID: ICIS 410-557456/16 Client Sample ID:

Date Analyzed: 09/30/24 23:57 Lab File ID: WS30X15.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
t-Butyl alcohol-d10 (IS)	4.42	Incomplete Integration	DVW2	10/01/24 08:10
Toluene	9.96	Incomplete Integration	DVW2	10/01/24 08:10
1,2,4-Trimethylbenzene	12.92	Incomplete Integration	DVW2	10/01/24 08:11

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1

SDG No.:

Instrument ID: 9137 Analysis Batch Number: 558854

Lab Sample ID: 410-190105-7 Client Sample ID: HD-QC1-0/1-3

Date Analyzed: 10/03/24 13:07 Lab File ID: WC03X12.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Butanone (MEK)		Invalid Compound ID	FQ4L	10/04/24 07:35

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1

SDG No.:

Instrument ID: 9915 Analysis Batch Number: 528230

Lab Sample ID: IC 410-528230/3 Client Sample ID:

Date Analyzed: 07/15/24 14:18 Lab File ID: LL15X02.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethanol	3.08	Incomplete Integration	UKEK	07/16/24 19:24
Acetonitrile	3.87	Incomplete Integration	DVW2	07/16/24 08:01
n-Propyl acetate	8.62	Incomplete Integration	DVW2	07/16/24 08:01

Lab Sample ID: IC 410-528230/12 Client Sample ID:

Date Analyzed: 07/15/24 17:41 Lab File ID: LL15X11.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,3-Butadiene	2.25	Baseline	UKEK	07/16/24 19:17
Acrolein	3.35	Incomplete Integration	DVW2	07/16/24 07:48
1,1-Dichloroethene	3.51	Incomplete Integration	DVW2	07/16/24 07:48
Allyl chloride	3.92	Baseline	UKEK	07/16/24 20:45
Methyl acetate	3.93	Split Peak	UKEK	07/16/24 20:13
Methylene Chloride	4.13	Incomplete Integration	DVW2	07/16/24 07:49
t-Butyl alcohol	4.30	Incomplete Integration	DVW2	07/16/24 07:49
Acrylonitrile	4.45	Incomplete Integration	DVW2	07/16/24 07:49
Methyl tert-butyl ether	4.54	Incomplete Integration	DVW2	07/16/24 07:49
Ethyl t-butyl ether	5.78	Incomplete Integration	DVW2	07/16/24 07:49
t-Amyl methyl ether	7.42	Incomplete Integration	DVW2	07/16/24 07:49
1,4-Dioxane	8.53	Incomplete Integration	DVW2	07/16/24 07:50
Methyl methacrylate	8.54	Incomplete Integration	DVW2	07/16/24 07:49
2-Chloroethyl vinyl ether	9.16	Incomplete Integration	DVW2	07/16/24 07:50
1-Chlorohexane	11.14	Incomplete Integration	DVW2	07/16/24 07:50
1,3,5-Trimethylbenzene	12.46	Incomplete Integration	DVW2	07/16/24 07:50

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1

SDG No.:

Instrument ID: 9915 Analysis Batch Number: 528230

Lab Sample ID: IC 410-528230/13 Client Sample ID:

Date Analyzed: 07/15/24 18:04 Lab File ID: LL15X12.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetone	3.50	Incomplete Integration	DVW2	07/16/24 07:51
Methyl acrylate	6.16	Peak assignment corrected	DVW2	07/16/24 08:30
Ethyl acrylate	8.24	Peak assignment corrected	DVW2	07/16/24 08:30
1,4-Dioxane	8.54	Incomplete Integration	DVW2	07/16/24 07:51
Methyl methacrylate	8.54	Incomplete Integration	DVW2	07/16/24 07:51
1-Chlorohexane	11.14	Incomplete Integration	DVW2	07/16/24 07:51
n-Butyl acrylate	11.64	Peak assignment corrected	DVW2	07/16/24 08:30
2-Ethylhexyl acrylate	14.44	Peak assignment corrected	DVW2	07/16/24 08:30

Lab Sample ID: IC 410-528230/14 Client Sample ID:

Date Analyzed: 07/15/24 18:26 Lab File ID: LL15X13.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Propanol	3.65	Split Peak	UKEK	07/16/24 20:04
Methylene Chloride	4.13	Incomplete Integration	DVW2	07/16/24 07:52
Methyl acrylate	6.13	Peak assignment corrected	DVW2	07/16/24 08:31
Ethyl acrylate	8.22	Peak assignment corrected	DVW2	07/16/24 08:31
n-Butyl acrylate	11.64	Peak assignment corrected	DVW2	07/16/24 08:30
2-Ethylhexyl acrylate	14.44	Peak assignment corrected	DVW2	07/16/24 08:30

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1

SDG No.:

Instrument ID: 9915 Analysis Batch Number: 528230

Lab Sample ID: IC 410-528230/15 Client Sample ID:

Date Analyzed: 07/15/24 18:49 Lab File ID: LL15X14.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methyl acrylate	6.13	Peak assignment corrected	DVW2	07/16/24 08:31
Ethyl acrylate	8.23	Peak assignment corrected	DVW2	07/16/24 08:31
n-Butyl acrylate	11.64	Peak assignment corrected	DVW2	07/16/24 08:31
1,1,2,2-Tetrachloroethane	12.23	Incomplete Integration	DVW2	07/16/24 07:54
tert-Butylbenzene	12.70	Incomplete Integration	DVW2	07/16/24 07:54
2-Ethylhexyl acrylate	14.44	Peak assignment corrected	DVW2	07/16/24 08:31

Lab Sample ID: ICIS 410-528230/16 Client Sample ID:

Date Analyzed: 07/15/24 19:11 Lab File ID: LL15X15.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methyl acrylate	6.14	Peak assignment corrected	DVW2	07/16/24 08:29
Ethyl acrylate	8.23	Peak assignment corrected	DVW2	07/16/24 08:29
n-Butyl acrylate	11.64	Peak assignment corrected	DVW2	07/16/24 08:29
2-Ethylhexyl acrylate	14.44	Peak assignment corrected	DVW2	07/16/24 08:29

Lab Sample ID: IC 410-528230/17 Client Sample ID:

Date Analyzed: 07/15/24 19:34 Lab File ID: LL15X16.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Propanol	3.66	Baseline	UKEK	07/16/24 20:14
t-Butyl alcohol	4.30	Incomplete Integration	DVW2	07/16/24 07:55
Methyl acrylate	6.13	Peak assignment corrected	DVW2	07/16/24 08:31
Ethyl acrylate	8.22	Peak assignment corrected	DVW2	07/16/24 08:31
n-Butyl acrylate	11.64	Peak assignment corrected	DVW2	07/16/24 08:31
2-Ethylhexyl acrylate	14.44	Peak assignment corrected	DVW2	07/16/24 08:31

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1

SDG No.:

Instrument ID: 9915 Analysis Batch Number: 528230

Lab Sample ID: IC 410-528230/18 Client Sample ID:

Date Analyzed: 07/15/24 19:57 Lab File ID: LL15X17.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
t-Butyl alcohol	4.32	Incomplete Integration	DVW2	07/16/24 07:57
Methyl acrylate	6.13	Peak assignment corrected	DVW2	07/16/24 08:32
Ethyl acrylate	8.23	Peak assignment corrected	DVW2	07/16/24 08:32
1,4-Dioxane	8.53	Incomplete Integration	DVW2	07/16/24 07:58
n-Butyl acrylate	11.64	Peak assignment corrected	DVW2	07/16/24 08:32
2-Ethylhexyl acrylate	14.44	Peak assignment corrected	DVW2	07/16/24 08:32

Lab Sample ID: ICV 410-528230/20 Client Sample ID:

Date Analyzed: 07/15/24 20:42 Lab File ID: LL15X19.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
t-Butyl alcohol	4.34	Incomplete Integration	DVW2	07/16/24 07:59
1,4-Dioxane	8.53	Incomplete Integration	DVW2	07/16/24 07:59

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1

SDG No.:

Instrument ID: 9915 Analysis Batch Number: 560477

Lab Sample ID: CCVIS 410-560477/3 Client Sample ID:

Date Analyzed: 10/08/24 08:30 Lab File ID: LC08X02.D GC Column: R-624SilMS 30 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Trichlorofluoromethane	2.96	Incomplete Integration	TQ4J	10/08/24 09:36
Methyl acetate	3.89	Incomplete Integration	TQ4J	10/08/24 09:36

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
MSV_4ppbEE_00593	07/19/24	07/14/24	DI Water, Lot DI 23226	1000 mL	MSV_CCV_2CEVE_00182	4 uL	2-Chloroethyl vinyl ether	4 ug/L
					MSV_CCV_CYC_00009	32 uL	Cyclohexanone	200.013 ug/L
					MSV_CCV_EE_00007	4 uL	Ethyl ether	3.99959 ug/L
					MSV_CCV_GASES_00799	2 uL	1,2-Dichloro-1,1,2-trifluoroethane	4 ug/L
							Bromomethane	4 ug/L
							Butadiene	4 ug/L
							Chloroethane	4 ug/L
							Chloromethane	4 ug/L
							Dichlorodifluoromethane	4 ug/L
							Dichlorofluoromethane	4 ug/L
							Trichlorofluoromethane	4 ug/L
							Vinyl chloride	4 ug/L
					MSV_CCV_VOC#1_00190	4 uL	1,1,1,2-Tetrachloroethane	4 ug/L
							1,1,1-Trichloroethane	4 ug/L
							1,1,2,2-Tetrachloroethane	4 ug/L
							1,1,2-Trichloroethane	4 ug/L
							1,1-Dichloroethane	4 ug/L
							1,1-Dichloroethene	4 ug/L
							1,1-Dichloropropene	4 ug/L
							1,2,3-Trichlorobenzene	4 ug/L
							1,2,3-Trichloropropane	4 ug/L
							1,2,4-Trichlorobenzene	4 ug/L
							1,2,4-Trimethylbenzene	4 ug/L
							1,2-Dibromo-3-Chloropropane	4 ug/L
							1,2-Dibromoethane (EDB)	4 ug/L
							1,2-Dichlorobenzene	4 ug/L
							1,2-Dichloroethane	4 ug/L
							1,2-Dichloropropane	4 ug/L
							1,3,5-Trimethylbenzene	4 ug/L
							1,3-Dichlorobenzene	4 ug/L
							1,3-Dichloropropane	4 ug/L
							1,4-Dichlorobenzene	4 ug/L
							2,2-Dichloropropane	4 ug/L
							2-Chlorotoluene	4 ug/L
							4-Chlorotoluene	4 ug/L
							4-Isopropyltoluene	4 ug/L
							Benzene	4 ug/L
							Bromobenzene	4 ug/L
							Bromochloromethane	4 ug/L
							Bromodichloromethane	4 ug/L
							Bromoform	4 ug/L
							Carbon tetrachloride	4 ug/L
							Chlorobenzene	4 ug/L
							Chloroform	4 ug/L
							cis-1,2-Dichloroethene	4 ug/L

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1

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	4 ug/L
							Dibromochloromethane	4 ug/L
							Dibromomethane	4 ug/L
							Ethylbenzene	4 ug/L
							Hexachlorobutadiene	4 ug/L
							Isopropylbenzene	4 ug/L
							m-Xylene & p-Xylene	8 ug/L
							Methylene Chloride	4 ug/L
							n-Butylbenzene	4 ug/L
							N-Propylbenzene	4 ug/L
							Naphthalene	4 ug/L
							o-Xylene	4 ug/L
							sec-Butylbenzene	4 ug/L
							Styrene	4 ug/L
							tert-Butylbenzene	4 ug/L
							Tetrachloroethene	4 ug/L
							Toluene	4 ug/L
							trans-1,2-Dichloroethene	4 ug/L
							trans-1,3-Dichloropropene	4 ug/L
							Trichloroethene	4 ug/L
							1,1,2-Trichloro-1,2,2-trifluoroethane	4 ug/L
							1,2,3-Trimethylbenzene	4 ug/L
							1,3,5-Trichlorobenzene	4 ug/L
							1,3-Diethylbenzene	4 ug/L
							1,4-Dioxane	50 ug/L
							1-Chlorohexane	4 ug/L
							2-Chloro-1,3-butadiene	4 ug/L
							2-ethoxy-2-methyl butane	4 ug/L
							2-Methyl-2-propanol	20 ug/L
							2-Methylnaphthalene	4 ug/L
							2-Nitropropane	20 ug/L
							3-Chloro-1-propene	4 ug/L
							Acrylonitrile	10 ug/L
							Benzyl chloride	4 ug/L
							Carbon disulfide	4 ug/L
							Cyclohexane	4 ug/L
							Ethyl methacrylate	4 ug/L
							Hexane	4 ug/L
							Iodomethane	4 ug/L
							Isobutyl alcohol	50 ug/L
							Isopropyl alcohol	20 ug/L
							Isopropyl ether	4 ug/L
							Methacrylonitrile	10 ug/L
							Methyl acetate	4 ug/L
							Methyl methacrylate	4 ug/L
							Methyl tert-butyl ether	4 ug/L

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methylcyclohexane	4 ug/L
							n-Butanol	50 ug/L
							n-Heptane	4 ug/L
							o-diethylbenzene	4 ug/L
							p-Diethylbenzene	4 ug/L
							Pentane	4 ug/L
							Propionitrile	20 ug/L
							Tert-amyl methyl ether	4 ug/L
							Tert-butyl ethyl ether	4 ug/L
							Tetrahydrofuran	20 ug/L
							trans-1,4-Dichloro-2-butene	10 ug/L
					MSV_CCV_VOC#3_00186	3.2 uL	Acrolein	40.087 ug/L
							2-Butanone (MEK)	8 ug/L
							2-Hexanone	8 ug/L
							4-Methyl-2-pentanone (MIBK)	8 ug/L
							Acetone	8 ug/L
.MSV_CCV_2CEVE_00182	07/30/24	06/30/24	Methanol, Lot EH471	5 mL	MSV_V_2CLEVE_00187	1 mL	2-Chloroethyl vinyl ether	1000 ug/mL
..MSV_V_2CLEVE_00187	04/30/26	Restek, Lot A0197472			(Purchased Reagent)		2-Chloroethyl vinyl ether	5000 ug/mL
.MSV_CCV_CYC_00009	01/10/25	07/10/24	50/50 MeOH/Water, Lot EH471	50 mL	MSV_VCYC_STK_00012	5.81 mL	Cyclohexanone	6250.4 ug/mL
..MSV_VCYC_STK_00012	01/10/25	07/10/24	50/50 MeOH/Water, Lot EH471	10 mL	MSV_CYC_00009	0.5379 g	Cyclohexanone	53790 ug/mL
...MSV_CYC_00009	06/30/27	Chem Service, Lot 14568900			(Purchased Reagent)		Cyclohexanone	1 g/g
.MSV_CCV_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_CCV_GASES_00799	07/19/24	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_CCV_VOC#1_00190	07/30/24	06/30/24	Methanol, Lot EH471	5 mL	MSV_MegaMIX#1_00189	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

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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		
							1,2-Dibromo-3-Chloropropane	1000 ug/mL
							1,2-Dibromoethane (EDB)	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Dichloroethane	1000 ug/mL
							1,2-Dichloropropane	1000 ug/mL
							1,3,5-Trimethylbenzene	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dichloropropane	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							2,2-Dichloropropane	1000 ug/mL
							2-Chlorotoluene	1000 ug/mL
							4-Chlorotoluene	1000 ug/mL
							4-Isopropyltoluene	1000 ug/mL
							Benzene	1000 ug/mL
							Bromobenzene	1000 ug/mL
							Bromochloromethane	1000 ug/mL
							Bromodichloromethane	1000 ug/mL
							Bromoform	1000 ug/mL
							Carbon tetrachloride	1000 ug/mL
							Chlorobenzene	1000 ug/mL
							Chloroform	1000 ug/mL
							cis-1,2-Dichloroethene	1000 ug/mL
							cis-1,3-Dichloropropene	1000 ug/mL
							Dibromochloromethane	1000 ug/mL
							Dibromomethane	1000 ug/mL
							Ethylbenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Isopropylbenzene	1000 ug/mL
							m-Xylene & p-Xylene	2000 ug/mL
							Methylene Chloride	1000 ug/mL
							n-Butylbenzene	1000 ug/mL
							N-Propylbenzene	1000 ug/mL
							Naphthalene	1000 ug/mL
							o-Xylene	1000 ug/mL
							sec-Butylbenzene	1000 ug/mL
							Styrene	1000 ug/mL
							tert-Butylbenzene	1000 ug/mL
							Tetrachloroethene	1000 ug/mL
							Toluene	1000 ug/mL
							trans-1,2-Dichloroethene	1000 ug/mL
							trans-1,3-Dichloropropene	1000 ug/mL
							Trichloroethene	1000 ug/mL
					MSV_MegaMix#2_00183	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
							1,3-Diethylbenzene	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		
							1,4-Dioxane	12500 ug/mL
							1-Chlorohexane	1000 ug/mL
							2-Chloro-1,3-butadiene	1000 ug/mL
							2-ethoxy-2-methyl butane	1000 ug/mL
							2-Methyl-2-propanol	5000 ug/mL
							2-Methylnaphthalene	1000 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 alcohol	5000 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
							o-diethylbenzene	1000 ug/mL
							p-Diethylbenzene	1000 ug/mL
							Pentane	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_00189	07/30/24		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

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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		
							1,2-Dichlorobenzene	5000 ug/mL
							1,2-Dichloroethane	5000 ug/mL
							1,2-Dichloropropane	5000 ug/mL
							1,3,5-Trimethylbenzene	5000 ug/mL
							1,3-Dichlorobenzene	5000 ug/mL
							1,3-Dichloropropane	5000 ug/mL
							1,4-Dichlorobenzene	5000 ug/mL
							2,2-Dichloropropane	5000 ug/mL
							2-Chlorotoluene	5000 ug/mL
							4-Chlorotoluene	5000 ug/mL
							4-Isopropyltoluene	5000 ug/mL
							Benzene	5000 ug/mL
							Bromobenzene	5000 ug/mL
							Bromochloromethane	5000 ug/mL
							Bromodichloromethane	5000 ug/mL
							Bromoform	5000 ug/mL
							Carbon tetrachloride	5000 ug/mL
							Chlorobenzene	5000 ug/mL
							Chloroform	5000 ug/mL
							cis-1,2-Dichloroethene	5000 ug/mL
							cis-1,3-Dichloropropene	5000 ug/mL
							Dibromochloromethane	5000 ug/mL
							Dibromomethane	5000 ug/mL
							Ethylbenzene	5000 ug/mL
							Hexachlorobutadiene	5000 ug/mL
							Isopropylbenzene	5000 ug/mL
							m-Xylene & p-Xylene	10000 ug/mL
							Methylene Chloride	5000 ug/mL
							n-Butylbenzene	5000 ug/mL
							N-Propylbenzene	5000 ug/mL
							Naphthalene	5000 ug/mL
							o-Xylene	5000 ug/mL
							sec-Butylbenzene	5000 ug/mL
							Styrene	5000 ug/mL
							tert-Butylbenzene	5000 ug/mL
							Tetrachloroethene	5000 ug/mL
							Toluene	5000 ug/mL
							trans-1,2-Dichloroethene	5000 ug/mL
							trans-1,3-Dichloropropene	5000 ug/mL
							Trichloroethene	5000 ug/mL
..MSV_MegaMix#2_00183	07/30/24		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
							1,3-Diethylbenzene	5000 ug/mL
							1,4-Dioxane	62500 ug/mL
							1-Chlorohexane	5000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Chloro-1,3-butadiene	5000 ug/mL
							2-ethoxy-2-methyl butane	5000 ug/mL
							2-Methyl-2-propanol	25000 ug/mL
							2-Methylnaphthalene	5000 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 alcohol	25000 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
							o-diethylbenzene	5000 ug/mL
							p-Diethylbenzene	5000 ug/mL
							Pentane	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_00186	07/30/24	06/30/24	Methanol, Lot EH471	5 mL	MSV_CCV_ACR_00021	0.5 mL	Acrolein	12527.2 ug/mL
					MSV_V_Ketones_00170	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_00021	08/10/24	06/11/24	Methanol, Lot EH471	10 mL	MSV_VACR_STK_00041	9.393 mL	Acrolein	125272 ug/mL
...MSV_VACR_STK_00041	08/10/24	06/11/24	Methanol, Lot EH471	10 mL	MSV_ACROLEIN_00034	1.4356 g	Acrolein	133367 ug/mL
....MSV_ACROLEIN_00034	01/31/25	Chem Service, Lot 15004000			(Purchased Reagent)		Acrolein	0.929 g/g
..MSV_V_Ketones_00170	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_4ppbEtoh_00691	09/20/24	09/17/24	DI Water, Lot DI 07032023	1000 mL	MSV_CCV_2CEVE_00193	4 uL	2-Chloroethyl vinyl ether	0.004 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_CCV_CYC_00010	32 uL	Cyclohexanone	0.199993 ug/mL
					MSV_CCV_ETOH_00006	40 uL	Ethanol	0.50002 ug/mL
					MSV_CCV_GASES_00856	2 uL	1,2-Dichloro-1,1,2-trifluoroethane	0.004 ug/mL
							Bromomethane	0.004 ug/mL
							Butadiene	0.004 ug/mL
							Chloroethane	0.004 ug/mL
							Chloromethane	0.004 ug/mL
							Dichlorodifluoromethane	0.004 ug/mL
							Dichlorofluoromethane	0.004 ug/mL
							Trichlorofluoromethane	0.004 ug/mL
							Vinyl chloride	0.004 ug/mL
					MSV_CCV_VOC#1_00201	4 uL	1,1,1,2-Tetrachloroethane	0.004 ug/mL
							1,1,1-Trichloroethane	0.004 ug/mL
							1,1,2,2-Tetrachloroethane	0.004 ug/mL
							1,1,2-Trichloroethane	0.004 ug/mL
							1,1-Dichloroethane	0.004 ug/mL
							1,1-Dichloroethene	0.004 ug/mL
							1,1-Dichloropropene	0.004 ug/mL
							1,2,3-Trichlorobenzene	0.004 ug/mL
							1,2,3-Trichloropropane	0.004 ug/mL
							1,2,4-Trichlorobenzene	0.004 ug/mL
							1,2,4-Trimethylbenzene	0.004 ug/mL
							1,2-Dibromo-3-Chloropropane	0.004 ug/mL
							1,2-Dibromoethane (EDB)	0.004 ug/mL
							1,2-Dichlorobenzene	0.004 ug/mL
							1,2-Dichloroethane	0.004 ug/mL
							1,2-Dichloropropane	0.004 ug/mL
							1,3,5-Trimethylbenzene	0.004 ug/mL
							1,3-Dichlorobenzene	0.004 ug/mL
							1,3-Dichloropropane	0.004 ug/mL
							1,4-Dichlorobenzene	0.004 ug/mL
							2,2-Dichloropropane	0.004 ug/mL
							2-Chlorotoluene	0.004 ug/mL
							4-Chlorotoluene	0.004 ug/mL
							4-Isopropyltoluene	0.004 ug/mL
							Benzene	0.004 ug/mL
							Bromobenzene	0.004 ug/mL
							Bromochloromethane	0.004 ug/mL
							Bromodichloromethane	0.004 ug/mL
							Bromoform	0.004 ug/mL
							Carbon tetrachloride	0.004 ug/mL
							Chlorobenzene	0.004 ug/mL
							Chloroform	0.004 ug/mL
							cis-1,2-Dichloroethene	0.004 ug/mL
							cis-1,3-Dichloropropene	0.004 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		
							Dibromochloromethane	0.004 ug/mL
							Dibromomethane	0.004 ug/mL
							Ethylbenzene	0.004 ug/mL
							Hexachlorobutadiene	0.004 ug/mL
							Isopropylbenzene	0.004 ug/mL
							m-Xylene & p-Xylene	0.008 ug/mL
							Methylene Chloride	0.004 ug/mL
							n-Butylbenzene	0.004 ug/mL
							N-Propylbenzene	0.004 ug/mL
							Naphthalene	0.004 ug/mL
							o-Xylene	0.004 ug/mL
							sec-Butylbenzene	0.004 ug/mL
							Styrene	0.004 ug/mL
							tert-Butylbenzene	0.004 ug/mL
							Tetrachloroethene	0.004 ug/mL
							Toluene	0.004 ug/mL
							trans-1,2-Dichloroethene	0.004 ug/mL
							trans-1,3-Dichloropropene	0.004 ug/mL
							Trichloroethene	0.004 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	0.004 ug/mL
							1,2,3-Trimethylbenzene	0.004 ug/mL
							1,3,5-Trichlorobenzene	0.004 ug/mL
							1,3-Diethylbenzene	0.004 ug/mL
							1,4-Dioxane	0.05 ug/mL
							1-Chlorohexane	0.004 ug/mL
							2-Chloro-1,3-butadiene	0.004 ug/mL
							2-ethoxy-2-methyl butane	0.004 ug/mL
							2-Methyl-2-propanol	0.02 ug/mL
							2-Methylnaphthalene	0.004 ug/mL
							2-Nitropropane	0.02 ug/mL
							3-Chloro-1-propene	0.004 ug/mL
							Acrylonitrile	0.01 ug/mL
							Benzyl chloride	0.004 ug/mL
							Carbon disulfide	0.004 ug/mL
							Cyclohexane	0.004 ug/mL
							Ethyl methacrylate	0.004 ug/mL
							Hexane	0.004 ug/mL
							Iodomethane	0.004 ug/mL
							Isobutyl alcohol	0.05 ug/mL
							Isopropyl alcohol	0.02 ug/mL
							Isopropyl ether	0.004 ug/mL
							Methacrylonitrile	0.01 ug/mL
							Methyl acetate	0.004 ug/mL
							Methyl methacrylate	0.004 ug/mL
							Methyl tert-butyl ether	0.004 ug/mL
							Methylcyclohexane	0.004 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Butanol	0.05 ug/mL
							n-Heptane	0.004 ug/mL
							o-diethylbenzene	0.004 ug/mL
							p-Diethylbenzene	0.004 ug/mL
							Pentane	0.004 ug/mL
							Propionitrile	0.02 ug/mL
							Tert-amyl methyl ether	0.004 ug/mL
							Tert-butyl ethyl ether	0.004 ug/mL
							Tetrahydrofuran	0.02 ug/mL
							trans-1,4-Dichloro-2-butene	0.01 ug/mL
					MSV_CCV_VOC#3_00198	3.2 uL	Acrolein	0.0400853 ug/mL
							2-Butanone (MEK)	0.008 ug/mL
							2-Hexanone	0.008 ug/mL
							4-Methyl-2-pentanone (MIBK)	0.008 ug/mL
							Acetone	0.008 ug/mL
.MSV_CCV_2CEVE_00193	10/16/24	09/16/24	Methanol, Lot EH471	5 mL	MSV_V_2CLEVE_00200	1 mL	2-Chloroethyl vinyl ether	1000 ug/mL
..MSV_V_2CLEVE_00200	05/31/27		Restek, Lot A0211425		(Purchased Reagent)		2-Chloroethyl vinyl ether	5000 ug/mL
.MSV_CCV_CYC_00010	01/22/25	07/22/24	50/50 MeOH/Water, Lot EH471	200 mL	MSV_VCYC_STK_00013	8.495 mL	Cyclohexanone	6249.77 ug/mL
..MSV_VCYC_STK_00013	01/22/25	07/22/24	50/50 MeOH/Water, Lot EH471	10 mL	MSV_CYC_00010	1.4714 g	Cyclohexanone	147140 ug/mL
...MSV_CYC_00010	06/30/27		Chem Service, Lot 15471000		(Purchased Reagent)		Cyclohexanone	1 g/g
.MSV_CCV_ETOH_00006	09/20/24	03/20/24	Methanol, Lot EH471	200 mL	MSV_VETOH_STK_00015	9.084 mL	Ethanol	12500.5 ug/mL
..MSV_VETOH_STK_00015	09/20/24	03/20/24	Methanol, Lot EH471	10 mL	MSV_EtOH_00048	2.7522 g	Ethanol	275220 ug/mL
...MSV_EtOH_00048	04/30/28		Chem Service, Lot 15032500		(Purchased Reagent)		Ethanol	1 g/g
.MSV_CCV_GASES_00856	09/23/24		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_CCV_VOC#1_00201	10/16/24	09/16/24	Methanol, Lot EH471	5 mL	MSV_MegaMIX#1_00199	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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dibromo-3-Chloropropane	1000 ug/mL
							1,2-Dibromoethane (EDB)	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Dichloroethane	1000 ug/mL
							1,2-Dichloropropane	1000 ug/mL
							1,3,5-Trimethylbenzene	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dichloropropane	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							2,2-Dichloropropane	1000 ug/mL
							2-Chlorotoluene	1000 ug/mL
							4-Chlorotoluene	1000 ug/mL
							4-Isopropyltoluene	1000 ug/mL
							Benzene	1000 ug/mL
							Bromobenzene	1000 ug/mL
							Bromochloromethane	1000 ug/mL
							Bromodichloromethane	1000 ug/mL
							Bromoform	1000 ug/mL
							Carbon tetrachloride	1000 ug/mL
							Chlorobenzene	1000 ug/mL
							Chloroform	1000 ug/mL
							cis-1,2-Dichloroethene	1000 ug/mL
							cis-1,3-Dichloropropene	1000 ug/mL
							Dibromochloromethane	1000 ug/mL
							Dibromomethane	1000 ug/mL
							Ethylbenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Isopropylbenzene	1000 ug/mL
							m-Xylene & p-Xylene	2000 ug/mL
							Methylene Chloride	1000 ug/mL
							n-Butylbenzene	1000 ug/mL
							N-Propylbenzene	1000 ug/mL
							Naphthalene	1000 ug/mL
							o-Xylene	1000 ug/mL
							sec-Butylbenzene	1000 ug/mL
							Styrene	1000 ug/mL
							tert-Butylbenzene	1000 ug/mL
							Tetrachloroethene	1000 ug/mL
							Toluene	1000 ug/mL
							trans-1,2-Dichloroethene	1000 ug/mL
							trans-1,3-Dichloropropene	1000 ug/mL
							Trichloroethene	1000 ug/mL
					MSV_MegaMix#2_00195	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
							1,3-Diethylbenzene	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dioxane	12500 ug/mL
							1-Chlorohexane	1000 ug/mL
							2-Chloro-1,3-butadiene	1000 ug/mL
							2-ethoxy-2-methyl butane	1000 ug/mL
							2-Methyl-2-propanol	5000 ug/mL
							2-Methylnaphthalene	1000 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 alcohol	5000 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
							o-diethylbenzene	1000 ug/mL
							p-Diethylbenzene	1000 ug/mL
							Pentane	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_00199	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
							1,1-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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichlorobenzene	5000 ug/mL
							1,2-Dichloroethane	5000 ug/mL
							1,2-Dichloropropane	5000 ug/mL
							1,3,5-Trimethylbenzene	5000 ug/mL
							1,3-Dichlorobenzene	5000 ug/mL
							1,3-Dichloropropane	5000 ug/mL
							1,4-Dichlorobenzene	5000 ug/mL
							2,2-Dichloropropane	5000 ug/mL
							2-Chlorotoluene	5000 ug/mL
							4-Chlorotoluene	5000 ug/mL
							4-Isopropyltoluene	5000 ug/mL
							Benzene	5000 ug/mL
							Bromobenzene	5000 ug/mL
							Bromochloromethane	5000 ug/mL
							Bromodichloromethane	5000 ug/mL
							Bromoform	5000 ug/mL
							Carbon tetrachloride	5000 ug/mL
							Chlorobenzene	5000 ug/mL
							Chloroform	5000 ug/mL
							cis-1,2-Dichloroethene	5000 ug/mL
							cis-1,3-Dichloropropene	5000 ug/mL
							Dibromochloromethane	5000 ug/mL
							Dibromomethane	5000 ug/mL
							Ethylbenzene	5000 ug/mL
							Hexachlorobutadiene	5000 ug/mL
							Isopropylbenzene	5000 ug/mL
							m-Xylene & p-Xylene	10000 ug/mL
							Methylene Chloride	5000 ug/mL
							n-Butylbenzene	5000 ug/mL
							N-Propylbenzene	5000 ug/mL
							Naphthalene	5000 ug/mL
							o-Xylene	5000 ug/mL
							sec-Butylbenzene	5000 ug/mL
							Styrene	5000 ug/mL
							tert-Butylbenzene	5000 ug/mL
							Tetrachloroethene	5000 ug/mL
							Toluene	5000 ug/mL
							trans-1,2-Dichloroethene	5000 ug/mL
							trans-1,3-Dichloropropene	5000 ug/mL
							Trichloroethene	5000 ug/mL
..MSV_MegaMix#2_00195	05/31/27		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
							1,3-Diethylbenzene	5000 ug/mL
							1,4-Dioxane	62500 ug/mL
							1-Chlorohexane	5000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Chloro-1,3-butadiene	5000 ug/mL
							2-ethoxy-2-methyl butane	5000 ug/mL
							2-Methyl-2-propanol	25000 ug/mL
							2-Methylnaphthalene	5000 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 alcohol	25000 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
							o-diethylbenzene	5000 ug/mL
							p-Diethylbenzene	5000 ug/mL
							Pentane	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_00198	10/06/24	09/16/24	Methanol, Lot EH471	5 mL	MSV_CCV_ACR_00022	0.5 mL	Acrolein	12526.6 ug/mL
					MSV_V_Ketones_00195	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_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_00195	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_4ppbEtOH_00696	10/07/24	09/30/24	DI Water, Lot DI 23226	1000 mL	MSV_CCV_2CEVE_00195	4 uL	2-Chloroethyl vinyl ether	4 ug/L
					MSV_CCV_CYC_00010	32 uL	Cyclohexanone	199.993 ug/L
					MSV_CCV_ETOH_00007	20 uL	Ethanol	249.991 ug/L

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					MSV_CCV_GASES_00881	2 uL	1,2-Dichloro-1,1,2-trifluoroethane	4 ug/L
							Bromomethane	4 ug/L
							Butadiene	4 ug/L
							Chloroethane	4 ug/L
							Chloromethane	4 ug/L
							Dichlorodifluoromethane	4 ug/L
							Dichlorofluoromethane	4 ug/L
							Trichlorofluoromethane	4 ug/L
							Vinyl chloride	4 ug/L
					MSV_CCV_VOC#1_00203	4 uL	1,1,1,2-Tetrachloroethane	4 ug/L
							1,1,1-Trichloroethane	4 ug/L
							1,1,2,2-Tetrachloroethane	4 ug/L
							1,1,2-Trichloroethane	4 ug/L
							1,1-Dichloroethane	4 ug/L
							1,1-Dichloroethene	4 ug/L
							1,1-Dichloropropene	4 ug/L
							1,2,3-Trichlorobenzene	4 ug/L
							1,2,3-Trichloropropane	4 ug/L
							1,2,4-Trichlorobenzene	4 ug/L
							1,2,4-Trimethylbenzene	4 ug/L
							1,2-Dibromo-3-Chloropropane	4 ug/L
							1,2-Dibromoethane (EDB)	4 ug/L
							1,2-Dichlorobenzene	4 ug/L
							1,2-Dichloroethane	4 ug/L
							1,2-Dichloropropane	4 ug/L
							1,3,5-Trimethylbenzene	4 ug/L
							1,3-Dichlorobenzene	4 ug/L
							1,3-Dichloropropane	4 ug/L
							1,4-Dichlorobenzene	4 ug/L
							2,2-Dichloropropane	4 ug/L
							2-Chlorotoluene	4 ug/L
							4-Chlorotoluene	4 ug/L
							4-Isopropyltoluene	4 ug/L
							Benzene	4 ug/L
							Bromobenzene	4 ug/L
							Bromochloromethane	4 ug/L
							Bromodichloromethane	4 ug/L
							Bromoform	4 ug/L
							Carbon tetrachloride	4 ug/L
							Chlorobenzene	4 ug/L
							Chloroform	4 ug/L
							cis-1,2-Dichloroethene	4 ug/L
							cis-1,3-Dichloropropene	4 ug/L
							Dibromochloromethane	4 ug/L
							Dibromomethane	4 ug/L
							Ethylbenzene	4 ug/L

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorobutadiene	4 ug/L
							Isopropylbenzene	4 ug/L
							m-Xylene & p-Xylene	8 ug/L
							Methylene Chloride	4 ug/L
							n-Butylbenzene	4 ug/L
							N-Propylbenzene	4 ug/L
							Naphthalene	4 ug/L
							o-Xylene	4 ug/L
							sec-Butylbenzene	4 ug/L
							Styrene	4 ug/L
							tert-Butylbenzene	4 ug/L
							Tetrachloroethene	4 ug/L
							Toluene	4 ug/L
							trans-1,2-Dichloroethene	4 ug/L
							trans-1,3-Dichloropropene	4 ug/L
							Trichloroethene	4 ug/L
							1,1,2-Trichloro-1,2,2-trifluoroethane	4 ug/L
							1,2,3-Trimethylbenzene	4 ug/L
							1,3,5-Trichlorobenzene	4 ug/L
							1,3-Diethylbenzene	4 ug/L
							1,4-Dioxane	50 ug/L
							1-Chlorohexane	4 ug/L
							2-Chloro-1,3-butadiene	4 ug/L
							2-ethoxy-2-methyl butane	4 ug/L
							2-Methyl-2-propanol	20 ug/L
							2-Methylnaphthalene	4 ug/L
							2-Nitropropane	20 ug/L
							3-Chloro-1-propene	4 ug/L
							Acrylonitrile	10 ug/L
							Benzyl chloride	4 ug/L
							Carbon disulfide	4 ug/L
							Cyclohexane	4 ug/L
							Ethyl methacrylate	4 ug/L
							Hexane	4 ug/L
							Iodomethane	4 ug/L
							Isobutyl alcohol	50 ug/L
							Isopropyl alcohol	20 ug/L
							Isopropyl ether	4 ug/L
							Methacrylonitrile	10 ug/L
							Methyl acetate	4 ug/L
							Methyl methacrylate	4 ug/L
							Methyl tert-butyl ether	4 ug/L
							Methylcyclohexane	4 ug/L
							n-Butanol	50 ug/L
							n-Heptane	4 ug/L
							o-diethylbenzene	4 ug/L

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							p-Diethylbenzene	4 ug/L
							Pentane	4 ug/L
							Propionitrile	20 ug/L
							Tert-amyl methyl ether	4 ug/L
							Tert-butyl ethyl ether	4 ug/L
							Tetrahydrofuran	20 ug/L
							trans-1,4-Dichloro-2-butene	10 ug/L
					MSV_CCV_VOC#3_00200	3.2 uL	Acrolein	40.0851 ug/L
							2-Butanone (MEK)	8 ug/L
							2-Hexanone	8 ug/L
							4-Methyl-2-pentanone (MIBK)	8 ug/L
							Acetone	8 ug/L
					MSV_V_Acr_Std_00007	0.8 uL	2-Ethylhexyl acrylate	4.0002 ug/L
							n-Butyl acrylate	4.00028 ug/L
							Ethyl acrylate	3.99919 ug/L
							Methyl acrylate	4.00019 ug/L
.MSV_CCV_2CEVE_00195	10/30/24	09/30/24	Methanol, Lot EH471	5 mL	MSV_V_2CLEVE_00202	1 mL	2-Chloroethyl vinyl ether	1000 ug/mL
..MSV_V_2CLEVE_00202	05/31/27	Restek, Lot A0211425			(Purchased Reagent)		2-Chloroethyl vinyl ether	5000 ug/mL
.MSV_CCV_CYC_00010	01/22/25	07/22/24	50/50 MeOH/Water, Lot EH471	200 mL	MSV_VCYC_STK_00013	8.495 mL	Cyclohexanone	6249.77 ug/mL
..MSV_VCYC_STK_00013	01/22/25	07/22/24	50/50 MeOH/Water, Lot EH471	10 mL	MSV_CYC_00010	1.4714 g	Cyclohexanone	147140 ug/mL
...MSV_CYC_00010	06/30/27	Chem Service, Lot 15471000			(Purchased Reagent)		Cyclohexanone	1 g/g
.MSV_CCV_ETOH_00007	03/17/25	09/17/24	Methanol, Lot EH471	200 mL	MSV_VETOH_STK_00016	8.476 mL	Ethanol	12499.6 ug/mL
..MSV_VETOH_STK_00016	03/17/25	09/17/24	Methanol, Lot EH471	10 mL	MSV_EtOH_00049	2.9494 g	Ethanol	294940 ug/mL
...MSV_EtOH_00049	04/30/28	Chem Service, Lot 15122500			(Purchased Reagent)		Ethanol	1 g/g
.MSV_CCV_GASES_00881	10/07/24	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_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
							1,1-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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dibromo-3-Chloropropane	1000 ug/mL
							1,2-Dibromoethane (EDB)	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Dichloroethane	1000 ug/mL
							1,2-Dichloropropane	1000 ug/mL
							1,3,5-Trimethylbenzene	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dichloropropane	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							2,2-Dichloropropane	1000 ug/mL
							2-Chlorotoluene	1000 ug/mL
							4-Chlorotoluene	1000 ug/mL
							4-Isopropyltoluene	1000 ug/mL
							Benzene	1000 ug/mL
							Bromobenzene	1000 ug/mL
							Bromochloromethane	1000 ug/mL
							Bromodichloromethane	1000 ug/mL
							Bromoform	1000 ug/mL
							Carbon tetrachloride	1000 ug/mL
							Chlorobenzene	1000 ug/mL
							Chloroform	1000 ug/mL
							cis-1,2-Dichloroethene	1000 ug/mL
							cis-1,3-Dichloropropene	1000 ug/mL
							Dibromochloromethane	1000 ug/mL
							Dibromomethane	1000 ug/mL
							Ethylbenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Isopropylbenzene	1000 ug/mL
							m-Xylene & p-Xylene	2000 ug/mL
							Methylene Chloride	1000 ug/mL
							n-Butylbenzene	1000 ug/mL
							N-Propylbenzene	1000 ug/mL
							Naphthalene	1000 ug/mL
							o-Xylene	1000 ug/mL
							sec-Butylbenzene	1000 ug/mL
							Styrene	1000 ug/mL
							tert-Butylbenzene	1000 ug/mL
							Tetrachloroethene	1000 ug/mL
							Toluene	1000 ug/mL
							trans-1,2-Dichloroethene	1000 ug/mL
							trans-1,3-Dichloropropene	1000 ug/mL
							Trichloroethene	1000 ug/mL
					MSV_MegaMix#2_00193	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
							1,3-Diethylbenzene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dioxane	12500 ug/mL
							1-Chlorohexane	1000 ug/mL
							2-Chloro-1,3-butadiene	1000 ug/mL
							2-ethoxy-2-methyl butane	1000 ug/mL
							2-Methyl-2-propanol	5000 ug/mL
							2-Methylnaphthalene	1000 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 alcohol	5000 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
							o-diethylbenzene	1000 ug/mL
							p-Diethylbenzene	1000 ug/mL
							Pentane	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_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
							1,1-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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichlorobenzene	5000 ug/mL
							1,2-Dichloroethane	5000 ug/mL
							1,2-Dichloropropane	5000 ug/mL
							1,3,5-Trimethylbenzene	5000 ug/mL
							1,3-Dichlorobenzene	5000 ug/mL
							1,3-Dichloropropane	5000 ug/mL
							1,4-Dichlorobenzene	5000 ug/mL
							2,2-Dichloropropane	5000 ug/mL
							2-Chlorotoluene	5000 ug/mL
							4-Chlorotoluene	5000 ug/mL
							4-Isopropyltoluene	5000 ug/mL
							Benzene	5000 ug/mL
							Bromobenzene	5000 ug/mL
							Bromochloromethane	5000 ug/mL
							Bromodichloromethane	5000 ug/mL
							Bromoform	5000 ug/mL
							Carbon tetrachloride	5000 ug/mL
							Chlorobenzene	5000 ug/mL
							Chloroform	5000 ug/mL
							cis-1,2-Dichloroethene	5000 ug/mL
							cis-1,3-Dichloropropene	5000 ug/mL
							Dibromochloromethane	5000 ug/mL
							Dibromomethane	5000 ug/mL
							Ethylbenzene	5000 ug/mL
							Hexachlorobutadiene	5000 ug/mL
							Isopropylbenzene	5000 ug/mL
							m-Xylene & p-Xylene	10000 ug/mL
							Methylene Chloride	5000 ug/mL
							n-Butylbenzene	5000 ug/mL
							N-Propylbenzene	5000 ug/mL
							Naphthalene	5000 ug/mL
							o-Xylene	5000 ug/mL
							sec-Butylbenzene	5000 ug/mL
							Styrene	5000 ug/mL
							tert-Butylbenzene	5000 ug/mL
							Tetrachloroethene	5000 ug/mL
							Toluene	5000 ug/mL
							trans-1,2-Dichloroethene	5000 ug/mL
							trans-1,3-Dichloropropene	5000 ug/mL
							Trichloroethene	5000 ug/mL
..MSV_MegaMix#2_00193	05/31/27		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
							1,3-Diethylbenzene	5000 ug/mL
							1,4-Dioxane	62500 ug/mL
							1-Chlorohexane	5000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Chloro-1,3-butadiene	5000 ug/mL
							2-ethoxy-2-methyl butane	5000 ug/mL
							2-Methyl-2-propanol	25000 ug/mL
							2-Methylnaphthalene	5000 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 alcohol	25000 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
							o-diethylbenzene	5000 ug/mL
							p-Diethylbenzene	5000 ug/mL
							Pentane	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_00200	10/30/24	09/30/24	Methanol, Lot EH471	5 mL	MSV_CCV_ACR_00023	0.5 mL	Acrolein	12526.6 ug/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_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_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_V_Acr_Std_00007	01/09/25	07/09/24	Methanol, Lot EH471	10 mL	MSV_MStk_2E6A_00004	0.885 mL	2-Ethylhexyl acrylate	5000.25 ug/mL
					MSV_MStk_BAcr_00005	0.908 mL	n-Butyl acrylate	5000.36 ug/mL
					MSV_MStk_EtAc_00004	0.998 mL	Ethyl acrylate	4998.98 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					MSV_MStk_MAcr_00004	0.859 mL	Methyl acrylate	5000.24 ug/mL
..MSV_MStk_2E6A_00004	01/09/25	07/09/24	Methanol, Lot EH471	10 mL	MSV_2Eth6Acry_00001	0.565 g	2-Ethylhexyl acrylate	56500 ug/mL
...MSV_2Eth6Acry_00001	02/28/28		Sigma Aldrich, Lot MKCN1302		(Purchased Reagent)		2-Ethylhexyl acrylate	1 g/g
..MSV_MStk_BAcr_00005	01/09/25	07/09/24	Methanol, Lot EH471	10 mL	MSV_nButylAcr_00005	0.5507 g	n-Butyl acrylate	55070 ug/mL
...MSV_nButylAcr_00005	01/31/26		Chem Service, Lot 14061100		(Purchased Reagent)		n-Butyl acrylate	1 g/g
..MSV_MStk_EtAc_00004	01/09/25	07/09/24	Methanol, Lot EH471	10 mL	MSV_EthylAcry_00003	0.5009 g	Ethyl acrylate	50090 ug/mL
...MSV_EthylAcry_00003	03/31/26		Chem Service, Lot 14239800		(Purchased Reagent)		Ethyl acrylate	1 g/g
..MSV_MStk_MAcr_00004	01/09/25	07/09/24	Methanol, Lot EH471	10 mL	MSV_MethylAcr_00003	0.5821 g	Methyl acrylate	58210 ug/mL
...MSV_MethylAcr_00003	01/31/26		Chem Service, Lot 14104500		(Purchased Reagent)		Methyl acrylate	1 g/g
MSV_CCV_2CEVE_00184	08/13/24	07/14/24	Methanol, Lot EH471	5 mL	MSV_V_2CLEVE_00196	1 mL	2-Chloroethyl vinyl ether	1000 ug/mL
.MSV_V_2CLEVE_00196	05/31/27		Restek, Lot A0211425		(Purchased Reagent)		2-Chloroethyl vinyl ether	5000 ug/mL
MSV_CCV_2CEVE_00193	10/16/24	09/16/24	Methanol, Lot EH471	5 mL	MSV_V_2CLEVE_00200	1 mL	2-Chloroethyl vinyl ether	1000 ug/mL
.MSV_V_2CLEVE_00200	05/31/27		Restek, Lot A0211425		(Purchased Reagent)		2-Chloroethyl vinyl ether	5000 ug/mL
MSV_CCV_2CEVE_00195	10/30/24	09/30/24	Methanol, Lot EH471	5 mL	MSV_V_2CLEVE_00202	1 mL	2-Chloroethyl vinyl ether	1000 ug/mL
.MSV_V_2CLEVE_00202	05/31/27		Restek, Lot A0211425		(Purchased Reagent)		2-Chloroethyl vinyl ether	5000 ug/mL
MSV_CCV_CYC_00009	01/10/25	07/10/24	50/50 MeOH/Water, Lot EH471	50 mL	MSV_VCYC_STK_00012	5.81 mL	Cyclohexanone	6250.4 ug/mL
.MSV_VCYC_STK_00012	01/10/25	07/10/24	50/50 MeOH/Water, Lot EH471	10 mL	MSV_CYC_00009	0.5379 g	Cyclohexanone	53790 ug/mL
..MSV_CYC_00009	06/30/27		Chem Service, Lot 14568900		(Purchased Reagent)		Cyclohexanone	1 g/g
MSV_CCV_CYC_00010	01/22/25	07/22/24	50/50 MeOH/Water, Lot EH471	200 mL	MSV_VCYC_STK_00013	8.495 mL	Cyclohexanone	6249.77 ug/mL
.MSV_VCYC_STK_00013	01/22/25	07/22/24	50/50 MeOH/Water, Lot EH471	10 mL	MSV_CYC_00010	1.4714 g	Cyclohexanone	147140 ug/mL
..MSV_CYC_00010	06/30/27		Chem Service, Lot 15471000		(Purchased Reagent)		Cyclohexanone	1 g/g
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_CCV_ETOH_00006	09/20/24	03/20/24	Methanol, Lot EH471	200 mL	MSV_VETOH_STK_00015	9.084 mL	Ethanol	12500.5 ug/mL
.MSV_VETOH_STK_00015	09/20/24	03/20/24	Methanol, Lot EH471	10 mL	MSV_EtOH_00048	2.7522 g	Ethanol	275220 ug/mL
..MSV_EtOH_00048	04/30/28		Chem Service, Lot 15032500		(Purchased Reagent)		Ethanol	1 g/g
MSV_CCV_ETOH_00007	03/17/25	09/17/24	Methanol, Lot EH471	200 mL	MSV_VETOH_STK_00016	8.476 mL	Ethanol	12499.6 ug/mL
.MSV_VETOH_STK_00016	03/17/25	09/17/24	Methanol, Lot EH471	10 mL	MSV_EtOH_00049	2.9494 g	Ethanol	294940 ug/mL
..MSV_EtOH_00049	04/30/28		Chem Service, Lot 15122500		(Purchased Reagent)		Ethanol	1 g/g
MSV_CCV_GASES_00819	07/22/24		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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
MSV_CCV_GASES_00844	10/03/24		Restek, Lot A0212054		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MSV_CCV_GASES_00856	09/23/24		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_CCV_GASES_00869	10/11/24		Restek, Lot A0212054		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MSV_CCV_GASES_00881	10/07/24		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_CCV_LKB_00010	12/13/24	06/13/24	Methanol, Lot EH471	50 mL	MSV_V34D1B_SK_00013	0.726 mL	3,4-Dichloro-1-butene	999.992 ug/mL
					MSV_Vc14d_STK_00011	1.233 mL	cis-1,4-Dichloro-2-butene	999.864 ug/mL
.MSV_V34D1B_SK_00013	12/13/24	06/13/24	Methanol, Lot EH471	10 mL	MSV_3,4DC1Be_00003	0.6887 g	3,4-Dichloro-1-butene	68870 ug/mL
..MSV_3,4DC1Be_00003	08/22/27		TCI, Lot W3RMJ		(Purchased Reagent)		3,4-Dichloro-1-butene	1 g/g
.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_CCV_LKB_00011	12/13/24	09/06/24	Methanol, Lot EH471	50 mL	MSV_V34D1B_SK_00013	0.726 mL	3,4-Dichloro-1-butene	999.992 ug/mL
					MSV_Vc14d_STK_00011	1.233 mL	cis-1,4-Dichloro-2-butene	999.864 ug/mL
.MSV_V34D1B_SK_00013	12/13/24	06/13/24	Methanol, Lot EH471	10 mL	MSV_3,4DC1Be_00003	0.6887 g	3,4-Dichloro-1-butene	68870 ug/mL
..MSV_3,4DC1Be_00003	08/22/27		TCI, Lot W3RMJ		(Purchased Reagent)		3,4-Dichloro-1-butene	1 g/g
.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_CCV_OH_Sp_00012	08/14/24	07/15/24	Methanol, Lot EH822	10 mL	MSV_V_Acr_Std_00007	2 mL	2-Ethylhexyl acrylate	1000.05 ug/mL
							n-Butyl acrylate	1000.07 ug/mL
							Ethyl acrylate	999.796 ug/mL
							Methyl acrylate	1000.05 ug/mL
.MSV_V_Acr_Std_00007	01/09/25	07/09/24	Methanol, Lot EH471	10 mL	MSV_MStk_2E6A_00004	0.885 mL	2-Ethylhexyl acrylate	5000.25 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					MSV_MStk_BAcr_00005	0.908 mL	n-Butyl acrylate	5000.36 ug/mL
					MSV_MStk_EtAc_00004	0.998 mL	Ethyl acrylate	4998.98 ug/mL
					MSV_MStk_MAcr_00004	0.859 mL	Methyl acrylate	5000.24 ug/mL
..MSV_MStk_2E6A_00004	01/09/25	07/09/24	Methanol, Lot EH471	10 mL	MSV_2Eth6Acry_00001	0.565 g	2-Ethylhexyl acrylate	56500 ug/mL
...MSV_2Eth6Acry_00001	02/28/28		Sigma Aldrich, Lot MKCN1302		(Purchased Reagent)		2-Ethylhexyl acrylate	1 g/g
..MSV_MStk_BAcr_00005	01/09/25	07/09/24	Methanol, Lot EH471	10 mL	MSV_nButylAcr_00005	0.5507 g	n-Butyl acrylate	55070 ug/mL
...MSV_nButylAcr_00005	01/31/26		Chem Service, Lot 14061100		(Purchased Reagent)		n-Butyl acrylate	1 g/g
..MSV_MStk_EtAc_00004	01/09/25	07/09/24	Methanol, Lot EH471	10 mL	MSV_EthylAcry_00003	0.5009 g	Ethyl acrylate	50090 ug/mL
...MSV_EthylAcry_00003	03/31/26		Chem Service, Lot 14239800		(Purchased Reagent)		Ethyl acrylate	1 g/g
..MSV_MStk_MAcr_00004	01/09/25	07/09/24	Methanol, Lot EH471	10 mL	MSV_MethylAcr_00003	0.5821 g	Methyl acrylate	58210 ug/mL
...MSV_MethylAcr_00003	01/31/26		Chem Service, Lot 14104500		(Purchased Reagent)		Methyl acrylate	1 g/g
MSV_CCV_OH_Sp_00014	10/16/24	09/16/24	Methanol, Lot EH822	10 mL	MSV_V_Acr_Std_00007	2 mL	2-Ethylhexyl acrylate	1000.05 ug/mL
							n-Butyl acrylate	1000.07 ug/mL
							Ethyl acrylate	999.796 ug/mL
							Methyl acrylate	1000.05 ug/mL
.MSV_V_Acr_Std_00007	01/09/25	07/09/24	Methanol, Lot EH471	10 mL	MSV_MStk_2E6A_00004	0.885 mL	2-Ethylhexyl acrylate	5000.25 ug/mL
					MSV_MStk_BAcr_00005	0.908 mL	n-Butyl acrylate	5000.36 ug/mL
					MSV_MStk_EtAc_00004	0.998 mL	Ethyl acrylate	4998.98 ug/mL
					MSV_MStk_MAcr_00004	0.859 mL	Methyl acrylate	5000.24 ug/mL
..MSV_MStk_2E6A_00004	01/09/25	07/09/24	Methanol, Lot EH471	10 mL	MSV_2Eth6Acry_00001	0.565 g	2-Ethylhexyl acrylate	56500 ug/mL
...MSV_2Eth6Acry_00001	02/28/28		Sigma Aldrich, Lot MKCN1302		(Purchased Reagent)		2-Ethylhexyl acrylate	1 g/g
..MSV_MStk_BAcr_00005	01/09/25	07/09/24	Methanol, Lot EH471	10 mL	MSV_nButylAcr_00005	0.5507 g	n-Butyl acrylate	55070 ug/mL
...MSV_nButylAcr_00005	01/31/26		Chem Service, Lot 14061100		(Purchased Reagent)		n-Butyl acrylate	1 g/g
..MSV_MStk_EtAc_00004	01/09/25	07/09/24	Methanol, Lot EH471	10 mL	MSV_EthylAcry_00003	0.5009 g	Ethyl acrylate	50090 ug/mL
...MSV_EthylAcry_00003	03/31/26		Chem Service, Lot 14239800		(Purchased Reagent)		Ethyl acrylate	1 g/g
..MSV_MStk_MAcr_00004	01/09/25	07/09/24	Methanol, Lot EH471	10 mL	MSV_MethylAcr_00003	0.5821 g	Methyl acrylate	58210 ug/mL
...MSV_MethylAcr_00003	01/31/26		Chem Service, Lot 14104500		(Purchased Reagent)		Methyl acrylate	1 g/g
MSV_CCV_Penta_00051	07/28/24	06/28/24	Methanol, Lot EH822	1 mL	MSV_V_PentaCL_00049	200 uL	Pentachloroethane	1000 ug/mL
.MSV_V_PentaCL_00049	07/28/24		Restek, Lot A0184174		(Purchased Reagent)		Pentachloroethane	5000 ug/mL
MSV_CCV_Penta_00054	10/25/24	09/25/24	Methanol, Lot EH822	1 mL	MSV_V_PentaCL_00071	200 uL	Pentachloroethane	1000 ug/mL
.MSV_V_PentaCL_00071	10/25/24		Restek, Lot A0197490		(Purchased Reagent)		Pentachloroethane	5000 ug/mL
MSV_CCV_V5ACE_00038	08/11/24	07/11/24	Methanol, Lot EH822	10 mL	MSV_AcetatesV_00060	1 mL	Acetonitrile	5000 ug/mL
							Ethyl acetate	1000 ug/mL
							Isopropyl acetate	1000 ug/mL
							n-Butyl acetate	1000 ug/mL
							n-Propyl acetate	1000 ug/mL
							Vinyl acetate	1000 ug/mL
.MSV_AcetatesV_00060	11/30/24		Restek, Lot A0197847		(Purchased Reagent)		Acetonitrile	50000 ug/mL
							Ethyl acetate	10000 ug/mL
							Isopropyl acetate	10000 ug/mL
							n-Butyl acetate	10000 ug/mL
							n-Propyl acetate	10000 ug/mL
							Vinyl acetate	10000 ug/mL
MSV_CCV_V5ACE_00040	10/11/24	09/11/24	Methanol, Lot EH822	10 mL	MSV_AcetatesV_00059	1 mL	Acetonitrile	5000 ug/mL
							Ethyl acetate	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isopropyl acetate	1000 ug/mL
							n-Butyl acetate	1000 ug/mL
							n-Propyl acetate	1000 ug/mL
							Vinyl acetate	1000 ug/mL
.MSV_AcetatesV_00059	11/30/24		Restek, Lot A0197847		(Purchased Reagent)		Acetonitrile	50000 ug/mL
							Ethyl acetate	10000 ug/mL
							Isopropyl acetate	10000 ug/mL
							n-Butyl acetate	10000 ug/mL
							n-Propyl acetate	10000 ug/mL
							Vinyl acetate	10000 ug/mL
MSV_CCV_VOC#1_00192	08/13/24	07/14/24	Methanol, Lot EH471	5 mL	MSV_MegaMIX#1_00187	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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ethylbenzene	1000 ug/mL
							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_00182	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
							1,3-Diethylbenzene	1000 ug/mL
							1,4-Dioxane	12500 ug/mL
							1-Chlorohexane	1000 ug/mL
							2-Chloro-1,3-butadiene	1000 ug/mL
							2-ethoxy-2-methyl butane	1000 ug/mL
							2-Methyl-2-propanol	5000 ug/mL
							2-Methylnaphthalene	1000 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 alcohol	5000 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

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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		
							o-diethylbenzene	1000 ug/mL
							p-Diethylbenzene	1000 ug/mL
							Pentane	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_00187	08/13/24		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

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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		
							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_00182	08/13/24		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
							1,3-Diethylbenzene	5000 ug/mL
							1,4-Dioxane	62500 ug/mL
							1-Chlorohexane	5000 ug/mL
							2-Chloro-1,3-butadiene	5000 ug/mL
							2-ethoxy-2-methyl butane	5000 ug/mL
							2-Methyl-2-propanol	25000 ug/mL
							2-Methylnaphthalene	5000 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 alcohol	25000 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
							o-diethylbenzene	5000 ug/mL
							p-Diethylbenzene	5000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pentane	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#1_00201	10/16/24	09/16/24	Methanol, Lot EH471	5 mL	MSV_MegaMIX#1_00199	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

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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		
							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_00195	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
							1,3-Diethylbenzene	1000 ug/mL
							1,4-Dioxane	12500 ug/mL
							1-Chlorohexane	1000 ug/mL
							2-Chloro-1,3-butadiene	1000 ug/mL
							2-ethoxy-2-methyl butane	1000 ug/mL
							2-Methyl-2-propanol	5000 ug/mL
							2-Methylnaphthalene	1000 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 alcohol	5000 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
							o-diethylbenzene	1000 ug/mL
							p-Diethylbenzene	1000 ug/mL
							Pentane	1000 ug/mL
							Propionitrile	5000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00199	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
							1,1-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

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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		
							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_00195	05/31/27		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
							1,3-Diethylbenzene	5000 ug/mL
							1,4-Dioxane	62500 ug/mL
							1-Chlorohexane	5000 ug/mL
							2-Chloro-1,3-butadiene	5000 ug/mL
							2-ethoxy-2-methyl butane	5000 ug/mL
							2-Methyl-2-propanol	25000 ug/mL
							2-Methylnaphthalene	5000 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 alcohol	25000 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
							o-diethylbenzene	5000 ug/mL
							p-Diethylbenzene	5000 ug/mL
							Pentane	5000 ug/mL
							Propionitrile	25000 ug/mL
							Tert-amyl methyl ether	5000 ug/mL
							Tert-butyl ethyl ether	5000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Tetrahydrofuran	25000 ug/mL
							trans-1,4-Dichloro-2-butene	12500 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
							1,1-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.: 410-190105-1

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_00193	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
							1,3-Diethylbenzene	1000 ug/mL
							1,4-Dioxane	12500 ug/mL
							1-Chlorohexane	1000 ug/mL
							2-Chloro-1,3-butadiene	1000 ug/mL
							2-ethoxy-2-methyl butane	1000 ug/mL
							2-Methyl-2-propanol	5000 ug/mL
							2-Methylnaphthalene	1000 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 alcohol	5000 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
							o-diethylbenzene	1000 ug/mL
							p-Diethylbenzene	1000 ug/mL
							Pentane	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.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
							1,1-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
							N-Propylbenzene	5000 ug/mL
							Naphthalene	5000 ug/mL
							o-Xylene	5000 ug/mL
							sec-Butylbenzene	5000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00193	05/31/27		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
							1,3-Diethylbenzene	5000 ug/mL
							1,4-Dioxane	62500 ug/mL
							1-Chlorohexane	5000 ug/mL
							2-Chloro-1,3-butadiene	5000 ug/mL
							2-ethoxy-2-methyl butane	5000 ug/mL
							2-Methyl-2-propanol	25000 ug/mL
							2-Methylnaphthalene	5000 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 alcohol	25000 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
							o-diethylbenzene	5000 ug/mL
							p-Diethylbenzene	5000 ug/mL
							Pentane	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#1_00204	11/06/24	10/07/24	Methanol, Lot EH471	5 mL	MSV_MegaMIX#1_00204	1 mL	1,1,1,2-Tetrachloroethane	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1

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	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_00203	1 mL	Carbon disulfide	1000 ug/mL
							Methyl tert-butyl ether	1000 ug/mL
.MSV_MegaMIX#1_00204	11/06/24		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
							1,2-Dibromoethane (EDB)	5000 ug/mL
							1,2-Dichloroethane	5000 ug/mL
							1,2-Dichloropropane	5000 ug/mL
							Benzene	5000 ug/mL
							Bromochloromethane	5000 ug/mL
							Bromodichloromethane	5000 ug/mL
							Bromoform	5000 ug/mL
							Carbon tetrachloride	5000 ug/mL
							Chlorobenzene	5000 ug/mL
							Chloroform	5000 ug/mL
							cis-1,2-Dichloroethene	5000 ug/mL
							cis-1,3-Dichloropropene	5000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00203	11/06/24		Restek, Lot A0212010		(Purchased Reagent)		Carbon disulfide	5000 ug/mL
							Methyl tert-butyl ether	5000 ug/mL
MSV_CCV_VOC#3_00188	08/10/24	07/14/24	Methanol, Lot EH471	5 mL	MSV_CCV_ACR_00021	0.5 mL	Acrolein	12527.2 ug/mL
					MSV_V_Ketones_00172	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_00021	08/10/24	06/11/24	Methanol, Lot EH471	10 mL	MSV_VACR_STK_00041	9.393 mL	Acrolein	125272 ug/mL
..MSV_VACR_STK_00041	08/10/24	06/11/24	Methanol, Lot EH471	10 mL	MSV_ACROLEIN_00034	1.4356 g	Acrolein	133367 ug/mL
...MSV_ACROLEIN_00034	01/31/25		Chem Service, Lot 15004000		(Purchased Reagent)		Acrolein	0.929 g/g
.MSV_V_Ketones_00172	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_CCV_VOC#3_00198	10/06/24	09/16/24	Methanol, Lot EH471	5 mL	MSV_CCV_ACR_00022	0.5 mL	Acrolein	12526.6 ug/mL
					MSV_V_Ketones_00195	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_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_00195	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_CCV_VOC#3_00200	10/30/24	09/30/24	Methanol, Lot EH471	5 mL	MSV_CCV_ACR_00023	0.5 mL	Acrolein	12526.6 ug/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_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_00200	04/30/27		Restek, Lot A0210935		(Purchased Reagent)		2-Butanone (MEK)	12500 ug/mL
							2-Hexanone	12500 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Methyl-2-pentanone (MIBK)	12500 ug/mL
							Acetone	12500 ug/mL
MSV_CCV_VOC#3_00201	11/06/24	10/07/24	Methanol, Lot EH471	5 mL	MSV_V_Ketones_00199	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_00199	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_Cent_ISO_00005	11/03/24	06/03/24	Methanol, Lot EH822-US	50 mL	MSV_Cus826_IS_00781	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_00781	11/03/24		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_Cent_ISSS_00030	12/11/24	07/25/24	Methanol, Lot EH822-US	50 mL	MSV_Cus826_IS_00803	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_00803	01/25/25		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_Cent_ISSS_00030	12/11/24	07/25/24	Methanol, Lot EH822-US	50 mL	MSV_8260_SS_01242	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_01242	01/25/25		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_Cent_ISSS_00031	03/09/25	09/09/24	Methanol, Lot EH822-US	50 mL	MSV_8260_SS_01287	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_00797	1 mL	1,4-Dichlorobenzene-d4	50 ug/mL
							Chlorobenzene-d5 (IS)	50 ug/mL
							Fluorobenzene (IS)	50 ug/mL
							t-Butyl alcohol-d10 (IS)	250 ug/mL
.MSV_8260_SS_01287	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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Toluene-d8 (Surr)	2500 ug/mL
.MSV_Cus826_IS_00797	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_HP04_ISSS_00003	11/20/24	05/20/24	Methanol, Lot EH822	10 mL	MSV_8260_SS_01196	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_00787	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_01196	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_00787	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_HP23_ISO_00008	11/22/24	07/15/24	Methanol, Lot EH822	10 mL	MSV_Cus826_IS_00776	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_00776	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_HP23_ISSS_00014	11/22/24	05/22/24	Methanol, Lot EH822	10 mL	MSV_8260_SS_01198	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_00776	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_01198	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_00776	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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
MSV_LCS_Gases_00207	07/21/24	07/14/24	Methanol, Lot EH471	25 mL	MSV_QC_2K_GAS_00225	0.5 mL	Bromomethane	40 ug/mL
							Chloroethane	40 ug/mL
							Chloromethane	40 ug/mL
							Vinyl chloride	40 ug/mL
.MSV_QC_2K_GAS_00225	07/21/24		Restek, Lot A0184924		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MSV_LCS_Gases_00216	09/23/24	09/16/24	Methanol, Lot EH471	25 mL	MSV_QC_2K_GAS_00237	0.5 mL	Bromomethane	40 ug/mL
							Chloroethane	40 ug/mL
							Chloromethane	40 ug/mL
							Vinyl chloride	40 ug/mL
.MSV_QC_2K_GAS_00237	09/23/24		Restek, Lot A0184924		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MSV_LCS_Gases_00218	10/07/24	09/30/24	Methanol, Lot EH471	25 mL	MSV_QC_2K_GAS_00240	0.5 mL	Bromomethane	40 ug/mL
							Chloroethane	40 ug/mL
							Chloromethane	40 ug/mL
							Vinyl chloride	40 ug/mL
.MSV_QC_2K_GAS_00240	10/07/24		Restek, Lot A0184924		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MSV_LCS_Gases_00219	10/14/24	10/07/24	Methanol, Lot EH471	25 mL	MSV_QC_2K_GAS_00236	0.5 mL	Bromomethane	40 ug/mL
							Chloroethane	40 ug/mL
							Chloromethane	40 ug/mL
							Vinyl chloride	40 ug/mL
.MSV_QC_2K_GAS_00236	10/14/24		Restek, Lot A0184924		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MSV_LCS_VOC#1_00176	08/13/24	07/14/24	Methanol, Lot EH471	25 mL	MSV_M_MIX1SEC_00217	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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Carbon tetrachloride	40 ug/mL
							Chlorobenzene	40 ug/mL
							Chloroform	40 ug/mL
							cis-1,2-Dichloroethene	40 ug/mL
							cis-1,3-Dichloropropene	40 ug/mL
							Dibromochloromethane	40 ug/mL
							Ethylbenzene	40 ug/mL
							Methylene Chloride	40 ug/mL
							Styrene	40 ug/mL
							Tetrachloroethene	40 ug/mL
							Toluene	40 ug/mL
							trans-1,2-Dichloroethene	40 ug/mL
							trans-1,3-Dichloropropene	40 ug/mL
							Trichloroethene	40 ug/mL
					MSV_M_MIX2SEC_00213	1 mL	Carbon disulfide	40 ug/mL
							Methyl tert-butyl ether	40 ug/mL
					MSV_Q_Ketones_00192	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_00217	06/30/26		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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Trichloroethene	1000 ug/mL
.MSV_M_MIX2SEC_00213	04/30/26		Restek, Lot A0197573		(Purchased Reagent)		Carbon disulfide	1000 ug/mL
							Methyl tert-butyl ether	1000 ug/mL
.MSV_Q_Ketones_00192	04/30/25		Restek, Lot A0194631		(Purchased Reagent)		2-Butanone (MEK)	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone (MIBK)	12500 ug/mL
							Acetone	12500 ug/mL
MSV_LCS_VOC#1_00185	10/16/24	09/16/24	Methanol, Lot EH471	25 mL	MSV_M_MIX1SEC_00226	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_00218	1 mL	Carbon disulfide	40 ug/mL
							Methyl tert-butyl ether	40 ug/mL
					MSV_Q_Ketones_00195	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_00226	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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dibromoethane (EDB)	1000 ug/mL
							1,2-Dichloroethane	1000 ug/mL
							1,2-Dichloropropane	1000 ug/mL
							Benzene	1000 ug/mL
							Bromochloromethane	1000 ug/mL
							Bromodichloromethane	1000 ug/mL
							Bromoform	1000 ug/mL
							Carbon tetrachloride	1000 ug/mL
							Chlorobenzene	1000 ug/mL
							Chloroform	1000 ug/mL
							cis-1,2-Dichloroethene	1000 ug/mL
							cis-1,3-Dichloropropene	1000 ug/mL
							Dibromochloromethane	1000 ug/mL
							Ethylbenzene	1000 ug/mL
							Methylene Chloride	1000 ug/mL
							Styrene	1000 ug/mL
							Tetrachloroethene	1000 ug/mL
							Toluene	1000 ug/mL
							trans-1,2-Dichloroethene	1000 ug/mL
							trans-1,3-Dichloropropene	1000 ug/mL
							Trichloroethene	1000 ug/mL
.MSV_M_MIX2SEC_00218	05/31/27		Restek, Lot A0212017		(Purchased Reagent)		Carbon disulfide	1000 ug/mL
							Methyl tert-butyl ether	1000 ug/mL
.MSV_Q_Ketones_00195	04/30/25		Restek, Lot A0194631		(Purchased Reagent)		2-Butanone (MEK)	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone (MIBK)	12500 ug/mL
							Acetone	12500 ug/mL
MSV_LCS_VOC#1_00187	10/30/24	09/30/24	Methanol, Lot EH471	25 mL	MSV_M_MIX1SEC_00228	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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00226	1 mL	Carbon disulfide	40 ug/mL
							Methyl tert-butyl ether	40 ug/mL
					MSV_Q_Ketones_00223	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_00228	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_00226	05/31/27		Restek, Lot A0212017		(Purchased Reagent)		Carbon disulfide	1000 ug/mL
							Methyl tert-butyl ether	1000 ug/mL
.MSV_Q_Ketones_00223	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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acetone	12500 ug/mL
MSV_LCS_VOC#1_00188	11/06/24	10/07/24	Methanol, Lot EH471	25 mL	MSV_M_MIX1SEC_00230	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_00227	1 mL	Carbon disulfide	40 ug/mL
							Methyl tert-butyl ether	40 ug/mL
					MSV_Q_Ketones_00224	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_00230	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bromoform	1000 ug/mL
							Carbon tetrachloride	1000 ug/mL
							Chlorobenzene	1000 ug/mL
							Chloroform	1000 ug/mL
							cis-1,2-Dichloroethene	1000 ug/mL
							cis-1,3-Dichloropropene	1000 ug/mL
							Dibromochloromethane	1000 ug/mL
							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_00227	05/31/27		Restek, Lot A0212017		(Purchased Reagent)		Carbon disulfide	1000 ug/mL
							Methyl tert-butyl ether	1000 ug/mL
.MSV_Q_Ketones_00224	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_V_BFB_00017							1,2-Dichloroethene, Total	
							1,3-Dichloropropene, Total	
							divinyl benzene	
							Tentatively Identified Compound	
							Total BTEX	
							Total Diethylbenzene	
							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_SMFreon_00044	07/22/24		Restek, Lot A0184508		(Purchased Reagent)		2-Chloro-1,1,1-Trifluoroethane	2000 ug/mL
							Chlorodifluoromethane	2000 ug/mL
							Chlorotrifluoroethene	2000 ug/mL
MSV_V_SMFreon_00050	10/27/24		Restek, Lot A0184508		(Purchased Reagent)		2-Chloro-1,1,1-Trifluoroethane	2000 ug/mL
							Chlorodifluoromethane	2000 ug/mL
							Chlorotrifluoroethene	2000 ug/mL

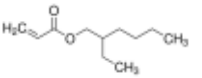
Reagent

MSV_2Eth6Acry_00001

3050 Spruce Street, Saint Louis, MO 63103, USA
Website: www.sigmaaldrich.com
Email USA: techserv@sial.com
Outside USA: eurtechserv@sial.com

Certificate of Analysis

Product Name:
2-Ethylhexyl acrylate - 98%, contains ≥0.001-≤0.11% monomethyl ether hydroquinone as stabilizer



Product Number:	**290815**
Batch Number:	**MKCN1302**
Brand:	ALDRICH
CAS Number:	103-11-7
MDL Number:	MFCD00009495
Formula:	C11H20O2
Formula Weight:	184.28 g/mol
Quality Release Date:	01 SEP 2020

Test	Specification	Result
Appearance (Color)	Colorless	Colorless
Appearance (Form)	Liquid	Liquid
Infrared Spectrum	Conforms to Structure	Conforms
Purity (GC)	≥ 97.5 %	99.6 %
Stabilizer Monomethyl Ether Hydroquinone (MEHQ)	0.001 - 0.110 %	0.002 %

Michael Grady, Manager
Quality Control
Milwaukee, WI US

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

Reagent

MSV_3,4DC1Be_00003

Certificate of Analysis

08/23/2022(JST)

TOKYO CHEMICAL INDUSTRY CO.,LTD.
4-10-1 Nihonbashi-Honcho, Chuo-ku, Tokyo 103-0023 Japan

Chemical Name: 3,4-Dichloro-1-butene		
Product Number: D1072 CAS RN: 760-23-6	Lot: W3RMJ	

Tests	Results	Specifications
Appearance	Colorless clear liquid	Colorless to Almost colorless clear liquid
Purity(GC)	99.6 %	min. 98.0 %

TCI Lot numbers are 4-5 characters in length. Characters listed after the first 4-5 characters are control numbers for internal purpose only.
The contents of the specifications are subject to change without advance notice. The specification values displayed here are the most up to date values. There may be cases where the product labels display a different specification, however, the product quality still meets the latest specification.

Customer Service:

TCI AMERICA
Tel: +1-800-423-8616 / +1-503-283-1681
Fax: +1-888-520-1075 / +1-503-283-1987
E-mail: Sales-US@TCIchemicals.com

Takuya Nishioka
Quality Assurance Department Manager

Reagent

MSV_8260_SS_01196

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. : 30240 **Lot No.:** A0203162

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 : October 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	Dibromofluoromethane	1868-53-7	022013	99%	2,510.0 µg/mL	+/- 141.0009
2	1,2-Dichloroethane-d4	17060-07-0	PR-33313	99%	2,518.2 µg/mL	+/- 141.4616
3	Toluene-d8	2037-26-5	PR-33397	99%	2,523.4 µg/mL	+/- 141.7537
4	1-Bromo-4-fluorobenzene (BFB)	460-00-4	0000194533	99%	2,508.7 µg/mL	+/- 140.9301

* 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.)

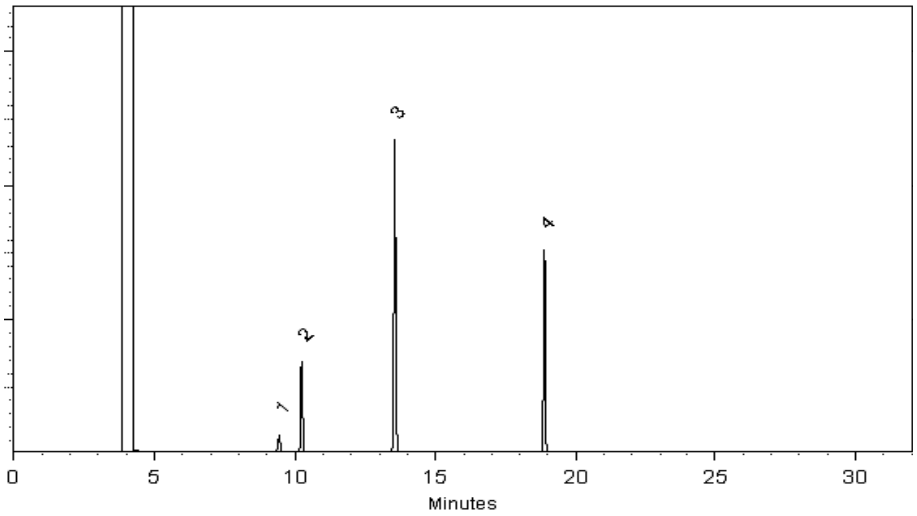
Inj. Temp:
200°C

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.

Peter Robbins - Operations Technician I

Date Mixed: 13-Oct-2023 **Balance Serial #** 1128342314

Dillan Murphy - Operations Technician I

Date Passed: 19-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_8260_SS_01198

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

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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.:** A0203162

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 : October 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	Dibromofluoromethane	1868-53-7	022013	99%	2,510.0 µg/mL	+/- 141.0009
2	1,2-Dichloroethane-d4	17060-07-0	PR-33313	99%	2,518.2 µg/mL	+/- 141.4616
3	Toluene-d8	2037-26-5	PR-33397	99%	2,523.4 µg/mL	+/- 141.7537
4	1-Bromo-4-fluorobenzene (BFB)	460-00-4	0000194533	99%	2,508.7 µg/mL	+/- 140.9301

* 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.)

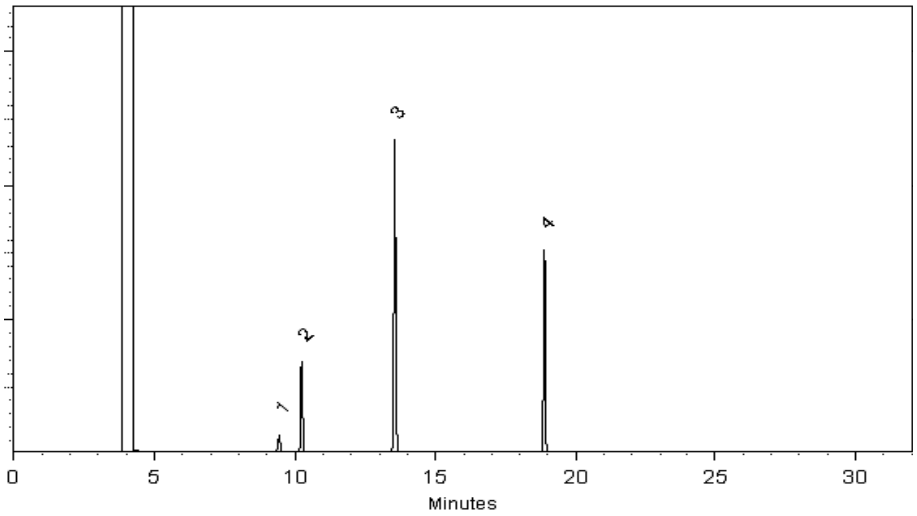
Inj. Temp:
200°C

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.

Peter Robbins - Operations Technician I

Date Mixed: 13-Oct-2023 **Balance Serial #** 1128342314

Dillan Murphy - Operations Technician I

Date Passed: 19-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_AcetatesV_00059

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. : 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.)

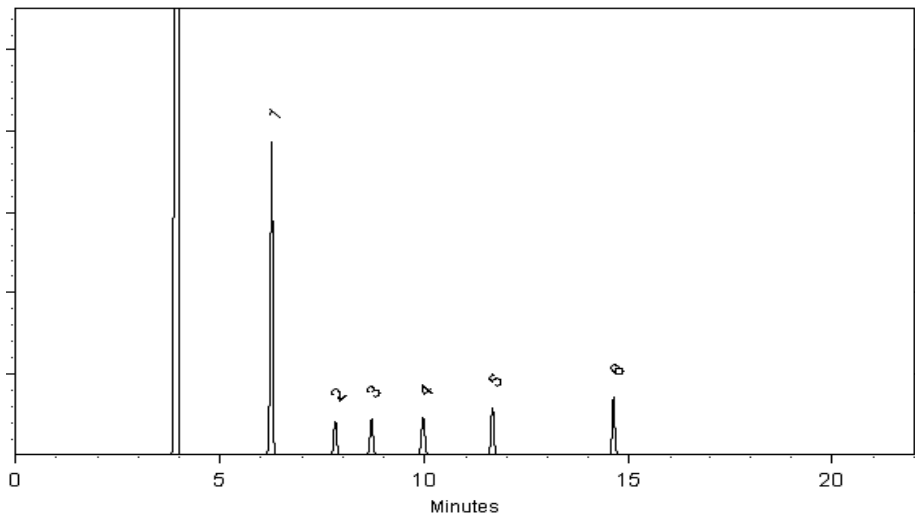
Inj. Temp:
200°C

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_00060

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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. : 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.)

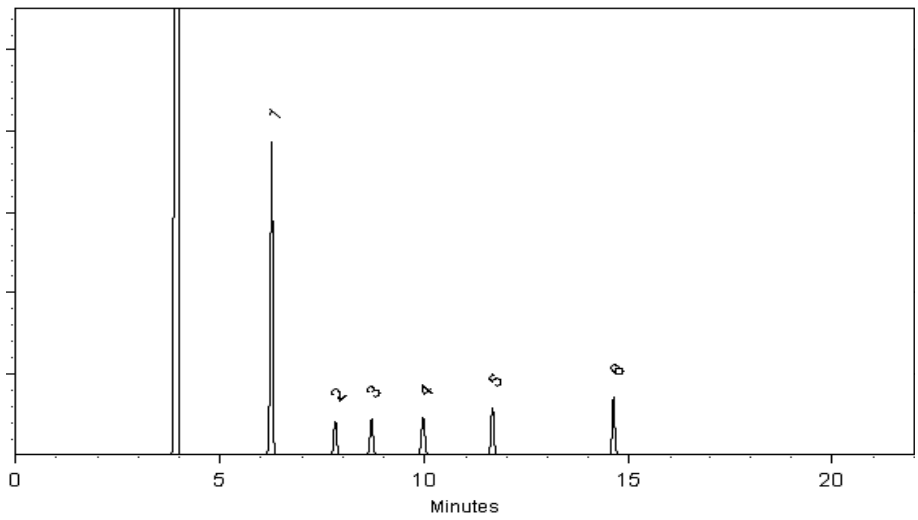
Inj. Temp:
200°C

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_c14dcb_Nt_00004

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3050 Spruce Street, Saint Louis, MO 63103, USA
Website: www.sigmaaldrich.com
Email USA: techserv@sial.com
Outside USA: eurtechserv@sial.com

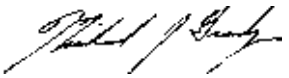
Certificate of Analysis

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



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

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



Michael Grady, Manager
Quality Control
Sheboygan Falls, WI US

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

Reagent

MSV_CCV_GASES_00799

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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 **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.

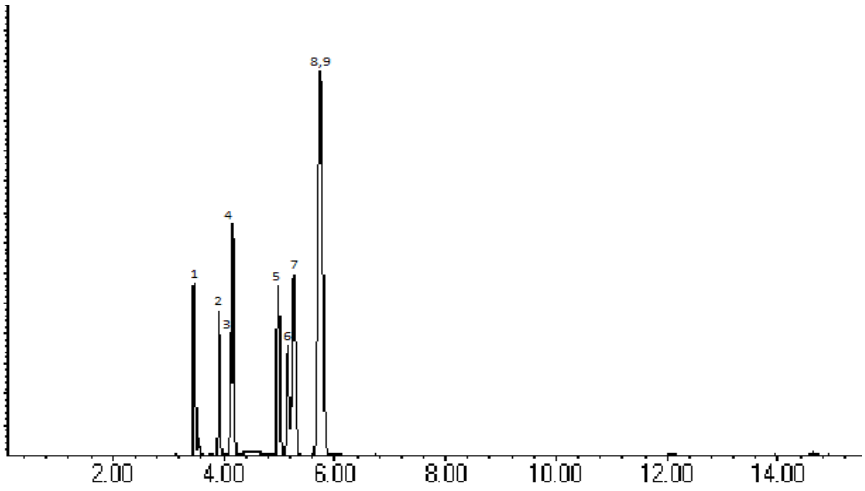
Inj. Temp:
200°C

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_00819

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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.

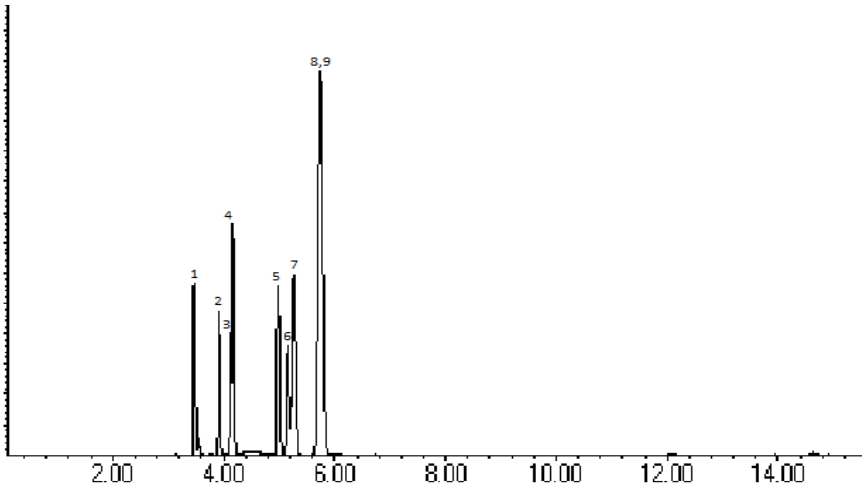
Inj. Temp:
200°C

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_CCV_GASES_00844

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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 **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.

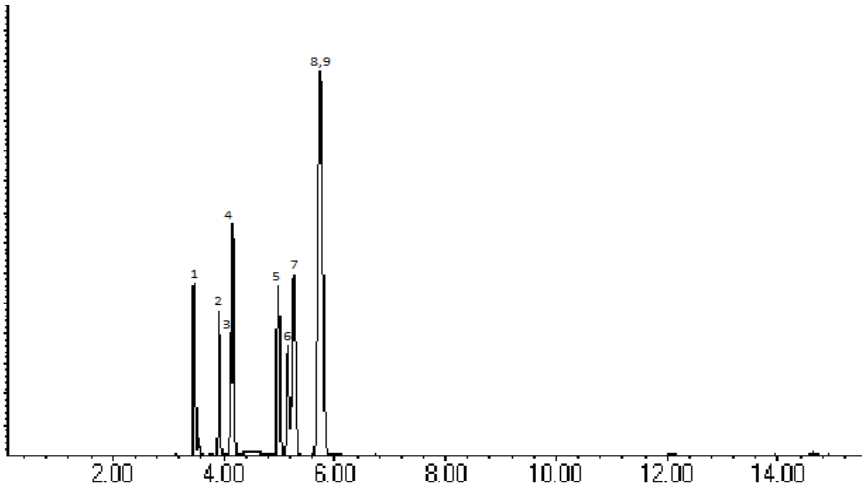
Inj. Temp:
200°C

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_00856

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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 **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.

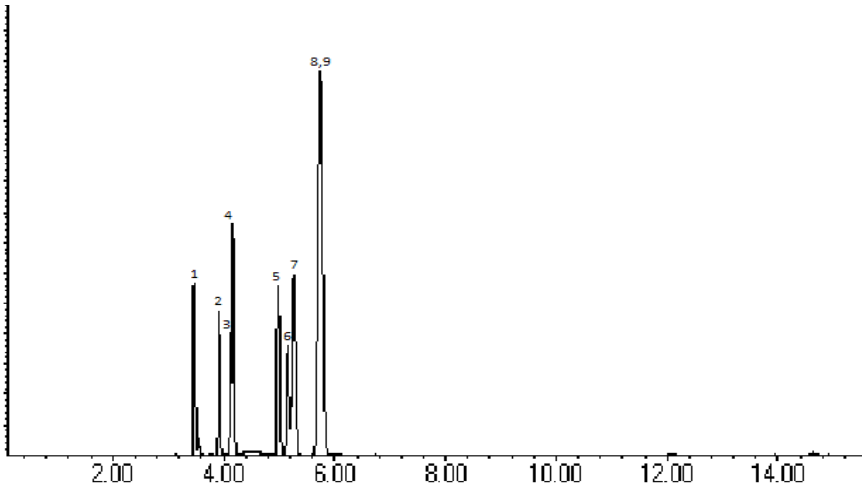
Inj. Temp:
200°C

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_00776

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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. : 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.)

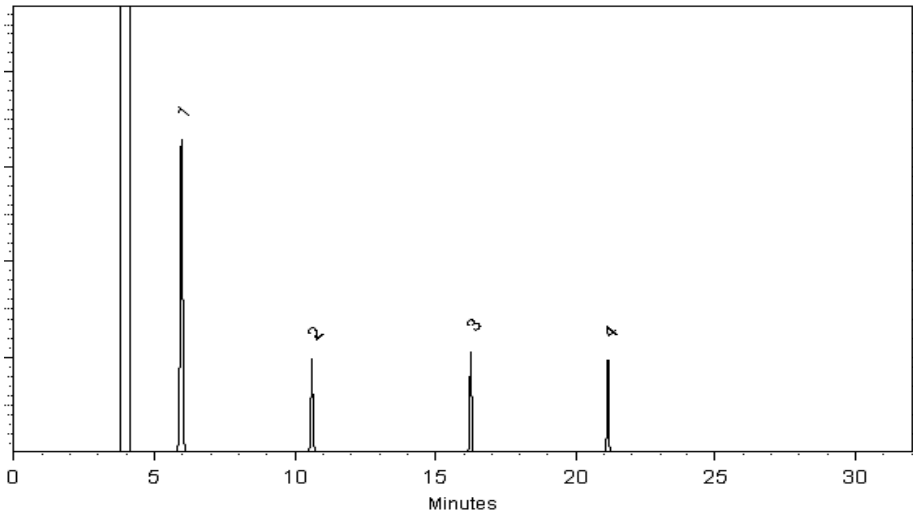
Inj. Temp:
200°C

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_00781

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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.)

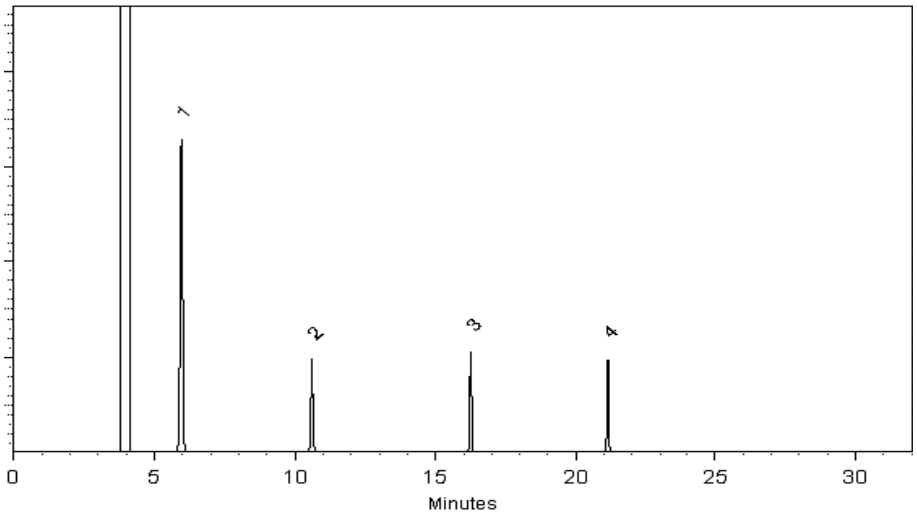
Inj. Temp:
200°C

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_00787

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Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 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.)

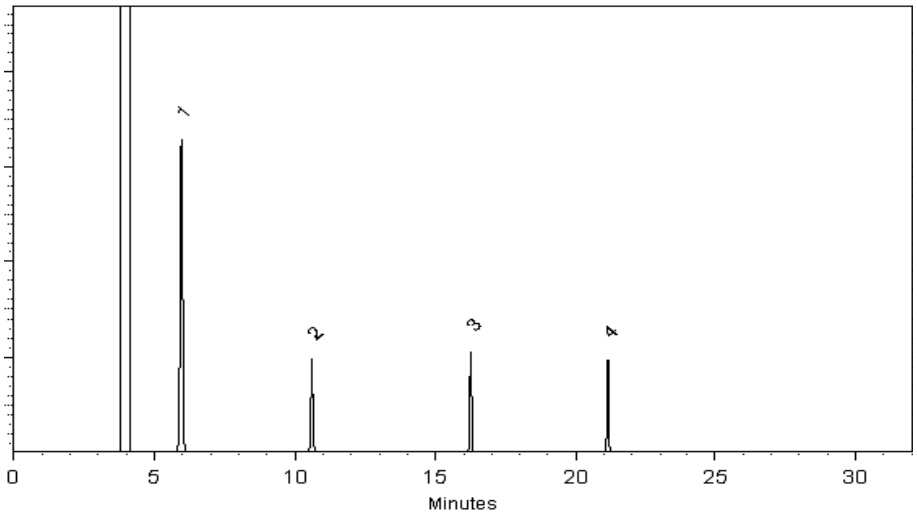
Inj. Temp:
200°C

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_00797

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CERTIFIED REFERENCE MATERIAL

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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.)

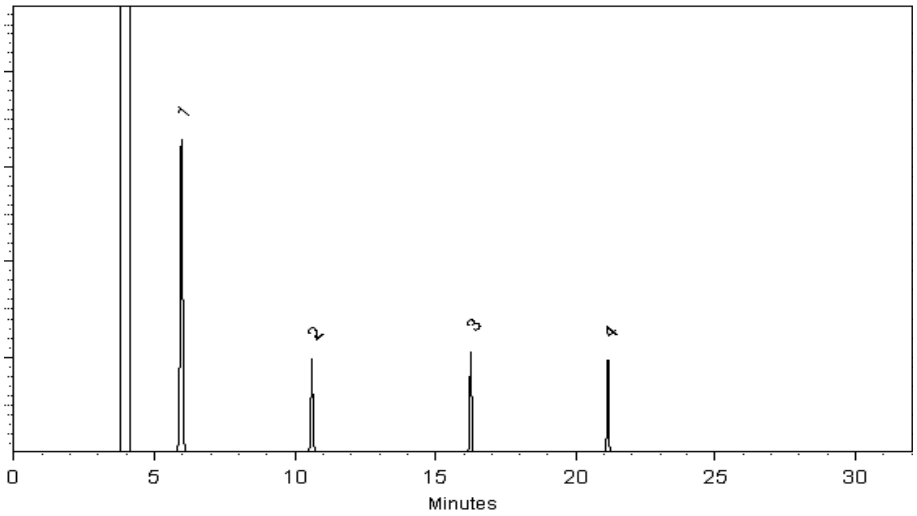
Inj. Temp:
200°C

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:

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- 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.
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- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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  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:

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Reagent

MSV_Cus826_IS_00803

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Bellefonte, PA 16823-8812
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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

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chromatographic plus

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

Description : Custom 8260A IS Mix

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

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

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

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Methyl-2-propanol-d10	53001-22-2	PR-29961	99%	12,587.5 µg/mL	+/- 156.5745
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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.)

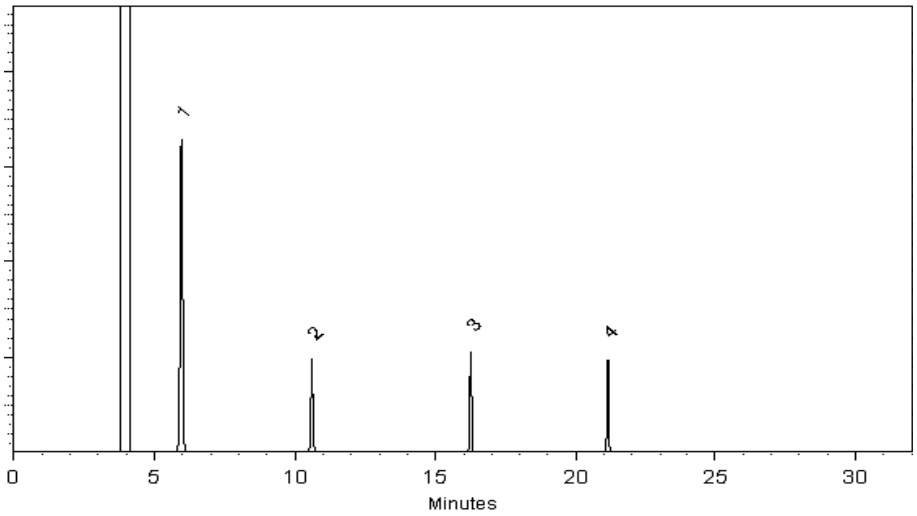
Inj. Temp:
200°C

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.

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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:

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  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_EthylAcry_00003

660 Tower Lane • P.O. Box 599 • West Chester, PA 19381-0599
1-800-452-9994 • 1-610-692-3026 • Fax 1-610-692-8729
info@chemservice.com • www.chemservice.com

CERTIFICATE OF ANALYSIS

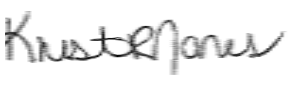
Ethyl acrylate

CATALOG NUMBER	N-11884-1G
LOT NUMBER	14239800
DATE CERTIFIED	03/24/23
EXPIRATION DATE	03/31/26
CAS NUMBER	140-88-5
MOLECULAR FORMULA	C5H8O2
MOLECULAR WEIGHT	100.12
STORAGE	Store at room temperature (20 - 25 °C).
HANDLING	See Safety Data Sheet
INTENDED USE	For laboratory use only.

Analytical Test	Value
% PURITY (GC/FID)	98.5
FT-IR SPECTROSCOPY	CONFORMS TO STRUCTURE

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

Certified By:



Kristin R Jones

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

PJLA Testing

PJLA Reference Material Producer

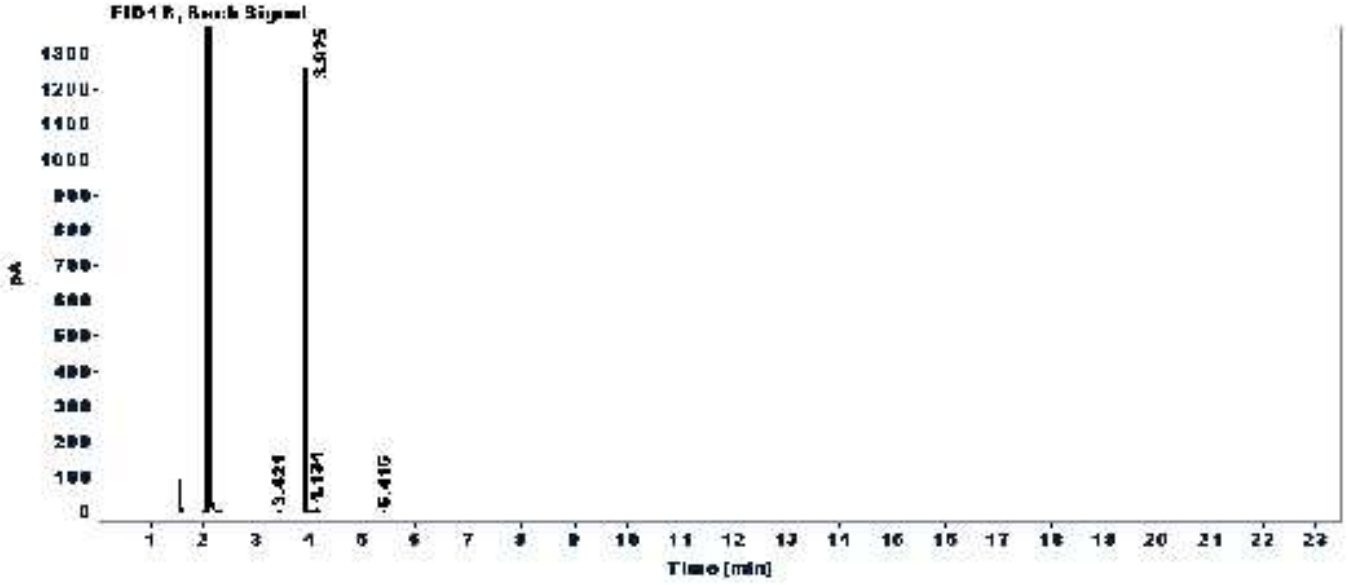
COA Form
Revision 3 (3/2015)

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1-800-452-9994 • 1-610-692-3026 • Fax 1-610-692-8729
info@chemservice.com • www.chemservice.com

CERTIFICATE OF ANALYSIS

Gas Chromatography / Flame Ionization Detector (GC/FID)

Data file:	C:\CHEM32\1\DATA\2023 DATA\0323\ethyl acrylate.D		
Sample name:	Ethyl acrylate		
Acq. method:	FRANNY-BACK.M		
Instrument:	GC3	**Location:**	203
Injection date:	3/24/2023 8:59:20 AM	**Injection Vol:**	1.000
Column name:	RTx-5MS (30m x 0.25mm x 0.5µm)	**# Of Injections:**	1



Signal: FID1 B, Back Signal

RT [min]	Type	Width [min]	Area	Height	Area%
3.421	BB	0.0211	4.0827	3.1559	0.2618
3.925	BB	0.0194	1536.8994	1248.9259	98.5417
4.134	BB	0.0187	16.9484	14.3806	1.0867
5.416	BB	0.0197	1.7128	1.3592	0.1098
		Sum	1559.6433		

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

Reagent

MSV_M_MIX2SEC_00218

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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. : 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.)

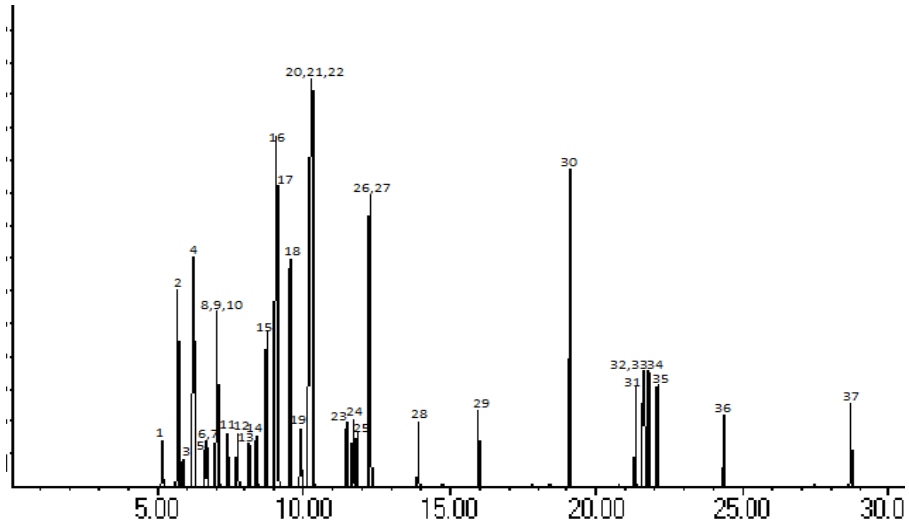
Inj. Temp:
200°C

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_00187

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.)

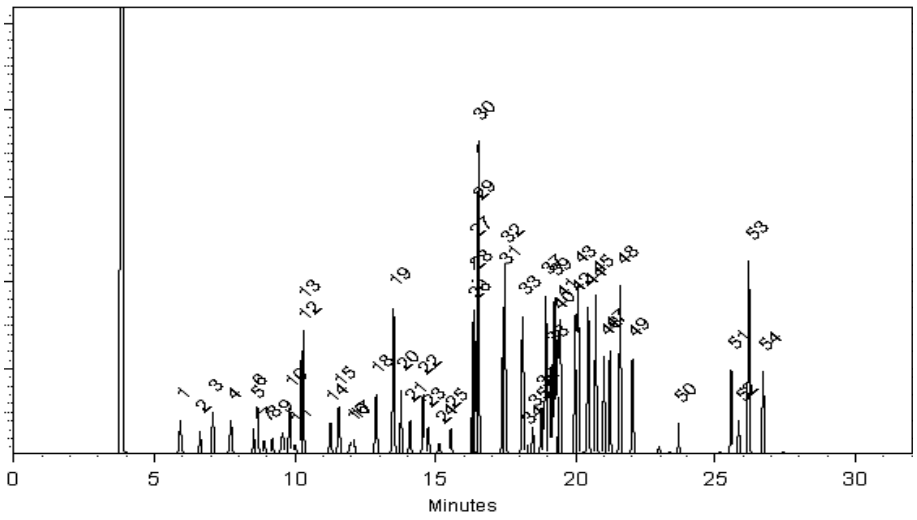
Inj. Temp:
200°C

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_00189

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.)

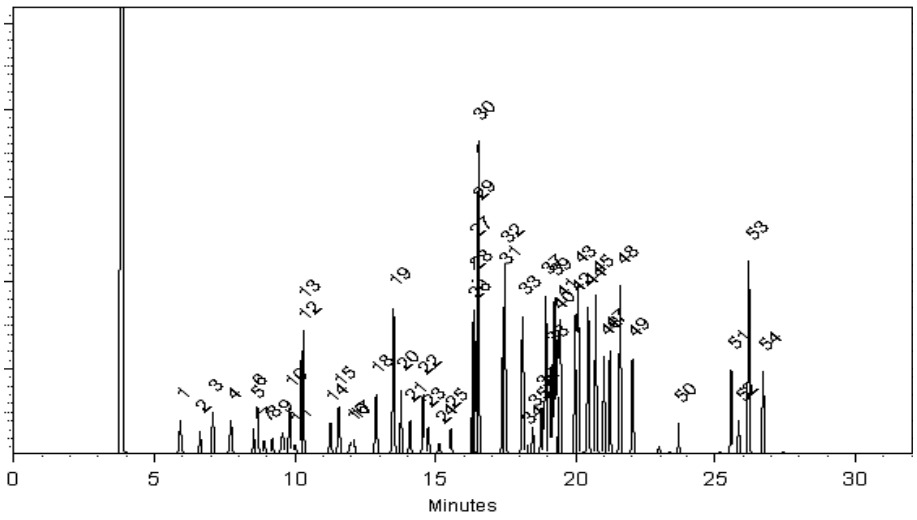
Inj. Temp:
200°C

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_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. : 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.)

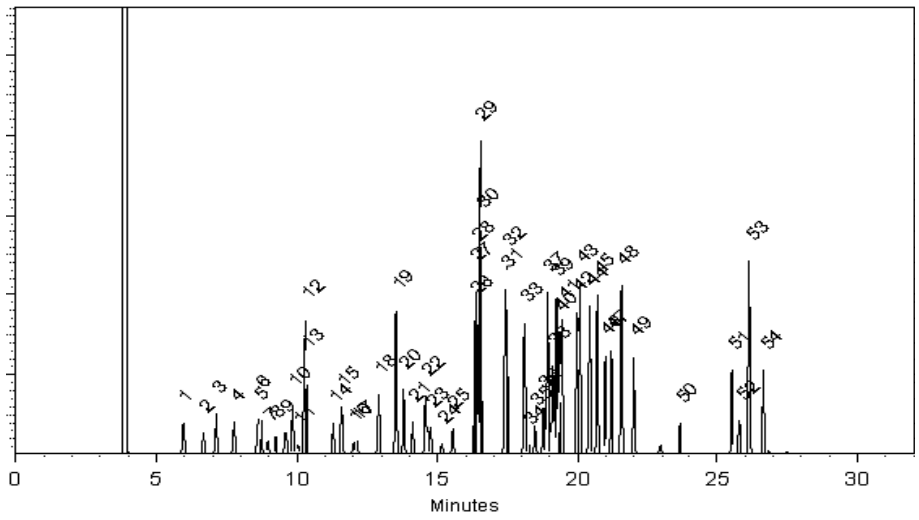
Inj. Temp:
200°C

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#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.)

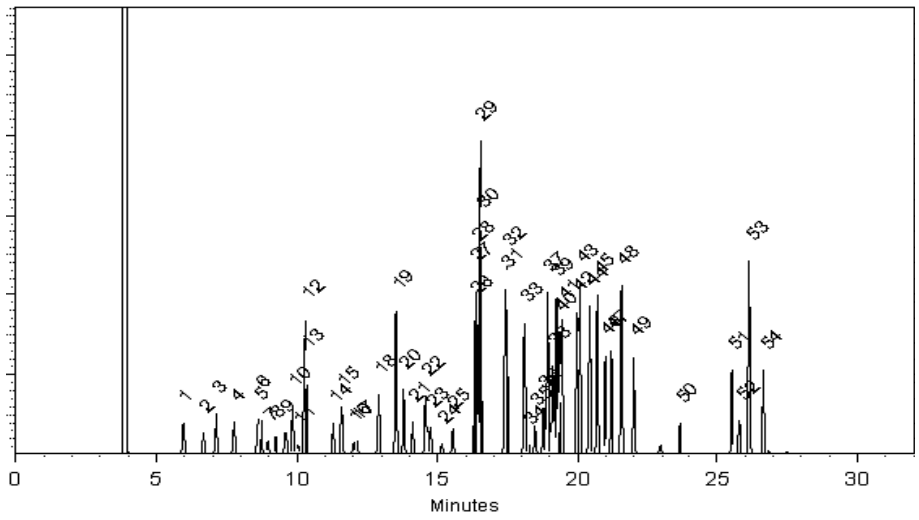
Inj. Temp:
200°C

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_00182

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.)

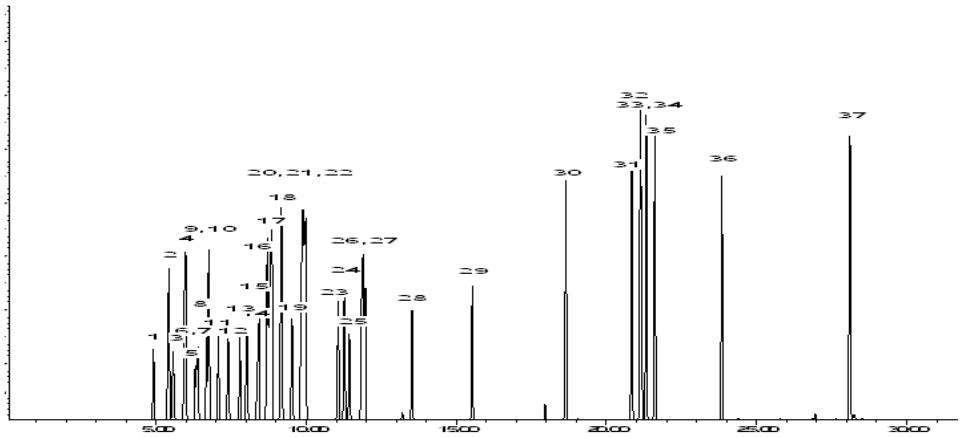
Inj. Temp:
200°C

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_00183

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.

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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

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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
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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.)

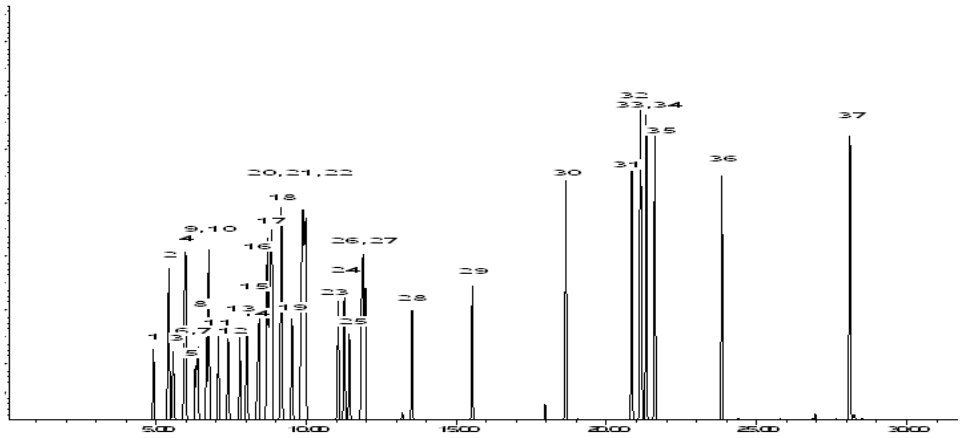
Inj. Temp:
200°C

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.)

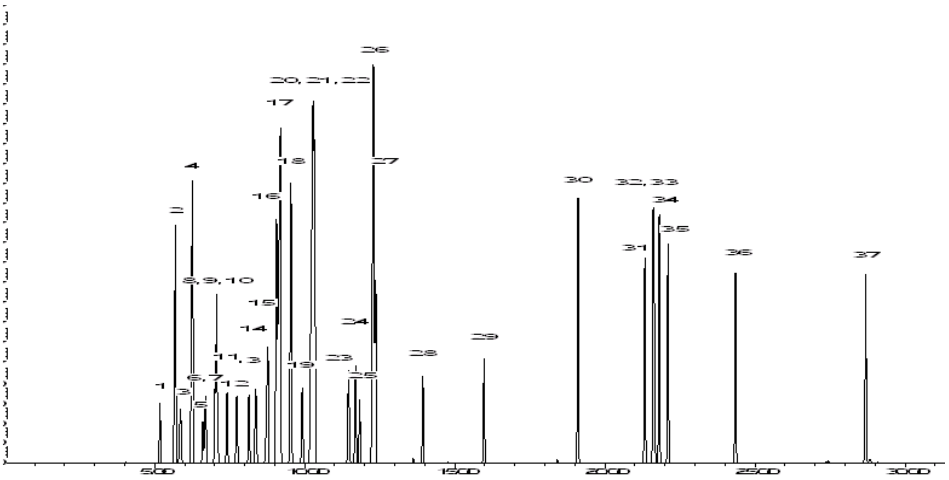
Inj. Temp:
200°C

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_00195

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.)

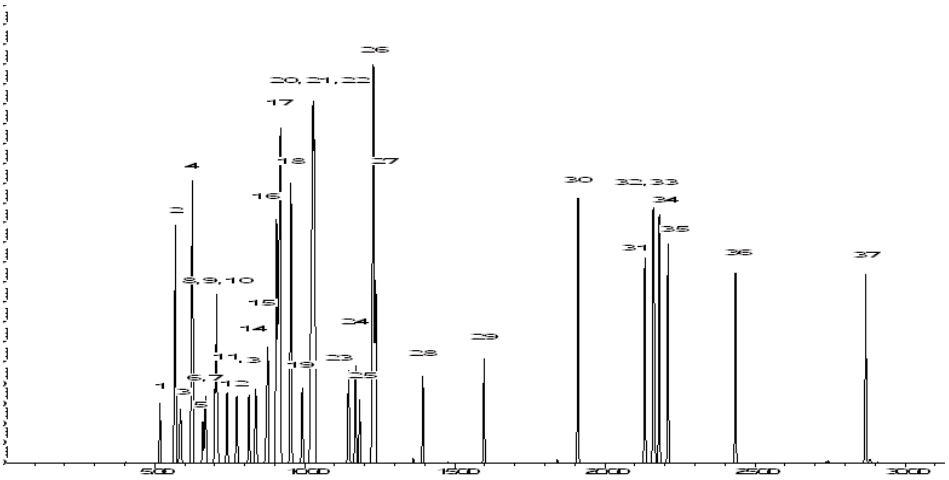
Inj. Temp:
200°C

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_MethylAcr_00003

660 Tower Lane • P.O. Box 599 • West Chester, PA 19381-0599
1-800-452-9994 • 1-610-692-3026 • Fax 1-610-692-8729
info@chemservice.com • www.chemservice.com

CERTIFICATE OF ANALYSIS

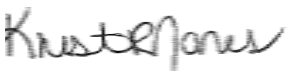
Methyl acrylate

CATALOG NUMBER	N-12413-1G
LOT NUMBER	14104500
DATE CERTIFIED	01/06/22
EXPIRATION DATE	01/31/26
CAS NUMBER	96-33-3
MOLECULAR FORMULA	C4H6O2
MOLECULAR WEIGHT	86.10
STORAGE	Store at room temperature (20 - 25 °C).
HANDLING	See Safety Data Sheet
INTENDED USE	For laboratory use only.

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

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

Certified By:



Kristin R Jones

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

PJLA Testing

PJLA Reference Material Producer

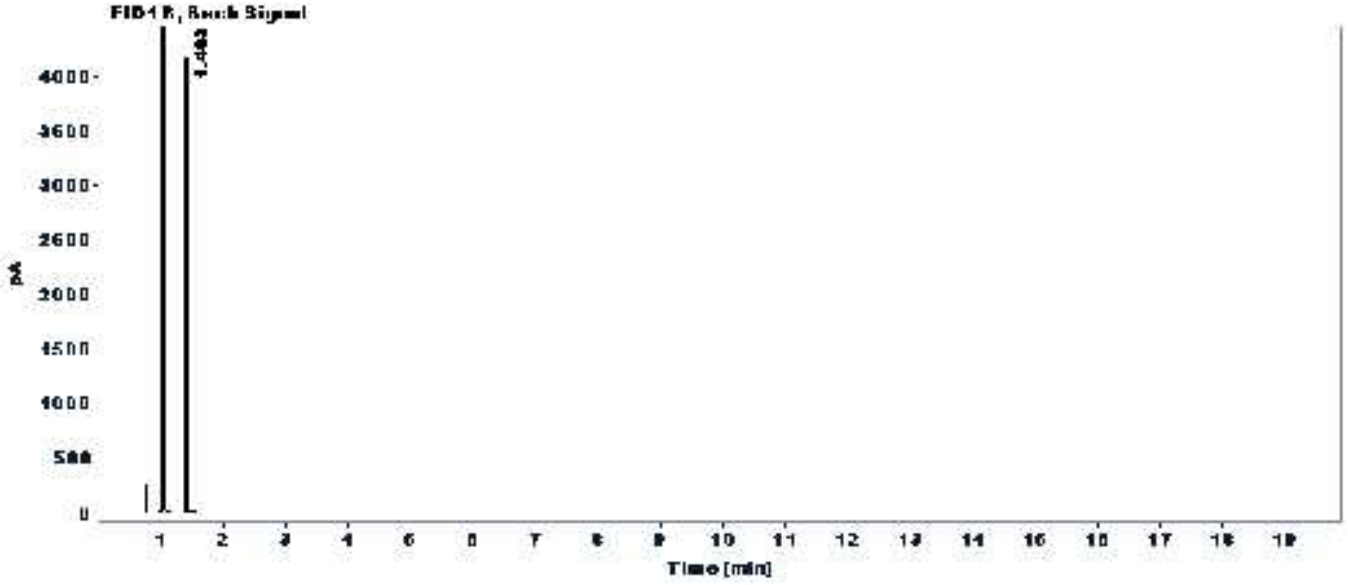
COA Form
Revision 3 (3/2015)

660 Tower Lane • P.O. Box 599 • West Chester, PA 19381-0599
1-800-452-9994 • 1-610-692-3026 • Fax 1-610-692-8729
info@chemservice.com • www.chemservice.com

CERTIFICATE OF ANALYSIS

Gas Chromatography / Flame Ionization Detector (GC/FID)

Data file:	C:\CHEM32\1\DATA\2022 DATA\0122\methyl acrylate.D		
Sample name:	Methyl acrylate		
Acq. method:	FRANNY-BACK.M		
Instrument:	GC3	**Location:**	201
Injection date:	1/6/2022 9:14:16 AM	**Injection Vol:**	1.000
Column name:	RTx-5MS (30m x 0.25mm x 0.5µm)	**# Of Injections:**	1



Signal: FID1 B, Back Signal

RT [min]	Type	Width [min]	Area	Height	Area%
1.403	BB S	0.0102	2527.1797	4118.3921	100.0000
		Sum	2527.1797		

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

PJLA Testing

PJLA Reference Material Producer

Reagent

MSV_nButylAcr_00005

660 Tower Lane • P.O. Box 599 • West Chester, PA 19381-0599
1-800-452-9994 • 1-610-692-3026 • Fax 1-610-692-8729
info@chemservice.com • www.chemservice.com

CERTIFICATE OF ANALYSIS

n-Butyl acrylate

CATALOG NUMBER	N-12513-1G
LOT NUMBER	14061100
DATE CERTIFIED	01/06/20
EXPIRATION DATE	01/31/26
CAS NUMBER	141-32-2
MOLECULAR FORMULA	C7H12O2
MOLECULAR WEIGHT	128.17
STORAGE	Store at room temperature (20 - 25 °C).
HANDLING	See Safety Data Sheet
INTENDED USE	For laboratory use only.

Analytical Test	Value
% PURITY (GC/FID)	99.5

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

Certified By:

Kristin R Jones

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

PJLA Testing

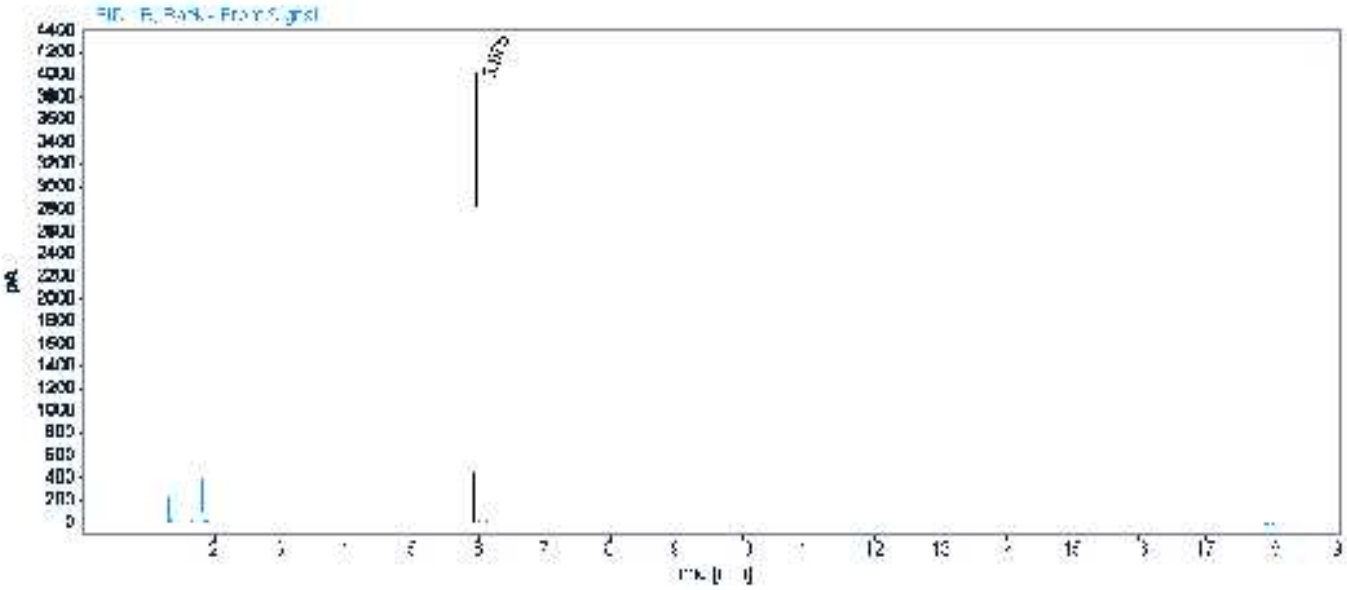
PJLA Reference Material Producer

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1-800-452-9994 • 1-610-692-3026 • Fax 1-610-692-8729
info@chemservice.com • www.chemservice.com

CERTIFICATE OF ANALYSIS

Gas Chromatography / Flame Ionization Detector (GC/FID)

Data file:	C:\CHEM32\1\DATA\2020 DATA\0120\butyl acrylate.D		
Sample name:	Butyl acrylate		
Description:			
Acq. method:	S-10428M1.M		
		Location:	204
Instrument:	GC3	**Injection Vol:**	1.000
Injection date:	1/6/2020 9:50:14 AM	**# Of Injections:**	1
Column name:	HP-5ms Ultra Inert	**Diameter** 250.000 **Length** 30.000	**Particle Size** 0.250



Signal: FID1 B, Back - Front Signal

RT [min]	Type	Width [min]	Area	Height	Area%
5.975	BV	0.0296	8741.1309	3980.0339	100.0000
		Sum	8741.1309		

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

Reagent

MSV_Q_Ketones_00192

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.)

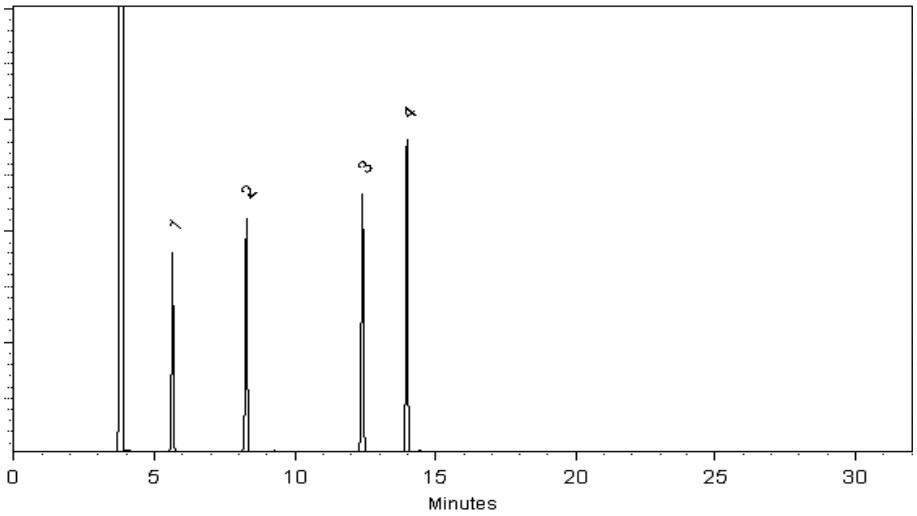
Inj. Temp:
200°C

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:

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  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_00195

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.)

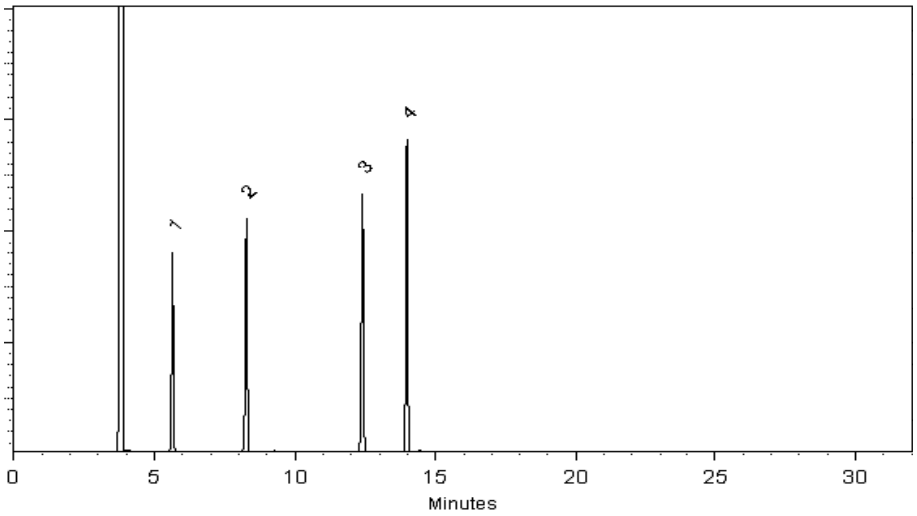
Inj. Temp:
200°C

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_00223

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.)

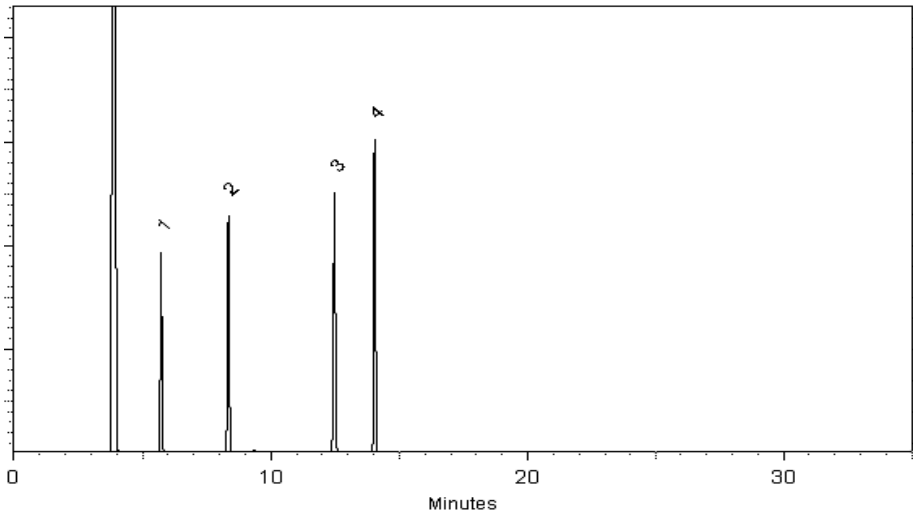
Inj. Temp:
200°C

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_Q_Ketones_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.

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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.)

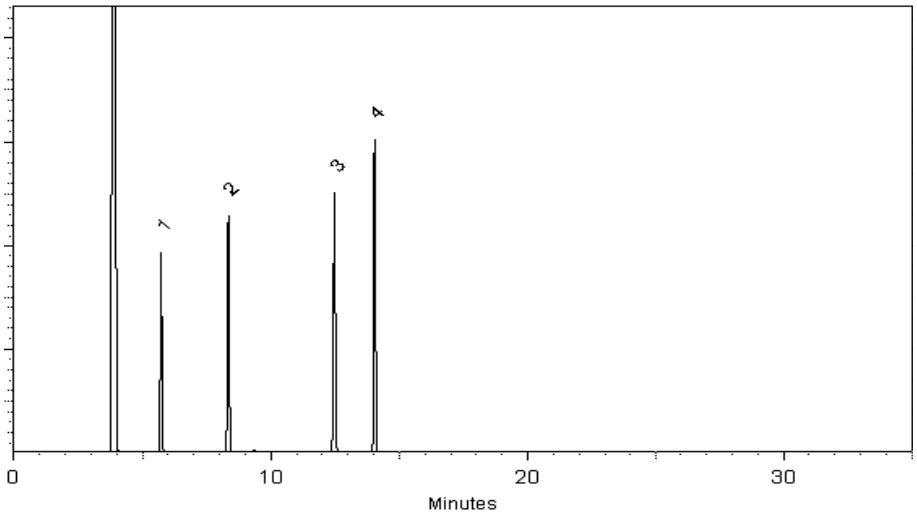
Inj. Temp:
200°C

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_00225

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

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

Description : Custom Gases.SEC Standard

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

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

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

Ship: Ambient

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

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

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

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

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

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

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

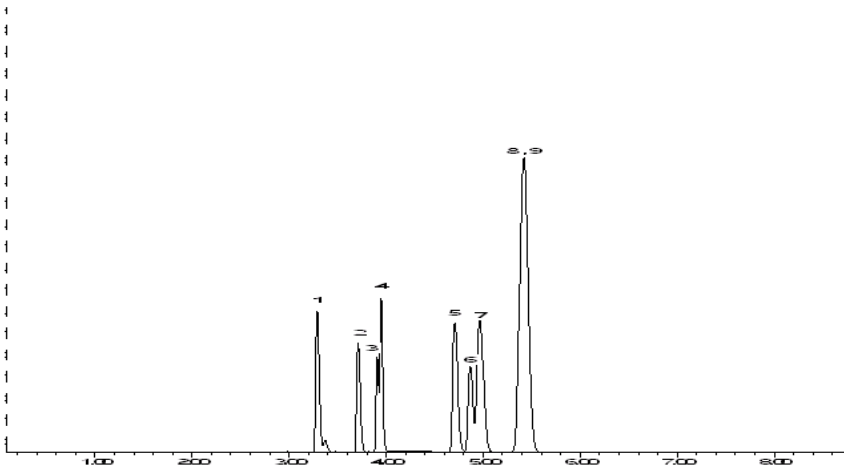
Carrier Gas:
helium-constant flow 2.0 mL/min.

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

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD



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

Brandon Reish - Mix Technician

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

Marlina Cowan - Operations Tech I

Date Passed: 10-May-2022

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_QC_2K_GAS_00236

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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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)

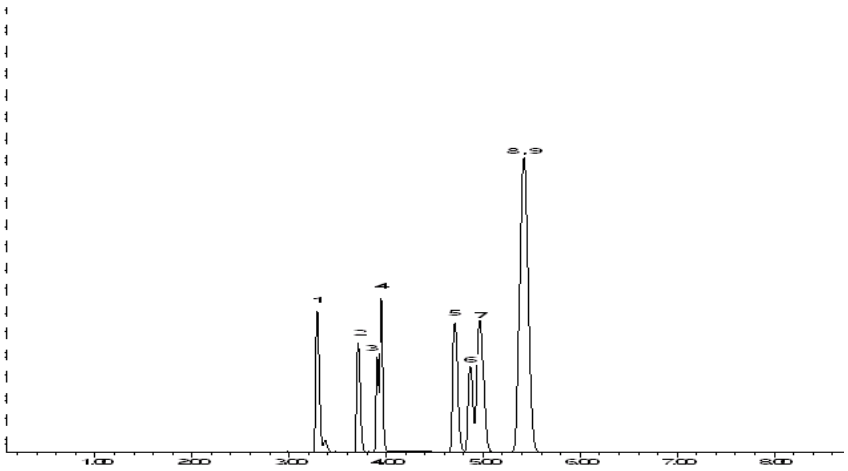
Carrier Gas:
helium-constant flow 2.0 mL/min.

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:

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

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

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

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ISO 17034 Accredited
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Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 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)

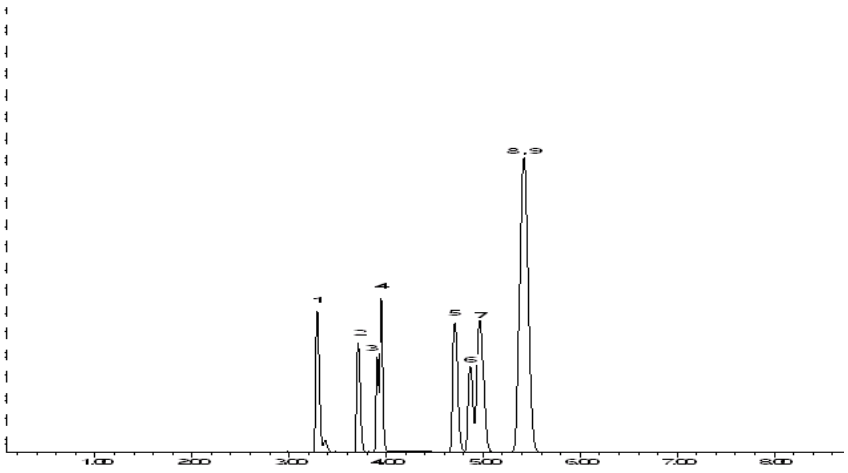
Carrier Gas:
helium-constant flow 2.0 mL/min.

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

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

Description : Custom Gases.SEC Standard

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

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

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

Ship: Ambient

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

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

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

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

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

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

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

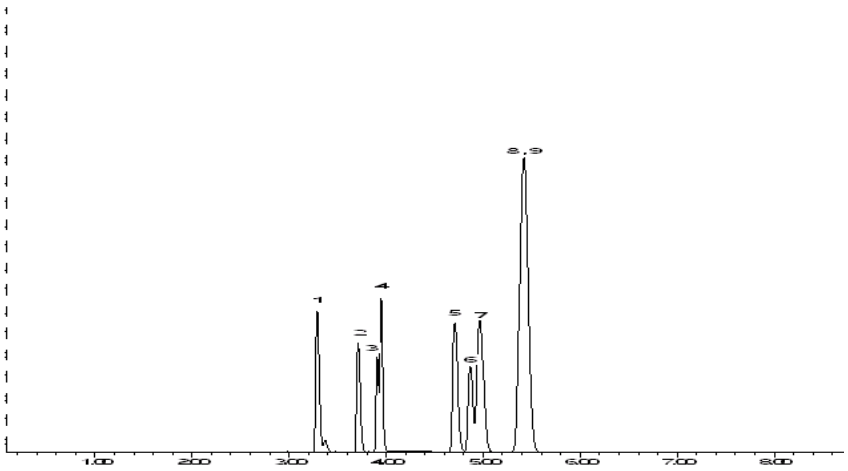
Carrier Gas:
helium-constant flow 2.0 mL/min.

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

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD



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

Brandon Reish - Mix Technician

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

Marlina Cowan - Operations Tech I

Date Passed: 10-May-2022

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

Reagent

MSV_V_2CLEVE_00187

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

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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. : 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.)

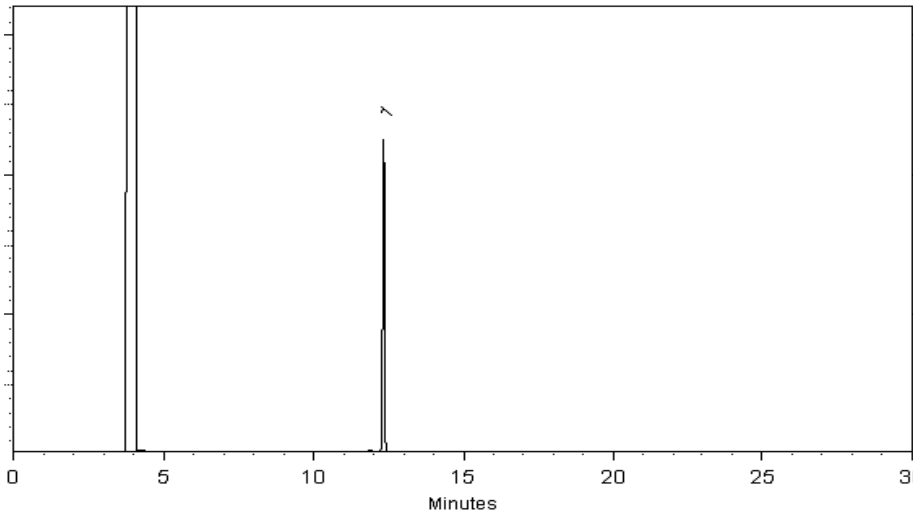
Inj. Temp:
200°C

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_2CLEVE_00200

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Bellefonte, PA 16823-8812
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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. : 577492 **Lot No.:** A0211425

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 : 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	2-Chloroethyl vinyl ether	110-75-8	MKBS6526V	99%	5,044.0 µg/mL	+/- 62.7735

* 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.)

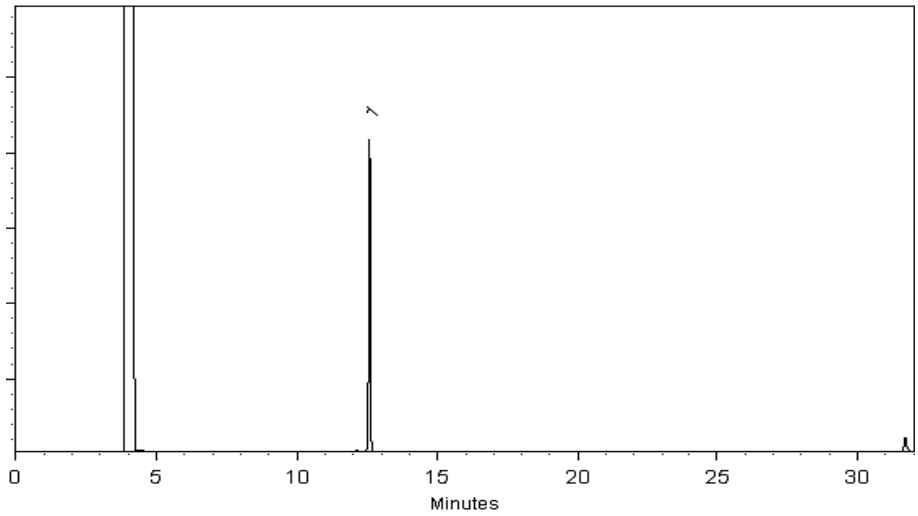
Inj. Temp:
200°C

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: 14-May-2024 **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-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_00170

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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chromatographic plus

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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.)

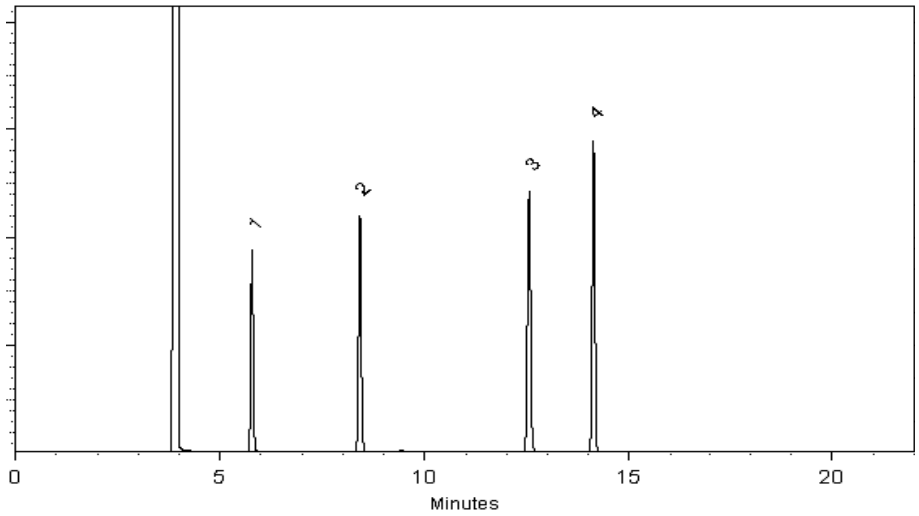
Inj. Temp:
200°C

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_00172

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

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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. : 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.)

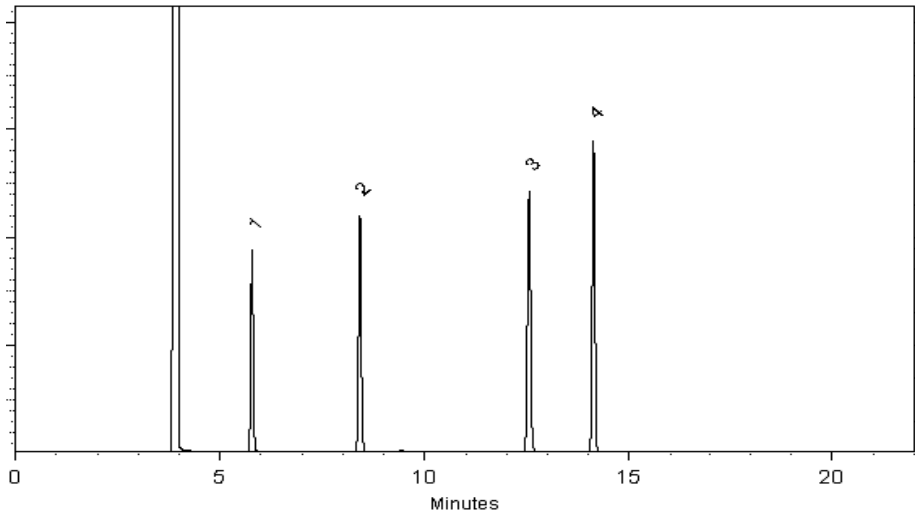
Inj. Temp:
200°C

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_00195

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110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
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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. : 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.)

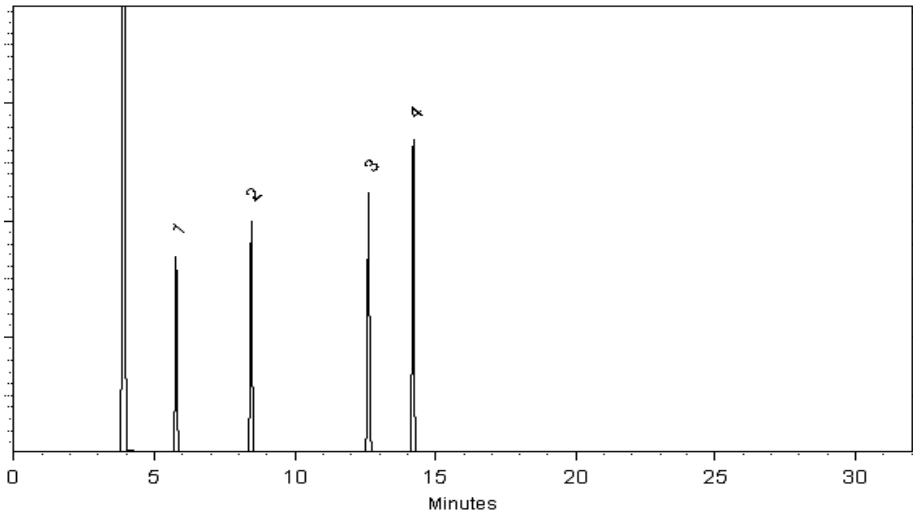
Inj. Temp:
200°C

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_00199

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

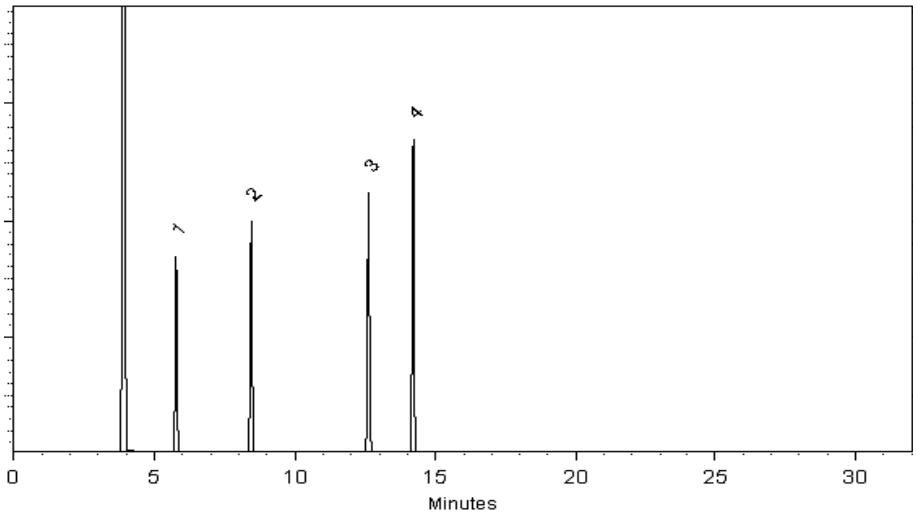
Inj. Temp:
200°C

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_00200

RESTEK
110 Benner Circle
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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. : 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.)

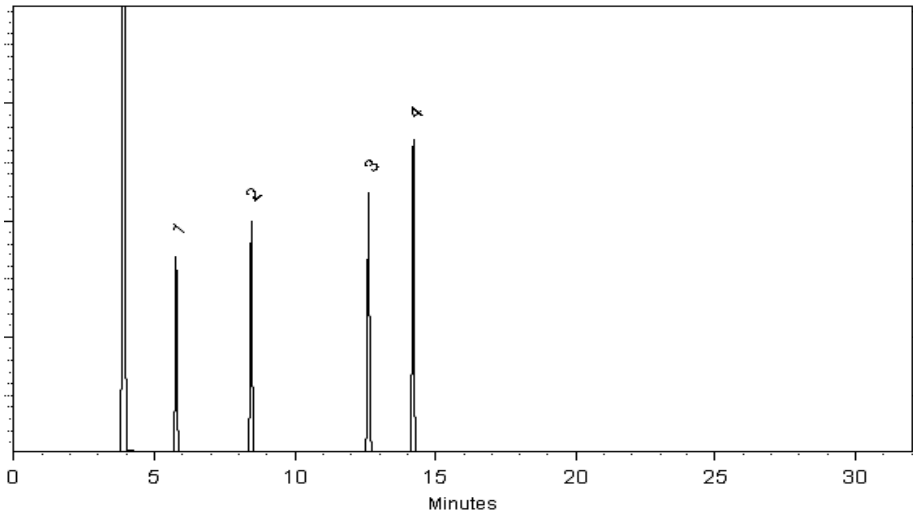
Inj. Temp:
200°C

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_00049

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. : 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)

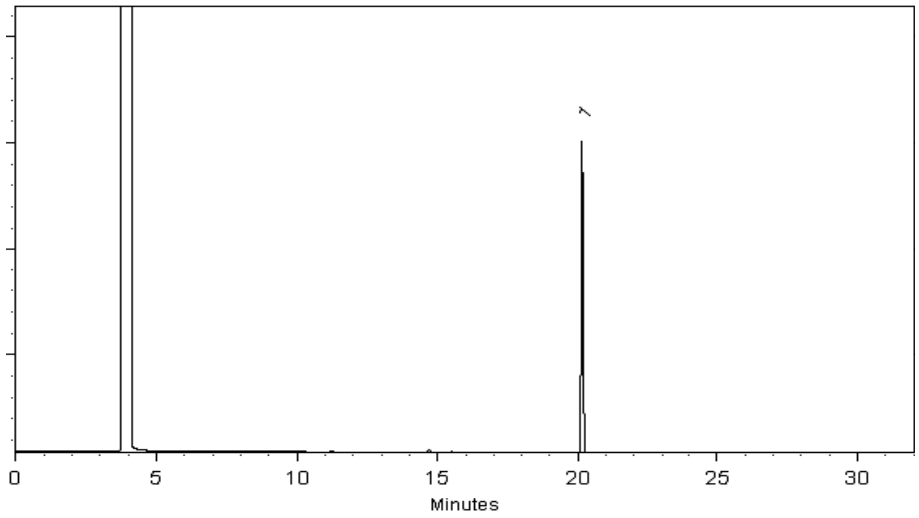
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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.)

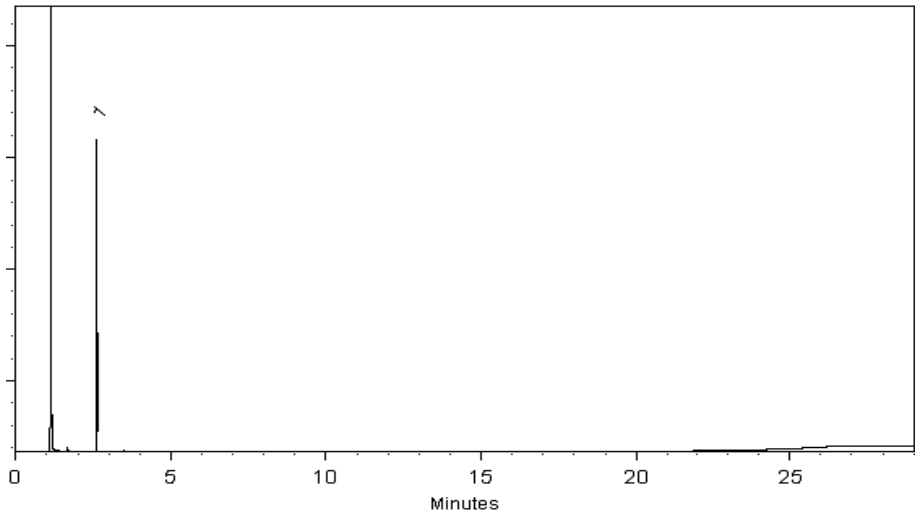
Inj. Temp:
250°C

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_00044

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)

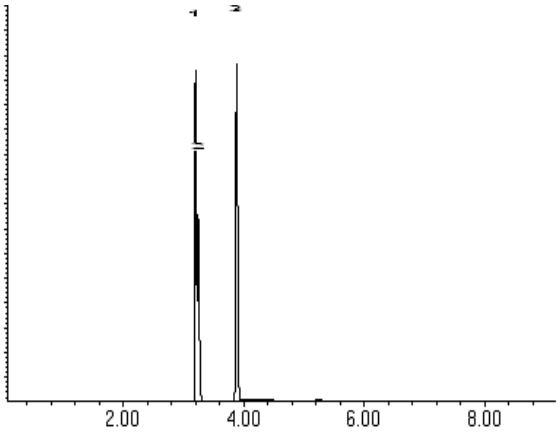
Carrier Gas:
helium-constant flow 2.0 mL/min.

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_00050

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)

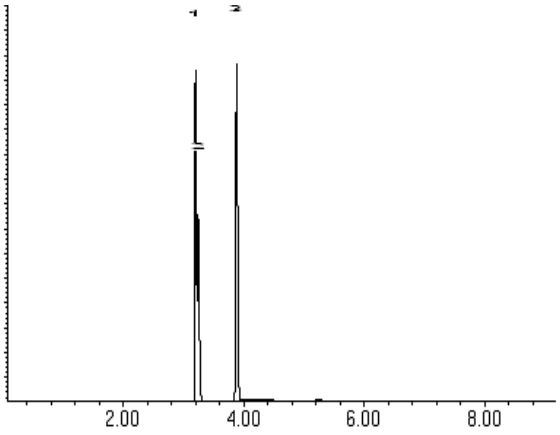
Carrier Gas:
helium-constant flow 2.0 mL/min.

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:

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

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.
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Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
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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.

Method 8260D

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

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): R-624SilMS 3 ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
HD-MW-88-0/1-0	410-190105-1	99	101	103	97
HD-MW-5-0/1-0	410-190105-2	98	97	102	96
HD-MW-108D-0/1-0	410-190105-3	100	100	103	97
HD-MW-166-0/1-0	410-190105-4	99	101	103	97
HD-MW-167-0/1-0	410-190105-5	100	101	103	97
HD-MW-168-0/1-0	410-190105-6	99	99	102	98
HD-QC1-0/1-3	410-190105-7	103	101	100	99
HD-QC1-0/1-4	410-190105-8	99	99	102	97
HD-MW-6-0/1-0	410-190105-9	101	102	102	97
HD-MW-101S-0/1-0	410-190105-10	98	99	102	97
HD-MW-101D-0/1-0	410-190105-11	99	100	102	98
HD-MW-108S-0/1-0	410-190105-12	99	97	103	96
HD-MW-20S-0/1-0	410-190105-13	99	100	104	98
HD-MW-20M-0/1-0	410-190105-14	99	98	104	96
HD-MW-14-0/1-0	410-190105-15	100	97	102	97
HD-MW-22-0/1-0	410-190105-16	100	99	103	97
HD-QC1-0/1-1	410-190105-17	99	101	104	88
HD-QC1-0/1-2	410-190105-18	100	98	104	96
HD-MW-9-0/1-0	410-190105-19	101	101	103	98
	MB 410-558100/7	101	102	104	96
	MB 410-558854/10	102	100	100	98
	MB 410-560477/7	100	103	104	90
	LCS 410-558100/4	98	99	103	99
	LCS 410-558854/5	105	102	102	101
	LCS 410-560477/8	98	102	105	92
	LCSD 410-558100/5	98	99	102	97
	LCSD 410-558854/6	100	98	99	98
HD-MW-22-0/1-0MS MS	410-190105-16 MS	99	98	103	97
HD-MW-22-0/1-0MSD MSD	410-190105-16 MSD	99	98	103	96

	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.: 410-190105-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 4C01X33.D

Lab ID: LCS 410-558100/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	20.0	17.6	88	79-120	
1,1,1-Trichloroethane	20.0	16.9	85	73-120	
1,1,2,2-Tetrachloroethane	20.0	18.3	91	72-120	
1,1,2-Trichloroethane	20.0	18.6	93	80-120	
1,1-Dichloroethane	20.0	18.8	94	80-120	
1,1-Dichloroethene	20.0	18.3	92	80-131	
1,2-Dibromoethane (EDB)	20.0	18.0	90	77-120	
1,2-Dichloroethane	20.0	17.3	86	73-124	
1,2-Dichloropropane	20.0	18.4	92	80-120	
2-Butanone (MEK)	250	230	92	59-135	
2-Hexanone	250	237	95	56-135	
4-Methyl-2-pentanone (MIBK)	250	231	92	62-133	
Acetone	250	251	100	57-143	
Benzene	20.0	18.0	90	80-120	
Bromochloromethane	20.0	18.3	92	80-120	
Bromodichloromethane	20.0	17.1	85	71-120	
Bromoform	20.0	15.7	78	51-120	
Bromomethane	20.0	16.7	83	53-128	
Carbon disulfide	20.0	16.0	80	65-128	
Carbon tetrachloride	20.0	16.9	84	64-134	
Chlorobenzene	20.0	18.0	90	80-120	
Chloroethane	20.0	17.6	88	55-123	
Chloroform	20.0	17.3	87	80-120	
Chloromethane	20.0	16.2	81	39-134	
cis-1,2-Dichloroethene	20.0	17.8	89	80-125	
cis-1,3-Dichloropropene	20.0	16.3	81	75-120	
Dibromochloromethane	20.0	17.0	85	71-120	
Ethylbenzene	20.0	17.4	87	80-120	
Methyl tert-butyl ether	20.0	18.4	92	69-122	
Methylene Chloride	20.0	18.4	92	80-120	
Styrene	20.0	18.0	90	80-120	
Tetrachloroethene	20.0	17.6	88	80-120	
Toluene	20.0	18.5	93	80-120	
trans-1,2-Dichloroethene	20.0	18.3	92	80-126	
trans-1,3-Dichloropropene	20.0	17.1	85	67-120	
Trichloroethene	20.0	17.8	89	80-120	
Vinyl chloride	20.0	16.3	81	56-120	
Xylenes, Total	60.0	52.7	88	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.: 410-190105-1

SDG No.:

Matrix: Water Level: Low Lab File ID: WC03X04.D

Lab ID: LCS 410-558854/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	20.0	19.4	97	79-120	
1,1,1-Trichloroethane	20.0	19.8	99	73-120	
1,1,2,2-Tetrachloroethane	20.0	18.9	95	72-120	
1,1,2-Trichloroethane	20.0	18.3	92	80-120	
1,1-Dichloroethane	20.0	21.1	105	80-120	
1,1-Dichloroethene	20.0	22.1	111	80-131	
1,2-Dibromoethane (EDB)	20.0	18.0	90	77-120	
1,2-Dichloroethane	20.0	19.4	97	73-124	
1,2-Dichloropropane	20.0	19.1	95	80-120	
2-Butanone (MEK)	250	226	90	59-135	
2-Hexanone	250	240	96	56-135	
4-Methyl-2-pentanone (MIBK)	250	242	97	62-133	
Acetone	250	212	85	57-143	
Benzene	20.0	19.4	97	80-120	
Bromochloromethane	20.0	19.9	100	80-120	
Bromodichloromethane	20.0	18.6	93	71-120	
Bromoform	20.0	17.8	89	51-120	
Bromomethane	20.0	14.1	71	53-128	
Carbon disulfide	20.0	18.6	93	65-128	
Carbon tetrachloride	20.0	19.2	96	64-134	
Chlorobenzene	20.0	19.4	97	80-120	
Chloroethane	20.0	16.3	82	55-123	
Chloroform	20.0	20.5	103	80-120	
Chloromethane	20.0	13.0	65	39-134	
cis-1,2-Dichloroethene	20.0	20.3	102	80-125	
cis-1,3-Dichloropropene	20.0	16.6	83	75-120	
Dibromochloromethane	20.0	18.9	94	71-120	
Ethylbenzene	20.0	19.8	99	80-120	
Methyl tert-butyl ether	20.0	17.4	87	69-122	
Methylene Chloride	20.0	20.1	100	80-120	
Styrene	20.0	19.4	97	80-120	
Tetrachloroethene	20.0	19.8	99	80-120	
Toluene	20.0	19.7	99	80-120	
trans-1,2-Dichloroethene	20.0	21.1	106	80-126	
trans-1,3-Dichloropropene	20.0	17.4	87	67-120	
Trichloroethene	20.0	19.2	96	80-120	
Vinyl chloride	20.0	13.7	68	56-120	
Xylenes, Total	60.0	58.6	98	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.: 410-190105-1

SDG No.:

Matrix: Water Level: Low Lab File ID: LC08X07.D

Lab ID: LCS 410-560477/8 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	20.0	18.0	90	79-120	
1,1,1-Trichloroethane	20.0	16.2	81	73-120	
1,1,2,2-Tetrachloroethane	20.0	20.5	103	72-120	
1,1,2-Trichloroethane	20.0	19.7	98	80-120	
1,1-Dichloroethane	20.0	19.0	95	80-120	
1,1-Dichloroethene	20.0	16.7	84	80-131	
1,2-Dibromoethane (EDB)	20.0	19.0	95	77-120	
1,2-Dichloroethane	20.0	17.6	88	73-124	
1,2-Dichloropropane	20.0	19.4	97	80-120	
2-Butanone (MEK)	250	256	102	59-135	
2-Hexanone	250	265	106	56-135	
4-Methyl-2-pentanone (MIBK)	250	242	97	62-133	
Acetone	250	226	90	57-143	
Benzene	20.0	18.1	91	80-120	
Bromochloromethane	20.0	17.8	89	80-120	
Bromodichloromethane	20.0	17.9	89	71-120	
Bromoform	20.0	19.1	96	51-120	
Bromomethane	20.0	17.2	86	53-128	
Carbon disulfide	20.0	17.3	86	65-128	
Carbon tetrachloride	20.0	16.8	84	64-134	
Chlorobenzene	20.0	18.6	93	80-120	
Chloroethane	20.0	19.4	97	55-123	
Chloroform	20.0	16.7	84	80-120	
Chloromethane	20.0	19.9	99	39-134	
cis-1,2-Dichloroethene	20.0	17.8	89	80-125	
cis-1,3-Dichloropropene	20.0	16.4	82	75-120	
Dibromochloromethane	20.0	19.6	98	71-120	
Ethylbenzene	20.0	17.7	88	80-120	
Methyl tert-butyl ether	20.0	15.5	77	69-122	
Methylene Chloride	20.0	16.7	84	80-120	
Styrene	20.0	16.9	85	80-120	
Tetrachloroethene	20.0	18.5	92	80-120	
Toluene	20.0	18.7	94	80-120	
trans-1,2-Dichloroethene	20.0	17.5	87	80-126	
trans-1,3-Dichloropropene	20.0	18.2	91	67-120	
Trichloroethene	20.0	17.1	86	80-120	
Vinyl chloride	20.0	18.5	93	56-120	
Xylenes, Total	60.0	52.8	88	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.: 410-190105-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 4C01X34.D

Lab ID: LCSD 410-558100/5 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	20.0	17.7	89	1	30	79-120	
1,1,1-Trichloroethane	20.0	17.1	86	1	30	73-120	
1,1,2,2-Tetrachloroethane	20.0	19.0	95	4	30	72-120	
1,1,2-Trichloroethane	20.0	18.2	91	2	30	80-120	
1,1-Dichloroethane	20.0	18.9	94	0	30	80-120	
1,1-Dichloroethene	20.0	18.8	94	3	30	80-131	
1,2-Dibromoethane (EDB)	20.0	18.0	90	0	30	77-120	
1,2-Dichloroethane	20.0	17.7	88	2	30	73-124	
1,2-Dichloropropane	20.0	18.3	92	0	30	80-120	
2-Butanone (MEK)	250	235	94	2	30	59-135	
2-Hexanone	250	236	95	0	30	56-135	
4-Methyl-2-pentanone (MIBK)	250	230	92	0	30	62-133	
Acetone	250	241	96	4	30	57-143	
Benzene	20.0	18.0	90	0	30	80-120	
Bromochloromethane	20.0	18.0	90	2	30	80-120	
Bromodichloromethane	20.0	16.9	85	1	30	71-120	
Bromoform	20.0	15.4	77	1	30	51-120	
Bromomethane	20.0	16.4	82	1	30	53-128	
Carbon disulfide	20.0	15.8	79	1	30	65-128	
Carbon tetrachloride	20.0	17.1	85	1	30	64-134	
Chlorobenzene	20.0	17.7	88	2	30	80-120	
Chloroethane	20.0	17.7	88	1	30	55-123	
Chloroform	20.0	17.6	88	2	30	80-120	
Chloromethane	20.0	15.9	80	2	30	39-134	
cis-1,2-Dichloroethene	20.0	17.8	89	0	30	80-125	
cis-1,3-Dichloropropene	20.0	16.3	81	0	30	75-120	
Dibromochloromethane	20.0	16.8	84	1	30	71-120	
Ethylbenzene	20.0	17.6	88	1	30	80-120	
Methyl tert-butyl ether	20.0	18.0	90	2	30	69-122	
Methylene Chloride	20.0	18.7	93	1	30	80-120	
Styrene	20.0	17.6	88	3	30	80-120	
Tetrachloroethene	20.0	17.5	87	1	30	80-120	
Toluene	20.0	18.4	92	1	30	80-120	
trans-1,2-Dichloroethene	20.0	18.6	93	1	30	80-126	
trans-1,3-Dichloropropene	20.0	16.7	84	2	30	67-120	
Trichloroethene	20.0	17.8	89	0	30	80-120	
Vinyl chloride	20.0	16.2	81	0	30	56-120	
Xylenes, Total	60.0	53.2	89	1	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.: 410-190105-1

SDG No.:

Matrix: Water Level: Low Lab File ID: WC03X05.D

Lab ID: LCSD 410-558854/6 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	20.0	18.7	94	3	30	79-120	
1,1,1-Trichloroethane	20.0	19.0	95	4	30	73-120	
1,1,2,2-Tetrachloroethane	20.0	18.9	95	0	30	72-120	
1,1,2-Trichloroethane	20.0	18.2	91	1	30	80-120	
1,1-Dichloroethane	20.0	19.6	98	7	30	80-120	
1,1-Dichloroethene	20.0	20.9	105	6	30	80-131	
1,2-Dibromoethane (EDB)	20.0	18.3	91	1	30	77-120	
1,2-Dichloroethane	20.0	18.6	93	5	30	73-124	
1,2-Dichloropropane	20.0	19.0	95	0	30	80-120	
2-Butanone (MEK)	250	223	89	1	30	59-135	
2-Hexanone	250	234	94	3	30	56-135	
4-Methyl-2-pentanone (MIBK)	250	237	95	2	30	62-133	
Acetone	250	241	96	13	30	57-143	
Benzene	20.0	18.7	94	4	30	80-120	
Bromochloromethane	20.0	18.9	94	5	30	80-120	
Bromodichloromethane	20.0	18.8	94	1	30	71-120	
Bromoform	20.0	17.3	87	3	30	51-120	
Bromomethane	20.0	14.1	71	0	30	53-128	
Carbon disulfide	20.0	18.2	91	2	30	65-128	
Carbon tetrachloride	20.0	18.7	94	3	30	64-134	
Chlorobenzene	20.0	19.0	95	2	30	80-120	
Chloroethane	20.0	15.7	79	4	30	55-123	
Chloroform	20.0	19.2	96	7	30	80-120	
Chloromethane	20.0	13.0	65	1	30	39-134	
cis-1,2-Dichloroethene	20.0	19.1	96	6	30	80-125	
cis-1,3-Dichloropropene	20.0	17.0	85	2	30	75-120	
Dibromochloromethane	20.0	17.8	89	6	30	71-120	
Ethylbenzene	20.0	18.9	95	4	30	80-120	
Methyl tert-butyl ether	20.0	17.3	86	1	30	69-122	
Methylene Chloride	20.0	19.2	96	5	30	80-120	
Styrene	20.0	18.9	94	3	30	80-120	
Tetrachloroethene	20.0	19.3	97	3	30	80-120	
Toluene	20.0	19.0	95	4	30	80-120	
trans-1,2-Dichloroethene	20.0	19.8	99	6	30	80-126	
trans-1,3-Dichloropropene	20.0	17.4	87	0	30	67-120	
Trichloroethene	20.0	18.5	93	4	30	80-120	
Vinyl chloride	20.0	13.5	67	2	30	56-120	
Xylenes, Total	60.0	56.1	94	4	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.: 410-190105-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 4C01X41.D

Lab ID: 410-190105-16 MS Client ID: HD-MW-22-0/1-0MS MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	20.0	ND	19.6	98	75-120	
1,1,1-Trichloroethane	20.0	ND	20.6	103	68-120	
1,1,2,2-Tetrachloroethane	20.0	ND	19.6	98	71-122	
1,1,2-Trichloroethane	20.0	ND	19.6	98	80-120	
1,1-Dichloroethane	20.0	ND	21.6	108	74-120	
1,1-Dichloroethene	20.0	ND	23.0	115	74-121	
1,2-Dibromoethane (EDB)	20.0	ND	19.2	96	80-120	
1,2-Dichloroethane	20.0	ND	18.8	94	69-120	
1,2-Dichloropropane	20.0	ND	20.3	101	77-120	
2-Butanone (MEK)	250	ND	240	96	65-131	
2-Hexanone	250	ND	244	97	67-132	
4-Methyl-2-pentanone (MIBK)	250	ND	241	96	66-129	
Acetone	250	ND	238	95	58-141	
Benzene	20.0	ND	20.4	102	81-120	
Bromochloromethane	20.0	ND	19.4	97	76-126	
Bromodichloromethane	20.0	ND	18.8	94	73-120	
Bromoform	20.0	ND	16.1	81	64-125	
Bromomethane	20.0	ND	17.8	89	43-128	
Carbon disulfide	20.0	ND	19.5	97	75-132	
Carbon tetrachloride	20.0	ND	20.6	103	63-128	
Chlorobenzene	20.0	ND	19.9	100	80-120	
Chloroethane	20.0	ND	19.6	98	60-121	
Chloroform	20.0	ND	19.7	99	74-120	
Chloromethane	20.0	ND	16.5	83	49-126	
cis-1,2-Dichloroethene	20.0	ND	20.3	102	81-121	
cis-1,3-Dichloropropene	20.0	ND	17.7	88	71-120	
Dibromochloromethane	20.0	ND	18.2	91	74-120	
Ethylbenzene	20.0	ND	19.8	99	78-120	
Methyl tert-butyl ether	20.0	ND	19.5	98	75-120	
Methylene Chloride	20.0	ND	20.9	105	77-120	
Styrene	20.0	ND	19.3	97	78-120	
Tetrachloroethene	20.0	4.9	24.9	100	68-125	
Toluene	20.0	ND	20.7	103	79-120	
trans-1,2-Dichloroethene	20.0	ND	21.4	107	74-120	
trans-1,3-Dichloropropene	20.0	ND	18.0	90	72-120	
Trichloroethene	20.0	1.8	22.2	102	76-120	
Vinyl chloride	20.0	ND	18.7	93	52-120	
Xylenes, Total	60.0	ND	59.5	99	78-120	

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.: 410-190105-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 4C01X42.D

Lab ID: 410-190105-16 MSD Client ID: HD-MW-22-0/1-0MSD MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	20.0	19.6	98	0	30	75-120	
1,1,1-Trichloroethane	20.0	20.5	103	1	30	68-120	
1,1,2,2-Tetrachloroethane	20.0	20.2	101	3	30	71-122	
1,1,2-Trichloroethane	20.0	19.5	97	1	30	80-120	
1,1-Dichloroethane	20.0	21.0	105	3	30	74-120	
1,1-Dichloroethene	20.0	22.6	113	2	30	74-121	
1,2-Dibromoethane (EDB)	20.0	19.3	97	1	30	80-120	
1,2-Dichloroethane	20.0	18.8	94	0	30	69-120	
1,2-Dichloropropane	20.0	20.4	102	1	30	77-120	
2-Butanone (MEK)	250	237	95	1	30	65-131	
2-Hexanone	250	242	97	1	30	67-132	
4-Methyl-2-pentanone (MIBK)	250	236	94	2	30	66-129	
Acetone	250	252	101	6	30	58-141	
Benzene	20.0	20.3	102	0	30	81-120	
Bromochloromethane	20.0	19.0	95	2	30	76-126	
Bromodichloromethane	20.0	18.7	93	0	30	73-120	
Bromoform	20.0	16.0	80	1	30	64-125	
Bromomethane	20.0	17.6	88	1	30	43-128	
Carbon disulfide	20.0	18.7	94	4	30	75-132	
Carbon tetrachloride	20.0	20.1	100	3	30	63-128	
Chlorobenzene	20.0	20.1	101	1	30	80-120	
Chloroethane	20.0	19.0	95	3	30	60-121	
Chloroform	20.0	19.8	99	0	30	74-120	
Chloromethane	20.0	16.3	81	1	30	49-126	
cis-1,2-Dichloroethene	20.0	20.1	100	1	30	81-121	
cis-1,3-Dichloropropene	20.0	17.7	89	0	30	71-120	
Dibromochloromethane	20.0	18.0	90	1	30	74-120	
Ethylbenzene	20.0	19.8	99	0	30	78-120	
Methyl tert-butyl ether	20.0	19.1	95	2	30	75-120	
Methylene Chloride	20.0	20.8	104	1	30	77-120	
Styrene	20.0	19.5	97	1	30	78-120	
Tetrachloroethene	20.0	25.8	104	3	30	68-125	
Toluene	20.0	21.0	105	2	30	79-120	
trans-1,2-Dichloroethene	20.0	21.2	106	1	30	74-120	
trans-1,3-Dichloropropene	20.0	18.4	92	2	30	72-120	
Trichloroethene	20.0	22.0	101	1	30	76-120	
Vinyl chloride	20.0	18.1	90	3	30	52-120	
Xylenes, Total	60.0	59.1	99	1	30	78-120	

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.: 410-190105-1

SDG No.:

Lab File ID: 4C01X36.D Lab Sample ID: MB 410-558100/7

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

Instrument ID: 23297 Date Analyzed: 10/01/2024 22:58

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 410-558100/4	4C01X33.D	10/01/2024 21:51
	LCSD 410-558100/5	4C01X34.D	10/01/2024 22:13
HD-QC1-0/1-4	410-190105-8	4C01X38.D	10/02/2024 00:10
HD-QC1-0/1-2	410-190105-18	4C01X39.D	10/02/2024 00:33
HD-MW-22-0/1-0	410-190105-16	4C01X40.D	10/02/2024 00:55
HD-MW-22-0/1-0MS MS	410-190105-16 MS	4C01X41.D	10/02/2024 01:18
HD-MW-22-0/1-0MSD MSD	410-190105-16 MSD	4C01X42.D	10/02/2024 01:40
HD-MW-88-0/1-0	410-190105-1	4C01X43.D	10/02/2024 02:03
HD-MW-5-0/1-0	410-190105-2	4C01X44.D	10/02/2024 02:25
HD-MW-108D-0/1-0	410-190105-3	4C01X45.D	10/02/2024 02:48
HD-MW-166-0/1-0	410-190105-4	4C01X46.D	10/02/2024 03:10
HD-MW-167-0/1-0	410-190105-5	4C01X47.D	10/02/2024 03:33
HD-MW-168-0/1-0	410-190105-6	4C01X48.D	10/02/2024 03:55
HD-MW-6-0/1-0	410-190105-9	4C01X49.D	10/02/2024 04:18
HD-MW-101S-0/1-0	410-190105-10	4C01X50.D	10/02/2024 04:40
HD-MW-101D-0/1-0	410-190105-11	4C01X51.D	10/02/2024 05:03
HD-MW-108S-0/1-0	410-190105-12	4C01X52.D	10/02/2024 05:25
HD-MW-20S-0/1-0	410-190105-13	4C01X53.D	10/02/2024 05:48
HD-MW-20M-0/1-0	410-190105-14	4C01X54.D	10/02/2024 06:10
HD-MW-14-0/1-0	410-190105-15	4C01X55.D	10/02/2024 06:33
HD-MW-9-0/1-0	410-190105-19	4C01X56.D	10/02/2024 06:55

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1

SDG No.:

Lab File ID: WC03X09.D Lab Sample ID: MB 410-558854/10

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

Instrument ID: 9137 Date Analyzed: 10/03/2024 12:01

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 410-558854/5	WC03X04.D	10/03/2024 10:12
	LCSD 410-558854/6	WC03X05.D	10/03/2024 10:34
HD-QC1-0/1-3	410-190105-7	WC03X12.D	10/03/2024 13:07

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1

SDG No.:

Lab File ID: LC08X06.D Lab Sample ID: MB 410-560477/7

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

Instrument ID: 9915 Date Analyzed: 10/08/2024 10:00

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 410-560477/8	LC08X07.D	10/08/2024 11:13
HD-QC1-0/1-1	410-190105-17	LC08X26.D	10/08/2024 18:50

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1

SDG No.:

Lab File ID: 4S17T01.D BFB Injection Date: 09/17/2024

Instrument ID: 23297 BFB Injection Time: 14:17

Analysis Batch No.: 552275

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	50 - 200% of m/z 174	113.3
96	5 - 9% of m/z 95	6.8
173	Less than 2% of m/z 174	0.0
174	50 - 200% of m/z 95	88.3
175	5 - 9% of m/z 174	8.0
176	95 -105% of m/z 174	97.4
177	5 - 10% of m/z 176	6.5

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 410-552275/12	4S17X11.D	09/17/2024	16:08
	IC 410-552275/13	4S17X12.D	09/17/2024	16:31
	IC 410-552275/14	4S17X13.D	09/17/2024	16:53
	IC 410-552275/15	4S17X14.D	09/17/2024	17:16
	ICIS 410-552275/16	4S17X15.D	09/17/2024	17:38
	IC 410-552275/17	4S17X16.D	09/17/2024	18:01
	IC 410-552275/18	4S17X17.D	09/17/2024	18:24
	ICV 410-552275/20	4S17X19.D	09/17/2024	19:08

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1

SDG No.:

Lab File ID: 4C01T31.D BFB Injection Date: 10/01/2024

Instrument ID: 23297 BFB Injection Time: 20:51

Analysis Batch No.: 558100

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	50 - 200% of m/z 174	113.7
96	5 - 9% of m/z 95	6.7
173	Less than 2% of m/z 174	0.0
174	50 - 200% of m/z 95	87.9
175	5 - 9% of m/z 174	7.7
176	95 -105% of m/z 174	96.6
177	5 - 10% of m/z 176	6.9

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 410-558100/3	4C01X32.D	10/01/2024	21:28
	LCS 410-558100/4	4C01X33.D	10/01/2024	21:51
	LCSD 410-558100/5	4C01X34.D	10/01/2024	22:13
	MB 410-558100/7	4C01X36.D	10/01/2024	22:58
HD-QC1-0/1-4	410-190105-8	4C01X38.D	10/02/2024	0:10
HD-QC1-0/1-2	410-190105-18	4C01X39.D	10/02/2024	0:33
HD-MW-22-0/1-0	410-190105-16	4C01X40.D	10/02/2024	0:55
HD-MW-22-0/1-0MS MS	410-190105-16 MS	4C01X41.D	10/02/2024	1:18
HD-MW-22-0/1-0MSD MSD	410-190105-16 MSD	4C01X42.D	10/02/2024	1:40
HD-MW-88-0/1-0	410-190105-1	4C01X43.D	10/02/2024	2:03
HD-MW-5-0/1-0	410-190105-2	4C01X44.D	10/02/2024	2:25
HD-MW-108D-0/1-0	410-190105-3	4C01X45.D	10/02/2024	2:48
HD-MW-166-0/1-0	410-190105-4	4C01X46.D	10/02/2024	3:10
HD-MW-167-0/1-0	410-190105-5	4C01X47.D	10/02/2024	3:33
HD-MW-168-0/1-0	410-190105-6	4C01X48.D	10/02/2024	3:55
HD-MW-6-0/1-0	410-190105-9	4C01X49.D	10/02/2024	4:18
HD-MW-101S-0/1-0	410-190105-10	4C01X50.D	10/02/2024	4:40
HD-MW-101D-0/1-0	410-190105-11	4C01X51.D	10/02/2024	5:03
HD-MW-108S-0/1-0	410-190105-12	4C01X52.D	10/02/2024	5:25
HD-MW-20S-0/1-0	410-190105-13	4C01X53.D	10/02/2024	5:48
HD-MW-20M-0/1-0	410-190105-14	4C01X54.D	10/02/2024	6:10
HD-MW-14-0/1-0	410-190105-15	4C01X55.D	10/02/2024	6:33
HD-MW-9-0/1-0	410-190105-19	4C01X56.D	10/02/2024	6:55

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1

SDG No.:

Lab File ID: WS30T04.D BFB Injection Date: 09/30/2024

Instrument ID: 9137 BFB Injection Time: 18:32

Analysis Batch No.: 557456

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	44.4	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.6	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	Greater than 50% of mass 95	79.1	
175	5.0 - 9.0 % of mass 174	5.7	(7.2) 1
176	95.0 - 101.0 % of mass 174	77.2	(97.5) 1
177	5.0 - 9.0 % of mass 176	5.0	(6.4) 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 410-557456/3	WS30X02.D	09/30/2024	19:14
	IC 410-557456/4	WS30X03.D	09/30/2024	19:35
	IC 410-557456/5	WS30X04.D	09/30/2024	19:57
	IC 410-557456/6	WS30X05.D	09/30/2024	20:19
	IC 410-557456/7	WS30X06.D	09/30/2024	20:41
	IC 410-557456/8	WS30X07.D	09/30/2024	21:03
	IC 410-557456/12	WS30X11.D	09/30/2024	22:30
	IC 410-557456/13	WS30X12.D	09/30/2024	22:52
	IC 410-557456/14	WS30X13.D	09/30/2024	23:13
	IC 410-557456/15	WS30X14.D	09/30/2024	23:35
	ICIS 410-557456/16	WS30X15.D	09/30/2024	23:57
	IC 410-557456/17	WS30X16.D	10/01/2024	0:19
	IC 410-557456/18	WS30X17.D	10/01/2024	0:40
	ICV 410-557456/20	WS30X19.D	10/01/2024	1:24

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1

SDG No.:

Lab File ID: WC03T01.D BFB Injection Date: 10/03/2024

Instrument ID: 9137 BFB Injection Time: 08:50

Analysis Batch No.: 558854

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	15.8	
75	30.0 - 60.0 % of mass 95	45.7	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.4	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	Greater than 50% of mass 95	79.6	
175	5.0 - 9.0 % of mass 174	5.6	(7.1) 1
176	95.0 - 101.0 % of mass 174	76.8	(96.5) 1
177	5.0 - 9.0 % of mass 176	4.8	(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 410-558854/3	WC03X02.D	10/03/2024	9:28
	LCS 410-558854/5	WC03X04.D	10/03/2024	10:12
	LCSD 410-558854/6	WC03X05.D	10/03/2024	10:34
	MB 410-558854/10	WC03X09.D	10/03/2024	12:01
HD-QC1-0/1-3	410-190105-7	WC03X12.D	10/03/2024	13:07

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1

SDG No.:

Lab File ID: LL15T01.D BFB Injection Date: 07/15/2024

Instrument ID: 9915 BFB Injection Time: 13:34

Analysis Batch No.: 528230

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	45.6	
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	0.6	(0.7) 1
174	Greater than 50% of mass 95	79.1	
175	5.0 - 9.0 % of mass 174	5.6	(7.1) 1
176	95.0 - 101.0 % of mass 174	75.6	(95.6) 1
177	5.0 - 9.0 % of mass 176	4.9	(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
	IC 410-528230/3	LL15X02.D	07/15/2024	14:18
	IC 410-528230/4	LL15X03.D	07/15/2024	14:41
	IC 410-528230/5	LL15X04.D	07/15/2024	15:03
	IC 410-528230/6	LL15X05.D	07/15/2024	15:26
	IC 410-528230/7	LL15X06.D	07/15/2024	15:48
	IC 410-528230/8	LL15X07.D	07/15/2024	16:11
	IC 410-528230/12	LL15X11.D	07/15/2024	17:41
	IC 410-528230/13	LL15X12.D	07/15/2024	18:04
	IC 410-528230/14	LL15X13.D	07/15/2024	18:26
	IC 410-528230/15	LL15X14.D	07/15/2024	18:49
	ICIS 410-528230/16	LL15X15.D	07/15/2024	19:11
	IC 410-528230/17	LL15X16.D	07/15/2024	19:34
	IC 410-528230/18	LL15X17.D	07/15/2024	19:57
	ICV 410-528230/20	LL15X19.D	07/15/2024	20:42

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1

SDG No.:

Lab File ID: LC08T01.D BFB Injection Date: 10/08/2024

Instrument ID: 9915 BFB Injection Time: 07:32

Analysis Batch No.: 560477

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	17.1	
75	30.0 - 60.0 % of mass 95	46.3	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.5	
173	Less than 2.0 % of mass 174	0.7	(0.8) 1
174	Greater than 50% of mass 95	84.1	
175	5.0 - 9.0 % of mass 174	6.1	(7.3) 1
176	95.0 - 101.0 % of mass 174	80.1	(95.2) 1
177	5.0 - 9.0 % of mass 176	5.4	(6.8) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 410-560477/3	LC08X02.D	10/08/2024	8:30
	MB 410-560477/7	LC08X06.D	10/08/2024	10:00
	LCS 410-560477/8	LC08X07.D	10/08/2024	11:13
HD-QC1-0/1-1	410-190105-17	LC08X26.D	10/08/2024	18:50

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1

SDG No.:

Sample No.: ICIS 410-552275/16 Date Analyzed: 09/17/2024 17:38

Instrument ID: 23297 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): 4S17X15.D Heated Purge: (Y/N) N

Calibration ID: 65832

		TBAd10		FB		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		281156	3.84	692719	7.31	551305	10.90
UPPER LIMIT		562312	4.34	1385438	7.81	1102610	11.40
LOWER LIMIT		140578	3.34	346360	6.81	275653	10.40
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-552275/20		301068	3.84	689906	7.31	542184	10.90
CCVIS 410-558100/3		255900	3.86	617782	7.31	470487	10.90

TBAd10 = t-Butyl alcohol-d10 (IS)
FB = Fluorobenzene (IS)
CBZd5 = Chlorobenzene-d5 (IS)

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

Column used to flag values outside QC limits

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1

SDG No.:

Sample No.: ICIS 410-552275/16 Date Analyzed: 09/17/2024 17:38

Instrument ID: 23297 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): 4S17X15.D Heated Purge: (Y/N) N

Calibration ID: 65832

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
INITIAL CALIBRATION MID-POINT		347176	12.82				
UPPER LIMIT		694352	13.32				
LOWER LIMIT		173588	12.32				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-552275/20		341312	12.82				
CCVIS 410-558100/3		278439	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.: 410-190105-1

SDG No.:

Sample No.: CCVIS 410-558100/3 Date Analyzed: 10/01/2024 21:28

Instrument ID: 23297 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): 4C01X32.D Heated Purge: (Y/N) N

Calibration ID: 65832

		TBAd10		FB		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		255900	3.86	617782	7.31	470487	10.90
UPPER LIMIT		511800	4.36	1235564	7.81	940974	11.40
LOWER LIMIT		127950	3.36	308891	6.81	235244	10.40
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-558100/4		249836	3.86	602756	7.31	462489	10.90
LCSD 410-558100/5		267740	3.86	611731	7.32	470368	10.91
MB 410-558100/7		259149	3.85	588009	7.31	429222	10.90
410-190105-8	HD-QC1-0/1-4	249124	3.85	597217	7.31	447675	10.90
410-190105-18	HD-QC1-0/1-2	237548	3.83	597383	7.31	442438	10.90
410-190105-16	HD-MW-22-0/1-0	238608	3.84	579161	7.31	425020	10.90
410-190105-16 MS	HD-MW-22-0/1-0MS MS	266512	3.84	587894	7.31	450517	10.90
410-190105-16 MSD	HD-MW-22-0/1-0MSD MSD	250058	3.84	597986	7.31	454821	10.91
410-190105-1	HD-MW-88-0/1-0	257593	3.86	600765	7.31	449089	10.90
410-190105-2	HD-MW-5-0/1-0	247940	3.84	588846	7.31	434043	10.90
410-190105-3	HD-MW-108D-0/1-0	250276	3.84	588160	7.31	438440	10.90
410-190105-4	HD-MW-166-0/1-0	242813	3.85	591082	7.31	438823	10.91
410-190105-5	HD-MW-167-0/1-0	256987	3.84	593024	7.31	444039	10.90
410-190105-6	HD-MW-168-0/1-0	243847	3.85	591621	7.31	439649	10.91
410-190105-9	HD-MW-6-0/1-0	250401	3.84	590126	7.31	443101	10.90
410-190105-10	HD-MW-101S-0/1-0	240574	3.85	580749	7.31	429532	10.90
410-190105-11	HD-MW-101D-0/1-0	238746	3.83	587390	7.31	438391	10.90
410-190105-12	HD-MW-108S-0/1-0	229917	3.85	581490	7.32	429980	10.91
410-190105-13	HD-MW-20S-0/1-0	233709	3.85	581917	7.31	425677	10.90
410-190105-14	HD-MW-20M-0/1-0	225977	3.84	583229	7.31	431753	10.91
410-190105-15	HD-MW-14-0/1-0	246785	3.85	585166	7.31	440135	10.90
410-190105-19	HD-MW-9-0/1-0	244132	3.85	591969	7.32	438173	10.90

TBAd10 = t-Butyl alcohol-d10 (IS)
FB = Fluorobenzene (IS)
CBZd5 = Chlorobenzene-d5 (IS)

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

Column used to flag values outside QC limits

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1

SDG No.:

Sample No.: CCVIS 410-558100/3 Date Analyzed: 10/01/2024 21:28

Instrument ID: 23297 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): 4C01X32.D Heated Purge: (Y/N) N

Calibration ID: 65832

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
12/24 HOUR STD		278439	12.82				
UPPER LIMIT		556878	13.32				
LOWER LIMIT		139220	12.32				
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-558100/4		284483	12.82				
LCSD 410-558100/5		282326	12.82				
MB 410-558100/7		260668	12.82				
410-190105-8	HD-QC1-0/1-4	270620	12.82				
410-190105-18	HD-QC1-0/1-2	264294	12.82				
410-190105-16	HD-MW-22-0/1-0	262409	12.82				
410-190105-16 MS	HD-MW-22-0/1-0MS MS	274222	12.82				
410-190105-16 MSD	HD-MW-22-0/1-0MSD MSD	269623	12.82				
410-190105-1	HD-MW-88-0/1-0	269842	12.82				
410-190105-2	HD-MW-5-0/1-0	263757	12.82				
410-190105-3	HD-MW-108D-0/1-0	268574	12.82				
410-190105-4	HD-MW-166-0/1-0	260373	12.82				
410-190105-5	HD-MW-167-0/1-0	271338	12.82				
410-190105-6	HD-MW-168-0/1-0	269042	12.82				
410-190105-9	HD-MW-6-0/1-0	266653	12.82				
410-190105-10	HD-MW-101S-0/1-0	258243	12.82				
410-190105-11	HD-MW-101D-0/1-0	268215	12.82				
410-190105-12	HD-MW-108S-0/1-0	261056	12.82				
410-190105-13	HD-MW-20S-0/1-0	258319	12.82				
410-190105-14	HD-MW-20M-0/1-0	261532	12.82				
410-190105-15	HD-MW-14-0/1-0	263186	12.82				
410-190105-19	HD-MW-9-0/1-0	269324	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.: 410-190105-1

SDG No.:

Sample No.: ICIS 410-557456/16 Date Analyzed: 09/30/2024 23:57

Instrument ID: 9137 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): WS30X15.D Heated Purge: (Y/N) N

Calibration ID: 66268

		TBAd10		FB		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		331685	4.42	1027456	7.89	784435	11.33
UPPER LIMIT		663370	4.92	2054912	8.39	1568870	11.83
LOWER LIMIT		165843	3.92	513728	7.39	392218	10.83
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-557456/20		354643	4.40	1034493	7.89	777662	11.33
CCVIS 410-558854/3		263795	4.43	946015	7.90	715484	11.33

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.: 410-190105-1

SDG No.:

Sample No.: ICIS 410-557456/16 Date Analyzed: 09/30/2024 23:57

Instrument ID: 9137 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): WS30X15.D Heated Purge: (Y/N) N

Calibration ID: 66268

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
INITIAL CALIBRATION MID-POINT		437516	13.19				
UPPER LIMIT		875032	13.69				
LOWER LIMIT		218758	12.69				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-557456/20		447689	13.20				
CCVIS 410-558854/3		387257	13.20				

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.: 410-190105-1

SDG No.:

Sample No.: CCVIS 410-558854/3 Date Analyzed: 10/03/2024 09:28

Instrument ID: 9137 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): WC03X02.D Heated Purge: (Y/N) N

Calibration ID: 66268

		TBAd10		FB		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		263795	4.43	946015	7.90	715484	11.33
UPPER LIMIT		527590	4.93	1892030	8.40	1430968	11.83
LOWER LIMIT		131898	3.93	473008	7.40	357742	10.83
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-558854/5		373944	4.46	957971	7.89	703955	11.33
LCSD 410-558854/6		296451	4.40	936804	7.89	707089	11.32
MB 410-558854/10		262266	4.41	871367	7.89	656856	11.32
410-190105-7	HD-QC1-0/1-3	256983	4.42	832406	7.89	628454	11.33

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.: 410-190105-1

SDG No.:

Sample No.: CCVIS 410-558854/3 Date Analyzed: 10/03/2024 09:28

Instrument ID: 9137 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): WC03X02.D Heated Purge: (Y/N) N

Calibration ID: 66268

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
12/24 HOUR STD		387257	13.20				
UPPER LIMIT		774514	13.70				
LOWER LIMIT		193629	12.70				
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-558854/5		397091	13.20				
LCSD 410-558854/6		389526	13.19				
MB 410-558854/10		368754	13.20				
410-190105-7	HD-QC1-0/1-3	357225	13.20				

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.: 410-190105-1

SDG No.:

Sample No.: ICIS 410-528230/16 Date Analyzed: 07/15/2024 19:11

Instrument ID: 9915 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): LL15X15.D Heated Purge: (Y/N) N

Calibration ID: 63834

		TBAd10		FB		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		295545	4.18	1137735	7.63	856741	11.13
UPPER LIMIT		591090	4.68	2275470	8.13	1713482	11.63
LOWER LIMIT		147773	3.68	568868	7.13	428371	10.63
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-528230/20		296030	4.18	1117529	7.63	869137	11.13
CCVIS 410-560477/3		266548	4.13	1131873	7.62	855947	11.12

TBAd10 = t-Butyl alcohol-d10 (IS)
FB = Fluorobenzene (IS)
CBZd5 = Chlorobenzene-d5 (IS)

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

Column used to flag values outside QC limits

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1

SDG No.:

Sample No.: ICIS 410-528230/16 Date Analyzed: 07/15/2024 19:11

Instrument ID: 9915 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): LL15X15.D Heated Purge: (Y/N) N

Calibration ID: 63834

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
INITIAL CALIBRATION MID-POINT		487038	13.01				
UPPER LIMIT		974076	13.51				
LOWER LIMIT		243519	12.51				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-528230/20		500986	13.01				
CCVIS 410-560477/3		486670	13.01				

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.: 410-190105-1

SDG No.:

Sample No.: CCVIS 410-560477/3 Date Analyzed: 10/08/2024 08:30

Instrument ID: 9915 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): LC08X02.D Heated Purge: (Y/N) N

Calibration ID: 63834

		TBAd10		FB		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		266548	4.13	1131873	7.62	855947	11.12
UPPER LIMIT		533096	4.63	2263746	8.12	1711894	11.62
LOWER LIMIT		133274	3.63	565937	7.12	427974	10.62
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 410-560477/7		238369	4.14	1037564	7.62	731428	11.13
LCS 410-560477/8		303476	4.12	1216648	7.62	898188	11.13
410-190105-17	HD-QC1-0/1-1	243302	4.13	1136110	7.62	793250	11.13

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.: 410-190105-1

SDG No.:

Sample No.: CCVIS 410-560477/3 Date Analyzed: 10/08/2024 08:30

Instrument ID: 9915 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): LC08X02.D Heated Purge: (Y/N) N

Calibration ID: 63834

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
12/24 HOUR STD		486670	13.01				
UPPER LIMIT		973340	13.51				
LOWER LIMIT		243335	12.51				
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 410-560477/7		428783	13.01				
LCS 410-560477/8		497242	13.01				
410-190105-17	HD-QC1-0/1-1	448216	13.01				

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.: 410-190105-1

SDG No.:

Client Sample ID: HD-MW-88-0/1-0
Lab Sample ID: 410-190105-1

Matrix: Water
Lab File ID: 4C01X43.D

Analysis Method: 8260D
Date Collected: 09/25/2024 13:35

Sample wt/vol: 5(mL)
Date Analyzed: 10/02/2024 02:03

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 558100
Units: ug/L

Preparation Batch No.:
Instrument ID: 23297

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.30
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.30
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.30
75-34-3	1,1-Dichloroethane	ND		1.0	0.30
75-35-4	1,1-Dichloroethene	ND		1.0	0.30
106-93-4	1,2-Dibromoethane (EDB)	ND		1.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.30
78-87-5	1,2-Dichloropropane	ND		1.0	0.30
78-93-3	2-Butanone (MEK)	ND		10	0.50
591-78-6	2-Hexanone	ND		10	0.85
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	0.50
67-64-1	Acetone	ND		20	0.70
71-43-2	Benzene	ND		1.0	0.30
74-97-5	Bromochloromethane	ND		5.0	0.20
75-27-4	Bromodichloromethane	ND		1.0	0.20
75-25-2	Bromoform	ND		4.0	1.0
74-83-9	Bromomethane	ND		1.0	0.30
75-15-0	Carbon disulfide	ND		5.0	0.30
56-23-5	Carbon tetrachloride	ND		1.0	0.30
108-90-7	Chlorobenzene	ND		1.0	0.30
75-00-3	Chloroethane	ND		1.0	0.30
67-66-3	Chloroform	ND		1.0	0.30
74-87-3	Chloromethane	ND		2.0	0.55
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.20
124-48-1	Dibromochloromethane	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.40
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.20
75-09-2	Methylene Chloride	ND		1.0	0.30
100-42-5	Styrene	ND		5.0	0.30
127-18-4	Tetrachloroethene	1.6		1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-190105-1

SDG No.:

Client Sample ID: HD-MW-88-0/1-0
Lab Sample ID: 410-190105-1

Matrix: Water
Lab File ID: 4C01X43.D

Analysis Method: 8260D
Date Collected: 09/25/2024 13:35

Sample wt/vol: 5(mL)
Date Analyzed: 10/02/2024 02:03

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 558100
Units: ug/L

Preparation Batch No.:
Instrument ID: 23297

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		1.0	0.30
156-60-5	trans-1,2-Dichloroethene	ND		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.20
79-01-6	Trichloroethene	ND		1.0	0.30
75-01-4	Vinyl chloride	ND		1.0	0.30
1330-20-7	Xylenes, Total	ND		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		80-120
460-00-4	4-Bromofluorobenzene (Surr)	97		80-120
1868-53-7	Dibromofluoromethane (Surr)	99		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\23297\20241001-126519.b\4C01X43.D
Lims ID: 410-190105-A-1
Client ID: HD-MW-88-0/1-0
Sample Type: Client
Inject. Date: 02-Oct-2024 02:03:30 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0126519-014
Operator ID: AGD105956 Instrument ID: 23297

Method: \\chromfs\Lancaster\ChromData\23297\20241001-126519.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 02-Oct-2024 01:07:57 Calib Date: 17-Sep-2024 18:24:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20240917-125144.b\4S17X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1678

First Level Reviewer: FQ4L Date: 02-Oct-2024 14:20:07

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
4 Chloromethane	50		1.958				ND	
5 Vinyl chloride	62		2.062				ND	
8 Bromomethane	94		2.372				ND	7
9 Chloroethane	64		2.445				ND	
18 1,1-Dichloroethene	96		3.218				ND	
17 Acetone	58		3.224				ND	
22 Carbon disulfide	76		3.504				ND	
27 Methylene Chloride	84		3.820				ND	
* 28 t-Butyl alcohol-d10 (IS)	65	3.857	3.856	0.001	94	257593	250.0	
31 Methyl tert-butyl ether	73		4.179				ND	
32 trans-1,2-Dichloroethene	96		4.179				ND	
36 1,1-Dichloroethane	63		4.842				ND	
40 2-Butanone (MEK)	43		5.663				ND	
41 cis-1,2-Dichloroethene	96		5.688				ND	
47 Chlorobromomethane	128		6.022				ND	
50 Chloroform	83		6.180				ND	
$ 51 Dibromofluoromethane (Surr)	113	6.412	6.405	0.007	94	157287	49.6	
52 1,1,1-Trichloroethane	97		6.412				ND	
54 Carbon tetrachloride	117		6.631				ND	
$ 57 1,2-Dichloroethane-d4 (Surr)	102	6.868	6.862	0.006	99	38184	50.7	
58 Benzene	78		6.898				ND	
59 1,2-Dichloroethane	62		6.971				ND	
* 62 Fluorobenzene (IS)	96	7.312	7.312	0.000	99	600765	50.0	
65 Trichloroethene	95	7.805	7.799	0.006	79	717	0.2141	
69 1,2-Dichloropropane	63		8.127				ND	
75 Dichlorobromomethane	83		8.486				ND	
78 cis-1,3-Dichloropropene	75		9.052				ND	
79 4-Methyl-2-pentanone (MIBK)	43		9.240				ND	7
$ 80 Toluene-d8 (Surr)	98	9.387	9.380	0.007	93	592242	51.3	
81 Toluene	92		9.466				ND	
82 trans-1,3-Dichloropropene	75		9.739				ND	
101 1,1,2-Trichloroethane	97		9.952				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
117 Tetrachloroethene	166	10.044	10.043	0.001	95	5864	1.65	
123 2-Hexanone	43		10.183				ND	
126 Chlorodibromomethane	129		10.342				ND	
127 Ethylene Dibromide	107		10.451				ND	
* 129 Chlorobenzene-d5 (IS)	117	10.901	10.901	0.000	84	449089	50.0	
131 Chlorobenzene	112		10.932				ND	
132 1,1,1,2-Tetrachloroethane	131		11.017				ND	
133 Ethylbenzene	91		11.023				ND	
134 m-Xylene & p-Xylene	106		11.145				ND	
S 135 Xylenes, Total	106		11.245				ND	7
136 o-Xylene	106		11.479				ND	
138 Styrene	104		11.491				ND	
139 Bromoform	173		11.650				ND	
$ 143 4-Bromofluorobenzene (Surr)	95	11.929	11.929	0.000	93	210919	48.4	
144 1,1,2,2-Tetrachloroethane	83		12.033				ND	
* 160 1,4-Dichlorobenzene-d4	152	12.818	12.818	0.000	94	269842	50.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

MSV_HP04_ISSS_00003 Amount Added: 1.00 Units: uL Run Reagent

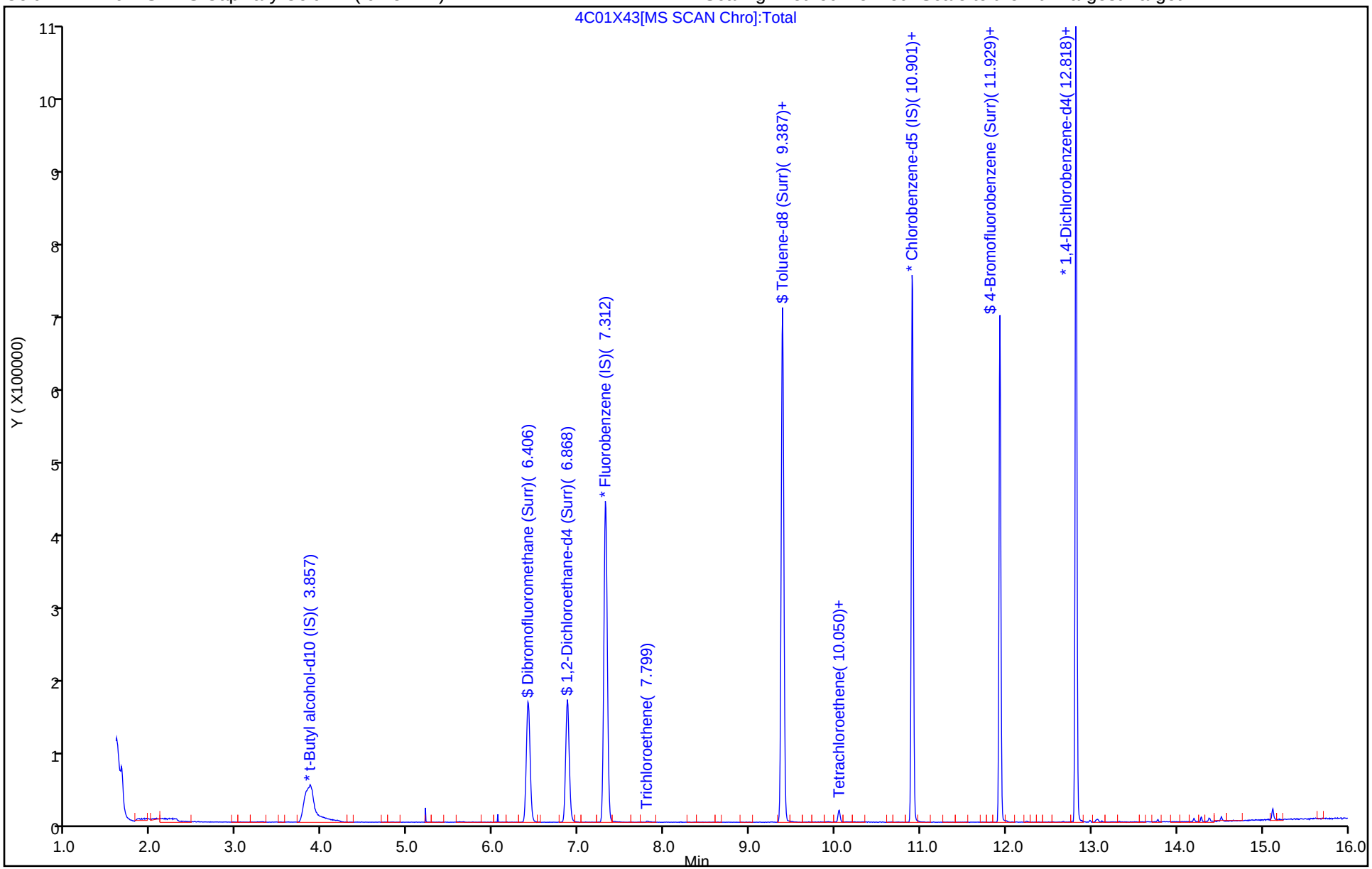
Report Date: 02-Oct-2024 14:20:07 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20241001-126519.b\4C01X43.D

Injection Date:	02-Oct-2024 02:03:30	Instrument ID:	23297	Operator ID:	AGD105956
Lims ID:	410-190105-A-1	Lab Sample ID:	410-190105-1	Worklist Smp#:	14
Client ID:	HD-MW-88-0/1-0				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	MSVoa_23297	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\23297\20241001-126519.b\4C01X43.D				
Lims ID:	410-190105-A-1				
Client ID:	HD-MW-88-0/1-0				
Sample Type:	Client				
Inject. Date:	02-Oct-2024 02:03:30	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0126519-014				
Operator ID:	AGD105956	Instrument ID:	23297		
Method:	\\chromfs\Lancaster\ChromData\23297\20241001-126519.b\MSVoa_23297.m				
Limit Group:	MSV - 8260C_D				
Last Update:	02-Oct-2024 01:07:57	Calib Date:	17-Sep-2024 18:24:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\23297\20240917-125144.b\4S17X17.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1678				

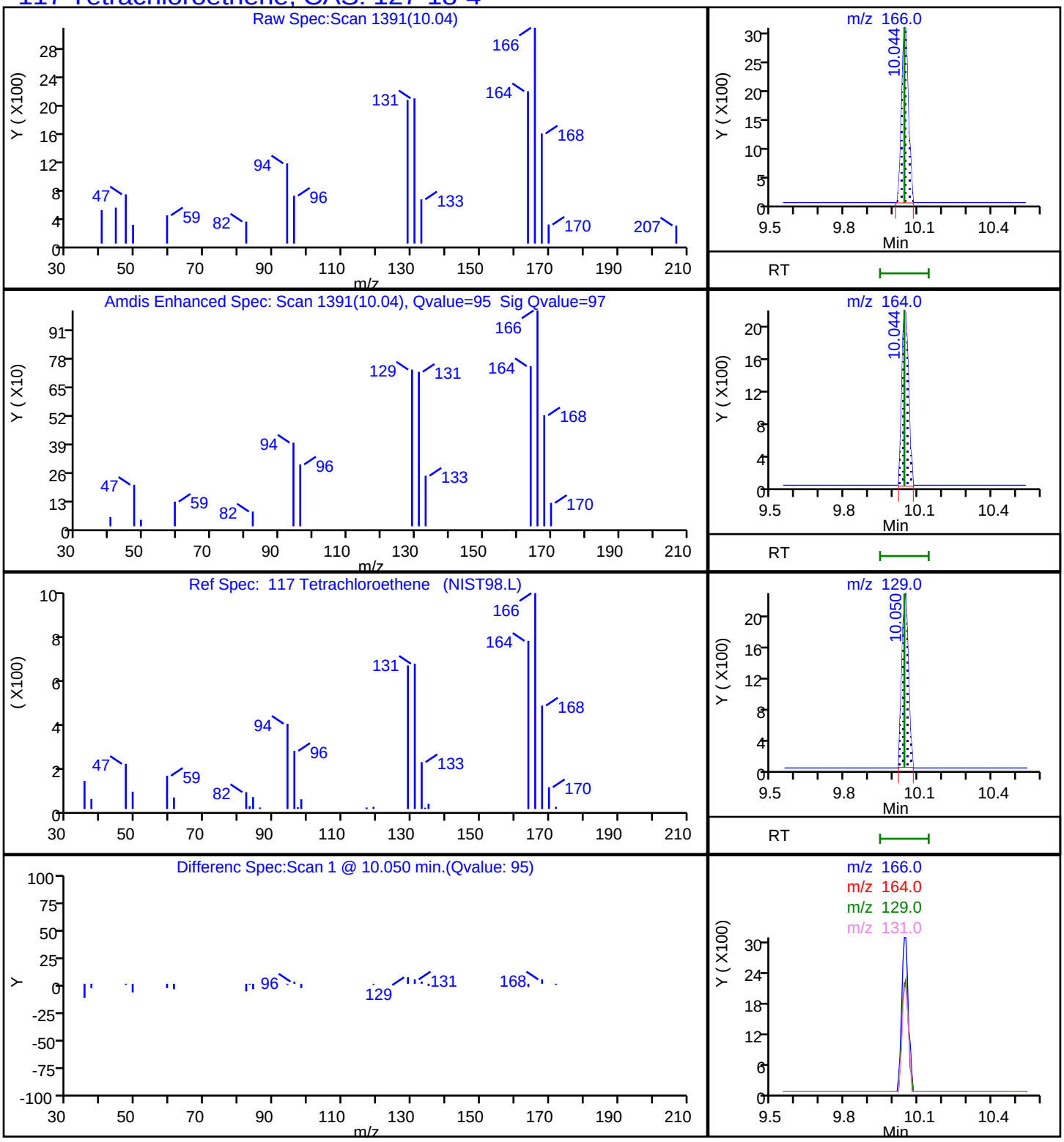
First Level Reviewer: FQ4L Date: 02-Oct-2024 14:20:07

Compound	Amount Added	Amount Recovered	% Rec.
$ 51 Dibromofluoromethane (Surr)	50.0	49.6	99.15
$ 57 1,2-Dichloroethane-d4 (Surr)	50.0	50.7	101.38
$ 80 Toluene-d8 (Surr)	50.0	51.3	102.70
$ 143 4-Bromofluorobenzene (Surr)	50.0	48.4	96.72

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\23297\20241001-126519.b\4C01X43.D				
Injection Date:	02-Oct-2024 02:03:30	Instrument ID:	23297		
Lims ID:	410-190105-A-1	Lab Sample ID:	410-190105-1		
Client ID:	HD-MW-88-0/1-0				
Operator ID:	AGD105956	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

117 Tetrachloroethene, CAS: 127-18-4



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-190105-1

SDG No.:

Client Sample ID: HD-MW-5-0/1-0
Lab Sample ID: 410-190105-2

Matrix: Water
Lab File ID: 4C01X44.D

Analysis Method: 8260D
Date Collected: 09/25/2024 14:36

Sample wt/vol: 5(mL)
Date Analyzed: 10/02/2024 02:25

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 558100
Units: ug/L

Preparation Batch No.:
Instrument ID: 23297

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.30
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.30
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.30
75-34-3	1,1-Dichloroethane	ND		1.0	0.30
75-35-4	1,1-Dichloroethene	ND		1.0	0.30
106-93-4	1,2-Dibromoethane (EDB)	ND		1.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.30
78-87-5	1,2-Dichloropropane	ND		1.0	0.30
78-93-3	2-Butanone (MEK)	ND		10	0.50
591-78-6	2-Hexanone	ND		10	0.85
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	0.50
67-64-1	Acetone	ND		20	0.70
71-43-2	Benzene	ND		1.0	0.30
74-97-5	Bromochloromethane	ND		5.0	0.20
75-27-4	Bromodichloromethane	ND		1.0	0.20
75-25-2	Bromoform	ND		4.0	1.0
74-83-9	Bromomethane	ND		1.0	0.30
75-15-0	Carbon disulfide	ND		5.0	0.30
56-23-5	Carbon tetrachloride	ND		1.0	0.30
108-90-7	Chlorobenzene	ND		1.0	0.30
75-00-3	Chloroethane	ND		1.0	0.30
67-66-3	Chloroform	ND		1.0	0.30
74-87-3	Chloromethane	ND		2.0	0.55
156-59-2	cis-1,2-Dichloroethene	3.7		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.20
124-48-1	Dibromochloromethane	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.40
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.20
75-09-2	Methylene Chloride	ND		1.0	0.30
100-42-5	Styrene	ND		5.0	0.30
127-18-4	Tetrachloroethene	ND		1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-190105-1

SDG No.:

Client Sample ID: HD-MW-5-0/1-0
Lab Sample ID: 410-190105-2

Matrix: Water
Lab File ID: 4C01X44.D

Analysis Method: 8260D
Date Collected: 09/25/2024 14:36

Sample wt/vol: 5(mL)
Date Analyzed: 10/02/2024 02:25

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 558100
Units: ug/L

Preparation Batch No.:
Instrument ID: 23297

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		1.0	0.30
156-60-5	trans-1,2-Dichloroethene	ND		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.20
79-01-6	Trichloroethene	ND		1.0	0.30
75-01-4	Vinyl chloride	ND		1.0	0.30
1330-20-7	Xylenes, Total	ND		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		80-120
460-00-4	4-Bromofluorobenzene (Surr)	96		80-120
1868-53-7	Dibromofluoromethane (Surr)	98		80-120
2037-26-5	Toluene-d8 (Surr)	102		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\23297\20241001-126519.b\4C01X44.D
Lims ID: 410-190105-A-2
Client ID: HD-MW-5-0/1-0
Sample Type: Client
Inject. Date: 02-Oct-2024 02:25:30 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0126519-015
Operator ID: AGD105956 Instrument ID: 23297

Method: \\chromfs\Lancaster\ChromData\23297\20241001-126519.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 02-Oct-2024 01:07:57 Calib Date: 17-Sep-2024 18:24:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20240917-125144.b\4S17X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1678

First Level Reviewer: FQ4L Date: 02-Oct-2024 14:20:34

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
4 Chloromethane	50		1.958				ND	
5 Vinyl chloride	62		2.062				ND	
8 Bromomethane	94		2.372				ND	
9 Chloroethane	64		2.445				ND	
18 1,1-Dichloroethene	96		3.218				ND	
17 Acetone	58		3.224				ND	
22 Carbon disulfide	76		3.504				ND	
27 Methylene Chloride	84		3.820				ND	
* 28 t-Butyl alcohol-d10 (IS)	65	3.838	3.856	-0.018	94	247940	250.0	
31 Methyl tert-butyl ether	73		4.179				ND	
32 trans-1,2-Dichloroethene	96		4.179				ND	
36 1,1-Dichloroethane	63		4.842				ND	
40 2-Butanone (MEK)	43		5.663				ND	
41 cis-1,2-Dichloroethene	96	5.688	5.688	0.000	76	13099	3.69	
47 Chlorobromomethane	128		6.022				ND	
50 Chloroform	83		6.180				ND	
$ 51 Dibromofluoromethane (Surr)	113	6.399	6.405	-0.006	93	152784	49.1	
52 1,1,1-Trichloroethane	97		6.412				ND	
54 Carbon tetrachloride	117		6.631				ND	
$ 57 1,2-Dichloroethane-d4 (Surr)	102	6.862	6.862	0.000	99	35660	48.3	
58 Benzene	78		6.898				ND	
59 1,2-Dichloroethane	62		6.971				ND	
* 62 Fluorobenzene (IS)	96	7.312	7.312	0.000	99	588846	50.0	
65 Trichloroethene	95	7.805	7.799	0.006	77	870	0.2650	
69 1,2-Dichloropropane	63		8.127				ND	
75 Dichlorobromomethane	83		8.486				ND	
78 cis-1,3-Dichloropropene	75		9.052				ND	
79 4-Methyl-2-pentanone (MIBK)	43		9.240				ND	
$ 80 Toluene-d8 (Surr)	98	9.386	9.380	0.006	93	568869	51.0	
81 Toluene	92		9.466				ND	
82 trans-1,3-Dichloropropene	75		9.739				ND	
101 1,1,2-Trichloroethane	97		9.952				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
117 Tetrachloroethene	166		10.043				ND	
123 2-Hexanone	43		10.183				ND	
126 Chlorodibromomethane	129		10.342				ND	
127 Ethylene Dibromide	107		10.451				ND	
* 129 Chlorobenzene-d5 (IS)	117	10.901	10.901	0.000	84	434043	50.0	
131 Chlorobenzene	112		10.932				ND	
132 1,1,1,2-Tetrachloroethane	131		11.017				ND	
133 Ethylbenzene	91		11.023				ND	
134 m-Xylene & p-Xylene	106		11.145				ND	
S 135 Xylenes, Total	106		11.245				ND	7
136 o-Xylene	106		11.479				ND	
138 Styrene	104		11.491				ND	
139 Bromoform	173		11.650				ND	
$ 143 4-Bromofluorobenzene (Surr)	95	11.929	11.929	0.000	93	201788	47.9	
144 1,1,2,2-Tetrachloroethane	83		12.033				ND	
* 160 1,4-Dichlorobenzene-d4	152	12.817	12.818	-0.001	93	263757	50.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

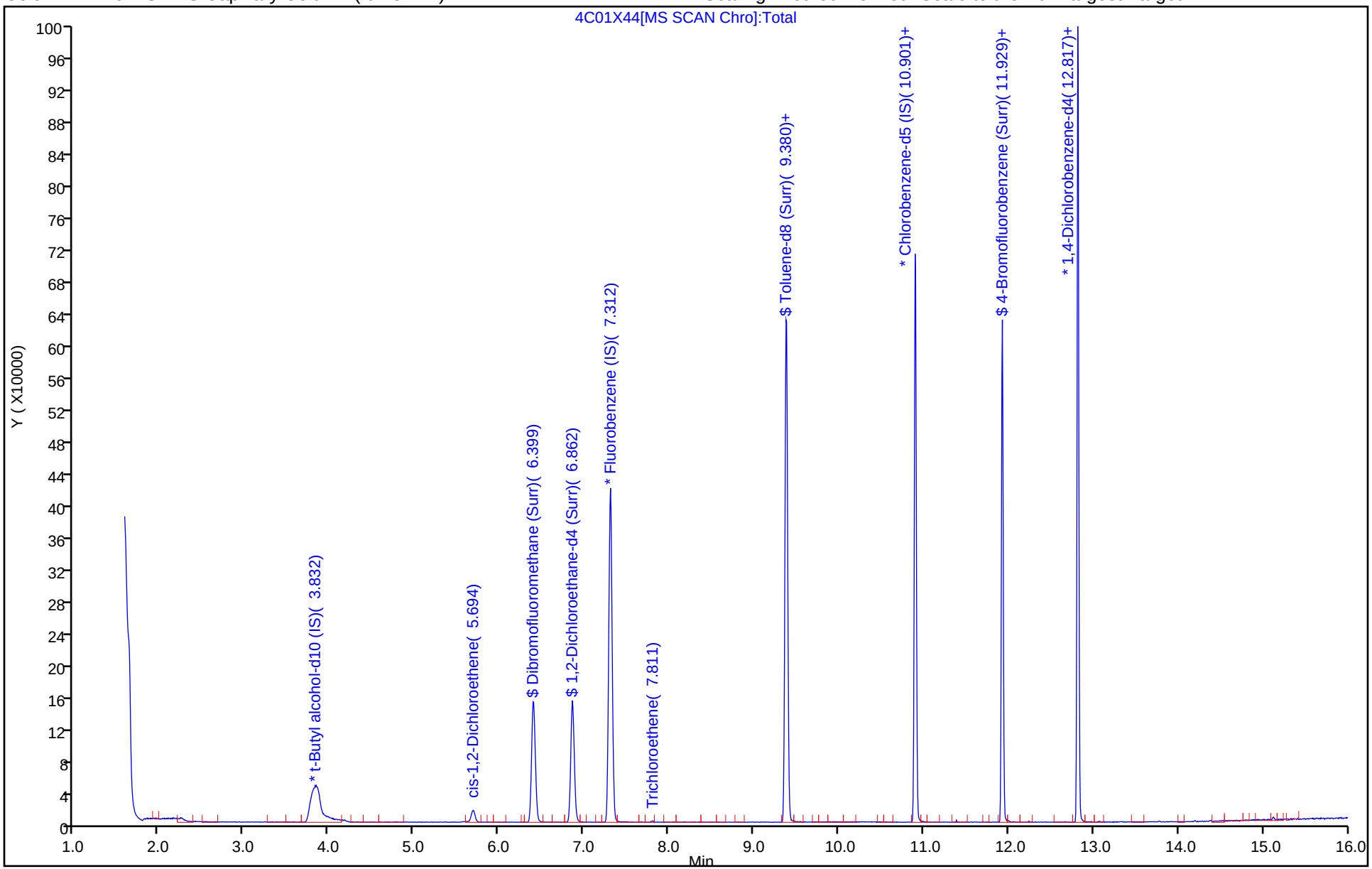
MSV_HP04_ISSS_00003 Amount Added: 1.00 Units: uL Run Reagent

Report Date: 02-Oct-2024 14:20:34 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\23297\20241001-126519.b\4C01X44.D				
Injection Date:	02-Oct-2024 02:25:30	Instrument ID:	23297	Operator ID:	AGD105956
Lims ID:	410-190105-A-2	Lab Sample ID:	410-190105-2	Worklist Smp#:	15
Client ID:	HD-MW-5-0/1-0				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	MSVoa_23297	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\23297\20241001-126519.b\4C01X44.D
Lims ID: 410-190105-A-2
Client ID: HD-MW-5-0/1-0
Sample Type: Client
Inject. Date: 02-Oct-2024 02:25:30 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0126519-015
Operator ID: AGD105956 Instrument ID: 23297

Method: \\chromfs\Lancaster\ChromData\23297\20241001-126519.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 02-Oct-2024 01:07:57 Calib Date: 17-Sep-2024 18:24:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20240917-125144.b\4S17X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1678

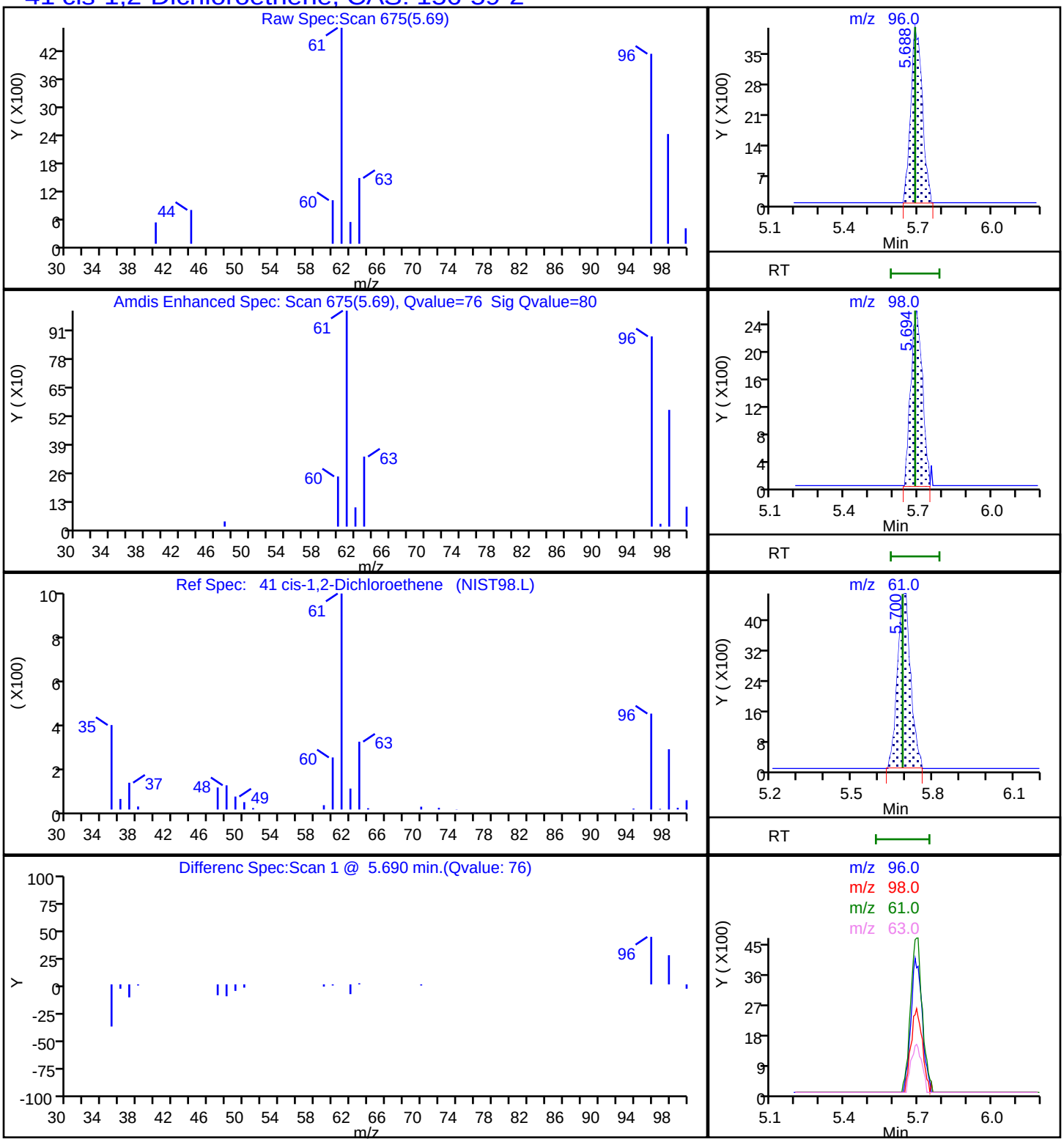
First Level Reviewer: FQ4L Date: 02-Oct-2024 14:20:34

Compound	Amount Added	Amount Recovered	% Rec.
$ 51 Dibromofluoromethane (Surr)	50.0	49.1	98.26
$ 57 1,2-Dichloroethane-d4 (Surr)	50.0	48.3	96.59
$ 80 Toluene-d8 (Surr)	50.0	51.0	102.06
$ 143 4-Bromofluorobenzene (Surr)	50.0	47.9	95.74

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\23297\20241001-126519.b\4C01X44.D				
Injection Date:	02-Oct-2024 02:25:30	Instrument ID:	23297		
Lims ID:	410-190105-A-2	Lab Sample ID:	410-190105-2		
Client ID:	HD-MW-5-0/1-0				
Operator ID:	AGD105956	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

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



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-190105-1

SDG No.:

Client Sample ID: HD-MW-108D-0/1-0
Lab Sample ID: 410-190105-3

Matrix: Water
Lab File ID: 4C01X45.D

Analysis Method: 8260D
Date Collected: 09/26/2024 12:45

Sample wt/vol: 5(mL)
Date Analyzed: 10/02/2024 02:48

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 558100
Units: ug/L

Preparation Batch No.:
Instrument ID: 23297

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.30
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.30
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.30
75-34-3	1,1-Dichloroethane	ND		1.0	0.30
75-35-4	1,1-Dichloroethene	ND		1.0	0.30
106-93-4	1,2-Dibromoethane (EDB)	ND		1.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.30
78-87-5	1,2-Dichloropropane	ND		1.0	0.30
78-93-3	2-Butanone (MEK)	ND		10	0.50
591-78-6	2-Hexanone	ND		10	0.85
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	0.50
67-64-1	Acetone	ND		20	0.70
71-43-2	Benzene	ND		1.0	0.30
74-97-5	Bromochloromethane	ND		5.0	0.20
75-27-4	Bromodichloromethane	ND		1.0	0.20
75-25-2	Bromoform	ND		4.0	1.0
74-83-9	Bromomethane	ND		1.0	0.30
75-15-0	Carbon disulfide	ND		5.0	0.30
56-23-5	Carbon tetrachloride	ND		1.0	0.30
108-90-7	Chlorobenzene	ND		1.0	0.30
75-00-3	Chloroethane	ND		1.0	0.30
67-66-3	Chloroform	ND		1.0	0.30
74-87-3	Chloromethane	ND		2.0	0.55
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.20
124-48-1	Dibromochloromethane	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.40
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.20
75-09-2	Methylene Chloride	ND		1.0	0.30
100-42-5	Styrene	ND		5.0	0.30
127-18-4	Tetrachloroethene	ND		1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-190105-1

SDG No.:

Client Sample ID: HD-MW-108D-0/1-0
Lab Sample ID: 410-190105-3

Matrix: Water
Lab File ID: 4C01X45.D

Analysis Method: 8260D
Date Collected: 09/26/2024 12:45

Sample wt/vol: 5(mL)
Date Analyzed: 10/02/2024 02:48

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 558100
Units: ug/L

Preparation Batch No.:
Instrument ID: 23297

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		1.0	0.30
156-60-5	trans-1,2-Dichloroethene	ND		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.20
79-01-6	Trichloroethene	ND		1.0	0.30
75-01-4	Vinyl chloride	ND		1.0	0.30
1330-20-7	Xylenes, Total	ND		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		80-120
460-00-4	4-Bromofluorobenzene (Surr)	97		80-120
1868-53-7	Dibromofluoromethane (Surr)	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\23297\20241001-126519.b\4C01X45.D
Lims ID: 410-190105-A-3
Client ID: HD-MW-108D-0/1-0
Sample Type: Client
Inject. Date: 02-Oct-2024 02:48:30 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0126519-016
Operator ID: AGD105956 Instrument ID: 23297

Method: \\chromfs\Lancaster\ChromData\23297\20241001-126519.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 02-Oct-2024 01:07:57 Calib Date: 17-Sep-2024 18:24:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20240917-125144.b\4S17X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1678

First Level Reviewer: FQ4L Date: 02-Oct-2024 14:27:47

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
4 Chloromethane	50		1.958				ND	
5 Vinyl chloride	62		2.062				ND	
8 Bromomethane	94		2.372				ND	
9 Chloroethane	64		2.445				ND	
18 1,1-Dichloroethene	96		3.218				ND	
17 Acetone	58		3.224				ND	
22 Carbon disulfide	76		3.504				ND	
27 Methylene Chloride	84		3.820				ND	
* 28 t-Butyl alcohol-d10 (IS)	65	3.838	3.856	-0.018	94	250276	250.0	
31 Methyl tert-butyl ether	73		4.179				ND	
32 trans-1,2-Dichloroethene	96		4.179				ND	
36 1,1-Dichloroethane	63		4.842				ND	
40 2-Butanone (MEK)	43		5.663				ND	
41 cis-1,2-Dichloroethene	96		5.688				ND	
47 Chlorobromomethane	128		6.022				ND	
50 Chloroform	83	6.199	6.180	0.019	1	1556	0.2843	
$ 51 Dibromofluoromethane (Surr)	113	6.405	6.405	0.000	93	154767	49.8	
52 1,1,1-Trichloroethane	97		6.412				ND	
54 Carbon tetrachloride	117		6.631				ND	
$ 57 1,2-Dichloroethane-d4 (Surr)	102	6.868	6.862	0.006	100	36834	49.9	
58 Benzene	78		6.898				ND	
59 1,2-Dichloroethane	62		6.971				ND	
* 62 Fluorobenzene (IS)	96	7.312	7.312	0.000	99	588160	50.0	
65 Trichloroethene	95		7.799				ND	
69 1,2-Dichloropropane	63		8.127				ND	
75 Dichlorobromomethane	83		8.486				ND	
78 cis-1,3-Dichloropropene	75		9.052				ND	
79 4-Methyl-2-pentanone (MIBK)	43		9.240				ND	
$ 80 Toluene-d8 (Surr)	98	9.380	9.380	0.000	93	580959	51.6	
81 Toluene	92		9.466				ND	
82 trans-1,3-Dichloropropene	75		9.739				ND	
101 1,1,2-Trichloroethane	97		9.952				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
117 Tetrachloroethene	166		10.043				ND	
123 2-Hexanone	43		10.183				ND	
126 Chlorodibromomethane	129		10.342				ND	
127 Ethylene Dibromide	107		10.451				ND	
* 129 Chlorobenzene-d5 (IS)	117	10.901	10.901	0.000	84	438440	50.0	
131 Chlorobenzene	112		10.932				ND	
132 1,1,1,2-Tetrachloroethane	131		11.017				ND	
133 Ethylbenzene	91		11.023				ND	
134 m-Xylene & p-Xylene	106		11.145				ND	
S 135 Xylenes, Total	106		11.245				ND	7
136 o-Xylene	106		11.479				ND	
138 Styrene	104		11.491				ND	
139 Bromoform	173		11.650				ND	
$ 143 4-Bromofluorobenzene (Surr)	95	11.929	11.929	0.000	93	207495	48.7	
144 1,1,2,2-Tetrachloroethane	83		12.033				ND	
* 160 1,4-Dichlorobenzene-d4	152	12.817	12.818	-0.001	93	268574	50.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

MSV_HP04_ISSS_00003 Amount Added: 1.00 Units: uL Run Reagent

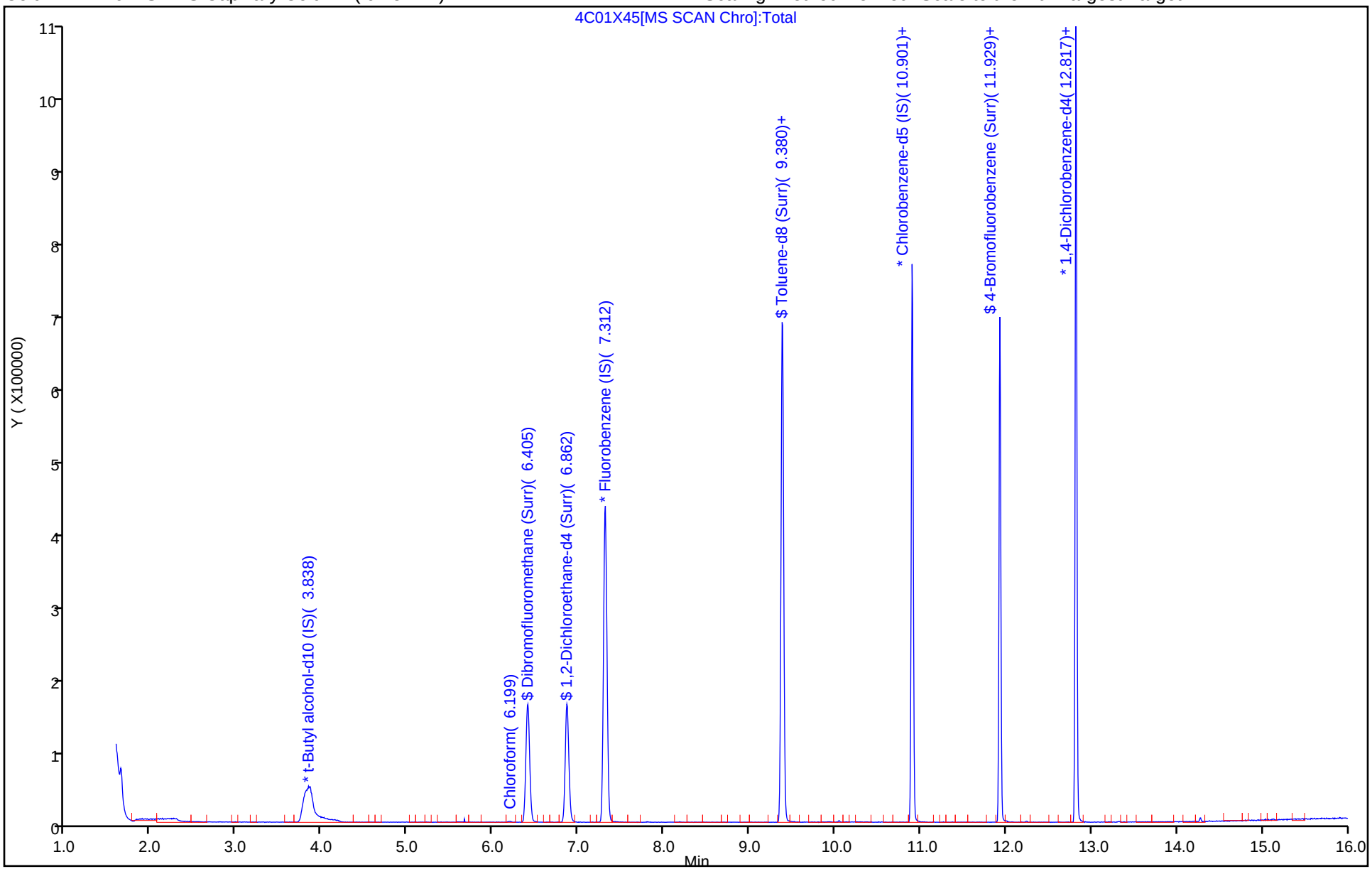
Report Date: 02-Oct-2024 14:27:47 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20241001-126519.b\4C01X45.D

Injection Date:	02-Oct-2024 02:48:30	Instrument ID:	23297	Operator ID:	AGD105956
Lims ID:	410-190105-A-3	Lab Sample ID:	410-190105-3	Worklist Smp#:	16
Client ID:	HD-MW-108D-0/1-0				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	MSVoa_23297	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\23297\20241001-126519.b\4C01X45.D
Lims ID: 410-190105-A-3
Client ID: HD-MW-108D-0/1-0
Sample Type: Client
Inject. Date: 02-Oct-2024 02:48:30 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0126519-016
Operator ID: AGD105956 Instrument ID: 23297

Method: \\chromfs\Lancaster\ChromData\23297\20241001-126519.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 02-Oct-2024 01:07:57 Calib Date: 17-Sep-2024 18:24:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20240917-125144.b\4S17X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1678

First Level Reviewer: FQ4L Date: 02-Oct-2024 14:27:47

Compound	Amount Added	Amount Recovered	% Rec.
$ 51 Dibromofluoromethane (Surr)	50.0	49.8	99.65
$ 57 1,2-Dichloroethane-d4 (Surr)	50.0	49.9	99.89
$ 80 Toluene-d8 (Surr)	50.0	51.6	103.19
$ 143 4-Bromofluorobenzene (Surr)	50.0	48.7	97.46

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-190105-1

SDG No.:

Client Sample ID: HD-MW-166-0/1-0
Lab Sample ID: 410-190105-4

Matrix: Water
Lab File ID: 4C01X46.D

Analysis Method: 8260D
Date Collected: 09/26/2024 13:10

Sample wt/vol: 5(mL)
Date Analyzed: 10/02/2024 03:10

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 558100
Units: ug/L

Preparation Batch No.:
Instrument ID: 23297

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.30
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.30
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.30
75-34-3	1,1-Dichloroethane	ND		1.0	0.30
75-35-4	1,1-Dichloroethene	ND		1.0	0.30
106-93-4	1,2-Dibromoethane (EDB)	ND		1.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.30
78-87-5	1,2-Dichloropropane	ND		1.0	0.30
78-93-3	2-Butanone (MEK)	ND		10	0.50
591-78-6	2-Hexanone	ND		10	0.85
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	0.50
67-64-1	Acetone	ND		20	0.70
71-43-2	Benzene	ND		1.0	0.30
74-97-5	Bromochloromethane	ND		5.0	0.20
75-27-4	Bromodichloromethane	ND		1.0	0.20
75-25-2	Bromoform	ND		4.0	1.0
74-83-9	Bromomethane	ND		1.0	0.30
75-15-0	Carbon disulfide	ND		5.0	0.30
56-23-5	Carbon tetrachloride	ND		1.0	0.30
108-90-7	Chlorobenzene	ND		1.0	0.30
75-00-3	Chloroethane	ND		1.0	0.30
67-66-3	Chloroform	0.58	J	1.0	0.30
74-87-3	Chloromethane	ND		2.0	0.55
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.20
124-48-1	Dibromochloromethane	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.40
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.20
75-09-2	Methylene Chloride	ND		1.0	0.30
100-42-5	Styrene	ND		5.0	0.30
127-18-4	Tetrachloroethene	0.63	J	1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-190105-1

SDG No.:

Client Sample ID: HD-MW-166-0/1-0
Lab Sample ID: 410-190105-4

Matrix: Water
Lab File ID: 4C01X46.D

Analysis Method: 8260D
Date Collected: 09/26/2024 13:10

Sample wt/vol: 5(mL)
Date Analyzed: 10/02/2024 03:10

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 558100
Units: ug/L

Preparation Batch No.:
Instrument ID: 23297

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		1.0	0.30
156-60-5	trans-1,2-Dichloroethene	ND		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.20
79-01-6	Trichloroethene	0.35	J	1.0	0.30
75-01-4	Vinyl chloride	ND		1.0	0.30
1330-20-7	Xylenes, Total	ND		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		80-120
460-00-4	4-Bromofluorobenzene (Surr)	97		80-120
1868-53-7	Dibromofluoromethane (Surr)	99		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\23297\20241001-126519.b\4C01X46.D
Lims ID: 410-190105-A-4
Client ID: HD-MW-166-0/1-0
Sample Type: Client
Inject. Date: 02-Oct-2024 03:10:30 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0126519-017
Operator ID: AGD105956 Instrument ID: 23297

Method: \\chromfs\Lancaster\ChromData\23297\20241001-126519.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 02-Oct-2024 01:51:54 Calib Date: 17-Sep-2024 18:24:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20240917-125144.b\4S17X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1678

First Level Reviewer: FQ4L Date: 02-Oct-2024 14:56:40

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
4 Chloromethane	50		1.958				ND	
5 Vinyl chloride	62		2.062				ND	
8 Bromomethane	94		2.372				ND	7
9 Chloroethane	64		2.445				ND	
18 1,1-Dichloroethene	96		3.218				ND	
17 Acetone	58		3.224				ND	
22 Carbon disulfide	76		3.504				ND	
27 Methylene Chloride	84		3.820				ND	
* 28 t-Butyl alcohol-d10 (IS)	65	3.850	3.856	-0.006	94	242813	250.0	
31 Methyl tert-butyl ether	73		4.179				ND	
32 trans-1,2-Dichloroethene	96		4.179				ND	
36 1,1-Dichloroethane	63		4.842				ND	
40 2-Butanone (MEK)	43		5.663				ND	
41 cis-1,2-Dichloroethene	96		5.688				ND	
47 Chlorobromomethane	128		6.022				ND	
50 Chloroform	83	6.199	6.180	0.019	87	3208	0.5833	
$ 51 Dibromofluoromethane (Surr)	113	6.412	6.405	0.007	93	153827	49.3	
52 1,1,1-Trichloroethane	97		6.412				ND	
54 Carbon tetrachloride	117		6.631				ND	
$ 57 1,2-Dichloroethane-d4 (Surr)	102	6.868	6.862	0.006	100	37338	50.4	
58 Benzene	78		6.898				ND	
59 1,2-Dichloroethane	62		6.971				ND	
* 62 Fluorobenzene (IS)	96	7.312	7.312	0.000	99	591082	50.0	
65 Trichloroethene	95	7.805	7.799	0.006	82	1148	0.3484	
69 1,2-Dichloropropane	63		8.127				ND	
75 Dichlorobromomethane	83		8.486				ND	
78 cis-1,3-Dichloropropene	75		9.052				ND	
79 4-Methyl-2-pentanone (MIBK)	43		9.240				ND	
$ 80 Toluene-d8 (Surr)	98	9.386	9.380	0.006	93	580915	51.5	
81 Toluene	92		9.466				ND	
82 trans-1,3-Dichloropropene	75		9.739				ND	
101 1,1,2-Trichloroethane	97		9.952				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
117 Tetrachloroethene	166	10.044	10.043	0.001	91	2199	0.6322	
123 2-Hexanone	43		10.183				ND	
126 Chlorodibromomethane	129		10.342				ND	
127 Ethylene Dibromide	107		10.451				ND	
* 129 Chlorobenzene-d5 (IS)	117	10.907	10.901	0.006	84	438823	50.0	
131 Chlorobenzene	112		10.932				ND	
132 1,1,1,2-Tetrachloroethane	131		11.017				ND	
133 Ethylbenzene	91		11.023				ND	
134 m-Xylene & p-Xylene	106		11.145				ND	
S 135 Xylenes, Total	106		11.245				ND	7
136 o-Xylene	106		11.479				ND	
138 Styrene	104		11.491				ND	
139 Bromoform	173		11.650				ND	
$ 143 4-Bromofluorobenzene (Surr)	95	11.929	11.929	0.000	93	205899	48.3	
144 1,1,2,2-Tetrachloroethane	83		12.033				ND	
* 160 1,4-Dichlorobenzene-d4	152	12.818	12.818	0.000	93	260373	50.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

MSV_HP04_ISSS_00003 Amount Added: 1.00 Units: uL Run Reagent

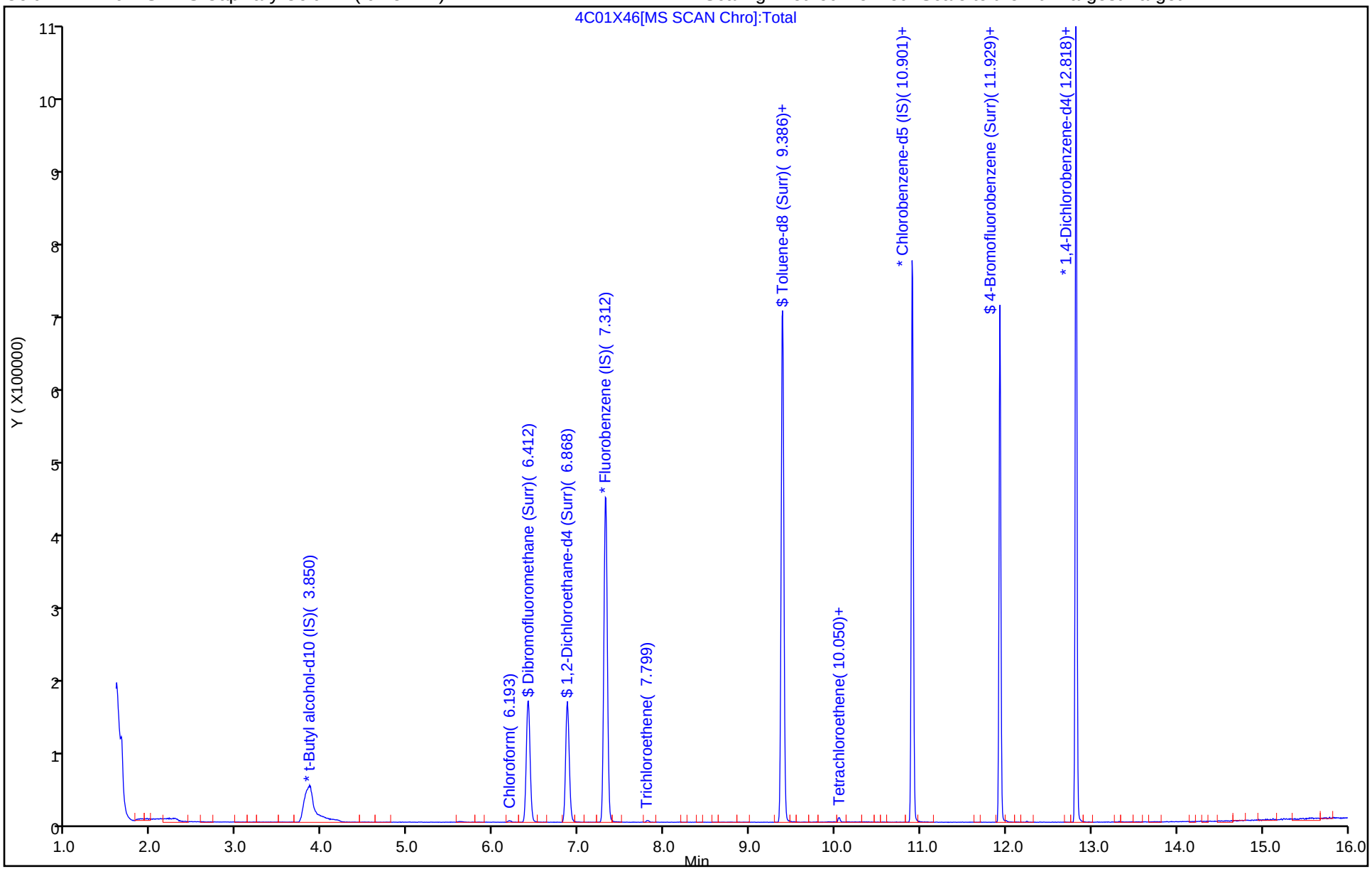
Report Date: 02-Oct-2024 14:56:41 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20241001-126519.b\4C01X46.D

Injection Date:	02-Oct-2024 03:10:30	Instrument ID:	23297	Operator ID:	AGD105956
Lims ID:	410-190105-A-4	Lab Sample ID:	410-190105-4	Worklist Smp#:	17
Client ID:	HD-MW-166-0/1-0				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	MSVoa_23297	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\23297\20241001-126519.b\4C01X46.D				
Lims ID:	410-190105-A-4				
Client ID:	HD-MW-166-0/1-0				
Sample Type:	Client				
Inject. Date:	02-Oct-2024 03:10:30	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0126519-017				
Operator ID:	AGD105956	Instrument ID:	23297		
Method:	\\chromfs\Lancaster\ChromData\23297\20241001-126519.b\MSVoa_23297.m				
Limit Group:	MSV - 8260C_D				
Last Update:	02-Oct-2024 01:51:54	Calib Date:	17-Sep-2024 18:24:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\23297\20240917-125144.b\4S17X17.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1678				

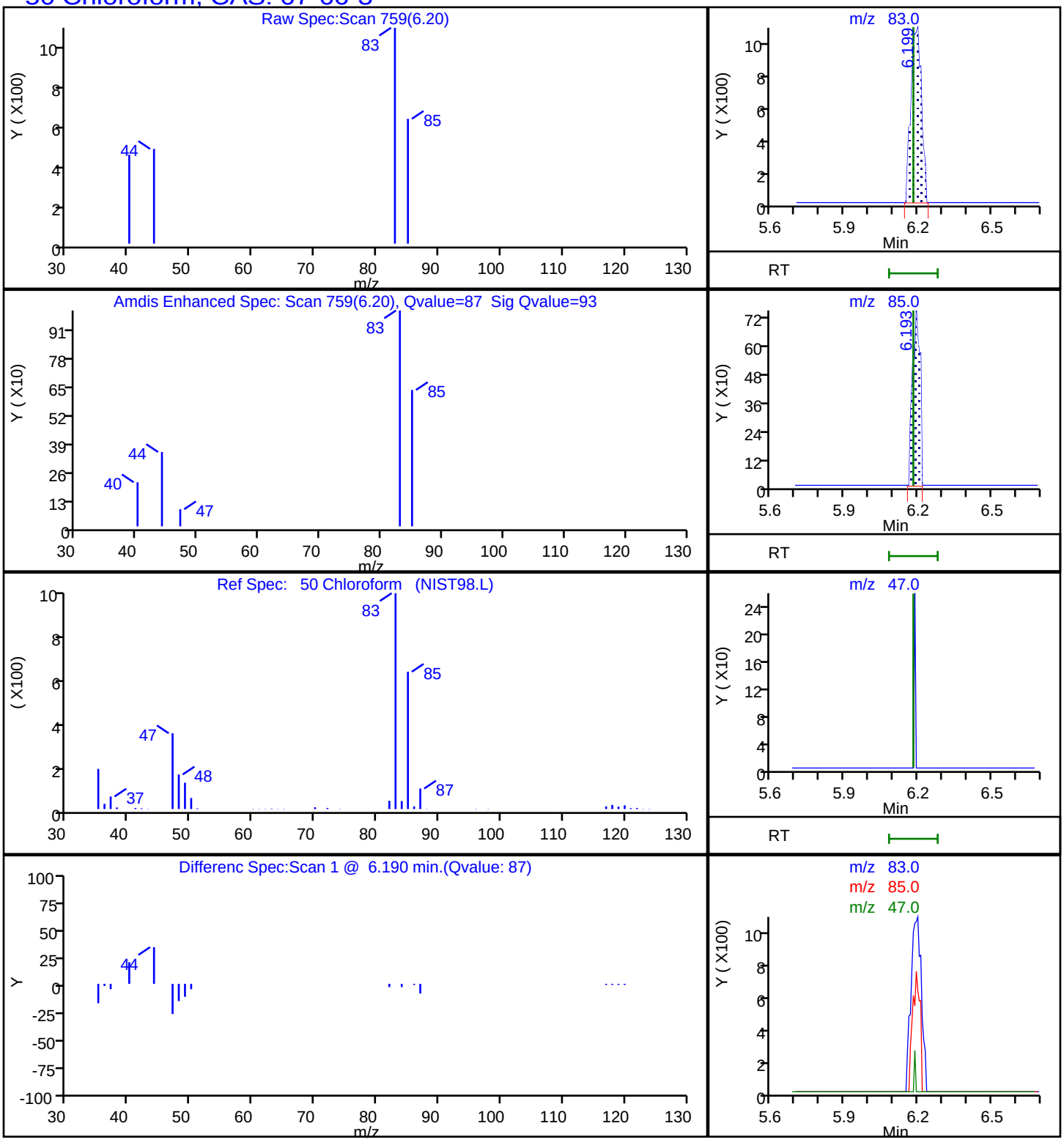
First Level Reviewer: FQ4L Date: 02-Oct-2024 14:56:40

Compound	Amount Added	Amount Recovered	% Rec.
$ 51 Dibromofluoromethane (Surr)	50.0	49.3	98.55
$ 57 1,2-Dichloroethane-d4 (Surr)	50.0	50.4	100.76
$ 80 Toluene-d8 (Surr)	50.0	51.5	103.09
$ 143 4-Bromofluorobenzene (Surr)	50.0	48.3	96.63

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\23297\20241001-126519.b\4C01X46.D				
Injection Date:	02-Oct-2024 03:10:30	Instrument ID:	23297		
Lims ID:	410-190105-A-4	Lab Sample ID:	410-190105-4		
Client ID:	HD-MW-166-0/1-0				
Operator ID:	AGD105956	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

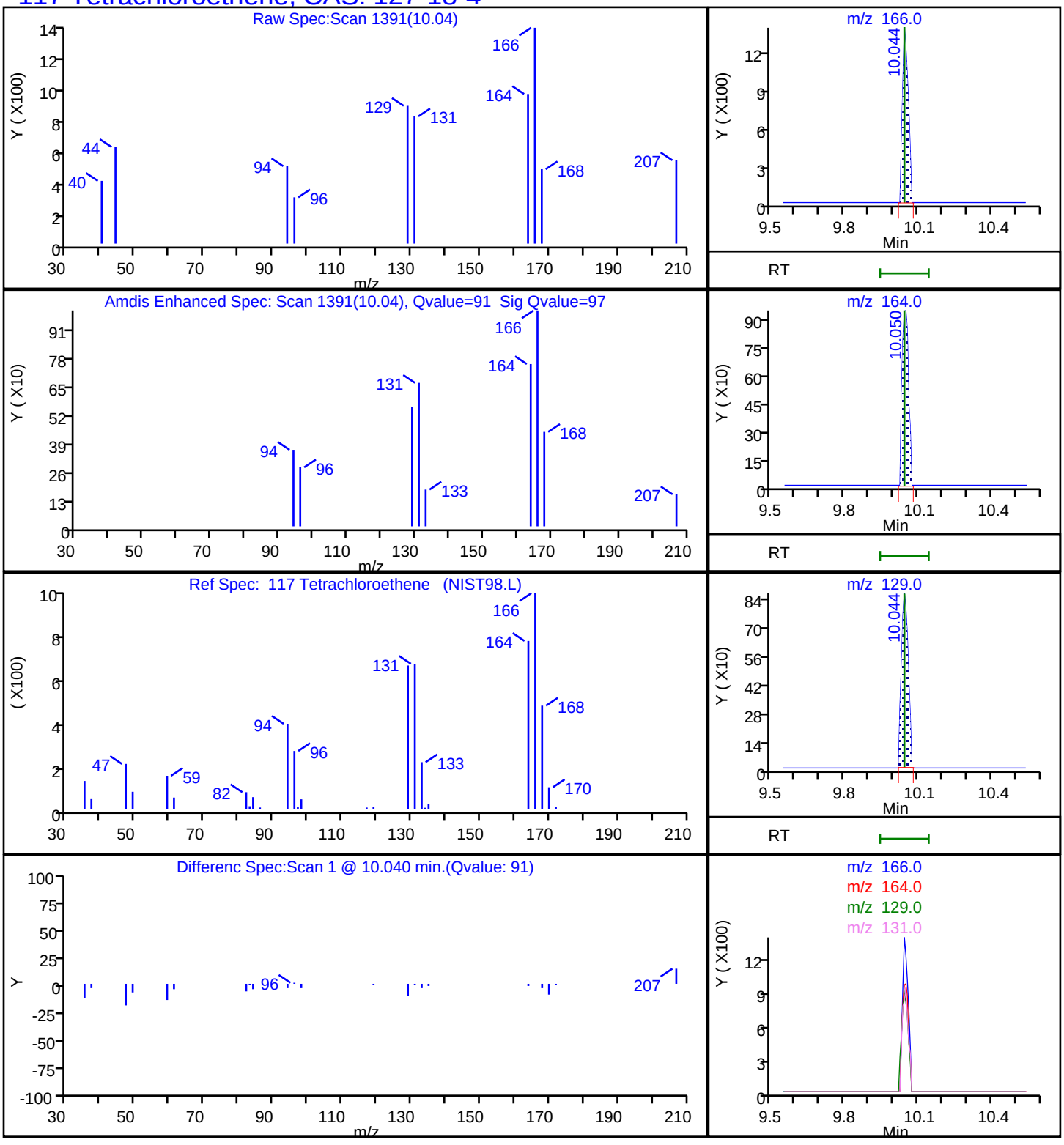
50 Chloroform, CAS: 67-66-3



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\23297\20241001-126519.b\4C01X46.D				
Injection Date:	02-Oct-2024 03:10:30	Instrument ID:	23297		
Lims ID:	410-190105-A-4	Lab Sample ID:	410-190105-4		
Client ID:	HD-MW-166-0/1-0				
Operator ID:	AGD105956	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

117 Tetrachloroethene, CAS: 127-18-4

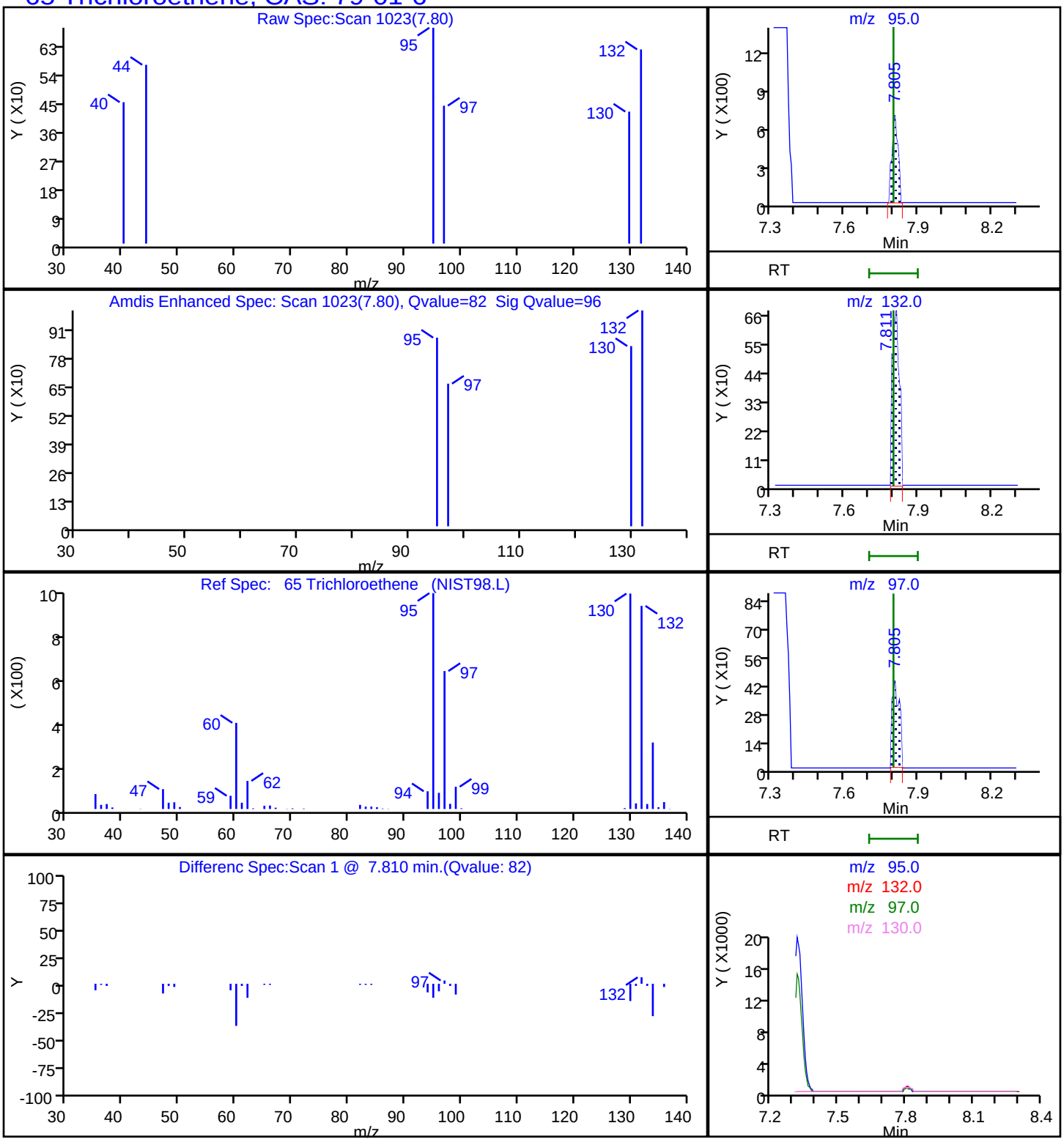


Report Date: 02-Oct-2024 14:56:41 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\23297\20241001-126519.b\4C01X46.D				
Injection Date:	02-Oct-2024 03:10:30	Instrument ID:	23297		
Lims ID:	410-190105-A-4	Lab Sample ID:	410-190105-4		
Client ID:	HD-MW-166-0/1-0				
Operator ID:	AGD105956	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

65 Trichloroethene, CAS: 79-01-6



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-190105-1

SDG No.:

Client Sample ID: HD-MW-167-0/1-0
Lab Sample ID: 410-190105-5

Matrix: Water
Lab File ID: 4C01X47.D

Analysis Method: 8260D
Date Collected: 09/26/2024 13:20

Sample wt/vol: 5(mL)
Date Analyzed: 10/02/2024 03:33

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 558100
Units: ug/L

Preparation Batch No.:
Instrument ID: 23297

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.30
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.30
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.30
75-34-3	1,1-Dichloroethane	ND		1.0	0.30
75-35-4	1,1-Dichloroethene	ND		1.0	0.30
106-93-4	1,2-Dibromoethane (EDB)	ND		1.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.30
78-87-5	1,2-Dichloropropane	ND		1.0	0.30
78-93-3	2-Butanone (MEK)	ND		10	0.50
591-78-6	2-Hexanone	ND		10	0.85
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	0.50
67-64-1	Acetone	1.8	J	20	0.70
71-43-2	Benzene	ND		1.0	0.30
74-97-5	Bromochloromethane	ND		5.0	0.20
75-27-4	Bromodichloromethane	ND		1.0	0.20
75-25-2	Bromoform	ND		4.0	1.0
74-83-9	Bromomethane	ND		1.0	0.30
75-15-0	Carbon disulfide	ND		5.0	0.30
56-23-5	Carbon tetrachloride	ND		1.0	0.30
108-90-7	Chlorobenzene	ND		1.0	0.30
75-00-3	Chloroethane	ND		1.0	0.30
67-66-3	Chloroform	ND		1.0	0.30
74-87-3	Chloromethane	ND		2.0	0.55
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.20
124-48-1	Dibromochloromethane	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.40
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.20
75-09-2	Methylene Chloride	ND		1.0	0.30
100-42-5	Styrene	ND		5.0	0.30
127-18-4	Tetrachloroethene	1.5		1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-190105-1

SDG No.:

Client Sample ID: HD-MW-167-0/1-0
Lab Sample ID: 410-190105-5

Matrix: Water
Lab File ID: 4C01X47.D

Analysis Method: 8260D
Date Collected: 09/26/2024 13:20

Sample wt/vol: 5(mL)
Date Analyzed: 10/02/2024 03:33

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 558100
Units: ug/L

Preparation Batch No.:
Instrument ID: 23297

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		1.0	0.30
156-60-5	trans-1,2-Dichloroethene	ND		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.20
79-01-6	Trichloroethene	0.39	J	1.0	0.30
75-01-4	Vinyl chloride	ND		1.0	0.30
1330-20-7	Xylenes, Total	ND		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		80-120
460-00-4	4-Bromofluorobenzene (Surr)	97		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\23297\20241001-126519.b\4C01X47.D
Lims ID: 410-190105-A-5
Client ID: HD-MW-167-0/1-0
Sample Type: Client
Inject. Date: 02-Oct-2024 03:33:30 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0126519-018
Operator ID: AGD105956 Instrument ID: 23297

Method: \\chromfs\Lancaster\ChromData\23297\20241001-126519.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 02-Oct-2024 01:51:54 Calib Date: 17-Sep-2024 18:24:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20240917-125144.b\4S17X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1678

First Level Reviewer: FQ4L Date: 02-Oct-2024 14:58:55

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
4 Chloromethane	50		1.958				ND	
5 Vinyl chloride	62		2.062				ND	
8 Bromomethane	94		2.372				ND	
9 Chloroethane	64		2.445				ND	
18 1,1-Dichloroethene	96		3.218				ND	
17 Acetone	58	3.248	3.224	0.024	98	1061	1.75	
22 Carbon disulfide	76		3.504				ND	
27 Methylene Chloride	84		3.820				ND	
* 28 t-Butyl alcohol-d10 (IS)	65	3.838	3.856	-0.018	94	256987	250.0	
31 Methyl tert-butyl ether	73		4.179				ND	
32 trans-1,2-Dichloroethene	96		4.179				ND	
36 1,1-Dichloroethane	63		4.842				ND	
40 2-Butanone (MEK)	43		5.663				ND	
41 cis-1,2-Dichloroethene	96		5.688				ND	
47 Chlorobromomethane	128		6.022				ND	
50 Chloroform	83		6.180				ND	7
$ 51 Dibromofluoromethane (Surr)	113	6.399	6.405	-0.006	94	157352	50.2	
52 1,1,1-Trichloroethane	97		6.412				ND	
54 Carbon tetrachloride	117		6.631				ND	
$ 57 1,2-Dichloroethane-d4 (Surr)	102	6.862	6.862	0.000	99	37630	50.6	
58 Benzene	78		6.898				ND	
59 1,2-Dichloroethane	62		6.971				ND	
* 62 Fluorobenzene (IS)	96	7.312	7.312	0.000	99	593024	50.0	
65 Trichloroethene	95	7.805	7.799	0.006	85	1283	0.3881	
69 1,2-Dichloropropane	63		8.127				ND	
75 Dichlorobromomethane	83		8.486				ND	
78 cis-1,3-Dichloropropene	75		9.052				ND	
79 4-Methyl-2-pentanone (MIBK)	43		9.240				ND	
$ 80 Toluene-d8 (Surr)	98	9.380	9.380	0.000	93	585202	51.3	
81 Toluene	92		9.466				ND	
82 trans-1,3-Dichloropropene	75		9.739				ND	
101 1,1,2-Trichloroethane	97		9.952				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
117 Tetrachloroethene	166	10.044	10.043	0.001	94	5181	1.47	
123 2-Hexanone	43		10.183				ND	
126 Chlorodibromomethane	129		10.342				ND	
127 Ethylene Dibromide	107		10.451				ND	
* 129 Chlorobenzene-d5 (IS)	117	10.901	10.901	0.000	84	444039	50.0	
131 Chlorobenzene	112		10.932				ND	
132 1,1,1,2-Tetrachloroethane	131		11.017				ND	
133 Ethylbenzene	91		11.023				ND	
134 m-Xylene & p-Xylene	106		11.145				ND	
S 135 Xylenes, Total	106		11.245				ND	7
136 o-Xylene	106		11.479				ND	
138 Styrene	104		11.491				ND	
139 Bromoform	173		11.650				ND	
$ 143 4-Bromofluorobenzene (Surr)	95	11.929	11.929	0.000	93	208797	48.4	
144 1,1,2,2-Tetrachloroethane	83		12.033				ND	
* 160 1,4-Dichlorobenzene-d4	152	12.818	12.818	0.000	94	271338	50.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

MSV_HP04_ISSS_00003 Amount Added: 1.00 Units: uL Run Reagent

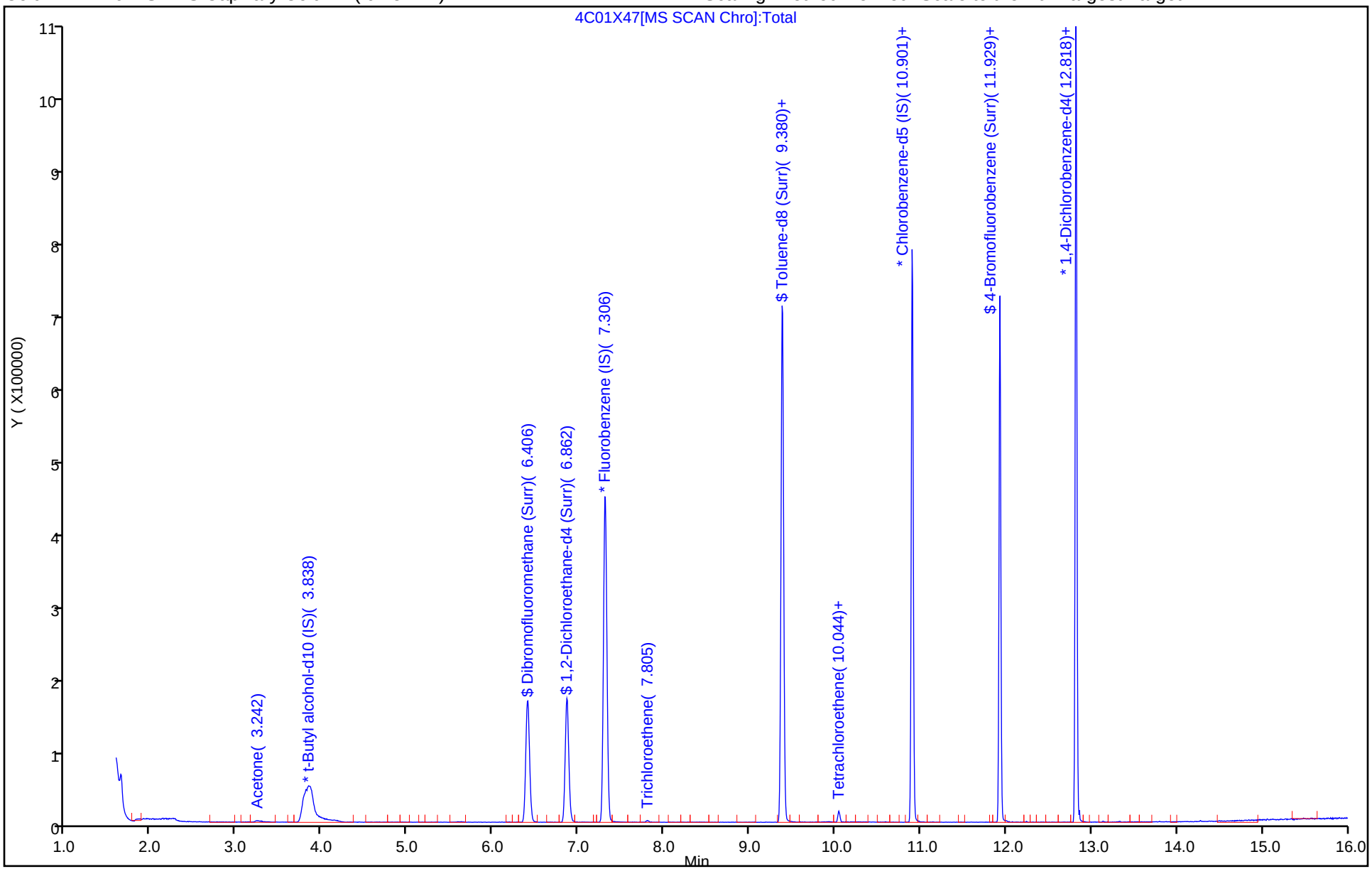
Report Date: 02-Oct-2024 14:58:56 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20241001-126519.b\4C01X47.D

Injection Date:	02-Oct-2024 03:33:30	Instrument ID:	23297	Operator ID:	AGD105956
Lims ID:	410-190105-A-5	Lab Sample ID:	410-190105-5	Worklist Smp#:	18
Client ID:	HD-MW-167-0/1-0				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	MSVoa_23297	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\23297\20241001-126519.b\4C01X47.D				
Lims ID:	410-190105-A-5				
Client ID:	HD-MW-167-0/1-0				
Sample Type:	Client				
Inject. Date:	02-Oct-2024 03:33:30	ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0126519-018				
Operator ID:	AGD105956	Instrument ID:	23297		
Method:	\\chromfs\Lancaster\ChromData\23297\20241001-126519.b\MSVoa_23297.m				
Limit Group:	MSV - 8260C_D				
Last Update:	02-Oct-2024 01:51:54	Calib Date:	17-Sep-2024 18:24:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\23297\20240917-125144.b\4S17X17.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1678				

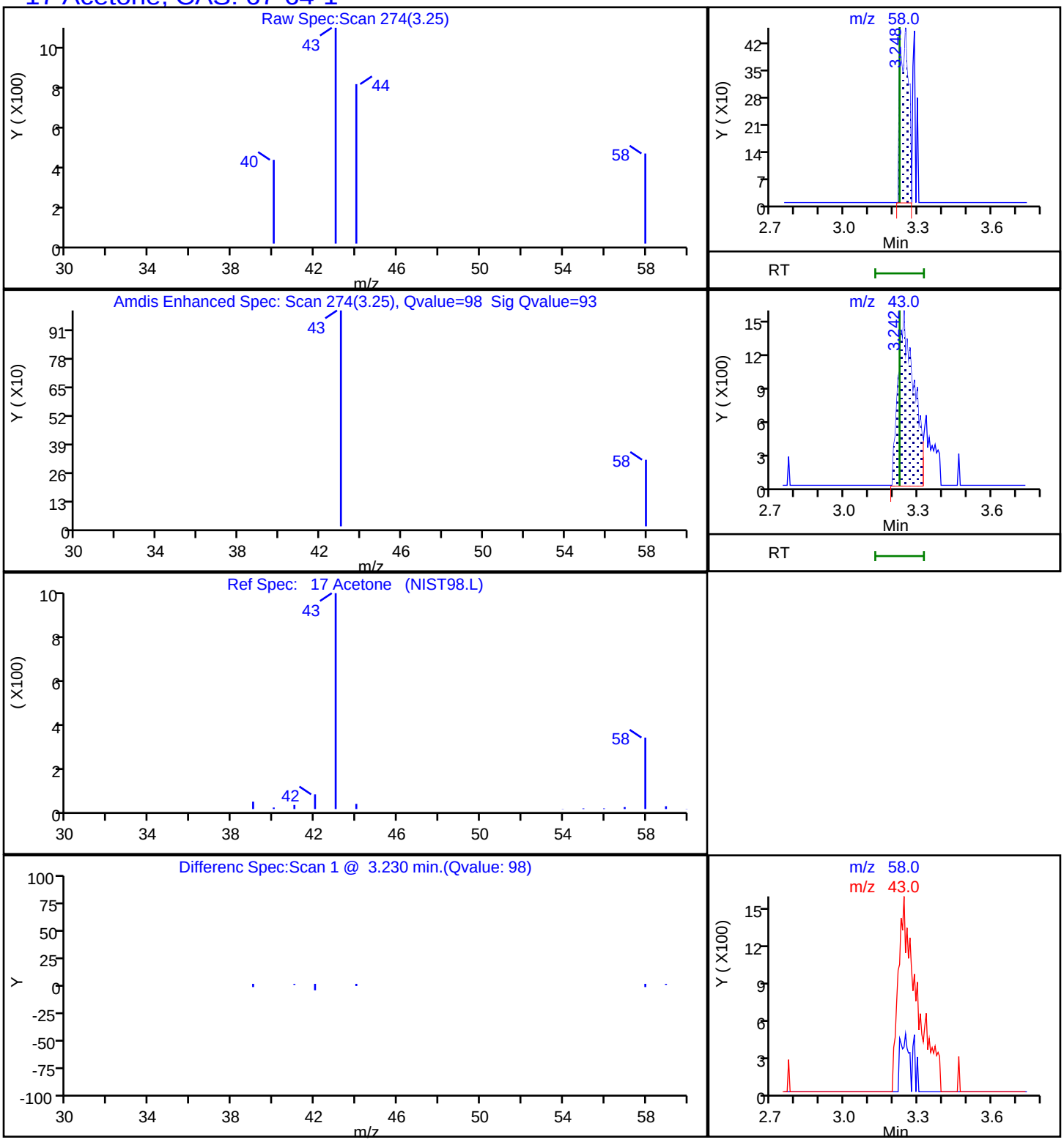
First Level Reviewer: FQ4L Date: 02-Oct-2024 14:58:55

Compound	Amount Added	Amount Recovered	% Rec.
$ 51 Dibromofluoromethane (Surr)	50.0	50.2	100.48
$ 57 1,2-Dichloroethane-d4 (Surr)	50.0	50.6	101.21
$ 80 Toluene-d8 (Surr)	50.0	51.3	102.63
$ 143 4-Bromofluorobenzene (Surr)	50.0	48.4	96.84

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\23297\20241001-126519.b\4C01X47.D				
Injection Date:	02-Oct-2024 03:33:30	Instrument ID:	23297		
Lims ID:	410-190105-A-5	Lab Sample ID:	410-190105-5		
Client ID:	HD-MW-167-0/1-0				
Operator ID:	AGD105956	ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

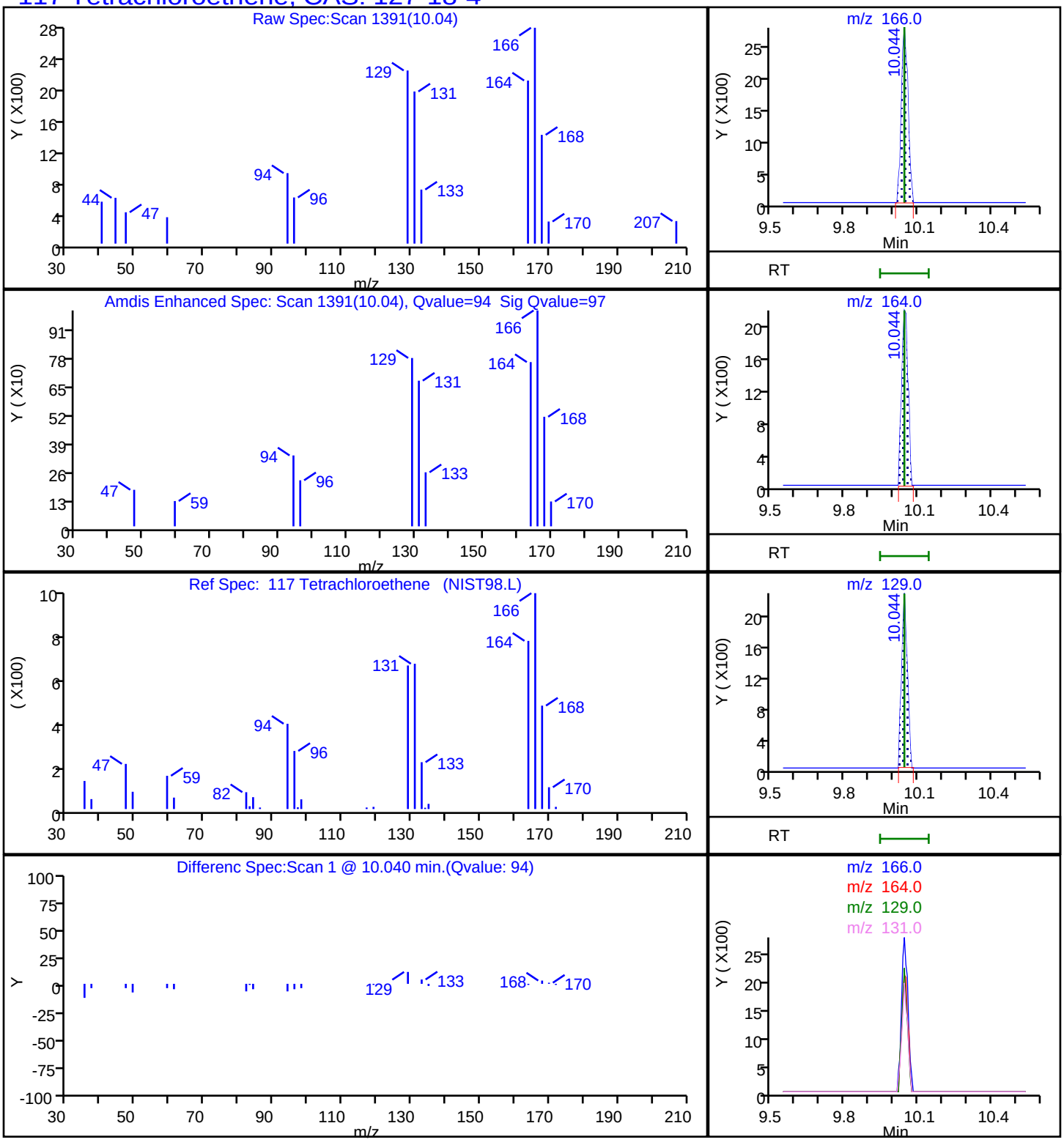
17 Acetone, CAS: 67-64-1



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\23297\20241001-126519.b\4C01X47.D				
Injection Date:	02-Oct-2024 03:33:30	Instrument ID:	23297		
Lims ID:	410-190105-A-5	Lab Sample ID:	410-190105-5		
Client ID:	HD-MW-167-0/1-0				
Operator ID:	AGD105956	ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

117 Tetrachloroethene, CAS: 127-18-4

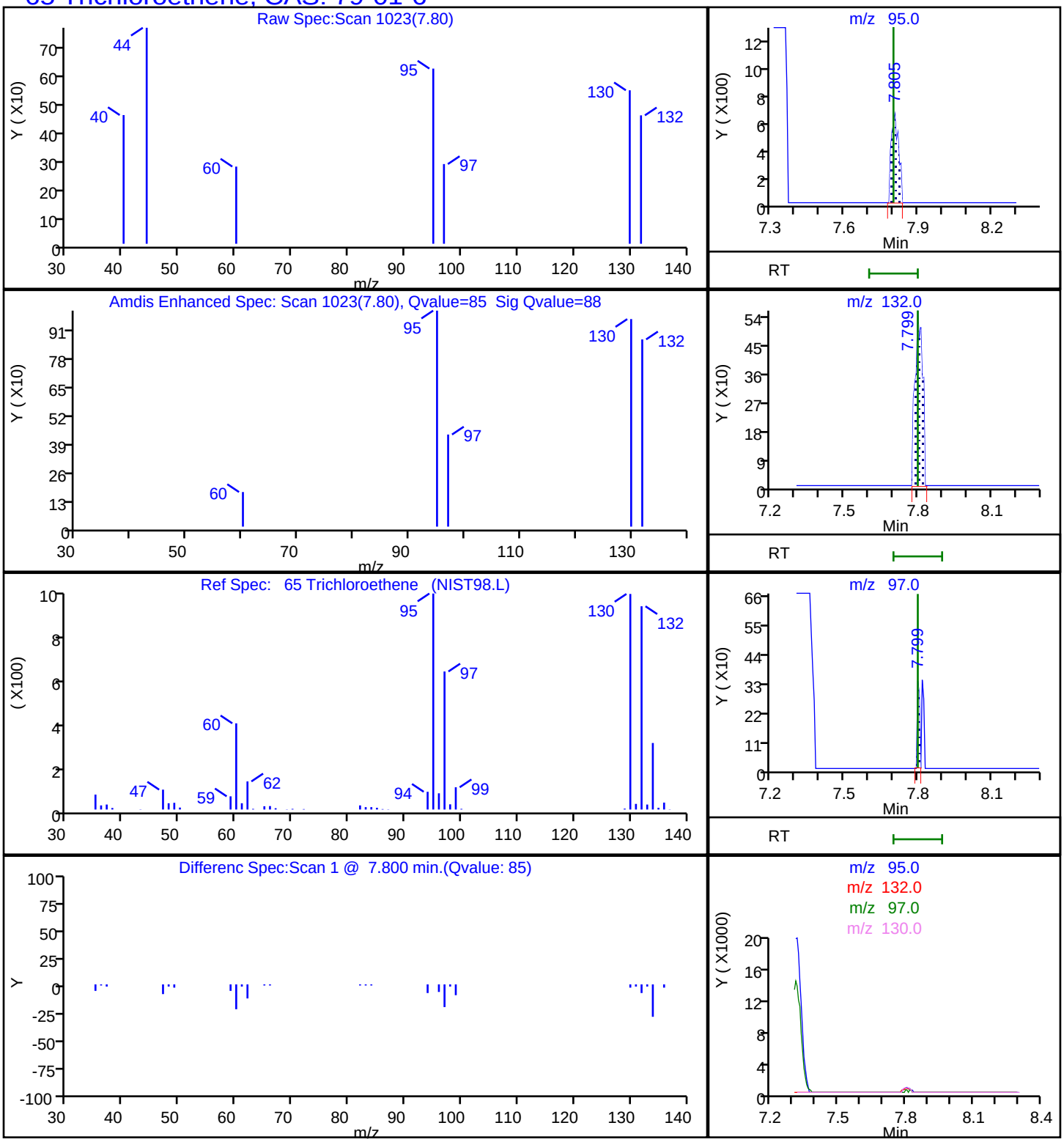


Report Date: 02-Oct-2024 14:58:56 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\23297\20241001-126519.b\4C01X47.D				
Injection Date:	02-Oct-2024 03:33:30	Instrument ID:	23297		
Lims ID:	410-190105-A-5	Lab Sample ID:	410-190105-5		
Client ID:	HD-MW-167-0/1-0				
Operator ID:	AGD105956	ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

65 Trichloroethene, CAS: 79-01-6



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-190105-1

SDG No.:

Client Sample ID: HD-MW-168-0/1-0
Lab Sample ID: 410-190105-6

Matrix: Water
Lab File ID: 4C01X48.D

Analysis Method: 8260D
Date Collected: 09/26/2024 13:30

Sample wt/vol: 5(mL)
Date Analyzed: 10/02/2024 03:55

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 558100
Units: ug/L

Preparation Batch No.:
Instrument ID: 23297

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.30
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.30
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.30
75-34-3	1,1-Dichloroethane	ND		1.0	0.30
75-35-4	1,1-Dichloroethene	ND		1.0	0.30
106-93-4	1,2-Dibromoethane (EDB)	ND		1.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.30
78-87-5	1,2-Dichloropropane	ND		1.0	0.30
78-93-3	2-Butanone (MEK)	ND		10	0.50
591-78-6	2-Hexanone	ND		10	0.85
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	0.50
67-64-1	Acetone	ND		20	0.70
71-43-2	Benzene	ND		1.0	0.30
74-97-5	Bromochloromethane	ND		5.0	0.20
75-27-4	Bromodichloromethane	ND		1.0	0.20
75-25-2	Bromoform	ND		4.0	1.0
74-83-9	Bromomethane	ND		1.0	0.30
75-15-0	Carbon disulfide	ND		5.0	0.30
56-23-5	Carbon tetrachloride	ND		1.0	0.30
108-90-7	Chlorobenzene	ND		1.0	0.30
75-00-3	Chloroethane	ND		1.0	0.30
67-66-3	Chloroform	0.31	J	1.0	0.30
74-87-3	Chloromethane	ND		2.0	0.55
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.20
124-48-1	Dibromochloromethane	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.40
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.20
75-09-2	Methylene Chloride	ND		1.0	0.30
100-42-5	Styrene	ND		5.0	0.30
127-18-4	Tetrachloroethene	ND		1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-190105-1

SDG No.:

Client Sample ID: HD-MW-168-0/1-0
Lab Sample ID: 410-190105-6

Matrix: Water
Lab File ID: 4C01X48.D

Analysis Method: 8260D
Date Collected: 09/26/2024 13:30

Sample wt/vol: 5(mL)
Date Analyzed: 10/02/2024 03:55

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 558100
Units: ug/L

Preparation Batch No.:
Instrument ID: 23297

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		1.0	0.30
156-60-5	trans-1,2-Dichloroethene	ND		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.20
79-01-6	Trichloroethene	ND		1.0	0.30
75-01-4	Vinyl chloride	ND		1.0	0.30
1330-20-7	Xylenes, Total	ND		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		80-120
460-00-4	4-Bromofluorobenzene (Surr)	98		80-120
1868-53-7	Dibromofluoromethane (Surr)	99		80-120
2037-26-5	Toluene-d8 (Surr)	102		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\23297\20241001-126519.b\4C01X48.D
Lims ID: 410-190105-A-6
Client ID: HD-MW-168-0/1-0
Sample Type: Client
Inject. Date: 02-Oct-2024 03:55:30 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0126519-019
Operator ID: AGD105956 Instrument ID: 23297

Method: \\chromfs\Lancaster\ChromData\23297\20241001-126519.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 03-Oct-2024 06:49:45 Calib Date: 17-Sep-2024 18:24:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20240917-125144.b\4S17X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1652

First Level Reviewer: FQ4L Date: 03-Oct-2024 06:49:45

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
4 Chloromethane	50		1.958				ND	
5 Vinyl chloride	62		2.062				ND	
8 Bromomethane	94		2.372				ND	7
9 Chloroethane	64		2.445				ND	
18 1,1-Dichloroethene	96		3.218				ND	
17 Acetone	58		3.224				ND	
22 Carbon disulfide	76		3.504				ND	
27 Methylene Chloride	84		3.820				ND	
* 28 t-Butyl alcohol-d10 (IS)	65	3.850	3.856	-0.006	94	243847	250.0	
31 Methyl tert-butyl ether	73		4.179				ND	
32 trans-1,2-Dichloroethene	96		4.179				ND	
36 1,1-Dichloroethane	63		4.842				ND	
40 2-Butanone (MEK)	43		5.663				ND	U
41 cis-1,2-Dichloroethene	96		5.688				ND	
47 Chlorobromomethane	128		6.022				ND	
50 Chloroform	83	6.198	6.180	0.018	83	1686	0.3063	
$ 51 Dibromofluoromethane (Surr)	113	6.405	6.405	0.000	93	154764	49.5	
52 1,1,1-Trichloroethane	97		6.412				ND	
54 Carbon tetrachloride	117		6.631				ND	
$ 57 1,2-Dichloroethane-d4 (Surr)	102	6.868	6.862	0.006	100	36588	49.3	
58 Benzene	78		6.898				ND	
59 1,2-Dichloroethane	62		6.971				ND	
* 62 Fluorobenzene (IS)	96	7.312	7.312	0.000	99	591621	50.0	
65 Trichloroethene	95		7.799				ND	
69 1,2-Dichloropropane	63		8.127				ND	
75 Dichlorobromomethane	83		8.486				ND	
78 cis-1,3-Dichloropropene	75		9.052				ND	
79 4-Methyl-2-pentanone (MIBK)	43		9.240				ND	
$ 80 Toluene-d8 (Surr)	98	9.386	9.380	0.006	93	578080	51.2	
81 Toluene	92		9.466				ND	
82 trans-1,3-Dichloropropene	75		9.739				ND	
101 1,1,2-Trichloroethane	97		9.952				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
117 Tetrachloroethene	166		10.043				ND	
123 2-Hexanone	43		10.183				ND	
126 Chlorodibromomethane	129		10.342				ND	
127 Ethylene Dibromide	107		10.451				ND	
* 129 Chlorobenzene-d5 (IS)	117	10.907	10.901	0.006	84	439649	50.0	
131 Chlorobenzene	112		10.932				ND	
132 1,1,1,2-Tetrachloroethane	131		11.017				ND	
133 Ethylbenzene	91		11.023				ND	
134 m-Xylene & p-Xylene	106		11.145				ND	
S 135 Xylenes, Total	106		11.245				ND	7
136 o-Xylene	106		11.479				ND	
138 Styrene	104		11.491				ND	
139 Bromoform	173		11.650				ND	
$ 143 4-Bromofluorobenzene (Surr)	95	11.929	11.929	0.000	94	208571	48.8	
144 1,1,2,2-Tetrachloroethane	83		12.033				ND	
* 160 1,4-Dichlorobenzene-d4	152	12.817	12.818	-0.001	94	269042	50.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

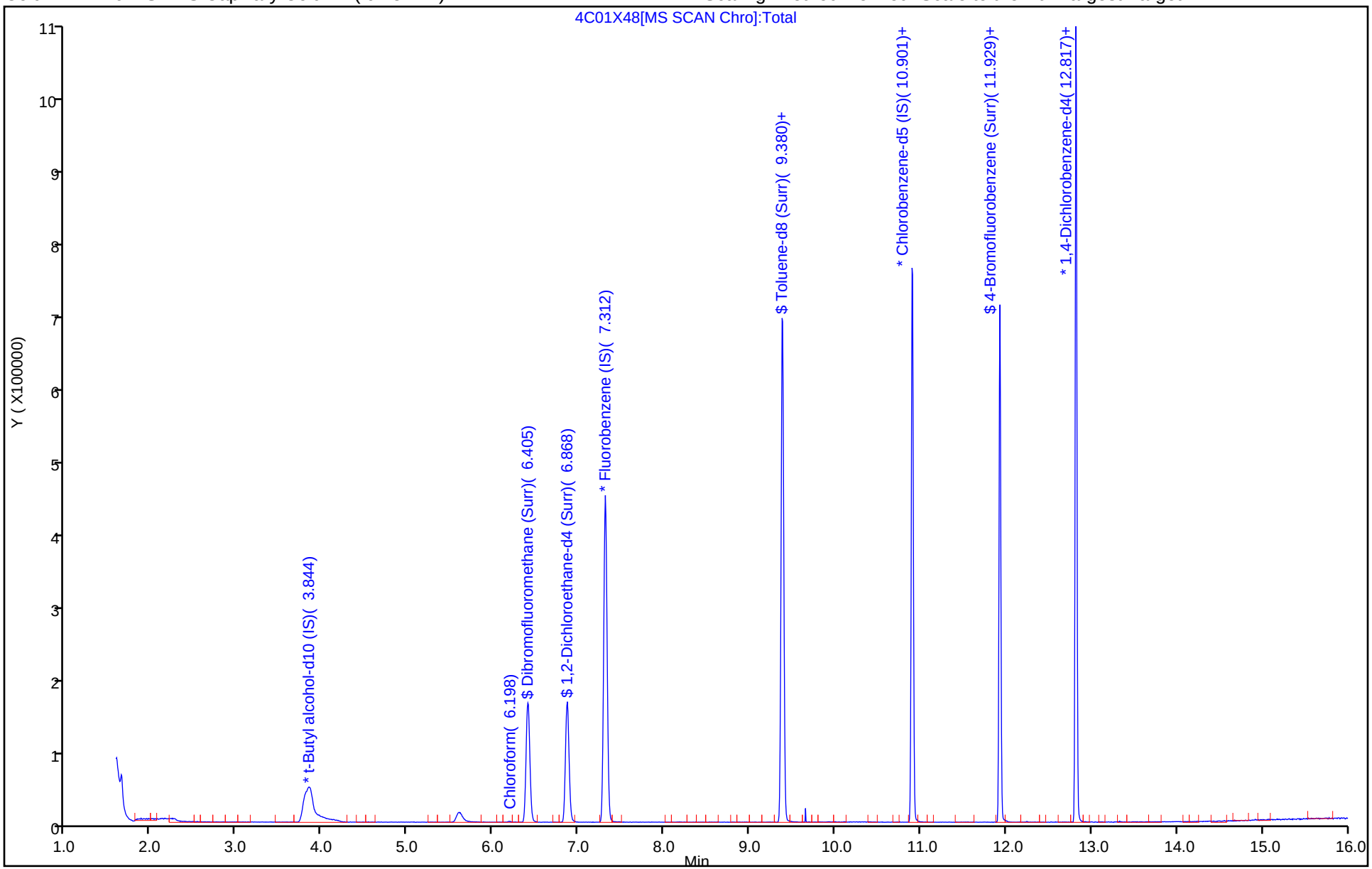
MSV_HP04_ISSS_00003 Amount Added: 1.00 Units: uL Run Reagent

Report Date: 03-Oct-2024 06:49:46 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\23297\20241001-126519.b\4C01X48.D				
Injection Date:	02-Oct-2024 03:55:30	Instrument ID:	23297	Operator ID:	AGD105956
Lims ID:	410-190105-A-6	Lab Sample ID:	410-190105-6	Worklist Smp#:	19
Client ID:	HD-MW-168-0/1-0				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	MSVoa_23297	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\23297\20241001-126519.b\4C01X48.D				
Lims ID:	410-190105-A-6				
Client ID:	HD-MW-168-0/1-0				
Sample Type:	Client				
Inject. Date:	02-Oct-2024 03:55:30	ALS Bottle#:	18	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0126519-019				
Operator ID:	AGD105956	Instrument ID:	23297		
Method:	\\chromfs\Lancaster\ChromData\23297\20241001-126519.b\MSVoa_23297.m				
Limit Group:	MSV - 8260C_D				
Last Update:	03-Oct-2024 06:49:45	Calib Date:	17-Sep-2024 18:24:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\23297\20240917-125144.b\4S17X17.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1652				

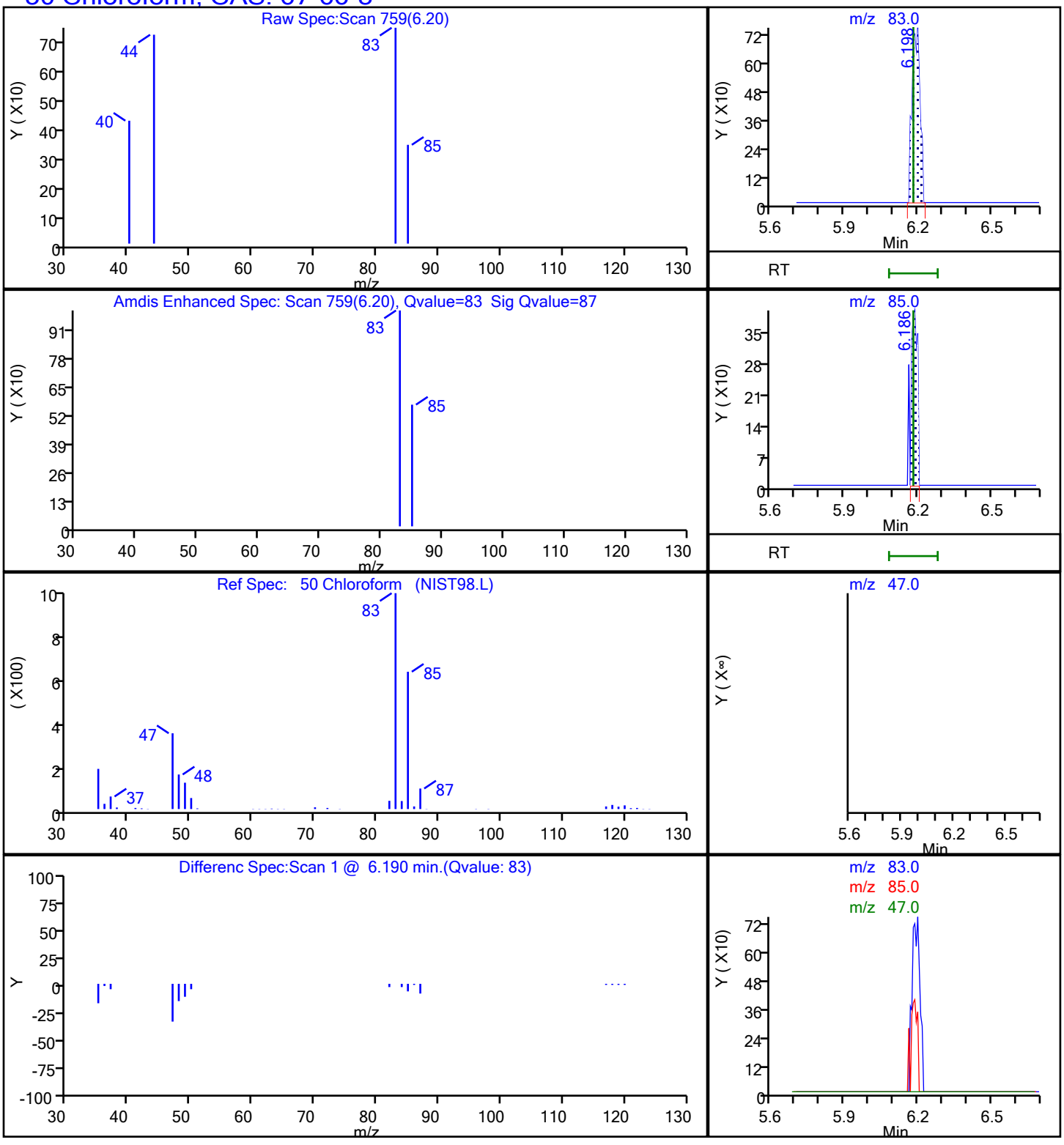
First Level Reviewer: FQ4L Date: 03-Oct-2024 06:49:45

Compound	Amount Added	Amount Recovered	% Rec.
$ 51 Dibromofluoromethane (Surr)	50.0	49.5	99.06
$ 57 1,2-Dichloroethane-d4 (Surr)	50.0	49.3	98.64
$ 80 Toluene-d8 (Surr)	50.0	51.2	102.39
$ 143 4-Bromofluorobenzene (Surr)	50.0	48.8	97.70

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\23297\20241001-126519.b\4C01X48.D				
Injection Date:	02-Oct-2024 03:55:30	Instrument ID:	23297		
Lims ID:	410-190105-A-6	Lab Sample ID:	410-190105-6		
Client ID:	HD-MW-168-0/1-0				
Operator ID:	AGD105956	ALS Bottle#:	18	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

50 Chloroform, CAS: 67-66-3



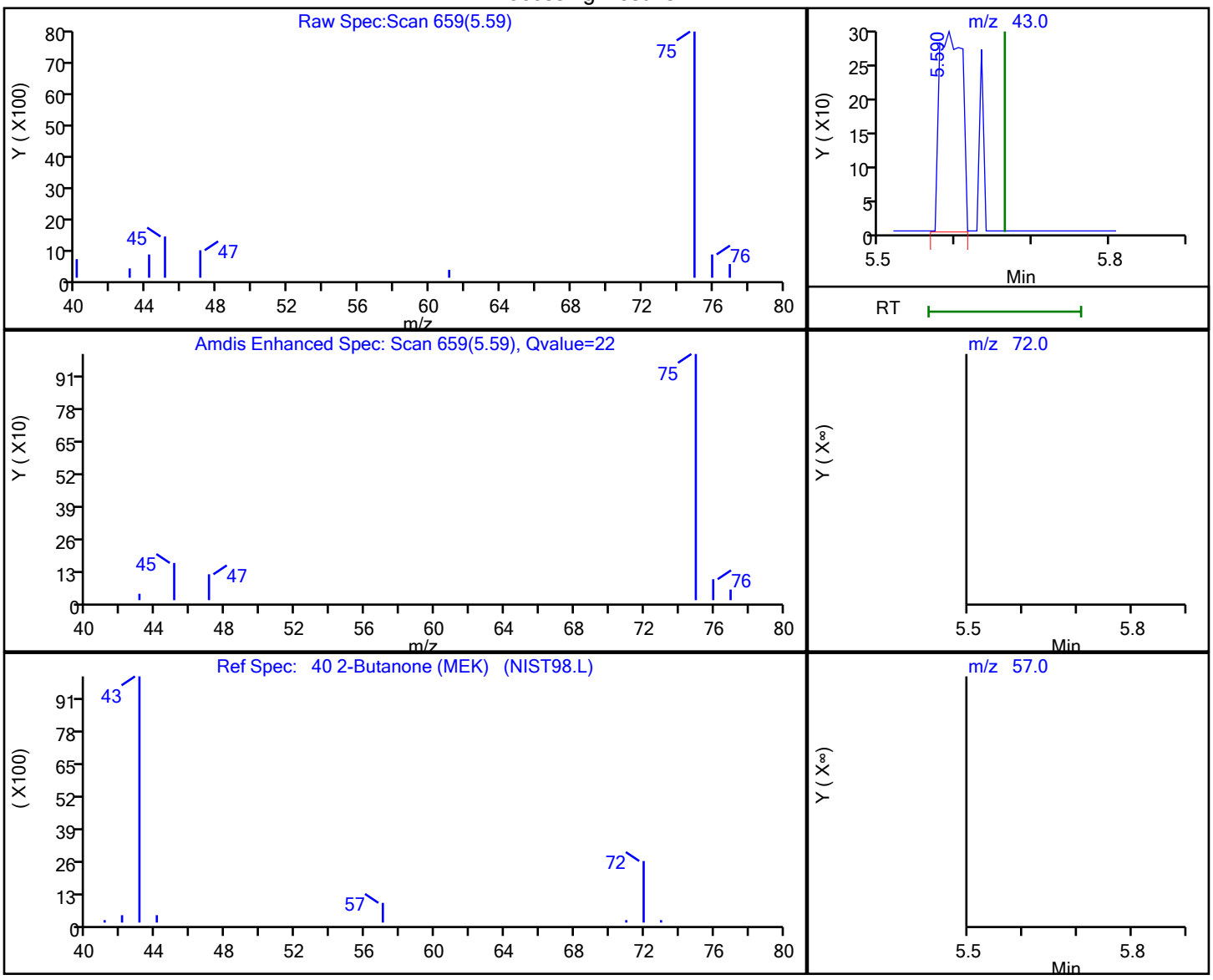
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\23297\20241001-126519.b\4C01X48.D				
Injection Date:	02-Oct-2024 03:55:30	Instrument ID:	23297		
Lims ID:	410-190105-A-6	Lab Sample ID:	410-190105-6		
Client ID:	HD-MW-168-0/1-0				
Operator ID:	AGD105956	ALS Bottle#:	18	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

40 2-Butanone (MEK), CAS: 78-93-3

Processing Results



RT	Mass	Response	Amount
5.59	43.00	612	0.190640
5.66	72.00	0	
5.66	57.00	0	

Reviewer: FQ4L, 03-Oct-2024 06:49:34 07:00:00 (UTC)

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-190105-1

SDG No.:

Client Sample ID: HD-QC1-0/1-3
Lab Sample ID: 410-190105-7

Matrix: Water
Lab File ID: WC03X12.D

Analysis Method: 8260D
Date Collected: 09/26/2024 15:00

Sample wt/vol: 5(mL)
Date Analyzed: 10/03/2024 13:07

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 558854
Units: ug/L

Preparation Batch No.:
Instrument ID: 9137

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.30
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.30
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.30
75-34-3	1,1-Dichloroethane	ND		1.0	0.30
75-35-4	1,1-Dichloroethene	ND		1.0	0.30
106-93-4	1,2-Dibromoethane (EDB)	ND		1.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.30
78-87-5	1,2-Dichloropropane	ND		1.0	0.30
78-93-3	2-Butanone (MEK)	ND		10	0.50
591-78-6	2-Hexanone	ND		10	0.85
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	0.50
67-64-1	Acetone	ND		20	0.70
71-43-2	Benzene	ND		1.0	0.30
74-97-5	Bromochloromethane	ND		5.0	0.20
75-27-4	Bromodichloromethane	ND		1.0	0.20
75-25-2	Bromoform	ND		4.0	1.0
74-83-9	Bromomethane	ND		1.0	0.30
75-15-0	Carbon disulfide	ND		5.0	0.30
56-23-5	Carbon tetrachloride	ND		1.0	0.30
108-90-7	Chlorobenzene	ND		1.0	0.30
75-00-3	Chloroethane	ND		1.0	0.30
67-66-3	Chloroform	ND		1.0	0.30
74-87-3	Chloromethane	ND		2.0	0.55
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.20
124-48-1	Dibromochloromethane	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.40
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.20
75-09-2	Methylene Chloride	ND		1.0	0.30
100-42-5	Styrene	ND		5.0	0.30
127-18-4	Tetrachloroethene	ND		1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-190105-1

SDG No.:

Client Sample ID: HD-QC1-0/1-3
Lab Sample ID: 410-190105-7

Matrix: Water
Lab File ID: WC03X12.D

Analysis Method: 8260D
Date Collected: 09/26/2024 15:00

Sample wt/vol: 5(mL)
Date Analyzed: 10/03/2024 13:07

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 558854
Units: ug/L

Preparation Batch No.:
Instrument ID: 9137

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	0.45	J	1.0	0.30
156-60-5	trans-1,2-Dichloroethene	ND		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.20
79-01-6	Trichloroethene	ND		1.0	0.30
75-01-4	Vinyl chloride	ND		1.0	0.30
1330-20-7	Xylenes, Total	ND		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		80-120
460-00-4	4-Bromofluorobenzene (Surr)	99		80-120
1868-53-7	Dibromofluoromethane (Surr)	103		80-120
2037-26-5	Toluene-d8 (Surr)	100		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9137\20241003-126695.b\WC03X12.D
Lims ID: 410-190105-A-7
Client ID: HD-QC1-0/1-3
Sample Type: Client
Inject. Date: 03-Oct-2024 13:07:30 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0126695-013
Operator ID: knk41612 Instrument ID: 9137

Method: \\chromfs\Lancaster\ChromData\9137\20241003-126695.b\MSVoa_9137.m
Limit Group: MSV - 8260C_D
Last Update: 04-Oct-2024 07:36:08 Calib Date: 01-Oct-2024 00:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9137\20240930-126367.b\WS30X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1625

First Level Reviewer: FQ4L Date: 04-Oct-2024 07:36:08

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
7 Chloromethane	50		2.220				ND	7
8 Vinyl chloride	62		2.341				ND	
11 Bromomethane	94		2.698				ND	
12 Chloroethane	64		2.781				ND	
21 1,1-Dichloroethene	96		3.699				ND	
20 Acetone	58		3.725				ND	
26 Carbon disulfide	76		4.020				ND	7
30 Methylene Chloride	84		4.398				ND	
* 32 t-Butyl alcohol-d10 (IS)	65	4.421	4.434	-0.013	1	256983	250.0	
36 Methyl tert-butyl ether	73		4.799				ND	
35 trans-1,2-Dichloroethene	96		4.803				ND	
38 1,1-Dichloroethane	63		5.470				ND	
44 2-Butanone (MEK)	43		6.285				ND	U
43 cis-1,2-Dichloroethene	96		6.304				ND	
50 Chlorobromomethane	128		6.635				ND	
52 Chloroform	83		6.786				ND	
$ 54 Dibromofluoromethane (Surr)	113	7.001	7.004	-0.003	92	205703	51.4	
55 1,1,1-Trichloroethane	97		7.017				ND	
58 Carbon tetrachloride	117		7.219				ND	
$ 60 1,2-Dichloroethane-d4 (Surr)	102	7.457	7.463	-0.006	69	52428	50.3	
61 Benzene	78		7.492				ND	7
62 1,2-Dichloroethane	62		7.566				ND	
* 65 Fluorobenzene (IS)	96	7.893	7.896	-0.003	99	832406	50.0	
68 Trichloroethene	95		8.374				ND	
71 1,2-Dichloropropane	63		8.714				ND	
77 Dichlorobromomethane	83		9.055				ND	
81 cis-1,3-Dichloropropene	75		9.590				ND	
83 4-Methyl-2-pentanone (MIBK)	43		9.764				ND	7
$ 84 Toluene-d8 (Surr)	98	9.886	9.892	-0.006	93	830005	50.0	
85 Toluene	92	9.969	9.966	0.003	95	4998	0.4536	
86 trans-1,3-Dichloropropene	75		10.216				ND	
88 1,1,2-Trichloroethane	97		10.422				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
90 Tetrachloroethene	166		10.502				ND	
94 2-Hexanone	43		10.633				ND	7
96 Chlorodibromomethane	129		10.791				ND	
98 Ethylene Dibromide	107		10.900				ND	
S 178 Xylenes, Total	106				0		0.2595	
* 101 Chlorobenzene-d5 (IS)	117	11.326	11.326	0.000	84	628454	50.0	
102 Chlorobenzene	112		11.352				ND	7
104 1,1,1,2-Tetrachloroethane	131		11.432				ND	
105 Ethylbenzene	91		11.436				ND	7
106 m-Xylene & p-Xylene	106	11.545	11.551	-0.006	94	2272	0.2595	
108 o-Xylene	106		11.878				ND	7
109 Styrene	104		11.894				ND	7
110 Bromoform	173		12.048				ND	
$ 114 4-Bromofluorobenzene (Surr)	95	12.318	12.318	0.000	89	308776	49.5	
116 1,1,2,2-Tetrachloroethane	83		12.421				ND	
* 133 1,4-Dichlorobenzene-d4	152	13.197	13.197	0.000	95	357225	50.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSV_Cent_ISSS_00030 Amount Added: 5.00 Units: uL Run Reagent

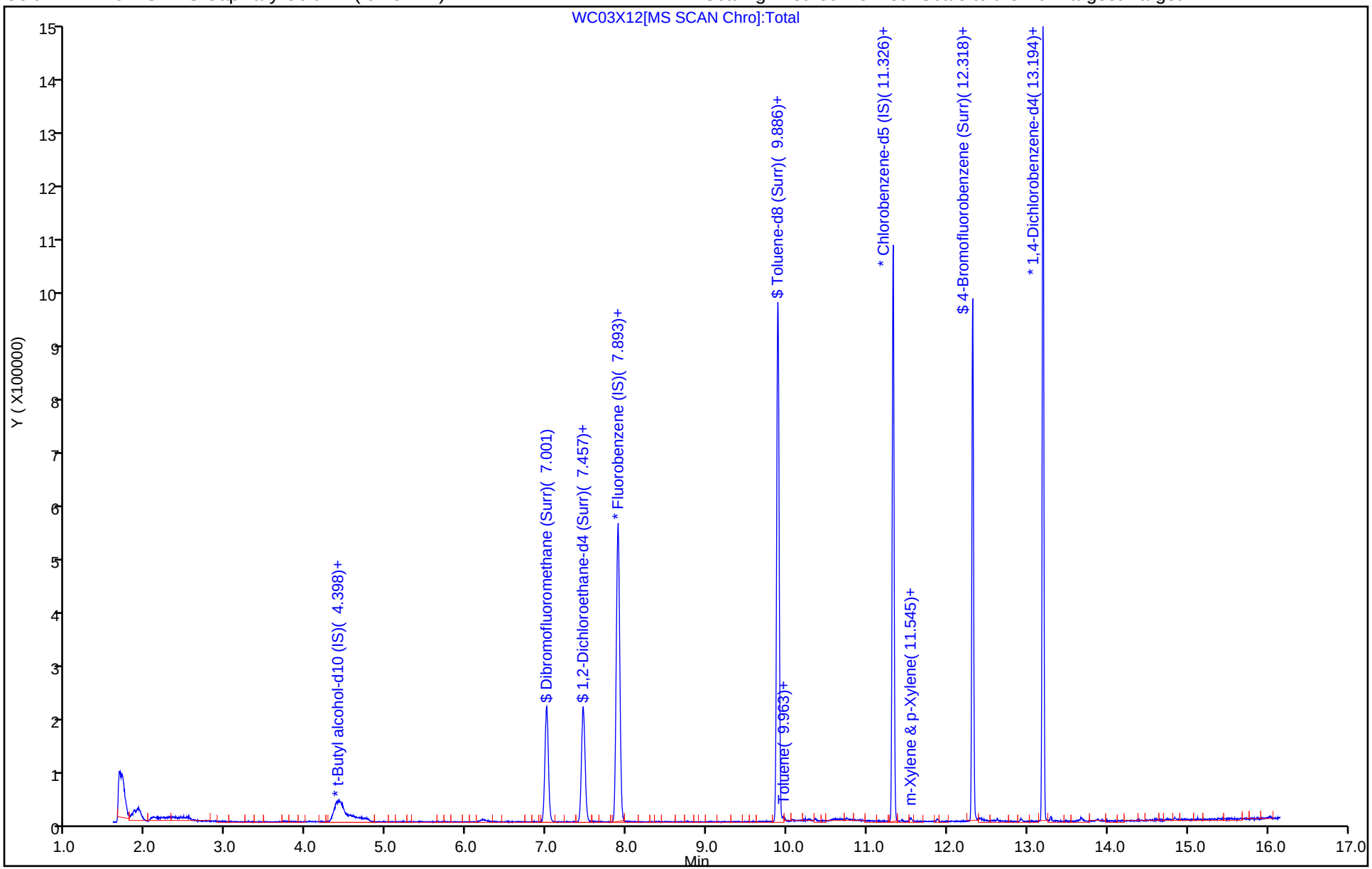
Report Date: 04-Oct-2024 07:36:09 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9137\20241003-126695.b\WC03X12.D

Injection Date:	03-Oct-2024 13:07:30	Instrument ID:	9137	Operator ID:	knk41612
Lims ID:	410-190105-A-7	Lab Sample ID:	410-190105-7	Worklist Smp#:	13
Client ID:	HD-QC1-0/1-3				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	MSVoa_9137	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\9137\20241003-126695.b\WC03X12.D				
Lims ID:	410-190105-A-7				
Client ID:	HD-QC1-0/1-3				
Sample Type:	Client				
Inject. Date:	03-Oct-2024 13:07:30	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0126695-013				
Operator ID:	knk41612	Instrument ID:	9137		
Method:	\\chromfs\Lancaster\ChromData\9137\20241003-126695.b\MSVoa_9137.m				
Limit Group:	MSV - 8260C_D				
Last Update:	04-Oct-2024 07:36:08	Calib Date:	01-Oct-2024 00:40:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9137\20240930-126367.b\WS30X17.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1625				

First Level Reviewer: FQ4L Date: 04-Oct-2024 07:36:08

Compound	Amount Added	Amount Recovered	% Rec.
$ 54 Dibromofluoromethane (Surr)	50.0	51.4	102.90
$ 60 1,2-Dichloroethane-d4 (Surr)	50.0	50.3	100.52
$ 84 Toluene-d8 (Surr)	50.0	50.0	100.03
$ 114 4-Bromofluorobenzene (Surr)	50.0	49.5	99.00

Report Date: 04-Oct-2024 07:36:09 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9137\20241003-126695.b\WC03X12.D

Injection Date: 03-Oct-2024 13:07:30 Instrument ID: 9137

Lims ID: 410-190105-A-7 Lab Sample ID: 410-190105-7

Client ID: HD-QC1-0/1-3

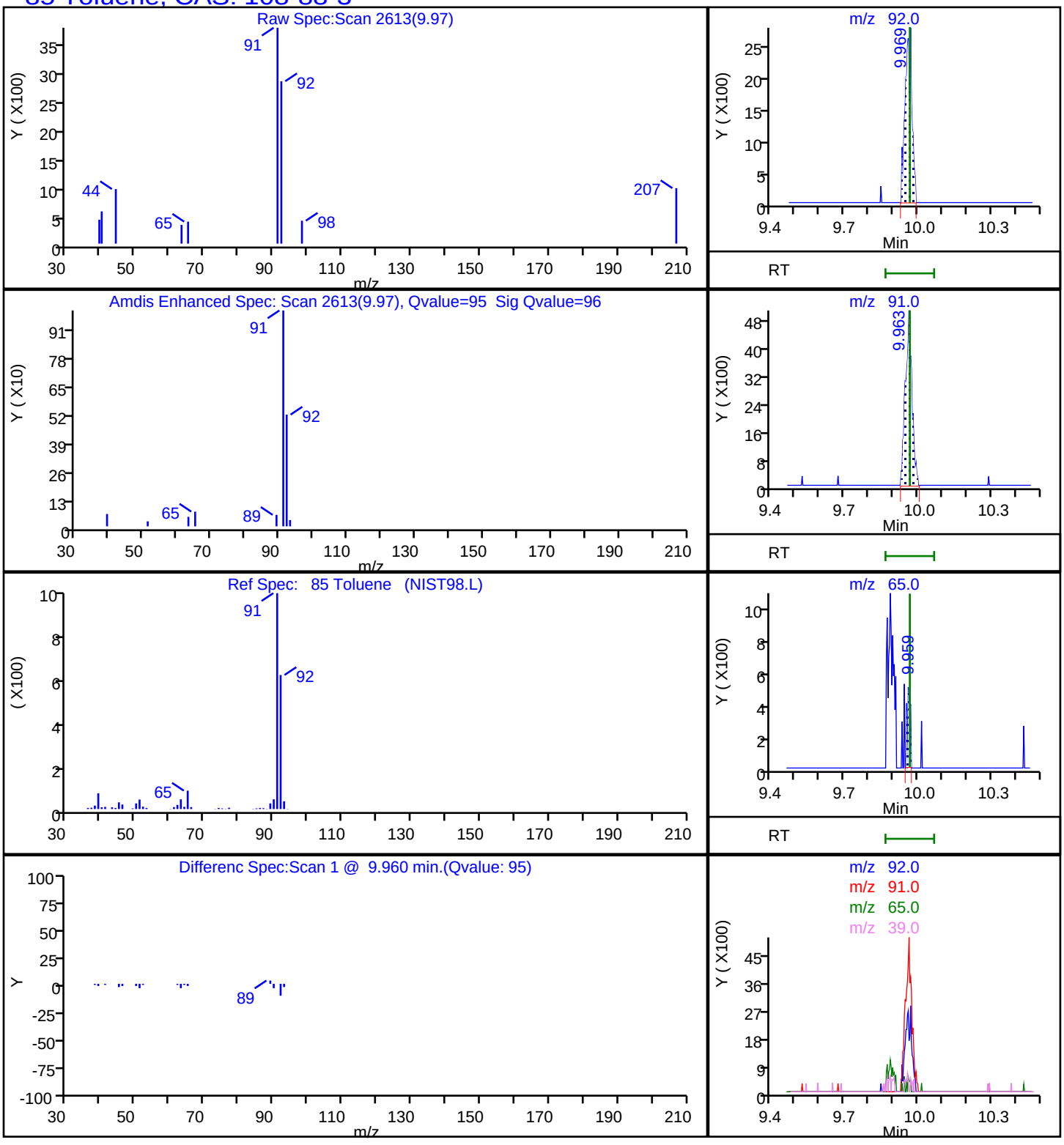
Operator ID: knk41612 ALS Bottle#: 12 Worklist Smp#: 13

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: MSVoa_9137 Limit Group: MSV - 8260C_D

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

85 Toluene, CAS: 108-88-3



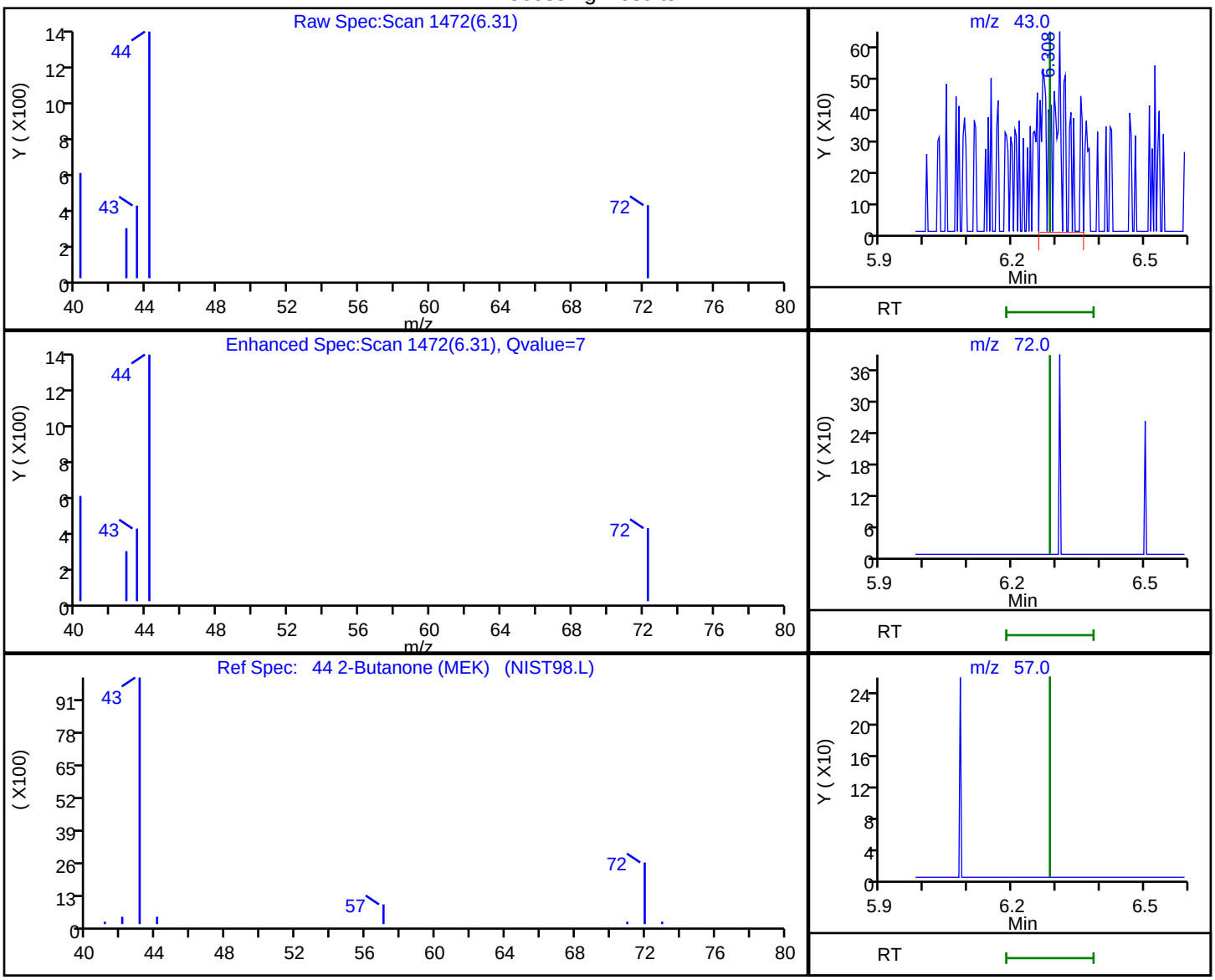
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\9137\20241003-126695.b\WC03X12.D				
Injection Date:	03-Oct-2024 13:07:30	Instrument ID:	9137		
Lims ID:	410-190105-A-7	Lab Sample ID:	410-190105-7		
Client ID:	HD-QC1-0/1-3				
Operator ID:	knk41612	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9137	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

44 2-Butanone (MEK), CAS: 78-93-3

Processing Results



RT	Mass	Response	Amount
6.31	43.00	1652	0.416854
6.29	72.00	0	
6.29	57.00	0	

Reviewer: FQ4L, 04-Oct-2024 07:35:54 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.: 410-190105-1

SDG No.:

Client Sample ID: HD-QC1-0/1-4
Lab Sample ID: 410-190105-8

Matrix: Water
Lab File ID: 4C01X38.D

Analysis Method: 8260D
Date Collected: 09/26/2024 15:05

Sample wt/vol: 5(mL)
Date Analyzed: 10/02/2024 00:10

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 558100
Units: ug/L

Preparation Batch No.:
Instrument ID: 23297

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.30
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.30
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.30
75-34-3	1,1-Dichloroethane	ND		1.0	0.30
75-35-4	1,1-Dichloroethene	ND		1.0	0.30
106-93-4	1,2-Dibromoethane (EDB)	ND		1.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.30
78-87-5	1,2-Dichloropropane	ND		1.0	0.30
78-93-3	2-Butanone (MEK)	ND		10	0.50
591-78-6	2-Hexanone	ND		10	0.85
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	0.50
67-64-1	Acetone	ND		20	0.70
71-43-2	Benzene	ND		1.0	0.30
74-97-5	Bromochloromethane	ND		5.0	0.20
75-27-4	Bromodichloromethane	ND		1.0	0.20
75-25-2	Bromoform	ND		4.0	1.0
74-83-9	Bromomethane	ND		1.0	0.30
75-15-0	Carbon disulfide	ND		5.0	0.30
56-23-5	Carbon tetrachloride	ND		1.0	0.30
108-90-7	Chlorobenzene	ND		1.0	0.30
75-00-3	Chloroethane	ND		1.0	0.30
67-66-3	Chloroform	ND		1.0	0.30
74-87-3	Chloromethane	ND		2.0	0.55
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.20
124-48-1	Dibromochloromethane	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.40
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.20
75-09-2	Methylene Chloride	ND		1.0	0.30
100-42-5	Styrene	ND		5.0	0.30
127-18-4	Tetrachloroethene	ND		1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-190105-1

SDG No.:

Client Sample ID: HD-QC1-0/1-4
Lab Sample ID: 410-190105-8

Matrix: Water
Lab File ID: 4C01X38.D

Analysis Method: 8260D
Date Collected: 09/26/2024 15:05

Sample wt/vol: 5(mL)
Date Analyzed: 10/02/2024 00:10

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 558100
Units: ug/L

Preparation Batch No.:
Instrument ID: 23297

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	0.47	J	1.0	0.30
156-60-5	trans-1,2-Dichloroethene	ND		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.20
79-01-6	Trichloroethene	ND		1.0	0.30
75-01-4	Vinyl chloride	ND		1.0	0.30
1330-20-7	Xylenes, Total	ND		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		80-120
460-00-4	4-Bromofluorobenzene (Surr)	97		80-120
1868-53-7	Dibromofluoromethane (Surr)	99		80-120
2037-26-5	Toluene-d8 (Surr)	102		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\23297\20241001-126519.b\4C01X38.D
Lims ID: 410-190105-A-8
Client ID: HD-QC1-0/1-4
Sample Type: Client
Inject. Date: 02-Oct-2024 00:10:30 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0126519-009
Operator ID: AGD105956 Instrument ID: 23297

Method: \\chromfs\Lancaster\ChromData\23297\20241001-126519.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 02-Oct-2024 12:10:44 Calib Date: 17-Sep-2024 18:24:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20240917-125144.b\4S17X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1678

First Level Reviewer: FQ4L Date: 02-Oct-2024 12:11:04

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
4 Chloromethane	50		1.958				ND	
5 Vinyl chloride	62		2.062				ND	
8 Bromomethane	94		2.372				ND	7
9 Chloroethane	64		2.445				ND	
18 1,1-Dichloroethene	96		3.218				ND	
17 Acetone	58		3.224				ND	
22 Carbon disulfide	76		3.504				ND	
27 Methylene Chloride	84		3.820				ND	
* 28 t-Butyl alcohol-d10 (IS)	65	3.850	3.856	-0.006	94	249124	250.0	
31 Methyl tert-butyl ether	73		4.179				ND	
32 trans-1,2-Dichloroethene	96		4.179				ND	
36 1,1-Dichloroethane	63		4.842				ND	
40 2-Butanone (MEK)	43		5.663				ND	
41 cis-1,2-Dichloroethene	96		5.688				ND	
47 Chlorobromomethane	128		6.022				ND	
50 Chloroform	83		6.180				ND	
$ 51 Dibromofluoromethane (Surr)	113	6.399	6.405	-0.006	94	155921	49.4	
52 1,1,1-Trichloroethane	97		6.412				ND	
54 Carbon tetrachloride	117		6.631				ND	
$ 57 1,2-Dichloroethane-d4 (Surr)	102	6.862	6.862	0.000	99	37173	49.6	
58 Benzene	78		6.898				ND	7
59 1,2-Dichloroethane	62		6.971				ND	
* 62 Fluorobenzene (IS)	96	7.312	7.312	0.000	99	597217	50.0	
65 Trichloroethene	95		7.799				ND	
69 1,2-Dichloropropane	63		8.127				ND	
75 Dichlorobromomethane	83		8.486				ND	
78 cis-1,3-Dichloropropene	75		9.052				ND	
79 4-Methyl-2-pentanone (MIBK)	43		9.240				ND	
$ 80 Toluene-d8 (Surr)	98	9.380	9.380	0.000	93	588782	51.2	
81 Toluene	92	9.465	9.466	-0.001	98	3528	0.4699	
82 trans-1,3-Dichloropropene	75		9.739				ND	
101 1,1,2-Trichloroethane	97		9.952				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
117 Tetrachloroethene	166		10.043				ND	
123 2-Hexanone	43		10.183				ND	
126 Chlorodibromomethane	129		10.342				ND	
127 Ethylene Dibromide	107		10.451				ND	
* 129 Chlorobenzene-d5 (IS)	117	10.901	10.901	0.000	84	447675	50.0	
131 Chlorobenzene	112		10.932				ND	
132 1,1,1,2-Tetrachloroethane	131		11.017				ND	
133 Ethylbenzene	91		11.023				ND	7
134 m-Xylene & p-Xylene	106		11.145				ND	7
S 135 Xylenes, Total	106		11.245				ND	7
136 o-Xylene	106		11.479				ND	7
138 Styrene	104		11.491				ND	
139 Bromoform	173		11.650				ND	
$ 143 4-Bromofluorobenzene (Surr)	95	11.929	11.929	0.000	93	210655	48.5	
144 1,1,2,2-Tetrachloroethane	83		12.033				ND	
* 160 1,4-Dichlorobenzene-d4	152	12.817	12.818	-0.001	94	270620	50.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

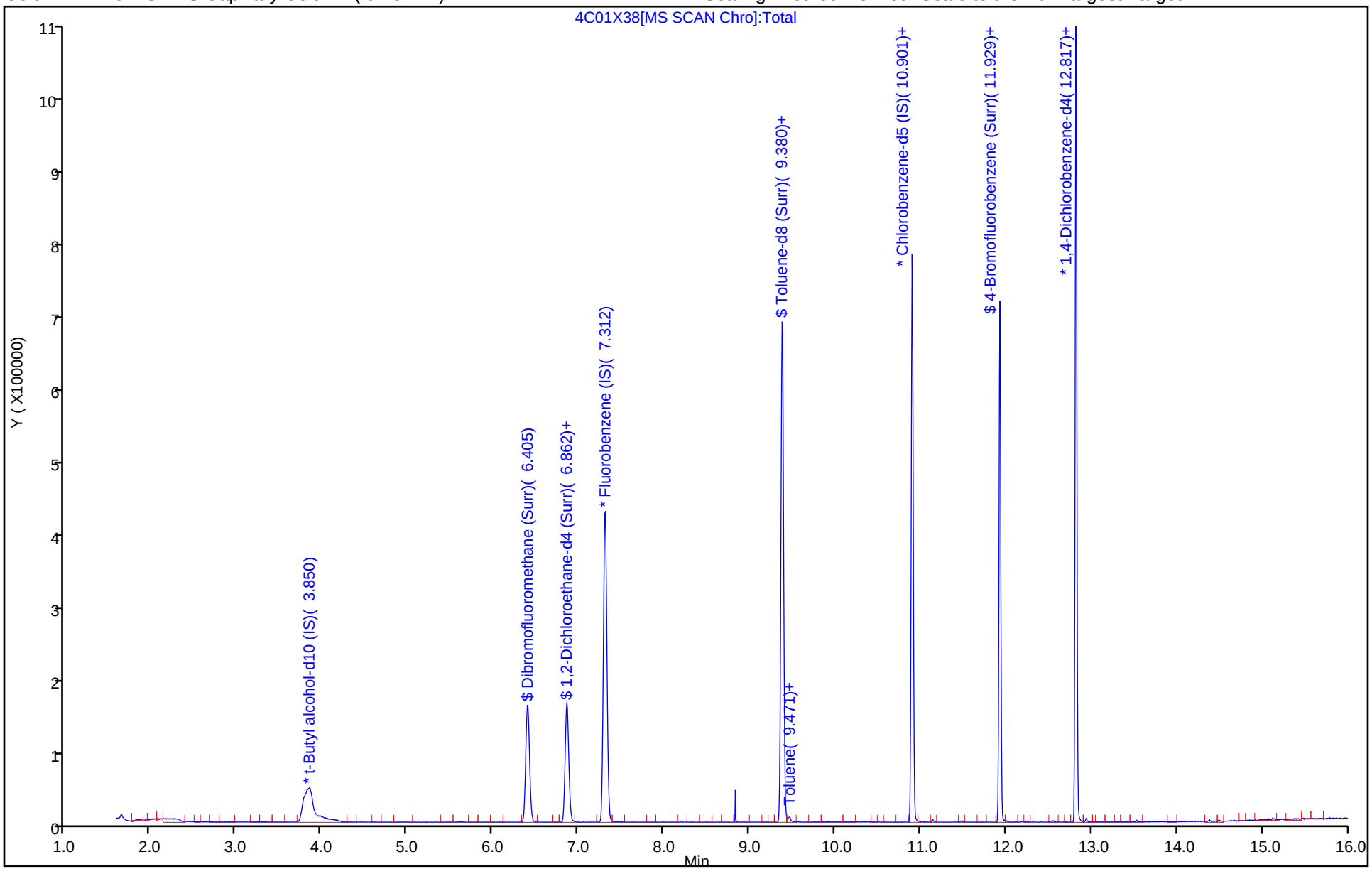
MSV_HP04_ISSS_00003 Amount Added: 1.00 Units: uL Run Reagent

Report Date: 02-Oct-2024 12:11:05 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\23297\20241001-126519.b\4C01X38.D				
Injection Date:	02-Oct-2024 00:10:30	Instrument ID:	23297	Operator ID:	AGD105956
Lims ID:	410-190105-A-8	Lab Sample ID:	410-190105-8	Worklist Smp#:	9
Client ID:	HD-QC1-0/1-4				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	MSVoa_23297	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\23297\20241001-126519.b\4C01X38.D
Lims ID: 410-190105-A-8
Client ID: HD-QC1-0/1-4
Sample Type: Client
Inject. Date: 02-Oct-2024 00:10:30 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0126519-009
Operator ID: AGD105956 Instrument ID: 23297

Method: \\chromfs\Lancaster\ChromData\23297\20241001-126519.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 02-Oct-2024 12:10:44 Calib Date: 17-Sep-2024 18:24:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20240917-125144.b\4S17X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1678

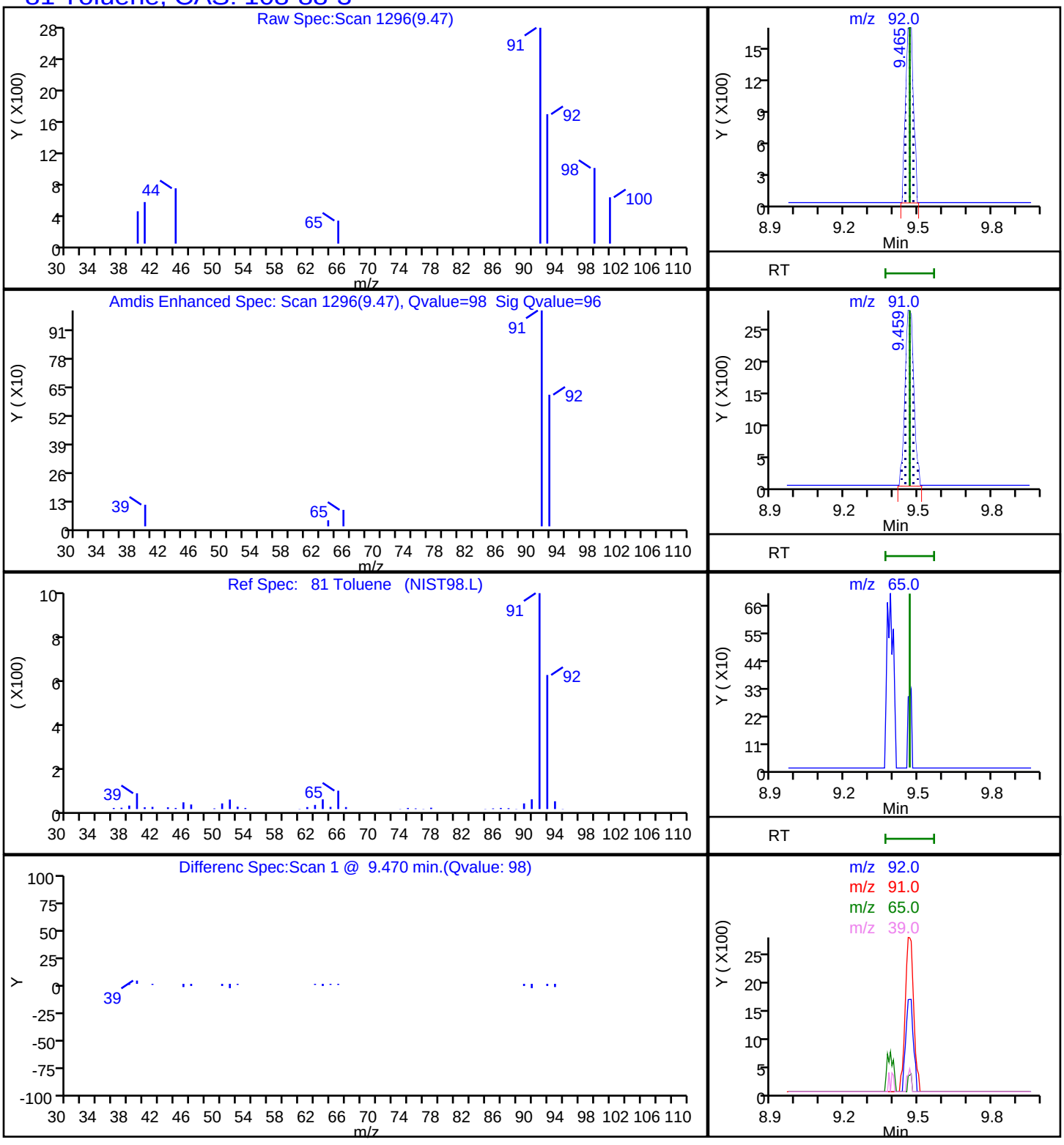
First Level Reviewer: FQ4L Date: 02-Oct-2024 12:11:04

Compound	Amount Added	Amount Recovered	% Rec.
$ 51 Dibromofluoromethane (Surr)	50.0	49.4	98.87
$ 57 1,2-Dichloroethane-d4 (Surr)	50.0	49.6	99.28
$ 80 Toluene-d8 (Surr)	50.0	51.2	102.42
$ 143 4-Bromofluorobenzene (Surr)	50.0	48.5	96.91

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\23297\20241001-126519.b\4C01X38.D				
Injection Date:	02-Oct-2024 00:10:30	Instrument ID:	23297		
Lims ID:	410-190105-A-8	Lab Sample ID:	410-190105-8		
Client ID:	HD-QC1-0/1-4				
Operator ID:	AGD105956	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

81 Toluene, CAS: 108-88-3



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-190105-1

SDG No.:

Client Sample ID: HD-MW-6-0/1-0
Lab Sample ID: 410-190105-9

Matrix: Water
Lab File ID: 4C01X49.D

Analysis Method: 8260D
Date Collected: 09/26/2024 09:07

Sample wt/vol: 5(mL)
Date Analyzed: 10/02/2024 04:18

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 558100
Units: ug/L

Preparation Batch No.:
Instrument ID: 23297

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.30
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.30
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.30
75-34-3	1,1-Dichloroethane	ND		1.0	0.30
75-35-4	1,1-Dichloroethene	ND		1.0	0.30
106-93-4	1,2-Dibromoethane (EDB)	ND		1.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.30
78-87-5	1,2-Dichloropropane	ND		1.0	0.30
78-93-3	2-Butanone (MEK)	ND		10	0.50
591-78-6	2-Hexanone	ND		10	0.85
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	0.50
67-64-1	Acetone	ND		20	0.70
71-43-2	Benzene	ND		1.0	0.30
74-97-5	Bromochloromethane	ND		5.0	0.20
75-27-4	Bromodichloromethane	ND		1.0	0.20
75-25-2	Bromoform	ND		4.0	1.0
74-83-9	Bromomethane	ND		1.0	0.30
75-15-0	Carbon disulfide	ND		5.0	0.30
56-23-5	Carbon tetrachloride	ND		1.0	0.30
108-90-7	Chlorobenzene	ND		1.0	0.30
75-00-3	Chloroethane	ND		1.0	0.30
67-66-3	Chloroform	ND		1.0	0.30
74-87-3	Chloromethane	ND		2.0	0.55
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.20
124-48-1	Dibromochloromethane	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.40
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.20
75-09-2	Methylene Chloride	ND		1.0	0.30
100-42-5	Styrene	ND		5.0	0.30
127-18-4	Tetrachloroethene	ND		1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-190105-1

SDG No.:

Client Sample ID: HD-MW-6-0/1-0
Lab Sample ID: 410-190105-9

Matrix: Water
Lab File ID: 4C01X49.D

Analysis Method: 8260D
Date Collected: 09/26/2024 09:07

Sample wt/vol: 5(mL)
Date Analyzed: 10/02/2024 04:18

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 558100
Units: ug/L

Preparation Batch No.:
Instrument ID: 23297

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		1.0	0.30
156-60-5	trans-1,2-Dichloroethene	ND		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.20
79-01-6	Trichloroethene	ND		1.0	0.30
75-01-4	Vinyl chloride	ND		1.0	0.30
1330-20-7	Xylenes, Total	ND		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		80-120
460-00-4	4-Bromofluorobenzene (Surr)	97		80-120
1868-53-7	Dibromofluoromethane (Surr)	101		80-120
2037-26-5	Toluene-d8 (Surr)	102		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\23297\20241001-126519.b\4C01X49.D
Lims ID: 410-190105-A-9
Client ID: HD-MW-6-0/1-0
Sample Type: Client
Inject. Date: 02-Oct-2024 04:18:30 ALS Bottle#: 19 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0126519-020
Operator ID: AGD105956 Instrument ID: 23297

Method: \\chromfs\Lancaster\ChromData\23297\20241001-126519.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 03-Oct-2024 06:49:45 Calib Date: 17-Sep-2024 18:24:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20240917-125144.b\4S17X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1652

First Level Reviewer: FQ4L Date: 03-Oct-2024 06:53:07

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
4 Chloromethane	50		1.958				ND	
5 Vinyl chloride	62		2.062				ND	
8 Bromomethane	94		2.372				ND	7
9 Chloroethane	64		2.445				ND	
18 1,1-Dichloroethene	96		3.218				ND	
17 Acetone	58		3.224				ND	
22 Carbon disulfide	76		3.504				ND	
27 Methylene Chloride	84		3.820				ND	
* 28 t-Butyl alcohol-d10 (IS)	65	3.844	3.856	-0.012	94	250401	250.0	
31 Methyl tert-butyl ether	73		4.179				ND	
32 trans-1,2-Dichloroethene	96		4.179				ND	
36 1,1-Dichloroethane	63		4.842				ND	
40 2-Butanone (MEK)	43		5.663				ND	
41 cis-1,2-Dichloroethene	96		5.688				ND	
47 Chlorobromomethane	128		6.022				ND	
50 Chloroform	83		6.180				ND	
$ 51 Dibromofluoromethane (Surr)	113	6.405	6.405	0.000	93	157630	50.6	
52 1,1,1-Trichloroethane	97		6.412				ND	
54 Carbon tetrachloride	117		6.631				ND	
$ 57 1,2-Dichloroethane-d4 (Surr)	102	6.868	6.862	0.006	99	37877	51.2	
58 Benzene	78		6.898				ND	
59 1,2-Dichloroethane	62		6.971				ND	
* 62 Fluorobenzene (IS)	96	7.312	7.312	0.000	99	590126	50.0	
65 Trichloroethene	95		7.799				ND	
69 1,2-Dichloropropane	63		8.127				ND	
75 Dichlorobromomethane	83		8.486				ND	
78 cis-1,3-Dichloropropene	75		9.052				ND	
79 4-Methyl-2-pentanone (MIBK)	43		9.240				ND	
$ 80 Toluene-d8 (Surr)	98	9.386	9.380	0.006	93	580081	51.0	
81 Toluene	92		9.466				ND	
82 trans-1,3-Dichloropropene	75		9.739				ND	
101 1,1,2-Trichloroethane	97		9.952				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
117 Tetrachloroethene	166		10.043				ND	
123 2-Hexanone	43		10.183				ND	
126 Chlorodibromomethane	129		10.342				ND	
127 Ethylene Dibromide	107		10.451				ND	
* 129 Chlorobenzene-d5 (IS)	117	10.901	10.901	0.000	84	443101	50.0	
131 Chlorobenzene	112		10.932				ND	
132 1,1,1,2-Tetrachloroethane	131		11.017				ND	
133 Ethylbenzene	91		11.023				ND	
134 m-Xylene & p-Xylene	106		11.145				ND	
S 135 Xylenes, Total	106		11.245				ND	7
136 o-Xylene	106		11.479				ND	
138 Styrene	104		11.491				ND	
139 Bromoform	173		11.650				ND	
$ 143 4-Bromofluorobenzene (Surr)	95	11.929	11.929	0.000	94	208202	48.4	
144 1,1,2,2-Tetrachloroethane	83		12.033				ND	
* 160 1,4-Dichlorobenzene-d4	152	12.818	12.818	0.000	93	266653	50.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

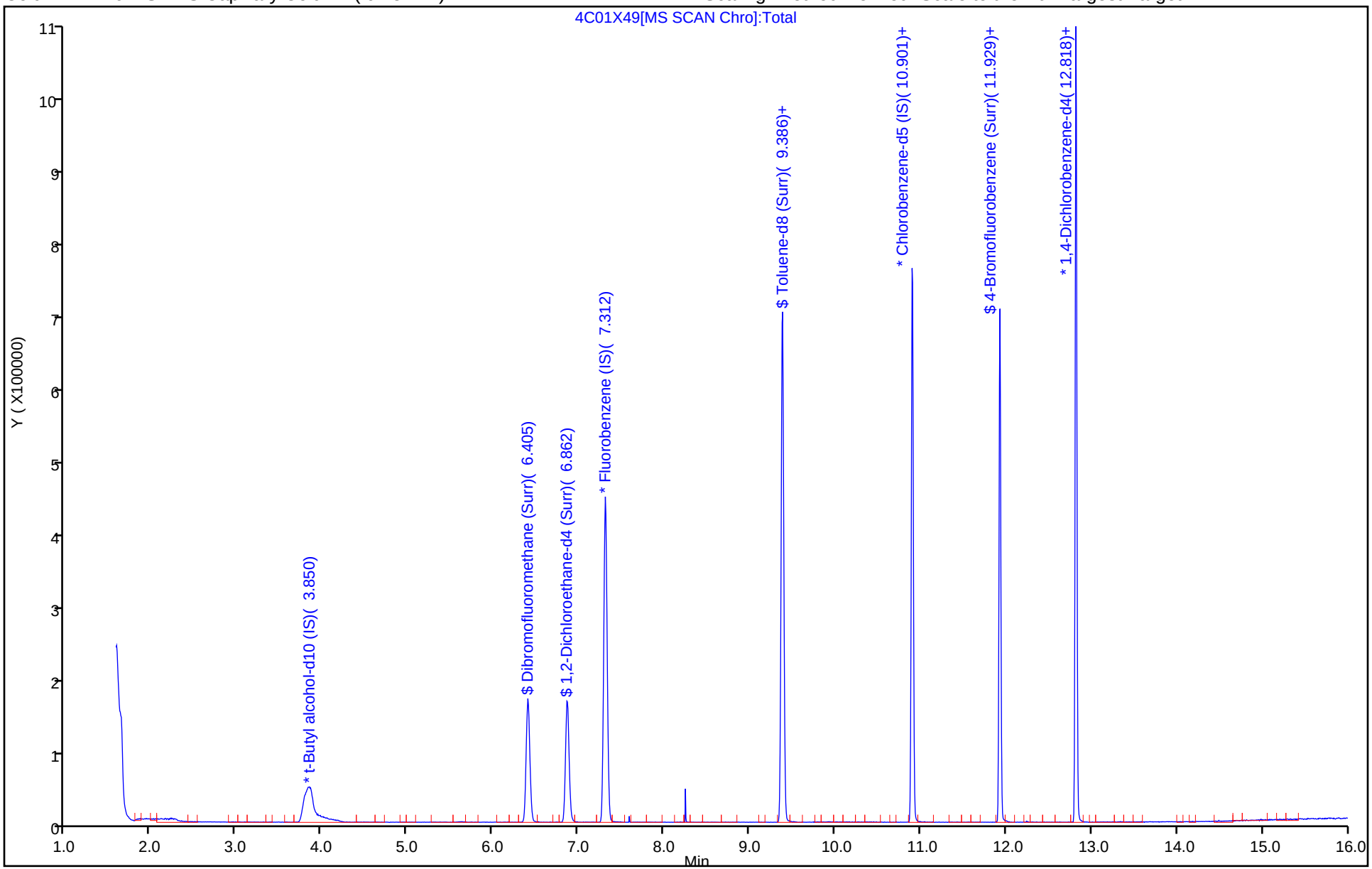
MSV_HP04_ISSS_00003 Amount Added: 1.00 Units: uL Run Reagent

Report Date: 03-Oct-2024 06:53:07 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\23297\20241001-126519.b\4C01X49.D				
Injection Date:	02-Oct-2024 04:18:30	Instrument ID:	23297	Operator ID:	AGD105956
Lims ID:	410-190105-A-9	Lab Sample ID:	410-190105-9	Worklist Smp#:	20
Client ID:	HD-MW-6-0/1-0				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	19
Method:	MSVoa_23297	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\23297\20241001-126519.b\4C01X49.D				
Lims ID:	410-190105-A-9				
Client ID:	HD-MW-6-0/1-0				
Sample Type:	Client				
Inject. Date:	02-Oct-2024 04:18:30	ALS Bottle#:	19	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0126519-020				
Operator ID:	AGD105956	Instrument ID:	23297		
Method:	\\chromfs\Lancaster\ChromData\23297\20241001-126519.b\MSVoa_23297.m				
Limit Group:	MSV - 8260C_D				
Last Update:	03-Oct-2024 06:49:45	Calib Date:	17-Sep-2024 18:24:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\23297\20240917-125144.b\4S17X17.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1652				

First Level Reviewer: FQ4L Date: 03-Oct-2024 06:53:07

Compound	Amount Added	Amount Recovered	% Rec.
$ 51 Dibromofluoromethane (Surr)	50.0	50.6	101.16
$ 57 1,2-Dichloroethane-d4 (Surr)	50.0	51.2	102.38
$ 80 Toluene-d8 (Surr)	50.0	51.0	101.95
$ 143 4-Bromofluorobenzene (Surr)	50.0	48.4	96.77

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-190105-1

SDG No.:

Client Sample ID: HD-MW-101S-0/1-0
Lab Sample ID: 410-190105-10

Matrix: Water
Lab File ID: 4C01X50.D

Analysis Method: 8260D
Date Collected: 09/26/2024 10:32

Sample wt/vol: 5(mL)
Date Analyzed: 10/02/2024 04:40

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 558100
Units: ug/L

Preparation Batch No.:
Instrument ID: 23297

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.30
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.30
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.30
75-34-3	1,1-Dichloroethane	ND		1.0	0.30
75-35-4	1,1-Dichloroethene	ND		1.0	0.30
106-93-4	1,2-Dibromoethane (EDB)	ND		1.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.30
78-87-5	1,2-Dichloropropane	ND		1.0	0.30
78-93-3	2-Butanone (MEK)	ND		10	0.50
591-78-6	2-Hexanone	ND		10	0.85
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	0.50
67-64-1	Acetone	ND		20	0.70
71-43-2	Benzene	ND		1.0	0.30
74-97-5	Bromochloromethane	ND		5.0	0.20
75-27-4	Bromodichloromethane	ND		1.0	0.20
75-25-2	Bromoform	ND		4.0	1.0
74-83-9	Bromomethane	ND		1.0	0.30
75-15-0	Carbon disulfide	ND		5.0	0.30
56-23-5	Carbon tetrachloride	ND		1.0	0.30
108-90-7	Chlorobenzene	ND		1.0	0.30
75-00-3	Chloroethane	ND		1.0	0.30
67-66-3	Chloroform	ND		1.0	0.30
74-87-3	Chloromethane	ND		2.0	0.55
156-59-2	cis-1,2-Dichloroethene	0.42	J	1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.20
124-48-1	Dibromochloromethane	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.40
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.20
75-09-2	Methylene Chloride	ND		1.0	0.30
100-42-5	Styrene	ND		5.0	0.30
127-18-4	Tetrachloroethene	3.7		1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-190105-1

SDG No.:

Client Sample ID: HD-MW-101S-0/1-0
Lab Sample ID: 410-190105-10

Matrix: Water
Lab File ID: 4C01X50.D

Analysis Method: 8260D
Date Collected: 09/26/2024 10:32

Sample wt/vol: 5(mL)
Date Analyzed: 10/02/2024 04:40

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 558100
Units: ug/L

Preparation Batch No.:
Instrument ID: 23297

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		1.0	0.30
156-60-5	trans-1,2-Dichloroethene	ND		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.20
79-01-6	Trichloroethene	0.63	J	1.0	0.30
75-01-4	Vinyl chloride	ND		1.0	0.30
1330-20-7	Xylenes, Total	ND		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		80-120
460-00-4	4-Bromofluorobenzene (Surr)	97		80-120
1868-53-7	Dibromofluoromethane (Surr)	98		80-120
2037-26-5	Toluene-d8 (Surr)	102		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\23297\20241001-126519.b\4C01X50.D
Lims ID: 410-190105-A-10
Client ID: HD-MW-101S-0/1-0
Sample Type: Client
Inject. Date: 02-Oct-2024 04:40:30 ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0126519-021
Operator ID: AGD105956 Instrument ID: 23297

Method: \\chromfs\Lancaster\ChromData\23297\20241001-126519.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 03-Oct-2024 06:54:43 Calib Date: 17-Sep-2024 18:24:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20240917-125144.b\4S17X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1652

First Level Reviewer: FQ4L Date: 03-Oct-2024 06:54:43

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
4 Chloromethane	50		1.958				ND	
5 Vinyl chloride	62		2.062				ND	
8 Bromomethane	94		2.372				ND	7
9 Chloroethane	64		2.445				ND	
18 1,1-Dichloroethene	96		3.218				ND	
17 Acetone	58		3.224				ND	
22 Carbon disulfide	76		3.504				ND	
27 Methylene Chloride	84		3.820				ND	
* 28 t-Butyl alcohol-d10 (IS)	65	3.850	3.856	-0.006	94	240574	250.0	
31 Methyl tert-butyl ether	73		4.179				ND	
32 trans-1,2-Dichloroethene	96		4.179				ND	
36 1,1-Dichloroethane	63		4.842				ND	
40 2-Butanone (MEK)	43		5.663				ND	
41 cis-1,2-Dichloroethene	96	5.712	5.688	0.024	71	1457	0.4159	M
47 Chlorobromomethane	128		6.022				ND	
50 Chloroform	83		6.180				ND	7
$ 51 Dibromofluoromethane (Surr)	113	6.406	6.405	0.001	93	150844	49.2	
52 1,1,1-Trichloroethane	97		6.412				ND	7
54 Carbon tetrachloride	117		6.631				ND	
$ 57 1,2-Dichloroethane-d4 (Surr)	102	6.862	6.862	0.000	99	35914	49.3	
58 Benzene	78		6.898				ND	
59 1,2-Dichloroethane	62		6.971				ND	
* 62 Fluorobenzene (IS)	96	7.312	7.312	0.000	99	580749	50.0	
65 Trichloroethene	95	7.799	7.799	0.000	89	2053	0.6341	
69 1,2-Dichloropropane	63		8.127				ND	
75 Dichlorobromomethane	83		8.486				ND	
78 cis-1,3-Dichloropropene	75		9.052				ND	
79 4-Methyl-2-pentanone (MIBK)	43		9.240				ND	
$ 80 Toluene-d8 (Surr)	98	9.387	9.380	0.007	93	562334	51.0	
81 Toluene	92		9.466				ND	
82 trans-1,3-Dichloropropene	75		9.739				ND	
101 1,1,2-Trichloroethane	97		9.952				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
117 Tetrachloroethene	166	10.044	10.043	0.001	95	12682	3.72	
123 2-Hexanone	43		10.183				ND	
126 Chlorodibromomethane	129		10.342				ND	
127 Ethylene Dibromide	107		10.451				ND	
* 129 Chlorobenzene-d5 (IS)	117	10.901	10.901	0.000	84	429532	50.0	
131 Chlorobenzene	112		10.932				ND	
132 1,1,1,2-Tetrachloroethane	131		11.017				ND	
133 Ethylbenzene	91		11.023				ND	
134 m-Xylene & p-Xylene	106		11.145				ND	
S 135 Xylenes, Total	106		11.245				ND	7
136 o-Xylene	106		11.479				ND	
138 Styrene	104		11.491				ND	
139 Bromoform	173		11.650				ND	
$ 143 4-Bromofluorobenzene (Surr)	95	11.929	11.929	0.000	93	201414	48.3	
144 1,1,2,2-Tetrachloroethane	83		12.033				ND	
* 160 1,4-Dichlorobenzene-d4	152	12.818	12.818	0.000	94	258243	50.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

Reagents:

MSV_HP04_ISSS_00003 Amount Added: 1.00 Units: uL Run Reagent

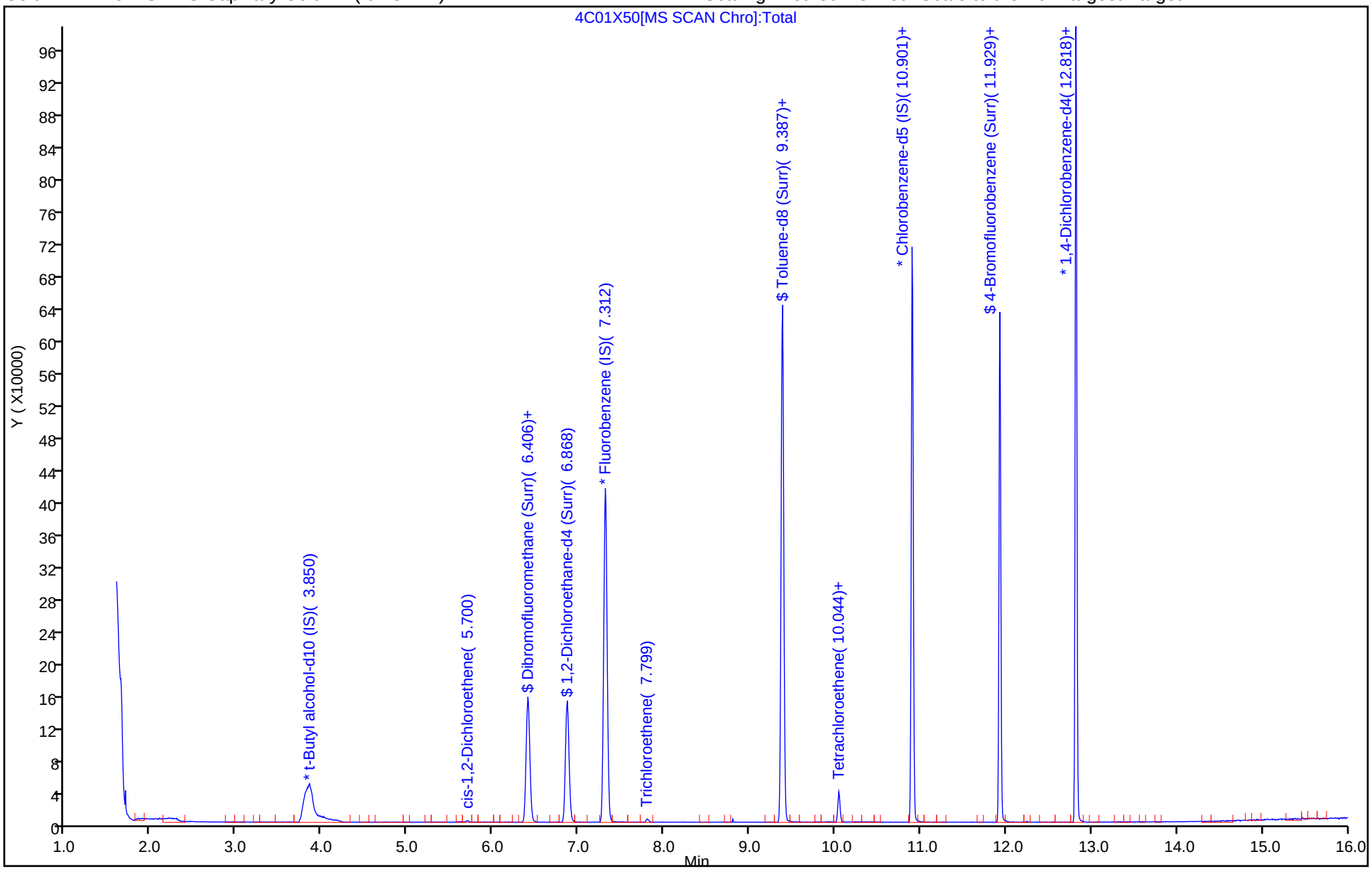
Report Date: 03-Oct-2024 06:54:44 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20241001-126519.b\4C01X50.D

Injection Date:	02-Oct-2024 04:40:30	Instrument ID:	23297	Operator ID:	AGD105956
Lims ID:	410-190105-A-10	Lab Sample ID:	410-190105-10	Worklist Smp#:	21
Client ID:	HD-MW-101S-0/1-0				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	20
Method:	MSVoa_23297	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\23297\20241001-126519.b\4C01X50.D				
Lims ID:	410-190105-A-10				
Client ID:	HD-MW-101S-0/1-0				
Sample Type:	Client				
Inject. Date:	02-Oct-2024 04:40:30	ALS Bottle#:	20	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0126519-021				
Operator ID:	AGD105956	Instrument ID:	23297		
Method:	\\chromfs\Lancaster\ChromData\23297\20241001-126519.b\MSVoa_23297.m				
Limit Group:	MSV - 8260C_D				
Last Update:	03-Oct-2024 06:54:43	Calib Date:	17-Sep-2024 18:24:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\23297\20240917-125144.b\4S17X17.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1652				

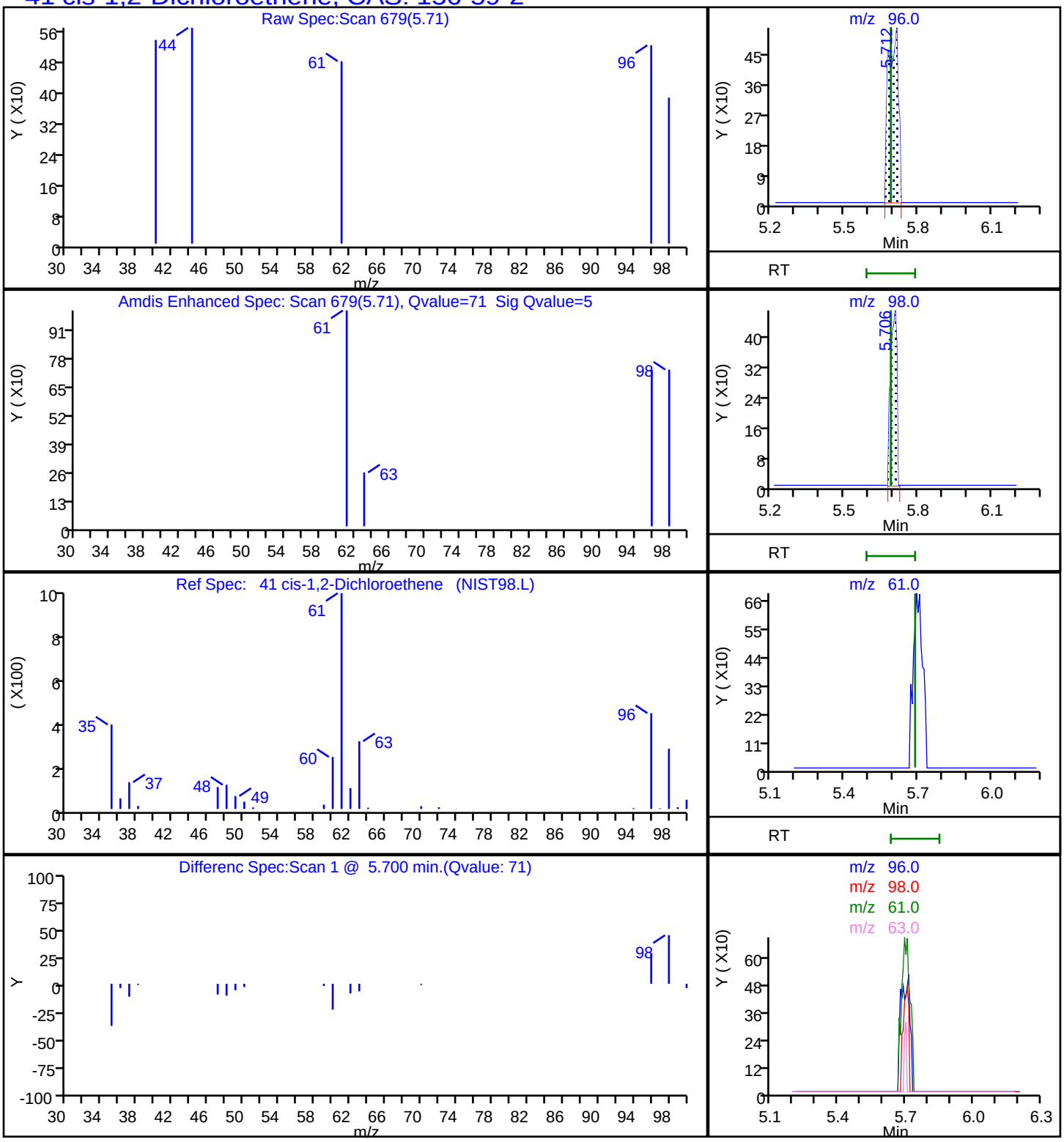
First Level Reviewer: FQ4L Date: 03-Oct-2024 06:54:43

Compound	Amount Added	Amount Recovered	% Rec.
$ 51 Dibromofluoromethane (Surr)	50.0	49.2	98.36
$ 57 1,2-Dichloroethane-d4 (Surr)	50.0	49.3	98.64
$ 80 Toluene-d8 (Surr)	50.0	51.0	101.95
$ 143 4-Bromofluorobenzene (Surr)	50.0	48.3	96.57

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\23297\20241001-126519.b\4C01X50.D				
Injection Date:	02-Oct-2024 04:40:30	Instrument ID:	23297		
Lims ID:	410-190105-A-10	Lab Sample ID:	410-190105-10		
Client ID:	HD-MW-101S-0/1-0				
Operator ID:	AGD105956	ALS Bottle#:	20	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

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

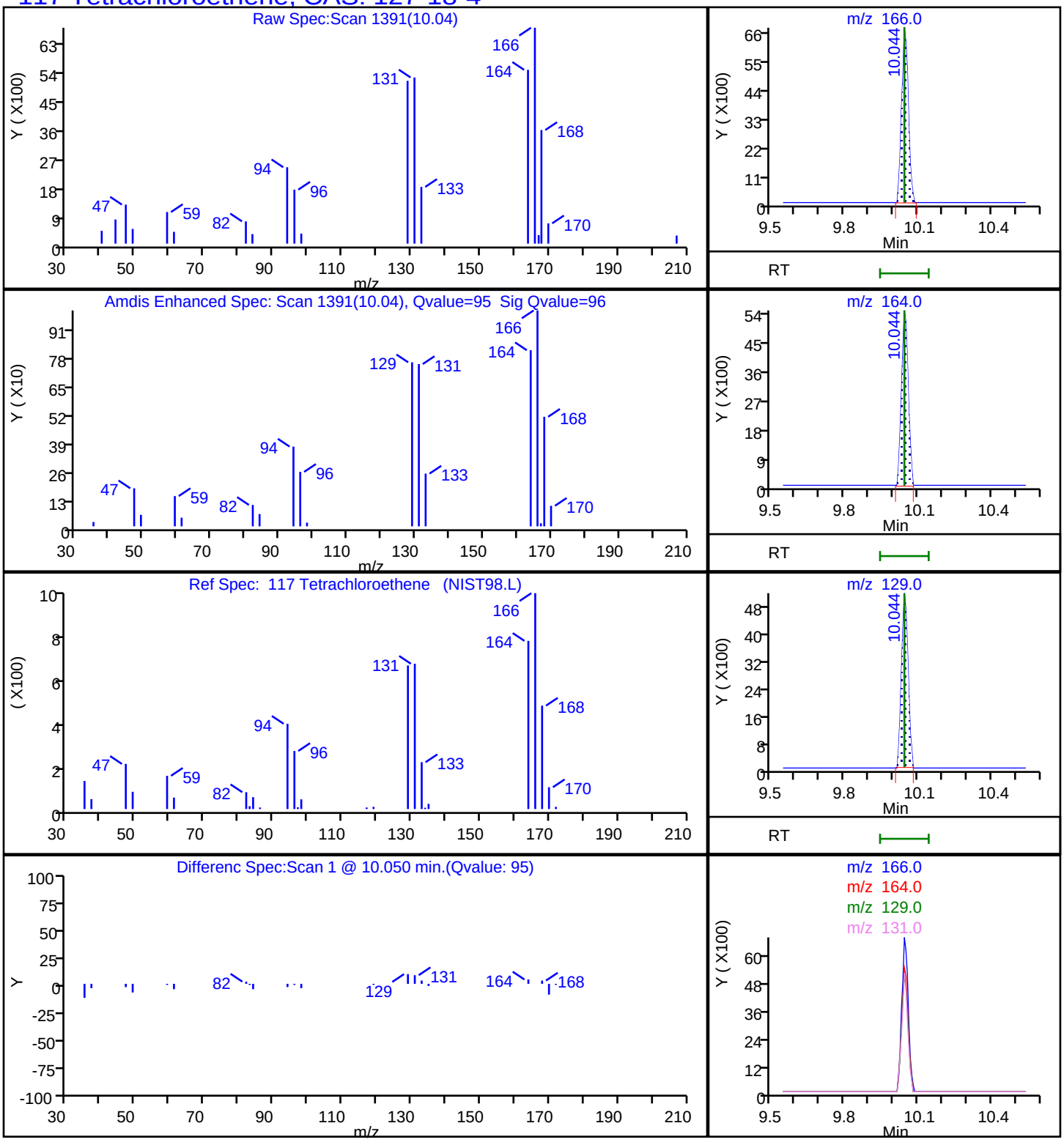


Report Date: 03-Oct-2024 06:54:44 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\23297\20241001-126519.b\4C01X50.D				
Injection Date:	02-Oct-2024 04:40:30	Instrument ID:	23297		
Lims ID:	410-190105-A-10	Lab Sample ID:	410-190105-10		
Client ID:	HD-MW-101S-0/1-0				
Operator ID:	AGD105956	ALS Bottle#:	20	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

117 Tetrachloroethene, CAS: 127-18-4

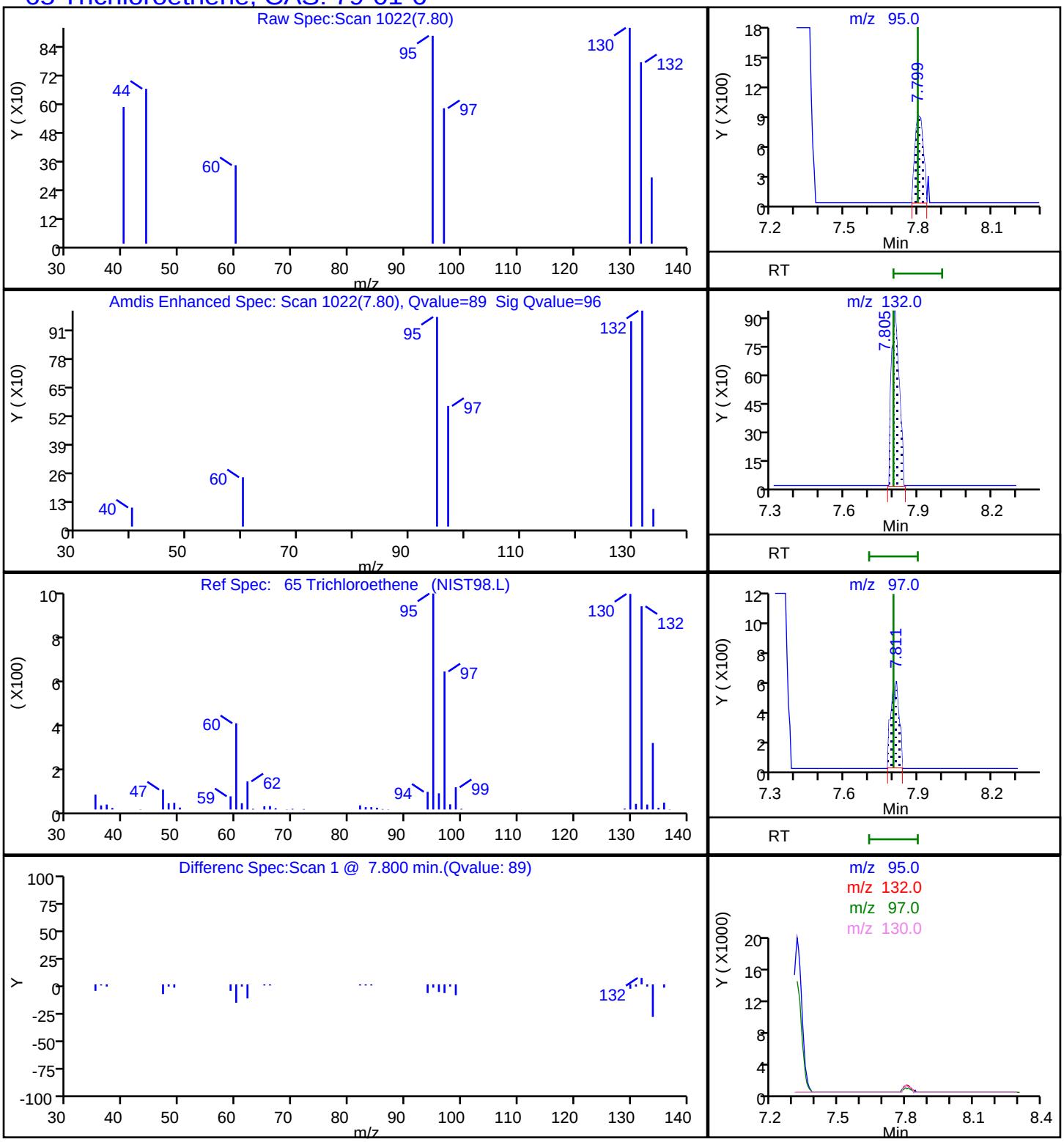


Report Date: 03-Oct-2024 06:54:44 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\23297\20241001-126519.b\4C01X50.D				
Injection Date:	02-Oct-2024 04:40:30	Instrument ID:	23297		
Lims ID:	410-190105-A-10	Lab Sample ID:	410-190105-10		
Client ID:	HD-MW-101S-0/1-0				
Operator ID:	AGD105956	ALS Bottle#:	20	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

65 Trichloroethene, CAS: 79-01-6



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

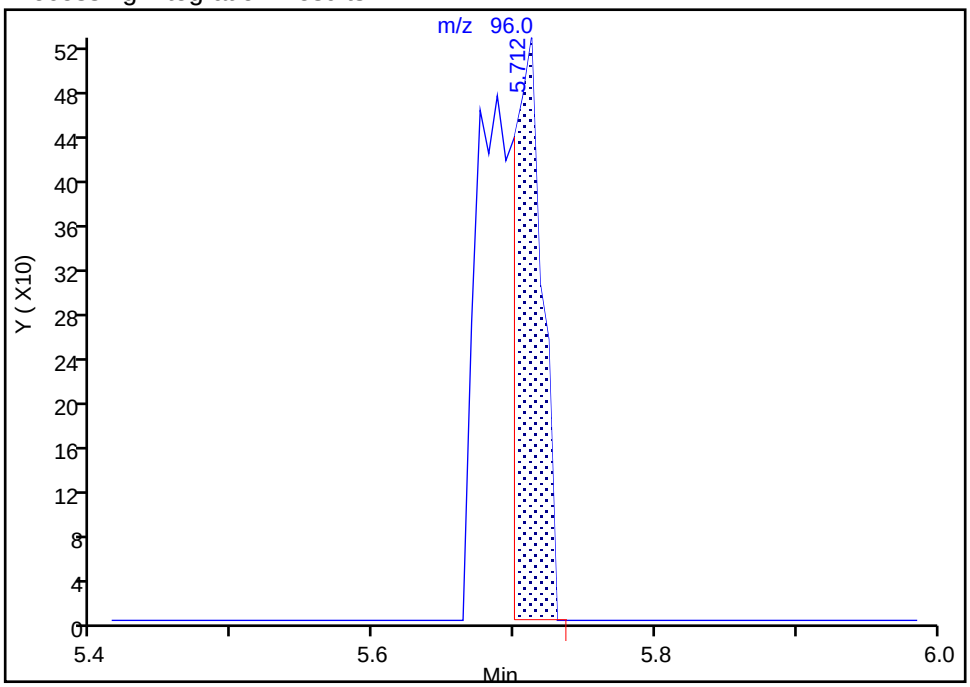
Data File:	\\chromfs\Lancaster\ChromData\23297\20241001-126519.b\4C01X50.D				
Injection Date:	02-Oct-2024 04:40:30	Instrument ID:	23297		
Lims ID:	410-190105-A-10	Lab Sample ID:	410-190105-10		
Client ID:	HD-MW-101S-0/1-0				
Operator ID:	AGD105956	ALS Bottle#:	20	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

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

Signal: 1

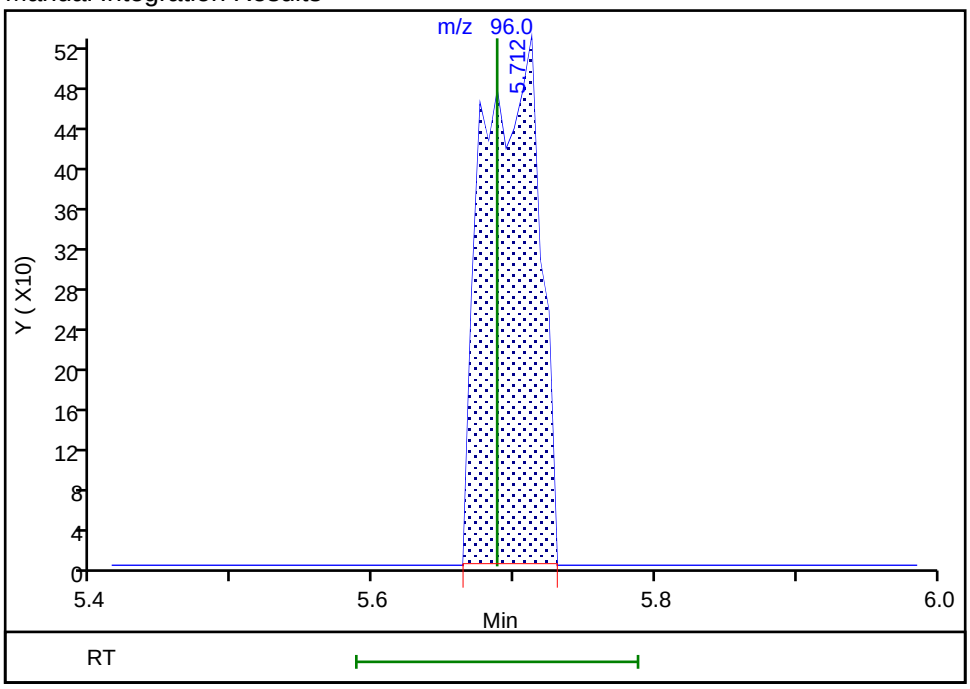
Processing Integration Results

RT: 5.71
Area: 722
Amount: 0.206109
Amount Units: ug/l



Manual Integration Results

RT: 5.71
Area: 1457
Amount: 0.415928
Amount Units: ug/l



Reviewer: FQ4L, 03-Oct-2024 06:54:19 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.: 410-190105-1

SDG No.:

Client Sample ID: HD-MW-101D-0/1-0
Lab Sample ID: 410-190105-11

Matrix: Water
Lab File ID: 4C01X51.D

Analysis Method: 8260D
Date Collected: 09/26/2024 13:15

Sample wt/vol: 5(mL)
Date Analyzed: 10/02/2024 05:03

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 558100
Units: ug/L

Preparation Batch No.:
Instrument ID: 23297

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.30
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.30
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.30
75-34-3	1,1-Dichloroethane	ND		1.0	0.30
75-35-4	1,1-Dichloroethene	ND		1.0	0.30
106-93-4	1,2-Dibromoethane (EDB)	ND		1.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.30
78-87-5	1,2-Dichloropropane	ND		1.0	0.30
78-93-3	2-Butanone (MEK)	ND		10	0.50
591-78-6	2-Hexanone	ND		10	0.85
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	0.50
67-64-1	Acetone	ND		20	0.70
71-43-2	Benzene	1.6		1.0	0.30
74-97-5	Bromochloromethane	ND		5.0	0.20
75-27-4	Bromodichloromethane	ND		1.0	0.20
75-25-2	Bromoform	ND		4.0	1.0
74-83-9	Bromomethane	ND		1.0	0.30
75-15-0	Carbon disulfide	ND		5.0	0.30
56-23-5	Carbon tetrachloride	ND		1.0	0.30
108-90-7	Chlorobenzene	ND		1.0	0.30
75-00-3	Chloroethane	ND		1.0	0.30
67-66-3	Chloroform	ND		1.0	0.30
74-87-3	Chloromethane	ND		2.0	0.55
156-59-2	cis-1,2-Dichloroethene	6.8		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.20
124-48-1	Dibromochloromethane	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.40
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.20
75-09-2	Methylene Chloride	ND		1.0	0.30
100-42-5	Styrene	ND		5.0	0.30
127-18-4	Tetrachloroethene	3.9		1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-190105-1

SDG No.:

Client Sample ID: HD-MW-101D-0/1-0
Lab Sample ID: 410-190105-11

Matrix: Water
Lab File ID: 4C01X51.D

Analysis Method: 8260D
Date Collected: 09/26/2024 13:15

Sample wt/vol: 5(mL)
Date Analyzed: 10/02/2024 05:03

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 558100
Units: ug/L

Preparation Batch No.:
Instrument ID: 23297

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		1.0	0.30
156-60-5	trans-1,2-Dichloroethene	ND		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.20
79-01-6	Trichloroethene	4.2		1.0	0.30
75-01-4	Vinyl chloride	ND		1.0	0.30
1330-20-7	Xylenes, Total	ND		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		80-120
460-00-4	4-Bromofluorobenzene (Surr)	98		80-120
1868-53-7	Dibromofluoromethane (Surr)	99		80-120
2037-26-5	Toluene-d8 (Surr)	102		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\23297\20241001-126519.b\4C01X51.D
Lims ID: 410-190105-A-11
Client ID: HD-MW-101D-0/1-0
Sample Type: Client
Inject. Date: 02-Oct-2024 05:03:30 ALS Bottle#: 21 Worklist Smp#: 22
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0126519-022
Operator ID: AGD105956 Instrument ID: 23297

Method: \\chromfs\Lancaster\ChromData\23297\20241001-126519.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 03-Oct-2024 06:56:18 Calib Date: 17-Sep-2024 18:24:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20240917-125144.b\4S17X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1652

First Level Reviewer: FQ4L Date: 03-Oct-2024 06:56:18

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
	4 Chloromethane	50		1.958				ND	
	5 Vinyl chloride	62		2.062				ND	
	8 Bromomethane	94		2.372				ND	U
	9 Chloroethane	64		2.445				ND	
	18 1,1-Dichloroethene	96		3.218				ND	
	17 Acetone	58		3.224				ND	
	22 Carbon disulfide	76		3.504				ND	
	27 Methylene Chloride	84		3.820				ND	
*	28 t-Butyl alcohol-d10 (IS)	65	3.832	3.856	-0.024	93	238746	250.0	
	31 Methyl tert-butyl ether	73		4.179				ND	
	32 trans-1,2-Dichloroethene	96		4.179				ND	
	36 1,1-Dichloroethane	63		4.842				ND	
	40 2-Butanone (MEK)	43		5.663				ND	
	41 cis-1,2-Dichloroethene	96	5.694	5.688	0.006	77	24124	6.81	
	47 Chlorobromomethane	128		6.022				ND	
	50 Chloroform	83	6.187	6.180	0.007	74	1556	0.2847	
$	51 Dibromofluoromethane (Surr)	113	6.400	6.405	-0.005	93	152809	49.3	
	52 1,1,1-Trichloroethane	97		6.412				ND	
	54 Carbon tetrachloride	117		6.631				ND	
$	57 1,2-Dichloroethane-d4 (Surr)	102	6.862	6.862	0.000	100	36682	49.8	
	58 Benzene	78	6.898	6.898	0.000	91	19657	1.60	
	59 1,2-Dichloroethane	62		6.971				ND	
*	62 Fluorobenzene (IS)	96	7.312	7.312	0.000	99	587390	50.0	
	65 Trichloroethene	95	7.805	7.799	0.006	96	13721	4.19	
	69 1,2-Dichloropropane	63		8.127				ND	
	75 Dichlorobromomethane	83		8.486				ND	
	78 cis-1,3-Dichloropropene	75		9.052				ND	
	79 4-Methyl-2-pentanone (MIBK)	43		9.240				ND	
$	80 Toluene-d8 (Surr)	98	9.380	9.380	0.000	93	575037	51.1	
	81 Toluene	92		9.466				ND	7
	82 trans-1,3-Dichloropropene	75		9.739				ND	
	101 1,1,2-Trichloroethane	97		9.952				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
117 Tetrachloroethene	166	10.050	10.043	0.007	96	13474	3.88	
123 2-Hexanone	43		10.183				ND	
126 Chlorodibromomethane	129		10.342				ND	
127 Ethylene Dibromide	107		10.451				ND	
* 129 Chlorobenzene-d5 (IS)	117	10.901	10.901	0.000	84	438391	50.0	
131 Chlorobenzene	112		10.932				ND	
132 1,1,1,2-Tetrachloroethane	131		11.017				ND	
133 Ethylbenzene	91		11.023				ND	
134 m-Xylene & p-Xylene	106		11.145				ND	
S 135 Xylenes, Total	106		11.245				ND	7
136 o-Xylene	106		11.479				ND	
138 Styrene	104		11.491				ND	
139 Bromoform	173		11.650				ND	
$ 143 4-Bromofluorobenzene (Surr)	95	11.929	11.929	0.000	93	207585	48.8	
144 1,1,2,2-Tetrachloroethane	83		12.033				ND	
* 160 1,4-Dichlorobenzene-d4	152	12.818	12.818	0.000	93	268215	50.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSV_HP04_ISSS_00003 Amount Added: 1.00 Units: uL Run Reagent

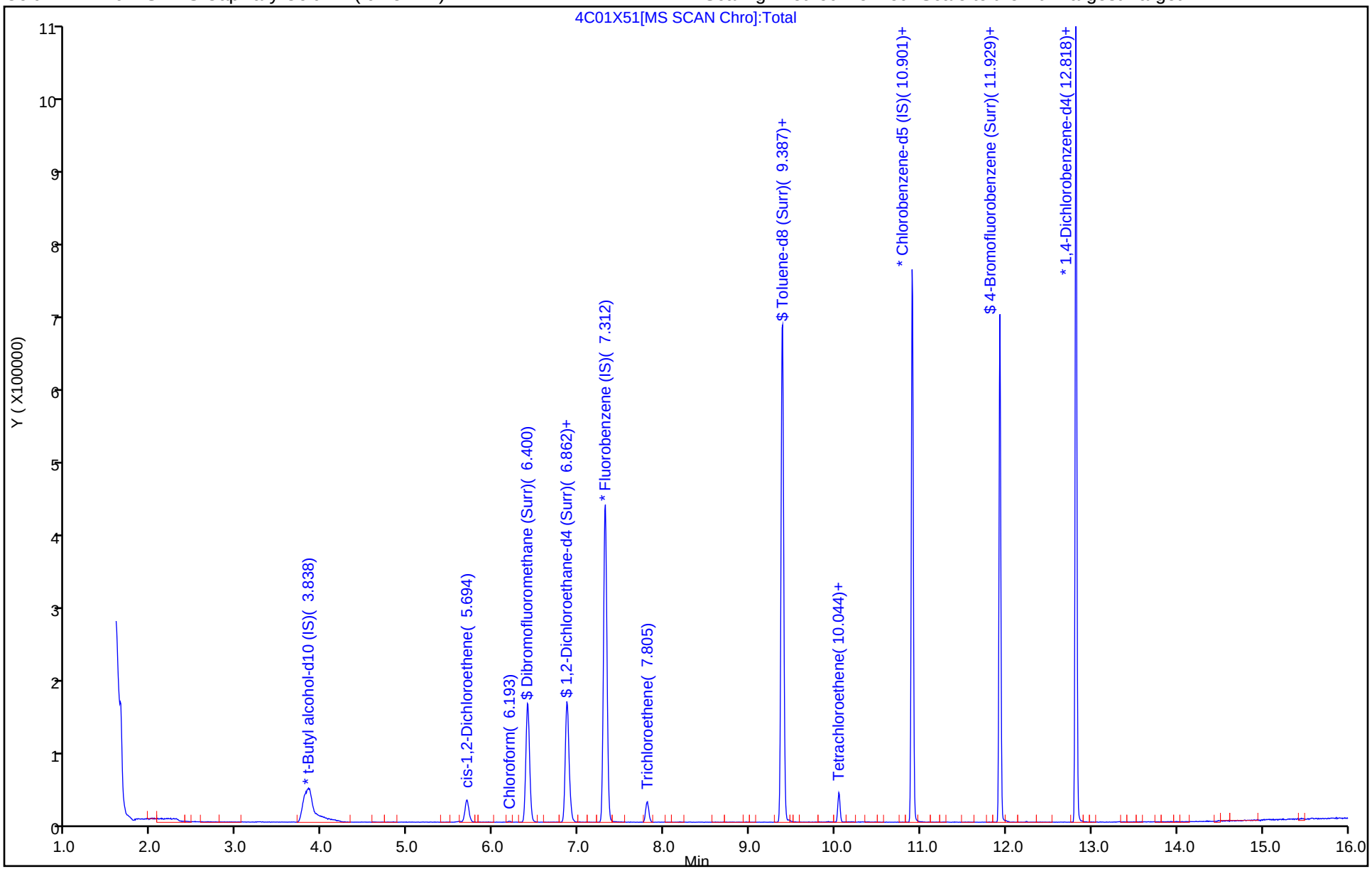
Report Date: 03-Oct-2024 06:56:19 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20241001-126519.b\4C01X51.D

Injection Date:	02-Oct-2024 05:03:30	Instrument ID:	23297	Operator ID:	AGD105956
Lims ID:	410-190105-A-11	Lab Sample ID:	410-190105-11	Worklist Smp#:	22
Client ID:	HD-MW-101D-0/1-0				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	21
Method:	MSVoa_23297	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\23297\20241001-126519.b\4C01X51.D				
Lims ID:	410-190105-A-11				
Client ID:	HD-MW-101D-0/1-0				
Sample Type:	Client				
Inject. Date:	02-Oct-2024 05:03:30	ALS Bottle#:	21	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0126519-022				
Operator ID:	AGD105956	Instrument ID:	23297		
Method:	\\chromfs\Lancaster\ChromData\23297\20241001-126519.b\MSVoa_23297.m				
Limit Group:	MSV - 8260C_D				
Last Update:	03-Oct-2024 06:56:18	Calib Date:	17-Sep-2024 18:24:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\23297\20240917-125144.b\4S17X17.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1652				

First Level Reviewer: FQ4L Date: 03-Oct-2024 06:56:18

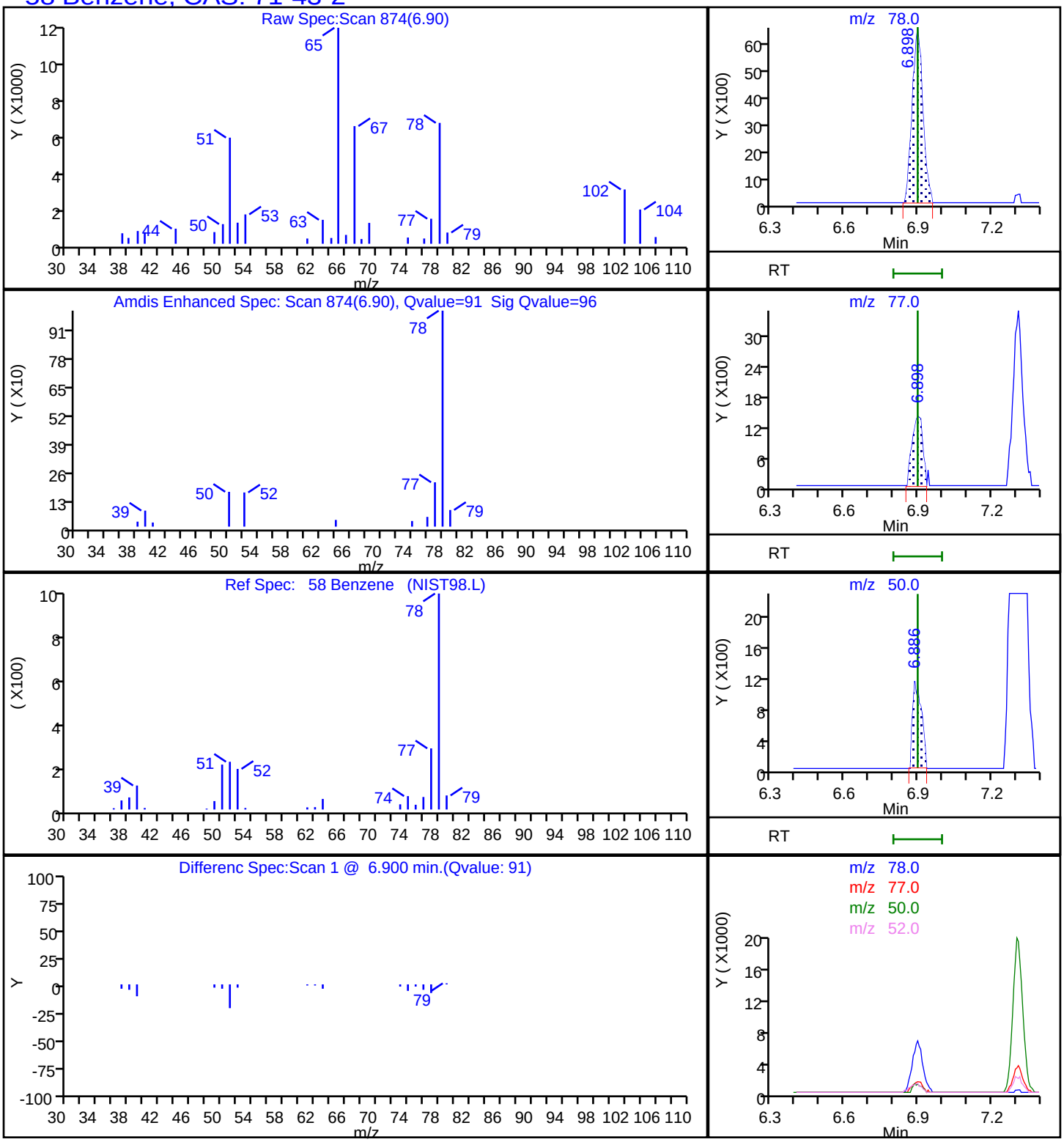
Compound	Amount Added	Amount Recovered	% Rec.
$ 51 Dibromofluoromethane (Surr)	50.0	49.3	98.52
$ 57 1,2-Dichloroethane-d4 (Surr)	50.0	49.8	99.61
$ 80 Toluene-d8 (Surr)	50.0	51.1	102.15
$ 143 4-Bromofluorobenzene (Surr)	50.0	48.8	97.52

Report Date: 03-Oct-2024 06:56:19 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\23297\20241001-126519.b\4C01X51.D				
Injection Date:	02-Oct-2024 05:03:30	Instrument ID:	23297		
Lims ID:	410-190105-A-11	Lab Sample ID:	410-190105-11		
Client ID:	HD-MW-101D-0/1-0				
Operator ID:	AGD105956	ALS Bottle#:	21	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

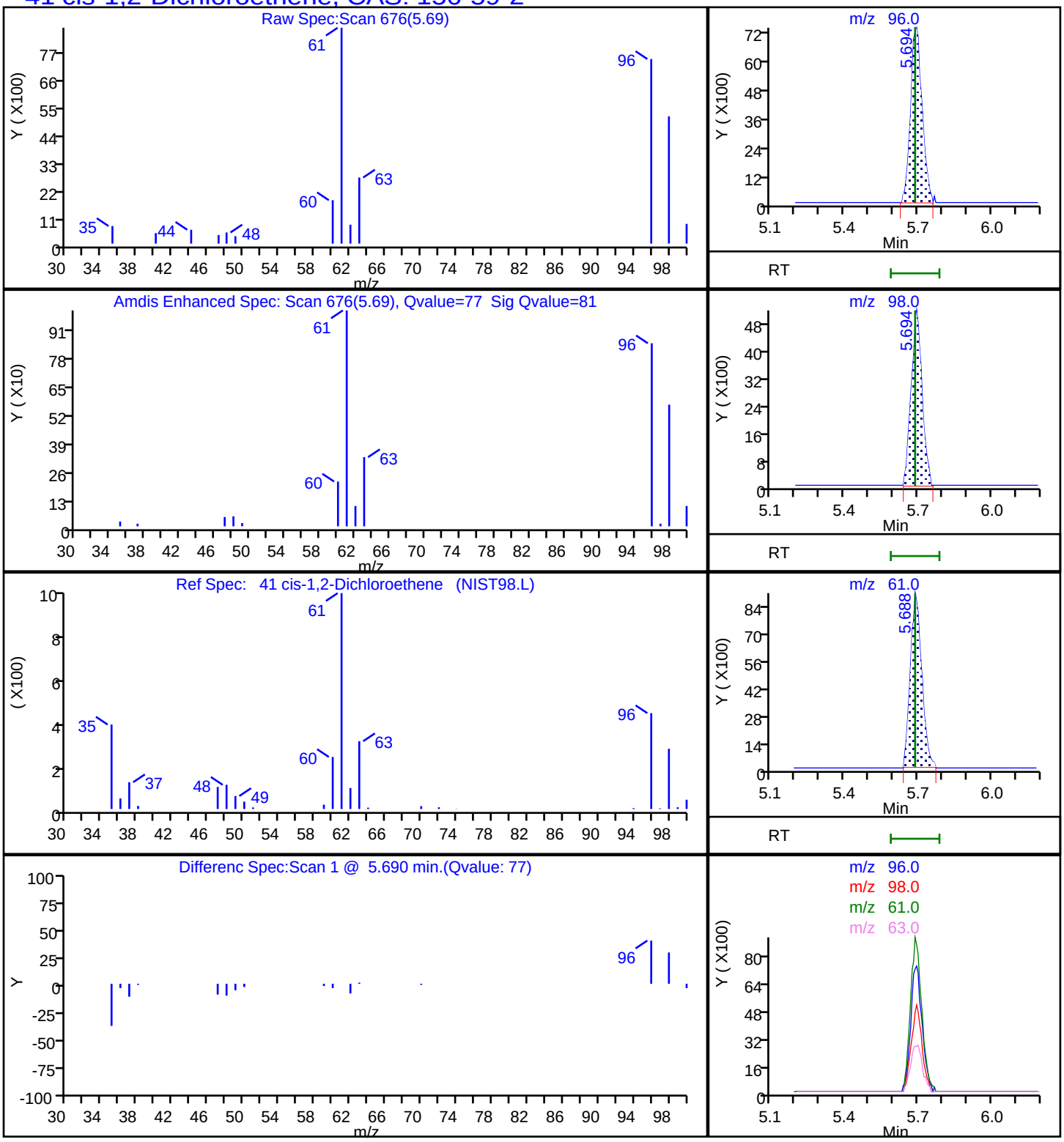
58 Benzene, CAS: 71-43-2



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\23297\20241001-126519.b\4C01X51.D				
Injection Date:	02-Oct-2024 05:03:30	Instrument ID:	23297		
Lims ID:	410-190105-A-11	Lab Sample ID:	410-190105-11		
Client ID:	HD-MW-101D-0/1-0				
Operator ID:	AGD105956	ALS Bottle#:	21	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

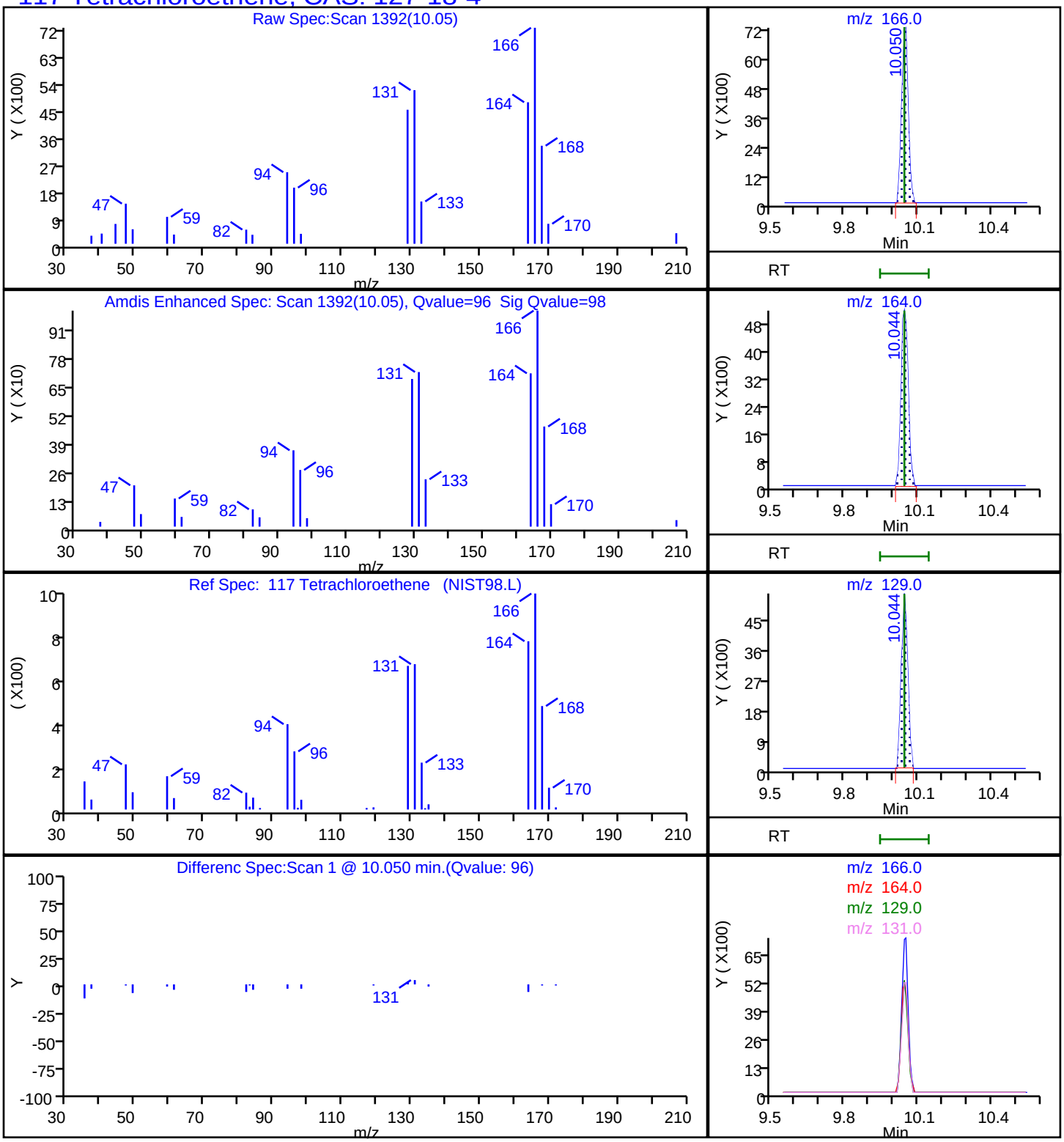
41 cis-1,2-Dichloroethene, CAS: 156-59-2



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\23297\20241001-126519.b\4C01X51.D				
Injection Date:	02-Oct-2024 05:03:30	Instrument ID:	23297		
Lims ID:	410-190105-A-11	Lab Sample ID:	410-190105-11		
Client ID:	HD-MW-101D-0/1-0				
Operator ID:	AGD105956	ALS Bottle#:	21	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

117 Tetrachloroethene, CAS: 127-18-4

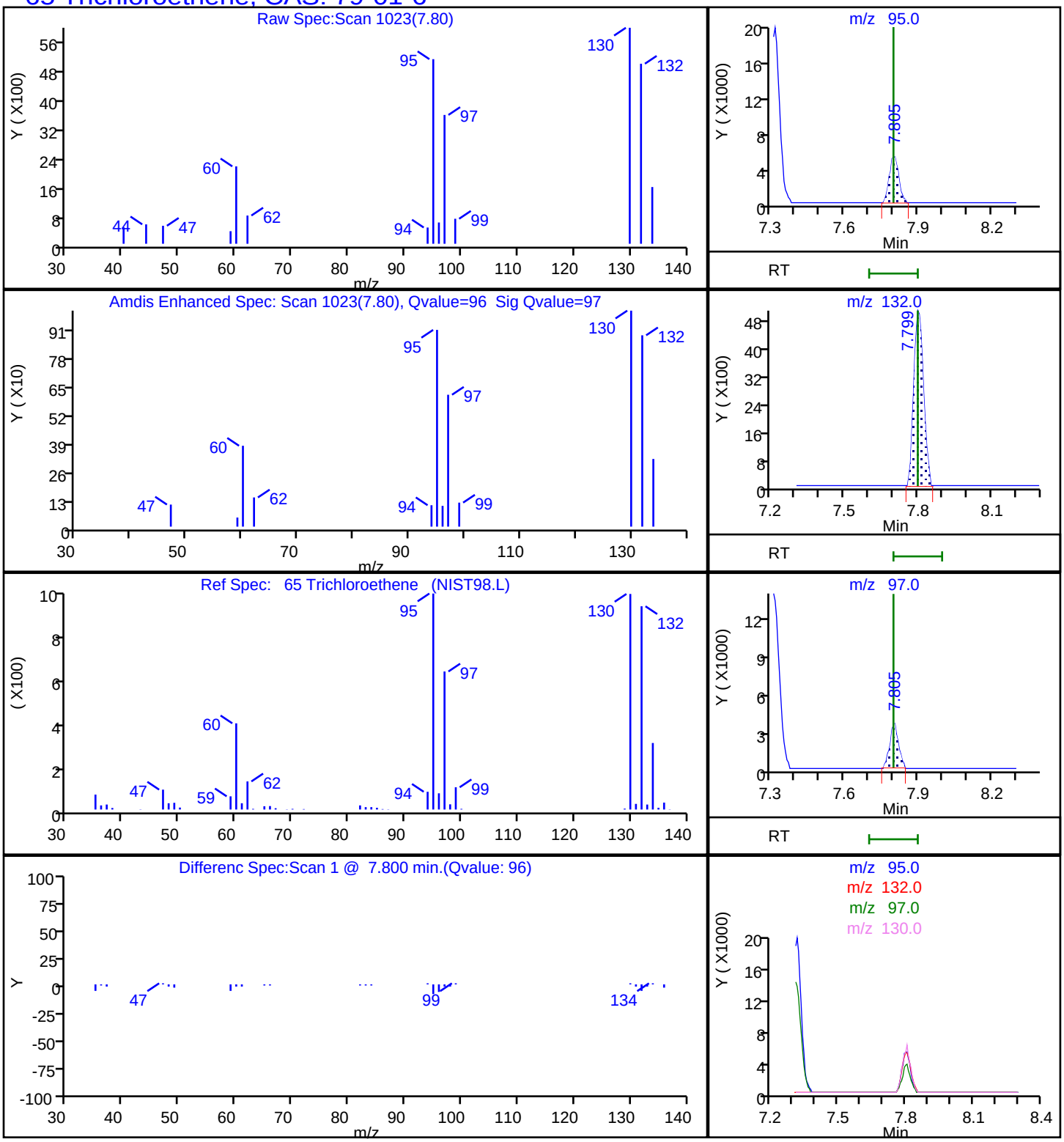


Report Date: 03-Oct-2024 06:56:19 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\23297\20241001-126519.b\4C01X51.D				
Injection Date:	02-Oct-2024 05:03:30	Instrument ID:	23297		
Lims ID:	410-190105-A-11	Lab Sample ID:	410-190105-11		
Client ID:	HD-MW-101D-0/1-0				
Operator ID:	AGD105956	ALS Bottle#:	21	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

65 Trichloroethene, CAS: 79-01-6



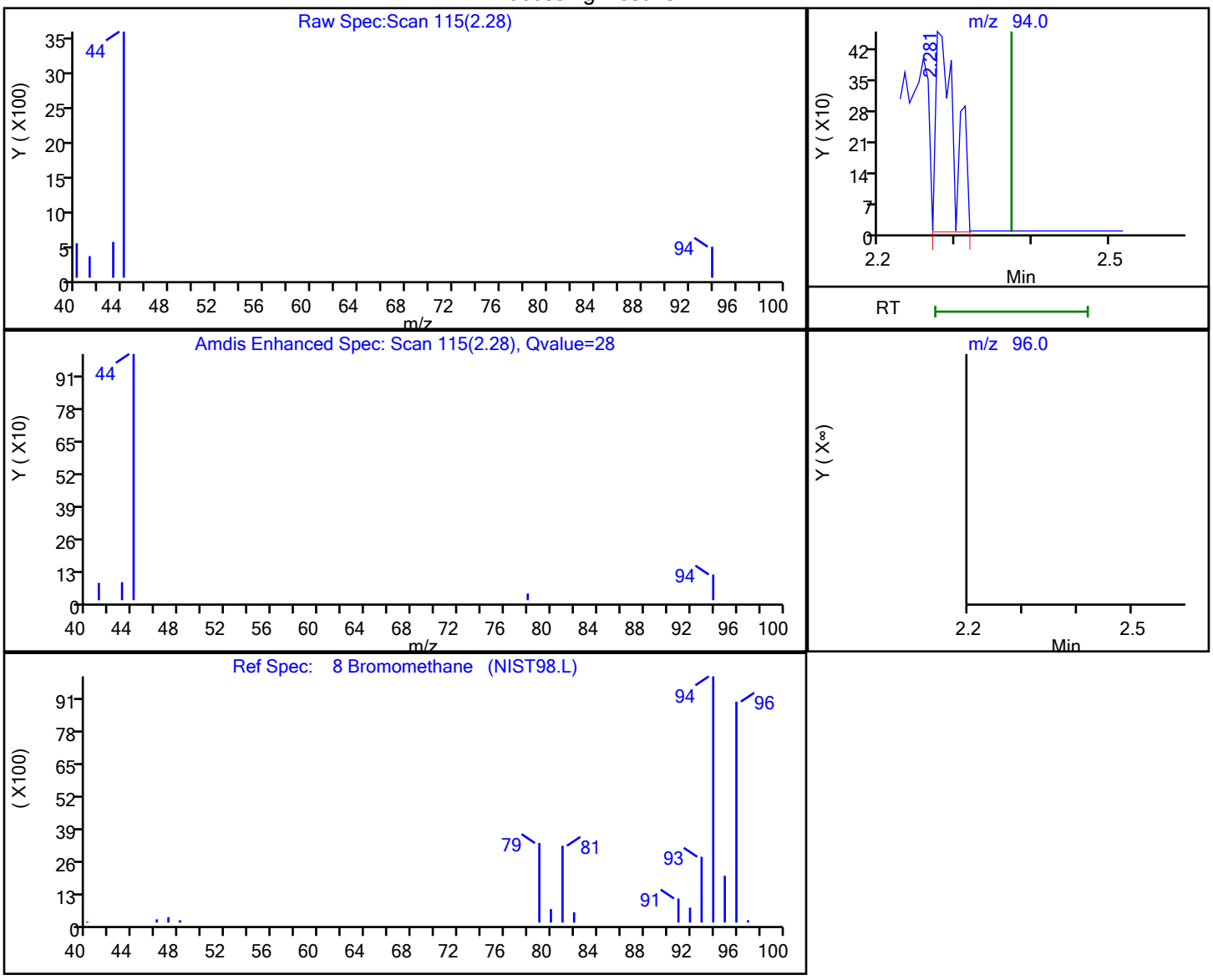
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\23297\20241001-126519.b\4C01X51.D				
Injection Date:	02-Oct-2024 05:03:30	Instrument ID:	23297		
Lims ID:	410-190105-A-11	Lab Sample ID:	410-190105-11		
Client ID:	HD-MW-101D-0/1-0				
Operator ID:	AGD105956	ALS Bottle#:	21	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

8 Bromomethane, CAS: 74-83-9

Processing Results



RT	Mass	Response	Amount
2.28	94.00	789	0.202735
2.37	96.00	0	

Reviewer: FQ4L, 03-Oct-2024 06:54:59 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.: 410-190105-1

SDG No.:

Client Sample ID: HD-MW-108S-0/1-0
Lab Sample ID: 410-190105-12

Matrix: Water
Lab File ID: 4C01X52.D

Analysis Method: 8260D
Date Collected: 09/27/2024 08:00

Sample wt/vol: 5(mL)
Date Analyzed: 10/02/2024 05:25

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 558100
Units: ug/L

Preparation Batch No.:
Instrument ID: 23297

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.30
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.30
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.30
75-34-3	1,1-Dichloroethane	ND		1.0	0.30
75-35-4	1,1-Dichloroethene	ND		1.0	0.30
106-93-4	1,2-Dibromoethane (EDB)	ND		1.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.30
78-87-5	1,2-Dichloropropane	ND		1.0	0.30
78-93-3	2-Butanone (MEK)	ND		10	0.50
591-78-6	2-Hexanone	ND		10	0.85
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	0.50
67-64-1	Acetone	ND		20	0.70
71-43-2	Benzene	ND		1.0	0.30
74-97-5	Bromochloromethane	ND		5.0	0.20
75-27-4	Bromodichloromethane	ND		1.0	0.20
75-25-2	Bromoform	ND		4.0	1.0
74-83-9	Bromomethane	ND		1.0	0.30
75-15-0	Carbon disulfide	ND		5.0	0.30
56-23-5	Carbon tetrachloride	ND		1.0	0.30
108-90-7	Chlorobenzene	ND		1.0	0.30
75-00-3	Chloroethane	ND		1.0	0.30
67-66-3	Chloroform	3.7		1.0	0.30
74-87-3	Chloromethane	ND		2.0	0.55
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.20
124-48-1	Dibromochloromethane	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.40
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.20
75-09-2	Methylene Chloride	ND		1.0	0.30
100-42-5	Styrene	ND		5.0	0.30
127-18-4	Tetrachloroethene	ND		1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-190105-1

SDG No.:

Client Sample ID: HD-MW-108S-0/1-0
Lab Sample ID: 410-190105-12

Matrix: Water
Lab File ID: 4C01X52.D

Analysis Method: 8260D
Date Collected: 09/27/2024 08:00

Sample wt/vol: 5(mL)
Date Analyzed: 10/02/2024 05:25

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 558100
Units: ug/L

Preparation Batch No.:
Instrument ID: 23297

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		1.0	0.30
156-60-5	trans-1,2-Dichloroethene	ND		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.20
79-01-6	Trichloroethene	ND		1.0	0.30
75-01-4	Vinyl chloride	ND		1.0	0.30
1330-20-7	Xylenes, Total	ND		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		80-120
460-00-4	4-Bromofluorobenzene (Surr)	96		80-120
1868-53-7	Dibromofluoromethane (Surr)	99		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\23297\20241001-126519.b\4C01X52.D
Lims ID: 410-190105-A-12
Client ID: HD-MW-108S-0/1-0
Sample Type: Client
Inject. Date: 02-Oct-2024 05:25:30 ALS Bottle#: 22 Worklist Smp#: 23
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0126519-023
Operator ID: AGD105956 Instrument ID: 23297

Method: \\chromfs\Lancaster\ChromData\23297\20241001-126519.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 03-Oct-2024 06:56:18 Calib Date: 17-Sep-2024 18:24:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20240917-125144.b\4S17X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1652

First Level Reviewer: FQ4L Date: 03-Oct-2024 06:57:51

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
4 Chloromethane	50		1.958				ND	
5 Vinyl chloride	62		2.062				ND	
8 Bromomethane	94		2.372				ND	
9 Chloroethane	64		2.445				ND	
18 1,1-Dichloroethene	96		3.218				ND	
17 Acetone	58		3.224				ND	
22 Carbon disulfide	76		3.504				ND	
27 Methylene Chloride	84		3.820				ND	
* 28 t-Butyl alcohol-d10 (IS)	65	3.850	3.856	-0.006	93	229917	250.0	
31 Methyl tert-butyl ether	73		4.179				ND	
32 trans-1,2-Dichloroethene	96		4.179				ND	
36 1,1-Dichloroethane	63		4.842				ND	
40 2-Butanone (MEK)	43		5.663				ND	
41 cis-1,2-Dichloroethene	96		5.688				ND	
47 Chlorobromomethane	128		6.022				ND	
50 Chloroform	83	6.192	6.180	0.012	93	19901	3.68	
$ 51 Dibromofluoromethane (Surr)	113	6.411	6.405	0.006	94	152522	49.7	
52 1,1,1-Trichloroethane	97		6.412				ND	
54 Carbon tetrachloride	117		6.631				ND	
$ 57 1,2-Dichloroethane-d4 (Surr)	102	6.868	6.862	0.006	100	35199	48.3	
58 Benzene	78		6.898				ND	
59 1,2-Dichloroethane	62		6.971				ND	
* 62 Fluorobenzene (IS)	96	7.318	7.312	0.006	99	581490	50.0	
65 Trichloroethene	95		7.799				ND	
69 1,2-Dichloropropane	63		8.127				ND	
75 Dichlorobromomethane	83		8.486				ND	
78 cis-1,3-Dichloropropene	75		9.052				ND	
79 4-Methyl-2-pentanone (MIBK)	43		9.240				ND	
$ 80 Toluene-d8 (Surr)	98	9.386	9.380	0.006	93	567359	51.4	
81 Toluene	92		9.466				ND	
82 trans-1,3-Dichloropropene	75		9.739				ND	
101 1,1,2-Trichloroethane	97		9.952				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
117 Tetrachloroethene	166		10.043				ND	
123 2-Hexanone	43		10.183				ND	
126 Chlorodibromomethane	129		10.342				ND	
127 Ethylene Dibromide	107		10.451				ND	
* 129 Chlorobenzene-d5 (IS)	117	10.907	10.901	0.006	84	429980	50.0	
131 Chlorobenzene	112		10.932				ND	
132 1,1,1,2-Tetrachloroethane	131		11.017				ND	
133 Ethylbenzene	91		11.023				ND	
134 m-Xylene & p-Xylene	106		11.145				ND	
S 135 Xylenes, Total	106		11.245				ND	7
136 o-Xylene	106		11.479				ND	
138 Styrene	104		11.491				ND	
139 Bromoform	173		11.650				ND	
$ 143 4-Bromofluorobenzene (Surr)	95	11.929	11.929	0.000	93	201435	48.2	
144 1,1,2,2-Tetrachloroethane	83		12.033				ND	
* 160 1,4-Dichlorobenzene-d4	152	12.817	12.818	-0.001	94	261056	50.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

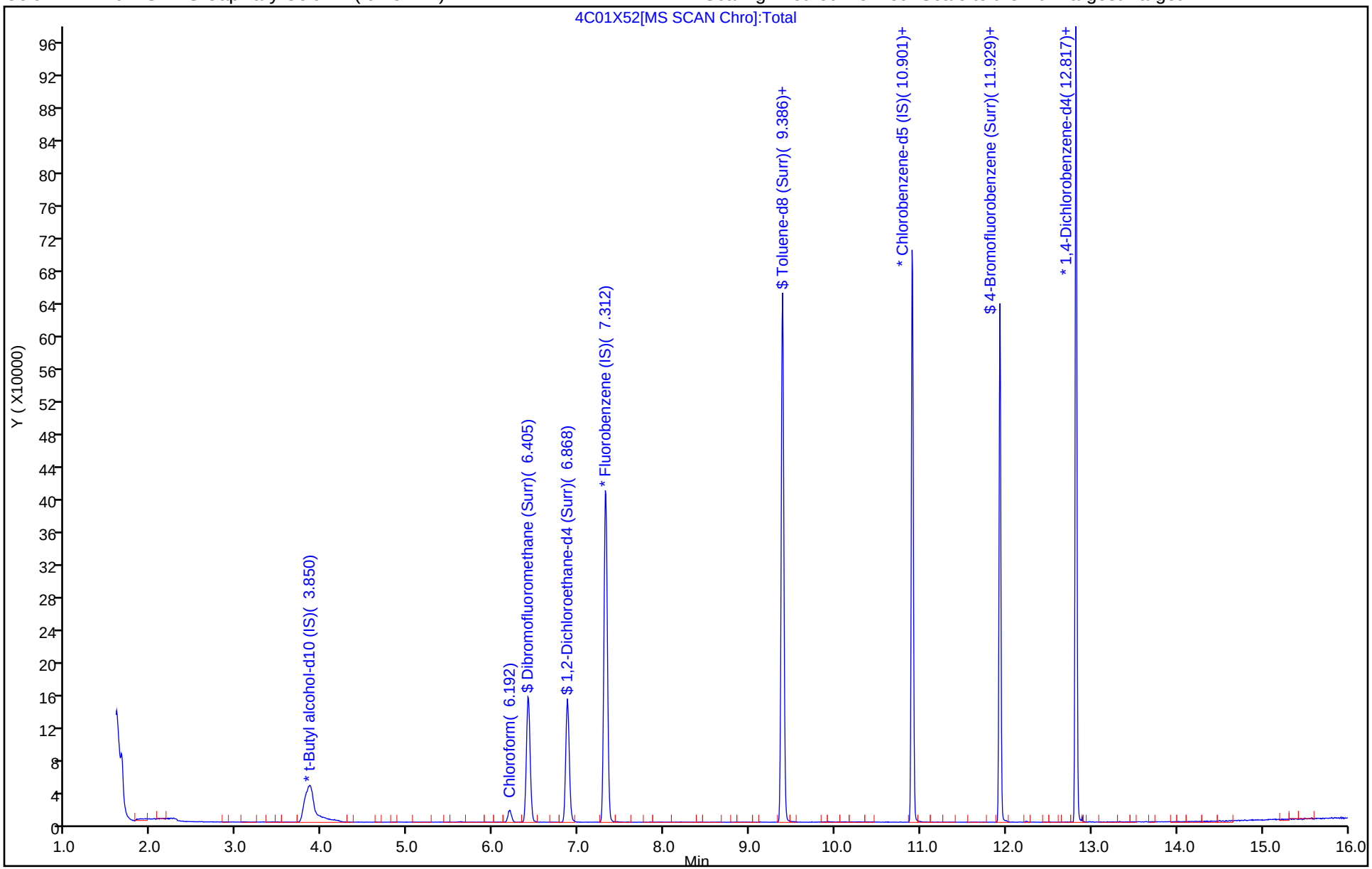
MSV_HP04_ISSS_00003 Amount Added: 1.00 Units: uL Run Reagent

Report Date: 03-Oct-2024 06:57:52 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\23297\20241001-126519.b\4C01X52.D				
Injection Date:	02-Oct-2024 05:25:30	Instrument ID:	23297	Operator ID:	AGD105956
Lims ID:	410-190105-A-12	Lab Sample ID:	410-190105-12	Worklist Smp#:	23
Client ID:	HD-MW-108S-0/1-0				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	22
Method:	MSVoa_23297	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\23297\20241001-126519.b\4C01X52.D				
Lims ID:	410-190105-A-12				
Client ID:	HD-MW-108S-0/1-0				
Sample Type:	Client				
Inject. Date:	02-Oct-2024 05:25:30	ALS Bottle#:	22	Worklist Smp#:	23
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0126519-023				
Operator ID:	AGD105956	Instrument ID:	23297		
Method:	\\chromfs\Lancaster\ChromData\23297\20241001-126519.b\MSVoa_23297.m				
Limit Group:	MSV - 8260C_D				
Last Update:	03-Oct-2024 06:56:18	Calib Date:	17-Sep-2024 18:24:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\23297\20240917-125144.b\4S17X17.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1652				

First Level Reviewer: FQ4L Date: 03-Oct-2024 06:57:51

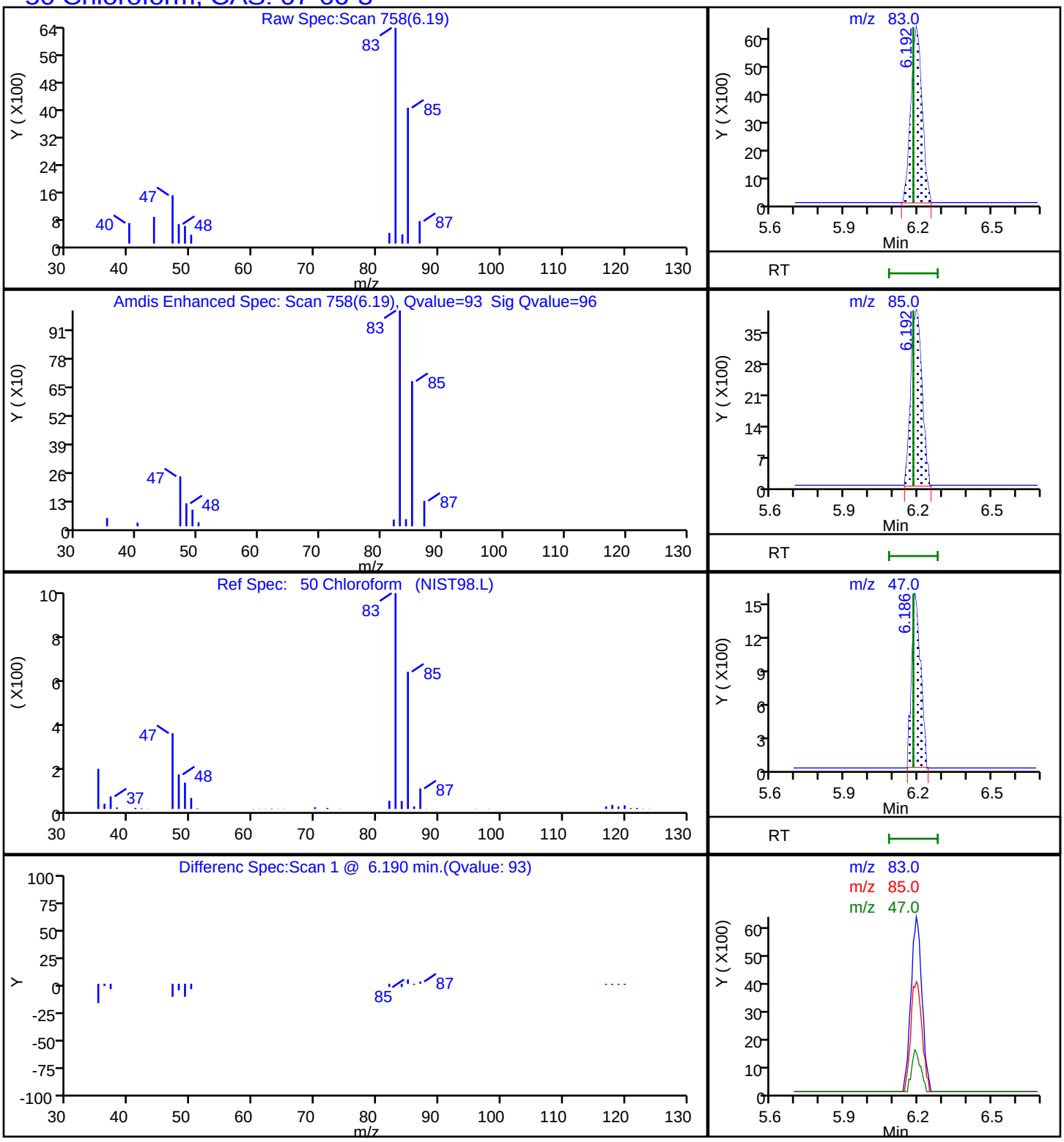
Compound	Amount Added	Amount Recovered	% Rec.
$ 51 Dibromofluoromethane (Surr)	50.0	49.7	99.33
$ 57 1,2-Dichloroethane-d4 (Surr)	50.0	48.3	96.55
$ 80 Toluene-d8 (Surr)	50.0	51.4	102.75
$ 143 4-Bromofluorobenzene (Surr)	50.0	48.2	96.48

Report Date: 03-Oct-2024 06:57:52 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\23297\20241001-126519.b\4C01X52.D				
Injection Date:	02-Oct-2024 05:25:30	Instrument ID:	23297		
Lims ID:	410-190105-A-12	Lab Sample ID:	410-190105-12		
Client ID:	HD-MW-108S-0/1-0				
Operator ID:	AGD105956	ALS Bottle#:	22	Worklist Smp#:	23
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

50 Chloroform, CAS: 67-66-3



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-190105-1

SDG No.:

Client Sample ID: HD-MW-20S-0/1-0
Lab Sample ID: 410-190105-13

Matrix: Water
Lab File ID: 4C01X53.D

Analysis Method: 8260D
Date Collected: 09/27/2024 08:20

Sample wt/vol: 5(mL)
Date Analyzed: 10/02/2024 05:48

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 558100
Units: ug/L

Preparation Batch No.:
Instrument ID: 23297

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.30
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.30
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.30
75-34-3	1,1-Dichloroethane	ND		1.0	0.30
75-35-4	1,1-Dichloroethene	ND		1.0	0.30
106-93-4	1,2-Dibromoethane (EDB)	ND		1.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.30
78-87-5	1,2-Dichloropropane	ND		1.0	0.30
78-93-3	2-Butanone (MEK)	ND		10	0.50
591-78-6	2-Hexanone	ND		10	0.85
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	0.50
67-64-1	Acetone	ND		20	0.70
71-43-2	Benzene	ND		1.0	0.30
74-97-5	Bromochloromethane	ND		5.0	0.20
75-27-4	Bromodichloromethane	ND		1.0	0.20
75-25-2	Bromoform	ND		4.0	1.0
74-83-9	Bromomethane	ND		1.0	0.30
75-15-0	Carbon disulfide	ND		5.0	0.30
56-23-5	Carbon tetrachloride	ND		1.0	0.30
108-90-7	Chlorobenzene	ND		1.0	0.30
75-00-3	Chloroethane	ND		1.0	0.30
67-66-3	Chloroform	0.48	J	1.0	0.30
74-87-3	Chloromethane	ND		2.0	0.55
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.20
124-48-1	Dibromochloromethane	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.40
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.20
75-09-2	Methylene Chloride	ND		1.0	0.30
100-42-5	Styrene	ND		5.0	0.30
127-18-4	Tetrachloroethene	1.7		1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-190105-1

SDG No.:

Client Sample ID: HD-MW-20S-0/1-0
Lab Sample ID: 410-190105-13

Matrix: Water
Lab File ID: 4C01X53.D

Analysis Method: 8260D
Date Collected: 09/27/2024 08:20

Sample wt/vol: 5(mL)
Date Analyzed: 10/02/2024 05:48

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 558100
Units: ug/L

Preparation Batch No.:
Instrument ID: 23297

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		1.0	0.30
156-60-5	trans-1,2-Dichloroethene	ND		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.20
79-01-6	Trichloroethene	7.7		1.0	0.30
75-01-4	Vinyl chloride	ND		1.0	0.30
1330-20-7	Xylenes, Total	ND		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		80-120
460-00-4	4-Bromofluorobenzene (Surr)	98		80-120
1868-53-7	Dibromofluoromethane (Surr)	99		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\23297\20241001-126519.b\4C01X53.D
Lims ID: 410-190105-A-13
Client ID: HD-MW-20S-0/1-0
Sample Type: Client
Inject. Date: 02-Oct-2024 05:48:30 ALS Bottle#: 23 Worklist Smp#: 24
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0126519-024
Operator ID: AGD105956 Instrument ID: 23297

Method: \\chromfs\Lancaster\ChromData\23297\20241001-126519.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 03-Oct-2024 06:58:33 Calib Date: 17-Sep-2024 18:24:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20240917-125144.b\4S17X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1652

First Level Reviewer: FQ4L Date: 03-Oct-2024 06:58:33

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
4 Chloromethane	50		1.958				ND	
5 Vinyl chloride	62		2.062				ND	
8 Bromomethane	94		2.372				ND	U
9 Chloroethane	64		2.445				ND	
18 1,1-Dichloroethene	96		3.218				ND	
17 Acetone	58		3.224				ND	
22 Carbon disulfide	76		3.504				ND	
27 Methylene Chloride	84		3.820				ND	
* 28 t-Butyl alcohol-d10 (IS)	65	3.850	3.856	-0.006	94	233709	250.0	
31 Methyl tert-butyl ether	73		4.179				ND	
32 trans-1,2-Dichloroethene	96		4.179				ND	
36 1,1-Dichloroethane	63		4.842				ND	
40 2-Butanone (MEK)	43		5.663				ND	
41 cis-1,2-Dichloroethene	96	5.694	5.688	0.006	76	1034	0.2946	
47 Chlorobromomethane	128		6.022				ND	
50 Chloroform	83	6.193	6.180	0.013	82	2583	0.4770	
$ 51 Dibromofluoromethane (Surr)	113	6.412	6.405	0.007	93	152205	49.5	
52 1,1,1-Trichloroethane	97		6.412				ND	
54 Carbon tetrachloride	117		6.631				ND	
$ 57 1,2-Dichloroethane-d4 (Surr)	102	6.874	6.862	0.012	99	36389	49.9	
58 Benzene	78		6.898				ND	
59 1,2-Dichloroethane	62		6.971				ND	
* 62 Fluorobenzene (IS)	96	7.312	7.312	0.000	99	581917	50.0	
65 Trichloroethene	95	7.805	7.799	0.006	97	25028	7.72	
69 1,2-Dichloropropane	63		8.127				ND	
75 Dichlorobromomethane	83		8.486				ND	
78 cis-1,3-Dichloropropene	75		9.052				ND	
79 4-Methyl-2-pentanone (MIBK)	43		9.240				ND	
$ 80 Toluene-d8 (Surr)	98	9.386	9.380	0.006	93	570691	52.2	
81 Toluene	92		9.466				ND	
82 trans-1,3-Dichloropropene	75		9.739				ND	
101 1,1,2-Trichloroethane	97		9.952				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
117 Tetrachloroethene	166	10.043	10.043	0.000	95	5837	1.73	
123 2-Hexanone	43		10.183				ND	
126 Chlorodibromomethane	129		10.342				ND	
127 Ethylene Dibromide	107		10.451				ND	
* 129 Chlorobenzene-d5 (IS)	117	10.901	10.901	0.000	84	425677	50.0	
131 Chlorobenzene	112		10.932				ND	
132 1,1,1,2-Tetrachloroethane	131		11.017				ND	
133 Ethylbenzene	91		11.023				ND	
134 m-Xylene & p-Xylene	106		11.145				ND	
S 135 Xylenes, Total	106		11.245				ND	7
136 o-Xylene	106		11.479				ND	
138 Styrene	104		11.491				ND	
139 Bromoform	173		11.650				ND	
$ 143 4-Bromofluorobenzene (Surr)	95	11.929	11.929	0.000	93	202314	48.9	
144 1,1,2,2-Tetrachloroethane	83		12.033				ND	
* 160 1,4-Dichlorobenzene-d4	152	12.818	12.818	0.000	94	258319	50.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSV_HP04_ISSS_00003 Amount Added: 1.00 Units: uL Run Reagent

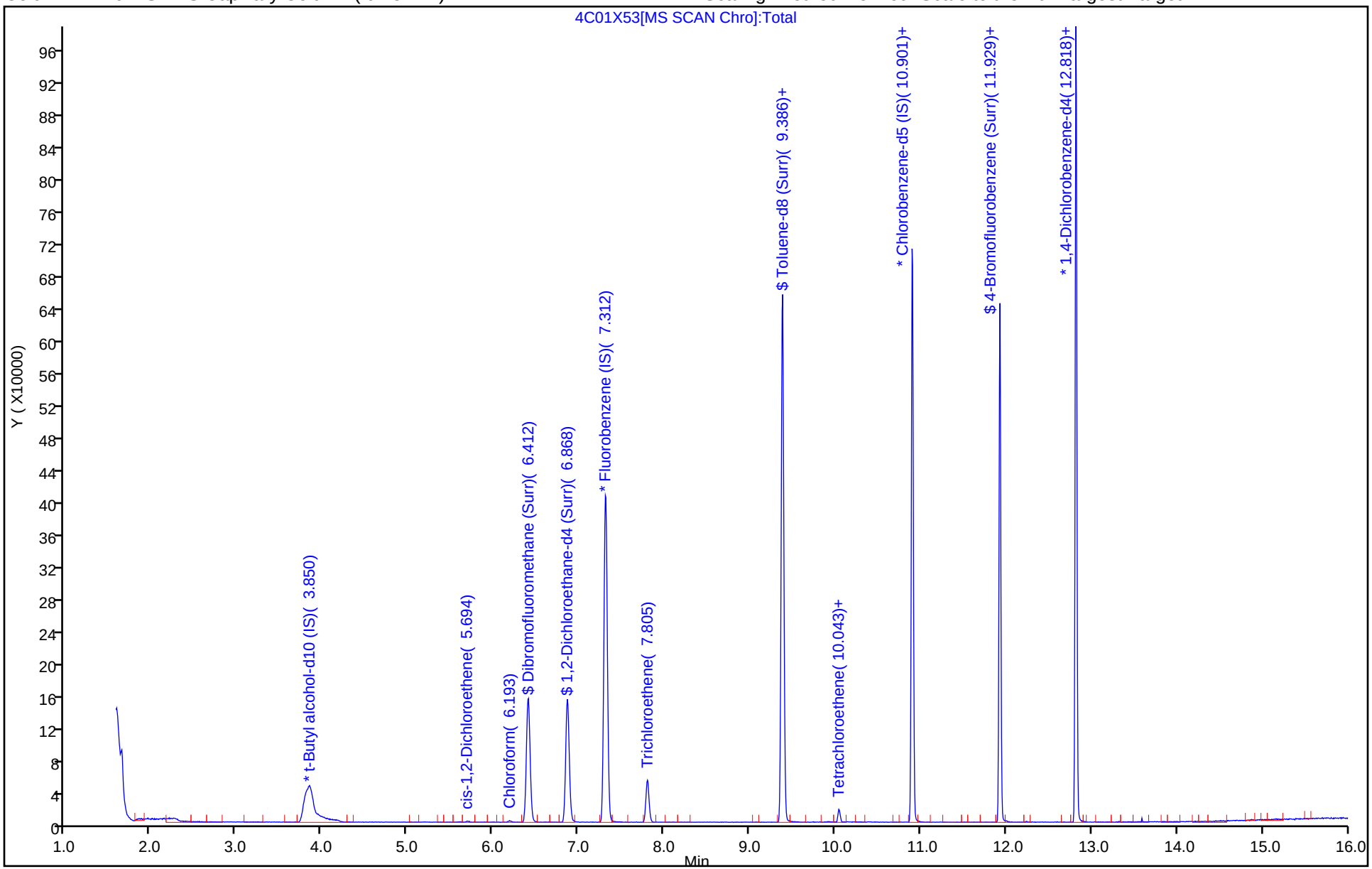
Report Date: 03-Oct-2024 06:58:33 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20241001-126519.b\4C01X53.D

Injection Date:	02-Oct-2024 05:48:30	Instrument ID:	23297	Operator ID:	AGD105956
Lims ID:	410-190105-A-13	Lab Sample ID:	410-190105-13	Worklist Smp#:	24
Client ID:	HD-MW-20S-0/1-0				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	23
Method:	MSVoa_23297	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\23297\20241001-126519.b\4C01X53.D				
Lims ID:	410-190105-A-13				
Client ID:	HD-MW-20S-0/1-0				
Sample Type:	Client				
Inject. Date:	02-Oct-2024 05:48:30	ALS Bottle#:	23	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0126519-024				
Operator ID:	AGD105956	Instrument ID:	23297		
Method:	\\chromfs\Lancaster\ChromData\23297\20241001-126519.b\MSVoa_23297.m				
Limit Group:	MSV - 8260C_D				
Last Update:	03-Oct-2024 06:58:33	Calib Date:	17-Sep-2024 18:24:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\23297\20240917-125144.b\4S17X17.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1652				

First Level Reviewer: FQ4L Date: 03-Oct-2024 06:58:33

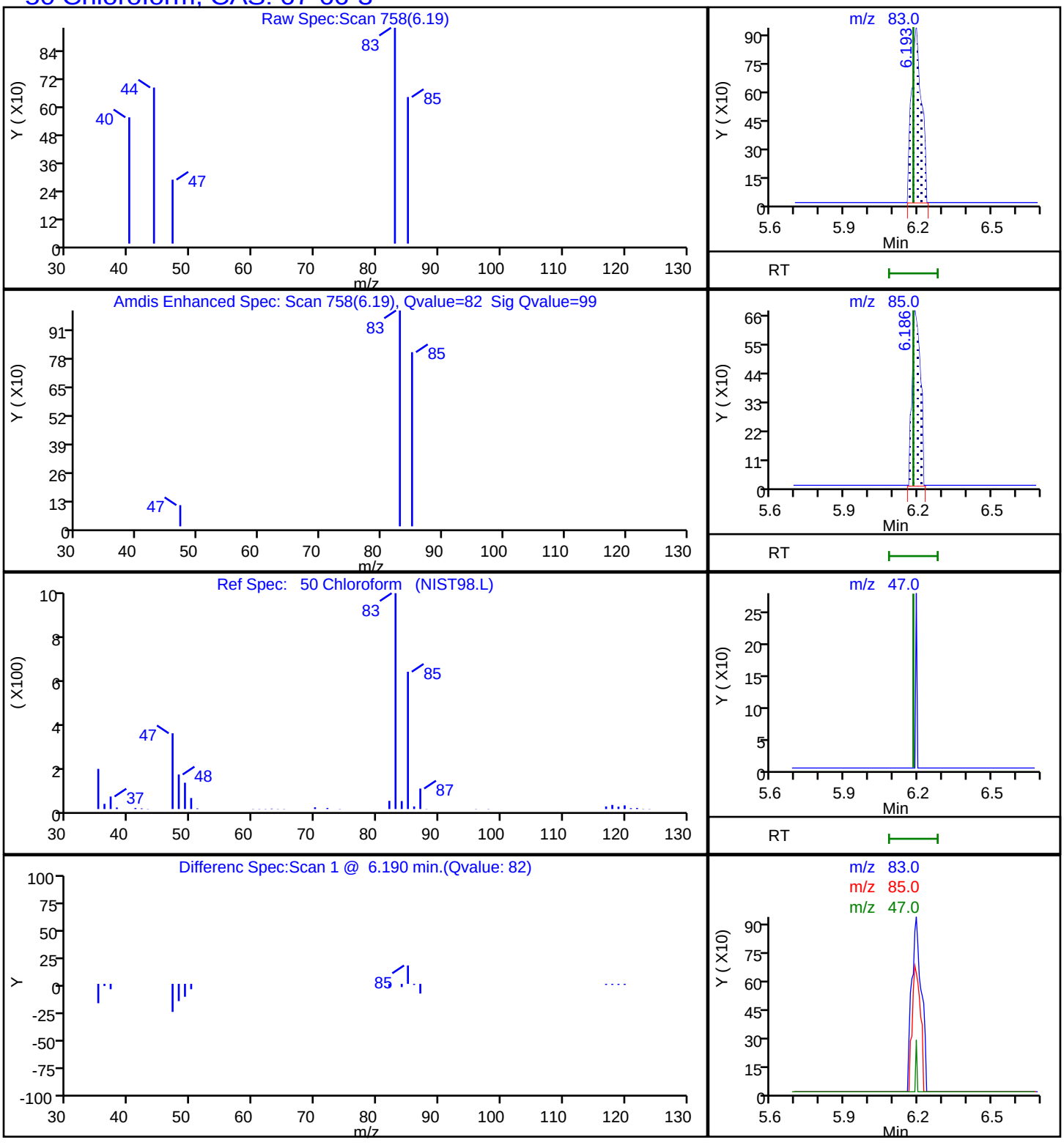
Compound	Amount Added	Amount Recovered	% Rec.
$ 51 Dibromofluoromethane (Surr)	50.0	49.5	99.05
$ 57 1,2-Dichloroethane-d4 (Surr)	50.0	49.9	99.74
$ 80 Toluene-d8 (Surr)	50.0	52.2	104.40
$ 143 4-Bromofluorobenzene (Surr)	50.0	48.9	97.88

Report Date: 03-Oct-2024 06:58:34 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\23297\20241001-126519.b\4C01X53.D				
Injection Date:	02-Oct-2024 05:48:30	Instrument ID:	23297		
Lims ID:	410-190105-A-13	Lab Sample ID:	410-190105-13		
Client ID:	HD-MW-20S-0/1-0				
Operator ID:	AGD105956	ALS Bottle#:	23	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

50 Chloroform, CAS: 67-66-3

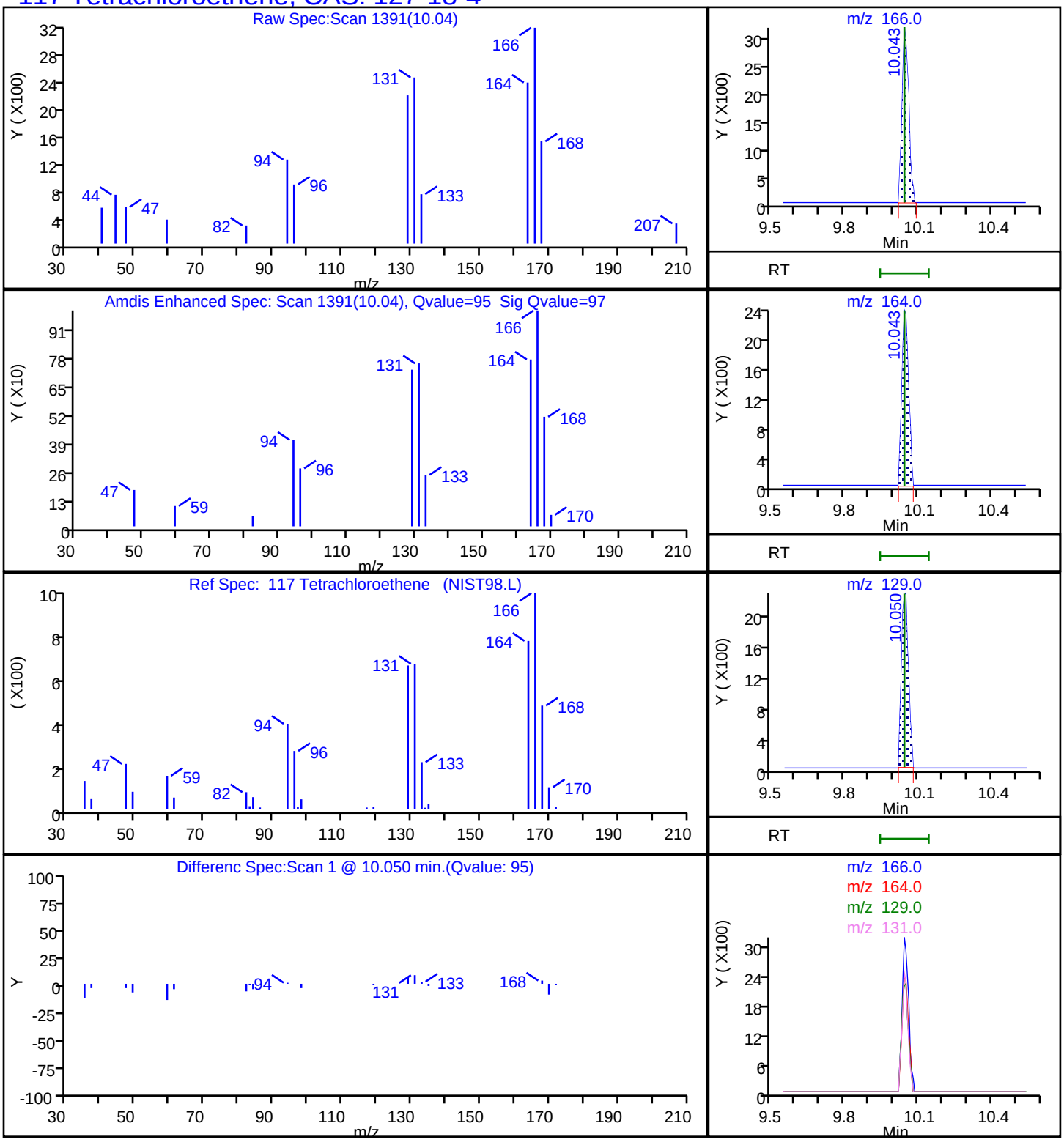


Report Date: 03-Oct-2024 06:58:34 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\23297\20241001-126519.b\4C01X53.D				
Injection Date:	02-Oct-2024 05:48:30	Instrument ID:	23297		
Lims ID:	410-190105-A-13	Lab Sample ID:	410-190105-13		
Client ID:	HD-MW-20S-0/1-0				
Operator ID:	AGD105956	ALS Bottle#:	23	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

117 Tetrachloroethene, CAS: 127-18-4

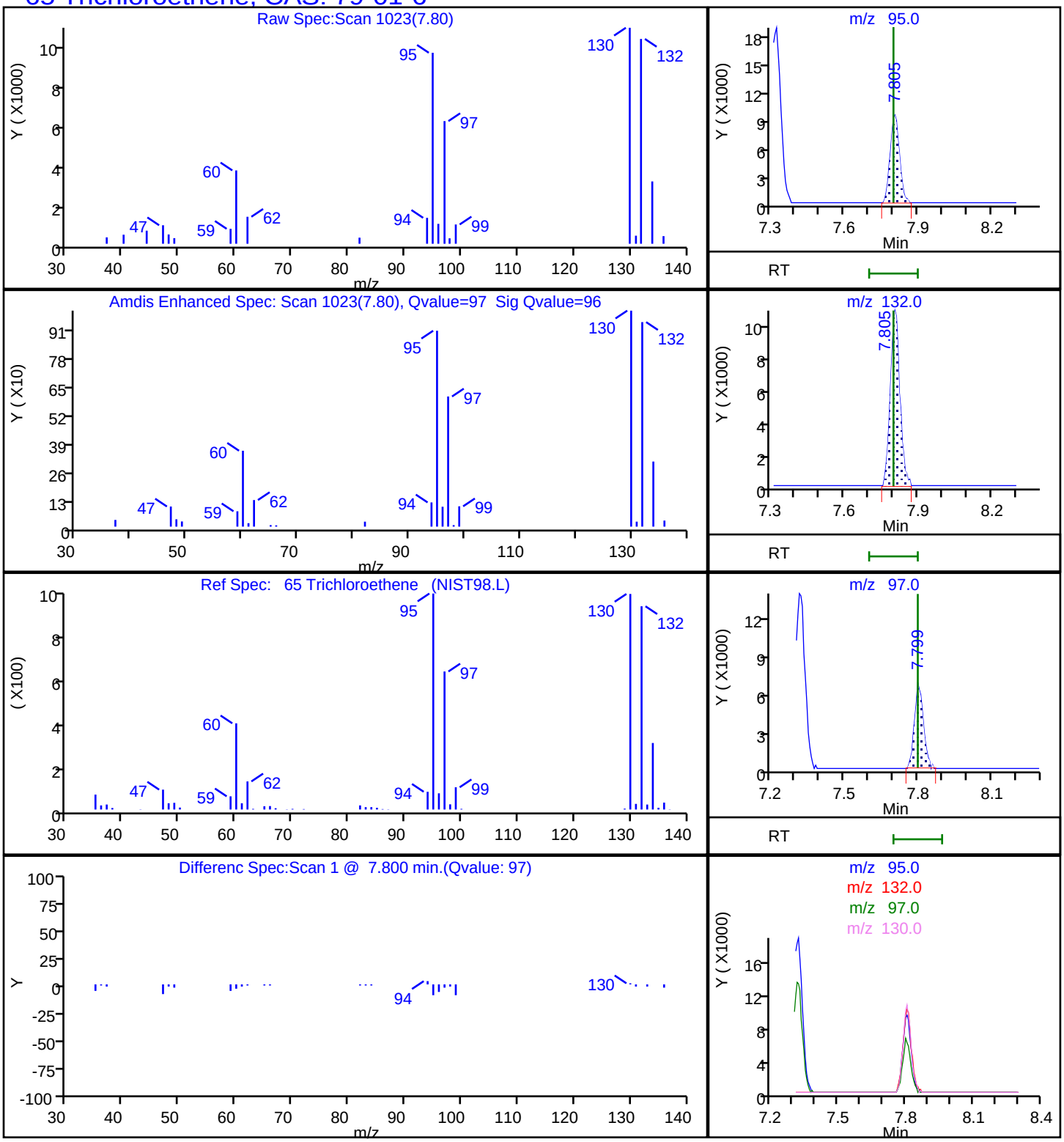


Report Date: 03-Oct-2024 06:58:34 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\23297\20241001-126519.b\4C01X53.D				
Injection Date:	02-Oct-2024 05:48:30	Instrument ID:	23297		
Lims ID:	410-190105-A-13	Lab Sample ID:	410-190105-13		
Client ID:	HD-MW-20S-0/1-0				
Operator ID:	AGD105956	ALS Bottle#:	23	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

65 Trichloroethene, CAS: 79-01-6



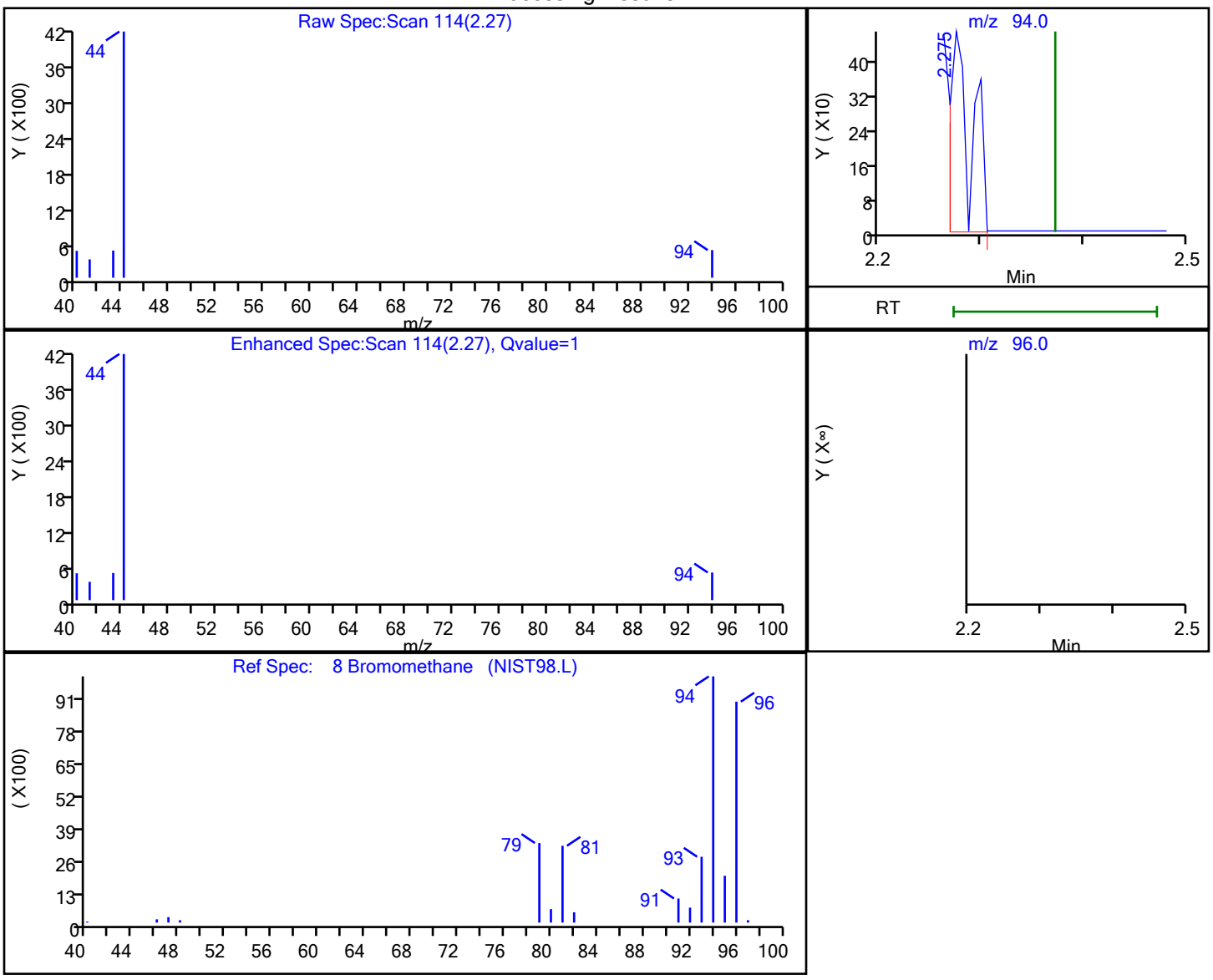
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\23297\20241001-126519.b\4C01X53.D				
Injection Date:	02-Oct-2024 05:48:30	Instrument ID:	23297		
Lims ID:	410-190105-A-13	Lab Sample ID:	410-190105-13		
Client ID:	HD-MW-20S-0/1-0				
Operator ID:	AGD105956	ALS Bottle#:	23	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

8 Bromomethane, CAS: 74-83-9

Processing Results



RT	Mass	Response	Amount
2.27	94.00	653	0.169368
2.37	96.00	0	

Reviewer: FQ4L, 03-Oct-2024 06:58:09 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.: 410-190105-1

SDG No.:

Client Sample ID: HD-MW-20M-0/1-0
Lab Sample ID: 410-190105-14

Matrix: Water
Lab File ID: 4C01X54.D

Analysis Method: 8260D
Date Collected: 09/27/2024 08:30

Sample wt/vol: 5(mL)
Date Analyzed: 10/02/2024 06:10

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 558100
Units: ug/L

Preparation Batch No.:
Instrument ID: 23297

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.30
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.30
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.30
75-34-3	1,1-Dichloroethane	ND		1.0	0.30
75-35-4	1,1-Dichloroethene	ND		1.0	0.30
106-93-4	1,2-Dibromoethane (EDB)	ND		1.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.30
78-87-5	1,2-Dichloropropane	ND		1.0	0.30
78-93-3	2-Butanone (MEK)	ND		10	0.50
591-78-6	2-Hexanone	ND		10	0.85
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	0.50
67-64-1	Acetone	ND		20	0.70
71-43-2	Benzene	ND		1.0	0.30
74-97-5	Bromochloromethane	ND		5.0	0.20
75-27-4	Bromodichloromethane	ND		1.0	0.20
75-25-2	Bromoform	ND		4.0	1.0
74-83-9	Bromomethane	ND		1.0	0.30
75-15-0	Carbon disulfide	ND		5.0	0.30
56-23-5	Carbon tetrachloride	ND		1.0	0.30
108-90-7	Chlorobenzene	ND		1.0	0.30
75-00-3	Chloroethane	ND		1.0	0.30
67-66-3	Chloroform	0.34	J	1.0	0.30
74-87-3	Chloromethane	ND		2.0	0.55
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.20
124-48-1	Dibromochloromethane	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.40
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.20
75-09-2	Methylene Chloride	ND		1.0	0.30
100-42-5	Styrene	ND		5.0	0.30
127-18-4	Tetrachloroethene	0.51	J	1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-190105-1

SDG No.:

Client Sample ID: HD-MW-20M-0/1-0
Lab Sample ID: 410-190105-14

Matrix: Water
Lab File ID: 4C01X54.D

Analysis Method: 8260D
Date Collected: 09/27/2024 08:30

Sample wt/vol: 5(mL)
Date Analyzed: 10/02/2024 06:10

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 558100
Units: ug/L

Preparation Batch No.:
Instrument ID: 23297

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		1.0	0.30
156-60-5	trans-1,2-Dichloroethene	ND		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.20
79-01-6	Trichloroethene	14		1.0	0.30
75-01-4	Vinyl chloride	ND		1.0	0.30
1330-20-7	Xylenes, Total	ND		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		80-120
460-00-4	4-Bromofluorobenzene (Surr)	96		80-120
1868-53-7	Dibromofluoromethane (Surr)	99		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\23297\20241001-126519.b\4C01X54.D
Lims ID: 410-190105-A-14
Client ID: HD-MW-20M-0/1-0
Sample Type: Client
Inject. Date: 02-Oct-2024 06:10:30 ALS Bottle#: 24 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0126519-025
Operator ID: AGD105956 Instrument ID: 23297

Method: \\chromfs\Lancaster\ChromData\23297\20241001-126519.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 03-Oct-2024 06:58:33 Calib Date: 17-Sep-2024 18:24:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20240917-125144.b\4S17X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1652

First Level Reviewer: FQ4L Date: 03-Oct-2024 06:59:01

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
4 Chloromethane	50		1.958				ND	
5 Vinyl chloride	62		2.062				ND	
8 Bromomethane	94		2.372				ND	7
9 Chloroethane	64		2.445				ND	
18 1,1-Dichloroethene	96		3.218				ND	
17 Acetone	58		3.224				ND	
22 Carbon disulfide	76		3.504				ND	
27 Methylene Chloride	84		3.820				ND	
* 28 t-Butyl alcohol-d10 (IS)	65	3.838	3.856	-0.018	94	225977	250.0	
31 Methyl tert-butyl ether	73		4.179				ND	
32 trans-1,2-Dichloroethene	96		4.179				ND	
36 1,1-Dichloroethane	63		4.842				ND	
40 2-Butanone (MEK)	43		5.663				ND	
41 cis-1,2-Dichloroethene	96		5.688				ND	7
47 Chlorobromomethane	128		6.022				ND	
50 Chloroform	83	6.192	6.180	0.012	82	1867	0.3440	
$ 51 Dibromofluoromethane (Surr)	113	6.405	6.405	0.000	94	152548	49.5	
52 1,1,1-Trichloroethane	97		6.412				ND	
54 Carbon tetrachloride	117		6.631				ND	
$ 57 1,2-Dichloroethane-d4 (Surr)	102	6.868	6.862	0.006	100	35756	48.9	
58 Benzene	78		6.898				ND	
59 1,2-Dichloroethane	62		6.971				ND	
* 62 Fluorobenzene (IS)	96	7.312	7.312	0.000	99	583229	50.0	
65 Trichloroethene	95	7.805	7.799	0.006	96	45698	14.1	
69 1,2-Dichloropropane	63		8.127				ND	
75 Dichlorobromomethane	83		8.486				ND	
78 cis-1,3-Dichloropropene	75		9.052				ND	
79 4-Methyl-2-pentanone (MIBK)	43		9.240				ND	
$ 80 Toluene-d8 (Surr)	98	9.386	9.380	0.006	93	573848	51.8	
81 Toluene	92		9.466				ND	
82 trans-1,3-Dichloropropene	75		9.739				ND	
101 1,1,2-Trichloroethane	97		9.952				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
117 Tetrachloroethene	166	10.043	10.043	0.000	82	1756	0.5131	
123 2-Hexanone	43		10.183				ND	
126 Chlorodibromomethane	129		10.342				ND	
127 Ethylene Dibromide	107		10.451				ND	
* 129 Chlorobenzene-d5 (IS)	117	10.907	10.901	0.006	84	431753	50.0	
131 Chlorobenzene	112		10.932				ND	
132 1,1,1,2-Tetrachloroethane	131		11.017				ND	
133 Ethylbenzene	91		11.023				ND	
134 m-Xylene & p-Xylene	106		11.145				ND	
S 135 Xylenes, Total	106		11.245				ND	7
136 o-Xylene	106		11.479				ND	
138 Styrene	104		11.491				ND	
139 Bromoform	173		11.650				ND	
$ 143 4-Bromofluorobenzene (Surr)	95	11.929	11.929	0.000	93	201692	48.1	
144 1,1,2,2-Tetrachloroethane	83		12.033				ND	
* 160 1,4-Dichlorobenzene-d4	152	12.824	12.818	0.006	93	261532	50.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

MSV_HP04_ISSS_00003 Amount Added: 1.00 Units: uL Run Reagent

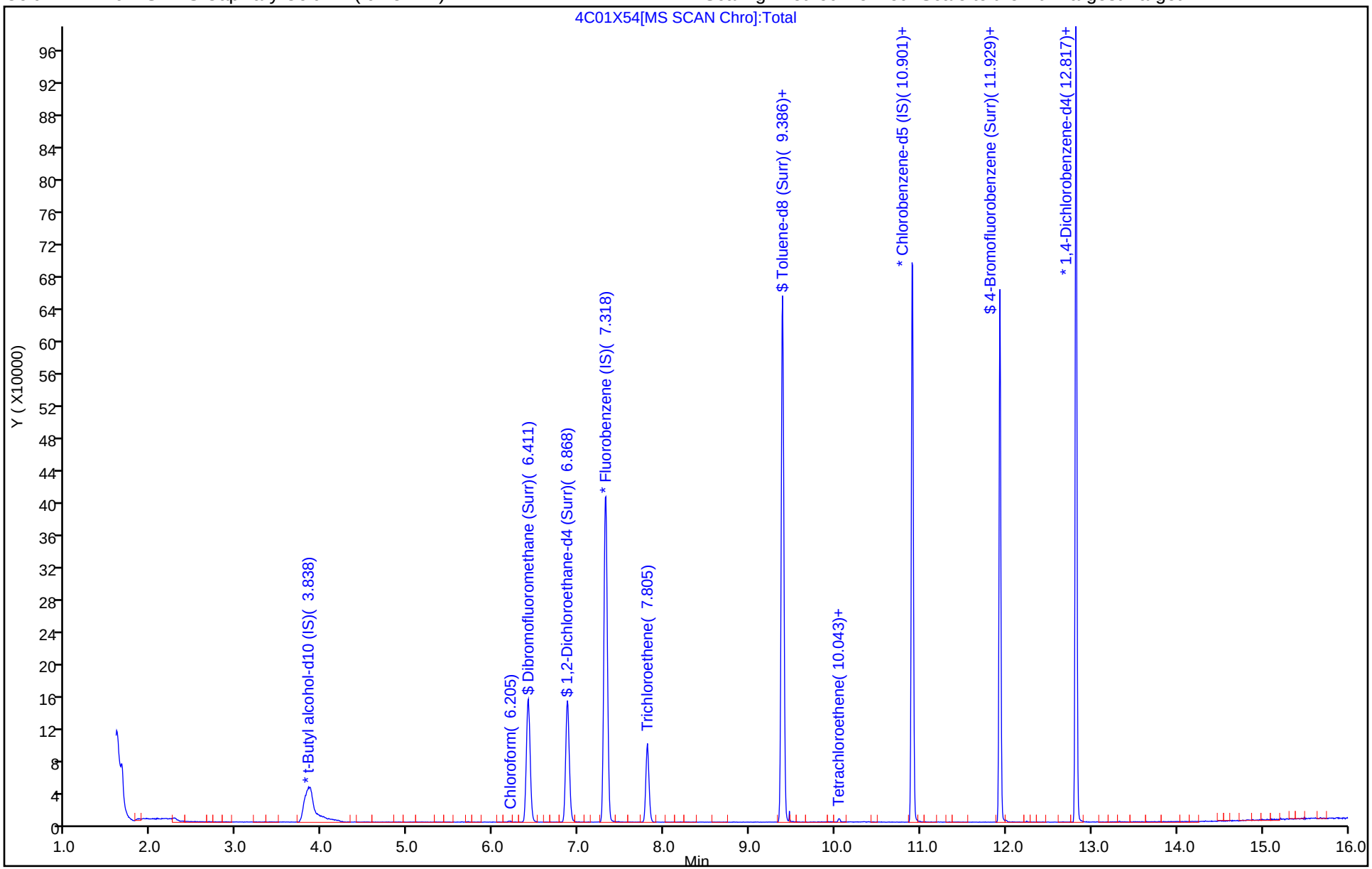
Report Date: 03-Oct-2024 06:59:01 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20241001-126519.b\4C01X54.D

Injection Date:	02-Oct-2024 06:10:30	Instrument ID:	23297	Operator ID:	AGD105956
Lims ID:	410-190105-A-14	Lab Sample ID:	410-190105-14	Worklist Smp#:	25
Client ID:	HD-MW-20M-0/1-0				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	24
Method:	MSVoa_23297	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\23297\20241001-126519.b\4C01X54.D				
Lims ID:	410-190105-A-14				
Client ID:	HD-MW-20M-0/1-0				
Sample Type:	Client				
Inject. Date:	02-Oct-2024 06:10:30	ALS Bottle#:	24	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0126519-025				
Operator ID:	AGD105956	Instrument ID:	23297		
Method:	\\chromfs\Lancaster\ChromData\23297\20241001-126519.b\MSVoa_23297.m				
Limit Group:	MSV - 8260C_D				
Last Update:	03-Oct-2024 06:58:33	Calib Date:	17-Sep-2024 18:24:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\23297\20240917-125144.b\4S17X17.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1652				

First Level Reviewer: FQ4L Date: 03-Oct-2024 06:59:01

Compound	Amount Added	Amount Recovered	% Rec.
$ 51 Dibromofluoromethane (Surr)	50.0	49.5	99.05
$ 57 1,2-Dichloroethane-d4 (Surr)	50.0	48.9	97.79
$ 80 Toluene-d8 (Surr)	50.0	51.8	103.50
$ 143 4-Bromofluorobenzene (Surr)	50.0	48.1	96.20

Report Date: 03-Oct-2024 06:59:01 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20241001-126519.b\4C01X54.D

Injection Date: 02-Oct-2024 06:10:30 Instrument ID: 23297

Lims ID: 410-190105-A-14 Lab Sample ID: 410-190105-14

Client ID: HD-MW-20M-0/1-0

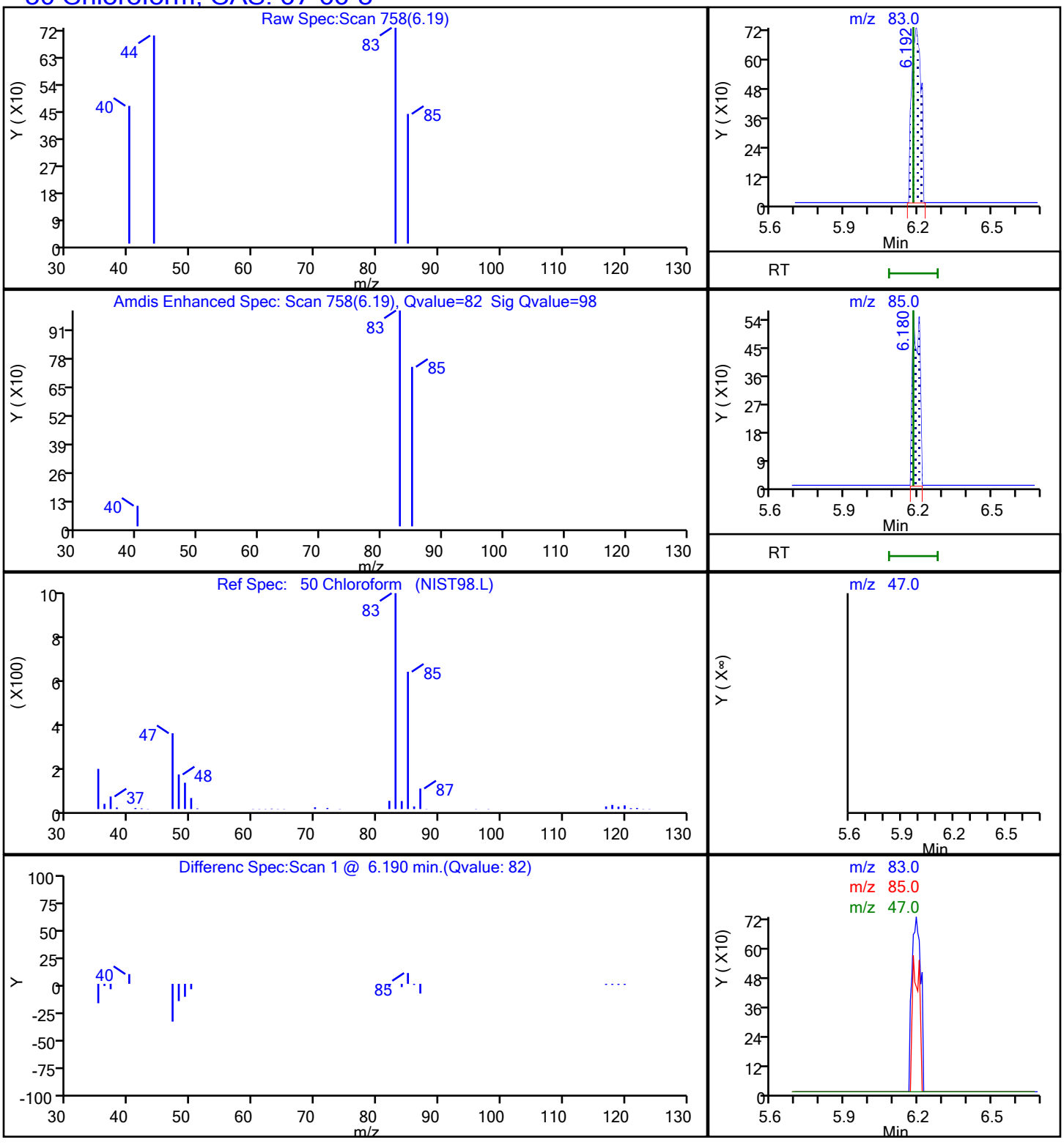
Operator ID: AGD105956 ALS Bottle#: 24 Worklist Smp#: 25

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: MSVoa_23297 Limit Group: MSV - 8260C_D

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

50 Chloroform, CAS: 67-66-3



Report Date: 03-Oct-2024 06:59:01 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20241001-126519.b\4C01X54.D

Injection Date: 02-Oct-2024 06:10:30 Instrument ID: 23297

Lims ID: 410-190105-A-14 Lab Sample ID: 410-190105-14

Client ID: HD-MW-20M-0/1-0

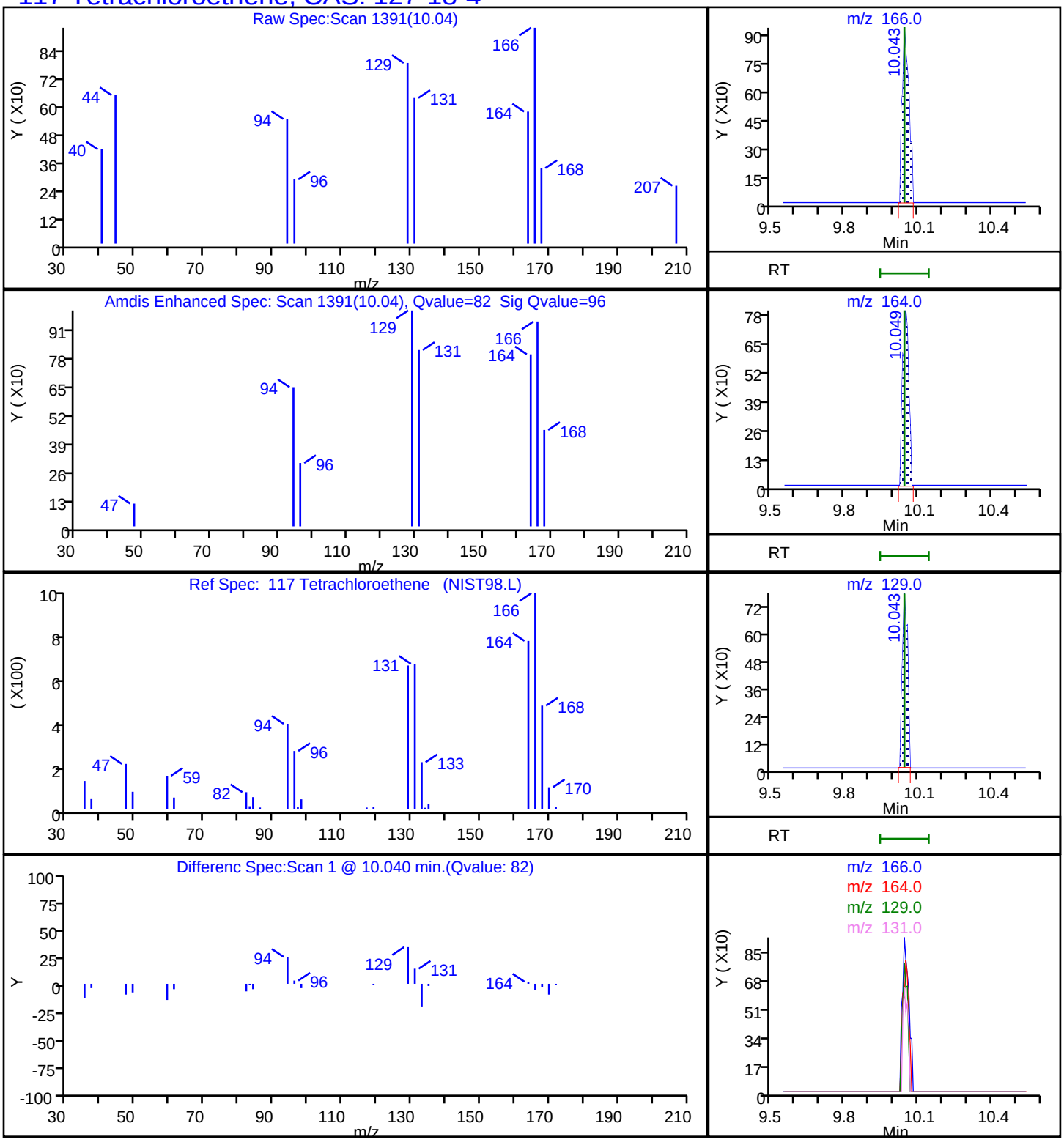
Operator ID: AGD105956 ALS Bottle#: 24 Worklist Smp#: 25

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: MSVoa_23297 Limit Group: MSV - 8260C_D

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

117 Tetrachloroethene, CAS: 127-18-4



Report Date: 03-Oct-2024 06:59:01 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20241001-126519.b\4C01X54.D

Injection Date: 02-Oct-2024 06:10:30 Instrument ID: 23297

Lims ID: 410-190105-A-14 Lab Sample ID: 410-190105-14

Client ID: HD-MW-20M-0/1-0

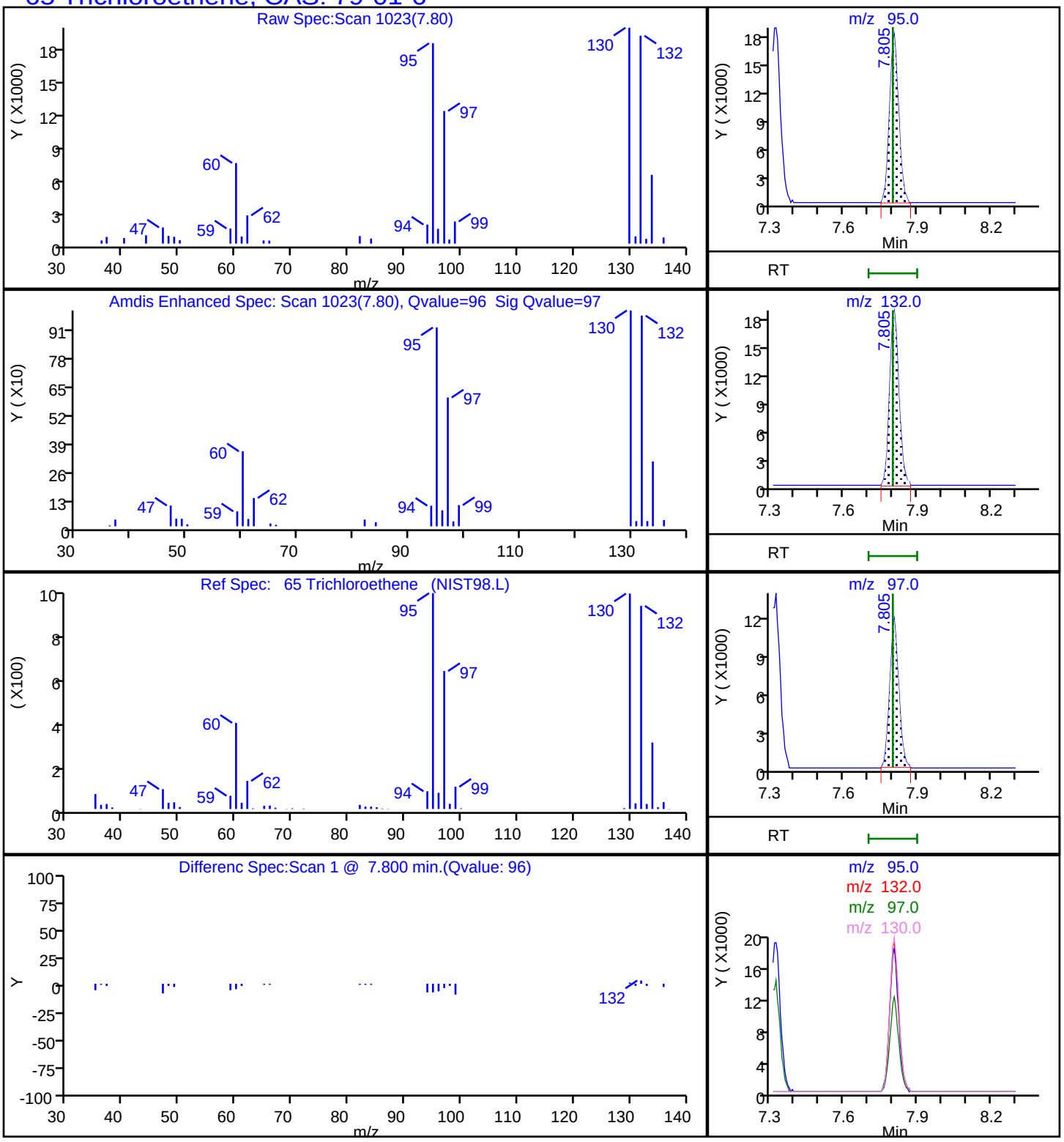
Operator ID: AGD105956 ALS Bottle#: 24 Worklist Smp#: 25

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: MSVoa_23297 Limit Group: MSV - 8260C_D

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

65 Trichloroethene, CAS: 79-01-6



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-190105-1

SDG No.:

Client Sample ID: HD-MW-14-0/1-0
Lab Sample ID: 410-190105-15

Matrix: Water
Lab File ID: 4C01X55.D

Analysis Method: 8260D
Date Collected: 09/27/2024 09:40

Sample wt/vol: 5(mL)
Date Analyzed: 10/02/2024 06:33

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 558100
Units: ug/L

Preparation Batch No.:
Instrument ID: 23297

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.30
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.30
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.30
75-34-3	1,1-Dichloroethane	ND		1.0	0.30
75-35-4	1,1-Dichloroethene	ND		1.0	0.30
106-93-4	1,2-Dibromoethane (EDB)	ND		1.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.30
78-87-5	1,2-Dichloropropane	ND		1.0	0.30
78-93-3	2-Butanone (MEK)	ND		10	0.50
591-78-6	2-Hexanone	ND		10	0.85
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	0.50
67-64-1	Acetone	ND		20	0.70
71-43-2	Benzene	ND		1.0	0.30
74-97-5	Bromochloromethane	ND		5.0	0.20
75-27-4	Bromodichloromethane	ND		1.0	0.20
75-25-2	Bromoform	ND		4.0	1.0
74-83-9	Bromomethane	ND		1.0	0.30
75-15-0	Carbon disulfide	ND		5.0	0.30
56-23-5	Carbon tetrachloride	ND		1.0	0.30
108-90-7	Chlorobenzene	ND		1.0	0.30
75-00-3	Chloroethane	ND		1.0	0.30
67-66-3	Chloroform	0.33	J	1.0	0.30
74-87-3	Chloromethane	ND		2.0	0.55
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.20
124-48-1	Dibromochloromethane	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.40
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.20
75-09-2	Methylene Chloride	ND		1.0	0.30
100-42-5	Styrene	ND		5.0	0.30
127-18-4	Tetrachloroethene	2.9		1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-190105-1

SDG No.:

Client Sample ID: HD-MW-14-0/1-0
Lab Sample ID: 410-190105-15

Matrix: Water
Lab File ID: 4C01X55.D

Analysis Method: 8260D
Date Collected: 09/27/2024 09:40

Sample wt/vol: 5(mL)
Date Analyzed: 10/02/2024 06:33

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 558100
Units: ug/L

Preparation Batch No.:
Instrument ID: 23297

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		1.0	0.30
156-60-5	trans-1,2-Dichloroethene	ND		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.20
79-01-6	Trichloroethene	ND		1.0	0.30
75-01-4	Vinyl chloride	ND		1.0	0.30
1330-20-7	Xylenes, Total	ND		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		80-120
460-00-4	4-Bromofluorobenzene (Surr)	97		80-120
1868-53-7	Dibromofluoromethane (Surr)	100		80-120
2037-26-5	Toluene-d8 (Surr)	102		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\23297\20241001-126519.b\4C01X55.D
Lims ID: 410-190105-A-15
Client ID: HD-MW-14-0/1-0
Sample Type: Client
Inject. Date: 02-Oct-2024 06:33:30 ALS Bottle#: 25 Worklist Smp#: 26
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0126519-026
Operator ID: AGD105956 Instrument ID: 23297

Method: \\chromfs\Lancaster\ChromData\23297\20241001-126519.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 03-Oct-2024 06:58:33 Calib Date: 17-Sep-2024 18:24:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20240917-125144.b\4S17X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1652

First Level Reviewer: FQ4L Date: 03-Oct-2024 06:59:32

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
4 Chloromethane	50		1.958				ND	
5 Vinyl chloride	62		2.062				ND	
8 Bromomethane	94		2.372				ND	
9 Chloroethane	64		2.445				ND	
18 1,1-Dichloroethene	96		3.218				ND	
17 Acetone	58		3.224				ND	
22 Carbon disulfide	76		3.504				ND	
27 Methylene Chloride	84		3.820				ND	
* 28 t-Butyl alcohol-d10 (IS)	65	3.850	3.856	-0.006	94	246785	250.0	
31 Methyl tert-butyl ether	73		4.179				ND	
32 trans-1,2-Dichloroethene	96		4.179				ND	
36 1,1-Dichloroethane	63		4.842				ND	
40 2-Butanone (MEK)	43		5.663				ND	
41 cis-1,2-Dichloroethene	96		5.688				ND	
47 Chlorobromomethane	128		6.022				ND	
50 Chloroform	83	6.205	6.180	0.025	83	1773	0.3256	
$ 51 Dibromofluoromethane (Surr)	113	6.405	6.405	0.000	94	155247	50.2	
52 1,1,1-Trichloroethane	97		6.412				ND	
54 Carbon tetrachloride	117		6.631				ND	
$ 57 1,2-Dichloroethane-d4 (Surr)	102	6.868	6.862	0.006	99	35719	48.7	
58 Benzene	78		6.898				ND	
59 1,2-Dichloroethane	62		6.971				ND	
* 62 Fluorobenzene (IS)	96	7.312	7.312	0.000	99	585166	50.0	
65 Trichloroethene	95	7.805	7.799	0.006	61	764	0.2342	
69 1,2-Dichloropropane	63		8.127				ND	
75 Dichlorobromomethane	83		8.486				ND	
78 cis-1,3-Dichloropropene	75		9.052				ND	
79 4-Methyl-2-pentanone (MIBK)	43		9.240				ND	
$ 80 Toluene-d8 (Surr)	98	9.380	9.380	0.000	93	573684	50.8	
81 Toluene	92		9.466				ND	
82 trans-1,3-Dichloropropene	75		9.739				ND	
101 1,1,2-Trichloroethane	97		9.952				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
117 Tetrachloroethene	166	10.043	10.043	0.000	95	10285	2.95	
123 2-Hexanone	43		10.183				ND	
126 Chlorodibromomethane	129		10.342				ND	
127 Ethylene Dibromide	107		10.451				ND	
* 129 Chlorobenzene-d5 (IS)	117	10.901	10.901	0.000	84	440135	50.0	
131 Chlorobenzene	112		10.932				ND	
132 1,1,1,2-Tetrachloroethane	131		11.017				ND	
133 Ethylbenzene	91		11.023				ND	
134 m-Xylene & p-Xylene	106		11.145				ND	
S 135 Xylenes, Total	106		11.245				ND	7
136 o-Xylene	106		11.479				ND	
138 Styrene	104		11.491				ND	
139 Bromoform	173		11.650				ND	
$ 143 4-Bromofluorobenzene (Surr)	95	11.929	11.929	0.000	93	207524	48.6	
144 1,1,2,2-Tetrachloroethane	83		12.033				ND	
* 160 1,4-Dichlorobenzene-d4	152	12.817	12.818	-0.001	94	263186	50.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

MSV_HP04_ISSS_00003 Amount Added: 1.00 Units: uL Run Reagent

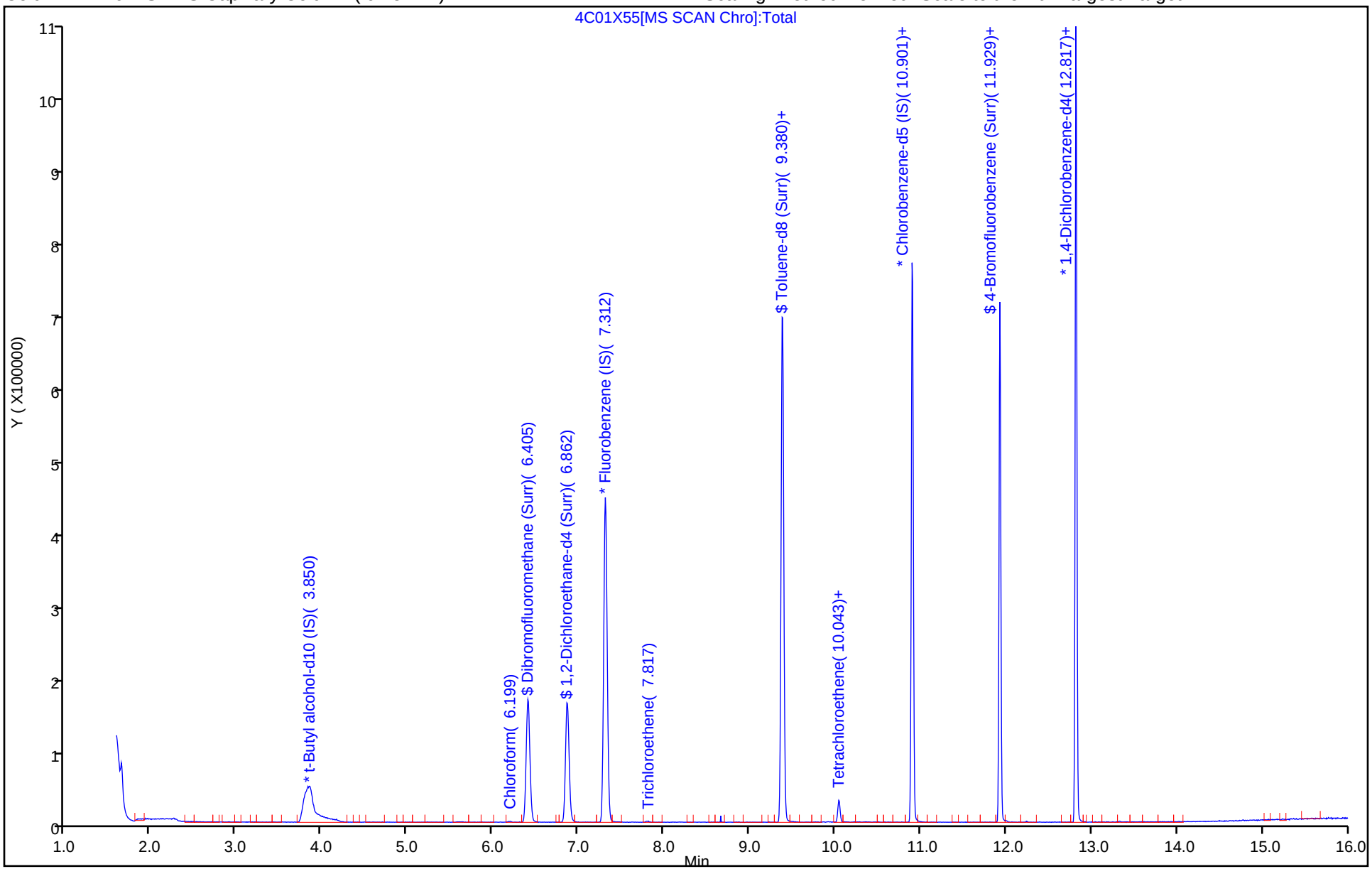
Report Date: 03-Oct-2024 06:59:33 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20241001-126519.b\4C01X55.D

Injection Date:	02-Oct-2024 06:33:30	Instrument ID:	23297	Operator ID:	AGD105956
Lims ID:	410-190105-A-15	Lab Sample ID:	410-190105-15	Worklist Smp#:	26
Client ID:	HD-MW-14-0/1-0				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	25
Method:	MSVoa_23297	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\23297\20241001-126519.b\4C01X55.D				
Lims ID:	410-190105-A-15				
Client ID:	HD-MW-14-0/1-0				
Sample Type:	Client				
Inject. Date:	02-Oct-2024 06:33:30	ALS Bottle#:	25	Worklist Smp#:	26
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0126519-026				
Operator ID:	AGD105956	Instrument ID:	23297		
Method:	\\chromfs\Lancaster\ChromData\23297\20241001-126519.b\MSVoa_23297.m				
Limit Group:	MSV - 8260C_D				
Last Update:	03-Oct-2024 06:58:33	Calib Date:	17-Sep-2024 18:24:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\23297\20240917-125144.b\4S17X17.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1652				

First Level Reviewer: FQ4L Date: 03-Oct-2024 06:59:32

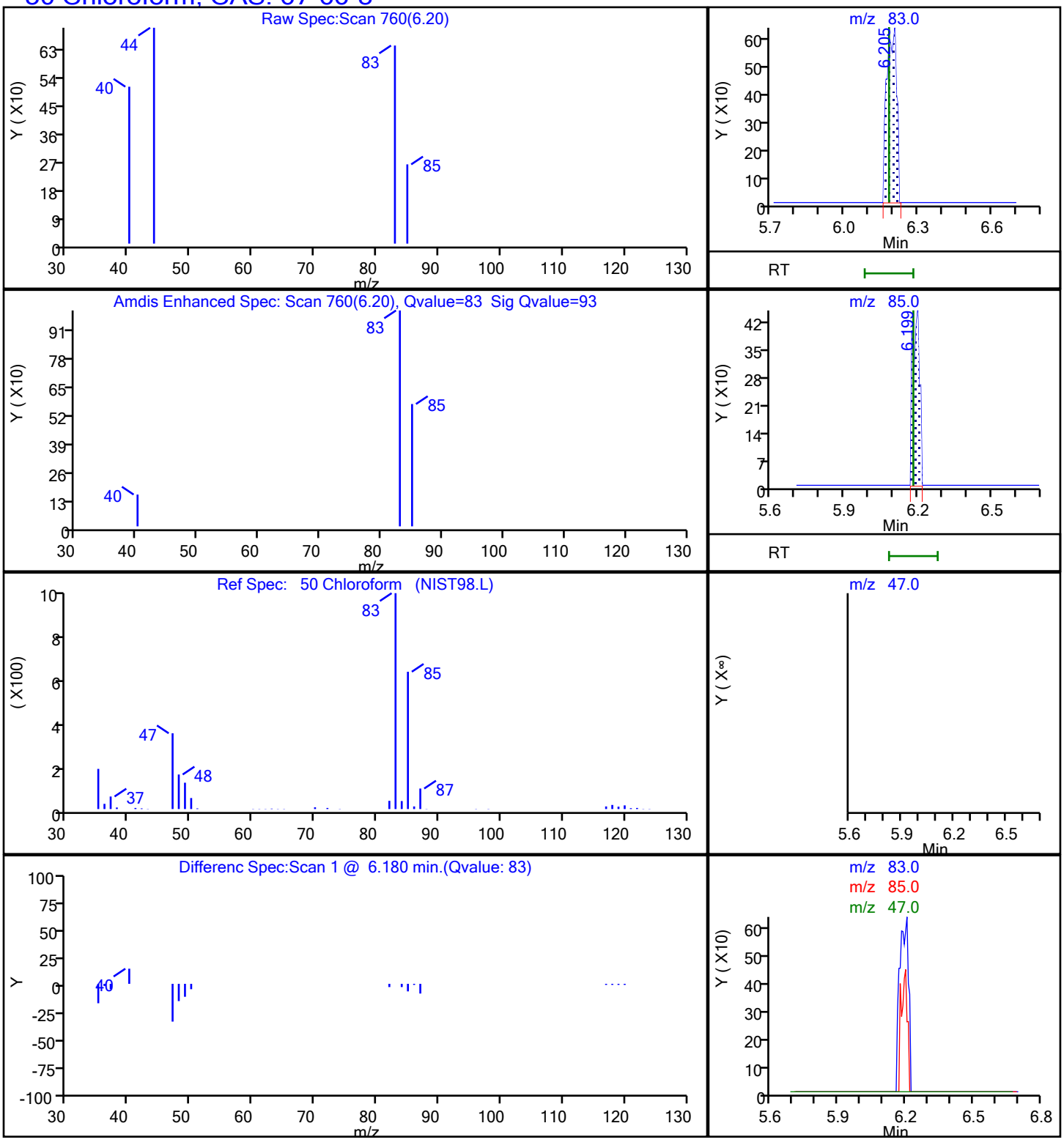
Compound	Amount Added	Amount Recovered	% Rec.
$ 51 Dibromofluoromethane (Surr)	50.0	50.2	100.47
$ 57 1,2-Dichloroethane-d4 (Surr)	50.0	48.7	97.36
$ 80 Toluene-d8 (Surr)	50.0	50.8	101.50
$ 143 4-Bromofluorobenzene (Surr)	50.0	48.6	97.10

Report Date: 03-Oct-2024 06:59:33 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\23297\20241001-126519.b\4C01X55.D				
Injection Date:	02-Oct-2024 06:33:30	Instrument ID:	23297		
Lims ID:	410-190105-A-15	Lab Sample ID:	410-190105-15		
Client ID:	HD-MW-14-0/1-0				
Operator ID:	AGD105956	ALS Bottle#:	25	Worklist Smp#:	26
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

50 Chloroform, CAS: 67-66-3

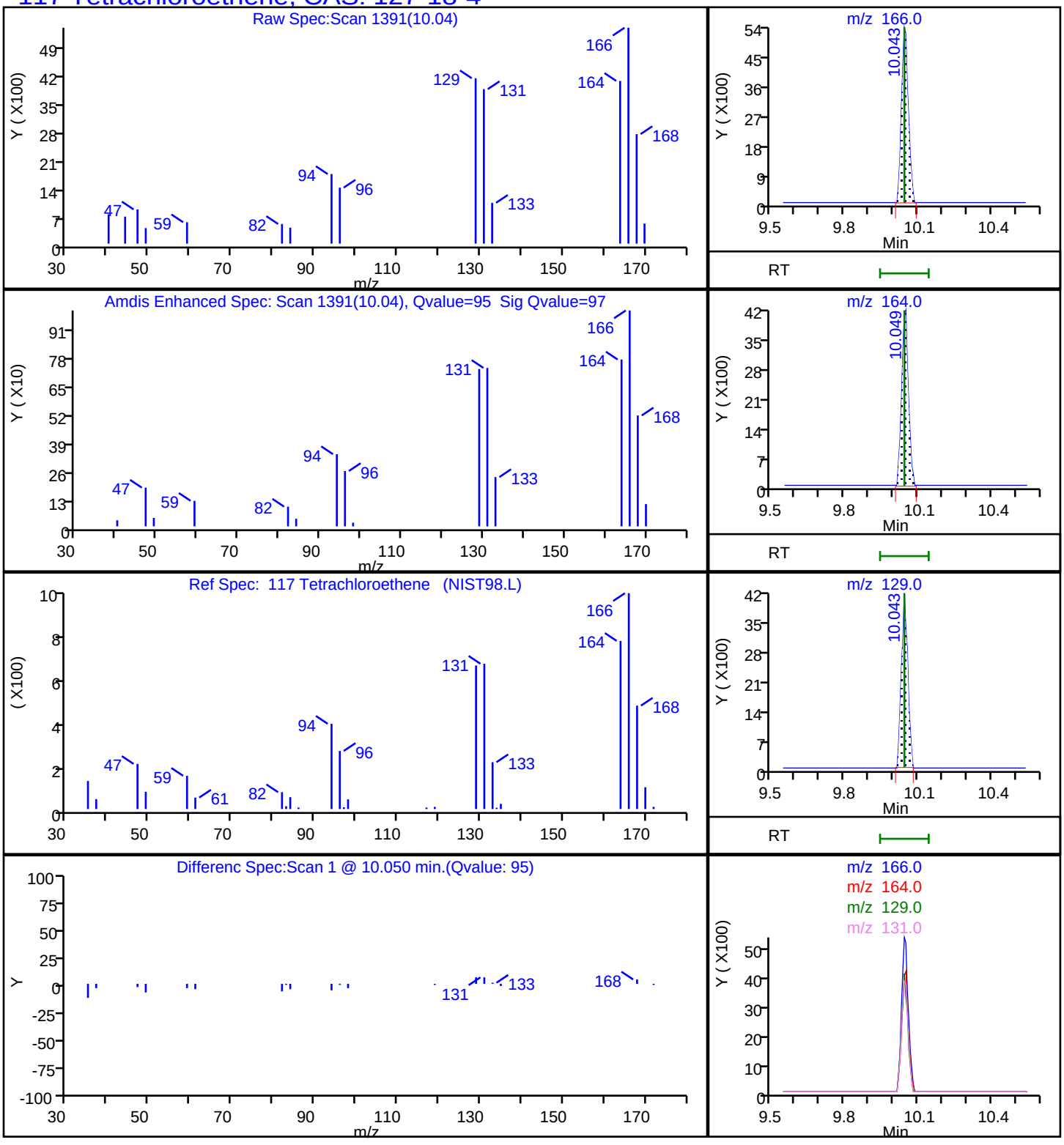


Report Date: 03-Oct-2024 06:59:33 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\23297\20241001-126519.b\4C01X55.D				
Injection Date:	02-Oct-2024 06:33:30	Instrument ID:	23297		
Lims ID:	410-190105-A-15	Lab Sample ID:	410-190105-15		
Client ID:	HD-MW-14-0/1-0				
Operator ID:	AGD105956	ALS Bottle#:	25	Worklist Smp#:	26
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

117 Tetrachloroethene, CAS: 127-18-4



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-190105-1

SDG No.:

Client Sample ID: HD-MW-22-0/1-0
Lab Sample ID: 410-190105-16

Matrix: Water
Lab File ID: 4C01X40.D

Analysis Method: 8260D
Date Collected: 09/27/2024 11:02

Sample wt/vol: 5(mL)
Date Analyzed: 10/02/2024 00:55

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 558100
Units: ug/L

Preparation Batch No.:
Instrument ID: 23297

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.30
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.30
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.30
75-34-3	1,1-Dichloroethane	ND		1.0	0.30
75-35-4	1,1-Dichloroethene	ND		1.0	0.30
106-93-4	1,2-Dibromoethane (EDB)	ND		1.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.30
78-87-5	1,2-Dichloropropane	ND		1.0	0.30
78-93-3	2-Butanone (MEK)	ND		10	0.50
591-78-6	2-Hexanone	ND		10	0.85
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	0.50
67-64-1	Acetone	ND		20	0.70
71-43-2	Benzene	ND		1.0	0.30
74-97-5	Bromochloromethane	ND		5.0	0.20
75-27-4	Bromodichloromethane	ND		1.0	0.20
75-25-2	Bromoform	ND		4.0	1.0
74-83-9	Bromomethane	ND		1.0	0.30
75-15-0	Carbon disulfide	ND		5.0	0.30
56-23-5	Carbon tetrachloride	ND		1.0	0.30
108-90-7	Chlorobenzene	ND		1.0	0.30
75-00-3	Chloroethane	ND		1.0	0.30
67-66-3	Chloroform	ND		1.0	0.30
74-87-3	Chloromethane	ND		2.0	0.55
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.20
124-48-1	Dibromochloromethane	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.40
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.20
75-09-2	Methylene Chloride	ND		1.0	0.30
100-42-5	Styrene	ND		5.0	0.30
127-18-4	Tetrachloroethene	4.9		1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-190105-1

SDG No.:

Client Sample ID: HD-MW-22-0/1-0
Lab Sample ID: 410-190105-16

Matrix: Water
Lab File ID: 4C01X40.D

Analysis Method: 8260D
Date Collected: 09/27/2024 11:02

Sample wt/vol: 5(mL)
Date Analyzed: 10/02/2024 00:55

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 558100
Units: ug/L

Preparation Batch No.:
Instrument ID: 23297

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		1.0	0.30
156-60-5	trans-1,2-Dichloroethene	ND		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.20
79-01-6	Trichloroethene	1.8		1.0	0.30
75-01-4	Vinyl chloride	ND		1.0	0.30
1330-20-7	Xylenes, Total	ND		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		80-120
460-00-4	4-Bromofluorobenzene (Surr)	97		80-120
1868-53-7	Dibromofluoromethane (Surr)	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\23297\20241001-126519.b\4C01X40.D
Lims ID: 410-190105-A-16
Client ID: HD-MW-22-0/1-0
Sample Type: Client
Inject. Date: 02-Oct-2024 00:55:30 ALS Bottle#: 10 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0126519-011
Operator ID: AGD105956 Instrument ID: 23297

Method: \\chromfs\Lancaster\ChromData\23297\20241001-126519.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 02-Oct-2024 12:29:20 Calib Date: 17-Sep-2024 18:24:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20240917-125144.b\4S17X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1678

First Level Reviewer: FQ4L Date: 02-Oct-2024 12:29:20

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
1	Chlorotrifluoroethene	116		1.764				ND	
2	Dichlorodifluoromethane	85		1.788				ND	
3	Chlorodifluoromethane	51		1.800				ND	
4	Chloromethane	50		1.958				ND	
5	Vinyl chloride	62		2.062				ND	
6	Butadiene	39		2.074				ND	7
7	2-Chloro-1,1,1-Trifluoroethane	118		2.171				ND	
8	Bromomethane	94		2.372				ND	
9	Chloroethane	64		2.445				ND	
10	Dichlorofluoromethane	67		2.664				ND	
11	Trichlorofluoromethane	101		2.725				ND	
12	Pentane	43		2.743				ND	
13	Ethanol	45		2.859				ND	
14	Ethyl ether	59		2.956				ND	
15	1,2-Dichloro-1,1,2-trifluoroetha	67		3.017				ND	
16	Acrolein	56		3.078				ND	
18	1,1-Dichloroethene	96		3.218				ND	
17	Acetone	58		3.224				ND	
19	1,1,2-Trichloro-1,2,2-trifluoroe	101		3.260				ND	
20	Isopropyl alcohol	45		3.400				ND	
21	Iodomethane	142		3.400				ND	
22	Carbon disulfide	76		3.504				ND	
24	Methyl acetate	43		3.607				ND	
25	3-Chloro-1-propene	41		3.631				ND	
23	Acetonitrile	41		3.650				ND	
T 26	Acetonitrile TIC	41		3.796				ND	
27	Methylene Chloride	84		3.820				ND	
* 28	t-Butyl alcohol-d10 (IS)	65	3.844	3.856	-0.012	94	238608	250.0	
29	2-Methyl-2-propanol	59		3.960				ND	
30	Acrylonitrile	53		4.100				ND	
31	Methyl tert-butyl ether	73		4.179				ND	
32	trans-1,2-Dichloroethene	96		4.179				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
34 Hexane	57		4.605				ND	
36 1,1-Dichloroethane	63		4.842				ND	
35 Vinyl acetate	43		4.854				ND	
37 Isopropyl ether	45		4.915				ND	
38 2-Chloro-1,3-butadiene	53		4.952				ND	
39 Tert-butyl ethyl ether	59		5.456				ND	
40 2-Butanone (MEK)	43		5.663				ND	
41 cis-1,2-Dichloroethene	96		5.688				ND	
42 2,2-Dichloropropane	77		5.706				ND	
43 Ethyl acetate	43		5.748				ND	
44 Propionitrile	54		5.748				ND	
45 Methyl acrylate	55		5.803				ND	
46 Methacrylonitrile	67		5.974				ND	
47 Chlorobromomethane	128		6.022				ND	
48 Tetrahydrofuran	71		6.040				ND	
S 49 1,2-Dichloroethene, Total	100		6.155				ND	7
50 Chloroform	83		6.180				ND	
$ 51 Dibromofluoromethane (Surr)	113	6.406	6.405	0.001	94	153226	50.1	
52 1,1,1-Trichloroethane	97		6.412				ND	
53 Cyclohexane	56		6.509				ND	
54 Carbon tetrachloride	117		6.631				ND	
55 1,1-Dichloropropene	75		6.631				ND	
56 Isobutyl alcohol	41		6.813				ND	
$ 57 1,2-Dichloroethane-d4 (Surr)	102	6.868	6.862	0.006	99	36045	49.6	
58 Benzene	78		6.898				ND	
59 1,2-Dichloroethane	62		6.971				ND	
60 Isopropyl acetate	43		7.014				ND	
61 Tert-amyl methyl ether	73		7.099				ND	
* 62 Fluorobenzene (IS)	96	7.312	7.312	0.000	99	579161	50.0	
63 n-Heptane	43		7.336				ND	
64 n-Butanol	56		7.713				ND	
65 Trichloroethene	95	7.799	7.799	0.000	94	5804	1.80	
66 t-Amyl alcohol	73		7.884				ND	
67 Ethyl acrylate	55		7.926				ND	
68 Methylcyclohexane	83		8.109				ND	
69 1,2-Dichloropropane	63		8.127				ND	
70 2-ethoxy-2-methyl butane	87		8.151				ND	
71 1,4-Dioxane	88		8.231				ND	
72 Methyl methacrylate	69		8.231				ND	
73 Dibromomethane	93		8.243				ND	
74 n-Propyl acetate	61		8.328				ND	
75 Dichlorobromomethane	83		8.486				ND	
76 2-Nitropropane	41		8.760				ND	
77 2-Chloroethyl vinyl ether	63		8.863				ND	
78 cis-1,3-Dichloropropene	75		9.052				ND	
79 4-Methyl-2-pentanone (MIBK)	43		9.240				ND	
$ 80 Toluene-d8 (Surr)	98	9.386	9.380	0.006	94	563179	51.6	
81 Toluene	92		9.466				ND	
82 trans-1,3-Dichloropropene	75		9.739				ND	
83 Ethyl methacrylate	69		9.818				ND	
T 84 2,3,4-Trichlorobutene TIC	109	12.818	9.891	2.927	0	702	0.0606	
T 85 Chloroacetaldehyde TIC	50	9.380	9.952	-0.572	17	12411	1.07	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
101 1,1,2-Trichloroethane	97		9.952				ND	
T 100 2,3-Dichloro-1,3-butadiene TIC	51	10.901	9.958	0.943	0	1793	0.1548	
T 93 Ethyl Acetate TIC	43		9.958				ND	
T 91 1-Chlorobutane TIC	56	9.386	9.958	-0.572	8	7207	0.6222	
T 90 Tetranitromethane TIC	46	9.380	9.958	-0.578	1	4853	0.4190	
T 86 1,2-Dichlorofluoroethane TIC	81		9.958				ND	
T 88 Ethyl acrylate TIC	55	9.393	9.958	-0.565	15	1872	0.1616	
T 89 1-Chloro-1,1-difluoroethane TIC	65	9.393	9.958	-0.565	1	1174	0.1014	
T 99 Epichlorohydrin TIC	57		9.958				ND	
T 94 n-Butyl acrylate TIC	55	9.393	9.958	-0.565	1	1872	0.1616	
T 95 1,1,1-Trifluoro-2,2-dichloroetha	83		9.958				ND	
T 96 Dichloro-1,1,2,2-tetrafluoroetha	85		9.958				ND	
T 92 Vinyl Fluoride TIC	46	9.380	9.958	-0.578	15	4853	0.4190	
T 98 1,1,2-Trifluoroethane TIC	51	10.901	9.958	0.943	7	1793	0.1548	
T 97 Freon 115 TIC	85		9.958				ND	
T 87 Propionaldehyde TIC	58	9.393	9.958	-0.565	1	3836	0.3312	
T 108 Nitrobenzene TIC	77	10.901	10.000	0.901	6	3143	0.2713	
T 103 n-Nonane TIC	43		10.000				ND	
T 106 Allyl Alcohol TIC	57		10.000				ND	
T 105 Diethoxymethane TIC	59		10.000				ND	
T 104 tert-amyl alcohol TIC	59	10.901	10.000	0.901	12	4086	0.3528	
T 107 Propene oxide TIC	58		10.000				ND	
T 102 Ethylene oxide TIC	43		10.000				ND	
T 109 Isooctane TIC	57	11.929	10.000	1.929	1	4584	0.3957	
T 110 Propane TIC	43		10.000				ND	
T 111 Fluoromethane TIC	34		10.000				ND	
T 112 Propanol TIC	59		10.000				ND	
T 113 Vinyl acetate (TIC)	43		10.000				ND	
T 234 Chlorotrifluoromethane TIC	65	9.393	10.000	-0.607	1	1174	0.1014	
T 213 2-ethoxy-2-methyl butane TIC	59		10.000				ND	
T 114 1,1-Dichloro-1-fluoroethane TIC	81	10.920	10.000	0.920	1	933	0.0805	
T 115 Chlorofluoromethane TIC	68	9.380	10.013	-0.633	14	5113	0.4414	
117 Tetrachloroethene	166	10.043	10.043	0.000	96	16672	4.95	
S 116 1,3-Dichloropropene, Total	100		10.060				ND	7
T 118 divinyl benzene TIC	131	10.050	10.086	-0.036	1	11917	1.03	
T 119 1-Bromo-2-chloroethane TIC	63	10.901	10.098	0.803	1	1958	0.1690	
T 120 Hexachloroethane TIC	117	10.901	10.098	0.803	1	425114	36.7	
121 1,3-Dichloropropane	76		10.123				ND	
122 3,4-Dichloro-1-butene	75		10.165				ND	
123 2-Hexanone	43		10.183				ND	
T 124 1,3-Dichlorobutene-2(total) TIC	89	10.901	10.305	0.596	8	3135	0.2707	
125 n-Butyl acetate	43		10.323				ND	
126 Chlorodibromomethane	129		10.342				ND	
127 Ethylene Dibromide	107		10.451				ND	
T 128 Bromoethane TIC	108	12.818	10.591	2.227	1	696	0.0601	
* 129 Chlorobenzene-d5 (IS)	117	10.901	10.901	0.000	84	425020	50.0	
130 1-Chlorohexane	91		10.919				ND	U
131 Chlorobenzene	112		10.932				ND	
132 1,1,1,2-Tetrachloroethane	131		11.017				ND	
133 Ethylbenzene	91		11.023				ND	
134 m-Xylene & p-Xylene	106		11.145				ND	
S 135 Xylenes, Total	106		11.245				ND	7

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
137 n-Butyl acrylate	55		11.437				ND	
136 o-Xylene	106		11.479				ND	
138 Styrene	104		11.491				ND	
139 Bromoform	173		11.650				ND	
140 Isopropylbenzene	105		11.783				ND	
141 cis-1,4-Dichloro-2-butene	88		11.832				ND	
142 Cyclohexanone	55		11.856				ND	7
$ 143 4-Bromofluorobenzene (Surr)	95	11.929	11.929	0.000	93	199980	48.4	
144 1,1,2,2-Tetrachloroethane	83		12.033				ND	
145 Bromobenzene	156		12.045				ND	
146 trans-1,4-Dichloro-2-butene	53		12.057				ND	
147 1,2,3-Trichloropropane	110		12.075				ND	
148 N-Propylbenzene	91		12.118				ND	
149 2-Chlorotoluene	126		12.191				ND	
150 1,3,5-Trimethylbenzene	105		12.258				ND	
151 4-Chlorotoluene	126		12.288				ND	
152 2,3,4-Trichlorobutene	109		12.306				ND	
154 tert-Butylbenzene	134		12.501				ND	
T 153 4-Ethyltoluene TIC	105		12.525				ND	
155 Pentachloroethane	167		12.532				ND	
156 1,2,4-Trimethylbenzene	105		12.544				ND	
157 sec-Butylbenzene	105		12.665				ND	
158 1,3-Dichlorobenzene	146		12.763				ND	
159 4-Isopropyltoluene	119		12.781				ND	
* 160 1,4-Dichlorobenzene-d4	152	12.818	12.818	0.000	94	262409	50.0	
161 1,4-Dichlorobenzene	146		12.836				ND	
163 1,2,3-Trimethylbenzene	105		12.854				ND	
T 162 1,1,1-Trichloro-2,2,2-trifluoroe	151	12.818	12.878	-0.060	1	31273	2.70	
164 Benzyl chloride	91		12.915				ND	
165 1,3-Diethylbenzene	119		12.982				ND	
166 p-Diethylbenzene	119		13.055				ND	
167 n-Butylbenzene	92		13.073				ND	
168 1,2-Dichlorobenzene	146		13.097				ND	
169 o-diethylbenzene	119		13.128				ND	
171 1,2-Dibromo-3-Chloropropane	75		13.639				ND	
170 Hexachloroethane	201		13.639				ND	
172 1,3,5-Trichlorobenzene	180		13.773				ND	
173 1,2,4-Trichlorobenzene	180		14.199				ND	
174 2-Ethylhexyl acrylate	55		14.266				ND	
175 Hexachlorobutadiene	225		14.284				ND	
176 Naphthalene	128		14.375				ND	7
177 1,2,3-Trichlorobenzene	180		14.521				ND	
178 2-Methylnaphthalene	142		15.117				ND	7
179 C4-C10	1		0.000				ND	
190 C6-C12	1		0.000				ND	
191 1-Bromo-2-chloroethane	1		0.000				ND	
180 1,1-Dichloro-1-fluoroethane	1		0.000				ND	
181 1-Chlorobutane	1		0.000				ND	
182 trans-1,2,3-Trichlorobutene-2	1		0.000				ND	
183 3-chloro-1-Butene	1		0.000				ND	
184 Propene oxide	1		0.000				ND	
S 185 Total Diethylbenzene	1		0.000				ND	7

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
186 C6-C10	1		0.000				ND	
187 Dodecane	57		0.000				ND	
188 cis-1,2,3-Trichlorobutene-2	1		0.000				ND	
202 tert-Butyl Formate	1		0.000				ND	
205 Methylal	1		0.000				ND	
203 1,1,2,2-Tetrachloro-1,2-difluoro	1		0.000				ND	
204 Butane	1		0.000				ND	
S 193 Total BTEX	1		0.000				ND	
194 1,3-Divinylbenzene	1		0.000				ND	
195 Undecane	1		0.000				ND	
196 Chloroacetonitrile	1		0.000				ND	
197 Ethyl bromide	1		0.000				ND	
198 sec-Butyl Alcohol	45		0.000				ND	
199 n-Nonane	1		0.000				ND	
200 n-Octane	1		0.000				ND	
201 2,3-Dichloro-1,3-butadiene	1		0.000				ND	
189 C5-C12	1		0.000				ND	
192 Propanol	1		0.000				ND	
206 Isobutyl acetate	43		0.000				ND	
$ 231 trans-1,2,3-Trichlorobutene-2 TI	1		0.000				ND	
218 C4-C12	1		0.000				ND	
219 n-Decane	57		0.000				ND	
208 1,4-Divinylbenzene	1		0.000				ND	
209 Diethoxymethane	1		0.000				ND	
210 3-Methyl-1-butene	1		0.000				ND	
211 2-Butoxyethyl acetate	1		0.000				ND	
212 sec-Butyl Alcohol TIC	1		0.000				ND	
214 4-Ethyltoluene	1		0.000				ND	
215 Dimethylformamide TIC	1		0.000				ND	
216 3-Pentanone TIC	1		0.000				ND	
217 Cyclopentane TIC	1		0.000				ND	
233 3-Methylhexane TIC	1		0.000				ND	
207 1-Methylnaphthalene	142		0.000				ND	
232 1,1,1,2-Tetrafluoroethane TIC	1		0.000				ND	
221 2,3-Dimethylbutane TIC	1		0.000				ND	
222 2,2-Dimethylbutane TIC	1		0.000				ND	
223 Methylcyclopentane TIC	1		0.000				ND	
224 Decamethylcyclopentasiloxane TIC	1		0.000				ND	
225 Dimethyl Sulfide TIC	1		0.000				ND	
226 2,2-Dimethylpropane TIC	1		0.000				ND	
227 2-Methylhexane TIC	1		0.000				ND	
228 1-Methylnaphthalene (TIC)	1		0.000				ND	
229 3-Methylpentane TIC	1		0.000				ND	
230 Gasoline (Unleaded)	1		0.000				ND	
S 220 divinyl benzene	1		0.000				ND	7
290 4-Hydroxy-4-methyl-2-pentanone T	1		0.000				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags
U - Marked Undetected

Reagents:

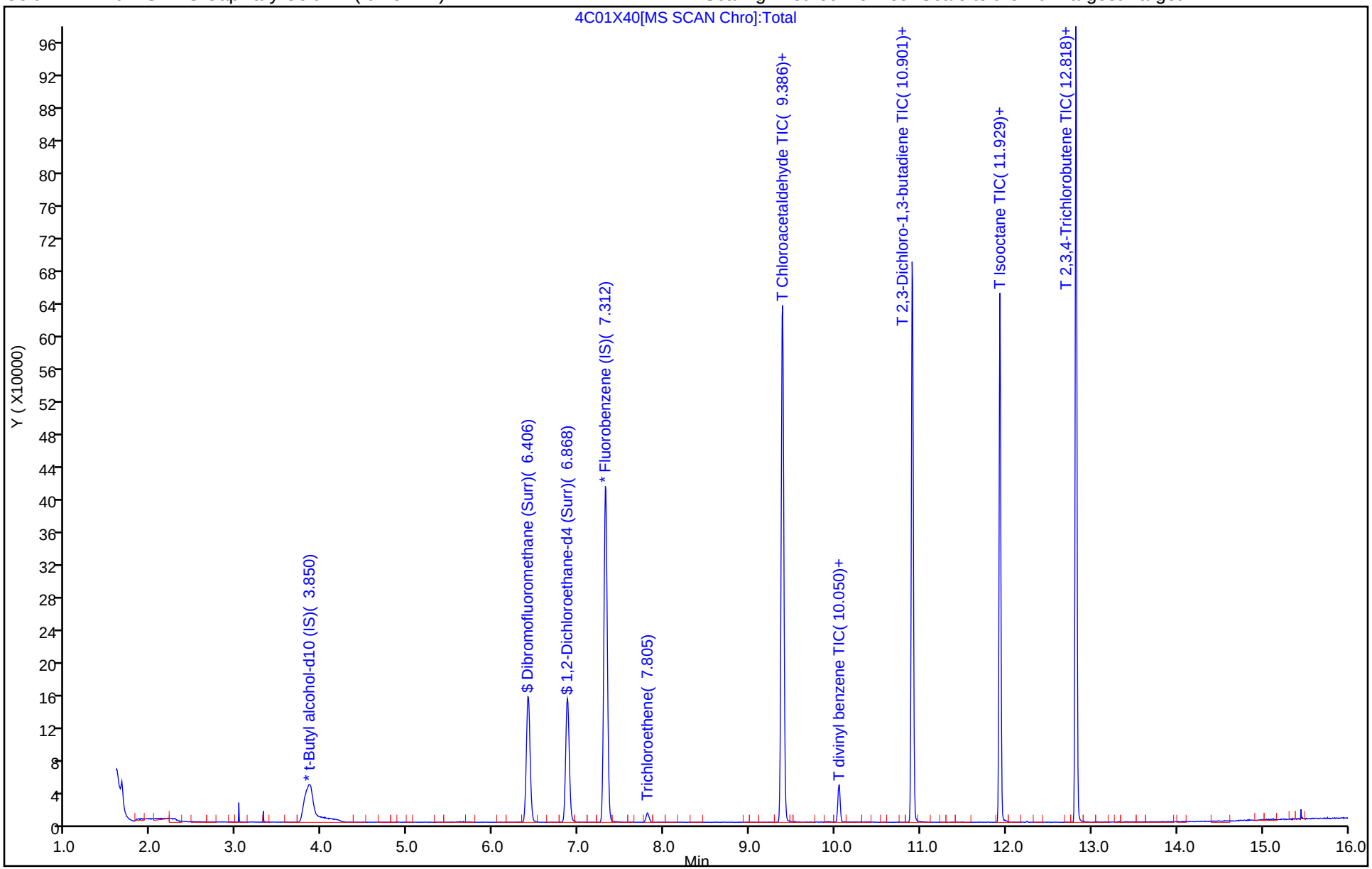
MSV_HP04_ISSS_00003 Amount Added: 1.00 Units: uL Run Reagent

Report Date: 02-Oct-2024 12:29:21 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\23297\20241001-126519.b\4C01X40.D				
Injection Date:	02-Oct-2024 00:55:30	Instrument ID:	23297	Operator ID:	AGD105956
Lims ID:	410-190105-A-16	Lab Sample ID:	410-190105-16	Worklist Smp#:	11
Client ID:	HD-MW-22-0/1-0				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	MSVoa_23297	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\23297\20241001-126519.b\4C01X40.D				
Lims ID:	410-190105-A-16				
Client ID:	HD-MW-22-0/1-0				
Sample Type:	Client				
Inject. Date:	02-Oct-2024 00:55:30	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0126519-011				
Operator ID:	AGD105956	Instrument ID:	23297		
Method:	\\chromfs\Lancaster\ChromData\23297\20241001-126519.b\MSVoa_23297.m				
Limit Group:	MSV - 8260C_D				
Last Update:	02-Oct-2024 12:29:20	Calib Date:	17-Sep-2024 18:24:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\23297\20240917-125144.b\4S17X17.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1678				

First Level Reviewer: FQ4L Date: 02-Oct-2024 12:29:20

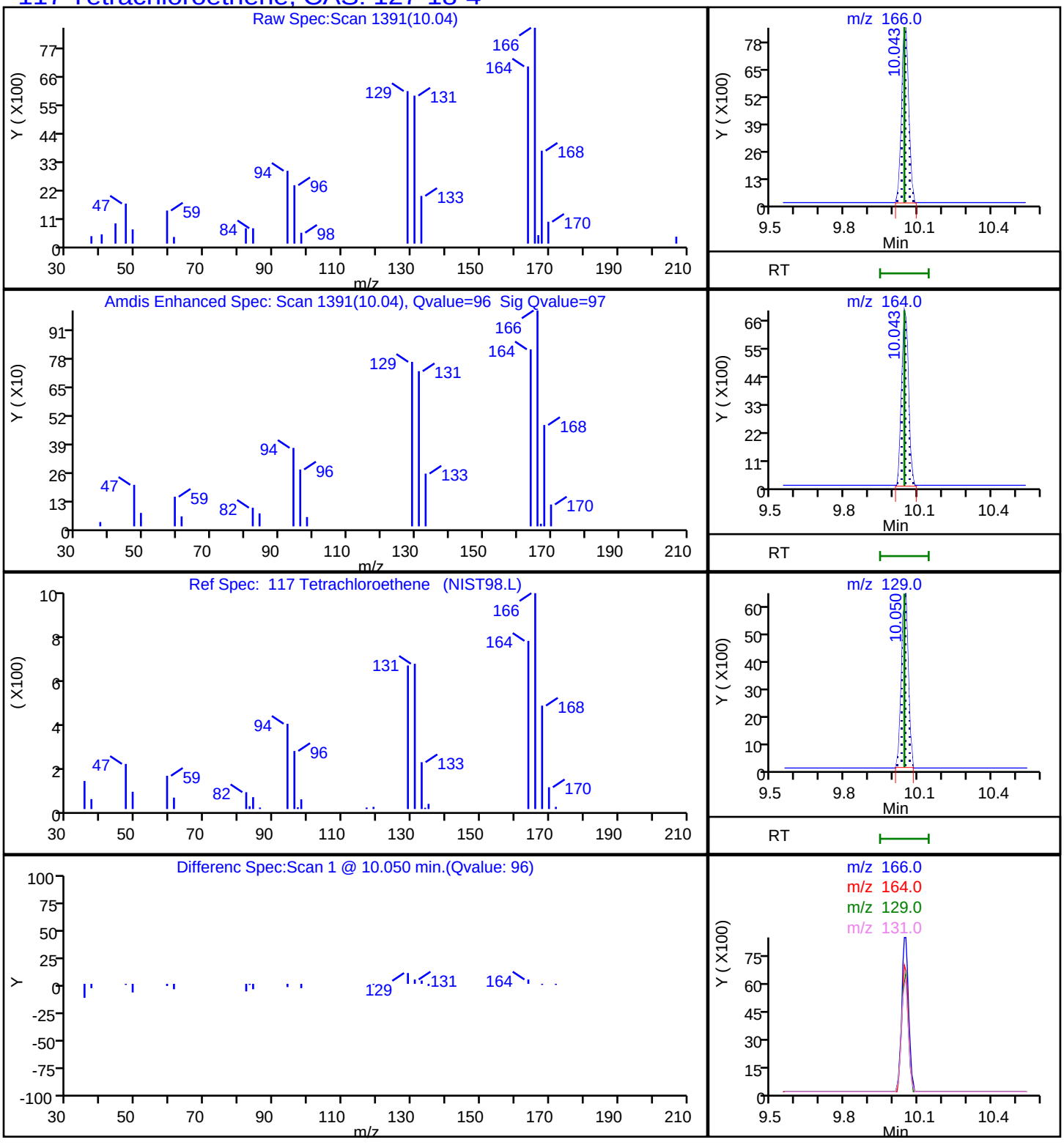
Compound	Amount Added	Amount Recovered	% Rec.
$ 51 Dibromofluoromethane (Surr)	50.0	50.1	100.19
$ 57 1,2-Dichloroethane-d4 (Surr)	50.0	49.6	99.27
$ 80 Toluene-d8 (Surr)	50.0	51.6	103.19
$ 143 4-Bromofluorobenzene (Surr)	50.0	48.4	96.90

Report Date: 02-Oct-2024 12:29:21 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\23297\20241001-126519.b\4C01X40.D				
Injection Date:	02-Oct-2024 00:55:30	Instrument ID:	23297		
Lims ID:	410-190105-A-16	Lab Sample ID:	410-190105-16		
Client ID:	HD-MW-22-0/1-0				
Operator ID:	AGD105956	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

117 Tetrachloroethene, CAS: 127-18-4

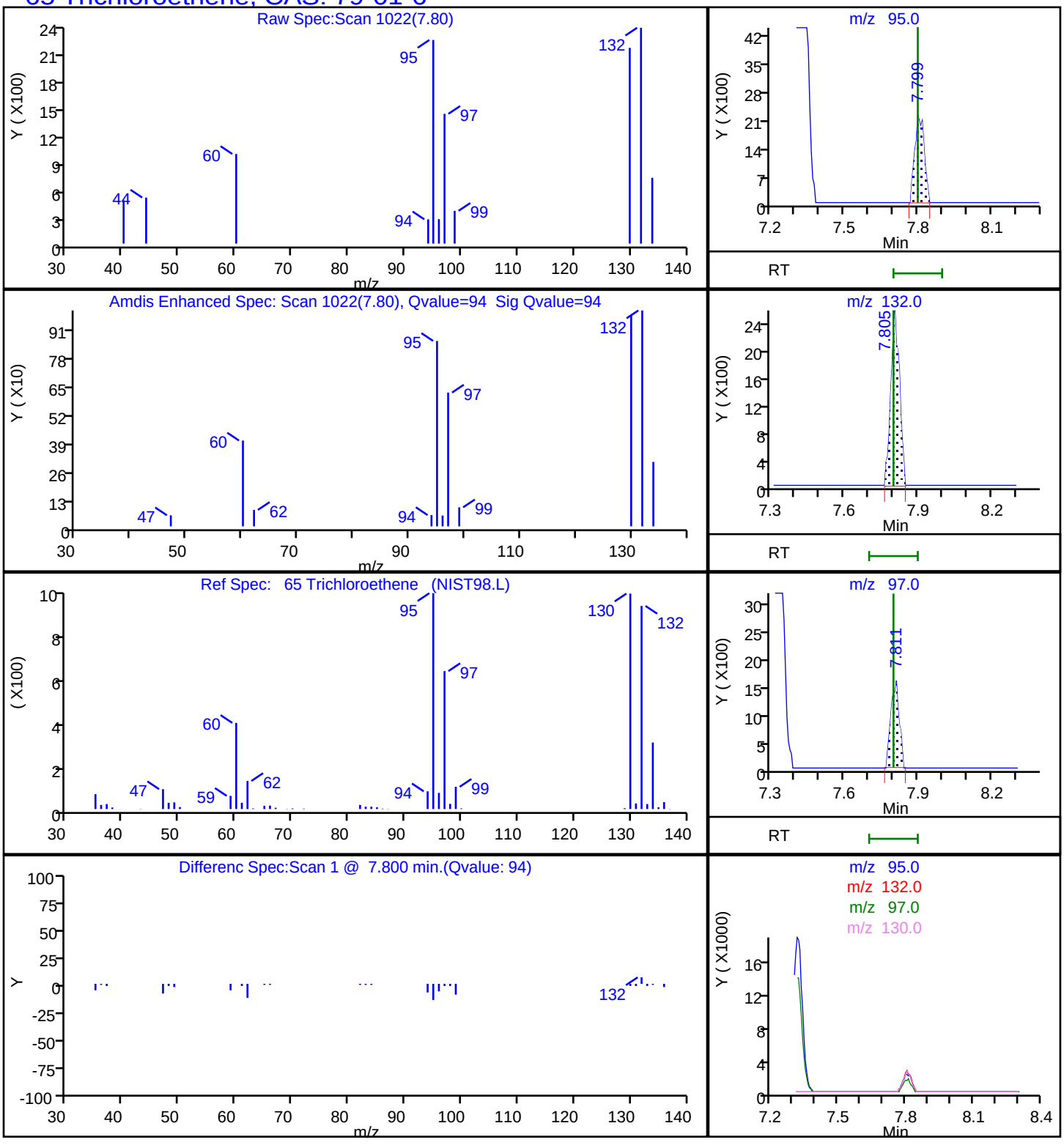


Report Date: 02-Oct-2024 12:29:21 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\23297\20241001-126519.b\4C01X40.D				
Injection Date:	02-Oct-2024 00:55:30	Instrument ID:	23297		
Lims ID:	410-190105-A-16	Lab Sample ID:	410-190105-16		
Client ID:	HD-MW-22-0/1-0				
Operator ID:	AGD105956	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

65 Trichloroethene, CAS: 79-01-6



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-190105-1

SDG No.:

Client Sample ID: HD-QC1-0/1-1
Lab Sample ID: 410-190105-17

Matrix: Water
Lab File ID: LC08X26.D

Analysis Method: 8260D
Date Collected: 09/27/2024 08:00

Sample wt/vol: 5(mL)
Date Analyzed: 10/08/2024 18:50

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 560477
Units: ug/L

Preparation Batch No.:
Instrument ID: 9915

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.30
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.30
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.30
75-34-3	1,1-Dichloroethane	ND		1.0	0.30
75-35-4	1,1-Dichloroethene	ND		1.0	0.30
106-93-4	1,2-Dibromoethane (EDB)	ND		1.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.30
78-87-5	1,2-Dichloropropane	ND		1.0	0.30
78-93-3	2-Butanone (MEK)	ND		10	0.50
591-78-6	2-Hexanone	ND		10	0.85
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	0.50
67-64-1	Acetone	ND		20	0.70
71-43-2	Benzene	ND		1.0	0.30
74-97-5	Bromochloromethane	ND		5.0	0.20
75-27-4	Bromodichloromethane	ND		1.0	0.20
75-25-2	Bromoform	ND		4.0	1.0
74-83-9	Bromomethane	ND		1.0	0.30
75-15-0	Carbon disulfide	ND		5.0	0.30
56-23-5	Carbon tetrachloride	ND		1.0	0.30
108-90-7	Chlorobenzene	ND		1.0	0.30
75-00-3	Chloroethane	ND		1.0	0.30
67-66-3	Chloroform	ND		1.0	0.30
74-87-3	Chloromethane	ND		2.0	0.55
156-59-2	cis-1,2-Dichloroethene	16		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.20
124-48-1	Dibromochloromethane	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.40
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.20
75-09-2	Methylene Chloride	ND		1.0	0.30
100-42-5	Styrene	ND		5.0	0.30
127-18-4	Tetrachloroethene	ND		1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-190105-1

SDG No.:

Client Sample ID: HD-QC1-0/1-1
Lab Sample ID: 410-190105-17

Matrix: Water
Lab File ID: LC08X26.D

Analysis Method: 8260D
Date Collected: 09/27/2024 08:00

Sample wt/vol: 5(mL)
Date Analyzed: 10/08/2024 18:50

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 560477
Units: ug/L

Preparation Batch No.:
Instrument ID: 9915

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		1.0	0.30
156-60-5	trans-1,2-Dichloroethene	ND		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.20
79-01-6	Trichloroethene	4.2		1.0	0.30
75-01-4	Vinyl chloride	0.48	J	1.0	0.30
1330-20-7	Xylenes, Total	ND		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		80-120
460-00-4	4-Bromofluorobenzene (Surr)	88		80-120
1868-53-7	Dibromofluoromethane (Surr)	99		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\9915\20241008-127062.b\LC08X26.D
Lims ID: 410-190105-A-17
Client ID: HD-QC1-0/1-1
Sample Type: Client
Inject. Date: 08-Oct-2024 18:50:30 ALS Bottle#: 26 Worklist Smp#: 27
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0127062-027
Operator ID: clm27445 Instrument ID: 9915

Method: \\chromfs\Lancaster\ChromData\9915\20241008-127062.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 09-Oct-2024 10:12:09 Calib Date: 15-Jul-2024 19:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20240715-119345.b\LL15X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1605

First Level Reviewer: FQ4L Date: 09-Oct-2024 10:13:07

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
5 Chloromethane	50		2.132				ND	7
7 Vinyl chloride	62	2.261	2.245	0.016	19	5142	0.4753	
9 Bromomethane	94		2.576				ND	
10 Chloroethane	64		2.637				ND	
18 1,1-Dichloroethene	96		3.464				ND	7
19 Acetone	58		3.483				ND	
23 Carbon disulfide	76		3.753				ND	7
27 Methylene Chloride	84		4.097				ND	7
* 28 t-Butyl alcohol-d10 (IS)	65	4.132	4.126	0.006	1	243302	250.0	
31 Methyl tert-butyl ether	73		4.499				ND	7
32 trans-1,2-Dichloroethene	96		4.505				ND	
36 1,1-Dichloroethane	63		5.177				ND	
41 2-Butanone (MEK)	43		5.988				ND	7
42 cis-1,2-Dichloroethene	96	6.033	6.013	0.020	78	96592	15.8	
49 Chlorobromomethane	128		6.348				ND	
51 Chloroform	83		6.502				ND	
$ 52 Dibromofluoromethane (Surr)	113	6.727	6.711	0.016	93	282702	49.6	
53 1,1,1-Trichloroethane	97		6.734				ND	
55 Carbon tetrachloride	117		6.955				ND	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	7.187	7.174	0.013	83	69274	50.3	
59 Benzene	78		7.213				ND	7
60 1,2-Dichloroethane	62		7.274				ND	7
* 63 Fluorobenzene (IS)	96	7.624	7.621	0.003	99	1136110	50.0	
67 Trichloroethene	95	8.107	8.103	0.004	98	24505	4.19	
70 1,2-Dichloropropane	63		8.434				ND	
76 Dichlorobromomethane	83		8.782				ND	
79 cis-1,3-Dichloropropene	75		9.335				ND	7
80 4-Methyl-2-pentanone (MIBK)	43		9.515				ND	7
$ 82 Toluene-d8 (Surr)	98	9.656	9.653	0.003	93	1048674	52.2	
90 Toluene	92		9.730				ND	7
95 trans-1,3-Dichloropropene	75		9.987				ND	7
117 1,1,2-Trichloroethane	97		10.190				ND	7

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
118 Tetrachloroethene	166		10.290				ND	
121 2-Hexanone	43		10.415				ND	7
123 Chlorodibromomethane	129		10.573				ND	
124 Ethylene Dibromide	107		10.685				ND	
* 125 Chlorobenzene-d5 (IS)	117	11.126	11.122	0.004	85	793250	50.0	
128 Chlorobenzene	112		11.151				ND	
131 1,1,1,2-Tetrachloroethane	131		11.232				ND	
132 Ethylbenzene	91		11.238				ND	7
S 133 Xylenes, Total	106		11.245				ND	7
134 m-Xylene & p-Xylene	106		11.354				ND	7
136 o-Xylene	106		11.685				ND	7
137 Styrene	104		11.701				ND	
138 Bromoform	173		11.852				ND	7
$ 142 4-Bromofluorobenzene (Surr)	95	12.129	12.129	0.000	91	350110	44.1	
145 1,1,2,2-Tetrachloroethane	83		12.229				ND	7
* 161 1,4-Dichlorobenzene-d4	152	13.013	13.010	0.003	95	448216	50.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

MSV_HP23_ISSS_00014 Amount Added: 1.00 Units: uL Run Reagent

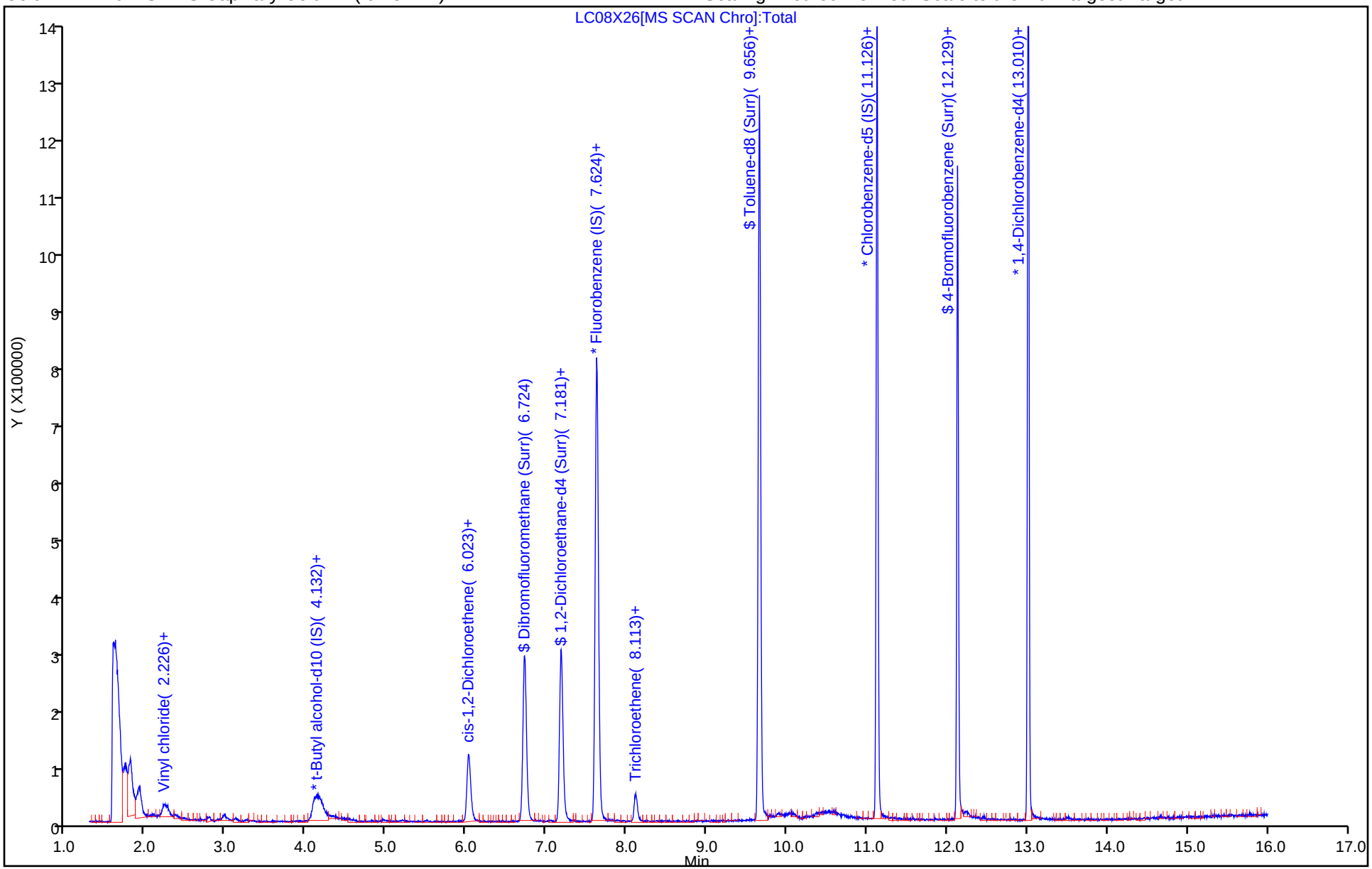
Report Date: 09-Oct-2024 10:13:09 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9915\20241008-127062.b\LC08X26.D

Injection Date:	08-Oct-2024 18:50:30	Instrument ID:	9915	Operator ID:	clm27445
Lims ID:	410-190105-A-17	Lab Sample ID:	410-190105-17	Worklist Smp#:	27
Client ID:	HD-QC1-0/1-1				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	26
Method:	MSVoa_9915a	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\9915\20241008-127062.b\LC08X26.D				
Lims ID:	410-190105-A-17				
Client ID:	HD-QC1-0/1-1				
Sample Type:	Client				
Inject. Date:	08-Oct-2024 18:50:30	ALS Bottle#:	26	Worklist Smp#:	27
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0127062-027				
Operator ID:	clm27445	Instrument ID:	9915		
Method:	\\chromfs\Lancaster\ChromData\9915\20241008-127062.b\MSVoa_9915a.m				
Limit Group:	MSV - 8260C_D				
Last Update:	09-Oct-2024 10:12:09	Calib Date:	15-Jul-2024 19:57:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9915\20240715-119345.b\LL15X17.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1605				

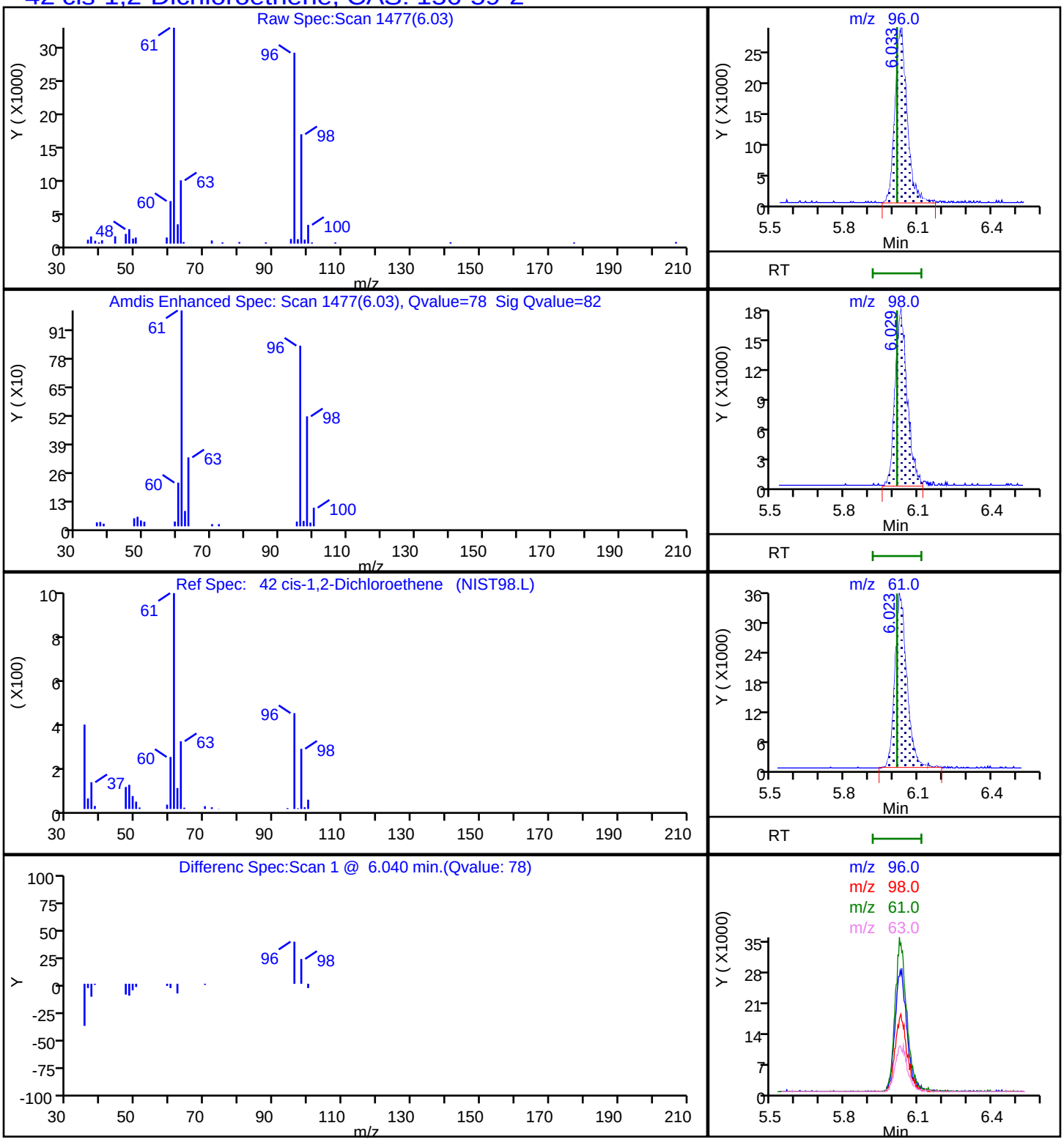
First Level Reviewer: FQ4L Date: 09-Oct-2024 10:13:07

Compound	Amount Added	Amount Recovered	% Rec.
$ 52 Dibromofluoromethane (Surr)	50.0	49.6	99.23
$ 58 1,2-Dichloroethane-d4 (Surr)	50.0	50.3	100.61
$ 82 Toluene-d8 (Surr)	50.0	52.2	104.37
$ 142 4-Bromofluorobenzene (Surr)	50.0	44.1	88.18

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\9915\20241008-127062.b\LC08X26.D				
Injection Date:	08-Oct-2024 18:50:30	Instrument ID:	9915		
Lims ID:	410-190105-A-17	Lab Sample ID:	410-190105-17		
Client ID:	HD-QC1-0/1-1				
Operator ID:	clm27445	ALS Bottle#:	26	Worklist Smp#:	27
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

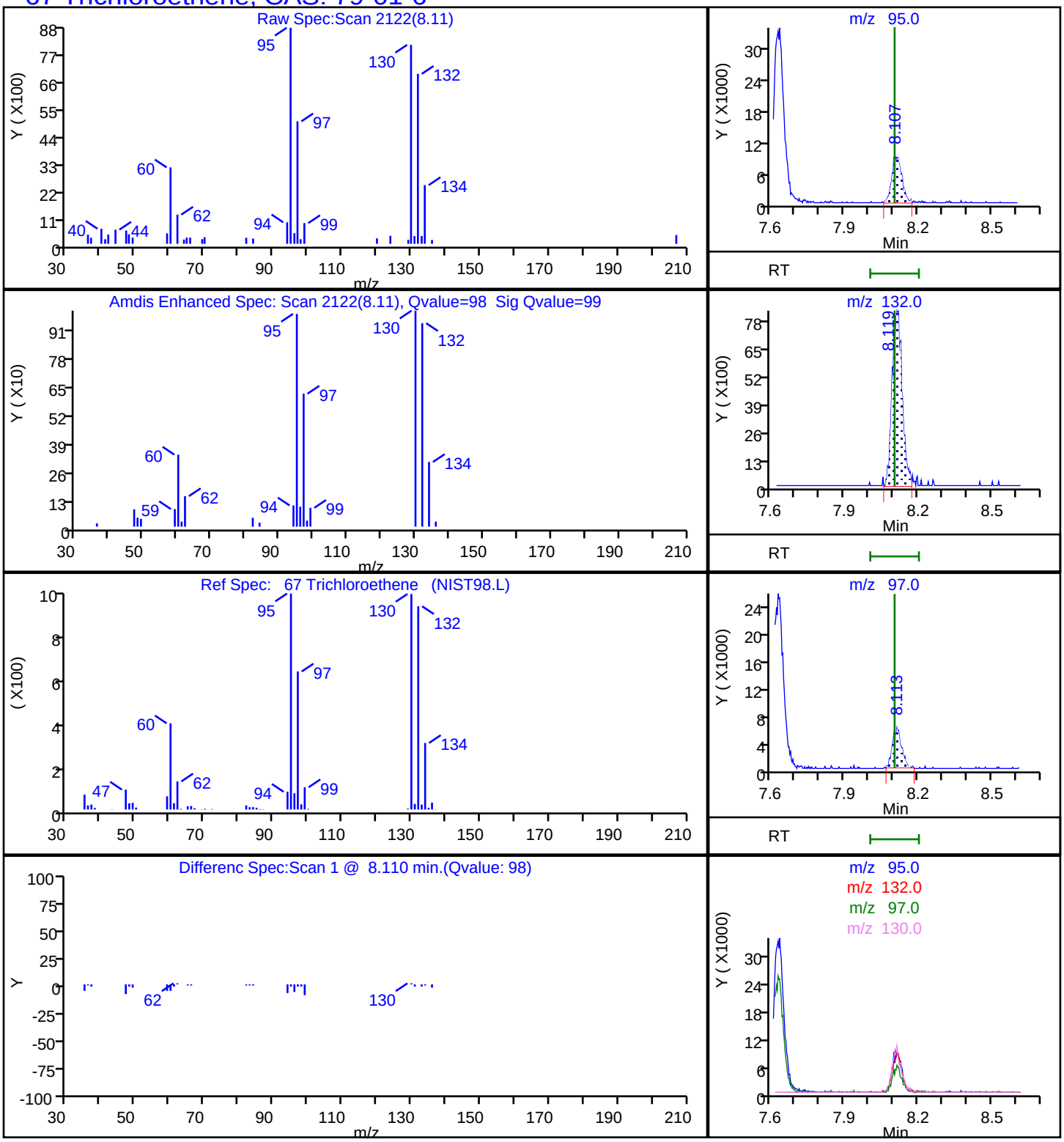
42 cis-1,2-Dichloroethene, CAS: 156-59-2



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\9915\20241008-127062.b\LC08X26.D				
Injection Date:	08-Oct-2024 18:50:30	Instrument ID:	9915		
Lims ID:	410-190105-A-17	Lab Sample ID:	410-190105-17		
Client ID:	HD-QC1-0/1-1				
Operator ID:	clm27445	ALS Bottle#:	26	Worklist Smp#:	27
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

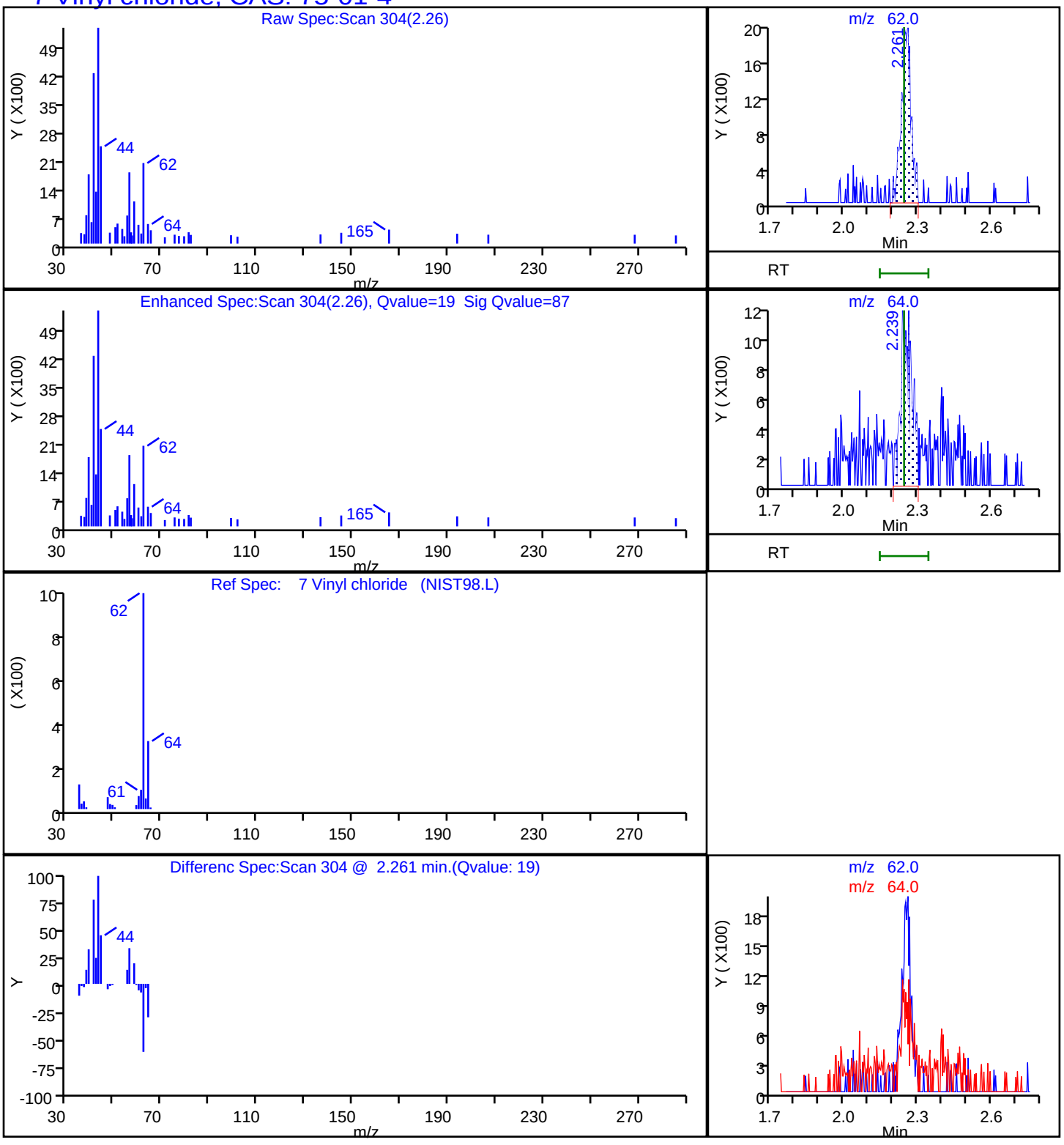
67 Trichloroethene, CAS: 79-01-6



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\9915\20241008-127062.b\LC08X26.D				
Injection Date:	08-Oct-2024 18:50:30	Instrument ID:	9915		
Lims ID:	410-190105-A-17	Lab Sample ID:	410-190105-17		
Client ID:	HD-QC1-0/1-1				
Operator ID:	clm27445	ALS Bottle#:	26	Worklist Smp#:	27
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

7 Vinyl chloride, CAS: 75-01-4



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-190105-1

SDG No.:

Client Sample ID: HD-QC1-0/1-2
Lab Sample ID: 410-190105-18

Matrix: Water
Lab File ID: 4C01X39.D

Analysis Method: 8260D
Date Collected: 09/25/2024 00:00

Sample wt/vol: 5(mL)
Date Analyzed: 10/02/2024 00:33

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 558100
Units: ug/L

Preparation Batch No.:
Instrument ID: 23297

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.30
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.30
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.30
75-34-3	1,1-Dichloroethane	ND		1.0	0.30
75-35-4	1,1-Dichloroethene	ND		1.0	0.30
106-93-4	1,2-Dibromoethane (EDB)	ND		1.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.30
78-87-5	1,2-Dichloropropane	ND		1.0	0.30
78-93-3	2-Butanone (MEK)	ND		10	0.50
591-78-6	2-Hexanone	ND		10	0.85
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	0.50
67-64-1	Acetone	ND		20	0.70
71-43-2	Benzene	ND		1.0	0.30
74-97-5	Bromochloromethane	ND		5.0	0.20
75-27-4	Bromodichloromethane	ND		1.0	0.20
75-25-2	Bromoform	ND		4.0	1.0
74-83-9	Bromomethane	ND		1.0	0.30
75-15-0	Carbon disulfide	ND		5.0	0.30
56-23-5	Carbon tetrachloride	ND		1.0	0.30
108-90-7	Chlorobenzene	ND		1.0	0.30
75-00-3	Chloroethane	ND		1.0	0.30
67-66-3	Chloroform	ND		1.0	0.30
74-87-3	Chloromethane	ND		2.0	0.55
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.20
124-48-1	Dibromochloromethane	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.40
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.20
75-09-2	Methylene Chloride	ND		1.0	0.30
100-42-5	Styrene	ND		5.0	0.30
127-18-4	Tetrachloroethene	ND		1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-190105-1

SDG No.:

Client Sample ID: HD-QC1-0/1-2
Lab Sample ID: 410-190105-18

Matrix: Water
Lab File ID: 4C01X39.D

Analysis Method: 8260D
Date Collected: 09/25/2024 00:00

Sample wt/vol: 5(mL)
Date Analyzed: 10/02/2024 00:33

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 558100
Units: ug/L

Preparation Batch No.:
Instrument ID: 23297

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		1.0	0.30
156-60-5	trans-1,2-Dichloroethene	ND		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.20
79-01-6	Trichloroethene	ND		1.0	0.30
75-01-4	Vinyl chloride	ND		1.0	0.30
1330-20-7	Xylenes, Total	ND		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		80-120
460-00-4	4-Bromofluorobenzene (Surr)	96		80-120
1868-53-7	Dibromofluoromethane (Surr)	100		80-120
2037-26-5	Toluene-d8 (Surr)	104		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\23297\20241001-126519.b\4C01X39.D
Lims ID: 410-190105-A-18
Client ID: HD-QC1-0/1-2
Sample Type: Client
Inject. Date: 02-Oct-2024 00:33:30 ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0126519-010
Operator ID: AGD105956 Instrument ID: 23297

Method: \\chromfs\Lancaster\ChromData\23297\20241001-126519.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 02-Oct-2024 12:10:44 Calib Date: 17-Sep-2024 18:24:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20240917-125144.b\4S17X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1678

First Level Reviewer: FQ4L Date: 02-Oct-2024 12:11:30

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
4 Chloromethane	50		1.958				ND	
5 Vinyl chloride	62		2.062				ND	
8 Bromomethane	94		2.372				ND	7
9 Chloroethane	64		2.445				ND	
18 1,1-Dichloroethene	96		3.218				ND	
17 Acetone	58		3.224				ND	
22 Carbon disulfide	76		3.504				ND	7
27 Methylene Chloride	84		3.820				ND	
* 28 t-Butyl alcohol-d10 (IS)	65	3.832	3.856	-0.024	94	237548	250.0	
31 Methyl tert-butyl ether	73		4.179				ND	
32 trans-1,2-Dichloroethene	96		4.179				ND	
36 1,1-Dichloroethane	63		4.842				ND	
40 2-Butanone (MEK)	43		5.663				ND	
41 cis-1,2-Dichloroethene	96		5.688				ND	
47 Chlorobromomethane	128		6.022				ND	
50 Chloroform	83		6.180				ND	
$ 51 Dibromofluoromethane (Surr)	113	6.406	6.405	0.001	94	156996	49.8	
52 1,1,1-Trichloroethane	97		6.412				ND	
54 Carbon tetrachloride	117		6.631				ND	
$ 57 1,2-Dichloroethane-d4 (Surr)	102	6.862	6.862	0.000	99	36721	49.0	
58 Benzene	78		6.898				ND	
59 1,2-Dichloroethane	62		6.971				ND	
* 62 Fluorobenzene (IS)	96	7.312	7.312	0.000	99	597383	50.0	
65 Trichloroethene	95		7.799				ND	
69 1,2-Dichloropropane	63		8.127				ND	
75 Dichlorobromomethane	83		8.486				ND	
78 cis-1,3-Dichloropropene	75		9.052				ND	
79 4-Methyl-2-pentanone (MIBK)	43		9.240				ND	
$ 80 Toluene-d8 (Surr)	98	9.380	9.380	0.000	93	589249	51.9	
81 Toluene	92		9.466				ND	
82 trans-1,3-Dichloropropene	75		9.739				ND	
101 1,1,2-Trichloroethane	97		9.952				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
117 Tetrachloroethene	166		10.043				ND	
123 2-Hexanone	43		10.183				ND	
126 Chlorodibromomethane	129		10.342				ND	
127 Ethylene Dibromide	107		10.451				ND	
* 129 Chlorobenzene-d5 (IS)	117	10.901	10.901	0.000	84	442438	50.0	
131 Chlorobenzene	112		10.932				ND	
132 1,1,1,2-Tetrachloroethane	131		11.017				ND	
133 Ethylbenzene	91		11.023				ND	
134 m-Xylene & p-Xylene	106		11.145				ND	
S 135 Xylenes, Total	106		11.245				ND	7
136 o-Xylene	106		11.479				ND	
138 Styrene	104		11.491				ND	
139 Bromoform	173		11.650				ND	
$ 143 4-Bromofluorobenzene (Surr)	95	11.929	11.929	0.000	93	207002	48.2	
144 1,1,2,2-Tetrachloroethane	83		12.033				ND	
* 160 1,4-Dichlorobenzene-d4	152	12.818	12.818	0.000	94	264294	50.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

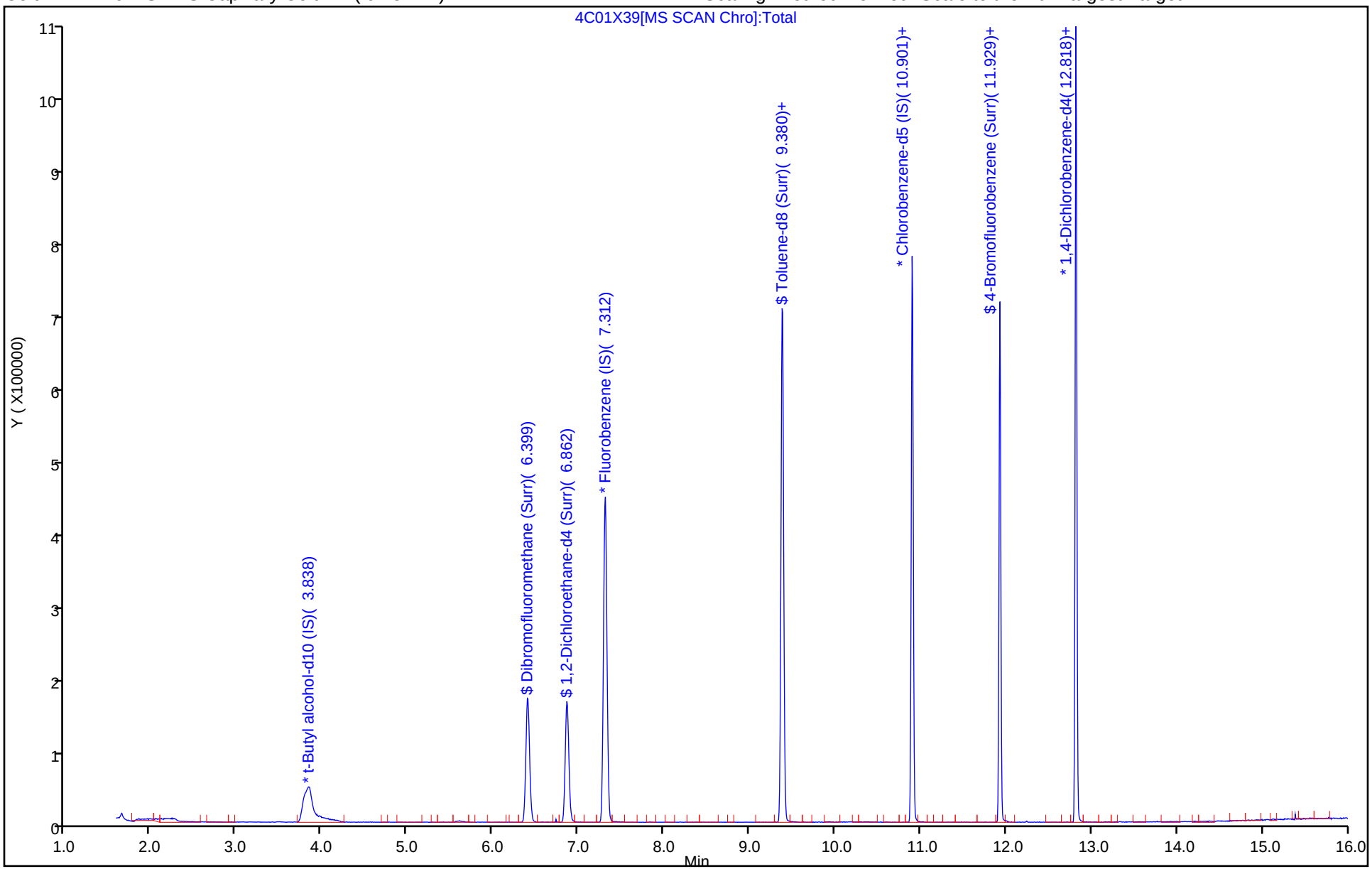
MSV_HP04_ISSS_00003 Amount Added: 1.00 Units: uL Run Reagent

Report Date: 02-Oct-2024 12:11:30 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\23297\20241001-126519.b\4C01X39.D				
Injection Date:	02-Oct-2024 00:33:30	Instrument ID:	23297	Operator ID:	AGD105956
Lims ID:	410-190105-A-18	Lab Sample ID:	410-190105-18	Worklist Smp#:	10
Client ID:	HD-QC1-0/1-2				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	MSVoa_23297	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\23297\20241001-126519.b\4C01X39.D				
Lims ID:	410-190105-A-18				
Client ID:	HD-QC1-0/1-2				
Sample Type:	Client				
Inject. Date:	02-Oct-2024 00:33:30	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0126519-010				
Operator ID:	AGD105956	Instrument ID:	23297		
Method:	\\chromfs\Lancaster\ChromData\23297\20241001-126519.b\MSVoa_23297.m				
Limit Group:	MSV - 8260C_D				
Last Update:	02-Oct-2024 12:10:44	Calib Date:	17-Sep-2024 18:24:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\23297\20240917-125144.b\4S17X17.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1678				

First Level Reviewer: FQ4L Date: 02-Oct-2024 12:11:30

Compound	Amount Added	Amount Recovered	% Rec.
$ 51 Dibromofluoromethane (Surr)	50.0	49.8	99.52
$ 57 1,2-Dichloroethane-d4 (Surr)	50.0	49.0	98.05
$ 80 Toluene-d8 (Surr)	50.0	51.9	103.71
$ 143 4-Bromofluorobenzene (Surr)	50.0	48.2	96.35

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-190105-1

SDG No.:

Client Sample ID: HD-MW-9-0/1-0
Lab Sample ID: 410-190105-19

Matrix: Water
Lab File ID: 4C01X56.D

Analysis Method: 8260D
Date Collected: 09/27/2024 11:30

Sample wt/vol: 5(mL)
Date Analyzed: 10/02/2024 06:55

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 558100
Units: ug/L

Preparation Batch No.:
Instrument ID: 23297

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.30
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.30
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.30
75-34-3	1,1-Dichloroethane	ND		1.0	0.30
75-35-4	1,1-Dichloroethene	ND		1.0	0.30
106-93-4	1,2-Dibromoethane (EDB)	ND		1.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.30
78-87-5	1,2-Dichloropropane	ND		1.0	0.30
78-93-3	2-Butanone (MEK)	ND		10	0.50
591-78-6	2-Hexanone	ND		10	0.85
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	0.50
67-64-1	Acetone	ND		20	0.70
71-43-2	Benzene	ND		1.0	0.30
74-97-5	Bromochloromethane	ND		5.0	0.20
75-27-4	Bromodichloromethane	ND		1.0	0.20
75-25-2	Bromoform	ND		4.0	1.0
74-83-9	Bromomethane	ND		1.0	0.30
75-15-0	Carbon disulfide	ND		5.0	0.30
56-23-5	Carbon tetrachloride	ND		1.0	0.30
108-90-7	Chlorobenzene	ND		1.0	0.30
75-00-3	Chloroethane	ND		1.0	0.30
67-66-3	Chloroform	ND		1.0	0.30
74-87-3	Chloromethane	ND		2.0	0.55
156-59-2	cis-1,2-Dichloroethene	15		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.20
124-48-1	Dibromochloromethane	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.40
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.20
75-09-2	Methylene Chloride	ND		1.0	0.30
100-42-5	Styrene	ND		5.0	0.30
127-18-4	Tetrachloroethene	ND		1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-190105-1

SDG No.:

Client Sample ID: HD-MW-9-0/1-0
Lab Sample ID: 410-190105-19

Matrix: Water
Lab File ID: 4C01X56.D

Analysis Method: 8260D
Date Collected: 09/27/2024 11:30

Sample wt/vol: 5(mL)
Date Analyzed: 10/02/2024 06:55

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 558100
Units: ug/L

Preparation Batch No.:
Instrument ID: 23297

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		1.0	0.30
156-60-5	trans-1,2-Dichloroethene	ND		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.20
79-01-6	Trichloroethene	4.0		1.0	0.30
75-01-4	Vinyl chloride	0.45	J	1.0	0.30
1330-20-7	Xylenes, Total	ND		1.0	0.40

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)	101		80-120
2037-26-5	Toluene-d8 (Surr)	103		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\23297\20241001-126519.b\4C01X56.D
Lims ID: 410-190105-A-19
Client ID: HD-MW-9-0/1-0
Sample Type: Client
Inject. Date: 02-Oct-2024 06:55:30 ALS Bottle#: 26 Worklist Smp#: 27
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0126519-027
Operator ID: AGD105956 Instrument ID: 23297

Method: \\chromfs\Lancaster\ChromData\23297\20241001-126519.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 03-Oct-2024 06:58:33 Calib Date: 17-Sep-2024 18:24:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20240917-125144.b\4S17X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1652

First Level Reviewer: FQ4L Date: 03-Oct-2024 07:00:17

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
4 Chloromethane	50		1.958				ND	7
5 Vinyl chloride	62	2.074	2.062	0.012	47	2254	0.4549	
8 Bromomethane	94		2.372				ND	
9 Chloroethane	64		2.445				ND	
18 1,1-Dichloroethene	96		3.218				ND	
17 Acetone	58		3.224				ND	
22 Carbon disulfide	76		3.504				ND	
27 Methylene Chloride	84		3.820				ND	
* 28 t-Butyl alcohol-d10 (IS)	65	3.850	3.856	-0.006	93	244132	250.0	
31 Methyl tert-butyl ether	73		4.179				ND	
32 trans-1,2-Dichloroethene	96		4.179				ND	
36 1,1-Dichloroethane	63		4.842				ND	
40 2-Butanone (MEK)	43		5.663				ND	
41 cis-1,2-Dichloroethene	96	5.700	5.688	0.012	78	54542	15.3	
47 Chlorobromomethane	128		6.022				ND	
50 Chloroform	83		6.180				ND	
$ 51 Dibromofluoromethane (Surr)	113	6.412	6.405	0.007	93	158173	50.6	
52 1,1,1-Trichloroethane	97		6.412				ND	
54 Carbon tetrachloride	117		6.631				ND	
$ 57 1,2-Dichloroethane-d4 (Surr)	102	6.868	6.862	0.006	100	37455	50.5	
58 Benzene	78		6.898				ND	
59 1,2-Dichloroethane	62		6.971				ND	
* 62 Fluorobenzene (IS)	96	7.318	7.312	0.006	99	591969	50.0	
65 Trichloroethene	95	7.805	7.799	0.006	95	13301	4.03	
69 1,2-Dichloropropane	63		8.127				ND	
75 Dichlorobromomethane	83		8.486				ND	
78 cis-1,3-Dichloropropene	75		9.052				ND	
79 4-Methyl-2-pentanone (MIBK)	43		9.240				ND	
$ 80 Toluene-d8 (Surr)	98	9.386	9.380	0.006	93	577198	51.3	
81 Toluene	92		9.466				ND	
82 trans-1,3-Dichloropropene	75		9.739				ND	
101 1,1,2-Trichloroethane	97		9.952				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
117 Tetrachloroethene	166		10.043				ND	
123 2-Hexanone	43		10.183				ND	
126 Chlorodibromomethane	129		10.342				ND	
127 Ethylene Dibromide	107		10.451				ND	
* 129 Chlorobenzene-d5 (IS)	117	10.901	10.901	0.000	84	438173	50.0	
131 Chlorobenzene	112		10.932				ND	
132 1,1,1,2-Tetrachloroethane	131		11.017				ND	
133 Ethylbenzene	91		11.023				ND	
134 m-Xylene & p-Xylene	106		11.145				ND	
S 135 Xylenes, Total	106		11.245				ND	7
136 o-Xylene	106		11.479				ND	
138 Styrene	104		11.491				ND	
139 Bromoform	173		11.650				ND	
$ 143 4-Bromofluorobenzene (Surr)	95	11.929	11.929	0.000	93	207838	48.8	
144 1,1,2,2-Tetrachloroethane	83		12.033				ND	
* 160 1,4-Dichlorobenzene-d4	152	12.818	12.818	0.000	94	269324	50.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

MSV_HP04_ISSS_00003 Amount Added: 1.00 Units: uL Run Reagent

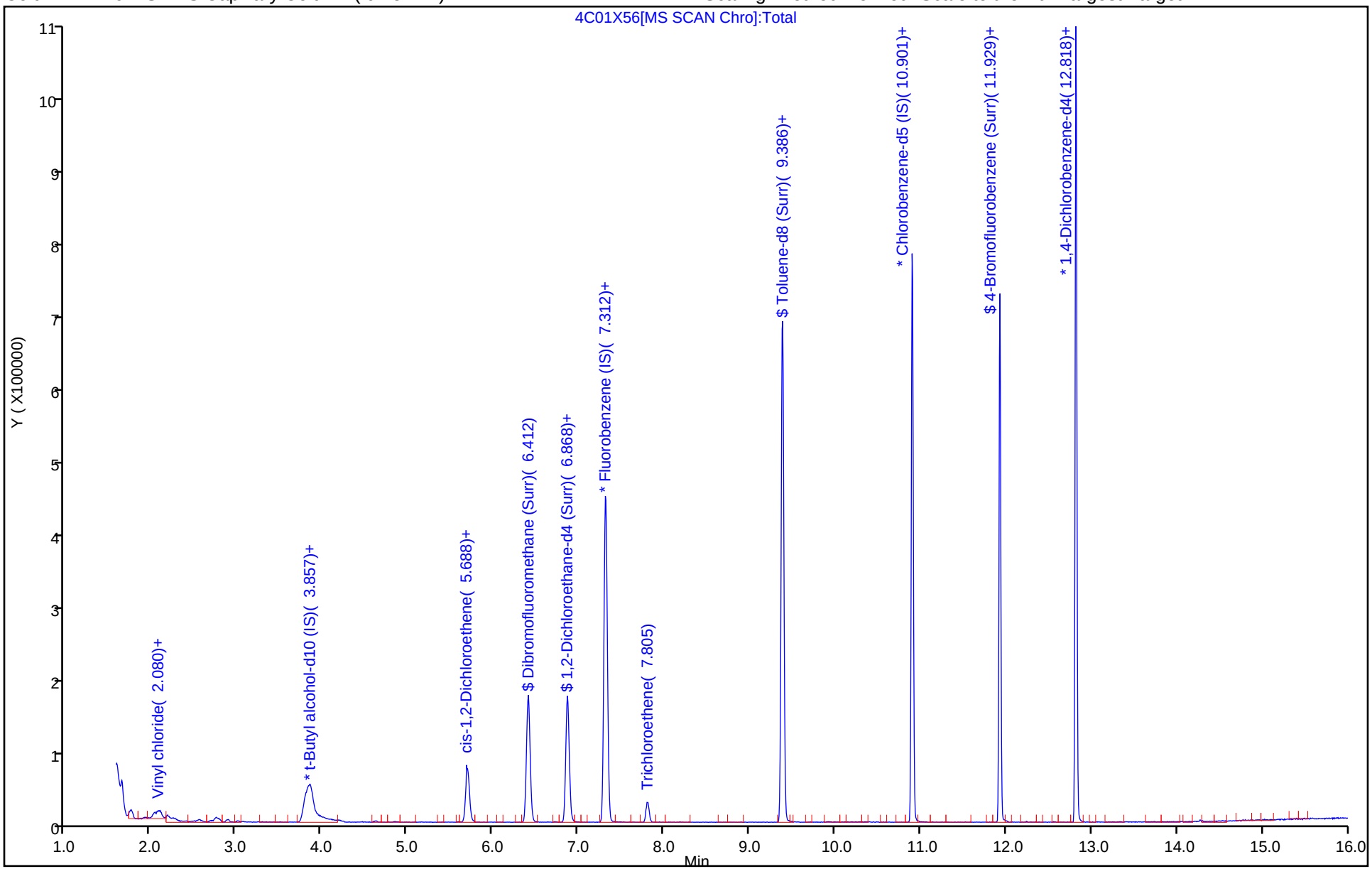
Report Date: 03-Oct-2024 07:00:17 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20241001-126519.b\4C01X56.D

Injection Date:	02-Oct-2024 06:55:30	Instrument ID:	23297	Operator ID:	AGD105956
Lims ID:	410-190105-A-19	Lab Sample ID:	410-190105-19	Worklist Smp#:	27
Client ID:	HD-MW-9-0/1-0				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	26
Method:	MSVoa_23297	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\23297\20241001-126519.b\4C01X56.D				
Lims ID:	410-190105-A-19				
Client ID:	HD-MW-9-0/1-0				
Sample Type:	Client				
Inject. Date:	02-Oct-2024 06:55:30	ALS Bottle#:	26	Worklist Smp#:	27
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0126519-027				
Operator ID:	AGD105956	Instrument ID:	23297		
Method:	\\chromfs\Lancaster\ChromData\23297\20241001-126519.b\MSVoa_23297.m				
Limit Group:	MSV - 8260C_D				
Last Update:	03-Oct-2024 06:58:33	Calib Date:	17-Sep-2024 18:24:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\23297\20240917-125144.b\4S17X17.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1652				

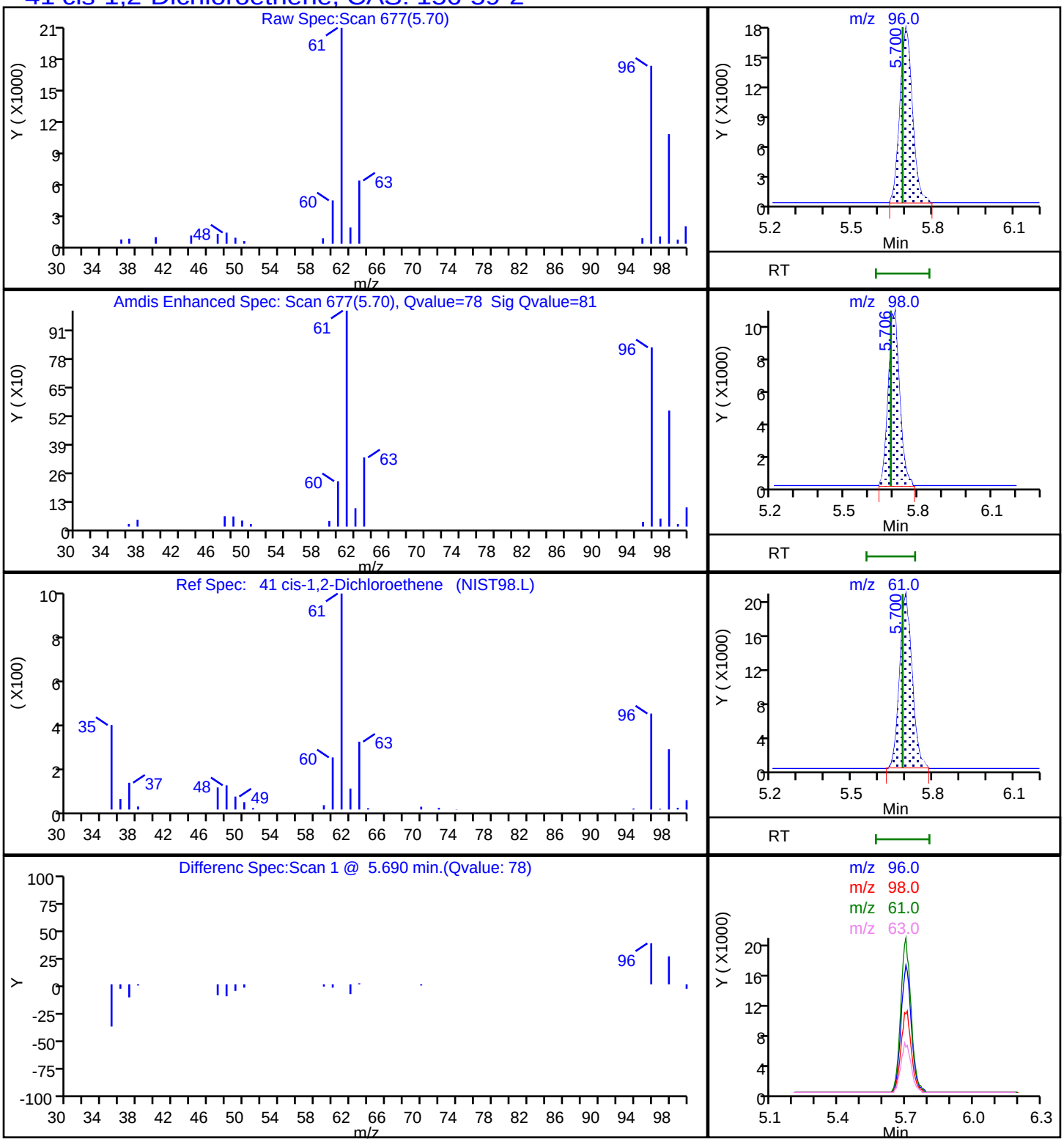
First Level Reviewer: FQ4L Date: 03-Oct-2024 07:00:17

Compound	Amount Added	Amount Recovered	% Rec.
$ 51 Dibromofluoromethane (Surr)	50.0	50.6	101.19
$ 57 1,2-Dichloroethane-d4 (Surr)	50.0	50.5	100.92
$ 80 Toluene-d8 (Surr)	50.0	51.3	102.58
$ 143 4-Bromofluorobenzene (Surr)	50.0	48.8	97.68

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\23297\20241001-126519.b\4C01X56.D				
Injection Date:	02-Oct-2024 06:55:30	Instrument ID:	23297		
Lims ID:	410-190105-A-19	Lab Sample ID:	410-190105-19		
Client ID:	HD-MW-9-0/1-0				
Operator ID:	AGD105956	ALS Bottle#:	26	Worklist Smp#:	27
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

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

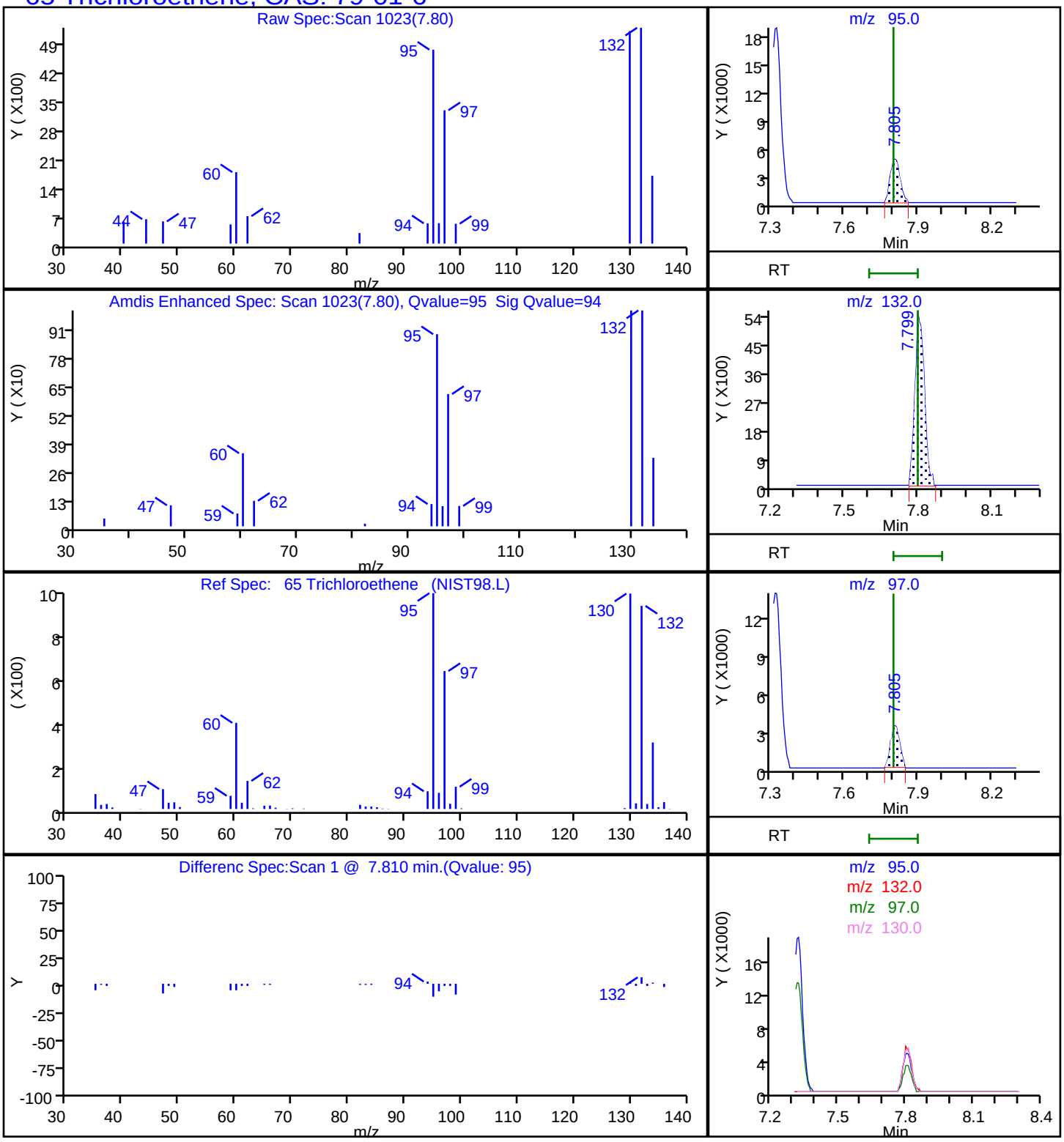


Report Date: 03-Oct-2024 07:00:18 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\23297\20241001-126519.b\4C01X56.D				
Injection Date:	02-Oct-2024 06:55:30	Instrument ID:	23297		
Lims ID:	410-190105-A-19	Lab Sample ID:	410-190105-19		
Client ID:	HD-MW-9-0/1-0				
Operator ID:	AGD105956	ALS Bottle#:	26	Worklist Smp#:	27
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

65 Trichloroethene, CAS: 79-01-6

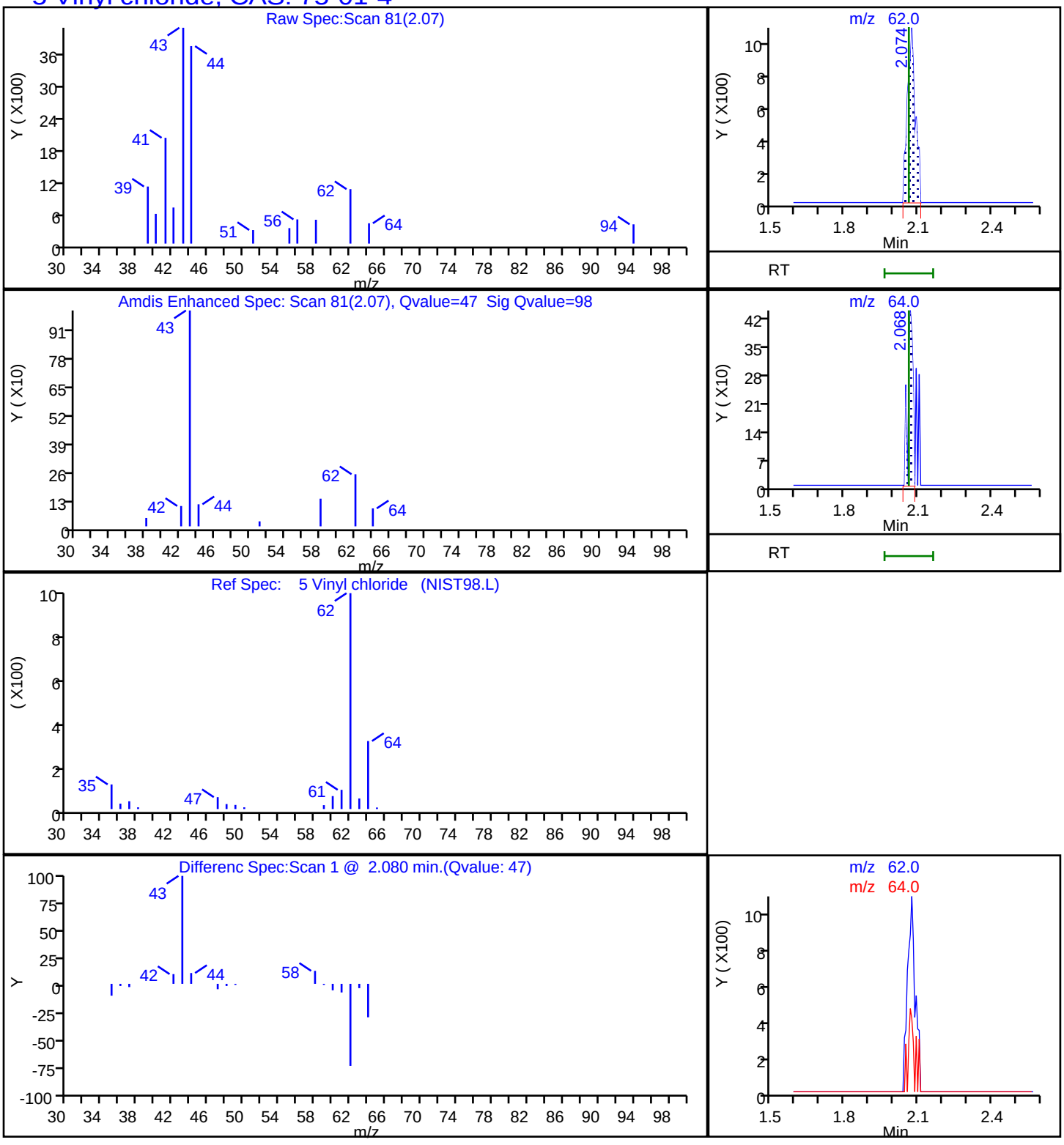


Report Date: 03-Oct-2024 07:00:17 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\23297\20241001-126519.b\4C01X56.D				
Injection Date:	02-Oct-2024 06:55:30	Instrument ID:	23297		
Lims ID:	410-190105-A-19	Lab Sample ID:	410-190105-19		
Client ID:	HD-MW-9-0/1-0				
Operator ID:	AGD105956	ALS Bottle#:	26	Worklist Smp#:	27
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

5 Vinyl chloride, CAS: 75-01-4



FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1 Analy Batch No.: 552275

SDG No.:

Instrument ID: 23297 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/17/2024 16:08 Calibration End Date: 09/17/2024 18:24 Calibration ID: 65832

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-552275/12	4S17X11.D
Level 2	IC 410-552275/13	4S17X12.D
Level 3	IC 410-552275/14	4S17X13.D
Level 4	IC 410-552275/15	4S17X14.D
Level 5	ICIS 410-552275/16	4S17X15.D
Level 6	IC 410-552275/17	4S17X16.D
Level 7	IC 410-552275/18	4S17X17.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	0.3944 0.4536	0.4838 0.4120	0.4428	0.4381	0.4360	Ave		0.4372			0.1000	6.6		20.0			
Chloromethane	0.4677 0.4401	0.5003 0.3917	0.4657	0.4528	0.4207	Ave		0.4484			0.1000	7.9		20.0			
Vinyl chloride	0.3794 0.4251	0.4541 0.3883	0.4365	0.4400	0.4063	Ave		0.4185			0.1000	6.7		20.0			
1,3-Butadiene	0.4818 0.4589	0.5330 0.4273	0.4766	0.4758	0.4410	Ave		0.4706				7.2		20.0			
Bromomethane	0.3574 0.3140	0.3744 0.2925	0.3482	0.3258	0.3067	Ave		0.3313			0.1000	8.9		20.0			
Chloroethane	0.2184 0.2214	0.2441 0.2101	0.2322	0.2296	0.2117	Ave		0.2239			0.1000	5.4		20.0			
Dichlorofluoromethane	0.6686 0.6545	0.7093 0.6000	0.7069	0.6881	0.6242	Ave		0.6645			0.1000	6.2		20.0			
Trichlorofluoromethane	0.4672 0.5450	0.5478 0.5084	0.5339	0.5346	0.5218	Ave		0.5227			0.1000	5.3		20.0			
n-Pentane	0.5164 0.4600	0.5496 0.4578	0.4794	0.4706	0.4608	Ave		0.4849				7.2		20.0			
Ethanol	+++++ 0.0873	0.0836 0.0803	0.0859	0.0709	0.0839	Ave		0.0820				7.2		20.0			
Freon 123a	0.3221 0.3253	0.3381 0.3074	0.3342	0.3365	0.3136	Ave		0.3253				3.6		20.0			
Acrolein	1.0457 1.0975	0.9752 1.1651	0.9465	0.9955	0.9890	Ave		1.0307				7.5		20.0			
1,1-Dichloroethene	0.2361 0.2462	0.2518 0.2415	0.2546	0.2503	0.2390	Ave		0.2456			0.1000	2.8		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.: 410-190105-1 Analy Batch No.: 552275

SDG No.:

Instrument ID: 23297 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/17/2024 16:08 Calibration End Date: 09/17/2024 18:24 Calibration ID: 65832

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	0.5823 0.6155	0.5745 0.5926	0.6055	0.5875	0.5686	Ave		0.5895			0.1000	2.8		20.0			
Freon 113	0.2590 0.3137	0.3085 0.2961	0.3001	0.2942	0.3047	Ave		0.2966			0.1000	6.1		20.0			
Methyl iodide	0.5496 0.5619	0.5823 0.5283	0.5822	0.5767	0.5482	Ave		0.5613				3.6		20.0			
2-Propanol	0.4234 0.6729	0.5827 0.5704	0.7015	0.7456	0.6935	Ave		0.6272				17.6		20.0			
Carbon disulfide	0.9158 0.9475	0.9992 0.8838	0.9372	0.9475	0.9113	Ave		0.9346			0.1000	3.9		20.0			
Methyl acetate	0.2708 0.3311	0.3278 0.3141	0.3507	0.3474	0.3356	Ave		0.3254			0.1000	8.3		20.0			
Allyl chloride	0.5057 0.3920	0.4545 0.3814	0.4086	0.4066	0.3901	Ave		0.4198				10.7		20.0			
Methylene Chloride	0.3090 0.2876	0.2973 0.2776	0.2936	0.3003	0.2846	Ave		0.2929			0.1000	3.6		20.0			
t-Butyl alcohol	1.0239 1.0645	1.0535 0.9255	1.1145	1.0436	1.0174	Ave		1.0347				5.6		20.0			
Acrylonitrile	0.1635 0.1743	0.1734 0.1690	0.1830	0.1757	0.1747	Ave		0.1733				3.5		20.0			
Methyl tert-butyl ether	0.8381 0.8376	0.8732 0.7681	0.8923	0.8732	0.8407	Ave		0.8462			0.1000	4.8		20.0			
trans-1,2-Dichloroethene	0.2385 0.2533	0.2753 0.2438	0.2677	0.2656	0.2510	Ave		0.2565			0.1000	5.3		20.0			
n-Hexane	0.3158 0.3580	0.3692 0.3319	0.3488	0.3342	0.3532	Ave		0.3444				5.3		20.0			
1,1-Dichloroethane	0.4043 0.4262	0.4551 0.4058	0.4438	0.4468	0.4230	Ave		0.4293			0.2000	4.7		20.0			
Isopropyl ether	0.7983 0.8004	0.8129 0.7622	0.8474	0.8132	0.7923	Ave		0.8038				3.2		20.0			
2-Chloro-1,3-butadiene	0.3554 0.3819	0.4078 0.3616	0.3932	0.3924	0.3755	Ave		0.3811				4.9		20.0			
Ethyl t-butyl ether	0.8040 0.8152	0.8311 0.7638	0.8515	0.8232	0.8082	Ave		0.8138				3.3		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1 Analy Batch No.: 552275

SDG No.:

Instrument ID: 23297 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/17/2024 16:08 Calibration End Date: 09/17/2024 18:24 Calibration ID: 65832

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-Butanone (MEK)	0.3189 0.2587	0.2894 0.2511	0.2614	0.2714	0.2483	Ave		0.2713			0.1000	9.3		20.0			
cis-1,2-Dichloroethene	0.2954 0.2947	0.3203 0.2816	0.3198	0.3061	0.2934	Ave		0.3016			0.1000	4.8		20.0			
2,2-Dichloropropane	0.4563 0.4385	0.4737 0.4164	0.4535	0.4469	0.4299	Ave		0.4450				4.2		20.0			
Propionitrile	0.7334 1.0184	0.9263 0.9766	0.9273	1.0323	0.9783	Ave		0.9418				10.7		20.0			
Methacrylonitrile	0.1762 0.1787	0.1738 0.1737	0.1861	0.1815	0.1773	Ave		0.1782				2.5		20.0			
Bromochloromethane	0.1531 0.1641	0.1721 0.1574	0.1747	0.1708	0.1642	Ave		0.1652				4.8		20.0			
Tetrahydrofuran	0.9093 0.9333	0.9048 0.9067	0.9158	0.9416	0.9104	Ave		0.9174				1.6		20.0			
Chloroform	0.4670 0.4544	0.4882 0.4304	0.4901	0.4748	0.4521	Ave		0.4653			0.2000	4.6		20.0			
1,1,1-Trichloroethane	0.4407 0.4436	0.4614 0.4246	0.4551	0.4491	0.4312	Ave		0.4437			0.1000	2.9		20.0			
Cyclohexane	0.4305 0.4968	0.4946 0.4776	0.4772	0.4659	0.4767	Ave		0.4742			0.1000	4.7		20.0			
Carbon tetrachloride	0.3378 0.3969	0.4031 0.3846	0.3857	0.3965	0.3869	Ave		0.3845			0.1000	5.7		20.0			
1,1-Dichloropropene	0.3300 0.3580	0.3615 0.3460	0.3649	0.3611	0.3496	Ave		0.3530				3.5		20.0			
Isobutyl alcohol	0.3734 0.3715	0.3605 0.3311	0.3956	0.3640	0.3484	Ave		0.3635				5.6		20.0			
Benzene	1.0173 1.0466	1.0708 1.0038	1.0737	1.0712	1.0307	Ave		1.0449			0.5000	2.7		20.0			
1,2-Dichloroethane	0.3520 0.3622	0.3632 0.3494	0.3792	0.3700	0.3627	Ave		0.3627			0.1000	2.8		20.0			
t-Amyl methyl ether	0.7727 0.8021	0.8152 0.7551	0.8373	0.8153	0.8025	Ave		0.8000				3.5		20.0			
n-Heptane	0.4231 0.3587	0.3855 0.3306	0.3588	0.3413	0.3539	Ave		0.3645				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.: 410-190105-1 Analy Batch No.: 552275

SDG No.:

Instrument ID: 23297 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/17/2024 16:08 Calibration End Date: 09/17/2024 18:24 Calibration ID: 65832

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								
n-Butanol	0.1661 0.3040	0.2409 0.2703	0.2981	0.2647	0.2809	Ave		0.2607				18.0		20.0			
Trichloroethene	0.2415 0.2844	0.2881 0.2754	0.2965	0.2883	0.2769	Ave		0.2787			0.2000	6.4		20.0			
Methylcyclohexane	0.4645 0.5282	0.5253 0.5129	0.5000	0.4918	0.5127	Ave		0.5051			0.1000	4.4		20.0			
1,2-Dichloropropane	0.2421 0.2680	0.2672 0.2641	0.2754	0.2693	0.2590	Ave		0.2636			0.1000	4.1		20.0			
t-Amyl ethyl ether	0.3578 0.4110	0.3986 0.4038	0.4083	0.3964	0.4050	Ave		0.3973				4.6		20.0			
1,4-Dioxane	+++++ 0.0823	0.0727 0.0733	0.0822	0.0682	0.0752	Ave		0.0756			0.0050	7.4		20.0			
Methyl methacrylate	0.2279 0.2658	0.2331 0.2647	0.2623	0.2606	0.2518	Ave		0.2523				6.2		20.0			
Dibromomethane	0.1736 0.1969	0.1967 0.1931	0.2023	0.2006	0.1949	Ave		0.1940				4.9		20.0			
Bromodichloromethane	0.3174 0.3576	0.3509 0.3525	0.3488	0.3452	0.3434	Ave		0.3451			0.2000	3.8		20.0			
2-Nitropropane	1.7053 1.7446	1.5903 1.6972	1.7090	1.7203	1.6789	Ave		1.6922				2.9		20.0			
2-Chloroethyl vinyl ether	0.0877 0.1584	0.1198 0.1666	0.1397	0.1455	0.1469	Ave		0.1378				19.3		20.0			
cis-1,3-Dichloropropene	0.3833 0.4502	0.4237 0.4545	0.4317	0.4311	0.4306	Ave		0.4293			0.2000	5.4		20.0			
4-Methyl-2-pentanone (MIBK)	0.5570 0.5234	0.5249 0.4887	0.5418	0.5321	0.5027	Ave		0.5244			0.1000	4.4		20.0			
Toluene	0.7686 0.8482	0.8697 0.7961	0.8949	0.8611	0.8313	Ave		0.8386			0.4000	5.2		20.0			
trans-1,3-Dichloropropene	0.4612 0.5189	0.4874 0.5092	0.5182	0.5070	0.5034	Ave		0.5008			0.1000	4.1		20.0			
Ethyl methacrylate	0.5763 0.5703	0.5638 0.5362	0.6017	0.5785	0.5615	Ave		0.5698				3.5		20.0			
1,1,2-Trichloroethane	0.3210 0.3334	0.3455 0.3181	0.3554	0.3411	0.3329	Ave		0.3353			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.: 410-190105-1 Analy Batch No.: 552275

SDG No.:

Instrument ID: 23297 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/17/2024 16:08 Calibration End Date: 09/17/2024 18:24 Calibration ID: 65832

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								
Tetrachloroethene	0.3700 0.4007	0.4242 0.3775	0.4052	0.4017	0.3950	Ave		0.3963			0.2000	4.6		20.0			
1,3-Dichloropropane	0.5188 0.5212	0.5252 0.5074	0.5400	0.5166	0.5132	Ave		0.5203				2.0		20.0			
2-Hexanone	0.5313 0.4734	0.4976 0.4318	0.5361	0.5018	0.4603	Ave		0.4903			0.1000	7.7		20.0			
Dibromochloromethane	0.3554 0.4125	0.3924 0.3998	0.4018	0.4064	0.3982	Ave		0.3952				4.7		20.0			
1,2-Dibromoethane (EDB)	0.3190 0.3754	0.3785 0.3631	0.3804	0.3743	0.3726	Ave		0.3662			0.1000	5.9		20.0			
1-Chlorohexane	0.5265 0.4538	0.4867 0.4253	0.4670	0.4538	0.4413	Ave		0.4649				7.2		20.0			
Chlorobenzene	0.9658 1.0135	1.0074 0.9634	1.0536	1.0305	0.9875	Ave		1.0031			0.5000	3.3		20.0			
1,1,1,2-Tetrachloroethane	0.3542 0.4054	0.4123 0.3800	0.4213	0.4170	0.4011	Ave		0.3988				6.0		20.0			
Ethylbenzene	1.6223 1.7066	1.7970 1.5834	1.7901	1.7391	1.6812	Ave		1.7028			0.1000	4.7		20.0			
m&p-Xylene	0.6305 0.6901	0.7077 0.6442	0.7202	0.7069	0.6793	Ave		0.6827			0.1000	5.0		20.0			
o-Xylene	0.7132 0.7237	0.7496 0.6684	0.7572	0.7364	0.7090	Ave		0.7225			0.3000	4.1		20.0			
Styrene	1.0123 1.1393	1.1097 1.0802	1.1718	1.1394	1.1108	Ave		1.1091			0.3000	4.7		20.0			
Bromoform	0.3221 0.3353	0.3134 0.3215	0.3317	0.3208	0.3236	Ave		0.3241			0.1000	2.2		20.0			
Isopropylbenzene	1.5754 1.7177	1.7425 1.5408	1.7468	1.7577	1.6945	Ave		1.6822			0.1000	5.2		20.0			
Cyclohexanone	0.2711 0.3359	0.2874 0.2843	0.3124	0.2854	0.3029	Ave		0.2971				7.3		20.0			
1,1,2,2-Tetrachloroethane	1.0535 1.0464	1.0000 0.9854	1.0704	1.0240	1.0082	Ave		1.0268			0.3000	3.0		20.0			
Bromobenzene	0.7525 0.7709	0.7448 0.7495	0.7830	0.7618	0.7544	Ave		0.7596				1.8		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.: 410-190105-1 Analy Batch No.: 552275

SDG No.:

Instrument ID: 23297 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/17/2024 16:08 Calibration End Date: 09/17/2024 18:24 Calibration ID: 65832

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								
trans-1,4-Dichloro-2-butene	0.2556 0.2886	0.2685 0.2795	0.3026	0.2823	0.2821	Ave		0.2799				5.3		20.0			
1,2,3-Trichloropropane	0.3097 0.3162	0.3048 0.2951	0.3312	0.3239	0.3075	Ave		0.3126				3.9		20.0			
N-Propylbenzene	3.2125 3.4513	3.4658 3.0933	3.4412	3.4397	3.3188	Ave		3.3461				4.3		20.0			
2-Chlorotoluene	0.6942 0.7665	0.7459 0.7218	0.7650	0.7657	0.7448	Ave		0.7434				3.6		20.0			
1,3,5-Trimethylbenzene	2.3315 2.6847	2.5627 2.4632	2.6177	2.6468	2.6120	Ave		2.5598				4.8		20.0			
4-Chlorotoluene	0.6971 0.7511	0.7312 0.7257	0.7587	0.7487	0.7291	Ave		0.7345				2.8		20.0			
tert-Butylbenzene	0.4448 0.5409	0.5001 0.5139	0.4991	0.5114	0.5187	Ave		0.5042				5.9		20.0			
1,2,4-Trimethylbenzene	2.5062 2.7808	2.6741 2.5262	2.7003	2.7505	2.7039	Ave		2.6631				4.0		20.0			
sec-Butylbenzene	2.9979 3.4626	3.3481 3.1223	3.3425	3.4100	3.3710	Ave		3.2935				5.1		20.0			
1,3-Dichlorobenzene	1.5464 1.5383	1.5293 1.4422	1.5572	1.5403	1.4938	Ave		1.5211			0.6000	2.6		20.0			
p-Isopropyltoluene	2.6761 3.1311	2.9989 2.8039	3.0546	3.0687	3.0296	Ave		2.9661				5.5		20.0			
1,4-Dichlorobenzene	1.5342 1.5626	1.6046 1.4740	1.6031	1.5638	1.5341	Ave		1.5538			0.5000	2.9		20.0			
1,2,3-Trimethylbenzene	2.7213 2.9736	2.8700 2.6634	2.9118	2.9191	2.8634	Ave		2.8461				3.9		20.0			
Benzyl chloride	2.0380 2.2230	2.0468 2.0497	2.2093	2.1343	2.1721	Ave		2.1247				3.8		20.0			
1,3-Diethylbenzene	1.6112 1.8083	1.7102 1.6187	1.7780	1.7950	1.7672	Ave		1.7269				4.8		20.0			
1,4-Diethylbenzene	1.8056 1.9355	1.9054 1.7351	1.9474	1.9176	1.8888	Ave		1.8765				4.1		20.0			
n-Butylbenzene	1.3598 1.4895	1.4409 1.3467	1.4859	1.4730	1.4494	Ave		1.4350				4.1		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1 Analy Batch No.: 552275

SDG No.:

Instrument ID: 23297 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/17/2024 16:08 Calibration End Date: 09/17/2024 18:24 Calibration ID: 65832

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-Dichlorobenzene	1.5446 1.5971	1.5755 1.4761	1.6581	1.6251	1.5714	Ave		1.5783			0.4000	3.7		20.0			
1,2-Diethylbenzene	1.4042 1.5695	1.4718 1.4270	1.4929	1.5414	1.5202	Ave		1.4896				4.0		20.0			
1,2-Dibromo-3-Chloropropane	0.2961 0.3111	0.3047 0.2759	0.3316	0.3107	0.3034	Ave		0.3048			0.0500	5.5		20.0			
1,3,5-Trichlorobenzene	1.2161 1.3023	1.3131 1.1115	1.3352	1.3057	1.2913	Ave		1.2679				6.2		20.0			
1,2,4-Trichlorobenzene	1.1551 1.2369	1.2562 1.0436	1.3031	1.2265	1.2412	Ave		1.2090			0.2000	7.0		20.0			
Hexachlorobutadiene	0.4621 0.5077	0.4919 0.4484	0.5055	0.5092	0.5100	Ave		0.4907				5.2		20.0			
Naphthalene	4.0782 4.2932	4.2220 3.4706	4.5568	4.2693	4.2720	Ave		4.1660				8.1		20.0			
1,2,3-Trichlorobenzene	1.1486 1.1900	1.1768 0.9725	1.2363	1.1576	1.2008	Ave		1.1547				7.4		20.0			
2-Methylnaphthalene	1.6149 1.9737	1.7490 1.5463	1.9359	1.7581	1.9269	Ave		1.7864				9.3		20.0			
Dibromofluoromethane (Surr)	0.2672 0.2583	0.2678 0.2585	0.2656	0.2668	0.2642	Ave		0.2641				1.5		20.0			
1,2-Dichloroethane-d4 (Surr)	0.0640 0.0603	0.0629 0.0622	0.0620	0.0643	0.0632	Ave		0.0627				2.2		20.0			
Toluene-d8 (Surr)	1.2921 1.2739	1.3077 1.2476	1.3060	1.2873	1.2743	Ave		1.2841				1.6		20.0			
4-Bromofluorobenzene (Surr)	0.4844 0.4783	0.4879 0.4816	0.4926	0.4878	0.4864	Ave		0.4856				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.: 410-190105-1 | Analy Batch No.: 552275

SDG No.:

Instrument ID: 23297 | GC Column: R-624SilMS ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 09/17/2024 16:08 | Calibration End Date: 09/17/2024 18:24 | Calibration ID: 65832

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-552275/12	4S17X11.D
Level 2	IC 410-552275/13	4S17X12.D
Level 3	IC 410-552275/14	4S17X13.D
Level 4	IC 410-552275/15	4S17X14.D
Level 5	ICIS 410-552275/16	4S17X15.D
Level 6	IC 410-552275/17	4S17X16.D
Level 7	IC 410-552275/18	4S17X17.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	5372 629381	26486 1867391	59102	122486	302002	1.00 100	4.00 300	10.0	20.0	50.0
Chloromethane	FB	Ave	6370 610699	27390 1775418	62158	126614	291447	1.00 100	4.00 300	10.0	20.0	50.0
Vinyl chloride	FB	Ave	5168 589936	24857 1760083	58260	123030	281454	1.00 100	4.00 300	10.0	20.0	50.0
1,3-Butadiene	FB	Ave	6562 636727	29178 1937029	63610	133037	305510	1.00 100	4.00 300	10.0	20.0	50.0
Bromomethane	FB	Ave	4868 435677	20495 1325781	46468	91086	212474	1.00 100	4.00 300	10.0	20.0	50.0
Chloroethane	FB	Ave	2974 307178	13361 952213	30987	64209	146639	1.00 100	4.00 300	10.0	20.0	50.0
Dichlorofluoromethane	FB	Ave	9107 908182	38830 2719641	94338	192403	432376	1.00 100	4.00 300	10.0	20.0	50.0
Trichlorofluoromethane	FB	Ave	6363 756298	29989 2304571	71257	149462	361451	1.00 100	4.00 300	10.0	20.0	50.0
n-Pentane	FB	Ave	7033 638314	30089 2075221	63979	131571	319175	1.00 100	4.00 300	10.0	20.0	50.0
Ethanol	TBAd10	Ave	+++++ 241698	23514 721820	48339	81763	117921	+++++ 2500	250 7500	500	1000	1250
Freon 123a	FB	Ave	4387 451379	18510 1393448	44604	94070	217252	1.00 100	4.00 300	10.0	20.0	50.0
Acrolein	TBAd10	Ave	12212 1218160	43983 4199552	106753	230256	557322	10.0 1002	40.1 3006	100	200	501
1,1-Dichloroethene	FB	Ave	3216 341632	13783 1094655	33973	69984	165528	1.00 100	4.00 300	10.0	20.0	50.0
Acetone	TBAd10	Ave	1357	5171	13628	27118	63949	2.00	8.00	20.0	40.0	100

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1 Analy Batch No.: 552275

SDG No.:

Instrument ID: 23297 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/17/2024 16:08 Calibration End Date: 09/17/2024 18:24 Calibration ID: 65832

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
			136331	426250				200	600			
Freon 113	FB	Ave	3527 435331	16889 1342219	40052	82246	211097	1.00 100	4.00 300	10.0	20.0	50.0
Methyl iodide	FB	Ave	7486 779636	31880 2394799	77697	161253	379742	1.00 100	4.00 300	10.0	20.0	50.0
2-Propanol	TBAd10	Ave	2467 372643	13112 1025827	39475	86042	194994	5.00 500	20.0 1500	50.0	100	250
Carbon disulfide	FB	Ave	12473 1314808	54700 4005867	125084	264913	631300	1.00 100	4.00 300	10.0	20.0	50.0
Methyl acetate	FB	Ave	3688 459444	17948 1423854	46800	97125	232443	1.00 100	4.00 300	10.0	20.0	50.0
Allyl chloride	FB	Ave	6888 543893	24882 1728568	54530	113675	270259	1.00 100	4.00 300	10.0	20.0	50.0
Methylene Chloride	FB	Ave	4209 399125	16276 1258429	39183	83958	197145	1.00 100	4.00 300	10.0	20.0	50.0
t-Butyl alcohol	TBAd10	Ave	5966 589500	23707 1664355	62717	120429	286037	5.00 500	20.0 1500	50.0	100	250
Acrylonitrile	FB	Ave	5568 604497	23726 1914762	61043	122779	302491	2.50 250	10.0 750	25.0	50.0	125
Methyl tert-butyl ether	FB	Ave	11415 1162247	47804 3481543	119080	244129	582375	1.00 100	4.00 300	10.0	20.0	50.0
trans-1,2-Dichloroethene	FB	Ave	3248 351530	15073 1105139	35727	74269	173903	1.00 100	4.00 300	10.0	20.0	50.0
n-Hexane	FB	Ave	4301 496804	20211 1504210	46553	93428	244663	1.00 100	4.00 300	10.0	20.0	50.0
1,1-Dichloroethane	FB	Ave	5507 591374	24916 1839193	59227	124924	292991	1.00 100	4.00 300	10.0	20.0	50.0
Isopropyl ether	FB	Ave	10873 1110588	44500 3454867	113088	227375	548819	1.00 100	4.00 300	10.0	20.0	50.0
2-Chloro-1,3-butadiene	FB	Ave	4841 529925	22324 1638812	52479	109716	260120	1.00 100	4.00 300	10.0	20.0	50.0
Ethyl t-butyl ether	FB	Ave	10950 1131205	45498 3461968	113636	230152	559876	1.00 100	4.00 300	10.0	20.0	50.0
2-Butanone (MEK)	FB	Ave	8686 717971	31681 2276252	69777	151792	343966	2.00 200	8.00 600	20.0	40.0	100
cis-1,2-Dichloroethene	FB	Ave	4023 408903	17532 1276289	42686	85571	203232	1.00 100	4.00 300	10.0	20.0	50.0
2,2-Dichloropropane	FB	Ave	6215 608490	25930 1887227	60528	124964	297793	1.00 100	4.00 300	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.: 410-190105-1 Analy Batch No.: 552275

SDG No.:

Instrument ID: 23297 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/17/2024 16:08 Calibration End Date: 09/17/2024 18:24 Calibration ID: 65832

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	4273 563949	20846 1756284	52182	119124	275062	5.00 500	20.0 1500	50.0	100	250
Methacrylonitrile	FB	Ave	6001 620013	23783 1968394	62091	126850	307083	2.50 250	10.0 750	25.0	50.0	125
Bromochloromethane	FB	Ave	2085 227768	9422 713602	23321	47744	113722	1.00 100	4.00 300	10.0	20.0	50.0
Tetrahydrofuran	TBAd10	Ave	5298 516822	20361 1630473	51532	108658	255960	5.00 500	20.0 1500	50.0	100	250
Chloroform	FB	Ave	6360 630472	26725 1950667	65406	132745	313160	1.00 100	4.00 300	10.0	20.0	50.0
1,1,1-Trichloroethane	FB	Ave	6003 615570	25260 1924379	60743	125560	298727	1.00 100	4.00 300	10.0	20.0	50.0
Cyclohexane	FB	Ave	5863 689312	27076 2164803	63683	130250	330218	1.00 100	4.00 300	10.0	20.0	50.0
Carbon tetrachloride	FB	Ave	4601 550742	22068 1743085	51474	110869	268005	1.00 100	4.00 300	10.0	20.0	50.0
1,1-Dichloropropene	FB	Ave	4495 496795	19788 1568183	48698	100968	242172	1.00 100	4.00 300	10.0	20.0	50.0
Isobutyl alcohol	TBAd10	Ave	5439 514297	20282 1488416	55657	105021	244894	12.5 1250	50.0 3750	125	250	625
Benzene	FB	Ave	13856 1452269	58619 4549871	143294	299513	713970	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Dichloroethane	FB	Ave	4794 502595	19885 1583660	50605	103461	251274	1.00 100	4.00 300	10.0	20.0	50.0
t-Amyl methyl ether	FB	Ave	10524 1112982	44626 3422587	111751	227956	555931	1.00 100	4.00 300	10.0	20.0	50.0
n-Heptane	FB	Ave	5762 497691	21106 1498394	47887	95412	245176	1.00 100	4.00 300	10.0	20.0	50.0
n-Butanol	TBAd10	Ave	2419 420909	13551 1215433	41943	76364	197454	12.5 1250	50.0 3750	125	250	625
Trichloroethene	FB	Ave	3289 394652	15773 1248345	39575	80614	191813	1.00 100	4.00 300	10.0	20.0	50.0
Methylcyclohexane	FB	Ave	6327 732881	28755 2324904	66727	137500	355181	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Dichloropropane	FB	Ave	3298 371832	14627 1197250	36755	75304	179408	1.00 100	4.00 300	10.0	20.0	50.0
t-Amyl ethyl ether	FB	Ave	4873	21822	54494	110840	280584	1.00	4.00	10.0	20.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1 Analy Batch No.: 552275

SDG No.:

Instrument ID: 23297 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/17/2024 16:08 Calibration End Date: 09/17/2024 18:24 Calibration ID: 65832

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
			570304	1830197				100	300			
1,4-Dioxane	TBAd10	Ave	+++++ 113887	4092 329495	11569	19665	52846	+++++ 1250	50.0 3750	125	250	625
Methyl methacrylate	FB	Ave	3104 368826	12761 1199704	35006	72854	174404	1.00 100	4.00 300	10.0	20.0	50.0
Dibromomethane	FB	Ave	2365 273239	10770 875149	26996	56080	135037	1.00 100	4.00 300	10.0	20.0	50.0
Bromodichloromethane	FB	Ave	4323 496218	19208 1597747	46557	96521	237846	1.00 100	4.00 300	10.0	20.0	50.0
2-Nitropropane	TBAd10	Ave	9936 966123	35788 3052140	96166	198514	472036	5.00 500	20.0 1500	50.0	100	250
2-Chloroethyl vinyl ether	FB	Ave	1194 219846	6558 755277	18645	40695	101776	1.00 100	4.00 300	10.0	20.0	50.0
cis-1,3-Dichloropropene	FB	Ave	5220 624766	23198 2059973	57609	120531	298293	1.00 100	4.00 300	10.0	20.0	50.0
4-Methyl-2-pentanone (MIBK)	FB	Ave	15174 1452589	57467 4430581	144614	297537	696436	2.00 200	8.00 600	20.0	40.0	100
Toluene	CBZd5	Ave	8019 952080	36443 3036470	91127	188203	458276	1.00 100	4.00 300	10.0	20.0	50.0
trans-1,3-Dichloropropene	CBZd5	Ave	4812 582490	20423 1942133	52770	110803	277535	1.00 100	4.00 300	10.0	20.0	50.0
Ethyl methacrylate	CBZd5	Ave	6013 640131	23623 2044997	61269	126449	309548	1.00 100	4.00 300	10.0	20.0	50.0
1,1,2-Trichloroethane	CBZd5	Ave	3349 374183	14476 1213154	36193	74546	183513	1.00 100	4.00 300	10.0	20.0	50.0
Tetrachloroethene	CBZd5	Ave	3860 449748	17773 1439784	41259	87798	217780	1.00 100	4.00 300	10.0	20.0	50.0
1,3-Dichloropropane	CBZd5	Ave	5413 585065	22006 1935041	54989	112905	282948	1.00 100	4.00 300	10.0	20.0	50.0
2-Hexanone	CBZd5	Ave	11087 1062846	41699 3293526	109177	219344	507535	2.00 200	8.00 600	20.0	40.0	100
Dibromochloromethane	CBZd5	Ave	3708 463073	16440 1524951	40916	88834	219516	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Dibromoethane (EDB)	CBZd5	Ave	3328 421364	15861 1384871	38739	81802	205389	1.00 100	4.00 300	10.0	20.0	50.0
1-Chlorohexane	CBZd5	Ave	5493 509386	20393 1622118	47556	99189	243298	1.00 100	4.00 300	10.0	20.0	50.0
Chlorobenzene	CBZd5	Ave	10076 1137585	42213 3674290	107288	225241	544430	1.00 100	4.00 300	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.: 410-190105-1 Analy Batch No.: 552275

SDG No.:

Instrument ID: 23297 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/17/2024 16:08 Calibration End Date: 09/17/2024 18:24 Calibration ID: 65832

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
1,1,1,2-Tetrachloroethane	CBZd5	Ave	3695 455053	17274 1449342	42905	91139	221149	1.00 100	4.00 300	10.0	20.0	50.0
Ethylbenzene	CBZd5	Ave	16926 1915562	75296 6039167	182288	380118	926860	1.00 100	4.00 300	10.0	20.0	50.0
m&p-Xylene	CBZd5	Ave	13156 1549140	59303 4913798	146684	309005	749018	2.00 200	8.00 600	20.0	40.0	100
o-Xylene	CBZd5	Ave	7441 812286	31410 2549180	77102	160944	390849	1.00 100	4.00 300	10.0	20.0	50.0
Styrene	CBZd5	Ave	10561 1278860	46496 4119859	119323	249032	612383	1.00 100	4.00 300	10.0	20.0	50.0
Bromoform	CBZd5	Ave	3361 376322	13131 1226040	33776	70123	178404	1.00 100	4.00 300	10.0	20.0	50.0
Isopropylbenzene	CBZd5	Ave	16436 1928054	73012 5876696	177880	384180	934184	1.00 100	4.00 300	10.0	20.0	50.0
Cyclohexanone	TBAd10	Ave	15797 465019	64674 1278003	87894	164644	212928	50.0 1250	200 3750	250	500	625
1,1,2,2-Tetrachloroethane	DCBd4	Ave	7008 727523	27222 2273483	70598	142319	350012	1.00 100	4.00 300	10.0	20.0	50.0
Bromobenzene	DCBd4	Ave	5006 536008	20277 1729215	51646	105876	261919	1.00 100	4.00 300	10.0	20.0	50.0
trans-1,4-Dichloro-2-butene	DCBd4	Ave	4250 501647	18276 1612057	49902	98074	244885	2.50 250	10.0 750	25.0	50.0	125
1,2,3-Trichloropropane	DCBd4	Ave	2060 219829	8297 680728	21843	45018	106754	1.00 100	4.00 300	10.0	20.0	50.0
N-Propylbenzene	DCBd4	Ave	21370 2399654	94351 7136406	226974	478040	1152198	1.00 100	4.00 300	10.0	20.0	50.0
2-Chlorotoluene	DCBd4	Ave	4618 532920	20306 1665250	50458	106408	258586	1.00 100	4.00 300	10.0	20.0	50.0
1,3,5-Trimethylbenzene	DCBd4	Ave	15510 1866643	69765 5682743	172655	367841	906816	1.00 100	4.00 300	10.0	20.0	50.0
4-Chlorotoluene	DCBd4	Ave	4637 522253	19906 1674199	50044	104054	253112	1.00 100	4.00 300	10.0	20.0	50.0
tert-Butylbenzene	DCBd4	Ave	2959 376099	13615 1185619	32921	71076	180097	1.00 100	4.00 300	10.0	20.0	50.0
1,2,4-Trimethylbenzene	DCBd4	Ave	16672 1933436	72797 5828067	178106	382254	938735	1.00 100	4.00 300	10.0	20.0	50.0
sec-Butylbenzene	DCBd4	Ave	19943 2407497	91146 7203383	220462	473919	1170322	1.00 100	4.00 300	10.0	20.0	50.0
1,3-Dichlorobenzene	DCBd4	Ave	10287	41631	102708	214070	518616	1.00	4.00	10.0	20.0	50.0

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC | Job No.: 410-190105-1 | Analy Batch No.: 552275

SDG No.:

Instrument ID: 23297 | GC Column: R-624SilMS ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 09/17/2024 16:08 | Calibration End Date: 09/17/2024 18:24 | Calibration ID: 65832

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
			1069545	3327185				100	300			
p-Isopropyltoluene	DCBd4	Ave	17802 2177055	81640 6468893	201473	426477	1051812	1.00 100	4.00 300	10.0	20.0	50.0
1,4-Dichlorobenzene	DCBd4	Ave	10206 1086440	43682 3400547	105733	217331	532612	1.00 100	4.00 300	10.0	20.0	50.0
1,2,3-Trimethylbenzene	DCBd4	Ave	18103 2067519	78129 6144595	192055	405686	994107	1.00 100	4.00 300	10.0	20.0	50.0
Benzyl chloride	DCBd4	Ave	13557 1545648	55719 4728917	145719	296618	754116	1.00 100	4.00 300	10.0	20.0	50.0
1,3-Diethylbenzene	DCBd4	Ave	10718 1257270	46557 3734475	117273	249461	613535	1.00 100	4.00 300	10.0	20.0	50.0
1,4-Diethylbenzene	DCBd4	Ave	12011 1345748	51871 4002889	128444	266506	655749	1.00 100	4.00 300	10.0	20.0	50.0
n-Butylbenzene	DCBd4	Ave	9046 1035617	39227 3106901	98007	204716	503201	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Dichlorobenzene	DCBd4	Ave	10275 1110473	42891 3405386	109365	225849	545563	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Diethylbenzene	DCBd4	Ave	9341 1091237	40067 3292300	98469	214225	527793	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Dibromo-3-Chloropropane	DCBd4	Ave	1970 216334	8294 636628	21872	43178	105332	1.00 100	4.00 300	10.0	20.0	50.0
1,3,5-Trichlorobenzene	DCBd4	Ave	8090 905487	35748 2564360	88068	181456	448305	1.00 100	4.00 300	10.0	20.0	50.0
1,2,4-Trichlorobenzene	DCBd4	Ave	7684 859987	34197 2407719	85952	170462	430926	1.00 100	4.00 300	10.0	20.0	50.0
Hexachlorobutadiene	DCBd4	Ave	3074 353018	13391 1034432	33342	70763	177072	1.00 100	4.00 300	10.0	20.0	50.0
Naphthalene	DCBd4	Ave	27129 2984985	114936 8006928	300552	593338	1483119	1.00 100	4.00 300	10.0	20.0	50.0
1,2,3-Trichlorobenzene	DCBd4	Ave	7641 827422	32036 2243518	81545	160876	416884	1.00 100	4.00 300	10.0	20.0	50.0
2-Methylnaphthalene	DCBd4	Ave	10743 1372283	47612 3567437	127685	244339	668983	1.00 100	4.00 300	10.0	20.0	50.0
Dibromofluoromethane (Surr)	FB	Ave	181996 179188	183277 195249	177256	186506	183004	50.0 50.0	50.0 50.0	50.0	50.0	50.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	43595 41803	43054 46983	41367	44966	43754	50.0 50.0	50.0 50.0	50.0	50.0	50.0
Toluene-d8 (Surr)	CBZd5	Ave	674052 714936	684918 793027	664962	703412	702552	50.0 50.0	50.0 50.0	50.0	50.0	50.0
4-Bromofluorobenzene (Surr)	CBZd5	Ave	252672	255560	250816	266516	268175	50.0	50.0	50.0	50.0	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.: 410-190105-1 Analy Batch No.: 552275

SDG No.:

Instrument ID: 23297 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/17/2024 16:08 Calibration End Date: 09/17/2024 18:24 Calibration ID: 65832

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
			268447	306142				50.0	50.0			

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.: 410-190105-1 Analy Batch No.: 552275

SDG No.:

Instrument ID: 23297 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/17/2024 16:08 Calibration End Date: 09/17/2024 18:24 Calibration ID: 65832

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-552275/12	4S17X11.D
Level 2	IC 410-552275/13	4S17X12.D
Level 3	IC 410-552275/14	4S17X13.D
Level 4	IC 410-552275/15	4S17X14.D
Level 5	ICIS 410-552275/16	4S17X15.D
Level 6	IC 410-552275/17	4S17X16.D
Level 7	IC 410-552275/18	4S17X17.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	-9.8 -5.8	10.7	1.3	0.2	-0.3	3.7	50 30	30	30	30	30	30
Chloromethane	4.3 -12.7	11.6	3.9	1.0	-6.2	-1.9	50 30	30	30	30	30	30
Vinyl chloride	-9.3 -7.2	8.5	4.3	5.1	-2.9	1.6	50 30	30	30	30	30	30
1,3-Butadiene	2.4 -9.2	13.2	1.3	1.1	-6.3	-2.5	50 30	30	30	30	30	30
Bromomethane	7.9 -11.7	13.0	5.1	-1.7	-7.4	-5.2	50 30	30	30	30	30	30
Chloroethane	-2.5 -6.2	9.0	3.7	2.6	-5.5	-1.1	50 30	30	30	30	30	30
Dichlorofluoromethane	0.6 -9.7	6.7	6.4	3.6	-6.1	-1.5	50 30	30	30	30	30	30
Trichlorofluoromethane	-10.6 -2.7	4.8	2.2	2.3	-0.2	4.3	50 30	30	30	30	30	30
n-Pentane	6.5 -5.6	13.3	-1.1	-3.0	-5.0	-5.1	50 30	30	30	30	30	30
Ethanol	+++++ -2.1	2.0	4.8	-13.6	2.3	6.5	30	50	30	30	30	30
Freon 123a	-1.0 -5.5	3.9	2.7	3.4	-3.6	0.0	50 30	30	30	30	30	30
Acrolein	1.5 13.0	-5.4	-8.2	-3.4	-4.0	6.5	50 30	30	30	30	30	30
1,1-Dichloroethene	-3.9 -1.7	2.5	3.6	1.9	-2.7	0.2	50 30	30	30	30	30	30
Acetone	-1.2 0.5	-2.5	2.7	-0.3	-3.5	4.4	50 30	30	30	30	30	30
Freon 113	-12.7 -0.2	4.0	1.2	-0.8	2.7	5.8	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.: 410-190105-1 Analy Batch No.: 552275

SDG No.:

Instrument ID: 23297 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/17/2024 16:08 Calibration End Date: 09/17/2024 18:24 Calibration ID: 65832

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Methyl iodide	-2.1 -5.9	3.7	3.7	2.7	-2.3	0.1	50 30	30	30	30	30	30
2-Propanol	-32.5 -9.0	-7.1	11.9	18.9	10.6	7.3	50 30	30	30	30	30	30
Carbon disulfide	-2.0 -5.4	6.9	0.3	1.4	-2.5	1.4	50 30	30	30	30	30	30
Methyl acetate	-16.8 -3.4	0.8	7.8	6.8	3.1	1.8	50 30	30	30	30	30	30
Allyl chloride	20.5 -9.2	8.3	-2.7	-3.2	-7.1	-6.6	50 30	30	30	30	30	30
Methylene Chloride	5.5 -5.2	1.5	0.2	2.5	-2.8	-1.8	50 30	30	30	30	30	30
t-Butyl alcohol	-1.0 -10.6	1.8	7.7	0.9	-1.7	2.9	50 30	30	30	30	30	30
Acrylonitrile	-5.7 -2.5	0.0	5.5	1.3	0.8	0.5	50 30	30	30	30	30	30
Methyl tert-butyl ether	-1.0 -9.2	3.2	5.4	3.2	-0.6	-1.0	50 30	30	30	30	30	30
trans-1,2-Dichloroethene	-7.0 -4.9	7.4	4.4	3.6	-2.1	-1.2	50 30	30	30	30	30	30
n-Hexane	-8.3 -3.7	7.2	1.3	-3.0	2.5	3.9	50 30	30	30	30	30	30
1,1-Dichloroethane	-5.8 -5.5	6.0	3.4	4.1	-1.5	-0.7	50 30	30	30	30	30	30
Isopropyl ether	-0.7 -5.2	1.1	5.4	1.2	-1.4	-0.4	50 30	30	30	30	30	30
2-Chloro-1,3-butadiene	-6.7 -5.1	7.0	3.2	3.0	-1.5	0.2	50 30	30	30	30	30	30
Ethyl t-butyl ether	-1.2 -6.2	2.1	4.6	1.1	-0.7	0.2	50 30	30	30	30	30	30
2-Butanone (MEK)	17.5 -7.5	6.7	-3.6	0.1	-8.5	-4.6	50 30	30	30	30	30	30
cis-1,2-Dichloroethene	-2.1 -6.6	6.2	6.1	1.5	-2.7	-2.3	50 30	30	30	30	30	30
2,2-Dichloropropane	2.5 -6.4	6.4	1.9	0.4	-3.4	-1.5	50 30	30	30	30	30	30
Propionitrile	-22.1 3.7	-1.6	-1.5	9.6	3.9	8.1	50 30	30	30	30	30	30
Methacrylonitrile	-1.1 -2.5	-2.5	4.4	1.8	-0.5	0.3	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1 Analy Batch No.: 552275

SDG No.:

Instrument ID: 23297 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/17/2024 16:08 Calibration End Date: 09/17/2024 18:24 Calibration ID: 65832

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Bromochloromethane	-7.3 -4.7	4.2	5.8	3.4	-0.6	-0.6	50 30	30	30	30	30	30
Tetrahydrofuran	-0.9 -1.2	-1.4	-0.2	2.6	-0.8	1.7	50 30	30	30	30	30	30
Chloroform	0.4 -7.5	4.9	5.3	2.0	-2.8	-2.3	50 30	30	30	30	30	30
1,1,1-Trichloroethane	-0.7 -4.3	4.0	2.6	1.2	-2.8	0.0	50 30	30	30	30	30	30
Cyclohexane	-9.2 0.7	4.3	0.6	-1.8	0.5	4.8	50 30	30	30	30	30	30
Carbon tetrachloride	-12.1 0.0	4.8	0.3	3.1	0.6	3.2	50 30	30	30	30	30	30
1,1-Dichloropropene	-6.5 -2.0	2.4	3.4	2.3	-1.0	1.4	50 30	30	30	30	30	30
Isobutyl alcohol	2.7 -8.9	-0.8	8.8	0.1	-4.2	2.2	50 30	30	30	30	30	30
Benzene	-2.6 -3.9	2.5	2.8	2.5	-1.4	0.2	50 30	30	30	30	30	30
1,2-Dichloroethane	-3.0 -3.7	0.2	4.6	2.0	0.0	-0.1	50 30	30	30	30	30	30
t-Amyl methyl ether	-3.4 -5.6	1.9	4.7	1.9	0.3	0.3	50 30	30	30	30	30	30
n-Heptane	16.0 -9.3	5.8	-1.6	-6.4	-2.9	-1.6	50 30	30	30	30	30	30
n-Butanol	-36.3 3.7	-7.6	14.4	1.5	7.7	16.6	50 30	30	30	30	30	30
Trichloroethene	-13.4 -1.2	3.4	6.4	3.4	-0.7	2.0	50 30	30	30	30	30	30
Methylcyclohexane	-8.0 1.6	4.0	-1.0	-2.6	1.5	4.6	50 30	30	30	30	30	30
1,2-Dichloropropane	-8.1 0.2	1.4	4.5	2.2	-1.7	1.7	50 30	30	30	30	30	30
t-Amyl ethyl ether	-9.9 1.6	0.3	2.8	-0.2	2.0	3.5	50 30	30	30	30	30	30
1,4-Dioxane	+++++ -3.1	-3.8	8.7	-9.9	-0.6	8.7	30	50	30	30	30	30
Methyl methacrylate	-9.7 4.9	-7.6	4.0	3.3	-0.2	5.3	50 30	30	30	30	30	30
Dibromomethane	-10.5 -0.5	1.4	4.3	3.4	0.5	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.: 410-190105-1 Analy Batch No.: 552275

SDG No.:

Instrument ID: 23297 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/17/2024 16:08 Calibration End Date: 09/17/2024 18:24 Calibration ID: 65832

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Bromodichloromethane	-8.0 2.1	1.7	1.1	0.0	-0.5	3.6	50 30	30	30	30	30	30
2-Nitropropane	0.8 0.3	-6.0	1.0	1.7	-0.8	3.1	50 30	30	30	30	30	30
2-Chloroethyl vinyl ether	-36.4 20.9	-13.1	1.4	5.6	6.6	15.0	50 30	30	30	30	30	30
cis-1,3-Dichloropropene	-10.7 5.9	-1.3	0.6	0.4	0.3	4.9	50 30	30	30	30	30	30
4-Methyl-2-pentanone (MIBK)	6.2 -6.8	0.1	3.3	1.5	-4.1	-0.2	50 30	30	30	30	30	30
Toluene	-8.3 -5.1	3.7	6.7	2.7	-0.9	1.2	50 30	30	30	30	30	30
trans-1,3-Dichloropropene	-7.9 1.7	-2.7	3.5	1.2	0.5	3.6	50 30	30	30	30	30	30
Ethyl methacrylate	1.2 -5.9	-1.0	5.6	1.5	-1.5	0.1	50 30	30	30	30	30	30
1,1,2-Trichloroethane	-4.3 -5.1	3.0	6.0	1.7	-0.7	-0.6	50 30	30	30	30	30	30
Tetrachloroethene	-6.6 -4.7	7.0	2.2	1.4	-0.3	1.1	50 30	30	30	30	30	30
1,3-Dichloropropane	-0.3 -2.5	0.9	3.8	-0.7	-1.4	0.2	50 30	30	30	30	30	30
2-Hexanone	8.4 -11.9	1.5	9.3	2.3	-6.1	-3.4	50 30	30	30	30	30	30
Dibromochloromethane	-10.1 1.2	-0.7	1.7	2.8	0.7	4.4	50 30	30	30	30	30	30
1,2-Dibromoethane (EDB)	-12.9 -0.8	3.4	3.9	2.2	1.7	2.5	50 30	30	30	30	30	30
1-Chlorohexane	13.2 -8.5	4.7	0.4	-2.4	-5.1	-2.4	50 30	30	30	30	30	30
Chlorobenzene	-3.7 -4.0	0.4	5.0	2.7	-1.6	1.0	50 30	30	30	30	30	30
1,1,1,2-Tetrachloroethane	-11.2 -4.7	3.4	5.7	4.6	0.6	1.7	50 30	30	30	30	30	30
Ethylbenzene	-4.7 -7.0	5.5	5.1	2.1	-1.3	0.2	50 30	30	30	30	30	30
m&p-Xylene	-7.6 -5.6	3.7	5.5	3.5	-0.5	1.1	50 30	30	30	30	30	30
o-Xylene	-1.3 -7.5	3.8	4.8	1.9	-1.9	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.: 410-190105-1 Analy Batch No.: 552275

SDG No.:

Instrument ID: 23297 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/17/2024 16:08 Calibration End Date: 09/17/2024 18:24 Calibration ID: 65832

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Styrene	-8.7 -2.6	0.1	5.7	2.7	0.2	2.7	50 30	30	30	30	30	30
Bromoform	-0.6 -0.8	-3.3	2.4	-1.0	-0.1	3.5	50 30	30	30	30	30	30
Isopropylbenzene	-6.4 -8.4	3.6	3.8	4.5	0.7	2.1	50 30	30	30	30	30	30
Cyclohexanone	-8.7 -4.3	-3.3	5.2	-3.9	2.0	13.1	50 30	30	30	30	30	30
1,1,2,2-Tetrachloroethane	2.6 -4.0	-2.6	4.2	-0.3	-1.8	1.9	50 30	30	30	30	30	30
Bromobenzene	-0.9 -1.3	-1.9	3.1	0.3	-0.7	1.5	50 30	30	30	30	30	30
trans-1,4-Dichloro-2-butene	-8.7 -0.1	-4.1	8.1	0.9	0.8	3.1	50 30	30	30	30	30	30
1,2,3-Trichloropropane	-0.9 -5.6	-2.5	5.9	3.6	-1.6	1.1	50 30	30	30	30	30	30
N-Propylbenzene	-4.0 -7.6	3.6	2.8	2.8	-0.8	3.1	50 30	30	30	30	30	30
2-Chlorotoluene	-6.6 -2.9	0.3	2.9	3.0	0.2	3.1	50 30	30	30	30	30	30
1,3,5-Trimethylbenzene	-8.9 -3.8	0.1	2.3	3.4	2.0	4.9	50 30	30	30	30	30	30
4-Chlorotoluene	-5.1 -1.2	-0.4	3.3	1.9	-0.7	2.3	50 30	30	30	30	30	30
tert-Butylbenzene	-11.8 1.9	-0.8	-1.0	1.4	2.9	7.3	50 30	30	30	30	30	30
1,2,4-Trimethylbenzene	-5.9 -5.1	0.4	1.4	3.3	1.5	4.4	50 30	30	30	30	30	30
sec-Butylbenzene	-9.0 -5.2	1.7	1.5	3.5	2.4	5.1	50 30	30	30	30	30	30
1,3-Dichlorobenzene	1.7 -5.2	0.5	2.4	1.3	-1.8	1.1	50 30	30	30	30	30	30
p-Isopropyltoluene	-9.8 -5.5	1.1	3.0	3.5	2.1	5.6	50 30	30	30	30	30	30
1,4-Dichlorobenzene	-1.3 -5.1	3.3	3.2	0.6	-1.3	0.6	50 30	30	30	30	30	30
1,2,3-Trimethylbenzene	-4.4 -6.4	0.8	2.3	2.6	0.6	4.5	50 30	30	30	30	30	30
Benzyl chloride	-4.1 -3.5	-3.7	4.0	0.4	2.2	4.6	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.: 410-190105-1 Analy Batch No.: 552275

SDG No.:

Instrument ID: 23297 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/17/2024 16:08 Calibration End Date: 09/17/2024 18:24 Calibration ID: 65832

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
1,3-Diethylbenzene	-6.7 -6.3	-1.0	3.0	3.9	2.3	4.7	50 30	30	30	30	30	30
1,4-Diethylbenzene	-3.8 -7.5	1.5	3.8	2.2	0.7	3.1	50 30	30	30	30	30	30
n-Butylbenzene	-5.2 -6.2	0.4	3.5	2.6	1.0	3.8	50 30	30	30	30	30	30
1,2-Dichlorobenzene	-2.1 -6.5	-0.2	5.1	3.0	-0.4	1.2	50 30	30	30	30	30	30
1,2-Diethylbenzene	-5.7 -4.2	-1.2	0.2	3.5	2.1	5.4	50 30	30	30	30	30	30
1,2-Dibromo-3-Chloropropane	-2.8 -9.5	0.0	8.8	1.9	-0.5	2.1	50 30	30	30	30	30	30
1,3,5-Trichlorobenzene	-4.1 -12.3	3.6	5.3	3.0	1.8	2.7	50 30	30	30	30	30	30
1,2,4-Trichlorobenzene	-4.5 -13.7	3.9	7.8	1.5	2.7	2.3	50 30	30	30	30	30	30
Hexachlorobutadiene	-5.8 -8.6	0.2	3.0	3.8	3.9	3.5	50 30	30	30	30	30	30
Naphthalene	-2.1 -16.7	1.3	9.4	2.5	2.5	3.1	50 30	30	30	30	30	30
1,2,3-Trichlorobenzene	-0.5 -15.8	1.9	7.1	0.3	4.0	3.1	50 30	30	30	30	30	30
2-Methylnaphthalene	-9.6 -13.4	-2.1	8.4	-1.6	7.9	10.5	50 30	30	30	30	30	30
Dibromofluoromethane (Surr)	1.2 -2.1	1.4	0.6	1.0	0.0	-2.2	50 30	30	30	30	30	30
1,2-Dichloroethane-d4 (Surr)	2.1 -0.8	0.4	-1.1	2.6	0.7	-3.9	50 30	30	30	30	30	30
Toluene-d8 (Surr)	0.6 -2.8	1.8	1.7	0.2	-0.8	-0.8	50 30	30	30	30	30	30
4-Bromofluorobenzene (Surr)	-0.2 -0.8	0.5	1.4	0.4	0.2	-1.5	50 30	30	30	30	30	30

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\23297\20240917-125144.b\4S17X11.D
Lims ID: IC v1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 17-Sep-2024 16:08:30 ALS Bottle#: 4 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0125144-012
Misc. Info.: IC v1
Operator ID: jml01693 Instrument ID: 23297
Sublist: chrom-MSVoa_23297*sub48

Method: \\chromfs\Lancaster\ChromData\23297\20240917-125144.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 17-Sep-2024 20:47:16 Calib Date: 17-Sep-2024 18:24:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20240917-125144.b\4S17X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1647

First Level Reviewer: K4WN Date: 17-Sep-2024 20:05:04

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.788	1.794	-0.006	89	5372	1.00	0.9021	
4 Chloromethane	50	1.965	1.964	0.001	80	6370	1.00	1.04	
5 Vinyl chloride	62	2.068	2.068	0.000	88	5168	1.00	0.9066	
6 Butadiene	39	2.068	2.080	-0.012	90	6562	1.00	1.02	M
8 Bromomethane	94	2.372	2.372	0.000	89	4868	1.00	1.08	
9 Chloroethane	64	2.439	2.445	-0.006	95	2974	1.00	0.9752	
10 Dichlorofluoromethane	67	2.664	2.664	0.000	94	9107	1.00	1.01	
11 Trichlorofluoromethane	101	2.725	2.731	-0.006	91	6363	1.00	0.8938	
12 Pentane	43	2.755	2.755	0.000	87	7033	1.00	1.06	
13 Ethanol	45	2.901	2.853	0.048	11	4248	125.0	44.5	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.017	3.017	0.000	11	4387	1.00	0.99	
16 Acrolein	56	3.090	3.090	0.000	98	12212	10.0	10.2	
18 1,1-Dichloroethene	96	3.224	3.236	-0.012	88	3216	1.00	0.9613	
17 Acetone	58	3.242	3.248	-0.006	84	1357	2.00	1.98	M
19 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.266	3.260	0.006	80	3527	1.00	0.8730	
21 Iodomethane	142	3.394	3.406	-0.012	96	7486	1.00	0.9792	
20 Isopropyl alcohol	45	3.419	3.412	0.007	25	2467	5.00	3.38	M
22 Carbon disulfide	76	3.492	3.497	-0.005	98	12473	1.00	0.9798	
24 Methyl acetate	43	3.619	3.619	0.000	59	3688	1.00	0.8323	M
25 3-Chloro-1-propene	41	3.638	3.643	-0.005	92	6888	1.00	1.20	
27 Methylene Chloride	84	3.826	3.820	0.006	34	4209	1.00	1.06	
* 28 t-Butyl alcohol-d10 (IS)	65	3.832	3.844	-0.012	94	291325	250.0	250.0	
29 2-Methyl-2-propanol	59	3.960	3.948	0.012	39	5966	5.00	4.95	
30 Acrylonitrile	53	4.130	4.112	0.018	82	5568	2.50	2.36	
31 Methyl tert-butyl ether	73	4.173	4.179	-0.006	95	11415	1.00	0.99	
32 trans-1,2-Dichloroethene	96	4.191	4.185	0.006	75	3248	1.00	0.9298	
34 Hexane	57	4.617	4.617	0.000	92	4301	1.00	0.9168	
36 1,1-Dichloroethane	63	4.854	4.848	0.006	92	5507	1.00	0.9419	
37 Isopropyl ether	45	4.909	4.915	-0.006	92	10873	1.00	0.99	
38 2-Chloro-1,3-butadiene	53	4.964	4.964	0.000	81	4841	1.00	0.9326	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
39 Tert-butyl ethyl ether	59	5.469	5.462	0.007	95	10950	1.00	0.9879	
40 2-Butanone (MEK)	43	5.682	5.675	0.007	74	8686	2.00	2.35	
41 cis-1,2-Dichloroethene	96	5.700	5.700	0.000	77	4023	1.00	0.9794	
42 2,2-Dichloropropane	77	5.718	5.718	0.000	73	6215	1.00	1.03	
44 Propionitrile	54	5.767	5.754	0.013	92	4273	5.00	3.89	
46 Methacrylonitrile	67	5.974	5.973	0.001	92	6001	2.50	2.47	
47 Chlorobromomethane	128	6.035	6.034	0.000	85	2085	1.00	0.9266	
48 Tetrahydrofuran	71	6.053	6.046	0.007	89	5298	5.00	4.96	
S 49 1,2-Dichloroethene, Total	100				0			1.91	
50 Chloroform	83	6.193	6.186	0.007	88	6360	1.00	1.00	
$ 51 Dibromofluoromethane (Surr)	113	6.406	6.405	0.001	94	181996	50.0	50.6	
52 1,1,1-Trichloroethane	97	6.418	6.424	-0.006	36	6003	1.00	0.99	
53 Cyclohexane	56	6.527	6.521	0.006	89	5863	1.00	0.9078	
55 1,1-Dichloropropene	75	6.637	6.637	0.000	89	4495	1.00	0.9349	
54 Carbon tetrachloride	117	6.631	6.637	-0.006	94	4601	1.00	0.8786	
56 Isobutyl alcohol	41	6.825	6.819	0.006	30	5439	12.5	12.8	
$ 57 1,2-Dichloroethane-d4 (Surr)	102	6.868	6.868	0.000	100	43595	50.0	51.1	
58 Benzene	78	6.892	6.898	-0.006	93	13856	1.00	0.9736	
59 1,2-Dichloroethane	62	6.971	6.971	0.000	94	4794	1.00	0.9705	
61 Tert-amyl methyl ether	73	7.099	7.105	-0.006	97	10524	1.00	0.9658	
* 62 Fluorobenzene (IS)	96	7.312	7.312	0.000	99	681005	50.0	50.0	
63 n-Heptane	43	7.336	7.342	-0.006	60	5762	1.00	1.16	
64 n-Butanol	56	7.756	7.713	0.043	16	2419	12.5	7.96	
65 Trichloroethene	95	7.805	7.799	0.007	92	3289	1.00	0.8663	
68 Methylcyclohexane	83	8.103	8.109	-0.006	84	6327	1.00	0.9198	
69 1,2-Dichloropropane	63	8.139	8.133	0.006	81	3298	1.00	0.9186	
70 2-ethoxy-2-methyl butane	87	8.158	8.157	0.001	90	4873	1.00	0.9006	
72 Methyl methacrylate	69	8.243	8.237	0.006	81	3104	1.00	0.9033	
71 1,4-Dioxane	88		8.237				ND	ND	
73 Dibromomethane	93	8.243	8.243	0.000	88	2365	1.00	0.8950	
75 Dichlorobromomethane	83	8.492	8.486	0.006	93	4323	1.00	0.9197	
76 2-Nitropropane	41	8.760	8.760	0.000	97	9936	5.00	5.04	
77 2-Chloroethyl vinyl ether	63	8.876	8.863	0.013	76	1194	1.00	0.6361	
78 cis-1,3-Dichloropropene	75	9.052	9.052	0.000	93	5220	1.00	0.8928	
79 4-Methyl-2-pentanone (MIBK)	43	9.247	9.246	0.001	96	15174	2.00	2.12	
$ 80 Toluene-d8 (Surr)	98	9.380	9.386	-0.006	93	674052	50.0	50.3	
81 Toluene	92	9.466	9.465	0.001	96	8019	1.00	0.9166	
82 trans-1,3-Dichloropropene	75	9.745	9.745	0.000	92	4812	1.00	0.9210	
83 Ethyl methacrylate	69	9.818	9.818	0.000	87	6013	1.00	1.01	
101 1,1,2-Trichloroethane	97	9.946	9.952	-0.006	87	3349	1.00	0.9573	
117 Tetrachloroethene	166	10.044	10.043	0.001	94	3860	1.00	0.9335	
S 116 1,3-Dichloropropene, Total	100				0			1.81	
121 1,3-Dichloropropane	76	10.117	10.122	-0.005	93	5413	1.00	1.00	
123 2-Hexanone	43	10.190	10.183	0.007	93	11087	2.00	2.17	
126 Chlorodibromomethane	129	10.342	10.341	0.001	83	3708	1.00	0.8993	
127 Ethylene Dibromide	107	10.457	10.451	0.006	93	3328	1.00	0.8711	
* 129 Chlorobenzene-d5 (IS)	117	10.901	10.901	0.000	84	521656	50.0	50.0	
130 1-Chlorohexane	91	10.926	10.919	0.007	35	5493	1.00	1.13	a
131 Chlorobenzene	112	10.932	10.932	0.000	96	10076	1.00	0.9628	
132 1,1,1,2-Tetrachloroethane	131	11.017	11.017	0.000	92	3695	1.00	0.8882	
133 Ethylbenzene	91	11.023	11.023	0.000	98	16926	1.00	0.9527	
134 m-Xylene & p-Xylene	106	11.145	11.144	0.001	0	13156	2.00	1.85	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 135 Xylenes, Total	106				0			2.83	
136 o-Xylene	106	11.479	11.479	0.000	94	7441	1.00	0.9872	
138 Styrene	104	11.498	11.491	0.007	94	10561	1.00	0.9127	
139 Bromoform	173	11.650	11.649	0.001	94	3361	1.00	0.99	
140 Isopropylbenzene	105	11.783	11.783	0.000	95	16436	1.00	0.9365	
142 Cyclohexanone	55	11.856	11.856	0.000	92	15797	50.0	45.6	
$ 143 4-Bromofluorobenzene (Surr)	95	11.929	11.929	0.000	94	252672	50.0	49.9	
144 1,1,2,2-Tetrachloroethane	83	12.033	12.033	0.000	94	7008	1.00	1.03	
145 Bromobenzene	156	12.045	12.045	0.000	85	5006	1.00	0.99	
146 trans-1,4-Dichloro-2-butene	53	12.063	12.057	0.006	90	4250	2.50	2.28	
147 1,2,3-Trichloropropane	110	12.082	12.075	0.007	78	2060	1.00	0.99	
148 N-Propylbenzene	91	12.118	12.118	0.000	98	21370	1.00	0.9601	
149 2-Chlorotoluene	126	12.191	12.191	0.000	97	4618	1.00	0.9338	
150 1,3,5-Trimethylbenzene	105	12.258	12.258	0.000	95	15510	1.00	0.9108	
151 4-Chlorotoluene	126	12.288	12.288	0.000	96	4637	1.00	0.9490	
154 tert-Butylbenzene	134	12.501	12.501	0.000	90	2959	1.00	0.8823	
156 1,2,4-Trimethylbenzene	105	12.544	12.544	0.000	96	16672	1.00	0.9411	
157 sec-Butylbenzene	105	12.666	12.665	0.001	94	19943	1.00	0.9103	
158 1,3-Dichlorobenzene	146	12.763	12.763	0.000	96	10287	1.00	1.02	
159 4-Isopropyltoluene	119	12.775	12.775	0.000	97	17802	1.00	0.9022	
* 160 1,4-Dichlorobenzene-d4	152	12.818	12.817	0.001	94	332612	50.0	50.0	
161 1,4-Dichlorobenzene	146	12.836	12.836	0.000	94	10206	1.00	0.9874	
163 1,2,3-Trimethylbenzene	105	12.854	12.848	0.006	94	18103	1.00	0.9562	
164 Benzyl chloride	91	12.915	12.915	0.000	98	13557	1.00	0.9592	
165 1,3-Diethylbenzene	119	12.976	12.982	-0.006	96	10718	1.00	0.9330	
166 p-Diethylbenzene	119	13.049	13.055	-0.006	93	12011	1.00	0.9622	
167 n-Butylbenzene	92	13.073	13.073	0.000	97	9046	1.00	0.9476	
168 1,2-Dichlorobenzene	146	13.098	13.097	0.001	98	10275	1.00	0.9787	
169 o-diethylbenzene	119	13.128	13.122	0.006	90	9341	1.00	0.9427	
171 1,2-Dibromo-3-Chloropropane	75	13.639	13.639	0.000	84	1970	1.00	0.9716	
172 1,3,5-Trichlorobenzene	180	13.773	13.773	0.000	96	8090	1.00	0.9592	
173 1,2,4-Trichlorobenzene	180	14.199	14.198	0.001	93	7684	1.00	0.9555	
175 Hexachlorobutadiene	225	14.284	14.284	0.000	93	3074	1.00	0.9417	
176 Naphthalene	128	14.375	14.375	0.000	97	27129	1.00	0.9789	
177 1,2,3-Trichlorobenzene	180	14.521	14.521	0.000	96	7641	1.00	0.99	
178 2-Methylnaphthalene	142	15.117	15.117	0.000	92	10743	1.00	0.9040	
S 185 Total Diethylbenzene	1				0			2.84	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_4ppbEtoh_00691	Amount Added: 12.50	Units: mL	
MSV_HP04_ISSS_00003	Amount Added: 1.00	Units: uL	Run Reagent

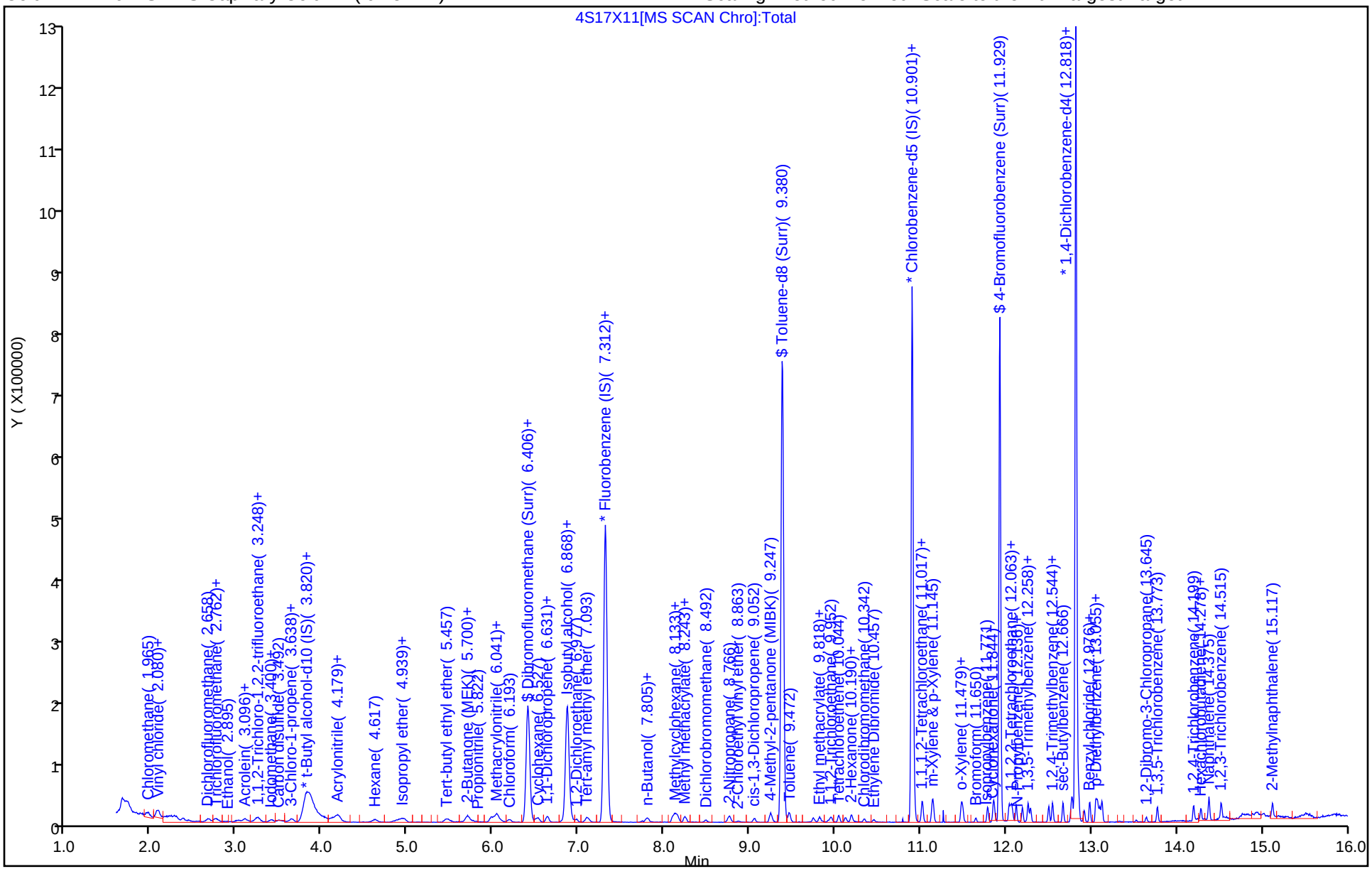
Report Date: 17-Sep-2024 20:47:17 Chrom Revision: 2.3 12-Sep-2024 11:12:44

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20240917-125144.b\4S17X11.D

Injection Date:	17-Sep-2024 16:08:30	Instrument ID:	23297	Operator ID:	jml01693
Lims ID:	IC v1			Worklist Smp#:	12
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	MSVoa_23297	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

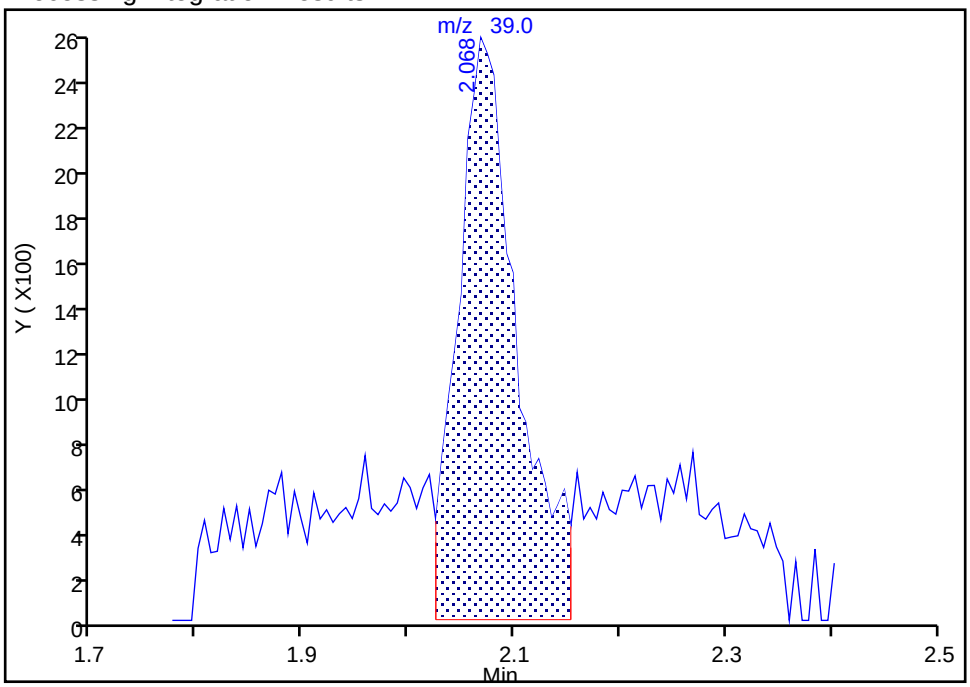
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Injection Date:	17-Sep-2024 16:08:30	Instrument ID:	23297		
Lims ID:	IC v1				
Client ID:					
Operator ID:	jml01693	ALS Bottle#:	4	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

6 Butadiene, CAS: 106-99-0

Signal: 1

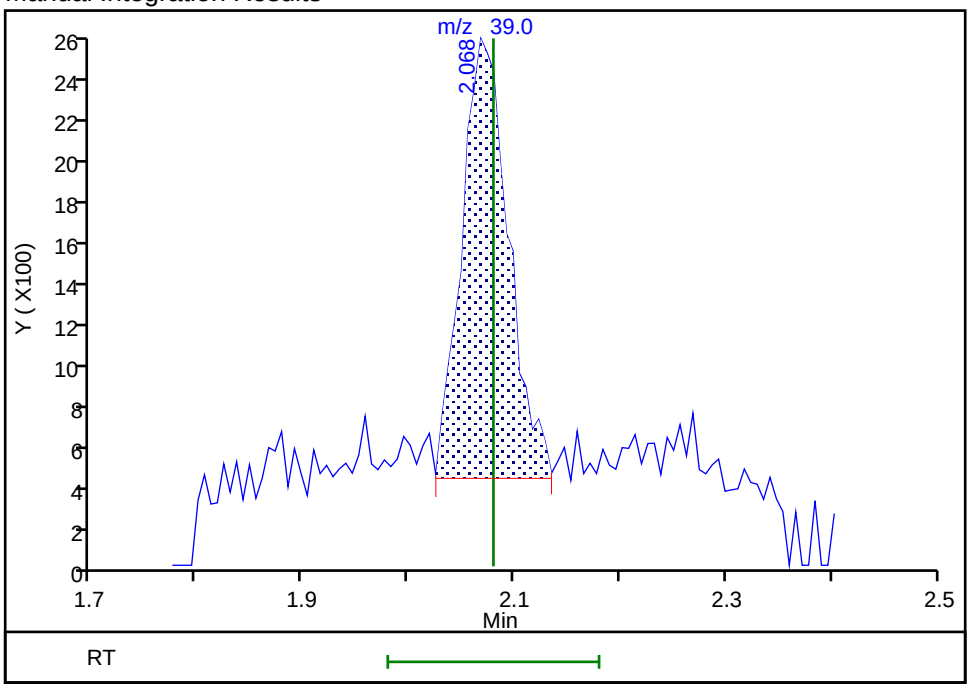
Processing Integration Results

RT: 2.07
Area: 10019
Amount: 0.988864
Amount Units: ug/l



Manual Integration Results

RT: 2.07
Area: 6562
Amount: 1.023693
Amount Units: ug/l



Reviewer: K4WN, 17-Sep-2024 20:16:33 -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

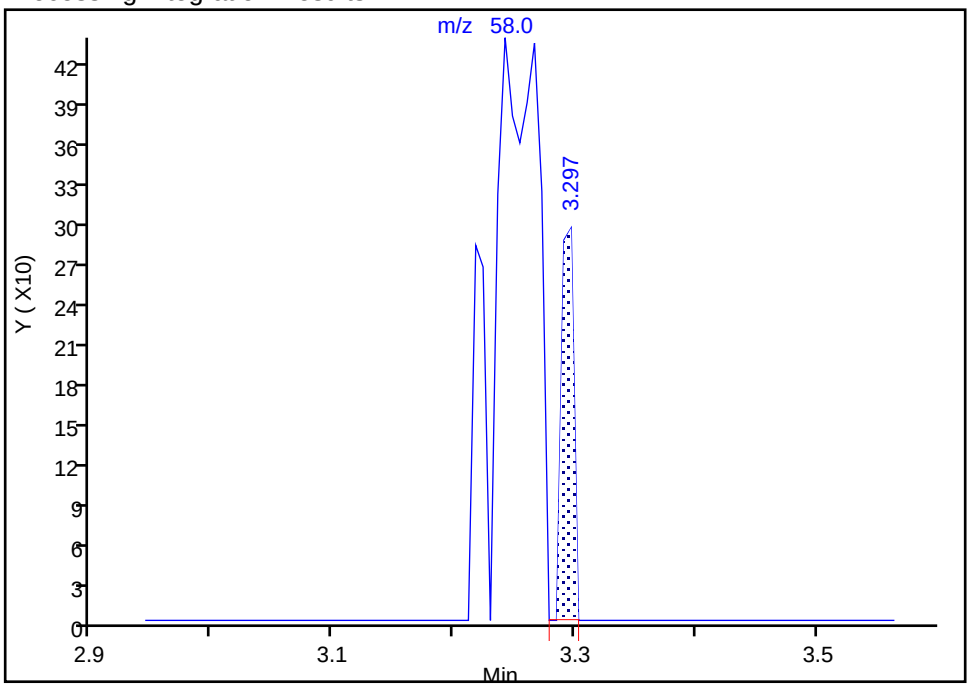
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Injection Date: 17-Sep-2024 16:08:30 Instrument ID: 23297
Lims ID: IC v1
Client ID:
Operator ID: jml01693 ALS Bottle#: 4 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

17 Acetone, CAS: 67-64-1

Signal: 1

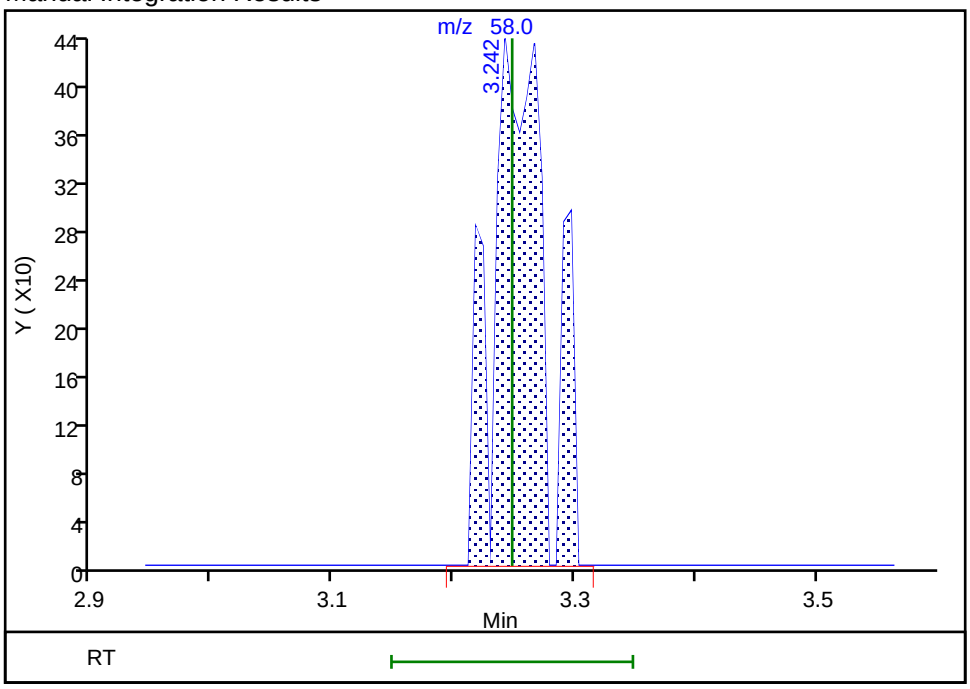
Processing Integration Results

RT: 3.30
Area: 209
Amount: 1.937154
Amount Units: ug/l



Manual Integration Results

RT: 3.24
Area: 1357
Amount: 1.975516
Amount Units: ug/l



Reviewer: K4WN, 17-Sep-2024 20:04:19 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

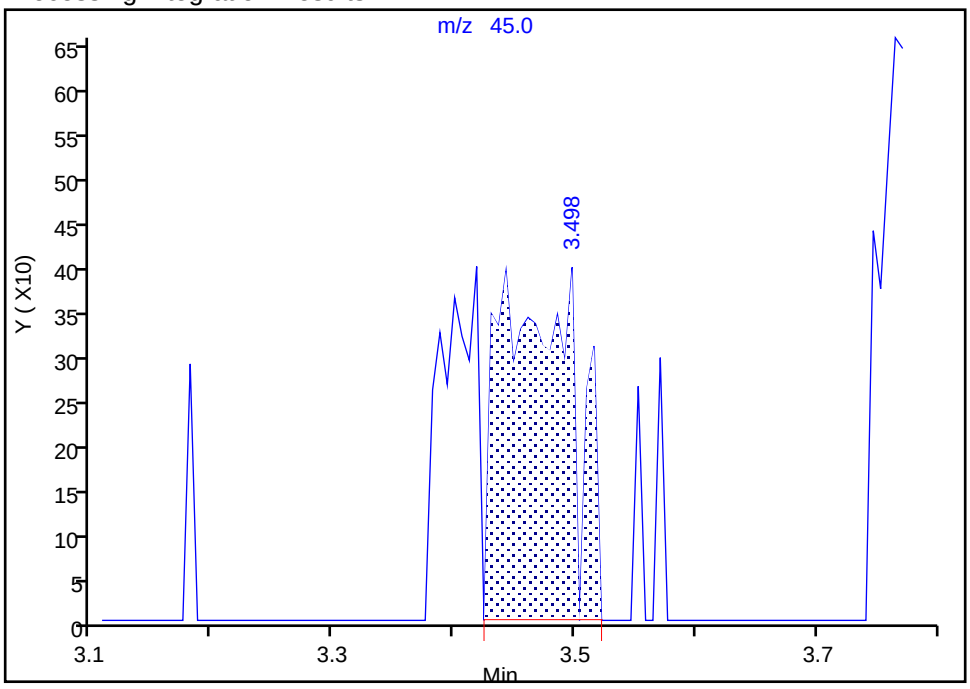
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Injection Date: 17-Sep-2024 16:08:30 Instrument ID: 23297
Lims ID: IC v1
Client ID:
Operator ID: jml01693 ALS Bottle#: 4 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

20 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

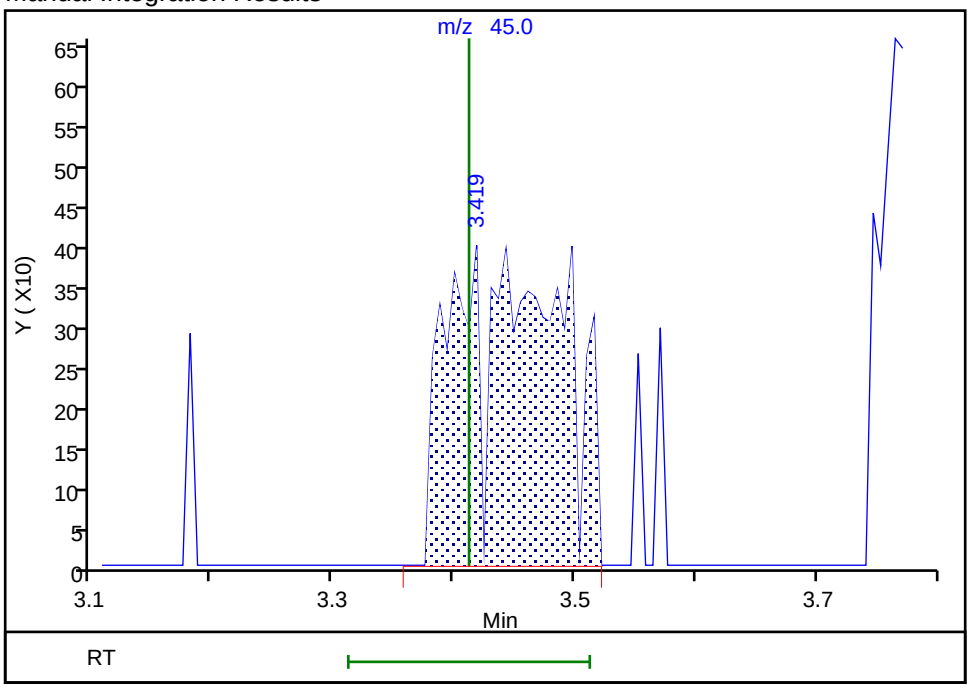
Processing Integration Results

RT: 3.50
Area: 1660
Amount: 4.964429
Amount Units: ug/l



Manual Integration Results

RT: 3.42
Area: 2467
Amount: 3.375665
Amount Units: ug/l



Reviewer: K4WN, 17-Sep-2024 20:04:25 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

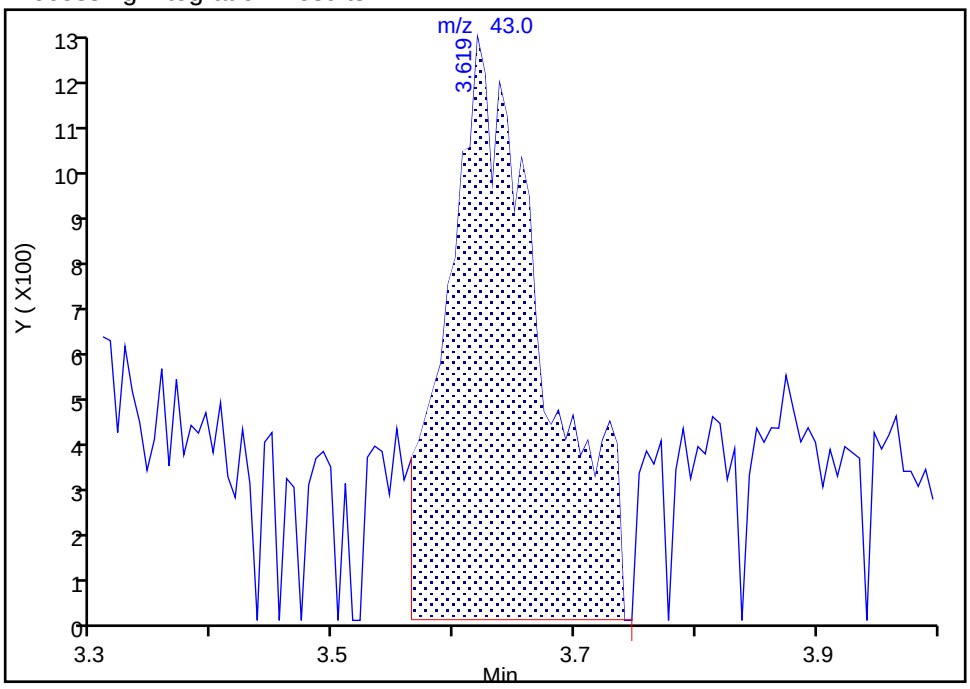
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Injection Date: 17-Sep-2024 16:08:30 Instrument ID: 23297
Lims ID: IC v1
Client ID:
Operator ID: jml01693 ALS Bottle#: 4 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

24 Methyl acetate, CAS: 79-20-9

Signal: 1

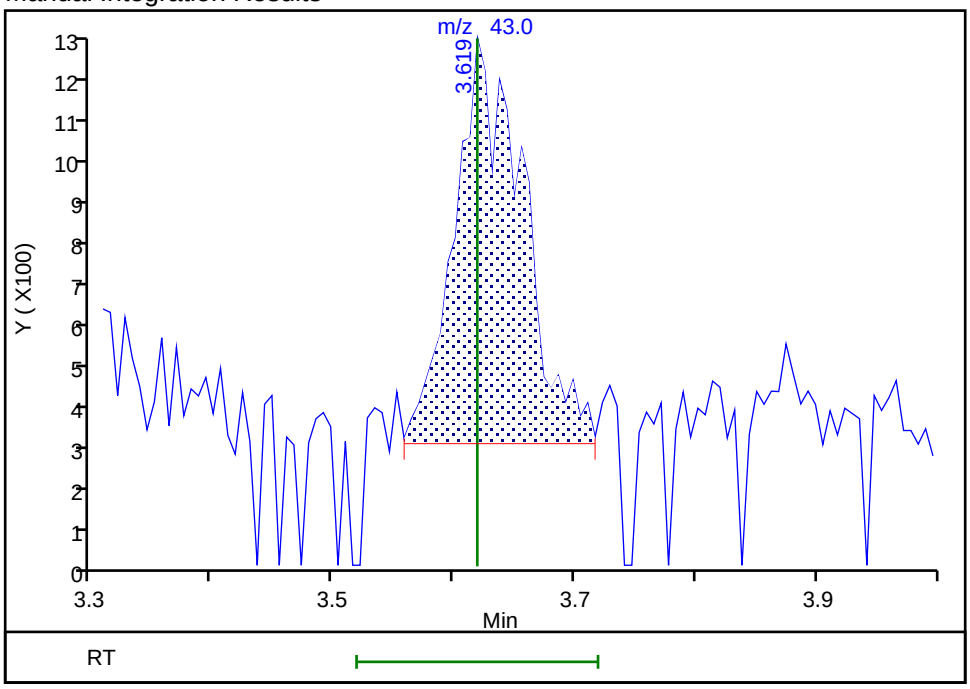
Processing Integration Results

RT: 3.62
Area: 6711
Amount: 1.021981
Amount Units: ug/l



Manual Integration Results

RT: 3.62
Area: 3688
Amount: 0.832259
Amount Units: ug/l



Reviewer: K4WN, 17-Sep-2024 20:24:33 -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

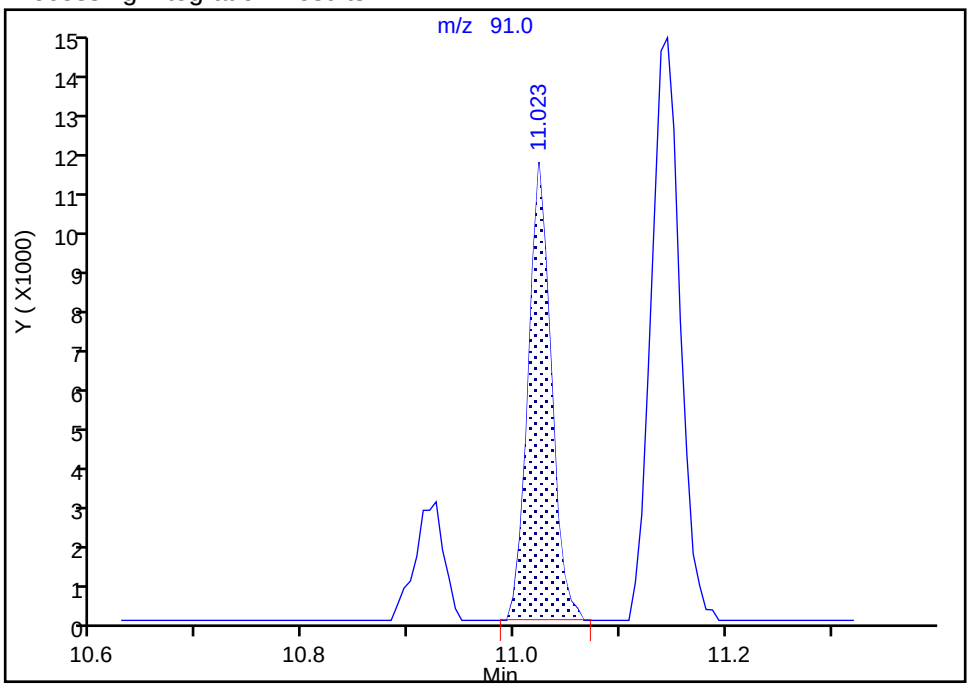
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Injection Date:	17-Sep-2024 16:08:30	Instrument ID:	23297		
Lims ID:	IC v1				
Client ID:					
Operator ID:	jml01693	ALS Bottle#:	4	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

130 1-Chlorohexane, CAS: 544-10-5

Signal: 1

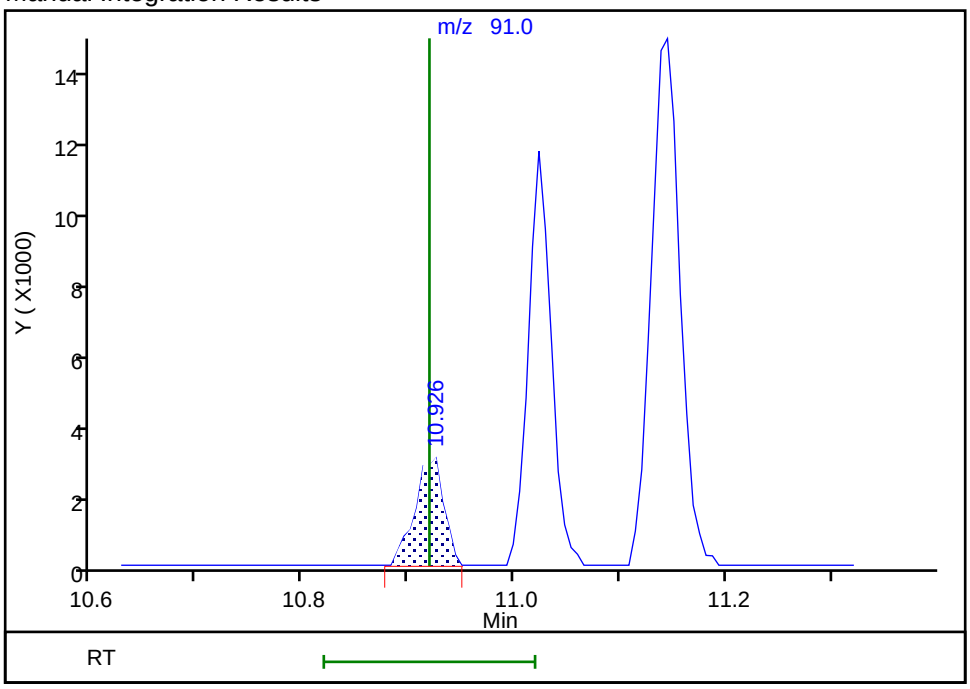
Processing Integration Results

RT: 11.02
Area: 16926
Amount: 2.614855
Amount Units: ug/l



Manual Integration Results

RT: 10.93
Area: 5493
Amount: 1.132443
Amount Units: ug/l



Reviewer: K4WN, 17-Sep-2024 20:04:45 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\23297\20240917-125144.b\4S17X12.D
Lims ID: IC v4
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 17-Sep-2024 16:31:30 ALS Bottle#: 5 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0125144-013
Misc. Info.: IC v4
Operator ID: jml01693 Instrument ID: 23297
Sublist: chrom-MSVoa_23297*sub48

Method: \\chromfs\Lancaster\ChromData\23297\20240917-125144.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 17-Sep-2024 20:47:27 Calib Date: 17-Sep-2024 18:24:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20240917-125144.b\4S17X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1647

First Level Reviewer: K4WN Date: 17-Sep-2024 20:09:40

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.794	1.794	0.000	99	26486	4.00	4.43	
4 Chloromethane	50	1.964	1.964	0.000	99	27390	4.00	4.46	
5 Vinyl chloride	62	2.074	2.068	0.006	84	24857	4.00	4.34	
6 Butadiene	39	2.074	2.080	-0.006	91	29178	4.00	4.53	M
8 Bromomethane	94	2.372	2.372	0.000	90	20495	4.00	4.52	
9 Chloroethane	64	2.439	2.445	-0.006	99	13361	4.00	4.36	
10 Dichlorofluoromethane	67	2.664	2.664	0.000	97	38830	4.00	4.27	
11 Trichlorofluoromethane	101	2.743	2.731	0.012	96	29989	4.00	4.19	
12 Pentane	43	2.755	2.755	0.000	96	30089	4.00	4.53	
13 Ethanol	45	2.901	2.853	0.048	74	23514	250.0	255.0	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.017	3.017	0.000	88	18510	4.00	4.16	
16 Acrolein	56	3.090	3.090	0.000	98	43983	40.1	37.9	
18 1,1-Dichloroethene	96	3.224	3.236	-0.012	97	13783	4.00	4.10	
17 Acetone	58	3.242	3.248	-0.006	97	5171	8.00	7.80	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.260	3.260	0.000	88	16889	4.00	4.16	
21 Iodomethane	142	3.400	3.406	-0.006	98	31880	4.00	4.15	
20 Isopropyl alcohol	45	3.431	3.412	0.018	29	13112	20.0	18.6	
22 Carbon disulfide	76	3.497	3.497	0.000	99	54700	4.00	4.28	
24 Methyl acetate	43	3.619	3.619	0.000	97	17948	4.00	4.03	M
25 3-Chloro-1-propene	41	3.650	3.643	0.007	89	24882	4.00	4.33	
27 Methylene Chloride	84	3.826	3.820	0.006	92	16276	4.00	4.06	
* 28 t-Butyl alcohol-d10 (IS)	65	3.850	3.844	0.006	94	281299	250.0	250.0	
29 2-Methyl-2-propanol	59	3.935	3.948	-0.013	97	23707	20.0	20.4	
30 Acrylonitrile	53	4.112	4.112	0.000	98	23726	10.0	10.0	
31 Methyl tert-butyl ether	73	4.173	4.179	-0.006	94	47804	4.00	4.13	
32 trans-1,2-Dichloroethene	96	4.185	4.185	0.000	98	15073	4.00	4.29	
34 Hexane	57	4.623	4.617	0.006	94	20211	4.00	4.29	
36 1,1-Dichloroethane	63	4.842	4.848	-0.006	95	24916	4.00	4.24	
37 Isopropyl ether	45	4.921	4.915	0.006	93	44500	4.00	4.05	
38 2-Chloro-1,3-butadiene	53	4.951	4.964	-0.013	91	22324	4.00	4.28	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
39 Tert-butyl ethyl ether	59	5.462	5.462	0.000	97	45498	4.00	4.08	
40 2-Butanone (MEK)	43	5.669	5.675	-0.006	100	31681	8.00	8.53	M
41 cis-1,2-Dichloroethene	96	5.700	5.700	0.000	80	17532	4.00	4.25	
42 2,2-Dichloropropane	77	5.706	5.718	-0.012	69	25930	4.00	4.26	
44 Propionitrile	54	5.761	5.754	0.006	83	20846	20.0	19.7	
46 Methacrylonitrile	67	5.980	5.973	0.007	93	23783	10.0	9.75	
47 Chlorobromomethane	128	6.034	6.034	0.000	78	9422	4.00	4.17	
48 Tetrahydrofuran	71	6.053	6.046	0.007	90	20361	20.0	19.7	
S 49 1,2-Dichloroethene, Total	100				0			8.54	
50 Chloroform	83	6.186	6.186	0.000	93	26725	4.00	4.20	
$ 51 Dibromofluoromethane (Surr)	113	6.405	6.405	0.000	93	183277	50.0	50.7	
52 1,1,1-Trichloroethane	97	6.418	6.424	-0.006	40	25260	4.00	4.16	
53 Cyclohexane	56	6.515	6.521	-0.006	90	27076	4.00	4.17	
55 1,1-Dichloropropene	75	6.630	6.637	-0.007	93	19788	4.00	4.10	
54 Carbon tetrachloride	117	6.630	6.637	-0.007	90	22068	4.00	4.19	
56 Isobutyl alcohol	41	6.825	6.819	0.006	91	20282	50.0	49.6	
$ 57 1,2-Dichloroethane-d4 (Surr)	102	6.868	6.868	0.000	100	43054	50.0	50.2	
58 Benzene	78	6.898	6.898	0.000	92	58619	4.00	4.10	
59 1,2-Dichloroethane	62	6.977	6.971	0.006	97	19885	4.00	4.01	
61 Tert-amyl methyl ether	73	7.105	7.105	0.000	97	44626	4.00	4.08	
* 62 Fluorobenzene (IS)	96	7.312	7.312	0.000	99	684308	50.0	50.0	
63 n-Heptane	43	7.342	7.342	0.000	92	21106	4.00	4.23	
64 n-Butanol	56	7.726	7.713	0.013	91	13551	50.0	46.2	
65 Trichloroethene	95	7.799	7.799	0.000	97	15773	4.00	4.13	
68 Methylcyclohexane	83	8.109	8.109	0.000	91	28755	4.00	4.16	
69 1,2-Dichloropropane	63	8.133	8.133	0.000	95	14627	4.00	4.05	
70 2-ethoxy-2-methyl butane	87	8.157	8.157	0.000	91	21822	4.00	4.01	
72 Methyl methacrylate	69	8.237	8.237	0.000	93	12761	4.00	3.70	
71 1,4-Dioxane	88	8.243	8.237	0.006	31	4092	50.0	48.1	M
73 Dibromomethane	93	8.243	8.243	0.000	89	10770	4.00	4.06	
75 Dichlorobromomethane	83	8.486	8.486	0.000	98	19208	4.00	4.07	
76 2-Nitropropane	41	8.760	8.760	0.000	98	35788	20.0	18.8	
77 2-Chloroethyl vinyl ether	63	8.863	8.863	0.000	89	6558	4.00	3.48	
78 cis-1,3-Dichloropropene	75	9.052	9.052	0.000	95	23198	4.00	3.95	
79 4-Methyl-2-pentanone (MIBK)	43	9.246	9.246	0.000	97	57467	8.00	8.01	
$ 80 Toluene-d8 (Surr)	98	9.380	9.386	-0.006	93	684918	50.0	50.9	
81 Toluene	92	9.465	9.465	0.000	98	36443	4.00	4.15	
82 trans-1,3-Dichloropropene	75	9.745	9.745	0.000	93	20423	4.00	3.89	
83 Ethyl methacrylate	69	9.818	9.818	0.000	90	23623	4.00	3.96	
101 1,1,2-Trichloroethane	97	9.952	9.952	0.000	89	14476	4.00	4.12	
117 Tetrachloroethene	166	10.043	10.043	0.000	97	17773	4.00	4.28	
S 116 1,3-Dichloropropene, Total	100				0			7.84	
121 1,3-Dichloropropane	76	10.122	10.122	0.000	92	22006	4.00	4.04	
123 2-Hexanone	43	10.189	10.183	0.006	95	41699	8.00	8.12	
126 Chlorodibromomethane	129	10.341	10.341	0.000	90	16440	4.00	3.97	
127 Ethylene Dibromide	107	10.451	10.451	0.000	98	15861	4.00	4.13	
* 129 Chlorobenzene-d5 (IS)	117	10.901	10.901	0.000	84	523764	50.0	50.0	
130 1-Chlorohexane	91	10.925	10.919	0.006	97	20393	4.00	4.19	
131 Chlorobenzene	112	10.932	10.932	0.000	97	42213	4.00	4.02	
132 1,1,1,2-Tetrachloroethane	131	11.017	11.017	0.000	95	17274	4.00	4.14	
133 Ethylbenzene	91	11.023	11.023	0.000	98	75296	4.00	4.22	
134 m-Xylene & p-Xylene	106	11.144	11.144	0.000	0	59303	8.00	8.29	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 135 Xylenes, Total	106				0			12.4	
136 o-Xylene	106	11.479	11.479	0.000	95	31410	4.00	4.15	
138 Styrene	104	11.491	11.491	0.000	94	46496	4.00	4.00	
139 Bromoform	173	11.649	11.649	0.000	97	13131	4.00	3.87	
140 Isopropylbenzene	105	11.783	11.783	0.000	95	73012	4.00	4.14	
142 Cyclohexanone	55	11.856	11.856	0.000	93	64674	200.0	193.5	
$ 143 4-Bromofluorobenzene (Surr)	95	11.929	11.929	0.000	95	255560	50.0	50.2	
144 1,1,2,2-Tetrachloroethane	83	12.033	12.033	0.000	95	27222	4.00	3.90	
145 Bromobenzene	156	12.045	12.045	0.000	89	20277	4.00	3.92	
146 trans-1,4-Dichloro-2-butene	53	12.063	12.057	0.006	89	18276	10.0	9.59	
147 1,2,3-Trichloropropane	110	12.075	12.075	0.000	82	8297	4.00	3.90	
148 N-Propylbenzene	91	12.118	12.118	0.000	99	94351	4.00	4.14	
149 2-Chlorotoluene	126	12.191	12.191	0.000	98	20306	4.00	4.01	
150 1,3,5-Trimethylbenzene	105	12.258	12.258	0.000	94	69765	4.00	4.00	
151 4-Chlorotoluene	126	12.288	12.288	0.000	95	19906	4.00	3.98	
154 tert-Butylbenzene	134	12.501	12.501	0.000	92	13615	4.00	3.97	
156 1,2,4-Trimethylbenzene	105	12.544	12.544	0.000	97	72797	4.00	4.02	
157 sec-Butylbenzene	105	12.665	12.665	0.000	94	91146	4.00	4.07	
158 1,3-Dichlorobenzene	146	12.763	12.763	0.000	98	41631	4.00	4.02	
159 4-Isopropyltoluene	119	12.775	12.775	0.000	97	81640	4.00	4.04	
* 160 1,4-Dichlorobenzene-d4	152	12.817	12.817	0.000	93	340289	50.0	50.0	
161 1,4-Dichlorobenzene	146	12.836	12.836	0.000	95	43682	4.00	4.13	
163 1,2,3-Trimethylbenzene	105	12.848	12.848	0.000	98	78129	4.00	4.03	
164 Benzyl chloride	91	12.915	12.915	0.000	98	55719	4.00	3.85	
165 1,3-Diethylbenzene	119	12.982	12.982	0.000	95	46557	4.00	3.96	
166 p-Diethylbenzene	119	13.055	13.055	0.000	96	51871	4.00	4.06	
167 n-Butylbenzene	92	13.073	13.073	0.000	98	39227	4.00	4.02	
168 1,2-Dichlorobenzene	146	13.097	13.097	0.000	99	42891	4.00	3.99	
169 o-diethylbenzene	119	13.122	13.122	0.000	93	40067	4.00	3.95	
171 1,2-Dibromo-3-Chloropropane	75	13.639	13.639	0.000	88	8294	4.00	4.00	
172 1,3,5-Trichlorobenzene	180	13.773	13.773	0.000	97	35748	4.00	4.14	
173 1,2,4-Trichlorobenzene	180	14.192	14.198	-0.006	94	34197	4.00	4.16	
175 Hexachlorobutadiene	225	14.284	14.284	0.000	98	13391	4.00	4.01	
176 Naphthalene	128	14.375	14.375	0.000	96	114936	4.00	4.05	
177 1,2,3-Trichlorobenzene	180	14.521	14.521	0.000	96	32036	4.00	4.08	
178 2-Methylnaphthalene	142	15.117	15.117	0.000	92	47612	4.00	3.92	
S 185 Total Diethylbenzene	1				0			12.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_VOC#1_00201	Amount Added:	4.00	Units: uL	
MSV_CCV_VOC#3_00198	Amount Added:	3.20	Units: uL	
MSV_CCV_2CEVE_00193	Amount Added:	4.00	Units: uL	
MSV_CCV_ETOH_00006	Amount Added:	20.00	Units: uL	
MSV_CCV_GASES_00856	Amount Added:	2.00	Units: uL	
MSV_CCV_CYC_00010	Amount Added:	32.00	Units: uL	
MSV_HP04_ISSS_00003	Amount Added:	1.00	Units: uL	Run Reagent

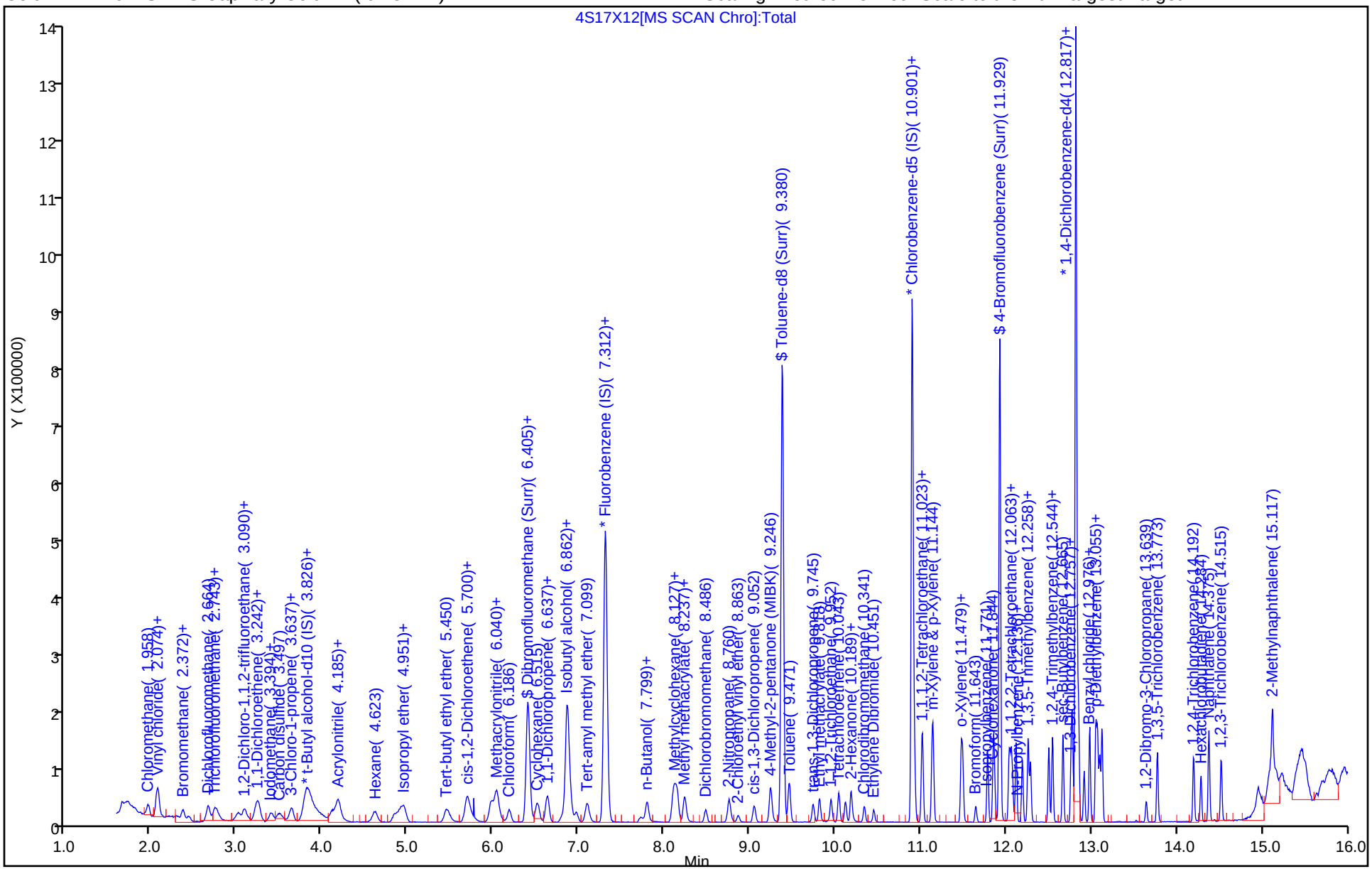
Report Date: 17-Sep-2024 20:47:27 Chrom Revision: 2.3 12-Sep-2024 11:12:44

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20240917-125144.b\4S17X12.D

Injection Date:	17-Sep-2024 16:31:30	Instrument ID:	23297	Operator ID:	jml01693
Lims ID:	IC v4			Worklist Smp#:	13
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	MSVoa_23297	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

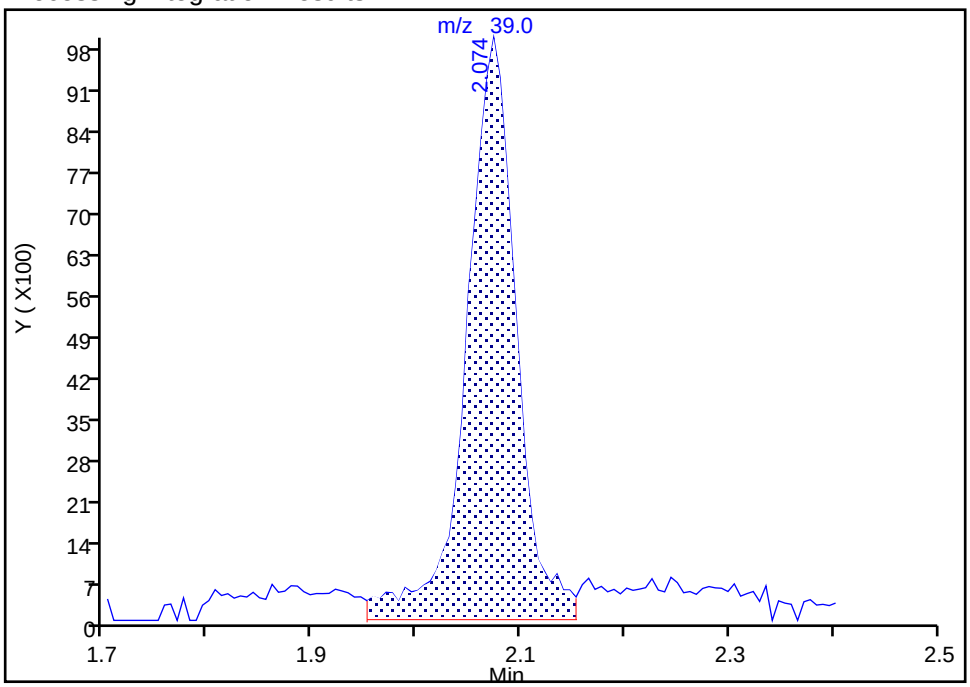
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Injection Date: 17-Sep-2024 16:31:30 Instrument ID: 23297
Lims ID: IC v4
Client ID:
Operator ID: jml01693 ALS Bottle#: 5 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

6 Butadiene, CAS: 106-99-0

Signal: 1

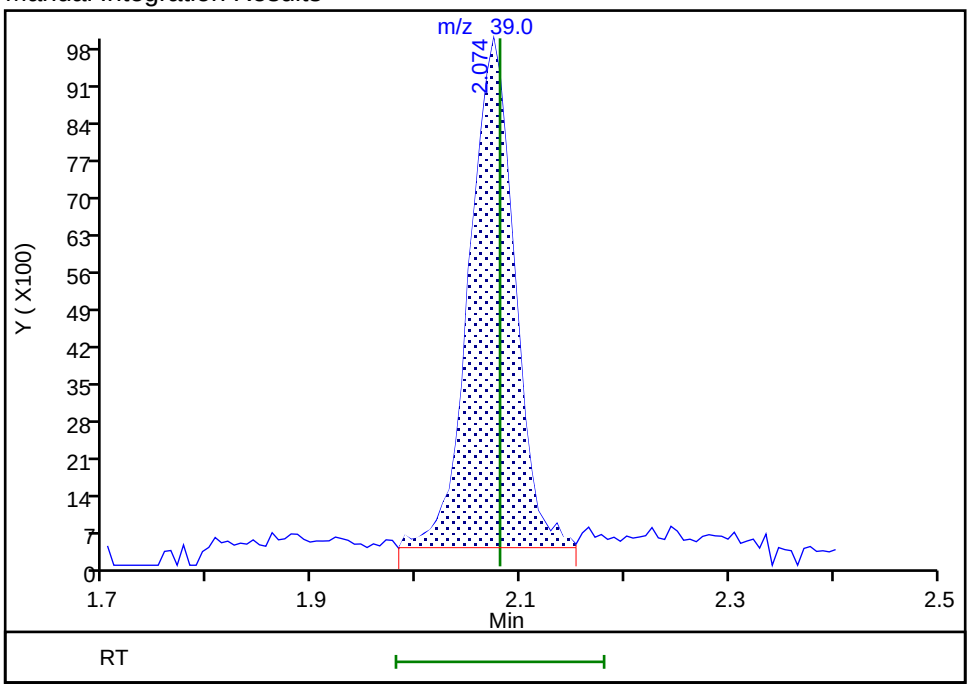
Processing Integration Results

RT: 2.07
Area: 33239
Amount: 4.592411
Amount Units: ug/l



Manual Integration Results

RT: 2.07
Area: 29178
Amount: 4.529892
Amount Units: ug/l



Reviewer: K4WN, 17-Sep-2024 20:07:16 -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

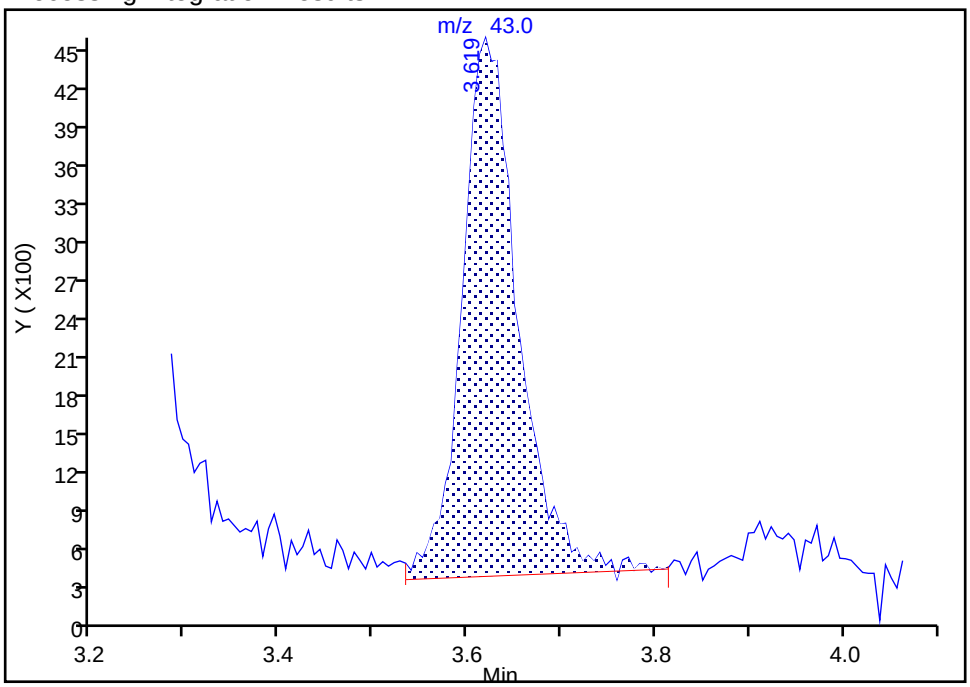
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Injection Date: 17-Sep-2024 16:31:30 Instrument ID: 23297
Lims ID: IC v4
Client ID:
Operator ID: jml01693 ALS Bottle#: 5 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

24 Methyl acetate, CAS: 79-20-9

Signal: 1

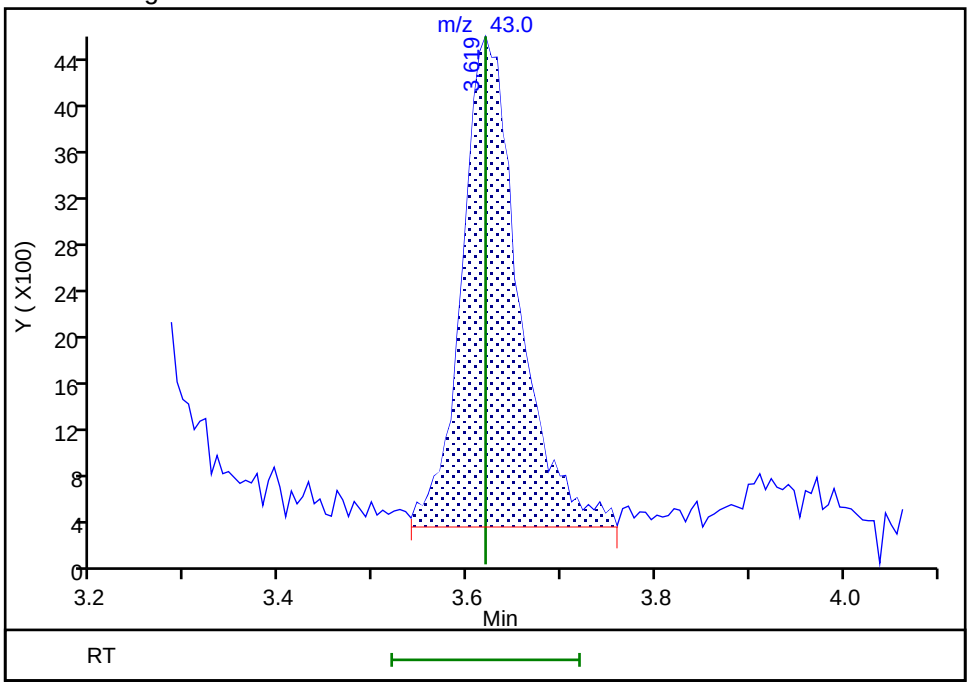
Processing Integration Results

RT: 3.62
Area: 17475
Amount: 3.455996
Amount Units: ug/l



Manual Integration Results

RT: 3.62
Area: 17948
Amount: 4.030715
Amount Units: ug/l



Reviewer: K4WN, 17-Sep-2024 20:23:28 -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

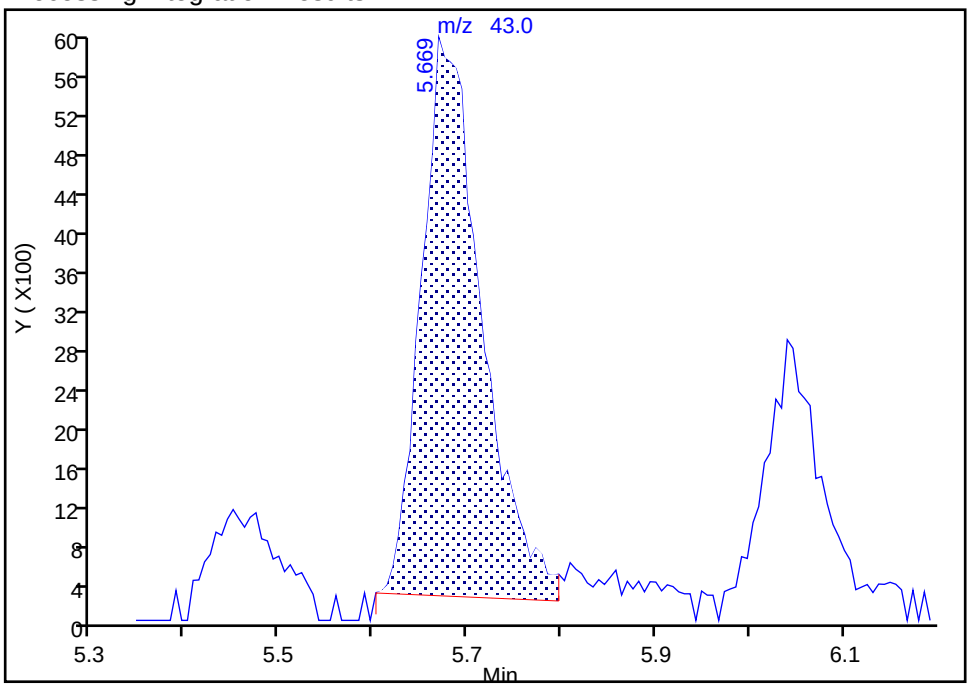
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Injection Date: 17-Sep-2024 16:31:30 Instrument ID: 23297
Lims ID: IC v4
Client ID:
Operator ID: jml01693 ALS Bottle#: 5 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

40 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

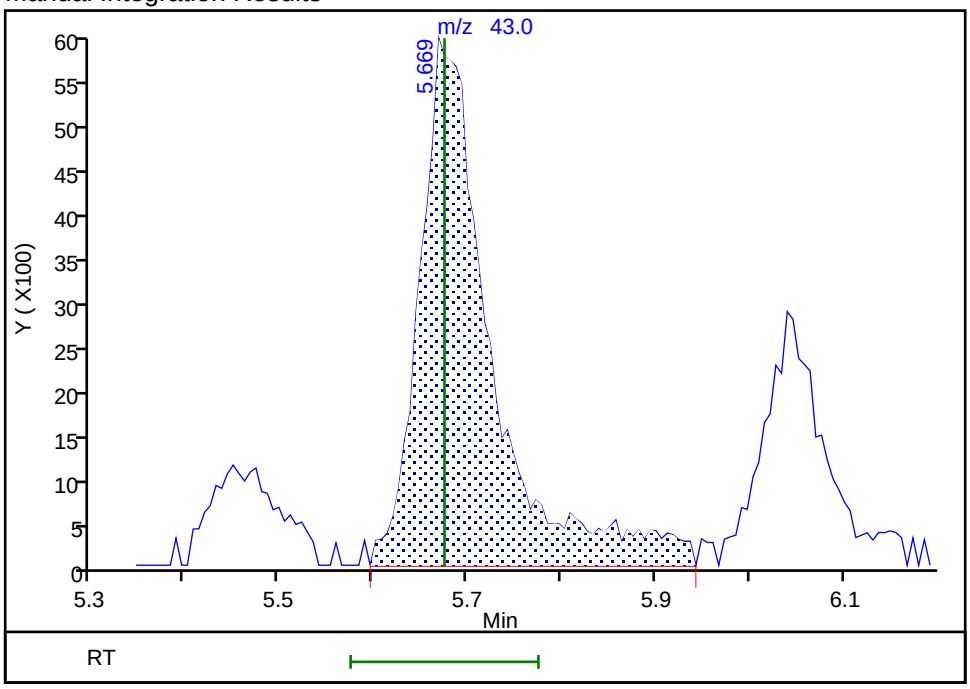
Processing Integration Results

RT: 5.67
Area: 25547
Amount: 7.089232
Amount Units: ug/l



Manual Integration Results

RT: 5.67
Area: 31681
Amount: 8.532062
Amount Units: ug/l



Reviewer: K4WN, 17-Sep-2024 20:07:43 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

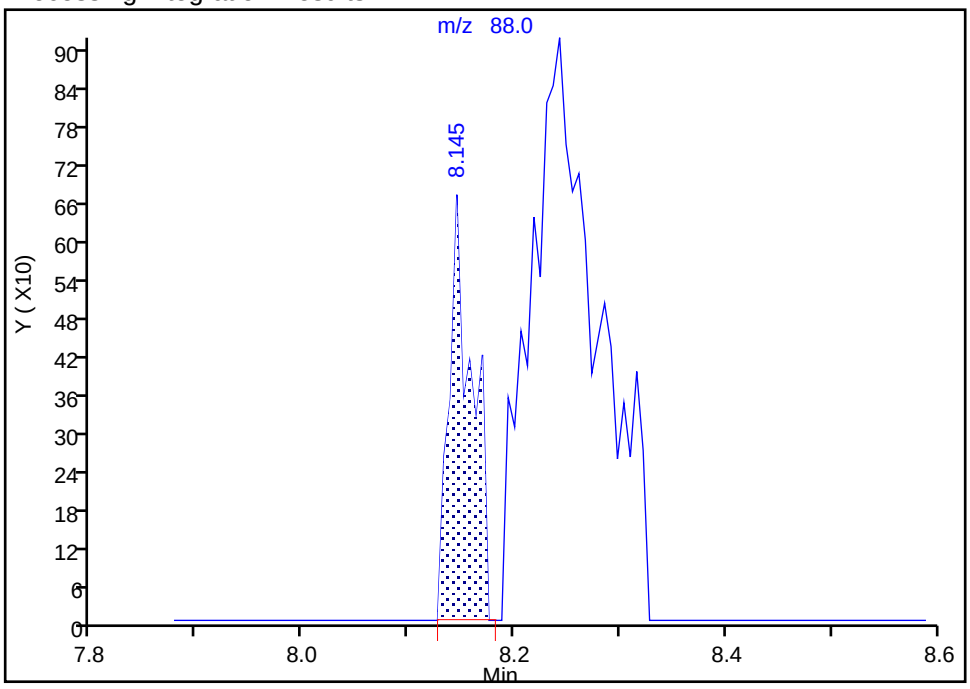
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Injection Date: 17-Sep-2024 16:31:30 Instrument ID: 23297
Lims ID: IC v4
Client ID:
Operator ID: jml01693 ALS Bottle#: 5 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

71 1,4-Dioxane, CAS: 123-91-1

Signal: 1

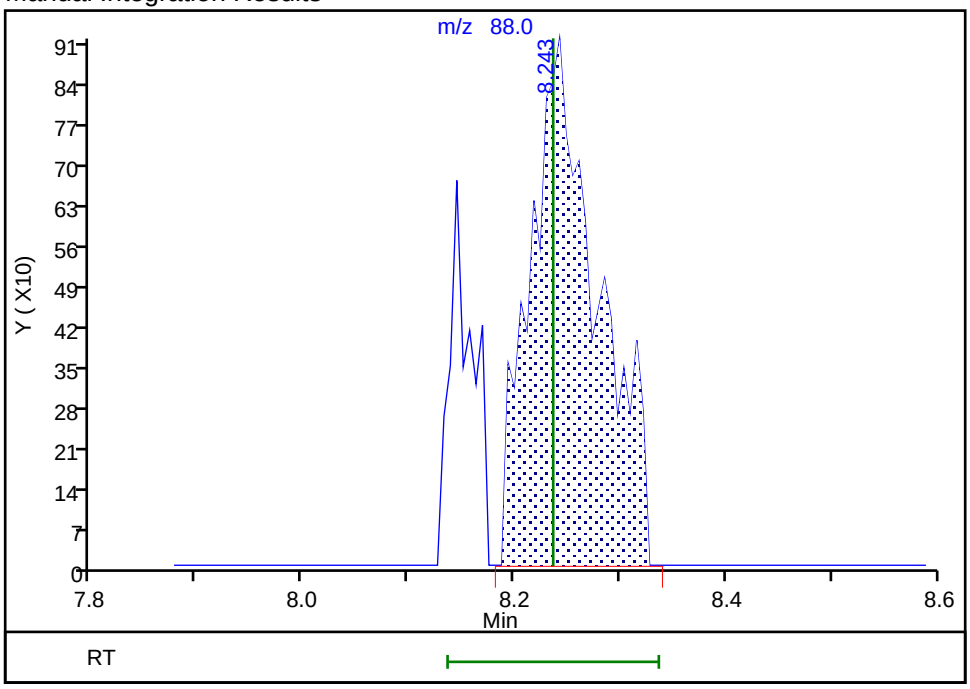
Processing Integration Results

RT: 8.15
Area: 1004
Amount: 42.734434
Amount Units: ug/l



Manual Integration Results

RT: 8.24
Area: 4092
Amount: 48.076085
Amount Units: ug/l



Reviewer: K4WN, 17-Sep-2024 20:09:16 -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\23297\20240917-125144.b\4S17X13.D
Lims ID: IC v10
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 17-Sep-2024 16:53:30 ALS Bottle#: 6 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0125144-014
Misc. Info.: IC v10
Operator ID: jml01693 Instrument ID: 23297
Sublist: chrom-MSVoa_23297*sub48

Method: \\chromfs\Lancaster\ChromData\23297\20240917-125144.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 17-Sep-2024 20:47:37 Calib Date: 17-Sep-2024 18:24:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20240917-125144.b\4S17X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1647

First Level Reviewer: K4WN Date: 17-Sep-2024 20:10:44

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.788	1.794	-0.006	99	59102	10.0	10.1	
4 Chloromethane	50	1.958	1.964	-0.006	98	62158	10.0	10.4	
5 Vinyl chloride	62	2.068	2.068	0.000	85	58260	10.0	10.4	
6 Butadiene	39	2.068	2.080	-0.012	92	63610	10.0	10.1	M
8 Bromomethane	94	2.366	2.372	-0.006	90	46468	10.0	10.5	
9 Chloroethane	64	2.439	2.445	-0.006	99	30987	10.0	10.4	
10 Dichlorofluoromethane	67	2.664	2.664	0.000	97	94338	10.0	10.6	
11 Trichlorofluoromethane	101	2.731	2.731	0.000	95	71257	10.0	10.2	
12 Pentane	43	2.755	2.755	0.000	95	63979	10.0	9.89	
13 Ethanol	45	2.920	2.853	0.067	92	48339	500.0	524.0	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.011	3.017	-0.006	89	44604	10.0	10.3	
16 Acrolein	56	3.090	3.090	0.000	98	106753	100.2	92.0	
18 1,1-Dichloroethene	96	3.218	3.236	-0.018	97	33973	10.0	10.4	
17 Acetone	58	3.242	3.248	-0.006	98	13628	20.0	20.5	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.260	3.260	0.000	90	40052	10.0	10.1	
21 Iodomethane	142	3.400	3.406	-0.006	98	77697	10.0	10.4	
20 Isopropyl alcohol	45	3.449	3.412	0.037	53	39475	50.0	55.9	
22 Carbon disulfide	76	3.504	3.497	0.007	99	125084	10.0	10.0	
24 Methyl acetate	43	3.619	3.619	0.000	95	46800	10.0	10.8	
25 3-Chloro-1-propene	41	3.638	3.643	-0.005	90	54530	10.0	9.73	
27 Methylene Chloride	84	3.826	3.820	0.006	93	39183	10.0	10.0	
* 28 t-Butyl alcohol-d10 (IS)	65	3.838	3.844	-0.006	94	281359	250.0	250.0	
29 2-Methyl-2-propanol	59	3.942	3.948	-0.006	99	62717	50.0	53.9	
30 Acrylonitrile	53	4.112	4.112	0.000	98	61043	25.0	26.4	
31 Methyl tert-butyl ether	73	4.179	4.179	0.000	95	119080	10.0	10.5	
32 trans-1,2-Dichloroethene	96	4.185	4.185	0.000	99	35727	10.0	10.4	
34 Hexane	57	4.611	4.617	-0.006	93	46553	10.0	10.1	
36 1,1-Dichloroethane	63	4.848	4.848	0.000	96	59227	10.0	10.3	
37 Isopropyl ether	45	4.909	4.915	-0.006	94	113088	10.0	10.5	
38 2-Chloro-1,3-butadiene	53	4.958	4.964	-0.006	91	52479	10.0	10.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
39 Tert-butyl ethyl ether	59	5.457	5.462	-0.005	97	113636	10.0	10.5	
40 2-Butanone (MEK)	43	5.676	5.675	0.001	100	69777	20.0	19.3	
41 cis-1,2-Dichloroethene	96	5.694	5.700	-0.006	82	42686	10.0	10.6	
42 2,2-Dichloropropane	77	5.706	5.718	-0.012	77	60528	10.0	10.2	
44 Propionitrile	54	5.761	5.754	0.007	99	52182	50.0	49.2	
46 Methacrylonitrile	67	5.974	5.973	0.001	95	62091	25.0	26.1	
47 Chlorobromomethane	128	6.028	6.034	-0.006	87	23321	10.0	10.6	
48 Tetrahydrofuran	71	6.041	6.046	-0.005	92	51532	50.0	49.9	
S 49 1,2-Dichloroethene, Total	100				0			21.0	
50 Chloroform	83	6.187	6.186	0.001	93	65406	10.0	10.5	
$ 51 Dibromofluoromethane (Surr)	113	6.406	6.405	0.001	94	177256	50.0	50.3	
52 1,1,1-Trichloroethane	97	6.418	6.424	-0.006	98	60743	10.0	10.3	
53 Cyclohexane	56	6.515	6.521	-0.006	92	63683	10.0	10.1	
55 1,1-Dichloropropene	75	6.637	6.637	0.000	92	48698	10.0	10.3	
54 Carbon tetrachloride	117	6.631	6.637	-0.006	96	51474	10.0	10.0	
56 Isobutyl alcohol	41	6.819	6.819	0.000	93	55657	125.0	136.0	
$ 57 1,2-Dichloroethane-d4 (Surr)	102	6.868	6.868	0.000	100	41367	50.0	49.4	
58 Benzene	78	6.898	6.898	0.000	96	143294	10.0	10.3	
59 1,2-Dichloroethane	62	6.971	6.971	0.000	98	50605	10.0	10.5	
61 Tert-amyl methyl ether	73	7.093	7.105	-0.012	98	111751	10.0	10.5	
* 62 Fluorobenzene (IS)	96	7.312	7.312	0.000	99	667293	50.0	50.0	
63 n-Heptane	43	7.336	7.342	-0.006	92	47887	10.0	9.84	
64 n-Butanol	56	7.714	7.713	0.001	91	41943	125.0	142.9	
65 Trichloroethene	95	7.799	7.799	0.001	97	39575	10.0	10.6	
68 Methylcyclohexane	83	8.109	8.109	0.000	90	66727	10.0	9.90	
69 1,2-Dichloropropane	63	8.133	8.133	0.000	95	36755	10.0	10.4	
70 2-ethoxy-2-methyl butane	87	8.152	8.157	-0.005	92	54494	10.0	10.3	
72 Methyl methacrylate	69	8.231	8.237	-0.006	92	35006	10.0	10.4	
71 1,4-Dioxane	88	8.225	8.237	-0.012	31	11569	125.0	135.9	M
73 Dibromomethane	93	8.249	8.243	0.006	91	26996	10.0	10.4	
75 Dichlorobromomethane	83	8.486	8.486	0.000	99	46557	10.0	10.1	
76 2-Nitropropane	41	8.760	8.760	0.000	99	96166	50.0	50.5	
77 2-Chloroethyl vinyl ether	63	8.863	8.863	0.000	92	18645	10.0	10.1	
78 cis-1,3-Dichloropropene	75	9.052	9.052	0.000	95	57609	10.0	10.1	
79 4-Methyl-2-pentanone (MIBK)	43	9.247	9.246	0.001	97	144614	20.0	20.7	
$ 80 Toluene-d8 (Surr)	98	9.387	9.386	0.001	93	664962	50.0	50.9	
81 Toluene	92	9.466	9.465	0.001	98	91127	10.0	10.7	
82 trans-1,3-Dichloropropene	75	9.739	9.745	-0.006	93	52770	10.0	10.3	
83 Ethyl methacrylate	69	9.818	9.818	0.000	90	61269	10.0	10.6	
101 1,1,2-Trichloroethane	97	9.952	9.952	0.000	88	36193	10.0	10.6	
117 Tetrachloroethene	166	10.044	10.043	0.001	97	41259	10.0	10.2	
S 116 1,3-Dichloropropene, Total	100				0			20.4	
121 1,3-Dichloropropane	76	10.123	10.122	0.001	92	54989	10.0	10.4	
123 2-Hexanone	43	10.190	10.183	0.007	97	109177	20.0	21.9	
126 Chlorodibromomethane	129	10.342	10.341	0.001	90	40916	10.0	10.2	
127 Ethylene Dibromide	107	10.451	10.451	0.000	99	38739	10.0	10.4	
* 129 Chlorobenzene-d5 (IS)	117	10.901	10.901	0.000	84	509155	50.0	50.0	
130 1-Chlorohexane	91	10.920	10.919	0.001	97	47556	10.0	10.0	
131 Chlorobenzene	112	10.932	10.932	0.000	98	107288	10.0	10.5	
132 1,1,1,2-Tetrachloroethane	131	11.017	11.017	0.000	97	42905	10.0	10.6	
133 Ethylbenzene	91	11.023	11.023	0.000	98	182288	10.0	10.5	
134 m-Xylene & p-Xylene	106	11.139	11.144	-0.005	0	146684	20.0	21.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 135 Xylenes, Total	106				0			31.6	
136 o-Xylene	106	11.479	11.479	0.000	95	77102	10.0	10.5	
138 Styrene	104	11.491	11.491	0.000	95	119323	10.0	10.6	
139 Bromoform	173	11.644	11.649	-0.005	97	33776	10.0	10.2	
140 Isopropylbenzene	105	11.783	11.783	0.000	95	177880	10.0	10.4	
142 Cyclohexanone	55	11.856	11.856	0.000	93	87894	250.0	262.9	
$ 143 4-Bromofluorobenzene (Surr)	95	11.929	11.929	0.000	95	250816	50.0	50.7	
144 1,1,2,2-Tetrachloroethane	83	12.033	12.033	0.000	95	70598	10.0	10.4	
145 Bromobenzene	156	12.045	12.045	0.000	88	51646	10.0	10.3	
146 trans-1,4-Dichloro-2-butene	53	12.057	12.057	0.000	90	49902	25.0	27.0	
147 1,2,3-Trichloropropane	110	12.075	12.075	0.000	83	21843	10.0	10.6	
148 N-Propylbenzene	91	12.118	12.118	0.000	98	226974	10.0	10.3	
149 2-Chlorotoluene	126	12.191	12.191	0.000	98	50458	10.0	10.3	
150 1,3,5-Trimethylbenzene	105	12.258	12.258	0.000	94	172655	10.0	10.2	
151 4-Chlorotoluene	126	12.288	12.288	0.000	96	50044	10.0	10.3	
154 tert-Butylbenzene	134	12.501	12.501	0.000	92	32921	10.0	9.90	
156 1,2,4-Trimethylbenzene	105	12.544	12.544	0.000	97	178106	10.0	10.1	
157 sec-Butylbenzene	105	12.666	12.665	0.001	94	220462	10.0	10.1	
158 1,3-Dichlorobenzene	146	12.763	12.763	0.000	98	102708	10.0	10.2	
159 4-Isopropyltoluene	119	12.775	12.775	0.000	97	201473	10.0	10.3	
* 160 1,4-Dichlorobenzene-d4	152	12.818	12.817	0.001	94	329786	50.0	50.0	
161 1,4-Dichlorobenzene	146	12.836	12.836	0.000	97	105733	10.0	10.3	
163 1,2,3-Trimethylbenzene	105	12.848	12.848	0.000	98	192055	10.0	10.2	
164 Benzyl chloride	91	12.915	12.915	0.000	98	145719	10.0	10.4	
165 1,3-Diethylbenzene	119	12.982	12.982	0.000	95	117273	10.0	10.3	
166 p-Diethylbenzene	119	13.049	13.055	-0.006	94	128444	10.0	10.4	
167 n-Butylbenzene	92	13.073	13.073	0.000	97	98007	10.0	10.4	
168 1,2-Dichlorobenzene	146	13.098	13.097	0.001	99	109365	10.0	10.5	
169 o-diethylbenzene	119	13.122	13.122	0.000	94	98469	10.0	10.0	
171 1,2-Dibromo-3-Chloropropane	75	13.639	13.639	0.000	90	21872	10.0	10.9	
172 1,3,5-Trichlorobenzene	180	13.773	13.773	0.000	98	88068	10.0	10.5	
173 1,2,4-Trichlorobenzene	180	14.193	14.198	-0.005	95	85952	10.0	10.8	
175 Hexachlorobutadiene	225	14.284	14.284	0.000	98	33342	10.0	10.3	
176 Naphthalene	128	14.375	14.375	0.000	96	300552	10.0	10.9	
177 1,2,3-Trichlorobenzene	180	14.521	14.521	0.000	96	81545	10.0	10.7	
178 2-Methylnaphthalene	142	15.117	15.117	0.000	92	127685	10.0	10.8	
S 185 Total Diethylbenzene	1				0			30.7	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_VOC#1_00201	Amount Added:	2.00	Units: uL	
MSV_CCV_VOC#3_00198	Amount Added:	1.60	Units: uL	
MSV_CCV_2CEVE_00193	Amount Added:	2.00	Units: uL	
MSV_CCV_ETOH_00006	Amount Added:	8.00	Units: uL	
MSV_CCV_GASES_00856	Amount Added:	1.00	Units: uL	
MSV_CCV_CYC_00010	Amount Added:	8.00	Units: uL	
MSV_HP04_ISSS_00003	Amount Added:	1.00	Units: uL	Run Reagent

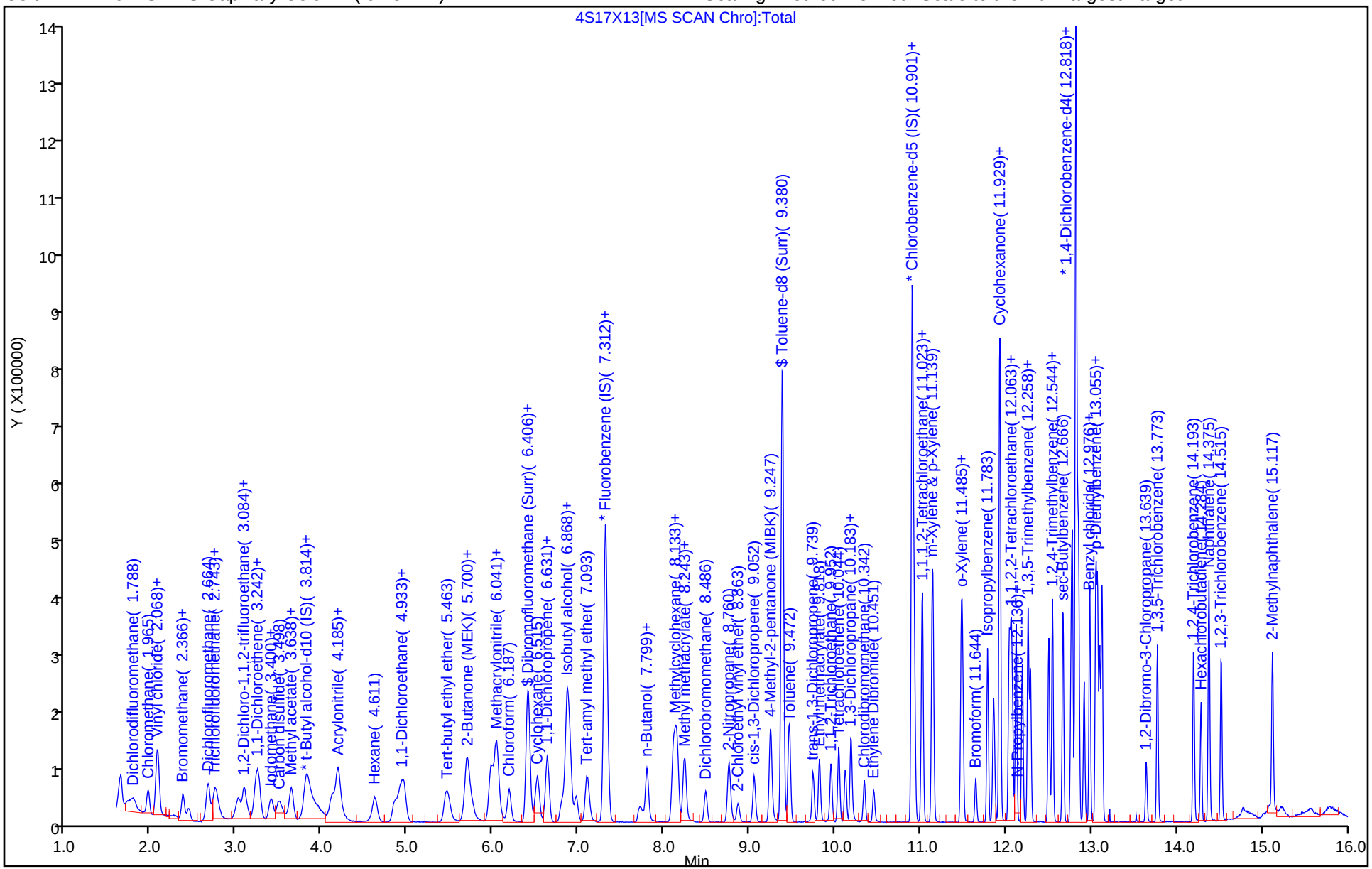
Report Date: 17-Sep-2024 20:47:38 Chrom Revision: 2.3 12-Sep-2024 11:12:44

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20240917-125144.b\4S17X13.D

Injection Date:	17-Sep-2024 16:53:30	Instrument ID:	23297	Operator ID:	jml01693
Lims ID:	IC v10			Worklist Smp#:	14
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	MSVoa_23297	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

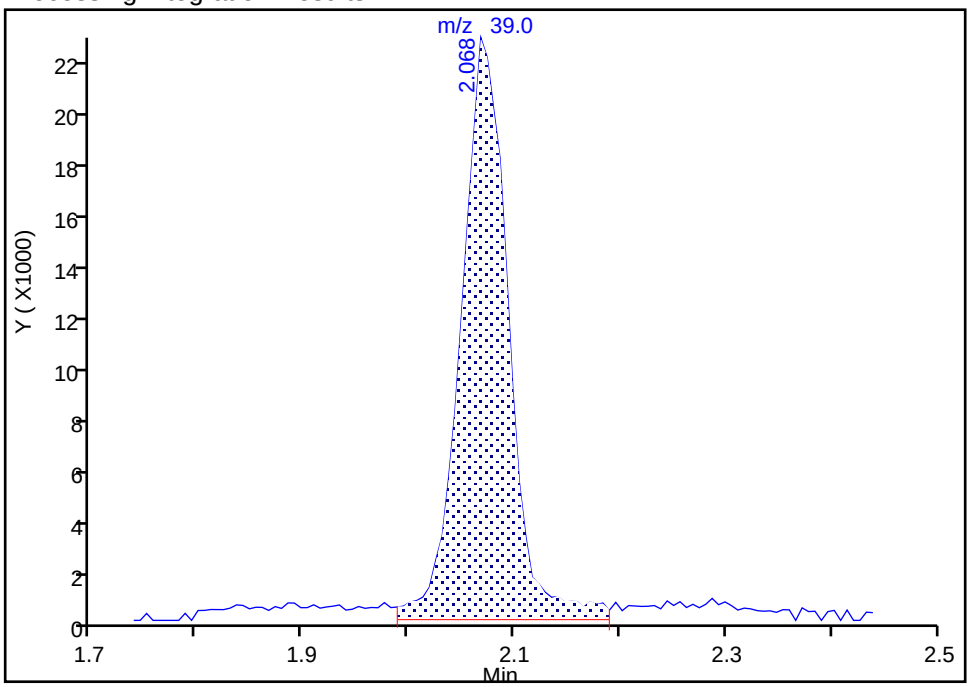
Data File: \\chromfs\Lancaster\ChromData\23297\20240917-125144.b\4S17X13.D
Injection Date: 17-Sep-2024 16:53:30 Instrument ID: 23297
Lims ID: IC v10
Client ID:
Operator ID: jml01693 ALS Bottle#: 6 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

6 Butadiene, CAS: 106-99-0

Signal: 1

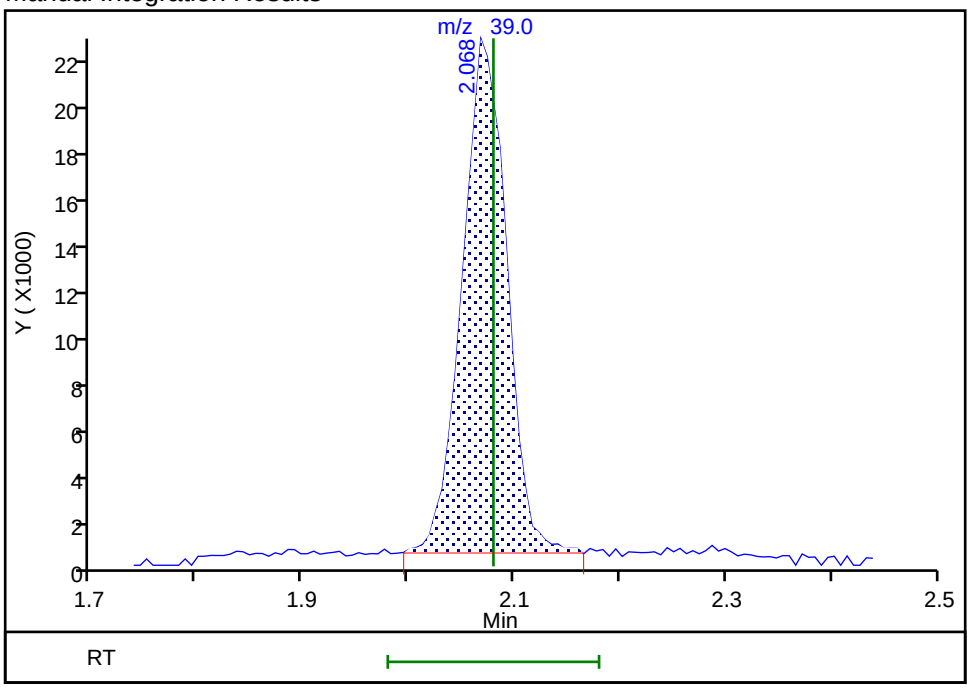
Processing Integration Results

RT: 2.07
Area: 69613
Amount: 10.906933
Amount Units: ug/l



Manual Integration Results

RT: 2.07
Area: 63610
Amount: 10.127279
Amount Units: ug/l



Reviewer: K4WN, 17-Sep-2024 20:17:05 -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

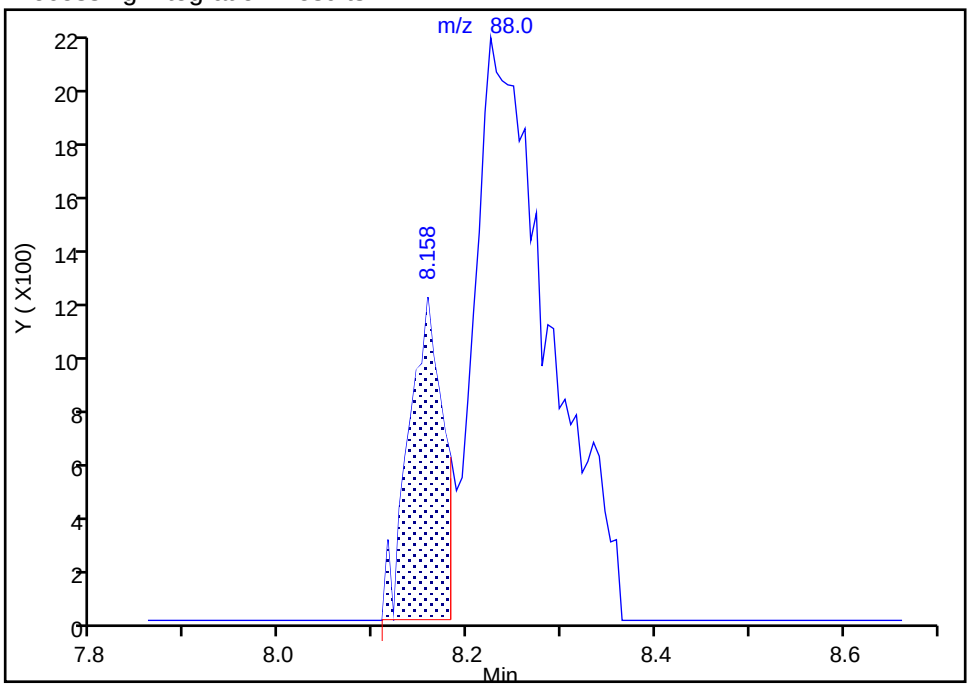
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Injection Date:	17-Sep-2024 16:53:30	Instrument ID:	23297		
Lims ID:	IC v10				
Client ID:					
Operator ID:	jml01693	ALS Bottle#:	6	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

71 1,4-Dioxane, CAS: 123-91-1

Signal: 1

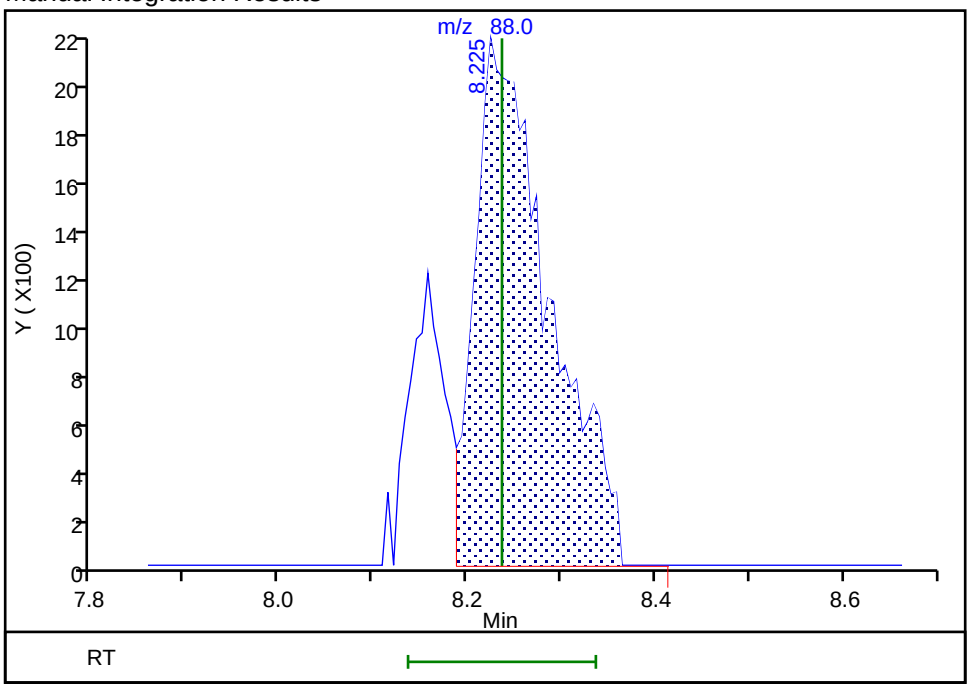
Processing Integration Results

RT: 8.16
Area: 2947
Amount: 87.203604
Amount Units: ug/l



Manual Integration Results

RT: 8.22
Area: 11569
Amount: 135.8929
Amount Units: ug/l



Reviewer: K4WN, 17-Sep-2024 20:10:26 -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\23297\20240917-125144.b\4S17X14.D
Lims ID: IC v20
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 17-Sep-2024 17:16:30 ALS Bottle#: 7 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0125144-015
Misc. Info.: IC v20
Operator ID: jml01693 Instrument ID: 23297
Sublist: chrom-MSVoa_23297*sub48

Method: \\chromfs\Lancaster\ChromData\23297\20240917-125144.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 17-Sep-2024 20:47:48 Calib Date: 17-Sep-2024 18:24:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20240917-125144.b\4S17X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1647

First Level Reviewer: K4WN Date: 17-Sep-2024 20:11:47

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.788	1.794	-0.006	99	122486	20.0	20.0	
4 Chloromethane	50	1.964	1.964	0.000	98	126614	20.0	20.2	
5 Vinyl chloride	62	2.068	2.068	0.000	97	123030	20.0	21.0	
6 Butadiene	39	2.074	2.080	-0.006	93	133037	20.0	20.2	M
8 Bromomethane	94	2.372	2.372	0.000	90	91086	20.0	19.7	
9 Chloroethane	64	2.439	2.445	-0.006	99	64209	20.0	20.5	
10 Dichlorofluoromethane	67	2.664	2.664	0.000	97	192403	20.0	20.7	
11 Trichlorofluoromethane	101	2.731	2.731	0.000	98	149462	20.0	20.5	
12 Pentane	43	2.755	2.755	0.000	96	131571	20.0	19.4	
13 Ethanol	45	2.883	2.853	0.030	90	81763	1000.0	864.5	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.029	3.017	0.012	90	94070	20.0	20.7	
16 Acrolein	56	3.090	3.090	0.000	99	230256	200.4	193.6	
18 1,1-Dichloroethene	96	3.224	3.236	-0.012	97	69984	20.0	20.4	
17 Acetone	58	3.242	3.248	-0.006	98	27118	40.0	39.9	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.254	3.260	-0.006	91	82246	20.0	19.8	
21 Iodomethane	142	3.406	3.406	0.000	97	161253	20.0	20.5	
20 Isopropyl alcohol	45	3.388	3.412	-0.024	54	86042	100.0	118.9	
22 Carbon disulfide	76	3.497	3.497	0.000	99	264913	20.0	20.3	
24 Methyl acetate	43	3.625	3.619	0.006	97	97125	20.0	21.4	
25 3-Chloro-1-propene	41	3.643	3.643	0.000	90	113675	20.0	19.4	
27 Methylene Chloride	84	3.820	3.820	0.000	90	83958	20.0	20.5	
* 28 t-Butyl alcohol-d10 (IS)	65	3.832	3.844	-0.012	93	288495	250.0	250.0	
29 2-Methyl-2-propanol	59	3.960	3.948	0.012	99	120429	100.0	100.9	
30 Acrylonitrile	53	4.118	4.112	0.006	98	122779	50.0	50.7	
31 Methyl tert-butyl ether	73	4.179	4.179	0.000	93	244129	20.0	20.6	
32 trans-1,2-Dichloroethene	96	4.191	4.185	0.006	99	74269	20.0	20.7	
34 Hexane	57	4.617	4.617	0.000	94	93428	20.0	19.4	
36 1,1-Dichloroethane	63	4.848	4.848	0.000	96	124924	20.0	20.8	
37 Isopropyl ether	45	4.921	4.915	0.006	93	227375	20.0	20.2	
38 2-Chloro-1,3-butadiene	53	4.964	4.964	0.000	91	109716	20.0	20.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
39 Tert-butyl ethyl ether	59	5.456	5.462	-0.006	97	230152	20.0	20.2	
40 2-Butanone (MEK)	43	5.675	5.675	0.000	99	151792	40.0	40.0	
41 cis-1,2-Dichloroethene	96	5.700	5.700	0.000	81	85571	20.0	20.3	
42 2,2-Dichloropropane	77	5.712	5.718	-0.006	88	124964	20.0	20.1	
44 Propionitrile	54	5.748	5.754	-0.006	99	119124	100.0	109.6	
46 Methacrylonitrile	67	5.979	5.973	0.006	93	126850	50.0	50.9	
47 Chlorobromomethane	128	6.034	6.034	0.000	90	47744	20.0	20.7	
48 Tetrahydrofuran	71	6.046	6.046	0.000	93	108658	100.0	102.6	
S 49 1,2-Dichloroethene, Total	100				0			41.0	
50 Chloroform	83	6.192	6.186	0.006	93	132745	20.0	20.4	
$ 51 Dibromofluoromethane (Surr)	113	6.405	6.405	0.000	93	186506	50.0	50.5	
52 1,1,1-Trichloroethane	97	6.418	6.424	-0.006	97	125560	20.0	20.2	
53 Cyclohexane	56	6.521	6.521	0.000	91	130250	20.0	19.6	
55 1,1-Dichloropropene	75	6.637	6.637	-0.001	95	100968	20.0	20.5	
54 Carbon tetrachloride	117	6.637	6.637	-0.001	95	110869	20.0	20.6	
56 Isobutyl alcohol	41	6.825	6.819	0.006	93	105021	250.0	250.4	
$ 57 1,2-Dichloroethane-d4 (Surr)	102	6.874	6.868	0.006	100	44966	50.0	51.3	
58 Benzene	78	6.898	6.898	0.000	97	299513	20.0	20.5	
59 1,2-Dichloroethane	62	6.977	6.971	0.006	98	103461	20.0	20.4	
61 Tert-amyl methyl ether	73	7.105	7.105	0.000	98	227956	20.0	20.4	
* 62 Fluorobenzene (IS)	96	7.312	7.312	0.000	99	698989	50.0	50.0	
63 n-Heptane	43	7.342	7.342	0.000	95	95412	20.0	18.7	
64 n-Butanol	56	7.713	7.713	0.000	91	76364	250.0	253.8	
65 Trichloroethene	95	7.805	7.799	0.007	97	80614	20.0	20.7	
68 Methylcyclohexane	83	8.109	8.109	0.000	91	137500	20.0	19.5	
69 1,2-Dichloropropane	63	8.133	8.133	0.000	94	75304	20.0	20.4	
70 2-ethoxy-2-methyl butane	87	8.157	8.157	0.000	93	110840	20.0	20.0	
72 Methyl methacrylate	69	8.236	8.237	-0.001	92	72854	20.0	20.7	
71 1,4-Dioxane	88	8.236	8.237	-0.001	31	19665	250.0	225.3	M
73 Dibromomethane	93	8.243	8.243	0.000	90	56080	20.0	20.7	
75 Dichlorobromomethane	83	8.492	8.486	0.006	99	96521	20.0	20.0	
76 2-Nitropropane	41	8.760	8.760	0.000	99	198514	100.0	101.7	
77 2-Chloroethyl vinyl ether	63	8.863	8.863	0.000	91	40695	20.0	21.1	
78 cis-1,3-Dichloropropene	75	9.052	9.052	0.000	95	120531	20.0	20.1	
79 4-Methyl-2-pentanone (MIBK)	43	9.246	9.246	0.000	97	297537	40.0	40.6	
$ 80 Toluene-d8 (Surr)	98	9.386	9.386	0.000	93	703412	50.0	50.1	
81 Toluene	92	9.465	9.465	0.000	98	188203	20.0	20.5	
82 trans-1,3-Dichloropropene	75	9.745	9.745	0.000	93	110803	20.0	20.2	
83 Ethyl methacrylate	69	9.818	9.818	0.000	90	126449	20.0	20.3	
101 1,1,2-Trichloroethane	97	9.952	9.952	0.000	90	74546	20.0	20.3	
117 Tetrachloroethene	166	10.043	10.043	0.000	96	87798	20.0	20.3	
S 116 1,3-Dichloropropene, Total	100				0			40.3	
121 1,3-Dichloropropane	76	10.122	10.122	0.000	93	112905	20.0	19.9	
123 2-Hexanone	43	10.183	10.183	0.000	97	219344	40.0	40.9	
126 Chlorodibromomethane	129	10.341	10.341	0.000	89	88834	20.0	20.6	
127 Ethylene Dibromide	107	10.451	10.451	0.000	100	81802	20.0	20.4	
* 129 Chlorobenzene-d5 (IS)	117	10.901	10.901	0.000	85	546414	50.0	50.0	
130 1-Chlorohexane	91	10.919	10.919	0.000	98	99189	20.0	19.5	
131 Chlorobenzene	112	10.932	10.932	0.000	97	225241	20.0	20.5	
132 1,1,1,2-Tetrachloroethane	131	11.017	11.017	0.000	95	91139	20.0	20.9	
133 Ethylbenzene	91	11.023	11.023	0.000	98	380118	20.0	20.4	
134 m-Xylene & p-Xylene	106	11.144	11.144	0.000	0	309005	40.0	41.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 135 Xylenes, Total	106				0			61.8	
136 o-Xylene	106	11.479	11.479	0.000	95	160944	20.0	20.4	
138 Styrene	104	11.491	11.491	0.000	95	249032	20.0	20.5	
139 Bromoform	173	11.649	11.649	0.000	98	70123	20.0	19.8	
140 Isopropylbenzene	105	11.783	11.783	0.000	95	384180	20.0	20.9	
142 Cyclohexanone	55	11.856	11.856	0.000	93	164644	500.0	480.3	
$ 143 4-Bromofluorobenzene (Surr)	95	11.929	11.929	0.000	94	266516	50.0	50.2	
144 1,1,2,2-Tetrachloroethane	83	12.033	12.033	0.000	95	142319	20.0	19.9	
145 Bromobenzene	156	12.045	12.045	0.000	89	105876	20.0	20.1	
146 trans-1,4-Dichloro-2-butene	53	12.057	12.057	0.000	90	98074	50.0	50.4	
147 1,2,3-Trichloropropane	110	12.075	12.075	0.000	82	45018	20.0	20.7	
148 N-Propylbenzene	91	12.118	12.118	0.000	98	478040	20.0	20.6	
149 2-Chlorotoluene	126	12.191	12.191	0.000	97	106408	20.0	20.6	
150 1,3,5-Trimethylbenzene	105	12.258	12.258	0.000	94	367841	20.0	20.7	
151 4-Chlorotoluene	126	12.288	12.288	0.000	96	104054	20.0	20.4	
154 tert-Butylbenzene	134	12.501	12.501	0.000	92	71076	20.0	20.3	
156 1,2,4-Trimethylbenzene	105	12.544	12.544	0.000	97	382254	20.0	20.7	
157 sec-Butylbenzene	105	12.665	12.665	0.000	94	473919	20.0	20.7	
158 1,3-Dichlorobenzene	146	12.763	12.763	0.000	98	214070	20.0	20.3	
159 4-Isopropyltoluene	119	12.775	12.775	0.000	97	426477	20.0	20.7	
* 160 1,4-Dichlorobenzene-d4	152	12.817	12.817	0.000	93	347443	50.0	50.0	
161 1,4-Dichlorobenzene	146	12.836	12.836	0.000	96	217331	20.0	20.1	
163 1,2,3-Trimethylbenzene	105	12.848	12.848	0.000	98	405686	20.0	20.5	
164 Benzyl chloride	91	12.915	12.915	0.000	98	296618	20.0	20.1	
165 1,3-Diethylbenzene	119	12.982	12.982	0.000	96	249461	20.0	20.8	
166 p-Diethylbenzene	119	13.055	13.055	0.000	96	266506	20.0	20.4	
167 n-Butylbenzene	92	13.073	13.073	0.000	97	204716	20.0	20.5	
168 1,2-Dichlorobenzene	146	13.097	13.097	0.000	99	225849	20.0	20.6	
169 o-diethylbenzene	119	13.122	13.122	0.000	94	214225	20.0	20.7	
171 1,2-Dibromo-3-Chloropropane	75	13.639	13.639	0.000	90	43178	20.0	20.4	
172 1,3,5-Trichlorobenzene	180	13.773	13.773	0.000	98	181456	20.0	20.6	
173 1,2,4-Trichlorobenzene	180	14.198	14.198	0.000	95	170462	20.0	20.3	
175 Hexachlorobutadiene	225	14.284	14.284	0.000	97	70763	20.0	20.8	
176 Naphthalene	128	14.375	14.375	0.000	97	593338	20.0	20.5	
177 1,2,3-Trichlorobenzene	180	14.521	14.521	0.000	96	160876	20.0	20.1	
178 2-Methylnaphthalene	142	15.117	15.117	0.000	92	244339	20.0	19.7	
S 185 Total Diethylbenzene	1				0			61.9	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_VOC#1_00201	Amount Added:	4.00	Units: uL	
MSV_CCV_VOC#3_00198	Amount Added:	3.20	Units: uL	
MSV_CCV_2CEVE_00193	Amount Added:	4.00	Units: uL	
MSV_CCV_ETOH_00006	Amount Added:	16.00	Units: uL	
MSV_CCV_GASES_00856	Amount Added:	2.00	Units: uL	
MSV_CCV_CYC_00010	Amount Added:	16.00	Units: uL	
MSV_HP04_ISSS_00003	Amount Added:	1.00	Units: uL	Run Reagent

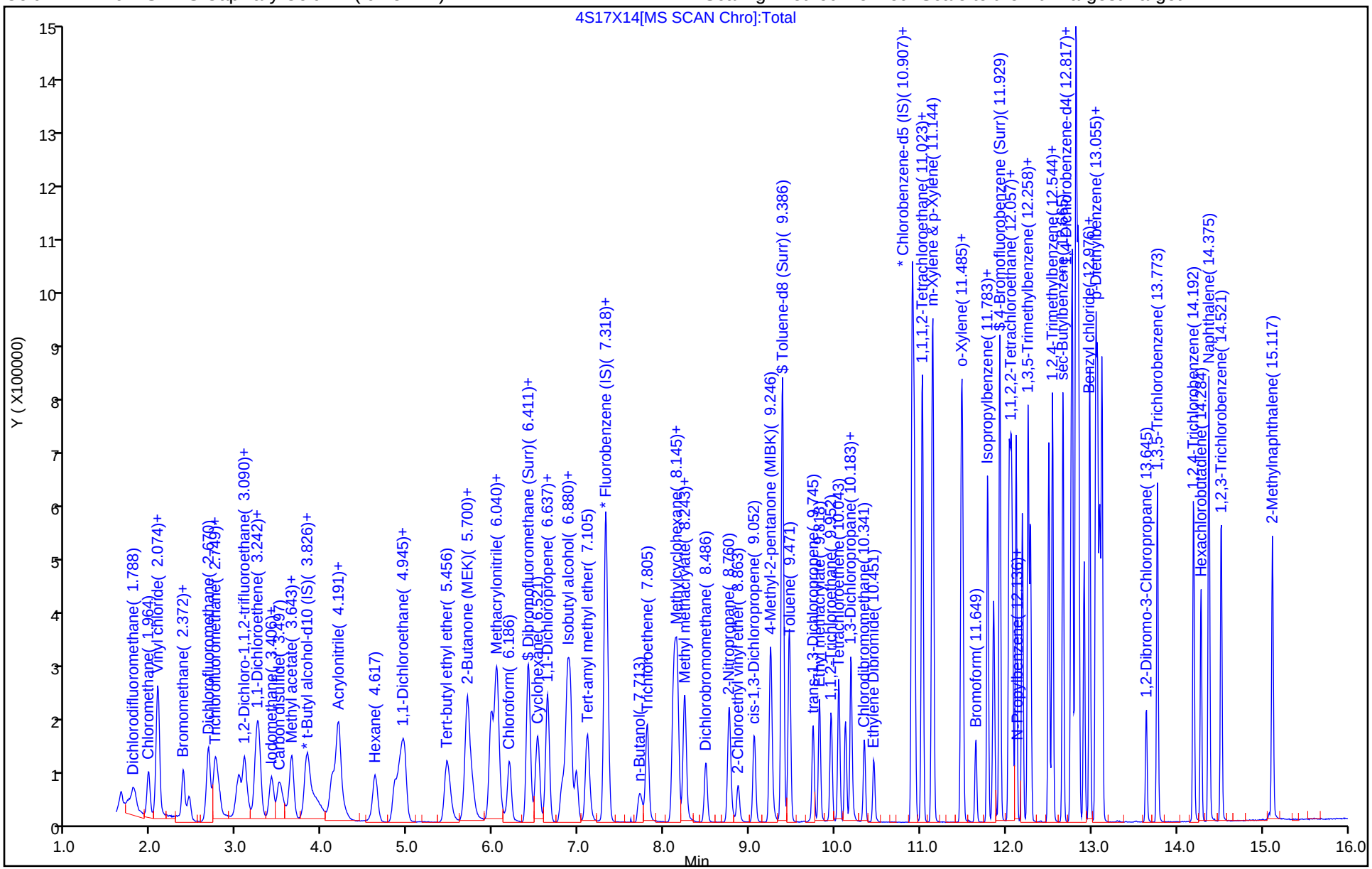
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Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20240917-125144.b\4S17X14.D

Injection Date:	17-Sep-2024 17:16:30	Instrument ID:	23297	Operator ID:	jml01693
Lims ID:	IC v20			Worklist Smp#:	15
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	MSVoa_23297	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

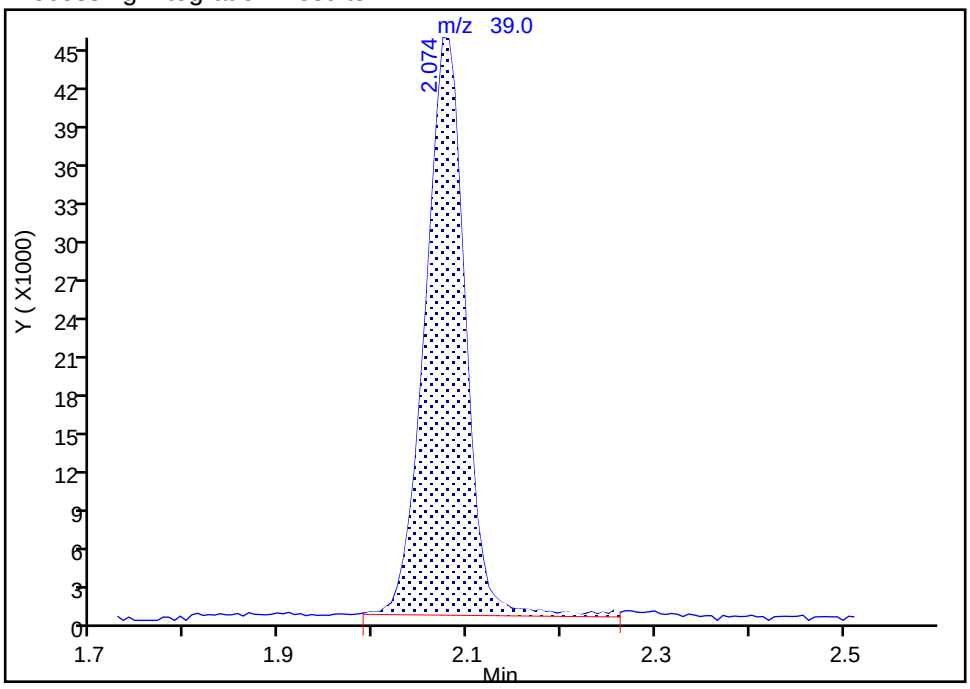
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Injection Date: 17-Sep-2024 17:16:30 Instrument ID: 23297
Lims ID: IC v20
Client ID:
Operator ID: jml01693 ALS Bottle#: 7 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

6 Butadiene, CAS: 106-99-0

Signal: 1

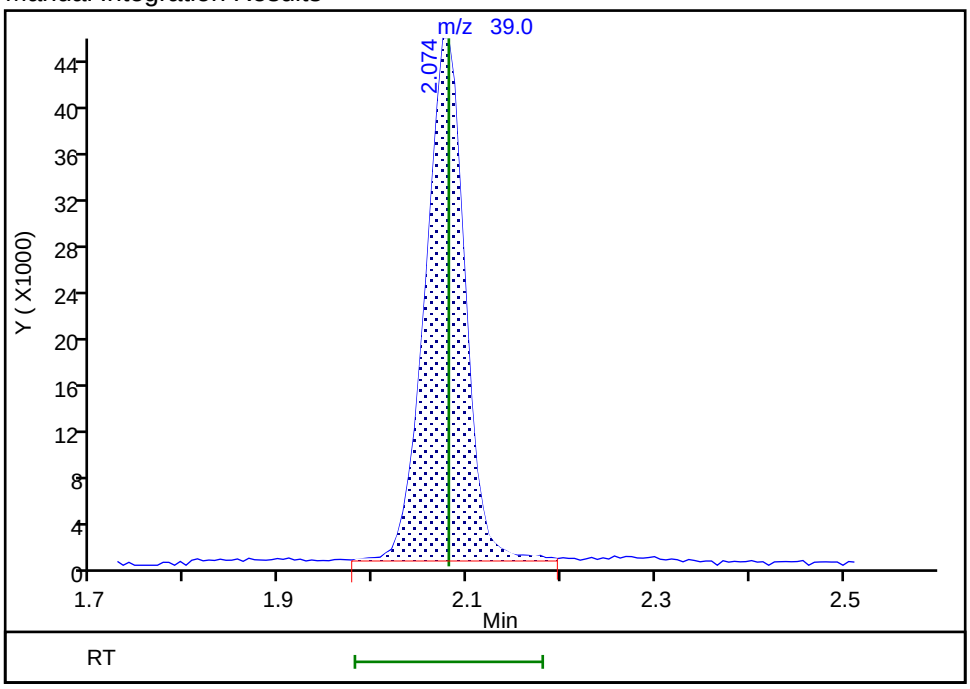
Processing Integration Results

RT: 2.07
Area: 134349
Amount: 20.368913
Amount Units: ug/l



Manual Integration Results

RT: 2.07
Area: 133037
Amount: 20.220227
Amount Units: ug/l



Reviewer: K4WN, 17-Sep-2024 20:17:42 -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

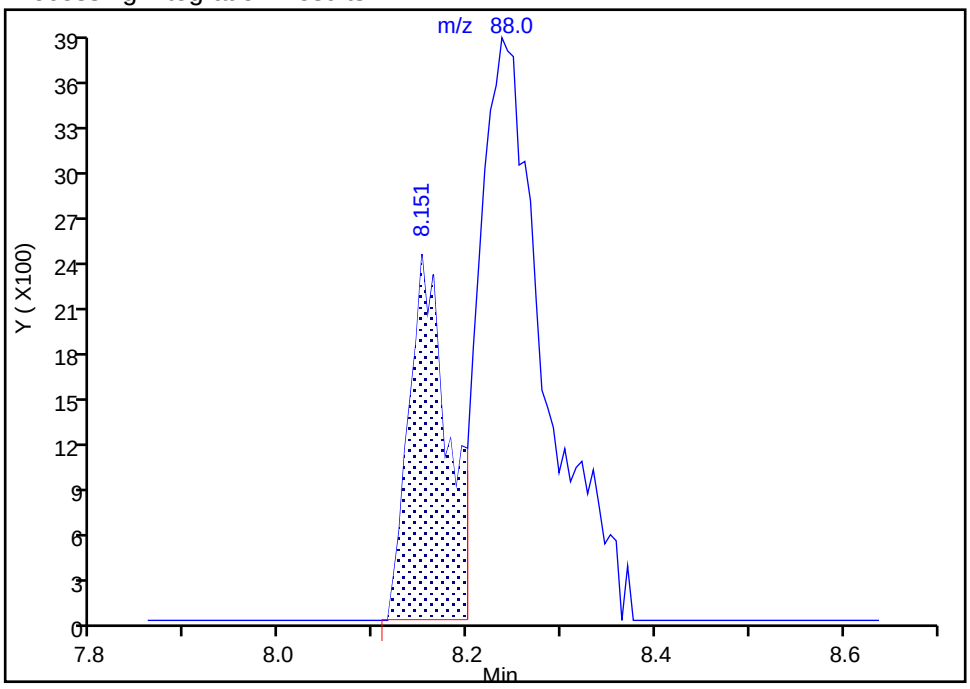
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Injection Date: 17-Sep-2024 17:16:30 Instrument ID: 23297
Lims ID: IC v20
Client ID:
Operator ID: jml01693 ALS Bottle#: 7 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

71 1,4-Dioxane, CAS: 123-91-1

Signal: 1

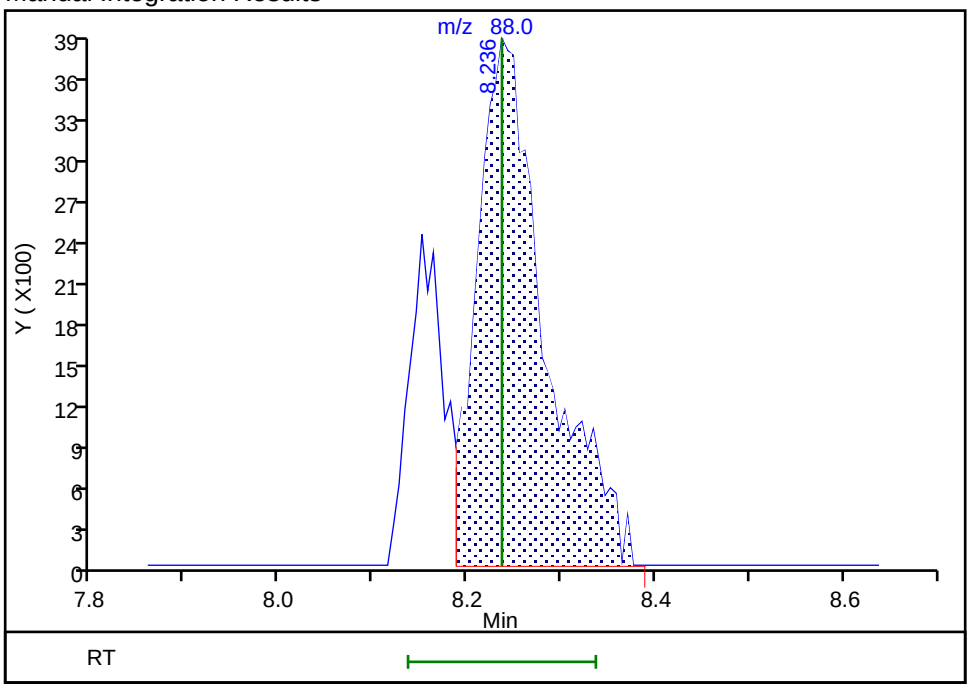
Processing Integration Results

RT: 8.15
Area: 7065
Amount: 152.1345
Amount Units: ug/l



Manual Integration Results

RT: 8.24
Area: 19665
Amount: 225.2772
Amount Units: ug/l



Reviewer: K4WN, 17-Sep-2024 20:11:29 -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\23297\20240917-125144.b\4S17X15.D
Lims ID: ICIS v50
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 17-Sep-2024 17:38:30 ALS Bottle#: 8 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0125144-016
Misc. Info.: ICIS v50
Operator ID: jml01693 Instrument ID: 23297
Sublist: chrom-MSVoa_23297*sub48

Method: \\chromfs\Lancaster\ChromData\23297\20240917-125144.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 17-Sep-2024 20:47:58 Calib Date: 17-Sep-2024 18:24:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20240917-125144.b\4S17X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1647

First Level Reviewer: K4WN Date: 17-Sep-2024 19:59:11

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.794	1.794	0.000	99	302002	50.0	49.9	
4 Chloromethane	50	1.964	1.964	0.000	99	291447	50.0	46.9	
5 Vinyl chloride	62	2.068	2.068	0.000	98	281454	50.0	48.5	
6 Butadiene	39	2.080	2.080	0.000	93	305510	50.0	46.9	M
8 Bromomethane	94	2.372	2.372	0.000	91	212474	50.0	46.3	
9 Chloroethane	64	2.445	2.445	0.000	100	146639	50.0	47.3	
10 Dichlorofluoromethane	67	2.664	2.664	0.000	97	432376	50.0	47.0	
11 Trichlorofluoromethane	101	2.731	2.731	0.000	98	361451	50.0	49.9	
12 Pentane	43	2.755	2.755	0.000	97	319175	50.0	47.5	
13 Ethanol	45	2.853	2.853	0.000	83	117921	1250.0	1279.3	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.017	3.017	0.000	90	217252	50.0	48.2	
16 Acrolein	56	3.090	3.090	0.000	99	557322	501.1	480.8	
18 1,1-Dichloroethene	96	3.236	3.236	0.000	98	165528	50.0	48.6	
17 Acetone	58	3.248	3.248	0.000	98	63949	100.0	96.5	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.260	3.260	0.000	91	211097	50.0	51.4	
21 Iodomethane	142	3.406	3.406	0.000	98	379742	50.0	48.8	
20 Isopropyl alcohol	45	3.412	3.412	0.000	38	194994	250.0	276.5	
22 Carbon disulfide	76	3.497	3.497	0.000	99	631300	50.0	48.8	
24 Methyl acetate	43	3.619	3.619	0.000	97	232443	50.0	51.6	
25 3-Chloro-1-propene	41	3.643	3.643	0.000	89	270259	50.0	46.5	
27 Methylene Chloride	84	3.820	3.820	0.000	90	197145	50.0	48.6	
* 28 t-Butyl alcohol-d10 (IS)	65	3.844	3.844	0.000	72	281156	250.0	250.0	
29 2-Methyl-2-propanol	59	3.948	3.948	0.000	99	286037	250.0	245.8	M
30 Acrylonitrile	53	4.112	4.112	0.000	98	302491	125.0	126.0	
31 Methyl tert-butyl ether	73	4.179	4.179	0.000	95	582375	50.0	49.7	
32 trans-1,2-Dichloroethene	96	4.185	4.185	0.000	99	173903	50.0	48.9	
34 Hexane	57	4.617	4.617	0.000	94	244663	50.0	51.3	
36 1,1-Dichloroethane	63	4.848	4.848	0.000	96	292991	50.0	49.3	
37 Isopropyl ether	45	4.915	4.915	0.000	93	548819	50.0	49.3	
38 2-Chloro-1,3-butadiene	53	4.964	4.964	0.000	91	260120	50.0	49.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
39 Tert-butyl ethyl ether	59	5.462	5.462	0.000	98	559876	50.0	49.7	
40 2-Butanone (MEK)	43	5.675	5.675	0.000	100	343966	100.0	91.5	
41 cis-1,2-Dichloroethene	96	5.700	5.700	0.000	81	203232	50.0	48.6	
42 2,2-Dichloropropane	77	5.718	5.718	0.000	89	297793	50.0	48.3	
44 Propionitrile	54	5.754	5.754	0.000	99	275062	250.0	259.7	
46 Methacrylonitrile	67	5.973	5.973	0.000	93	307083	125.0	124.4	
47 Chlorobromomethane	128	6.034	6.034	0.000	90	113722	50.0	49.7	
48 Tetrahydrofuran	71	6.046	6.046	0.000	92	255960	250.0	248.1	
50 Chloroform	83	6.186	6.186	0.000	93	313160	50.0	48.6	
$ 51 Dibromofluoromethane (Surr)	113	6.405	6.405	0.000	93	183004	50.0	50.0	
52 1,1,1-Trichloroethane	97	6.424	6.424	0.000	98	298727	50.0	48.6	
53 Cyclohexane	56	6.521	6.521	0.000	91	330218	50.0	50.3	
55 1,1-Dichloropropene	75	6.637	6.637	0.000	96	242172	50.0	49.5	
54 Carbon tetrachloride	117	6.637	6.637	0.000	96	268005	50.0	50.3	
56 Isobutyl alcohol	41	6.819	6.819	0.000	94	244894	625.0	599.1	
$ 57 1,2-Dichloroethane-d4 (Surr)	102	6.868	6.868	0.000	100	43754	50.0	50.4	
58 Benzene	78	6.898	6.898	0.000	96	713970	50.0	49.3	
59 1,2-Dichloroethane	62	6.971	6.971	0.000	98	251274	50.0	50.0	
61 Tert-amyl methyl ether	73	7.105	7.105	0.000	98	555931	50.0	50.2	
* 62 Fluorobenzene (IS)	96	7.312	7.312	0.000	99	692719	50.0	50.0	
63 n-Heptane	43	7.342	7.342	0.000	93	245176	50.0	48.5	
64 n-Butanol	56	7.713	7.713	0.000	90	197454	625.0	673.4	
65 Trichloroethene	95	7.799	7.799	0.000	97	191813	50.0	49.7	
68 Methylcyclohexane	83	8.109	8.109	0.000	92	355181	50.0	50.8	
69 1,2-Dichloropropane	63	8.133	8.133	0.000	94	179408	50.0	49.1	
70 2-ethoxy-2-methyl butane	87	8.157	8.157	0.000	92	280584	50.0	51.0	
72 Methyl methacrylate	69	8.237	8.237	0.000	93	174404	50.0	49.9	
71 1,4-Dioxane	88	8.237	8.237	0.000	30	52846	625.0	621.2	M
73 Dibromomethane	93	8.243	8.243	0.000	93	135037	50.0	50.2	
75 Dichlorobromomethane	83	8.486	8.486	0.000	99	237846	50.0	49.7	
76 2-Nitropropane	41	8.760	8.760	0.000	98	472036	250.0	248.0	
77 2-Chloroethyl vinyl ether	63	8.863	8.863	0.000	93	101776	50.0	53.3	
78 cis-1,3-Dichloropropene	75	9.052	9.052	0.000	96	298293	50.0	50.2	
79 4-Methyl-2-pentanone (MIBK)	43	9.246	9.246	0.000	97	696436	100.0	95.9	
$ 80 Toluene-d8 (Surr)	98	9.386	9.386	0.000	93	702552	50.0	49.6	
81 Toluene	92	9.465	9.465	0.000	98	458276	50.0	49.6	
82 trans-1,3-Dichloropropene	75	9.745	9.745	0.000	93	277535	50.0	50.3	
83 Ethyl methacrylate	69	9.818	9.818	0.000	90	309548	50.0	49.3	
101 1,1,2-Trichloroethane	97	9.952	9.952	0.000	89	183513	50.0	49.6	
117 Tetrachloroethene	166	10.043	10.043	0.000	97	217780	50.0	49.8	
121 1,3-Dichloropropane	76	10.122	10.122	0.000	92	282948	50.0	49.3	
123 2-Hexanone	43	10.183	10.183	0.000	96	507535	100.0	93.9	
126 Chlorodibromomethane	129	10.341	10.341	0.000	89	219516	50.0	50.4	
127 Ethylene Dibromide	107	10.451	10.451	0.000	98	205389	50.0	50.9	
* 129 Chlorobenzene-d5 (IS)	117	10.901	10.901	0.000	84	551305	50.0	50.0	
130 1-Chlorohexane	91	10.919	10.919	0.000	97	243298	50.0	47.5	
131 Chlorobenzene	112	10.932	10.932	0.000	98	544430	50.0	49.2	
132 1,1,1,2-Tetrachloroethane	131	11.017	11.017	0.000	96	221149	50.0	50.3	
133 Ethylbenzene	91	11.023	11.023	0.000	98	926860	50.0	49.4	
134 m-Xylene & p-Xylene	106	11.144	11.144	0.000	0	749018	100.0	99.5	
136 o-Xylene	106	11.479	11.479	0.000	96	390849	50.0	49.1	
138 Styrene	104	11.491	11.491	0.000	95	612383	50.0	50.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
139 Bromoform	173	11.649	11.649	0.000	98	178404	50.0	49.9	
140 Isopropylbenzene	105	11.783	11.783	0.000	95	934184	50.0	50.4	
142 Cyclohexanone	55	11.856	11.856	0.000	93	212928	625.0	637.4	
$ 143 4-Bromofluorobenzene (Surr)	95	11.929	11.929	0.000	93	268175	50.0	50.1	
144 1,1,2,2-Tetrachloroethane	83	12.033	12.033	0.000	95	350012	50.0	49.1	
145 Bromobenzene	156	12.045	12.045	0.000	95	261919	50.0	49.7	
146 trans-1,4-Dichloro-2-butene	53	12.057	12.057	0.000	90	244885	125.0	126.0	
147 1,2,3-Trichloropropane	110	12.075	12.075	0.000	82	106754	50.0	49.2	
148 N-Propylbenzene	91	12.118	12.118	0.000	98	1152198	50.0	49.6	
149 2-Chlorotoluene	126	12.191	12.191	0.000	98	258586	50.0	50.1	
150 1,3,5-Trimethylbenzene	105	12.258	12.258	0.000	94	906816	50.0	51.0	
151 4-Chlorotoluene	126	12.288	12.288	0.000	96	253112	50.0	49.6	
154 tert-Butylbenzene	134	12.501	12.501	0.000	92	180097	50.0	51.4	
156 1,2,4-Trimethylbenzene	105	12.544	12.544	0.000	97	938735	50.0	50.8	
157 sec-Butylbenzene	105	12.665	12.665	0.000	94	1170322	50.0	51.2	
158 1,3-Dichlorobenzene	146	12.763	12.763	0.000	98	518616	50.0	49.1	
159 4-Isopropyltoluene	119	12.775	12.775	0.000	97	1051812	50.0	51.1	
* 160 1,4-Dichlorobenzene-d4	152	12.817	12.817	0.000	93	347176	50.0	50.0	
161 1,4-Dichlorobenzene	146	12.836	12.836	0.000	96	532612	50.0	49.4	
163 1,2,3-Trimethylbenzene	105	12.848	12.848	0.000	98	994107	50.0	50.3	
164 Benzyl chloride	91	12.915	12.915	0.000	98	754116	50.0	51.1	
165 1,3-Diethylbenzene	119	12.982	12.982	0.000	96	613535	50.0	51.2	
166 p-Diethylbenzene	119	13.055	13.055	0.000	94	655749	50.0	50.3	
167 n-Butylbenzene	92	13.073	13.073	0.000	97	503201	50.0	50.5	
168 1,2-Dichlorobenzene	146	13.097	13.097	0.000	99	545563	50.0	49.8	
169 o-diethylbenzene	119	13.122	13.122	0.000	94	527793	50.0	51.0	
171 1,2-Dibromo-3-Chloropropane	75	13.639	13.639	0.000	90	105332	50.0	49.8	
172 1,3,5-Trichlorobenzene	180	13.773	13.773	0.000	98	448305	50.0	50.9	
173 1,2,4-Trichlorobenzene	180	14.198	14.198	0.000	95	430926	50.0	51.3	
175 Hexachlorobutadiene	225	14.284	14.284	0.000	98	177072	50.0	52.0	
176 Naphthalene	128	14.375	14.375	0.000	97	1483119	50.0	51.3	
177 1,2,3-Trichlorobenzene	180	14.521	14.521	0.000	96	416884	50.0	52.0	
178 2-Methylnaphthalene	142	15.117	15.117	0.000	92	668983	50.0	53.9	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_VOC#1_00201	Amount Added: 5.00	Units: uL	
MSV_CCV_VOC#3_00198	Amount Added: 4.00	Units: uL	
MSV_CCV_2CEVE_00193	Amount Added: 5.00	Units: uL	
MSV_CCV_ETOH_00006	Amount Added: 10.00	Units: uL	
MSV_CCV_GASES_00856	Amount Added: 2.50	Units: uL	
MSV_CCV_CYC_00010	Amount Added: 10.00	Units: uL	
MSV_HP04_ISSS_00003	Amount Added: 1.00	Units: uL	Run Reagent

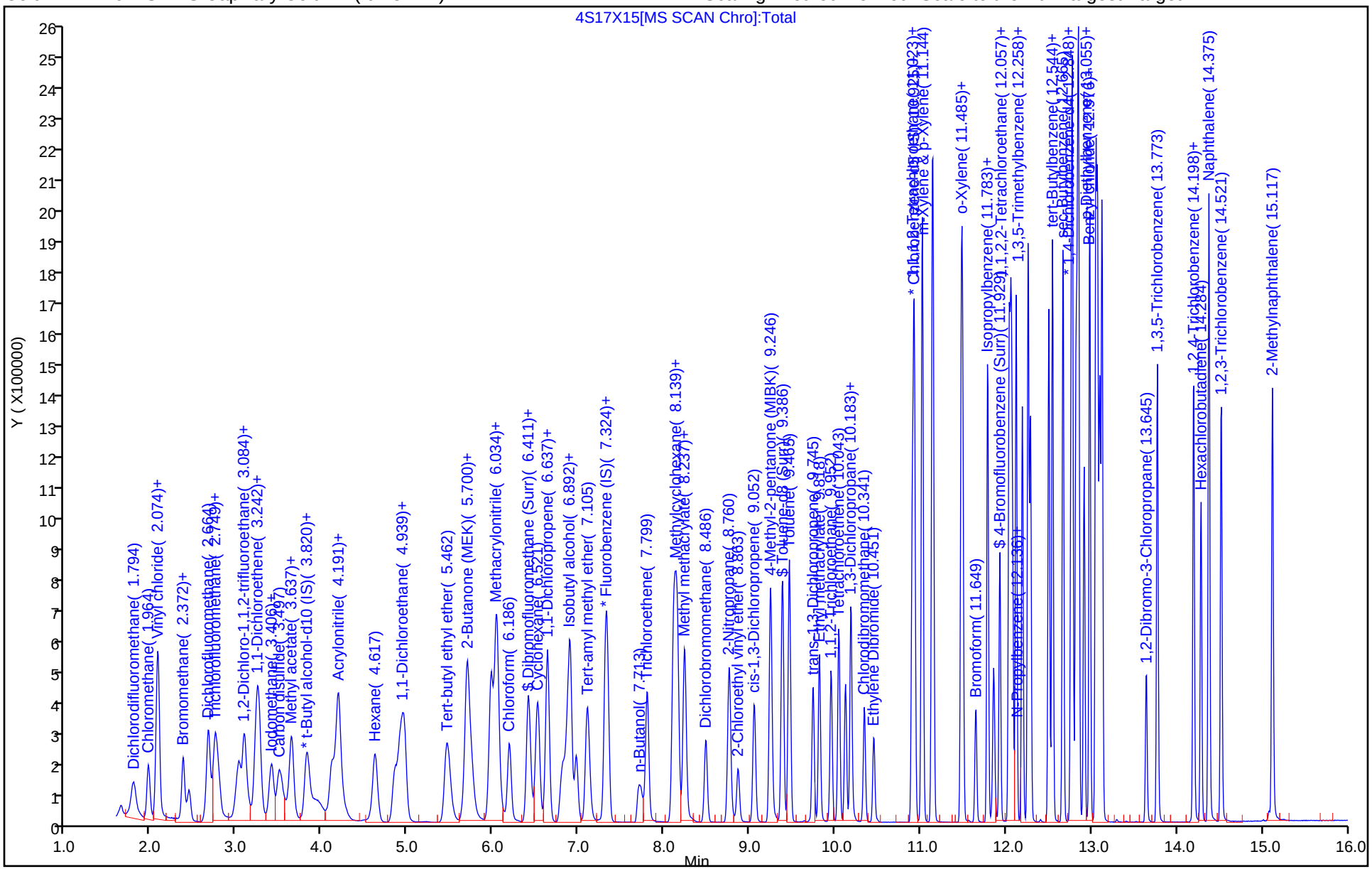
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Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20240917-125144.b\4S17X15.D

Injection Date:	17-Sep-2024 17:38:30	Instrument ID:	23297	Operator ID:	jml01693
Lims ID:	ICIS v50			Worklist Smp#:	16
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	MSVoa_23297	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

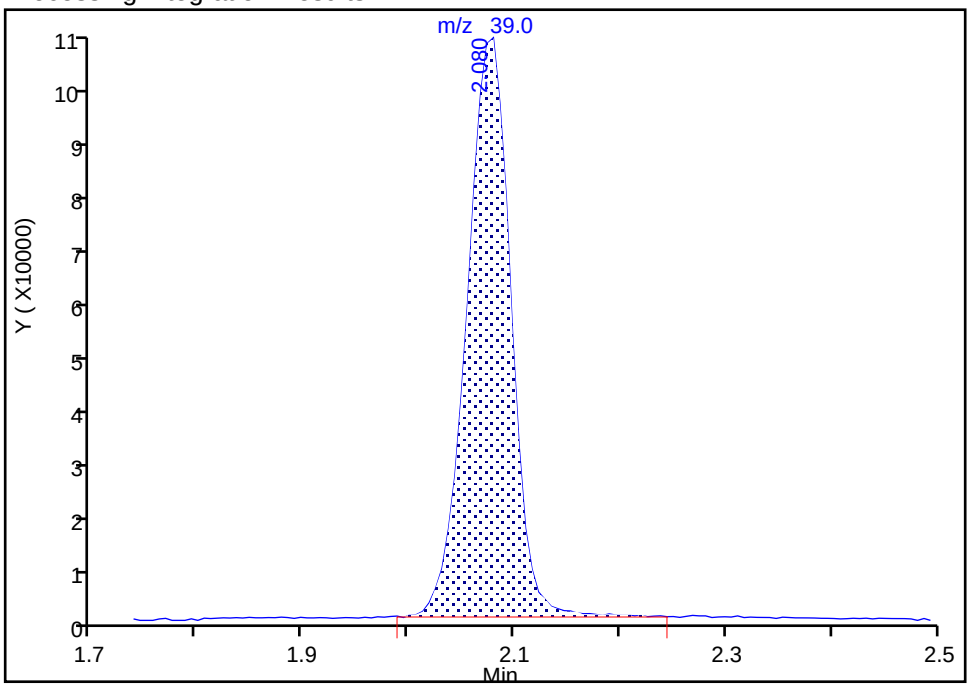
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Injection Date: 17-Sep-2024 17:38:30 Instrument ID: 23297
Lims ID: ICIS v50
Client ID:
Operator ID: jml01693 ALS Bottle#: 8 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

6 Butadiene, CAS: 106-99-0

Signal: 1

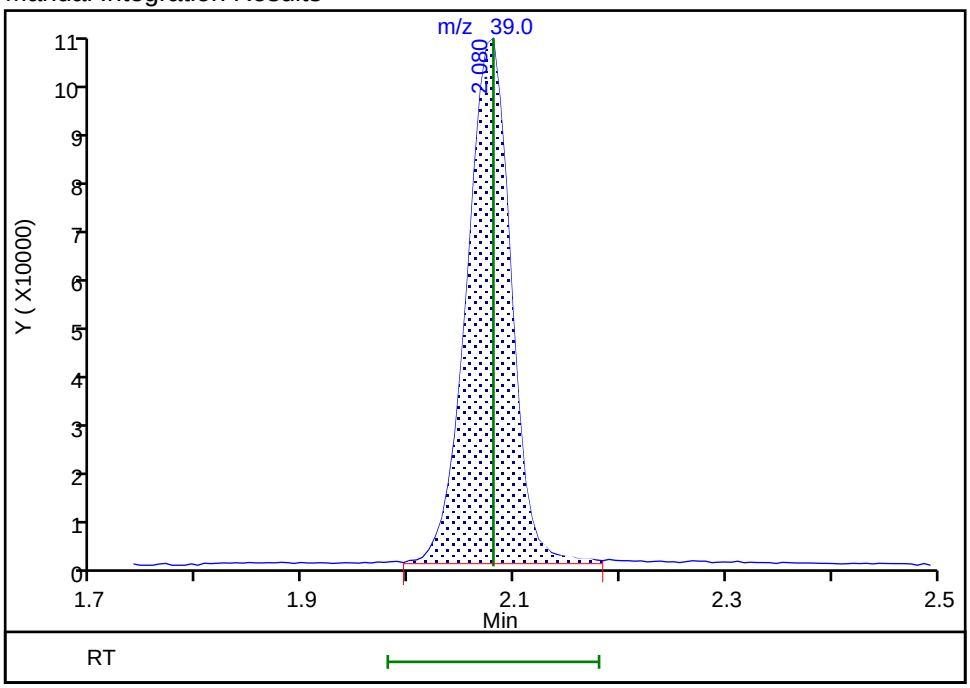
Processing Integration Results

RT: 2.08
Area: 305460
Amount: 46.797052
Amount Units: ug/l



Manual Integration Results

RT: 2.08
Area: 305510
Amount: 46.854603
Amount Units: ug/l



Reviewer: K4WN, 17-Sep-2024 20:18:04 -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

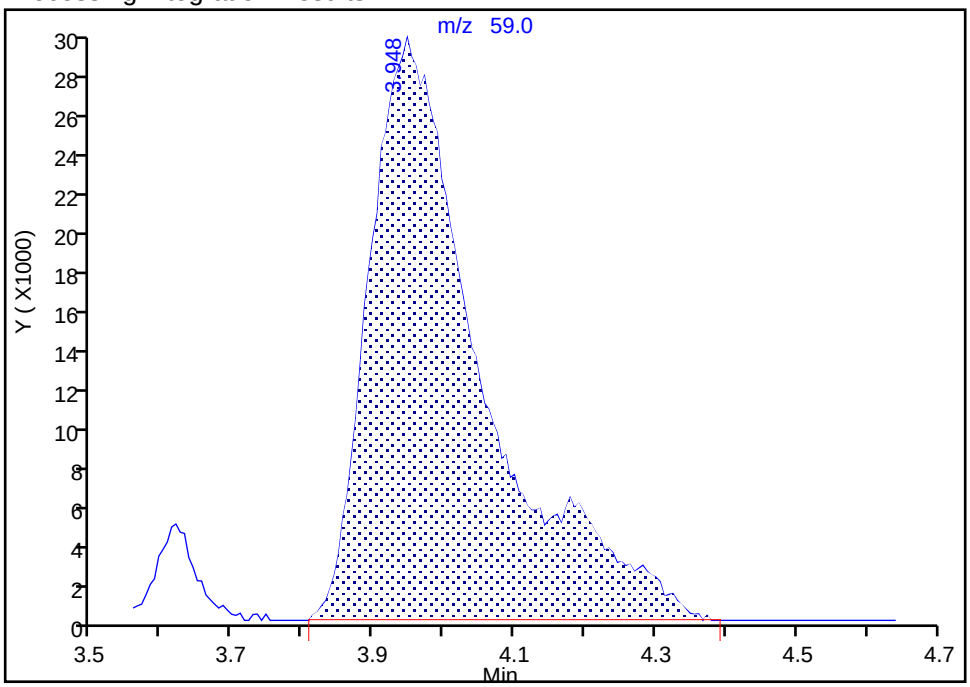
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Injection Date: 17-Sep-2024 17:38:30 Instrument ID: 23297
Lims ID: ICIS v50
Client ID:
Operator ID: jml01693 ALS Bottle#: 8 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

29 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

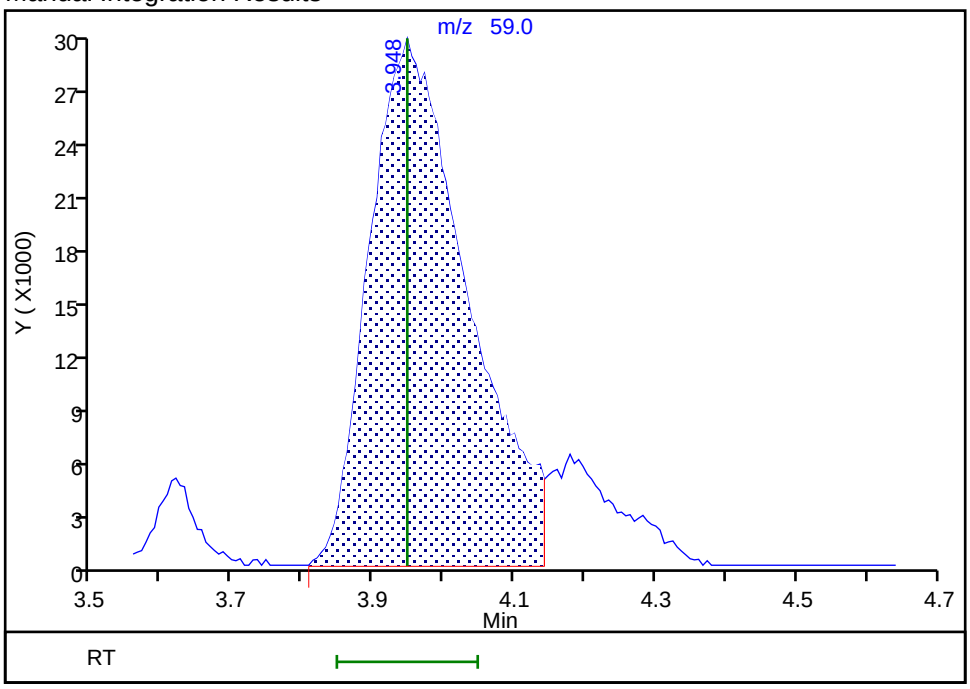
Processing Integration Results

RT: 3.95
Area: 327767
Amount: 265.0615
Amount Units: ug/l



Manual Integration Results

RT: 3.95
Area: 286037
Amount: 245.8110
Amount Units: ug/l



Reviewer: K4WN, 17-Sep-2024 20:12:10 -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

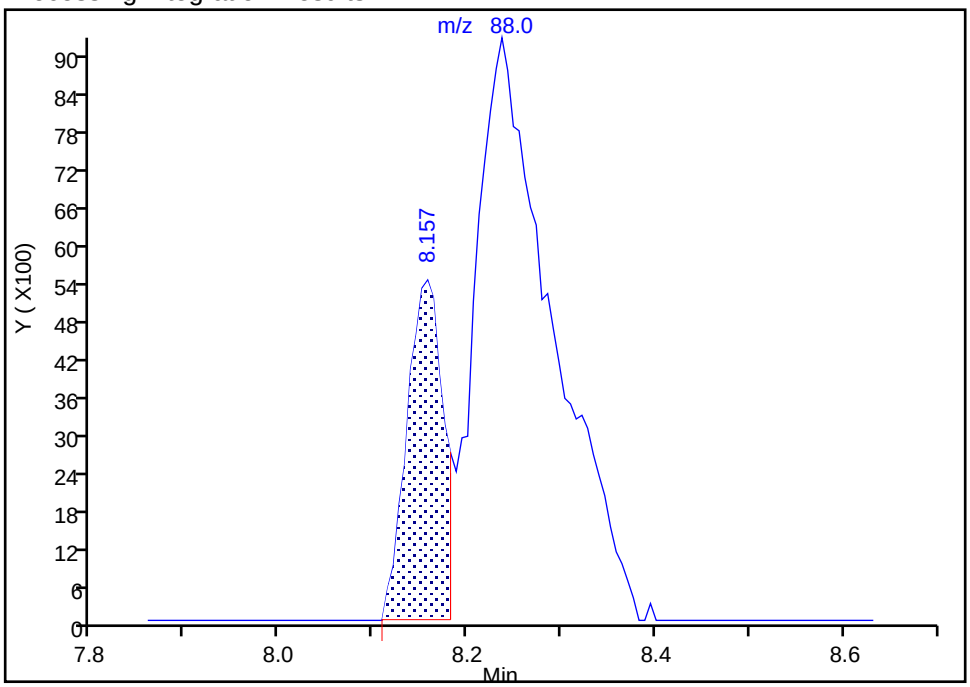
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Injection Date: 17-Sep-2024 17:38:30 Instrument ID: 23297
Lims ID: ICIS v50
Client ID:
Operator ID: jml01693 ALS Bottle#: 8 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

71 1,4-Dioxane, CAS: 123-91-1

Signal: 1

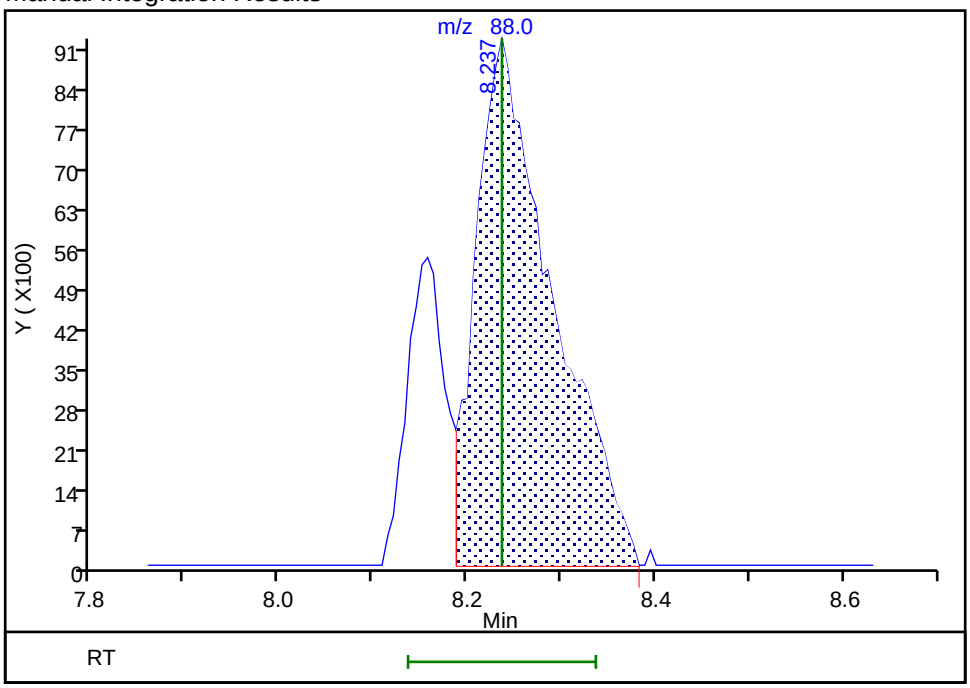
RT: 8.16
Area: 14584
Amount: 272.8832
Amount Units: ug/l

Processing Integration Results



RT: 8.24
Area: 52846
Amount: 621.1928
Amount Units: ug/l

Manual Integration Results



Reviewer: K4WN, 17-Sep-2024 20:12:26 -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\23297\20240917-125144.b\4S17X16.D
Lims ID: IC v100
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 17-Sep-2024 18:01:30 ALS Bottle#: 9 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0125144-017
Misc. Info.: IC v100
Operator ID: jml01693 Instrument ID: 23297
Sublist: chrom-MSVoa_23297*sub48

Method: \\chromfs\Lancaster\ChromData\23297\20240917-125144.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 17-Sep-2024 20:48:20 Calib Date: 17-Sep-2024 18:24:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20240917-125144.b\4S17X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1647

First Level Reviewer: K4WN Date: 17-Sep-2024 20:13:39

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.782	1.794	-0.012	99	629381	100.0	103.7	
4 Chloromethane	50	1.958	1.964	-0.006	99	610699	100.0	98.1	
5 Vinyl chloride	62	2.062	2.068	-0.006	98	589936	100.0	101.6	
6 Butadiene	39	2.068	2.080	-0.012	94	636727	100.0	97.5	M
8 Bromomethane	94	2.366	2.372	-0.006	90	435677	100.0	94.8	
9 Chloroethane	64	2.433	2.445	-0.012	100	307178	100.0	98.9	
10 Dichlorofluoromethane	67	2.658	2.664	-0.006	97	908182	100.0	98.5	
11 Trichlorofluoromethane	101	2.725	2.731	-0.006	98	756298	100.0	104.3	
12 Pentane	43	2.749	2.755	-0.006	97	638314	100.0	94.9	
13 Ethanol	45	2.895	2.853	0.042	92	241698	2500.1	2662.5	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.017	3.017	0.000	90	451379	100.0	100.0	
16 Acrolein	56	3.078	3.090	-0.012	99	1218160	1002.1	1067.1	
18 1,1-Dichloroethene	96	3.224	3.236	-0.012	98	341632	100.0	100.2	
17 Acetone	58	3.236	3.248	-0.012	99	136331	200.0	208.8	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.254	3.260	-0.006	92	435331	100.0	105.8	
21 Iodomethane	142	3.400	3.406	-0.006	98	779636	100.0	100.1	
20 Isopropyl alcohol	45	3.400	3.412	-0.012	97	372643	500.0	536.5	
22 Carbon disulfide	76	3.498	3.497	0.001	99	1314808	100.0	101.4	
24 Methyl acetate	43	3.607	3.619	-0.012	98	459444	100.0	101.8	
25 3-Chloro-1-propene	41	3.637	3.643	-0.006	90	543893	100.0	93.4	
27 Methylene Chloride	84	3.814	3.820	-0.006	91	399125	100.0	98.2	
* 28 t-Butyl alcohol-d10 (IS)	65	3.832	3.844	-0.012	93	276892	250.0	250.0	
29 2-Methyl-2-propanol	59	3.942	3.948	-0.006	100	589500	500.0	514.4	M
30 Acrylonitrile	53	4.100	4.112	-0.012	97	604497	250.0	251.3	
31 Methyl tert-butyl ether	73	4.179	4.179	0.000	91	1162247	100.0	99.0	
32 trans-1,2-Dichloroethene	96	4.185	4.185	0.000	99	351530	100.0	98.8	
34 Hexane	57	4.611	4.617	-0.006	93	496804	100.0	103.9	
36 1,1-Dichloroethane	63	4.836	4.848	-0.012	96	591374	100.0	99.3	
37 Isopropyl ether	45	4.915	4.915	0.000	93	1110588	100.0	99.6	
38 2-Chloro-1,3-butadiene	53	4.958	4.964	-0.006	91	529925	100.0	100.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
39 Tert-butyl ethyl ether	59	5.463	5.462	0.001	97	1131205	100.0	100.2	
40 2-Butanone (MEK)	43	5.669	5.675	-0.006	100	717971	200.0	190.7	
41 cis-1,2-Dichloroethene	96	5.694	5.700	-0.006	81	408903	100.0	97.7	
42 2,2-Dichloropropane	77	5.712	5.718	-0.006	90	608490	100.0	98.5	
44 Propionitrile	54	5.748	5.754	-0.006	99	563949	500.0	540.6	
46 Methacrylonitrile	67	5.974	5.973	0.001	93	620013	250.0	250.8	
47 Chlorobromomethane	128	6.028	6.034	-0.006	89	227768	100.0	99.4	
48 Tetrahydrofuran	71	6.040	6.046	-0.006	92	516822	500.0	508.6	
S 49 1,2-Dichloroethene, Total	100				0			196.5	
50 Chloroform	83	6.186	6.186	0.000	93	630472	100.0	97.7	
$ 51 Dibromofluoromethane (Surr)	113	6.405	6.405	0.000	93	179188	50.0	48.9	
52 1,1,1-Trichloroethane	97	6.418	6.424	-0.006	98	615570	100.0	100.0	
53 Cyclohexane	56	6.515	6.521	-0.006	91	689312	100.0	104.8	
55 1,1-Dichloropropene	75	6.631	6.637	-0.006	95	496795	100.0	101.4	
54 Carbon tetrachloride	117	6.631	6.637	-0.006	96	550742	100.0	103.2	
56 Isobutyl alcohol	41	6.807	6.819	-0.012	94	514297	1250.0	1277.4	
$ 57 1,2-Dichloroethane-d4 (Surr)	102	6.862	6.868	-0.006	100	41803	50.0	48.1	
58 Benzene	78	6.898	6.898	0.000	96	1452269	100.0	100.2	
59 1,2-Dichloroethane	62	6.971	6.971	0.000	98	502595	100.0	99.9	
61 Tert-amyl methyl ether	73	7.099	7.105	-0.006	98	1112982	100.0	100.3	
* 62 Fluorobenzene (IS)	96	7.312	7.312	0.000	99	693808	50.0	50.0	
63 n-Heptane	43	7.336	7.342	-0.006	94	497691	100.0	98.4	
64 n-Butanol	56	7.713	7.713	0.000	91	420909	1250.0	1457.6	
65 Trichloroethene	95	7.799	7.799	0.001	96	394652	100.0	102.0	
68 Methylcyclohexane	83	8.109	8.109	0.000	92	732881	100.0	104.6	
69 1,2-Dichloropropane	63	8.133	8.133	0.000	96	371832	100.0	101.7	
70 2-ethoxy-2-methyl butane	87	8.158	8.157	0.001	92	570304	100.0	103.5	
72 Methyl methacrylate	69	8.237	8.237	0.000	92	368826	100.0	105.3	
71 1,4-Dioxane	88	8.237	8.237	0.000	29	113887	1250.0	1359.3	M
73 Dibromomethane	93	8.243	8.243	0.000	94	273239	100.0	101.5	
75 Dichlorobromomethane	83	8.486	8.486	0.000	99	496218	100.0	103.6	
76 2-Nitropropane	41	8.760	8.760	0.000	98	966123	500.0	515.5	
77 2-Chloroethyl vinyl ether	63	8.863	8.863	0.000	92	219846	100.0	115.0	
78 cis-1,3-Dichloropropene	75	9.052	9.052	0.000	96	624766	100.0	104.9	
79 4-Methyl-2-pentanone (MIBK)	43	9.247	9.246	0.000	97	1452589	200.0	199.6	
$ 80 Toluene-d8 (Surr)	98	9.386	9.386	0.000	93	714936	50.0	49.6	
81 Toluene	92	9.466	9.465	0.001	98	952080	100.0	101.2	
82 trans-1,3-Dichloropropene	75	9.745	9.745	0.000	93	582490	100.0	103.6	
83 Ethyl methacrylate	69	9.818	9.818	0.000	90	640131	100.0	100.1	
101 1,1,2-Trichloroethane	97	9.952	9.952	0.000	90	374183	100.0	99.4	
117 Tetrachloroethene	166	10.043	10.043	0.000	97	449748	100.0	101.1	
S 116 1,3-Dichloropropene, Total	100				0			208.5	
121 1,3-Dichloropropane	76	10.123	10.122	0.001	92	585065	100.0	100.2	
123 2-Hexanone	43	10.183	10.183	0.000	96	1062846	200.0	193.1	
126 Chlorodibromomethane	129	10.342	10.341	0.001	89	463073	100.0	104.4	
127 Ethylene Dibromide	107	10.451	10.451	0.000	99	421364	100.0	102.5	
* 129 Chlorobenzene-d5 (IS)	117	10.901	10.901	0.000	84	561233	50.0	50.0	
130 1-Chlorohexane	91	10.919	10.919	0.000	98	509386	100.0	97.6	
131 Chlorobenzene	112	10.932	10.932	0.000	96	1137585	100.0	101.0	
132 1,1,1,2-Tetrachloroethane	131	11.017	11.017	0.000	97	455053	100.0	101.7	
133 Ethylbenzene	91	11.023	11.023	0.000	98	1915562	100.0	100.2	
134 m-Xylene & p-Xylene	106	11.145	11.144	0.001	0	1549140	200.0	202.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 135 Xylenes, Total	106				0			302.3	
136 o-Xylene	106	11.479	11.479	0.000	96	812286	100.0	100.2	
138 Styrene	104	11.491	11.491	0.000	94	1278860	100.0	102.7	
139 Bromoform	173	11.643	11.649	-0.006	98	376322	100.0	103.5	
140 Isopropylbenzene	105	11.783	11.783	0.000	95	1928054	100.0	102.1	
142 Cyclohexanone	55	11.856	11.856	0.000	93	465019	1250.0	1413.4	
$ 143 4-Bromofluorobenzene (Surr)	95	11.929	11.929	0.000	93	268447	50.0	49.3	
144 1,1,2,2-Tetrachloroethane	83	12.033	12.033	0.000	95	727523	100.0	101.9	
145 Bromobenzene	156	12.045	12.045	0.000	97	536008	100.0	101.5	
146 trans-1,4-Dichloro-2-butene	53	12.057	12.057	0.000	89	501647	250.0	257.8	
147 1,2,3-Trichloropropane	110	12.075	12.075	0.000	82	219829	100.0	101.1	
148 N-Propylbenzene	91	12.118	12.118	0.000	98	2399654	100.0	103.1	
149 2-Chlorotoluene	126	12.191	12.191	0.000	98	532920	100.0	103.1	
150 1,3,5-Trimethylbenzene	105	12.258	12.258	0.000	94	1866643	100.0	104.9	
151 4-Chlorotoluene	126	12.288	12.288	0.000	96	522253	100.0	102.3	
154 tert-Butylbenzene	134	12.501	12.501	0.000	92	376099	100.0	107.3	
156 1,2,4-Trimethylbenzene	105	12.544	12.544	0.000	97	1933436	100.0	104.4	
157 sec-Butylbenzene	105	12.665	12.665	0.000	94	2407497	100.0	105.1	
158 1,3-Dichlorobenzene	146	12.763	12.763	0.000	99	1069545	100.0	101.1	
159 4-Isopropyltoluene	119	12.775	12.775	0.000	97	2177055	100.0	105.6	
* 160 1,4-Dichlorobenzene-d4	152	12.818	12.817	0.001	93	347645	50.0	50.0	
161 1,4-Dichlorobenzene	146	12.836	12.836	0.000	95	1086440	100.0	100.6	
163 1,2,3-Trimethylbenzene	105	12.848	12.848	0.000	98	2067519	100.0	104.5	
164 Benzyl chloride	91	12.915	12.915	0.000	98	1545648	100.0	104.6	
165 1,3-Diethylbenzene	119	12.982	12.982	0.000	96	1257270	100.0	104.7	
166 p-Diethylbenzene	119	13.049	13.055	-0.006	94	1345748	100.0	103.1	
167 n-Butylbenzene	92	13.073	13.073	0.000	96	1035617	100.0	103.8	
168 1,2-Dichlorobenzene	146	13.097	13.097	0.000	99	1110473	100.0	101.2	
169 o-diethylbenzene	119	13.122	13.122	0.000	94	1091237	100.0	105.4	
171 1,2-Dibromo-3-Chloropropane	75	13.639	13.639	0.000	90	216334	100.0	102.1	
172 1,3,5-Trichlorobenzene	180	13.773	13.773	0.000	98	905487	100.0	102.7	
173 1,2,4-Trichlorobenzene	180	14.192	14.198	-0.006	95	859987	100.0	102.3	
175 Hexachlorobutadiene	225	14.284	14.284	0.000	98	353018	100.0	103.5	
176 Naphthalene	128	14.375	14.375	0.000	97	2984985	100.0	103.1	
177 1,2,3-Trichlorobenzene	180	14.521	14.521	0.000	96	827422	100.0	103.1	
178 2-Methylnaphthalene	142	15.117	15.117	0.000	92	1372283	100.0	110.5	
S 185 Total Diethylbenzene	1				0			313.2	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_VOC#1_00201	Amount Added:	5.00	Units: uL	
MSV_CCV_VOC#3_00198	Amount Added:	4.00	Units: uL	
MSV_CCV_2CEVE_00193	Amount Added:	5.00	Units: uL	
MSV_CCV_ETOH_00006	Amount Added:	10.00	Units: uL	
MSV_CCV_GASES_00856	Amount Added:	2.50	Units: uL	
MSV_CCV_CYC_00010	Amount Added:	10.00	Units: uL	
MSV_HP04_ISSS_00003	Amount Added:	1.00	Units: uL	Run Reagent

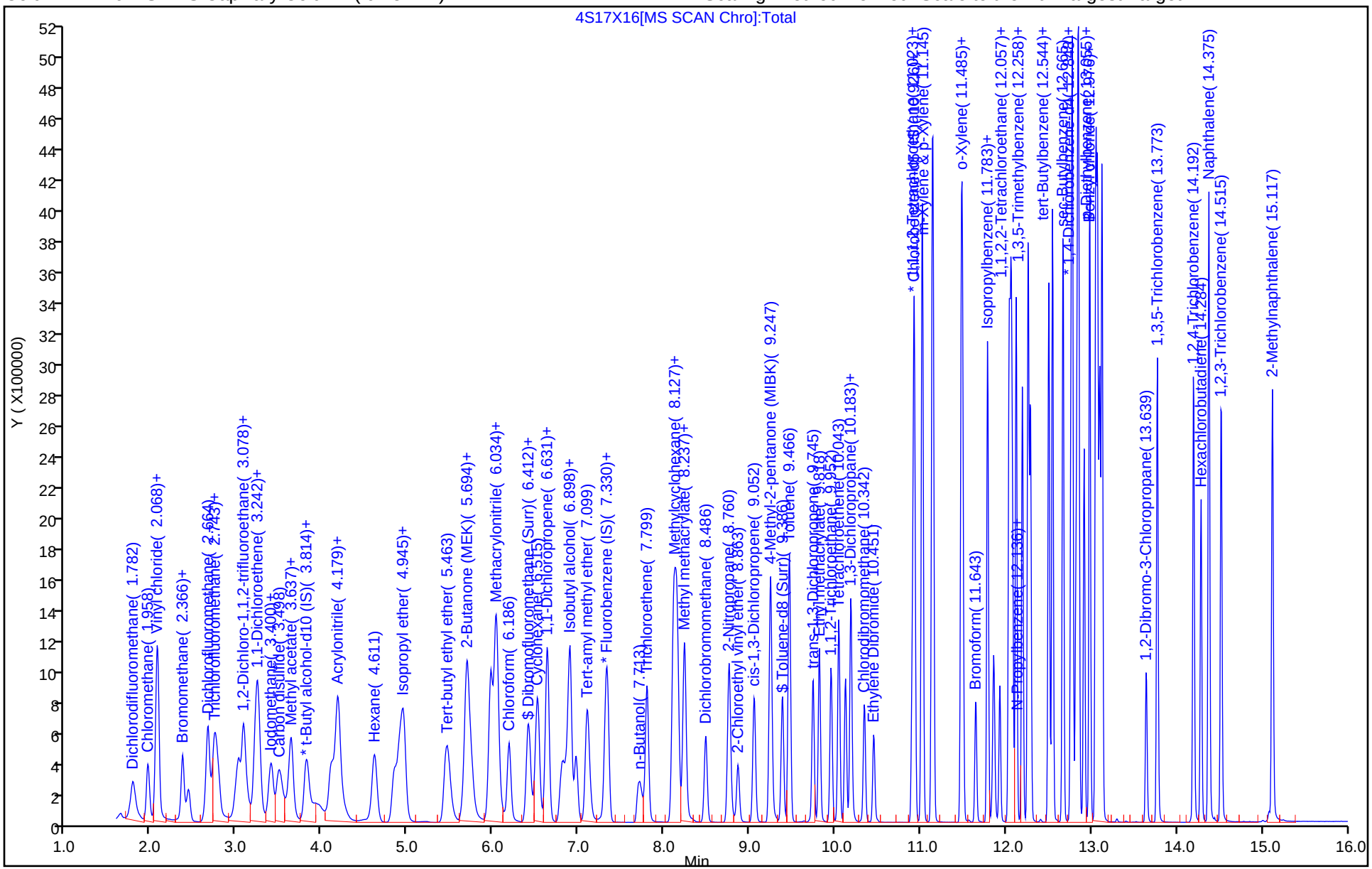
Report Date: 17-Sep-2024 20:48:20 Chrom Revision: 2.3 12-Sep-2024 11:12:44

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20240917-125144.b\4S17X16.D

Injection Date:	17-Sep-2024 18:01:30	Instrument ID:	23297	Operator ID:	jml01693
Lims ID:	IC v100			Worklist Smp#:	17
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	MSVoa_23297	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

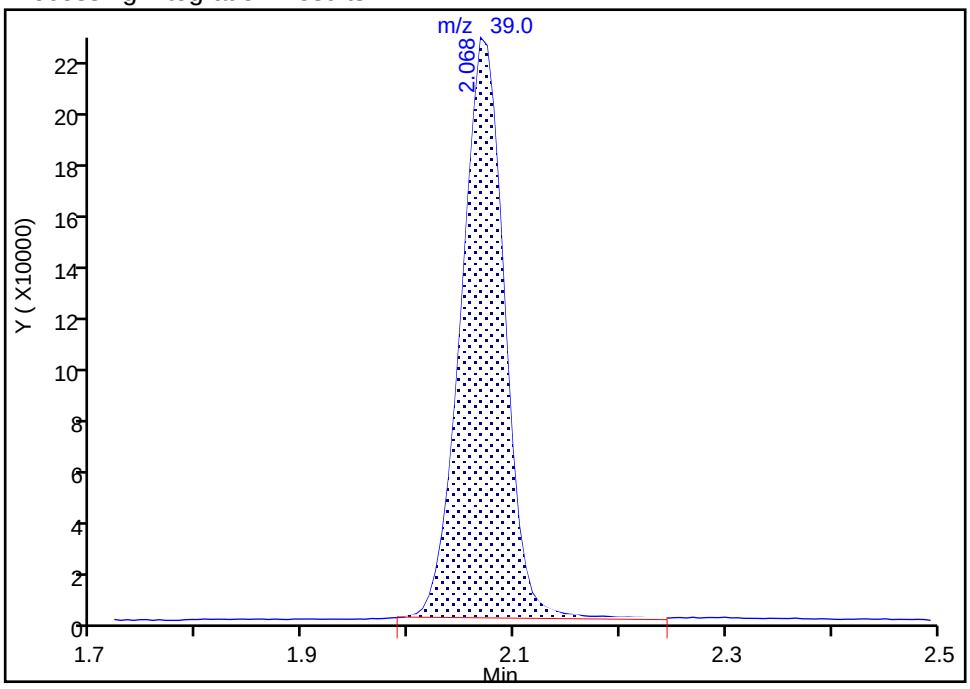
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Injection Date: 17-Sep-2024 18:01:30 Instrument ID: 23297
Lims ID: IC v100
Client ID:
Operator ID: jml01693 ALS Bottle#: 9 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

6 Butadiene, CAS: 106-99-0

Signal: 1

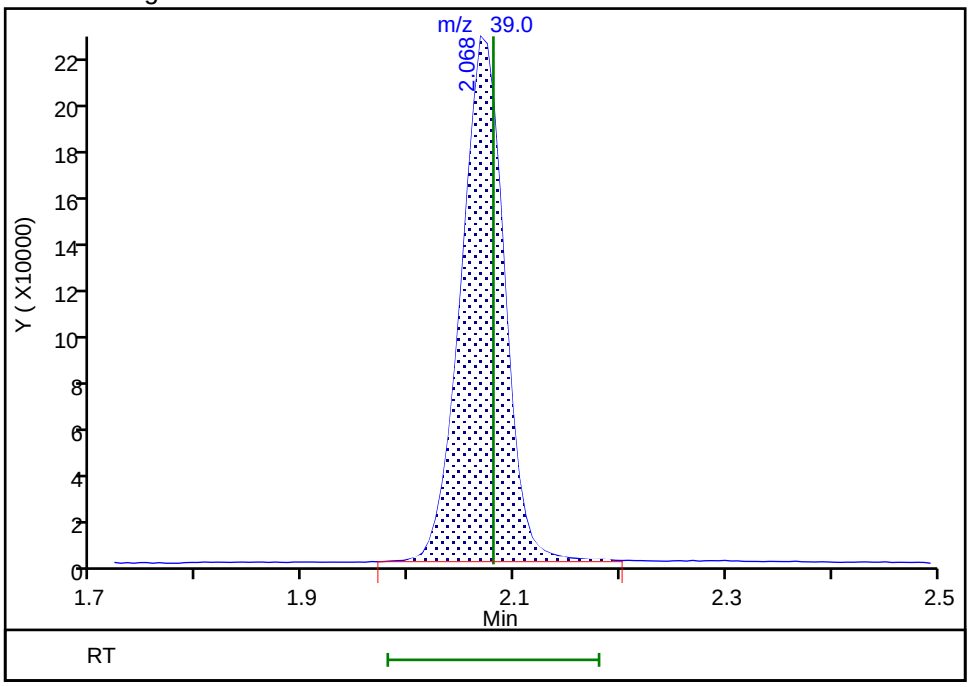
Processing Integration Results

RT: 2.07
Area: 635086
Amount: 97.141539
Amount Units: ug/l



Manual Integration Results

RT: 2.07
Area: 636727
Amount: 97.498492
Amount Units: ug/l



Reviewer: K4WN, 17-Sep-2024 20:18:38 -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

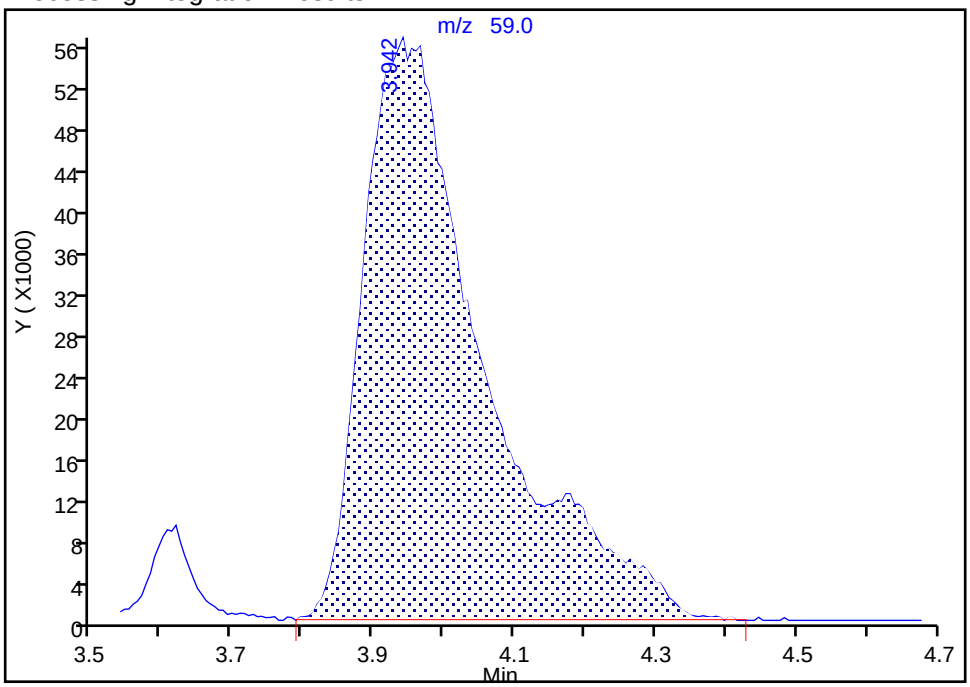
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Injection Date: 17-Sep-2024 18:01:30 Instrument ID: 23297
Lims ID: IC v100
Client ID:
Operator ID: jml01693 ALS Bottle#: 9 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

29 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

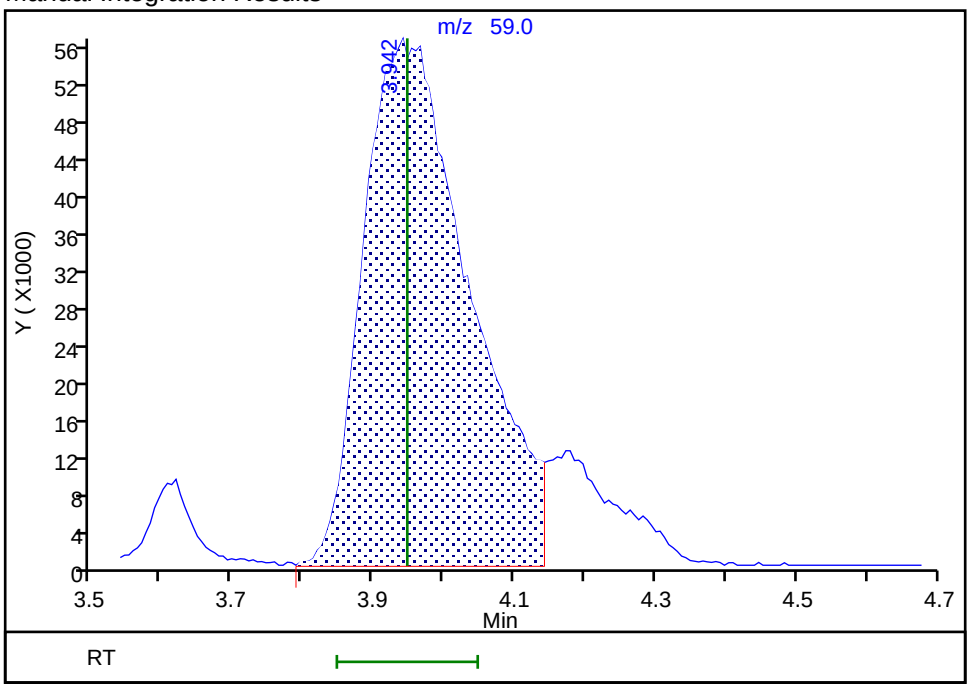
Processing Integration Results

RT: 3.94
Area: 672039
Amount: 562.6904
Amount Units: ug/l



Manual Integration Results

RT: 3.94
Area: 589500
Amount: 514.3987
Amount Units: ug/l



Reviewer: K4WN, 17-Sep-2024 20:13:05 -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

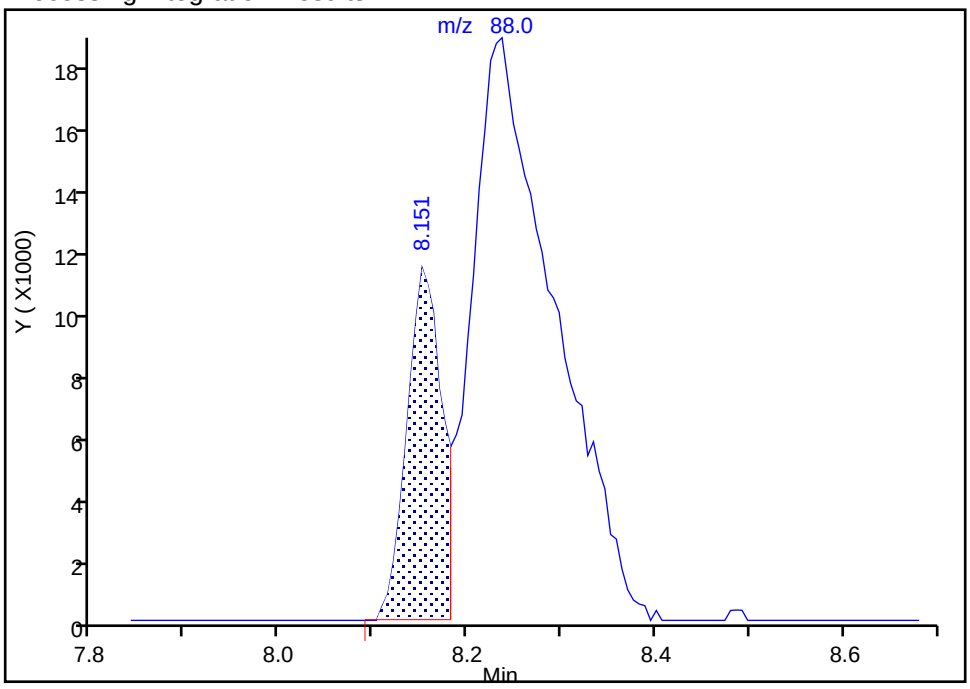
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Injection Date: 17-Sep-2024 18:01:30 Instrument ID: 23297
Lims ID: IC v100
Client ID:
Operator ID: jml01693 ALS Bottle#: 9 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

71 1,4-Dioxane, CAS: 123-91-1

Signal: 1

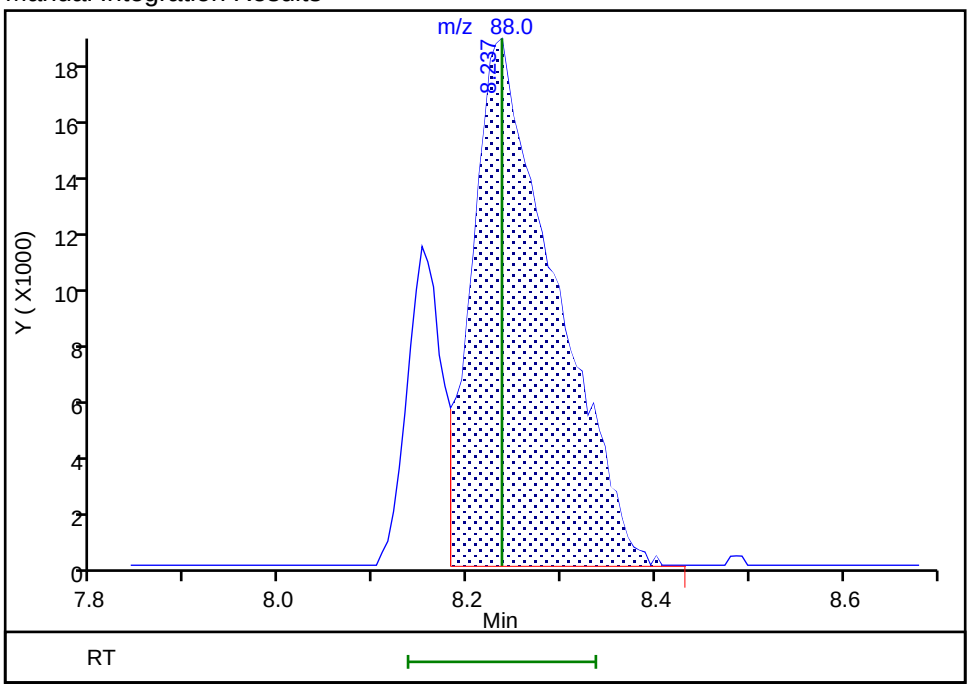
Processing Integration Results

RT: 8.15
Area: 29344
Amount: 468.1405
Amount Units: ug/l



Manual Integration Results

RT: 8.24
Area: 113887
Amount: 1359.3316
Amount Units: ug/l



Reviewer: K4WN, 17-Sep-2024 20:13:24 -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\23297\20240917-125144.b\4S17X17.D
Lims ID: IC v300
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 17-Sep-2024 18:24:30 ALS Bottle#: 10 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0125144-018
Misc. Info.: IC v300
Operator ID: jml01693 Instrument ID: 23297
Sublist: chrom-MSVoa_23297*sub48

Method: \\chromfs\Lancaster\ChromData\23297\20240917-125144.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 17-Sep-2024 20:48:31 Calib Date: 17-Sep-2024 18:24:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20240917-125144.b\4S17X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1647

First Level Reviewer: K4WN Date: 17-Sep-2024 20:16:02

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.788	1.794	-0.006	99	1867391	300.0	282.7	
4 Chloromethane	50	1.964	1.964	0.000	99	1775418	300.0	262.0	
5 Vinyl chloride	62	2.068	2.068	0.000	98	1760083	300.0	278.3	
6 Butadiene	39	2.080	2.080	0.000	93	1937029	300.0	272.4	M
8 Bromomethane	94	2.372	2.372	0.000	90	1325781	300.0	264.9	
9 Chloroethane	64	2.439	2.445	-0.006	100	952213	300.0	281.5	
10 Dichlorofluoromethane	67	2.670	2.664	0.006	97	2719641	300.0	270.9	
11 Trichlorofluoromethane	101	2.737	2.731	0.006	98	2304571	300.0	291.8	
12 Pentane	43	2.767	2.755	0.012	96	2075221	300.0	283.2	
13 Ethanol	45	2.895	2.853	0.042	93	721820	7500.3	7345.7	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.029	3.017	0.012	90	1393448	300.0	283.5	
16 Acrolein	56	3.084	3.090	-0.006	99	4199552	3006.4	3398.6	
18 1,1-Dichloroethene	96	3.236	3.236	0.000	98	1094655	300.0	295.0	
17 Acetone	58	3.236	3.248	-0.012	99	426250	600.0	603.1	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.260	3.260	0.000	91	1342219	300.0	299.5	
21 Iodomethane	142	3.406	3.406	0.000	98	2394799	300.0	282.4	
20 Isopropyl alcohol	45	3.406	3.412	-0.006	96	1025827	1500.0	1364.3	M
22 Carbon disulfide	76	3.510	3.497	0.013	99	4005867	300.0	283.7	
24 Methyl acetate	43	3.613	3.619	-0.006	98	1423854	300.0	289.7	M
25 3-Chloro-1-propene	41	3.643	3.643	0.000	89	1728568	300.0	272.5	
27 Methylene Chloride	84	3.826	3.820	0.006	91	1258429	300.0	284.4	
* 28 t-Butyl alcohol-d10 (IS)	65	3.850	3.844	0.006	91	299724	250.0	250.0	
29 2-Methyl-2-propanol	59	3.948	3.948	0.000	100	1664355	1500.0	1341.7	M
30 Acrylonitrile	53	4.106	4.112	-0.006	98	1914762	750.0	731.1	
31 Methyl tert-butyl ether	73	4.185	4.179	0.006	95	3481543	300.0	272.3	
32 trans-1,2-Dichloroethene	96	4.191	4.185	0.006	99	1105139	300.0	285.2	
34 Hexane	57	4.617	4.617	0.000	94	1504210	300.0	289.0	
36 1,1-Dichloroethane	63	4.842	4.848	-0.006	96	1839193	300.0	283.6	
37 Isopropyl ether	45	4.921	4.915	0.006	94	3454867	300.0	284.5	
38 2-Chloro-1,3-butadiene	53	4.957	4.964	-0.007	90	1638812	300.0	284.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
39 Tert-butyl ethyl ether	59	5.468	5.462	0.006	98	3461968	300.0	281.5	
40 2-Butanone (MEK)	43	5.669	5.675	-0.006	100	2276252	600.0	555.3	
41 cis-1,2-Dichloroethene	96	5.694	5.700	-0.006	81	1276289	300.0	280.1	
42 2,2-Dichloropropane	77	5.718	5.718	0.000	91	1887227	300.0	280.7	
44 Propionitrile	54	5.754	5.754	0.000	99	1756284	1500.0	1555.4	
46 Methacrylonitrile	67	5.979	5.973	0.006	93	1968394	750.0	731.1	
47 Chlorobromomethane	128	6.034	6.034	0.000	89	713602	300.0	285.9	
48 Tetrahydrofuran	71	6.046	6.046	0.000	92	1630473	1500.0	1482.4	
S 49 1,2-Dichloroethene, Total	100				0			565.3	
50 Chloroform	83	6.186	6.186	0.000	93	1950667	300.0	277.5	
$ 51 Dibromofluoromethane (Surr)	113	6.405	6.405	0.000	93	195249	50.0	48.9	
52 1,1,1-Trichloroethane	97	6.424	6.424	0.000	98	1924379	300.0	287.1	
53 Cyclohexane	56	6.527	6.521	0.006	91	2164803	300.0	302.2	
55 1,1-Dichloropropene	75	6.636	6.637	-0.001	94	1568183	300.0	294.0	
54 Carbon tetrachloride	117	6.636	6.637	-0.001	86	1743085	300.0	300.0	
56 Isobutyl alcohol	41	6.819	6.819	0.000	94	1488416	3750.0	3415.4	
$ 57 1,2-Dichloroethane-d4 (Surr)	102	6.868	6.868	0.000	100	46983	50.0	49.6	
58 Benzene	78	6.898	6.898	0.000	96	4549871	300.0	288.2	
59 1,2-Dichloroethane	62	6.971	6.971	0.000	98	1583660	300.0	289.0	
61 Tert-amyl methyl ether	73	7.105	7.105	0.000	98	3422587	300.0	283.1	
* 62 Fluorobenzene (IS)	96	7.312	7.312	0.000	99	755448	50.0	50.0	
63 n-Heptane	43	7.336	7.342	-0.006	93	1498394	300.0	272.0	
64 n-Butanol	56	7.713	7.713	0.000	91	1215433	3750.0	3888.4	
65 Trichloroethene	95	7.798	7.799	0.000	97	1248345	300.0	296.4	
68 Methylcyclohexane	83	8.115	8.109	0.006	91	2324904	300.0	304.7	
69 1,2-Dichloropropane	63	8.133	8.133	0.000	96	1197250	300.0	300.6	
70 2-ethoxy-2-methyl butane	87	8.157	8.157	0.000	93	1830197	300.0	304.9	
72 Methyl methacrylate	69	8.236	8.237	-0.001	92	1199704	300.0	314.7	
71 1,4-Dioxane	88	8.236	8.237	-0.001	29	329495	3750.0	3633.2	M
73 Dibromomethane	93	8.249	8.243	0.006	93	875149	300.0	298.5	
75 Dichlorobromomethane	83	8.486	8.486	0.000	99	1597747	300.0	306.4	
76 2-Nitropropane	41	8.766	8.760	0.006	98	3052140	1500.0	1504.4	
77 2-Chloroethyl vinyl ether	63	8.869	8.863	0.006	92	755277	300.0	362.7	
78 cis-1,3-Dichloropropene	75	9.058	9.052	0.006	96	2059973	300.0	317.6	
79 4-Methyl-2-pentanone (MIBK)	43	9.246	9.246	0.000	97	4430581	600.0	559.2	
$ 80 Toluene-d8 (Surr)	98	9.386	9.386	0.000	93	793027	50.0	48.6	
81 Toluene	92	9.465	9.465	0.000	98	3036470	300.0	284.8	
82 trans-1,3-Dichloropropene	75	9.745	9.745	0.000	93	1942133	300.0	305.1	
83 Ethyl methacrylate	69	9.818	9.818	0.000	90	2044997	300.0	282.3	
101 1,1,2-Trichloroethane	97	9.958	9.952	0.006	90	1213154	300.0	284.6	
117 Tetrachloroethene	166	10.043	10.043	0.000	97	1439784	300.0	285.8	
S 116 1,3-Dichloropropene, Total	100				0			622.7	
121 1,3-Dichloropropane	76	10.122	10.122	0.000	92	1935041	300.0	292.5	
123 2-Hexanone	43	10.183	10.183	0.000	96	3293526	600.0	528.3	
126 Chlorodibromomethane	129	10.341	10.341	0.000	90	1524951	300.0	303.5	
127 Ethylene Dibromide	107	10.451	10.451	0.000	99	1384871	300.0	297.5	
* 129 Chlorobenzene-d5 (IS)	117	10.907	10.901	0.006	85	635666	50.0	50.0	
130 1-Chlorohexane	91	10.925	10.919	0.006	98	1622118	300.0	274.4	
131 Chlorobenzene	112	10.931	10.932	-0.001	97	3674290	300.0	288.1	
132 1,1,1,2-Tetrachloroethane	131	11.017	11.017	0.000	97	1449342	300.0	285.9	
133 Ethylbenzene	91	11.023	11.023	0.000	98	6039167	300.0	279.0	
134 m-Xylene & p-Xylene	106	11.144	11.144	0.000	0	4913798	600.0	566.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 135 Xylenes, Total	106				0			843.7	
136 o-Xylene	106	11.479	11.479	0.000	96	2549180	300.0	277.5	
138 Styrene	104	11.497	11.491	0.006	95	4119859	300.0	292.2	
139 Bromoform	173	11.649	11.649	0.000	98	1226040	300.0	297.6	
140 Isopropylbenzene	105	11.783	11.783	0.000	96	5876696	300.0	274.8	
142 Cyclohexanone	55	11.856	11.856	0.000	93	1278003	3749.9	3588.5	
$ 143 4-Bromofluorobenzene (Surr)	95	11.929	11.929	0.000	93	306142	50.0	49.6	
144 1,1,2,2-Tetrachloroethane	83	12.033	12.033	0.000	95	2273483	300.0	287.9	
145 Bromobenzene	156	12.045	12.045	0.000	91	1729215	300.0	296.0	
146 trans-1,4-Dichloro-2-butene	53	12.063	12.057	0.006	89	1612057	750.0	748.9	
147 1,2,3-Trichloropropane	110	12.081	12.075	0.006	83	680728	300.0	283.2	
148 N-Propylbenzene	91	12.118	12.118	0.000	98	7136406	300.0	277.3	
149 2-Chlorotoluene	126	12.197	12.191	0.006	98	1665250	300.0	291.3	
150 1,3,5-Trimethylbenzene	105	12.258	12.258	0.000	94	5682743	300.0	288.7	
151 4-Chlorotoluene	126	12.288	12.288	0.000	96	1674199	300.0	296.4	
154 tert-Butylbenzene	134	12.501	12.501	0.000	93	1185619	300.0	305.8	
156 1,2,4-Trimethylbenzene	105	12.544	12.544	0.000	97	5828067	300.0	284.6	
157 sec-Butylbenzene	105	12.671	12.665	0.006	94	7203383	300.0	284.4	
158 1,3-Dichlorobenzene	146	12.763	12.763	0.000	98	3327185	300.0	284.4	
159 4-Isopropyltoluene	119	12.781	12.775	0.006	97	6468893	300.0	283.6	
* 160 1,4-Dichlorobenzene-d4	152	12.817	12.817	0.000	94	384512	50.0	50.0	
161 1,4-Dichlorobenzene	146	12.836	12.836	0.000	95	3400547	300.0	284.6	
163 1,2,3-Trimethylbenzene	105	12.854	12.848	0.006	98	6144595	300.0	280.7	
164 Benzyl chloride	91	12.915	12.915	0.000	98	4728917	300.0	289.4	
165 1,3-Diethylbenzene	119	12.982	12.982	0.000	95	3734475	300.0	281.2	
166 p-Diethylbenzene	119	13.055	13.055	0.000	94	4002889	300.0	277.4	
167 n-Butylbenzene	92	13.073	13.073	0.000	97	3106901	300.0	281.5	
168 1,2-Dichlorobenzene	146	13.097	13.097	0.000	99	3405386	300.0	280.6	
169 o-diethylbenzene	119	13.128	13.122	0.006	94	3292300	300.0	287.4	
171 1,2-Dibromo-3-Chloropropane	75	13.639	13.639	0.000	90	636628	300.0	271.6	
172 1,3,5-Trichlorobenzene	180	13.772	13.773	-0.001	98	2564360	300.0	263.0	
173 1,2,4-Trichlorobenzene	180	14.198	14.198	0.000	95	2407719	300.0	259.0	
175 Hexachlorobutadiene	225	14.284	14.284	0.000	98	1034432	300.0	274.1	
176 Naphthalene	128	14.375	14.375	0.000	97	8006928	300.0	249.9	
177 1,2,3-Trichlorobenzene	180	14.521	14.521	0.000	96	2243518	300.0	252.7	
178 2-Methylnaphthalene	142	15.117	15.117	0.000	92	3567437	300.0	259.7	
S 185 Total Diethylbenzene	1				0			846.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_VOC#1_00201	Amount Added:	15.00	Units: uL	
MSV_CCV_VOC#3_00198	Amount Added:	12.00	Units: uL	
MSV_CCV_2CEVE_00193	Amount Added:	15.00	Units: uL	
MSV_CCV_ETOH_00006	Amount Added:	30.00	Units: uL	
MSV_CCV_GASES_00856	Amount Added:	7.50	Units: uL	
MSV_CCV_CYC_00010	Amount Added:	30.00	Units: uL	
MSV_HP04_ISSS_00003	Amount Added:	1.00	Units: uL	Run Reagent

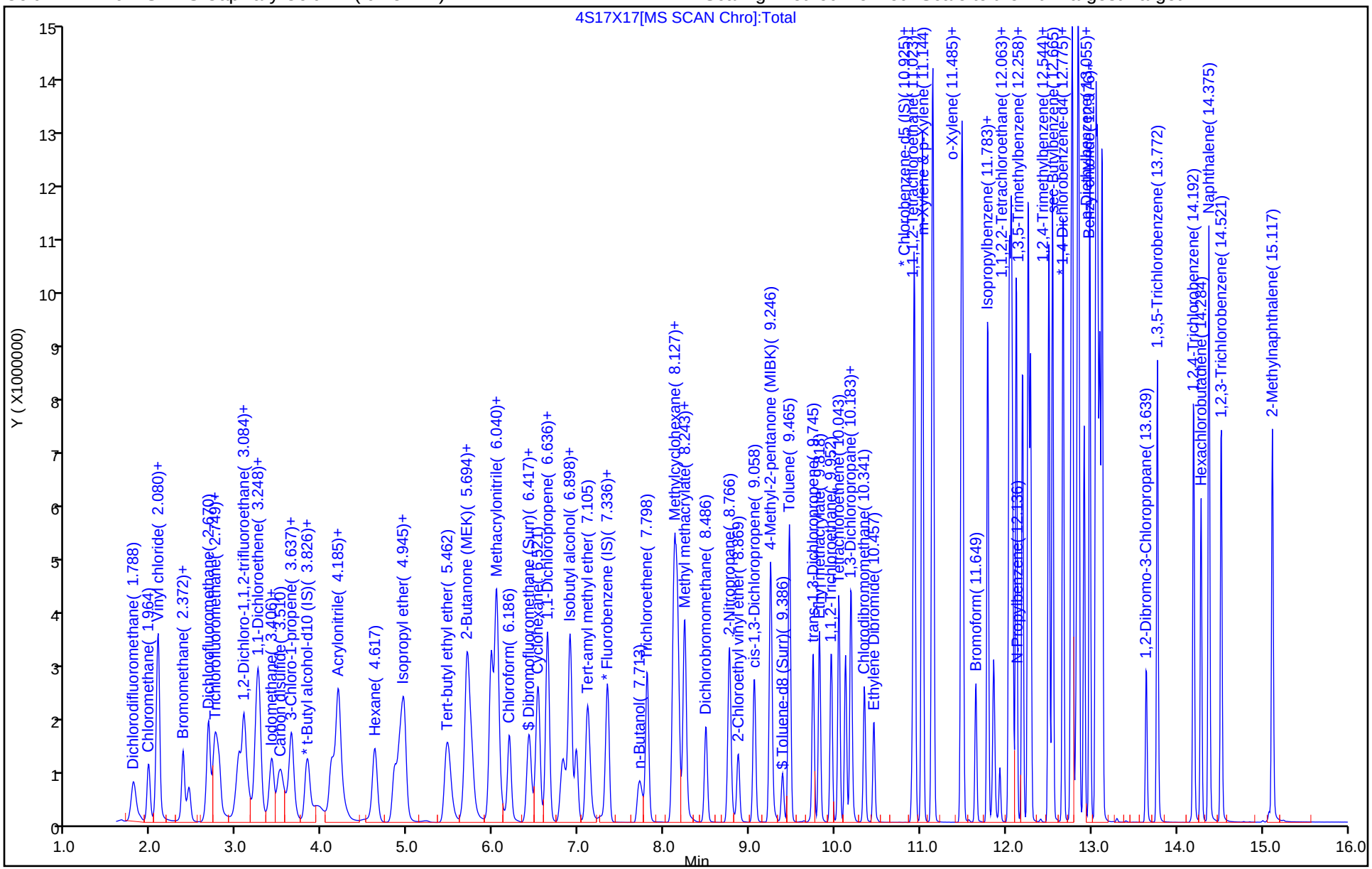
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Eurofins Lancaster Laboratories Environment Testing, LLC

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Injection Date:	17-Sep-2024 18:24:30	Instrument ID:	23297	Operator ID:	jml01693
Lims ID:	IC v300			Worklist Smp#:	18
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	MSVoa_23297	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

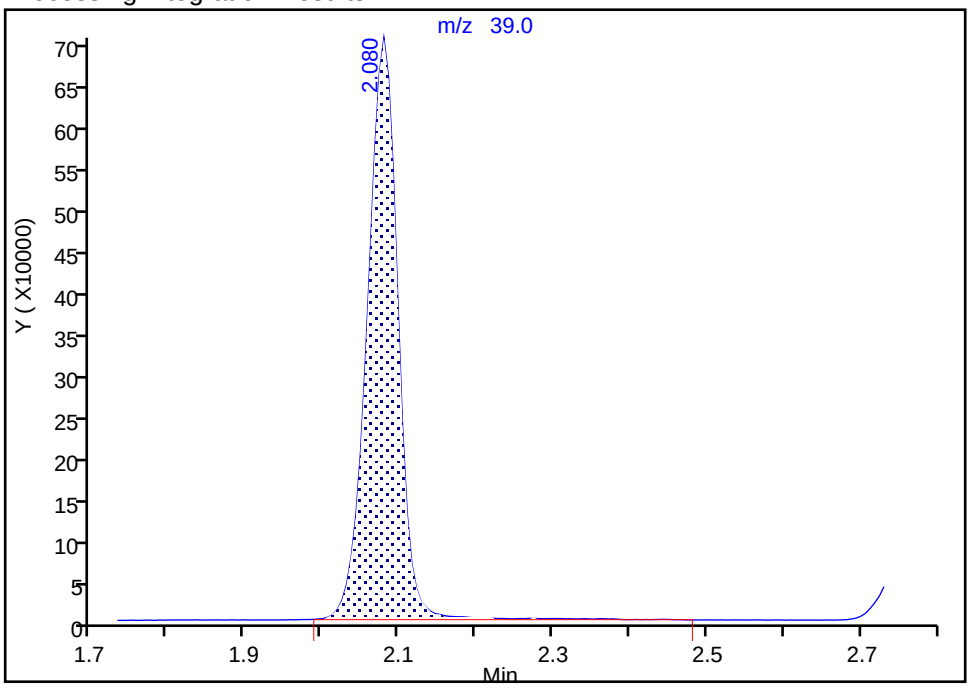
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Injection Date: 17-Sep-2024 18:24:30 Instrument ID: 23297
Lims ID: IC v300
Client ID:
Operator ID: jml01693 ALS Bottle#: 10 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

6 Butadiene, CAS: 106-99-0

Signal: 1

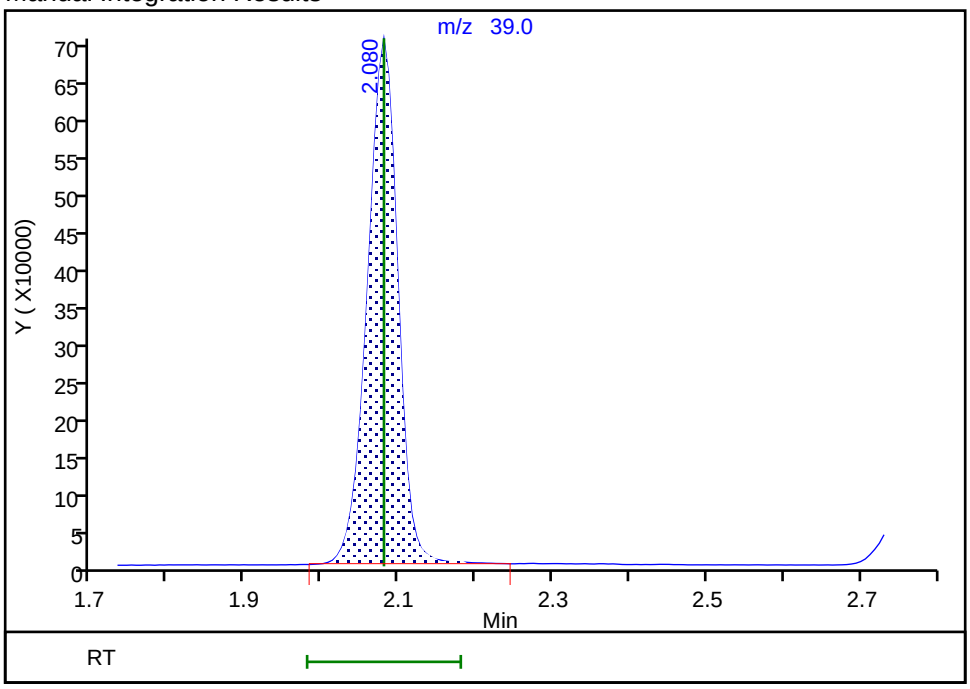
Processing Integration Results

RT: 2.08
Area: 1958634
Amount: 275.0456
Amount Units: ug/l



Manual Integration Results

RT: 2.08
Area: 1937029
Amount: 272.4053
Amount Units: ug/l



Reviewer: K4WN, 17-Sep-2024 20:19:02 -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

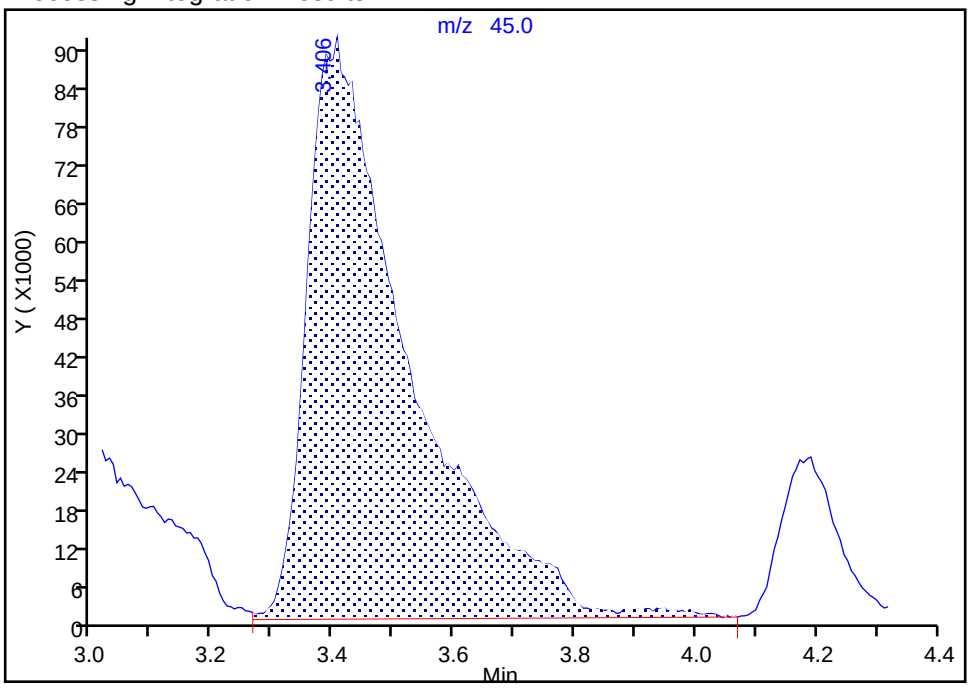
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Injection Date: 17-Sep-2024 18:24:30 Instrument ID: 23297
Lims ID: IC v300
Client ID:
Operator ID: jml01693 ALS Bottle#: 10 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

20 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

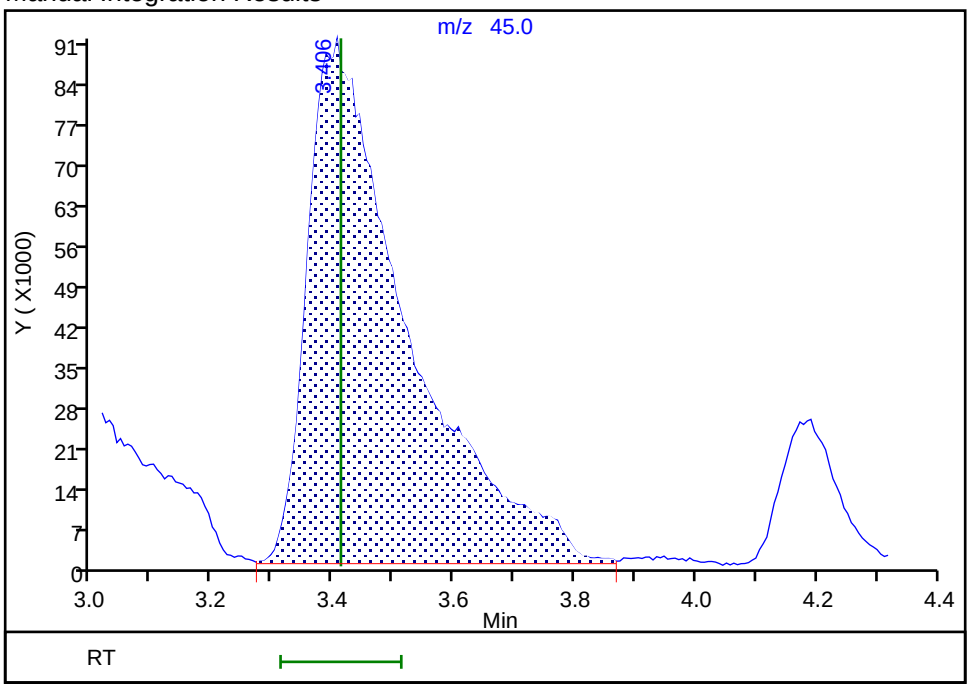
Processing Integration Results

RT: 3.41
Area: 1062436
Amount: 1406.5008
Amount Units: ug/l



Manual Integration Results

RT: 3.41
Area: 1025827
Amount: 1364.3334
Amount Units: ug/l



Reviewer: K4WN, 17-Sep-2024 20:14:08 -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

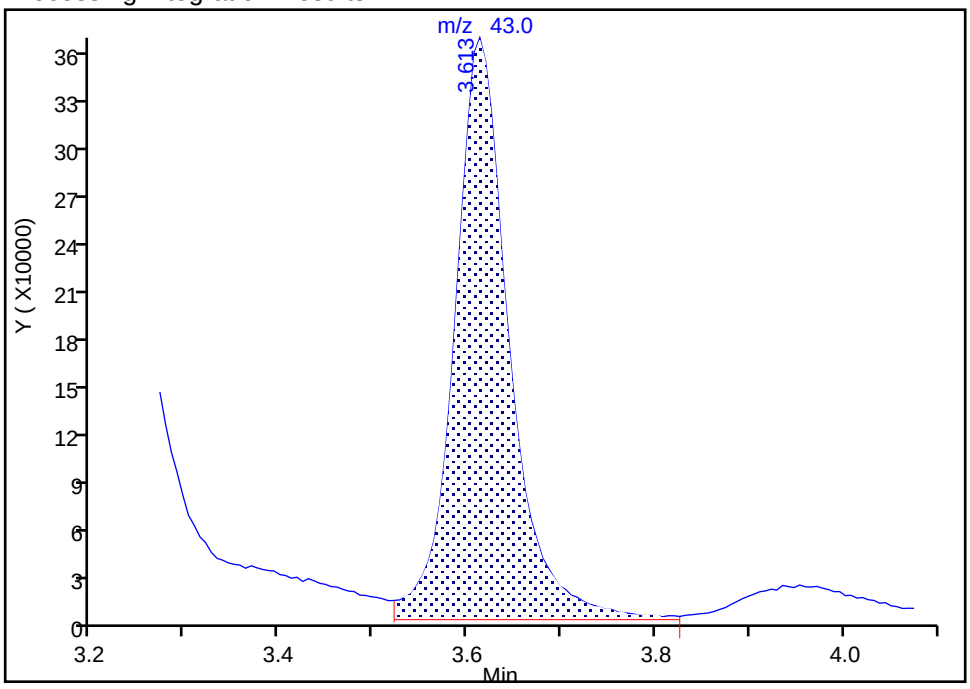
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Injection Date:	17-Sep-2024 18:24:30	Instrument ID:	23297		
Lims ID:	IC v300				
Client ID:					
Operator ID:	jml01693	ALS Bottle#:	10	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

24 Methyl acetate, CAS: 79-20-9

Signal: 1

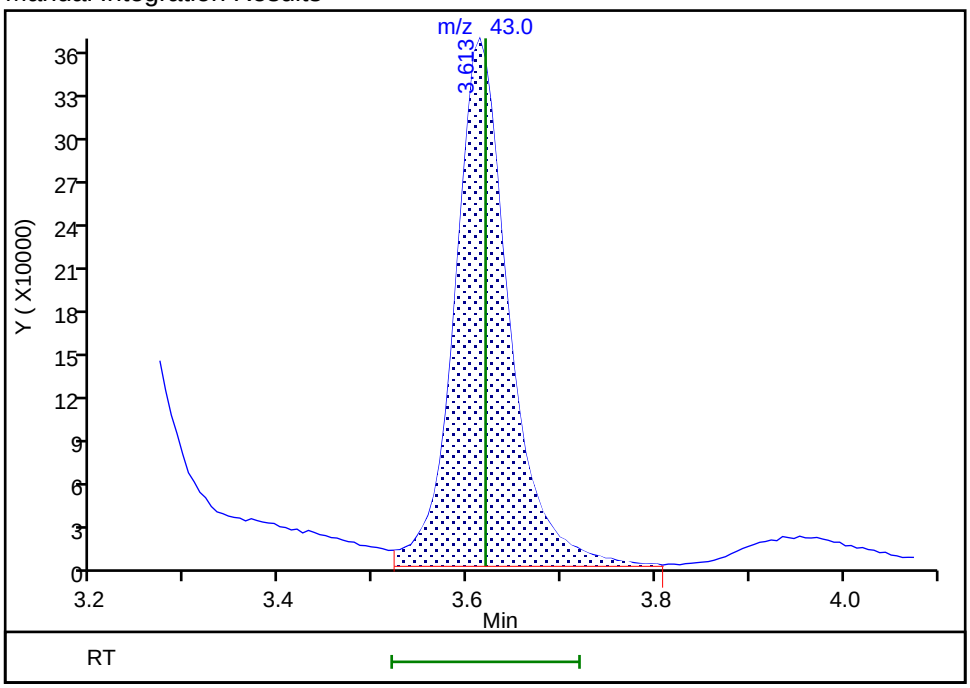
Processing Integration Results

RT: 3.61
Area: 1457997
Amount: 297.0688
Amount Units: ug/l



Manual Integration Results

RT: 3.61
Area: 1423854
Amount: 289.6534
Amount Units: ug/l



Reviewer: K4WN, 17-Sep-2024 20:22:49 -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

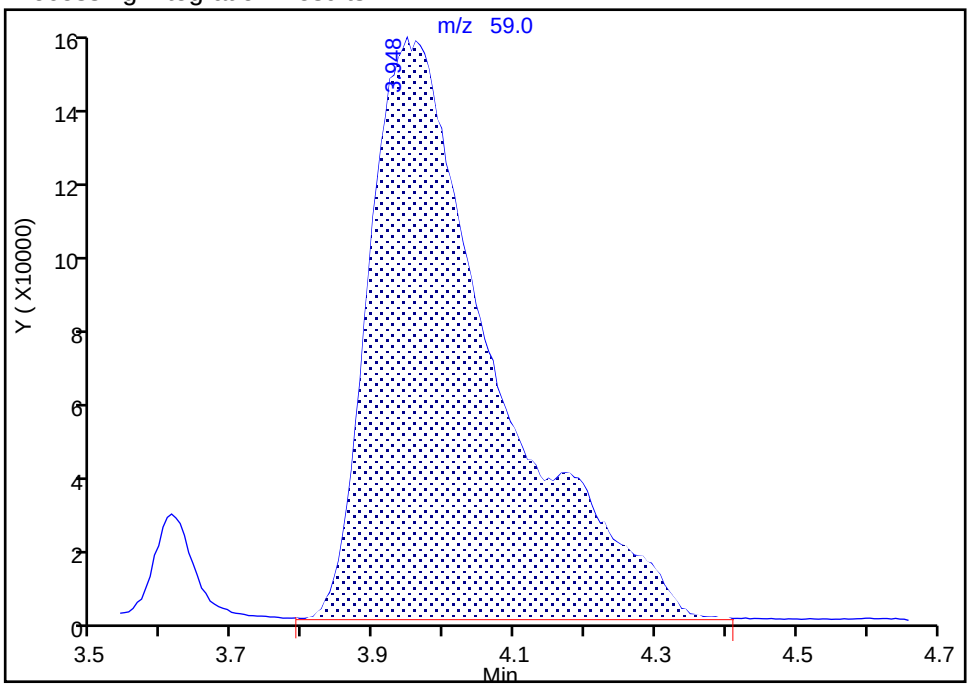
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Injection Date: 17-Sep-2024 18:24:30 Instrument ID: 23297
Lims ID: IC v300
Client ID:
Operator ID: jml01693 ALS Bottle#: 10 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

29 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

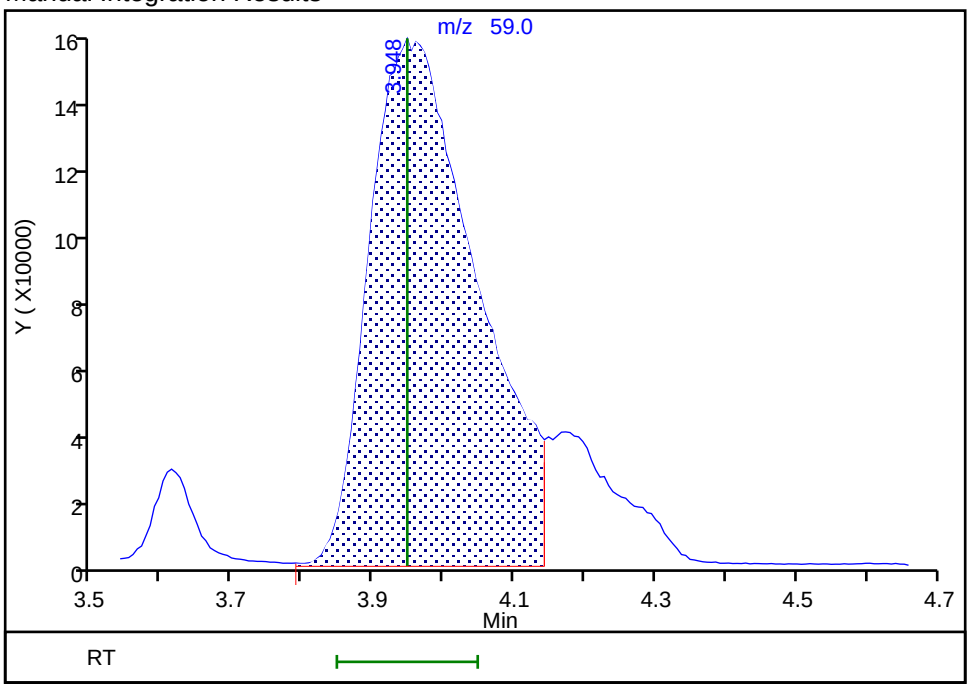
Processing Integration Results

RT: 3.95
Area: 1945668
Amount: 1535.3020
Amount Units: ug/l



Manual Integration Results

RT: 3.95
Area: 1664355
Amount: 1341.6860
Amount Units: ug/l



Reviewer: K4WN, 17-Sep-2024 20:14:17 -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

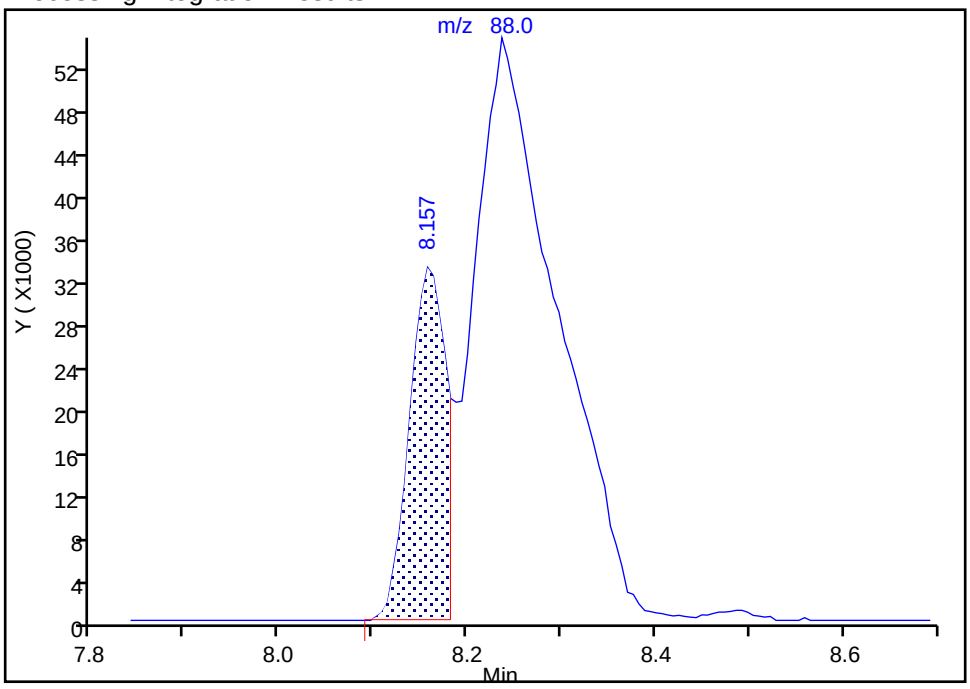
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Injection Date: 17-Sep-2024 18:24:30 Instrument ID: 23297
Lims ID: IC v300
Client ID:
Operator ID: jml01693 ALS Bottle#: 10 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

71 1,4-Dioxane, CAS: 123-91-1

Signal: 1

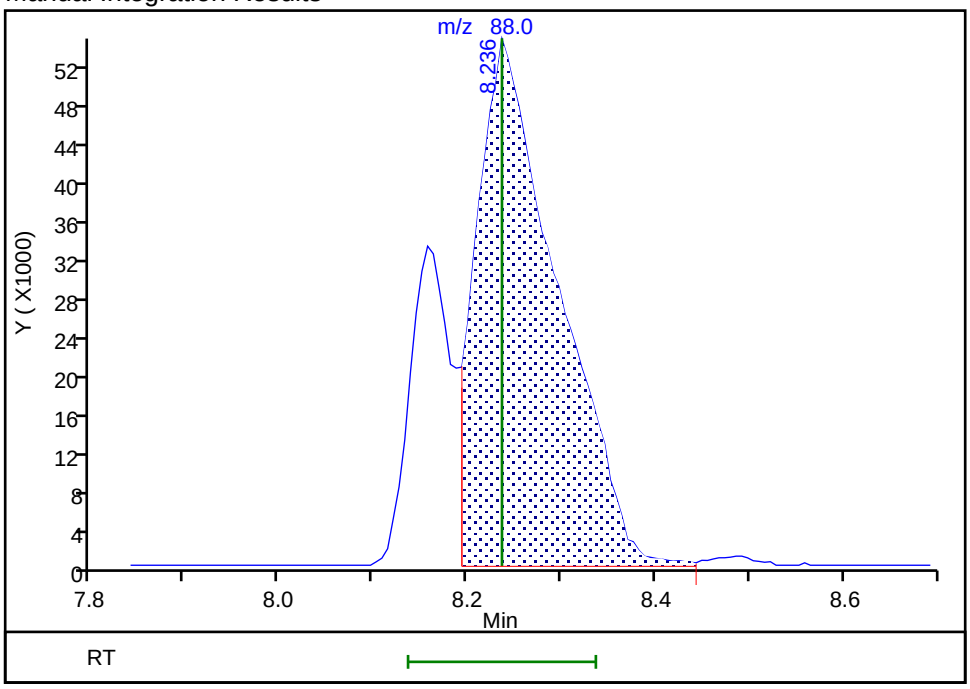
Processing Integration Results

RT: 8.16
Area: 90151
Amount: 1126.1473
Amount Units: ug/l



Manual Integration Results

RT: 8.24
Area: 329495
Amount: 3633.1972
Amount Units: ug/l



Reviewer: K4WN, 17-Sep-2024 20:14:44 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak 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

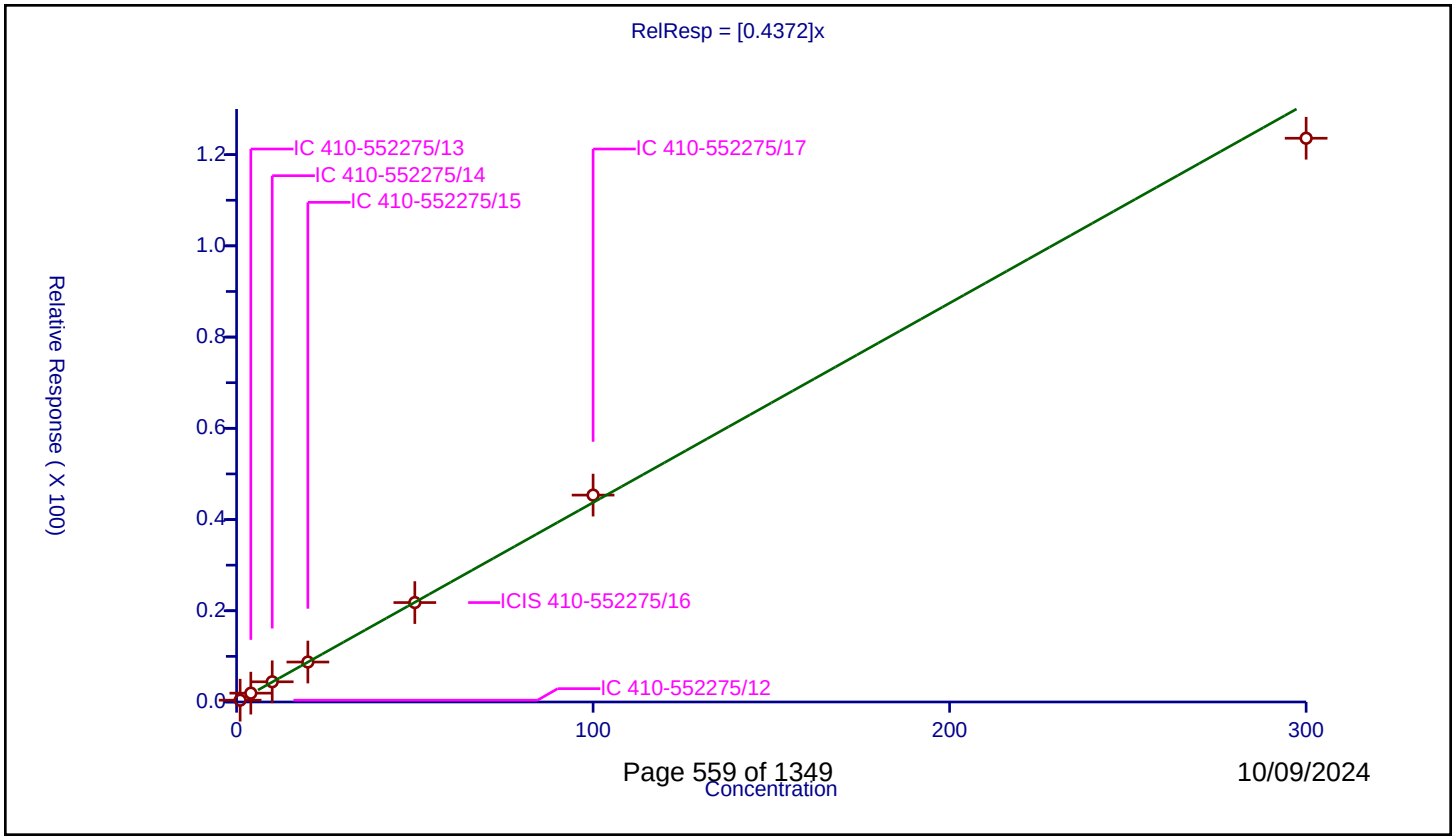
Curve Coefficients

Intercept:	0
Slope:	0.4372

Error Coefficients

Relative Standard Deviation:	6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	1.0	0.394417	50.0	681005.0	0.394417	Y
2	IC 410-552275/13	4.0	1.93524	50.0	684308.0	0.48381	Y
3	IC 410-552275/14	10.0	4.428489	50.0	667293.0	0.442849	Y
4	IC 410-552275/15	20.0	8.761654	50.0	698989.0	0.438083	Y
5	ICIS 410-552275/16	50.0	21.798305	50.0	692719.0	0.435966	Y
6	IC 410-552275/17	100.0	45.357001	50.0	693808.0	0.45357	Y
7	IC 410-552275/18	300.0	123.59494	50.0	755448.0	0.411983	Y



Calibration / Chloromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

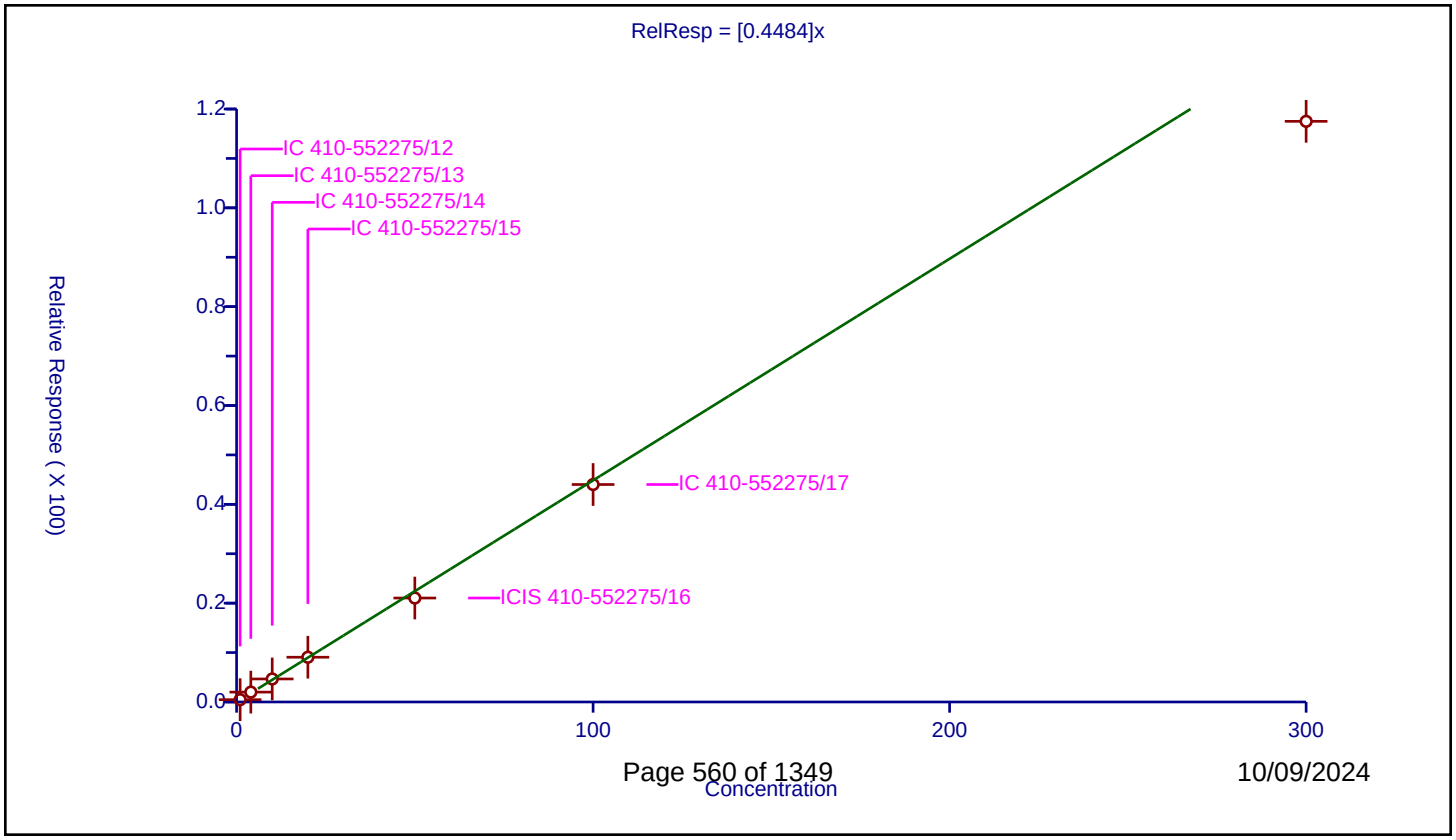
Curve Coefficients

Intercept:	0
Slope:	0.4484

Error Coefficients

Relative Standard Deviation:	7.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	1.0	0.467691	50.0	681005.0	0.467691	Y
2	IC 410-552275/13	4.0	2.001292	50.0	684308.0	0.500323	Y
3	IC 410-552275/14	10.0	4.657474	50.0	667293.0	0.465747	Y
4	IC 410-552275/15	20.0	9.056938	50.0	698989.0	0.452847	Y
5	ICIS 410-552275/16	50.0	21.036452	50.0	692719.0	0.420729	Y
6	IC 410-552275/17	100.0	44.010663	50.0	693808.0	0.440107	Y
7	IC 410-552275/18	300.0	117.507625	50.0	755448.0	0.391692	Y



Calibration / Vinyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

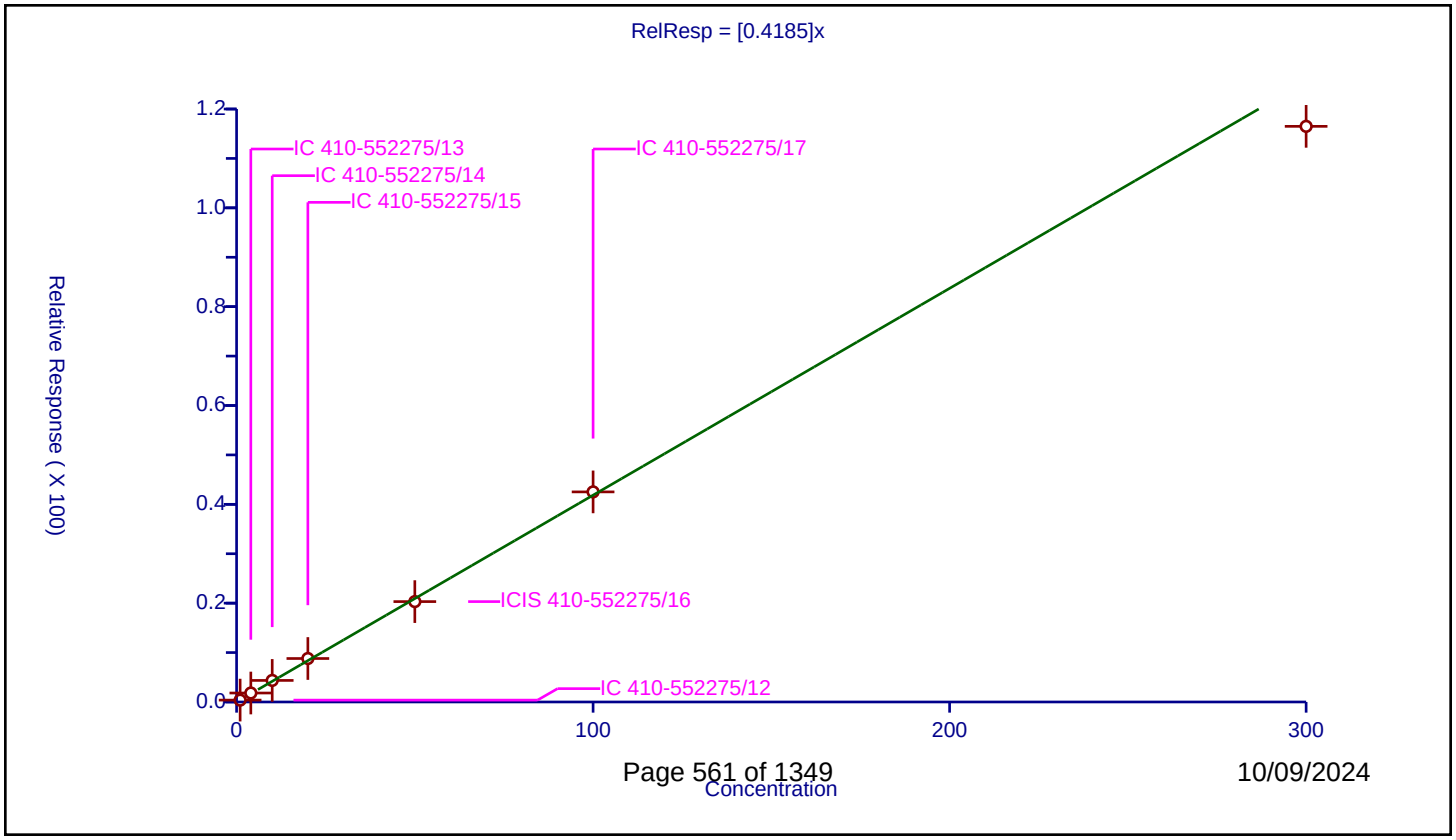
Curve Coefficients

Intercept:	0
Slope:	0.4185

Error Coefficients

Relative Standard Deviation:	6.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	1.0	0.379439	50.0	681005.0	0.379439	Y
2	IC 410-552275/13	4.0	1.816214	50.0	684308.0	0.454054	Y
3	IC 410-552275/14	10.0	4.365399	50.0	667293.0	0.43654	Y
4	IC 410-552275/15	20.0	8.800568	50.0	698989.0	0.440028	Y
5	ICIS 410-552275/16	50.0	20.315164	50.0	692719.0	0.406303	Y
6	IC 410-552275/17	100.0	42.514356	50.0	693808.0	0.425144	Y
7	IC 410-552275/18	300.0	116.492664	50.0	755448.0	0.388309	Y



Calibration / Butadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

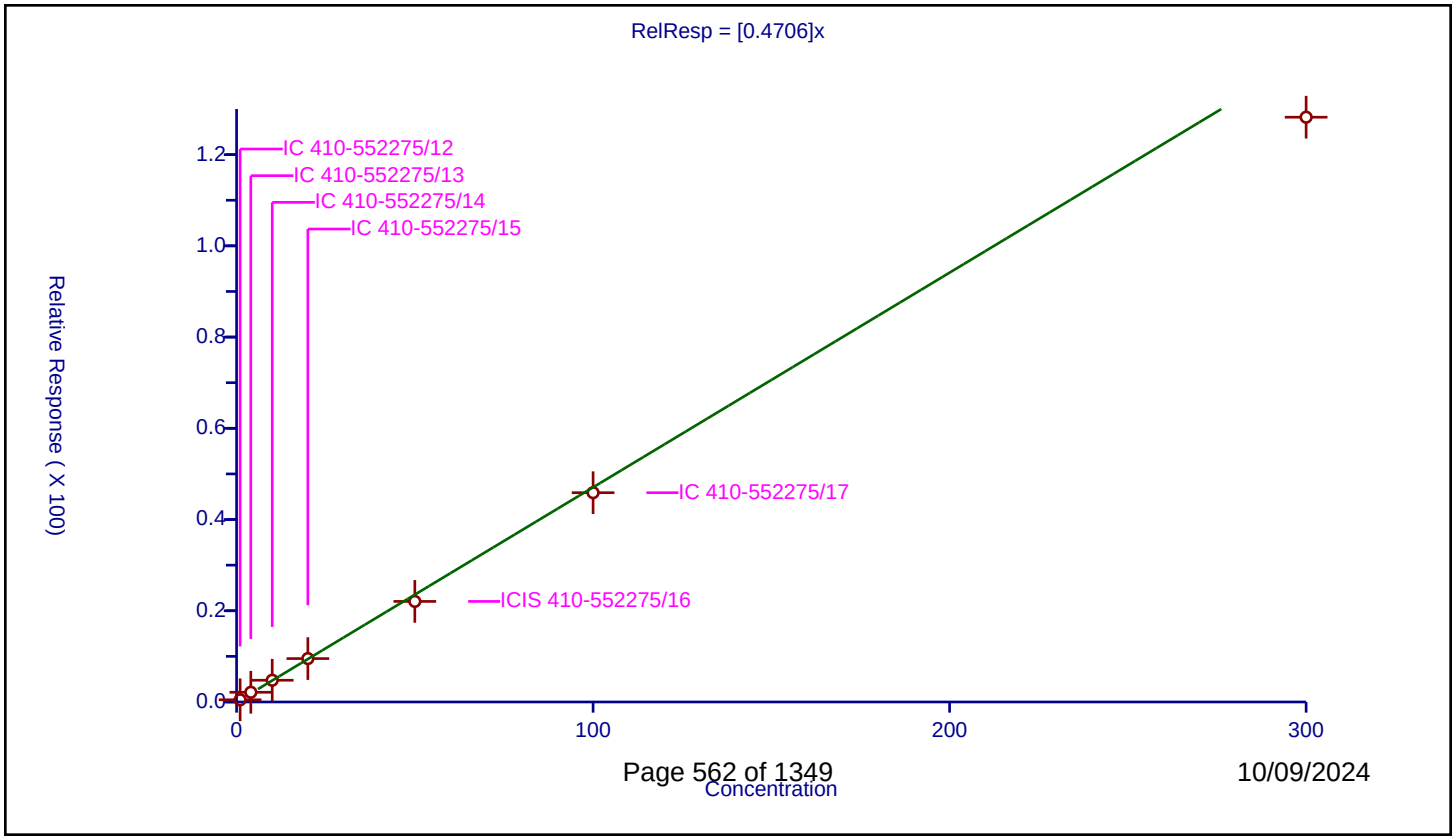
Curve Coefficients

Intercept:	0
Slope:	0.4706

Error Coefficients

Relative Standard Deviation:	7.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	1.0	0.481788	50.0	681005.0	0.481788	Y
2	IC 410-552275/13	4.0	2.131935	50.0	684308.0	0.532984	Y
3	IC 410-552275/14	10.0	4.766272	50.0	667293.0	0.476627	Y
4	IC 410-552275/15	20.0	9.516387	50.0	698989.0	0.475819	Y
5	ICIS 410-552275/16	50.0	22.05151	50.0	692719.0	0.44103	Y
6	IC 410-552275/17	100.0	45.886398	50.0	693808.0	0.458864	Y
7	IC 410-552275/18	300.0	128.203993	50.0	755448.0	0.427347	Y



Calibration / Bromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

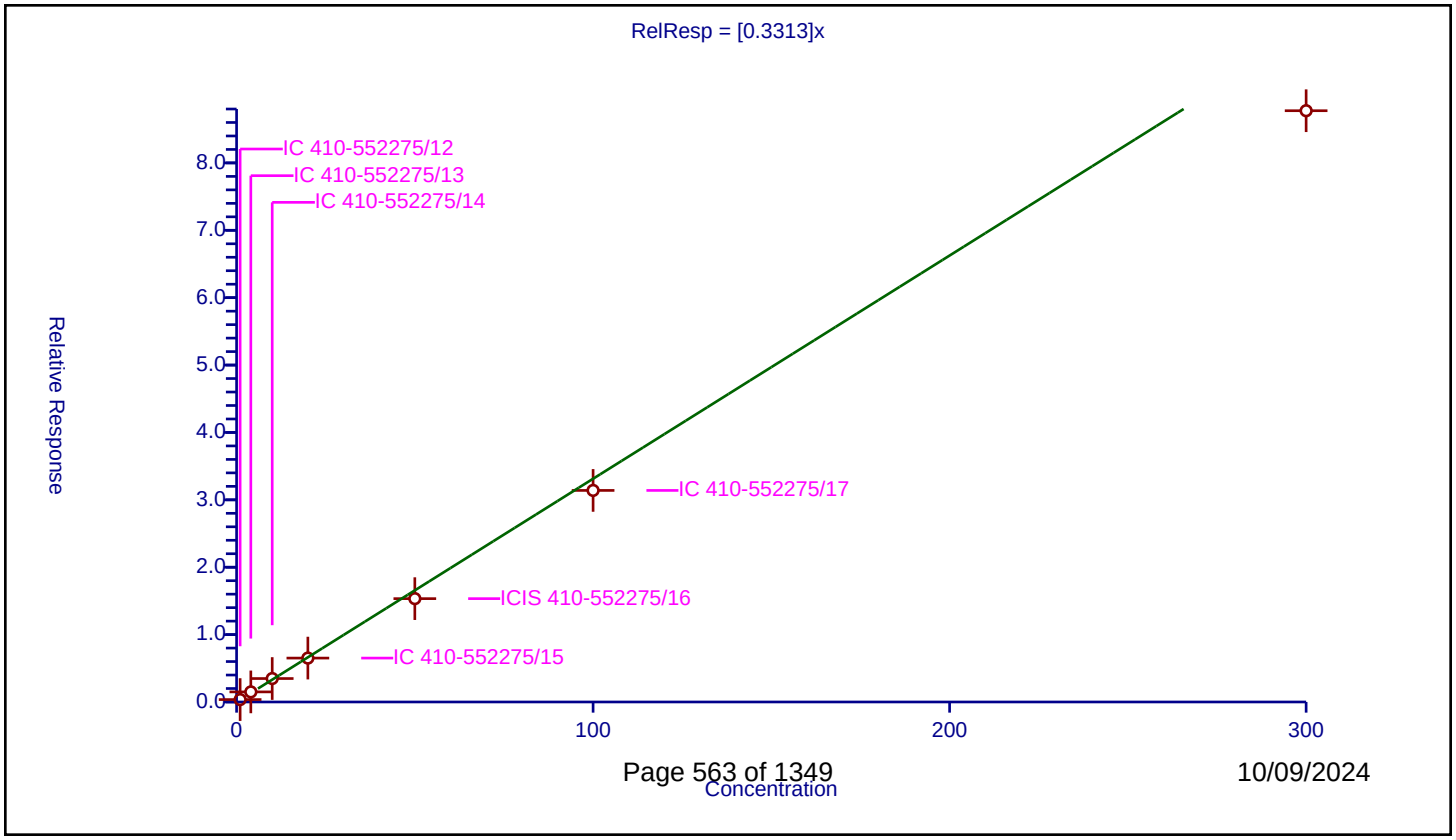
Curve Coefficients

Intercept:	0
Slope:	0.3313

Error Coefficients

Relative Standard Deviation:	8.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	1.0	0.357413	50.0	681005.0	0.357413	Y
2	IC 410-552275/13	4.0	1.497498	50.0	684308.0	0.374375	Y
3	IC 410-552275/14	10.0	3.481829	50.0	667293.0	0.348183	Y
4	IC 410-552275/15	20.0	6.515553	50.0	698989.0	0.325778	Y
5	ICIS 410-552275/16	50.0	15.336233	50.0	692719.0	0.306725	Y
6	IC 410-552275/17	100.0	31.397519	50.0	693808.0	0.313975	Y
7	IC 410-552275/18	300.0	87.747999	50.0	755448.0	0.292493	Y



Calibration / Chloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

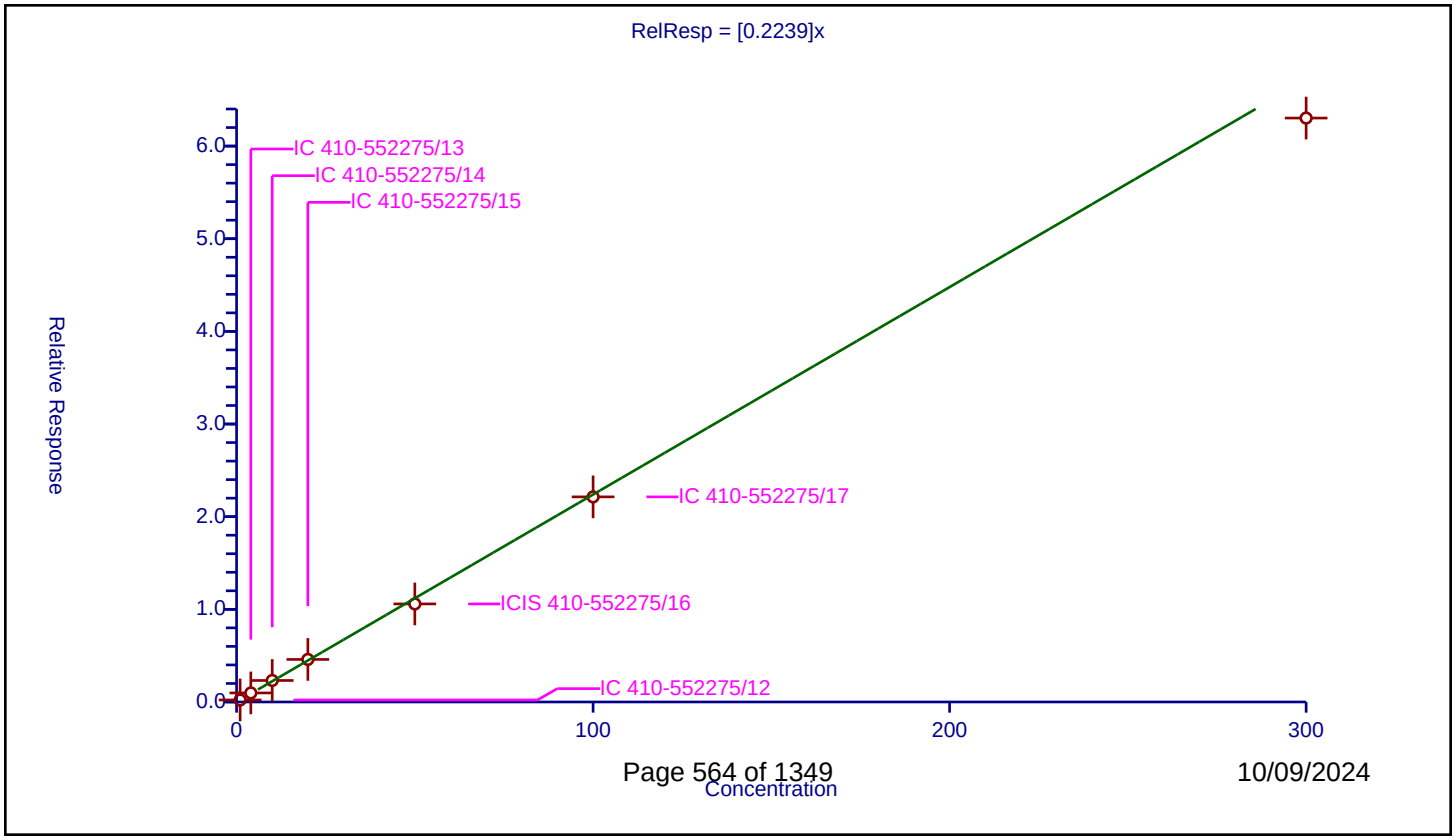
Curve Coefficients

Intercept:	0
Slope:	0.2239

Error Coefficients

Relative Standard Deviation:	5.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	1.0	0.218354	50.0	681005.0	0.218354	Y
2	IC 410-552275/13	4.0	0.976242	50.0	684308.0	0.24406	Y
3	IC 410-552275/14	10.0	2.321844	50.0	667293.0	0.232184	Y
4	IC 410-552275/15	20.0	4.592991	50.0	698989.0	0.22965	Y
5	ICIS 410-552275/16	50.0	10.584306	50.0	692719.0	0.211686	Y
6	IC 410-552275/17	100.0	22.137104	50.0	693808.0	0.221371	Y
7	IC 410-552275/18	300.0	63.023067	50.0	755448.0	0.210077	Y



Calibration / Dichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

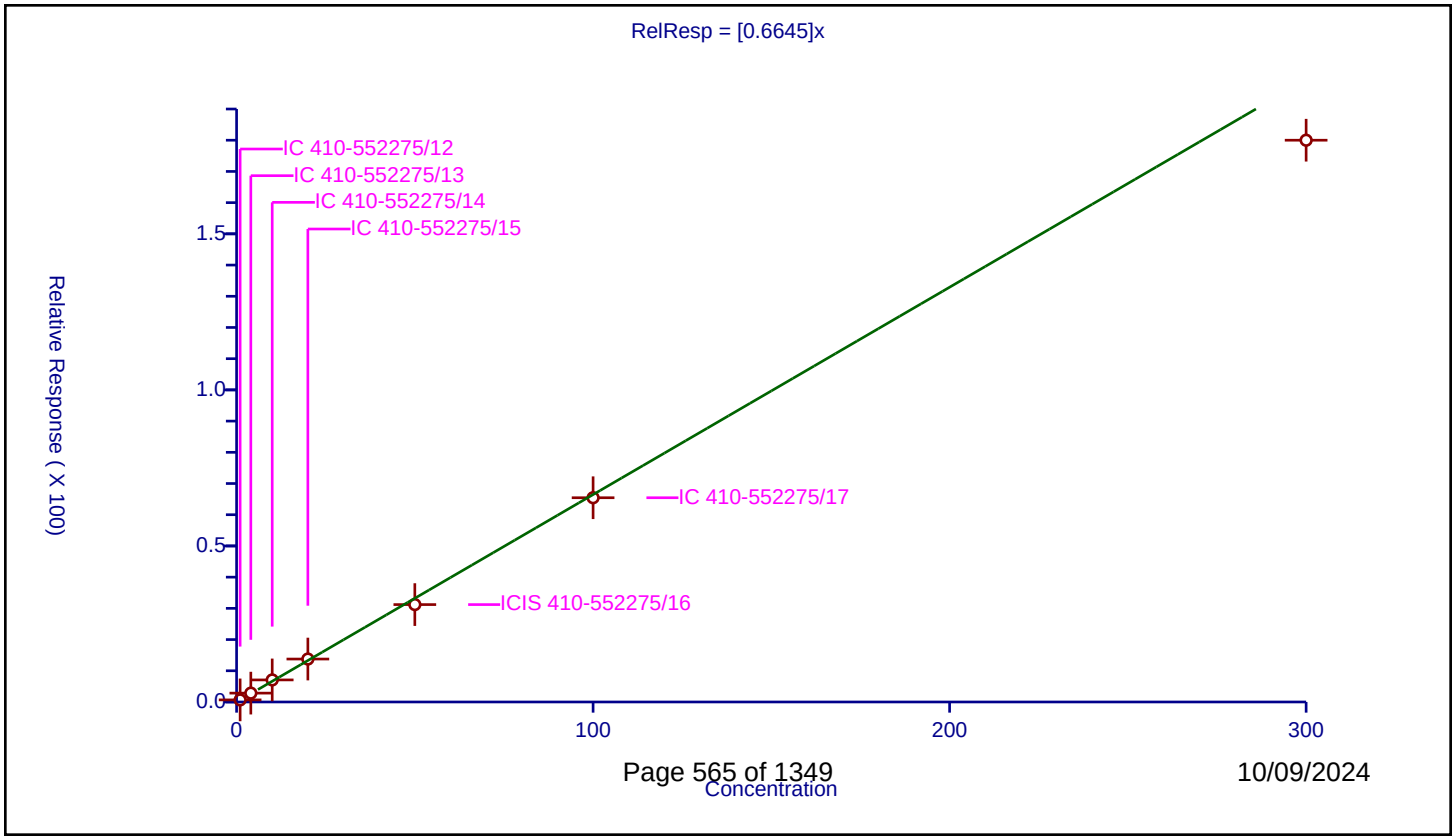
Curve Coefficients

Intercept:	0
Slope:	0.6645

Error Coefficients

Relative Standard Deviation:	6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	1.0	0.668644	50.0	681005.0	0.668644	Y
2	IC 410-552275/13	4.0	2.837173	50.0	684308.0	0.709293	Y
3	IC 410-552275/14	10.0	7.068709	50.0	667293.0	0.706871	Y
4	IC 410-552275/15	20.0	13.762949	50.0	698989.0	0.688147	Y
5	ICIS 410-552275/16	50.0	31.208614	50.0	692719.0	0.624172	Y
6	IC 410-552275/17	100.0	65.449087	50.0	693808.0	0.654491	Y
7	IC 410-552275/18	300.0	180.001866	50.0	755448.0	0.600006	Y



Calibration / Trichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

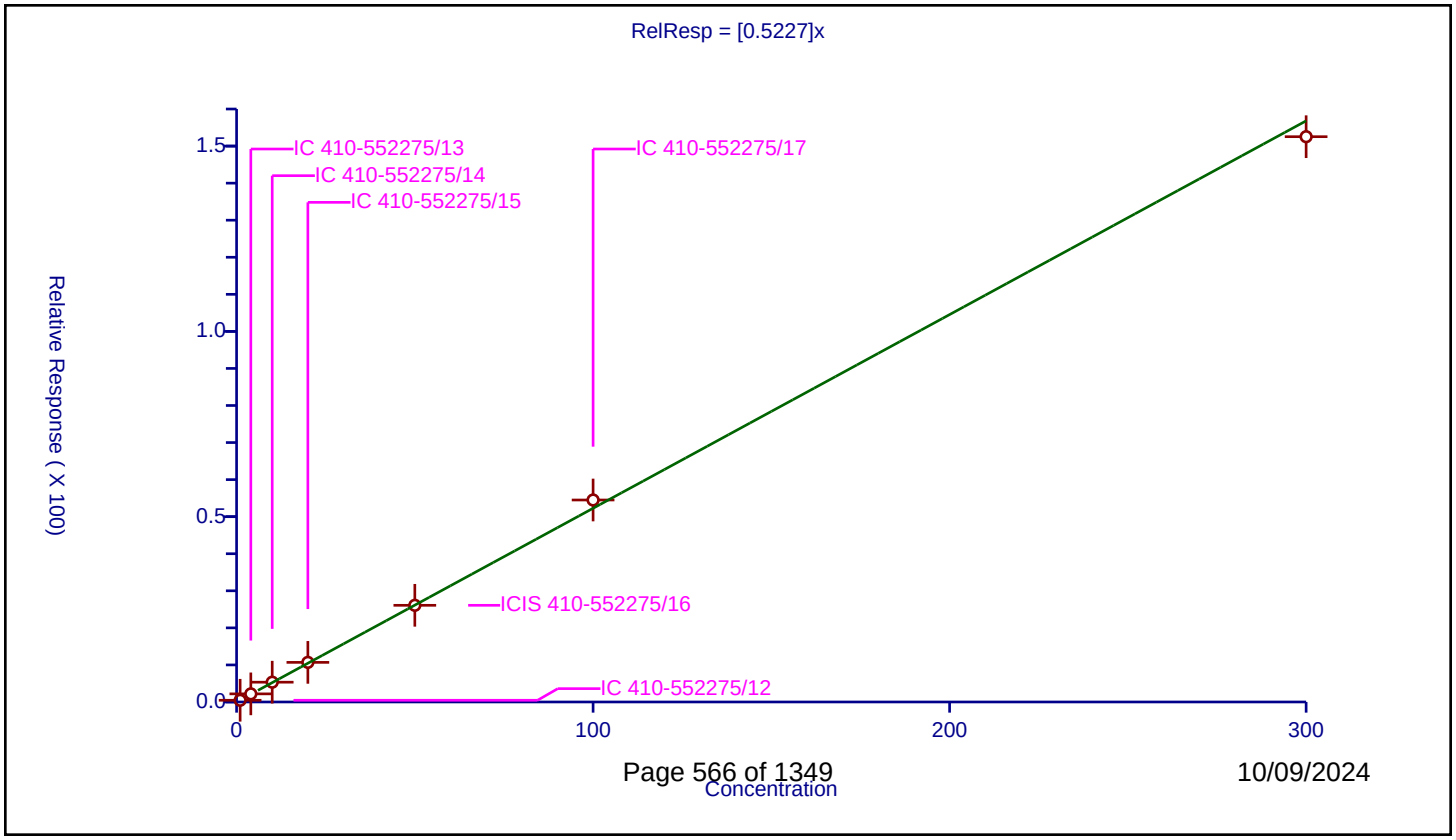
Curve Coefficients

Intercept:	0
Slope:	0.5227

Error Coefficients

Relative Standard Deviation:	5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	1.0	0.467177	50.0	681005.0	0.467177	Y
2	IC 410-552275/13	4.0	2.191192	50.0	684308.0	0.547798	Y
3	IC 410-552275/14	10.0	5.339259	50.0	667293.0	0.533926	Y
4	IC 410-552275/15	20.0	10.691298	50.0	698989.0	0.534565	Y
5	ICIS 410-552275/16	50.0	26.089295	50.0	692719.0	0.521786	Y
6	IC 410-552275/17	100.0	54.503407	50.0	693808.0	0.545034	Y
7	IC 410-552275/18	300.0	152.530088	50.0	755448.0	0.508434	Y



Calibration / Pentane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

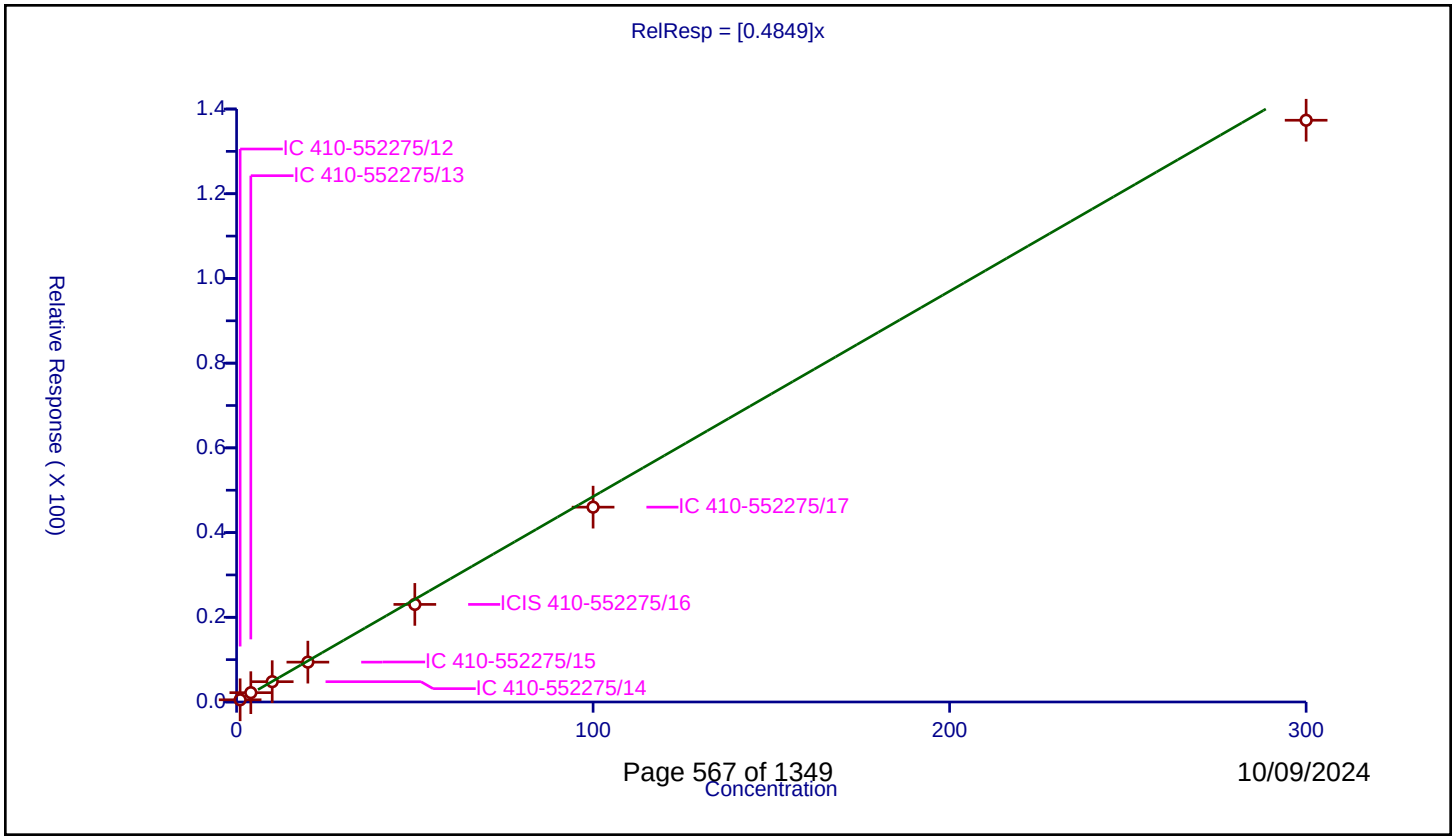
Curve Coefficients

Intercept:	0
Slope:	0.4849

Error Coefficients

Relative Standard Deviation:	7.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	1.0	0.516369	50.0	681005.0	0.516369	Y
2	IC 410-552275/13	4.0	2.198498	50.0	684308.0	0.549625	Y
3	IC 410-552275/14	10.0	4.793921	50.0	667293.0	0.479392	Y
4	IC 410-552275/15	20.0	9.411521	50.0	698989.0	0.470576	Y
5	ICIS 410-552275/16	50.0	23.037841	50.0	692719.0	0.460757	Y
6	IC 410-552275/17	100.0	46.000767	50.0	693808.0	0.460008	Y
7	IC 410-552275/18	300.0	137.350354	50.0	755448.0	0.457835	Y



Calibration / Ethanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

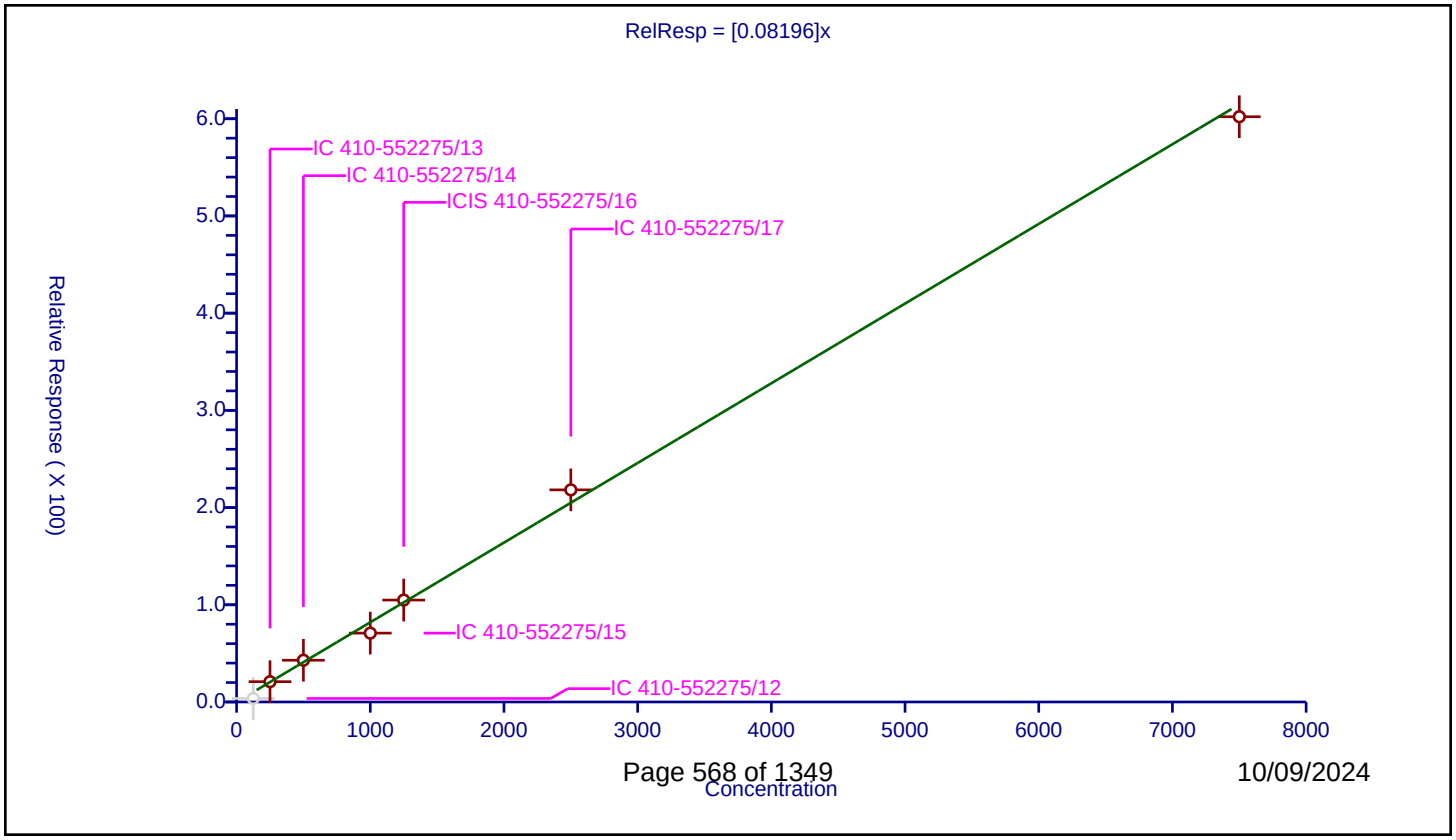
Curve Coefficients

Intercept:	0
Slope:	0.08196

Error Coefficients

Relative Standard Deviation:	7.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	125.004924	3.645413	250.0	291325.0	0.029162	N
2	IC 410-552275/13	250.009848	20.897692	250.0	281299.0	0.083587	Y
3	IC 410-552275/14	500.019696	42.951354	250.0	281359.0	0.085899	Y
4	IC 410-552275/15	1000.039392	70.853048	250.0	288495.0	0.07085	Y
5	ICIS 410-552275/16	1250.04924	104.853711	250.0	281156.0	0.08388	Y
6	IC 410-552275/17	2500.09848	218.224073	250.0	276892.0	0.087286	Y
7	IC 410-552275/18	7500.29544	602.070572	250.0	299724.0	0.080273	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

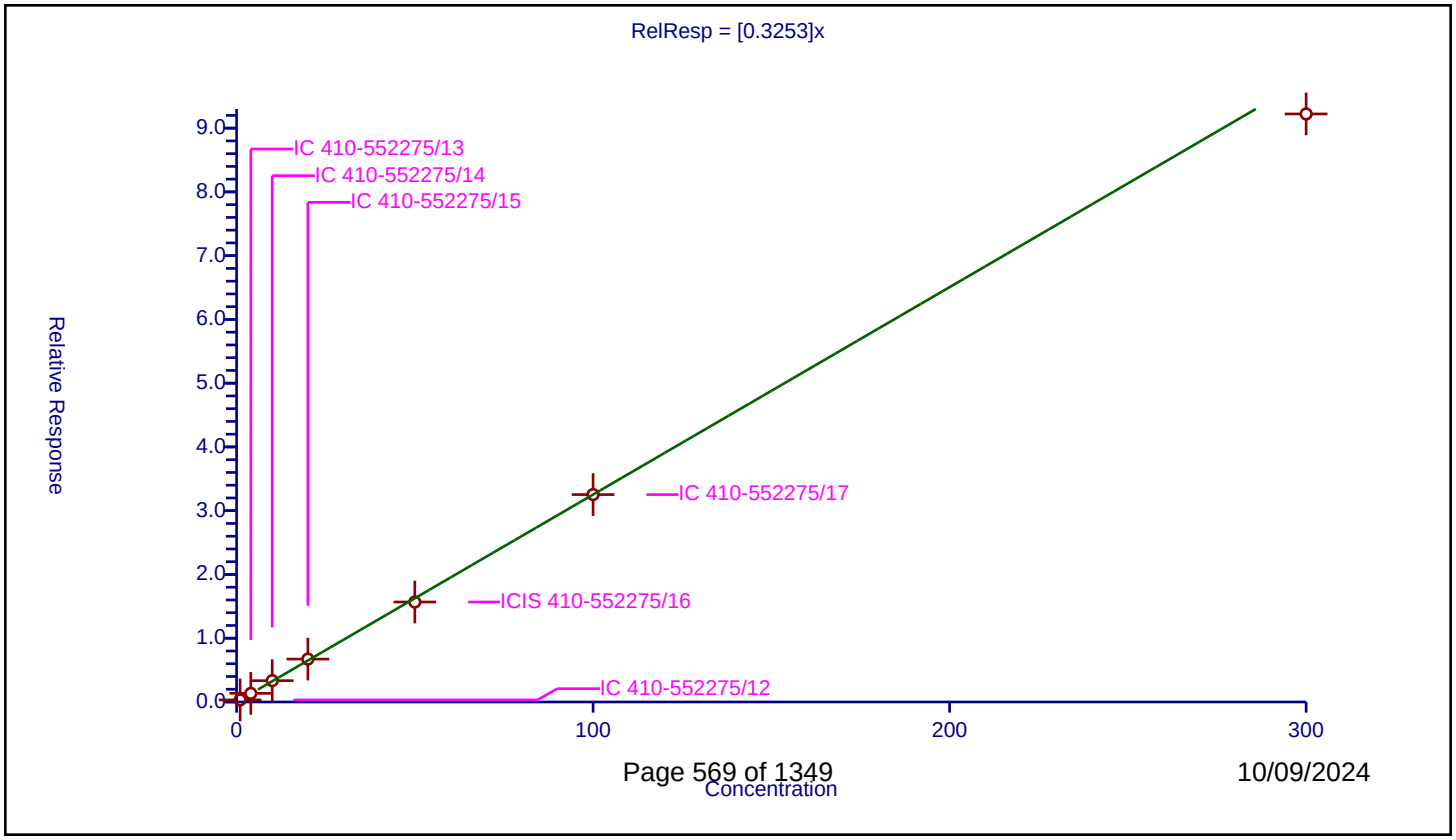
Curve Coefficients

Intercept:	0
Slope:	0.3253

Error Coefficients

Relative Standard Deviation:	3.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	1.0	0.322097	50.0	681005.0	0.322097	Y
2	IC 410-552275/13	4.0	1.352461	50.0	684308.0	0.338115	Y
3	IC 410-552275/14	10.0	3.34216	50.0	667293.0	0.334216	Y
4	IC 410-552275/15	20.0	6.729004	50.0	698989.0	0.33645	Y
5	ICIS 410-552275/16	50.0	15.681106	50.0	692719.0	0.313622	Y
6	IC 410-552275/17	100.0	32.5291	50.0	693808.0	0.325291	Y
7	IC 410-552275/18	300.0	92.226599	50.0	755448.0	0.307422	Y



Calibration / Acrolein

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

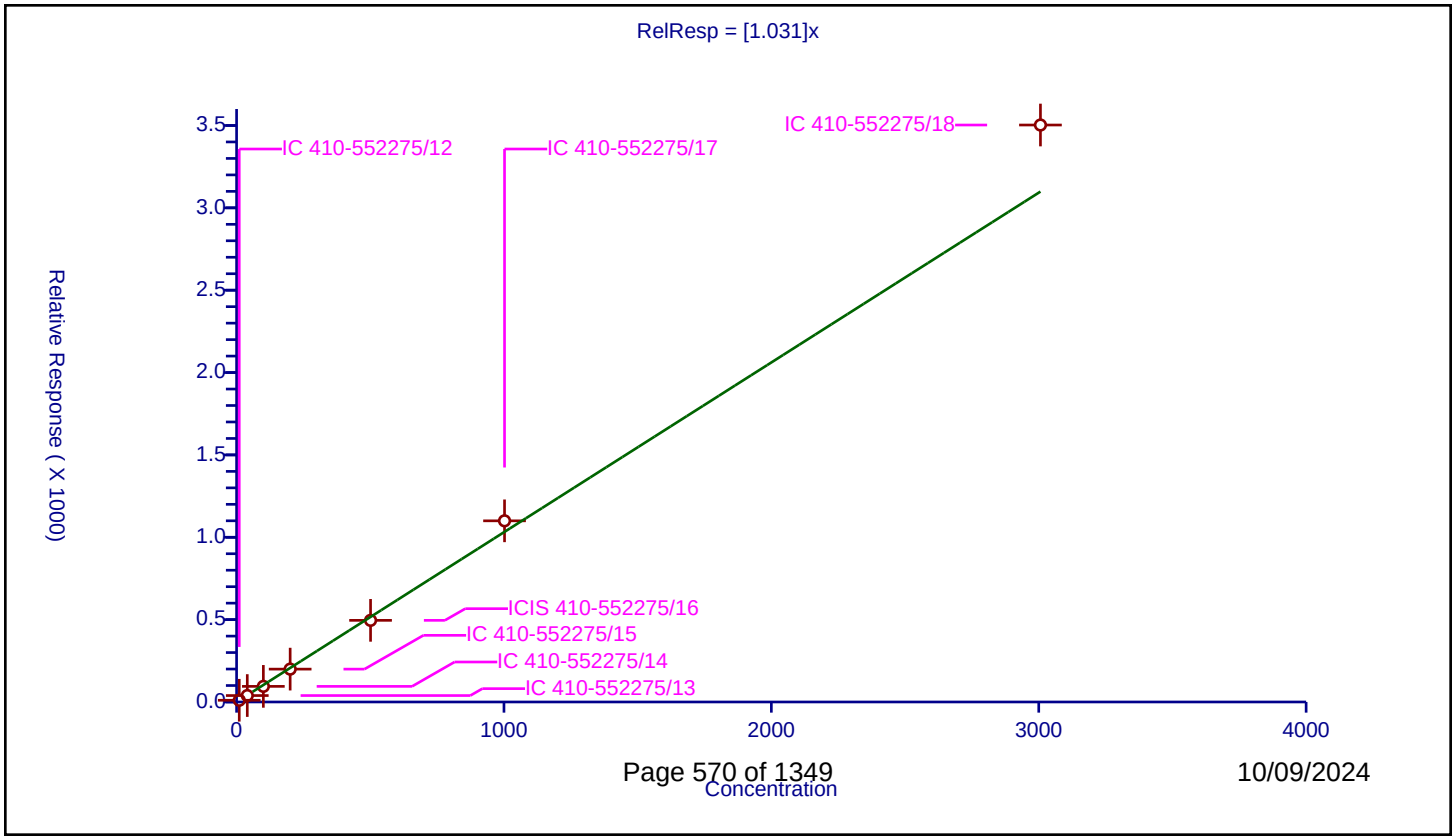
Curve Coefficients

Intercept:	0
Slope:	1.031

Error Coefficients

Relative Standard Deviation:	7.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	10.021319	10.479705	250.0	291325.0	1.045741	Y
2	IC 410-552275/13	40.085275	39.08919	250.0	281299.0	0.975151	Y
3	IC 410-552275/14	100.213188	94.854794	250.0	281359.0	0.94653	Y
4	IC 410-552275/15	200.426375	199.532054	250.0	288495.0	0.995538	Y
5	ICIS 410-552275/16	501.065938	495.562961	250.0	281156.0	0.989017	Y
6	IC 410-552275/17	1002.131876	1099.851206	250.0	276892.0	1.097511	Y
7	IC 410-552275/18	3006.395628	3502.849288	250.0	299724.0	1.165133	Y



Calibration / 1,1-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

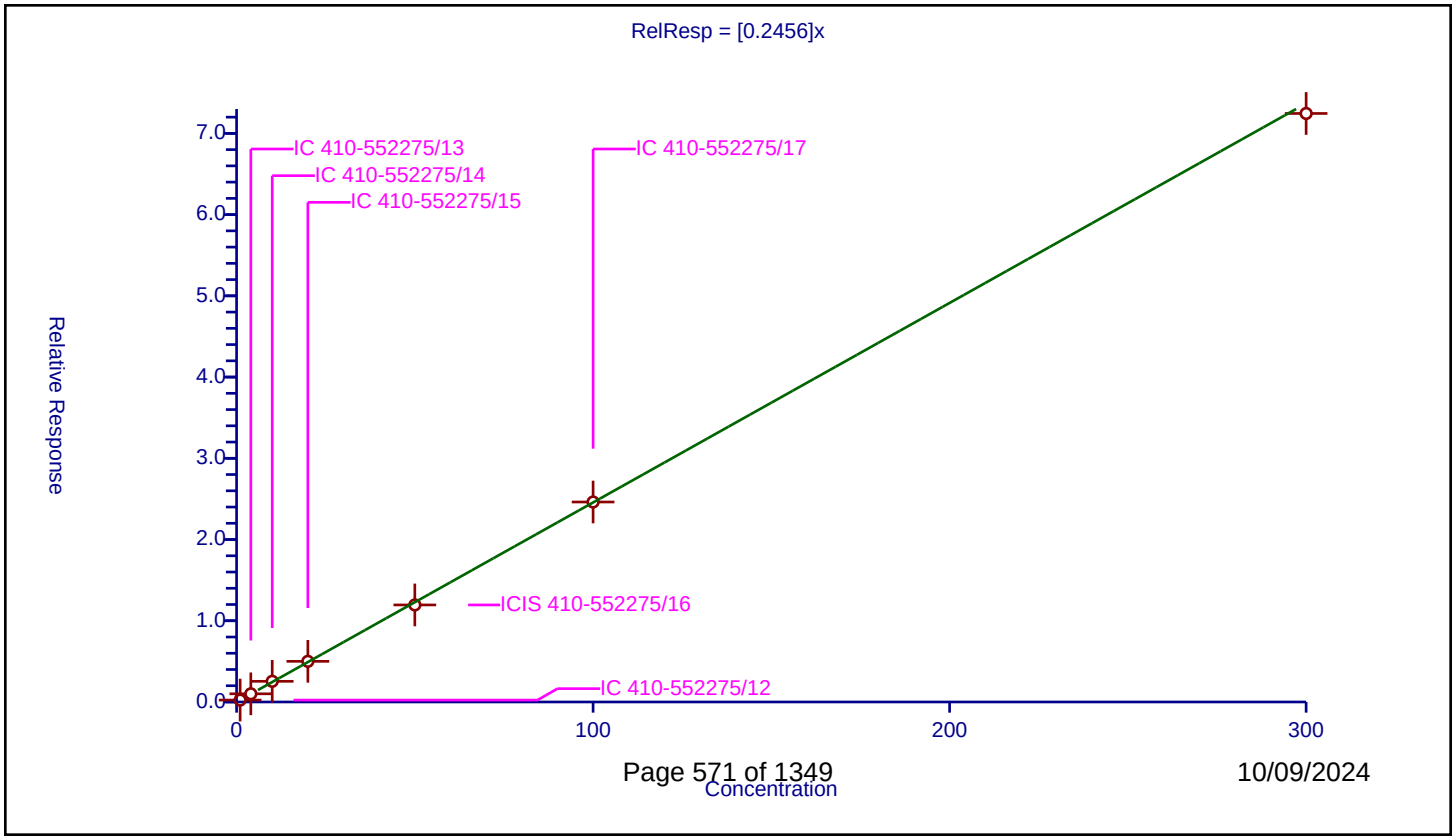
Curve Coefficients

Intercept:	0
Slope:	0.2456

Error Coefficients

Relative Standard Deviation:	2.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	1.0	0.236122	50.0	681005.0	0.236122	Y
2	IC 410-552275/13	4.0	1.007076	50.0	684308.0	0.251769	Y
3	IC 410-552275/14	10.0	2.545583	50.0	667293.0	0.254558	Y
4	IC 410-552275/15	20.0	5.006087	50.0	698989.0	0.250304	Y
5	ICIS 410-552275/16	50.0	11.947702	50.0	692719.0	0.238954	Y
6	IC 410-552275/17	100.0	24.620068	50.0	693808.0	0.246201	Y
7	IC 410-552275/18	300.0	72.450718	50.0	755448.0	0.241502	Y



Calibration / Acetone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

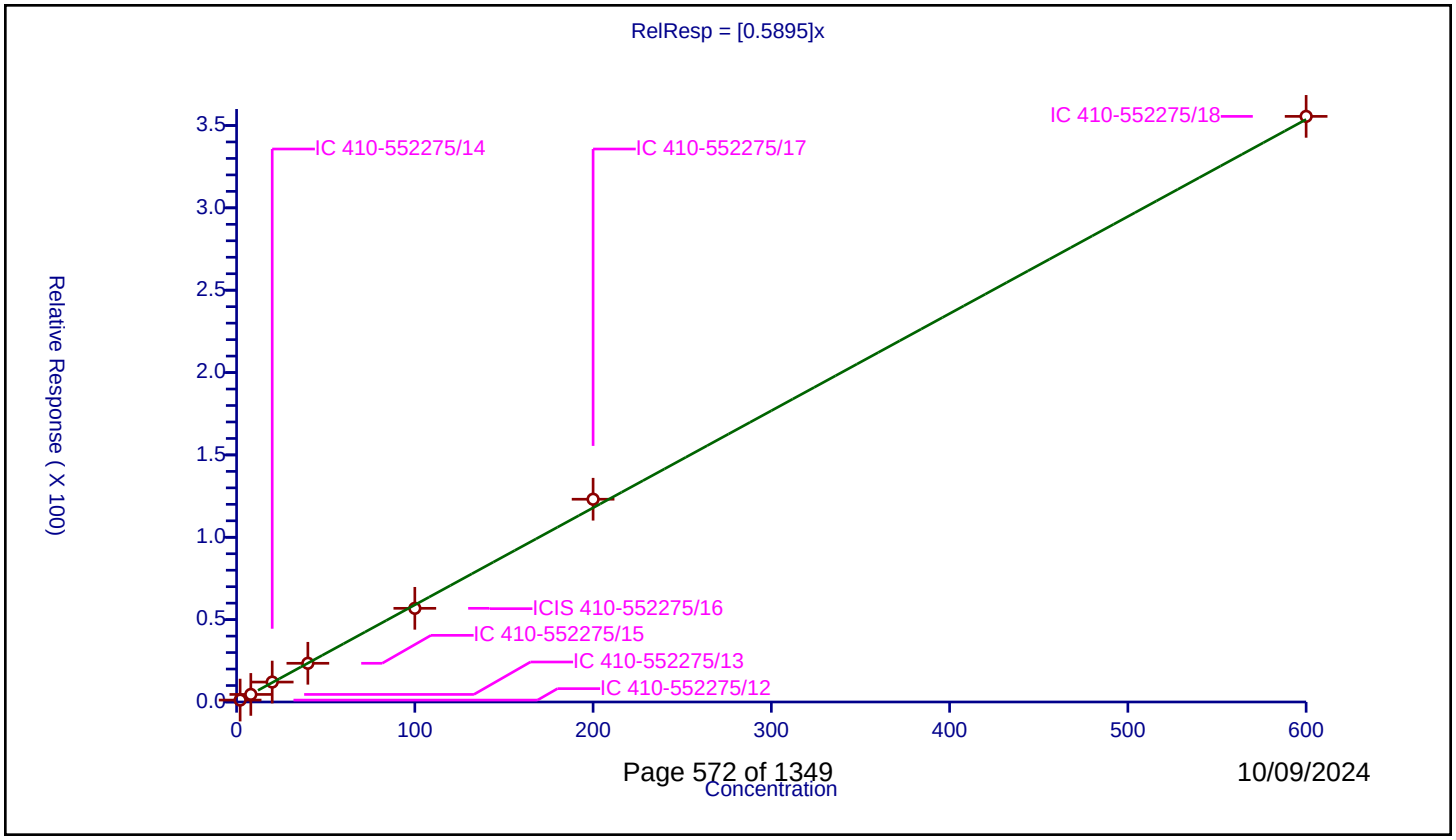
Curve Coefficients

Intercept:	0
Slope:	0.5895

Error Coefficients

Relative Standard Deviation:	2.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	2.0	1.164507	250.0	291325.0	0.582253	Y
2	IC 410-552275/13	8.0	4.595644	250.0	281299.0	0.574455	Y
3	IC 410-552275/14	20.0	12.109085	250.0	281359.0	0.605454	Y
4	IC 410-552275/15	40.0	23.499541	250.0	288495.0	0.587489	Y
5	ICIS 410-552275/16	100.0	56.86256	250.0	281156.0	0.568626	Y
6	IC 410-552275/17	200.0	123.090411	250.0	276892.0	0.615452	Y
7	IC 410-552275/18	600.0	355.535426	250.0	299724.0	0.592559	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

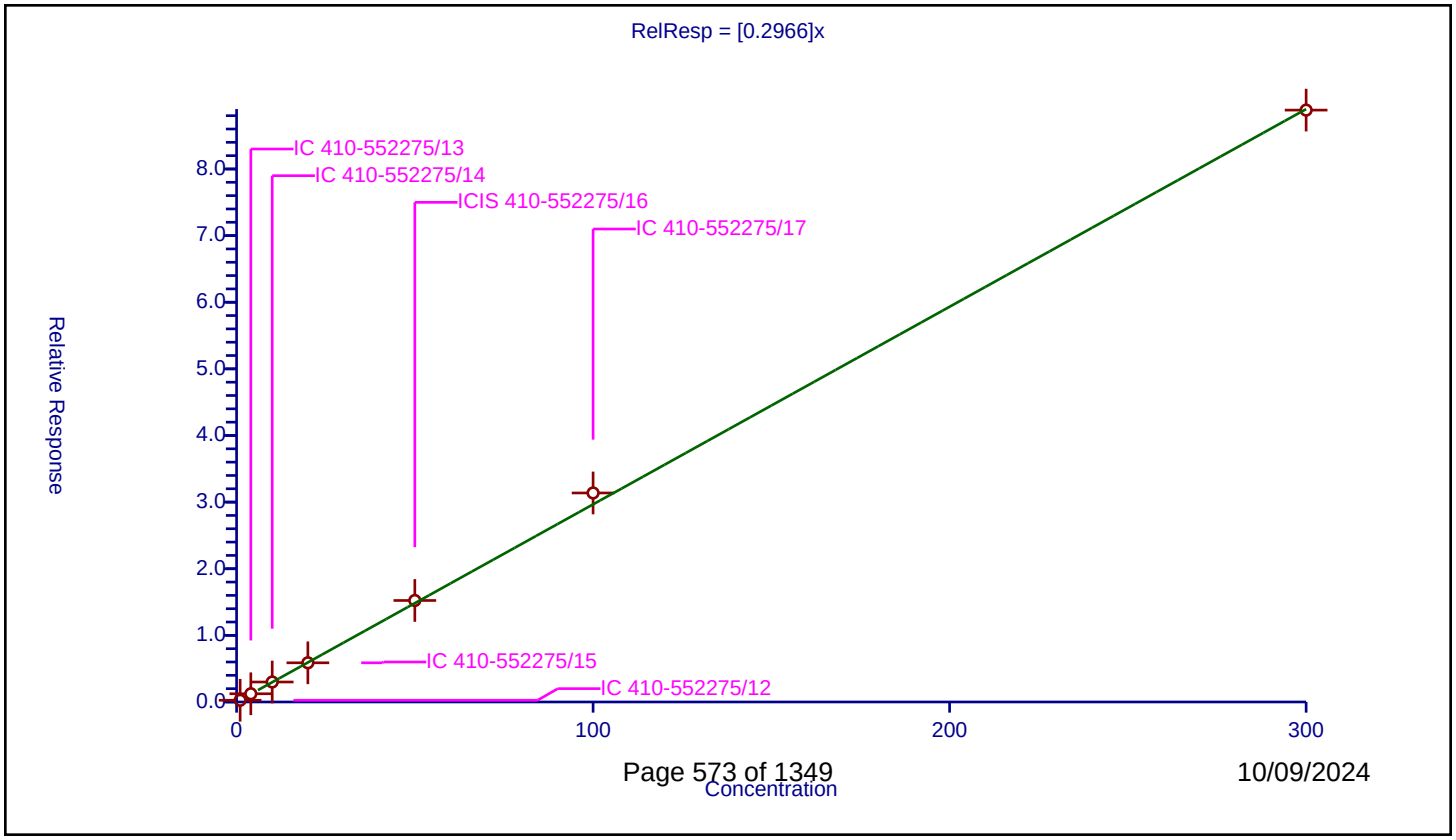
Curve Coefficients

Intercept:	0
Slope:	0.2966

Error Coefficients

Relative Standard Deviation:	6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	1.0	0.258956	50.0	681005.0	0.258956	Y
2	IC 410-552275/13	4.0	1.23402	50.0	684308.0	0.308505	Y
3	IC 410-552275/14	10.0	3.00108	50.0	667293.0	0.300108	Y
4	IC 410-552275/15	20.0	5.883211	50.0	698989.0	0.294161	Y
5	ICIS 410-552275/16	50.0	15.236842	50.0	692719.0	0.304737	Y
6	IC 410-552275/17	100.0	31.372584	50.0	693808.0	0.313726	Y
7	IC 410-552275/18	300.0	88.835962	50.0	755448.0	0.29612	Y



Calibration / Isopropyl alcohol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

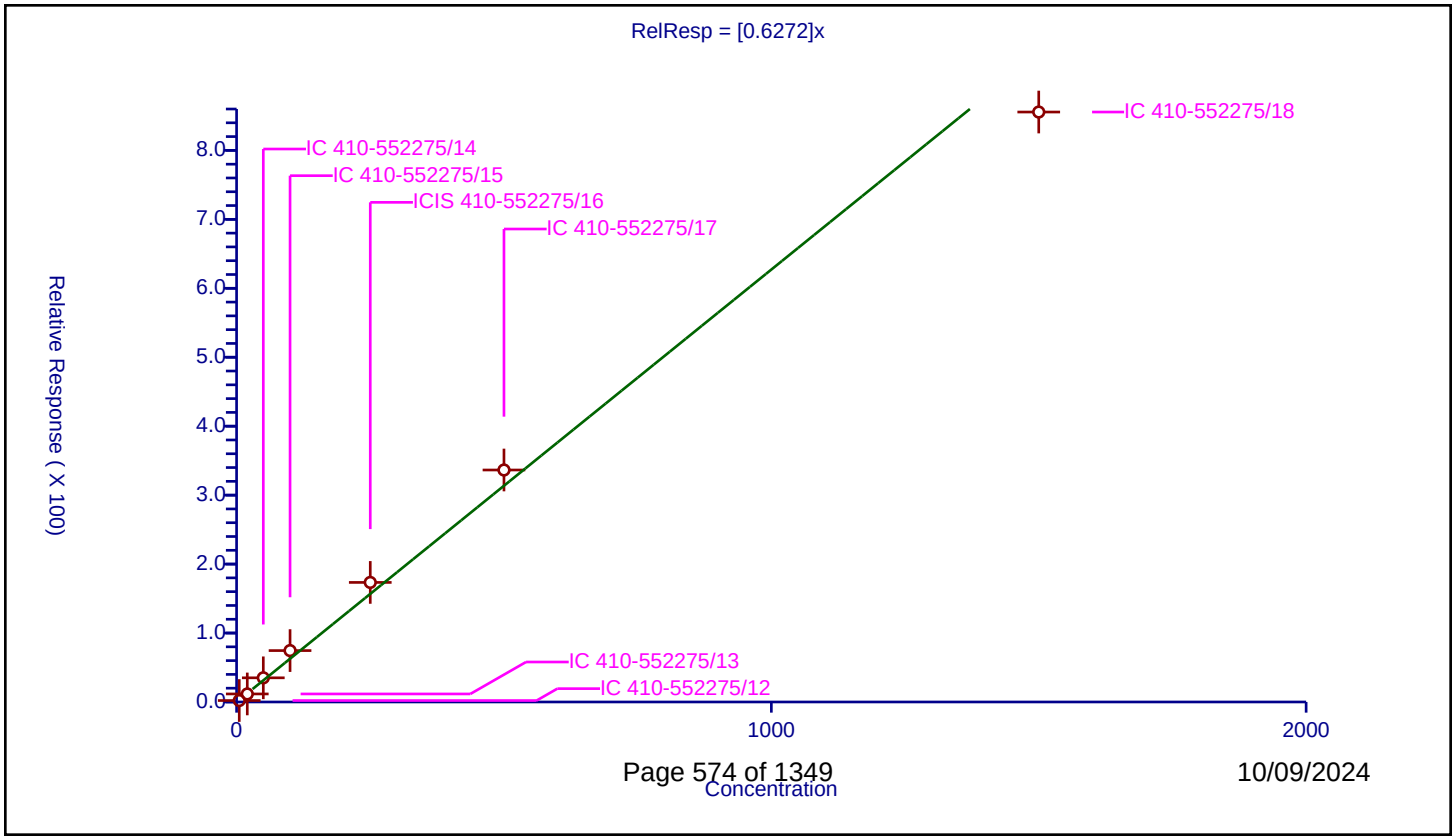
Curve Coefficients

Intercept:	0
Slope:	0.6272

Error Coefficients

Relative Standard Deviation:	17.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	5.0	2.117051	250.0	291325.0	0.42341	Y
2	IC 410-552275/13	20.0	11.653081	250.0	281299.0	0.582654	Y
3	IC 410-552275/14	50.0	35.075295	250.0	281359.0	0.701506	Y
4	IC 410-552275/15	100.0	74.561084	250.0	288495.0	0.745611	Y
5	ICIS 410-552275/16	250.0	173.385949	250.0	281156.0	0.693544	Y
6	IC 410-552275/17	500.0	336.451577	250.0	276892.0	0.672903	Y
7	IC 410-552275/18	1500.0	855.643025	250.0	299724.0	0.570429	Y



Calibration / Iodomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

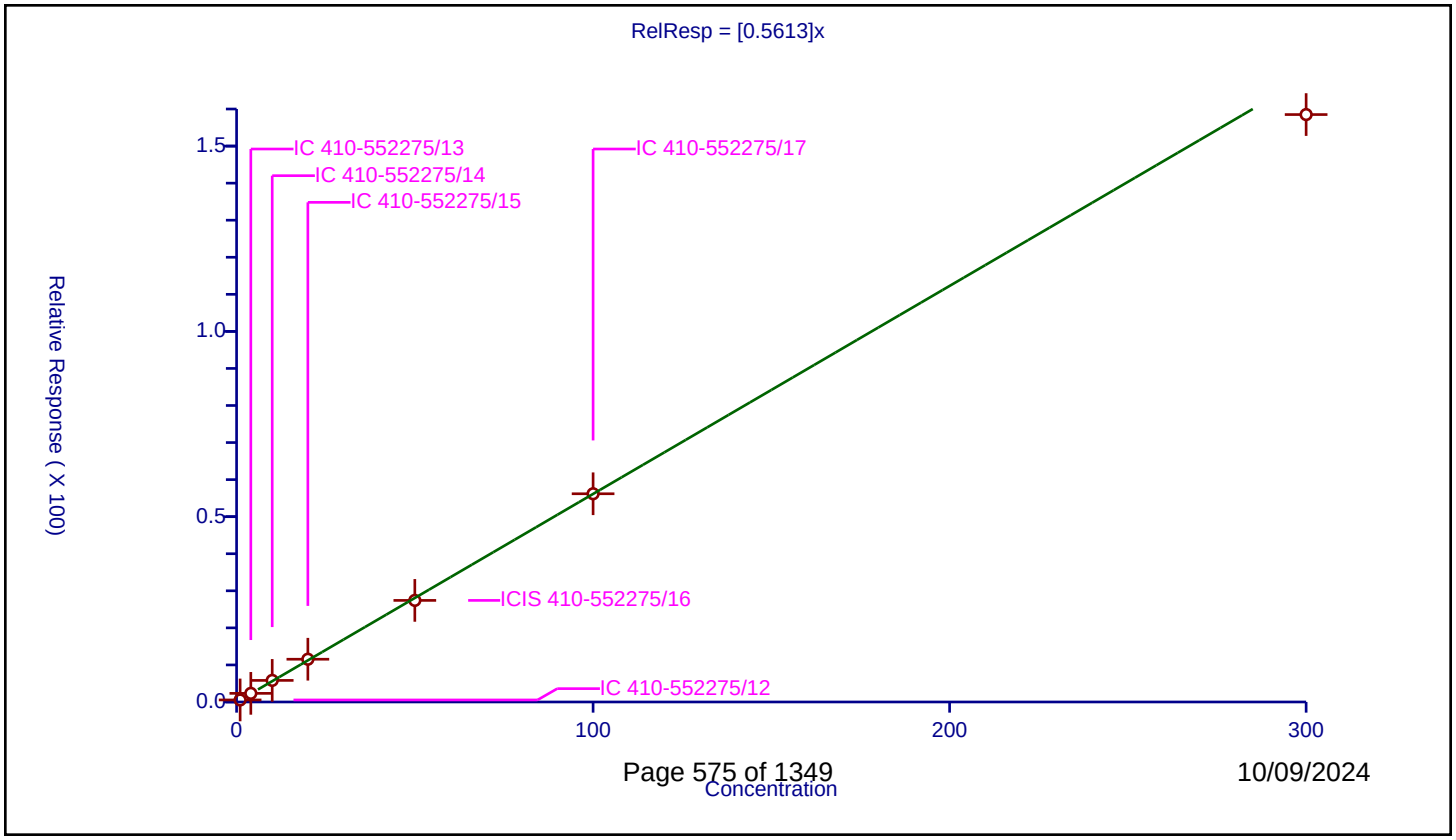
Curve Coefficients

Intercept:	0
Slope:	0.5613

Error Coefficients

Relative Standard Deviation:	3.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	1.0	0.549629	50.0	681005.0	0.549629	Y
2	IC 410-552275/13	4.0	2.32936	50.0	684308.0	0.58234	Y
3	IC 410-552275/14	10.0	5.821805	50.0	667293.0	0.582181	Y
4	IC 410-552275/15	20.0	11.534731	50.0	698989.0	0.576737	Y
5	ICIS 410-552275/16	50.0	27.409527	50.0	692719.0	0.548191	Y
6	IC 410-552275/17	100.0	56.185285	50.0	693808.0	0.561853	Y
7	IC 410-552275/18	300.0	158.501909	50.0	755448.0	0.52834	Y



Calibration / Carbon disulfide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

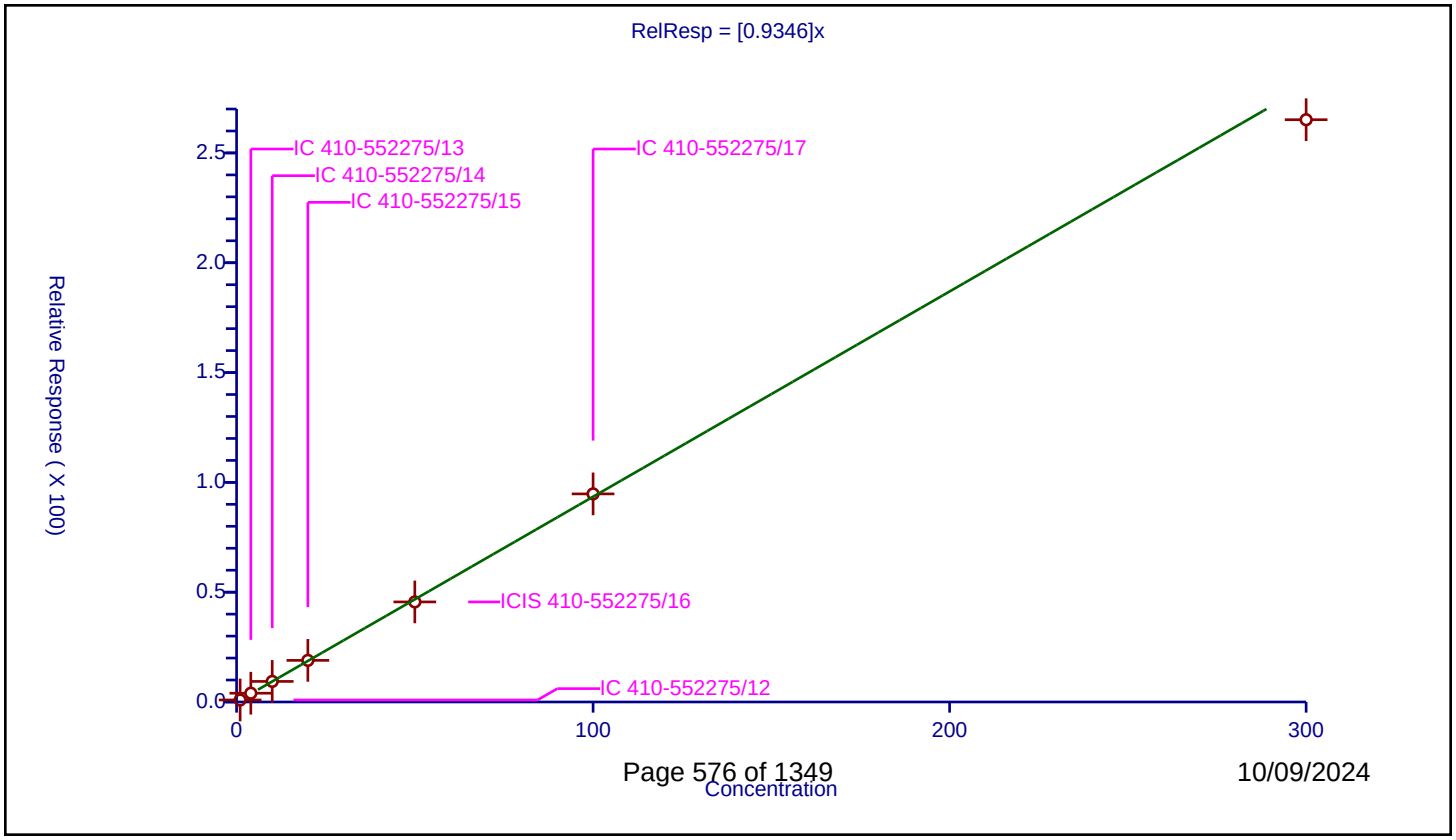
Curve Coefficients

Intercept:	0
Slope:	0.9346

Error Coefficients

Relative Standard Deviation:	3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	1.0	0.915779	50.0	681005.0	0.915779	Y
2	IC 410-552275/13	4.0	3.996738	50.0	684308.0	0.999185	Y
3	IC 410-552275/14	10.0	9.372495	50.0	667293.0	0.937249	Y
4	IC 410-552275/15	20.0	18.949726	50.0	698989.0	0.947486	Y
5	ICIS 410-552275/16	50.0	45.566817	50.0	692719.0	0.911336	Y
6	IC 410-552275/17	100.0	94.753015	50.0	693808.0	0.94753	Y
7	IC 410-552275/18	300.0	265.131882	50.0	755448.0	0.883773	Y



Calibration / Methyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

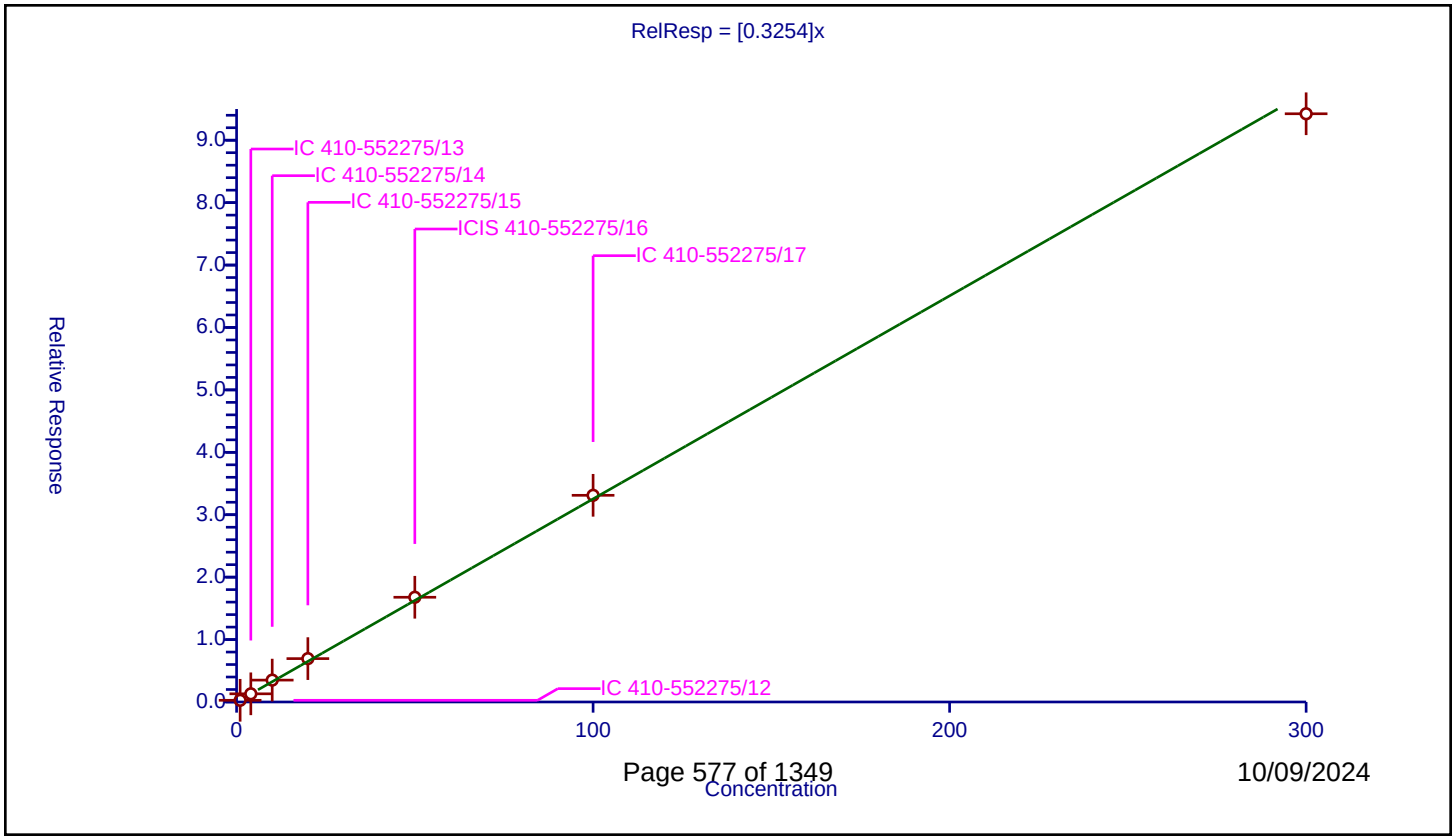
Curve Coefficients

Intercept:	0
Slope:	0.3254

Error Coefficients

Relative Standard Deviation:	8.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	1.0	0.270776	50.0	681005.0	0.270776	Y
2	IC 410-552275/13	4.0	1.311398	50.0	684308.0	0.327849	Y
3	IC 410-552275/14	10.0	3.506705	50.0	667293.0	0.350671	Y
4	IC 410-552275/15	20.0	6.947534	50.0	698989.0	0.347377	Y
5	ICIS 410-552275/16	50.0	16.777582	50.0	692719.0	0.335552	Y
6	IC 410-552275/17	100.0	33.110313	50.0	693808.0	0.331103	Y
7	IC 410-552275/18	300.0	94.239048	50.0	755448.0	0.31413	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

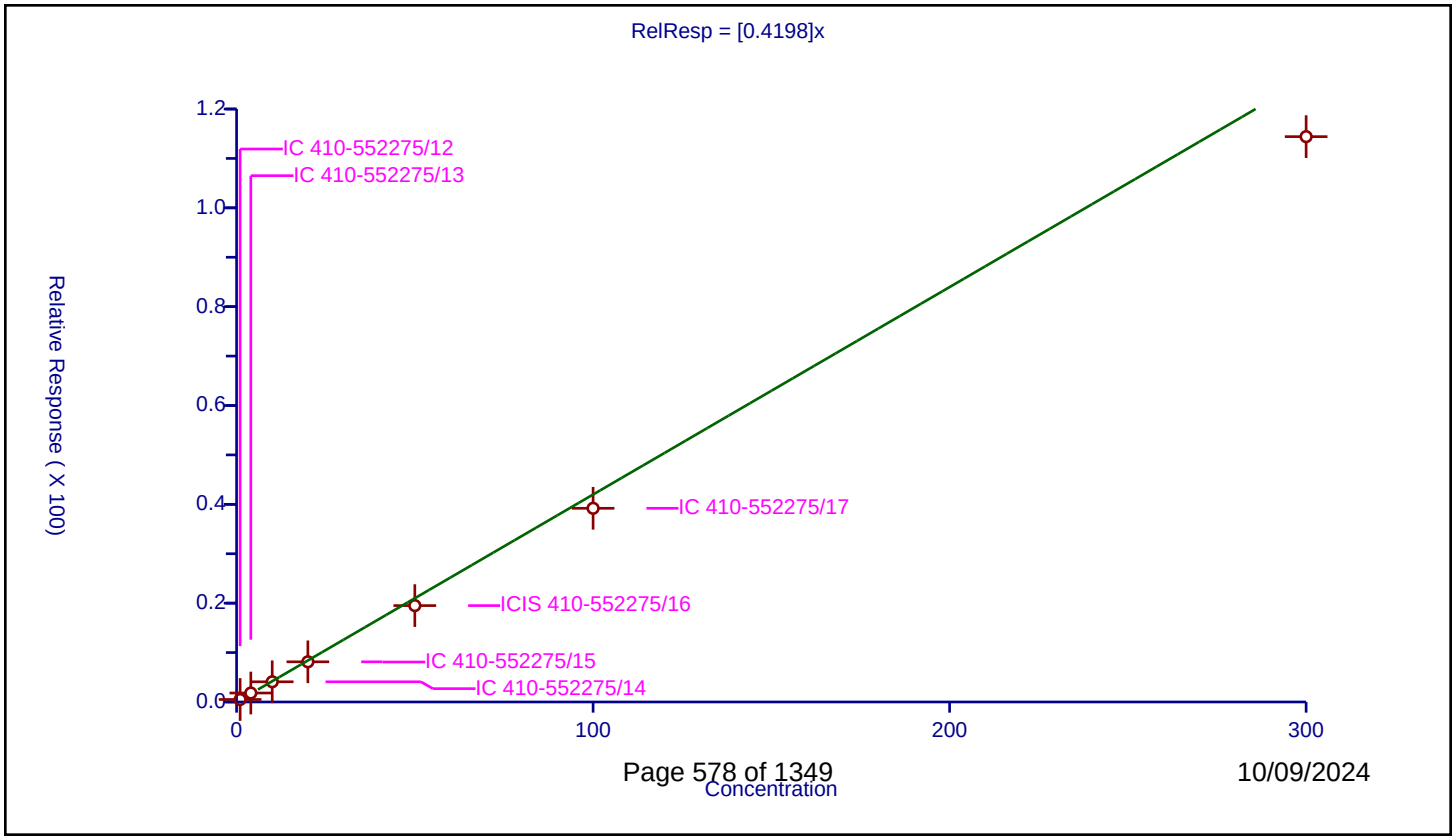
Curve Coefficients

Intercept:	0
Slope:	0.4198

Error Coefficients

Relative Standard Deviation:	10.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	1.0	0.505723	50.0	681005.0	0.505723	Y
2	IC 410-552275/13	4.0	1.818041	50.0	684308.0	0.45451	Y
3	IC 410-552275/14	10.0	4.085911	50.0	667293.0	0.408591	Y
4	IC 410-552275/15	20.0	8.131387	50.0	698989.0	0.406569	Y
5	ICIS 410-552275/16	50.0	19.507116	50.0	692719.0	0.390142	Y
6	IC 410-552275/17	100.0	39.196219	50.0	693808.0	0.391962	Y
7	IC 410-552275/18	300.0	114.406816	50.0	755448.0	0.381356	Y



Calibration / Methylene Chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

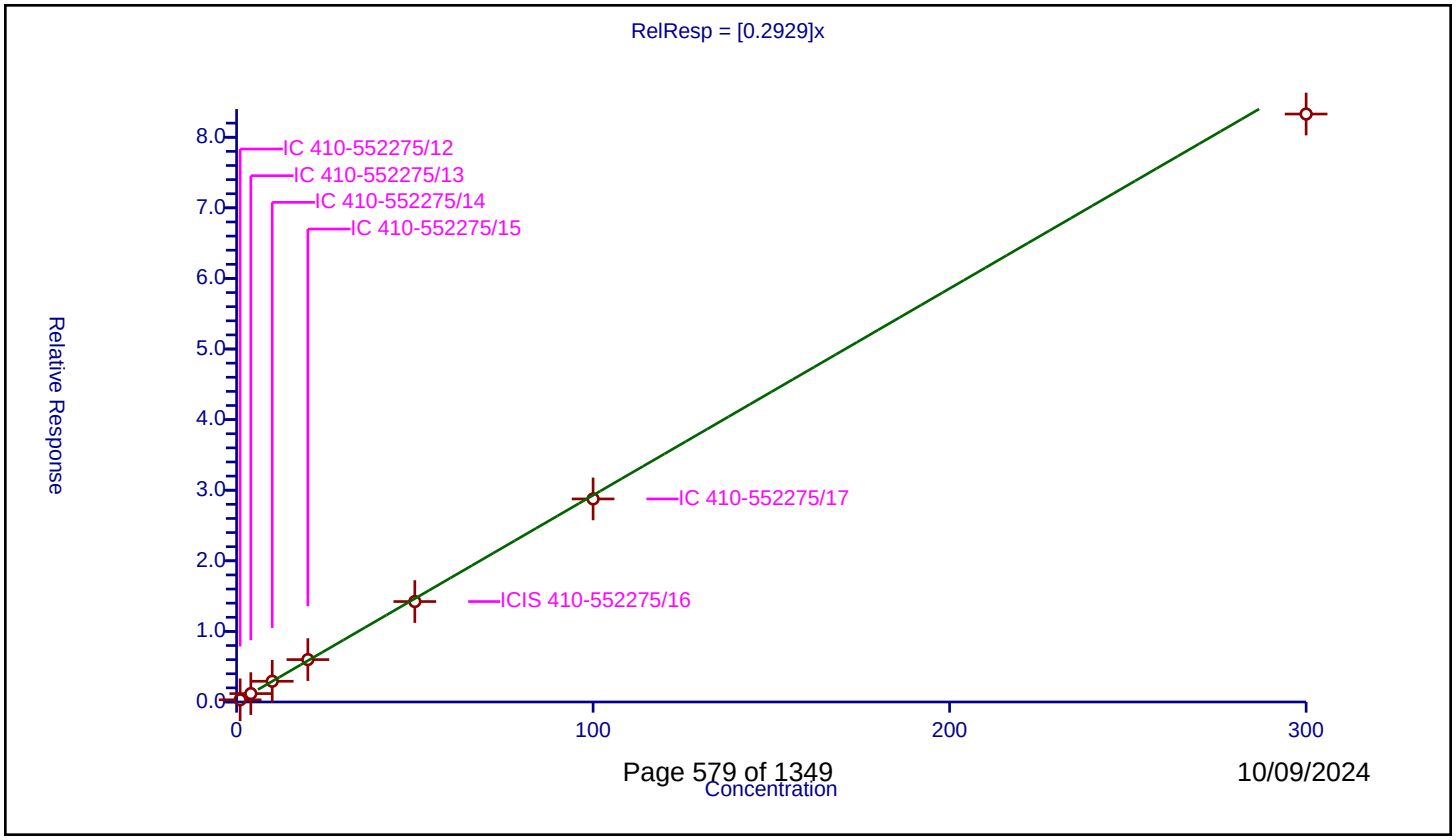
Curve Coefficients

Intercept:	0
Slope:	0.2929

Error Coefficients

Relative Standard Deviation:	3.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	1.0	0.309029	50.0	681005.0	0.309029	Y
2	IC 410-552275/13	4.0	1.189231	50.0	684308.0	0.297308	Y
3	IC 410-552275/14	10.0	2.935967	50.0	667293.0	0.293597	Y
4	IC 410-552275/15	20.0	6.005674	50.0	698989.0	0.300284	Y
5	ICIS 410-552275/16	50.0	14.229796	50.0	692719.0	0.284596	Y
6	IC 410-552275/17	100.0	28.763361	50.0	693808.0	0.287634	Y
7	IC 410-552275/18	300.0	83.290246	50.0	755448.0	0.277634	Y



Calibration / 2-Methyl-2-propanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

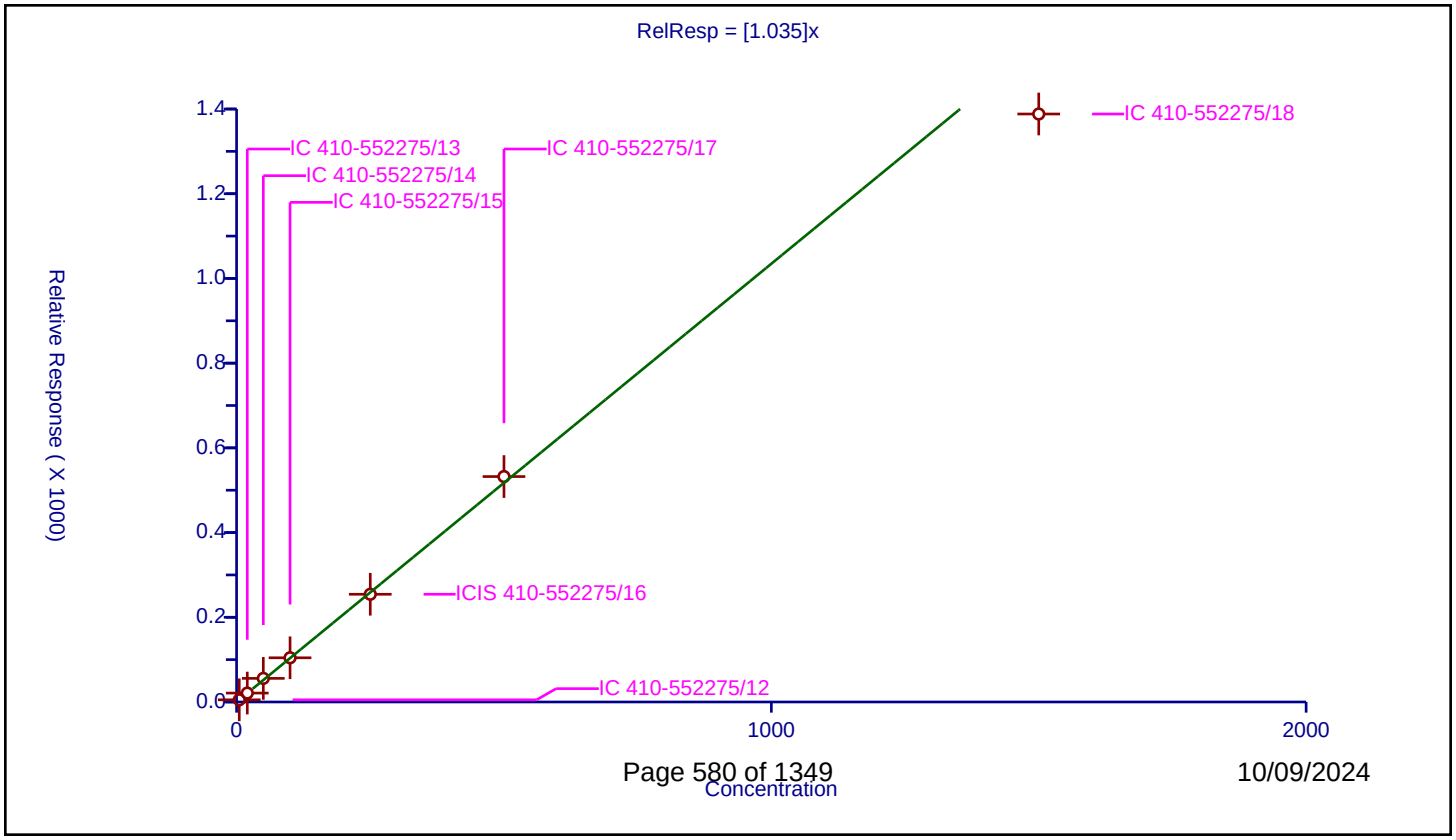
Curve Coefficients

Intercept:	0
Slope:	1.035

Error Coefficients

Relative Standard Deviation:	5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	5.0	5.119712	250.0	291325.0	1.023942	Y
2	IC 410-552275/13	20.0	21.069218	250.0	281299.0	1.053461	Y
3	IC 410-552275/14	50.0	55.726847	250.0	281359.0	1.114537	Y
4	IC 410-552275/15	100.0	104.359694	250.0	288495.0	1.043597	Y
5	ICIS 410-552275/16	250.0	254.340117	250.0	281156.0	1.01736	Y
6	IC 410-552275/17	500.0	532.24723	250.0	276892.0	1.064494	Y
7	IC 410-552275/18	1500.0	1388.239681	250.0	299724.0	0.925493	Y



Calibration / Acrylonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

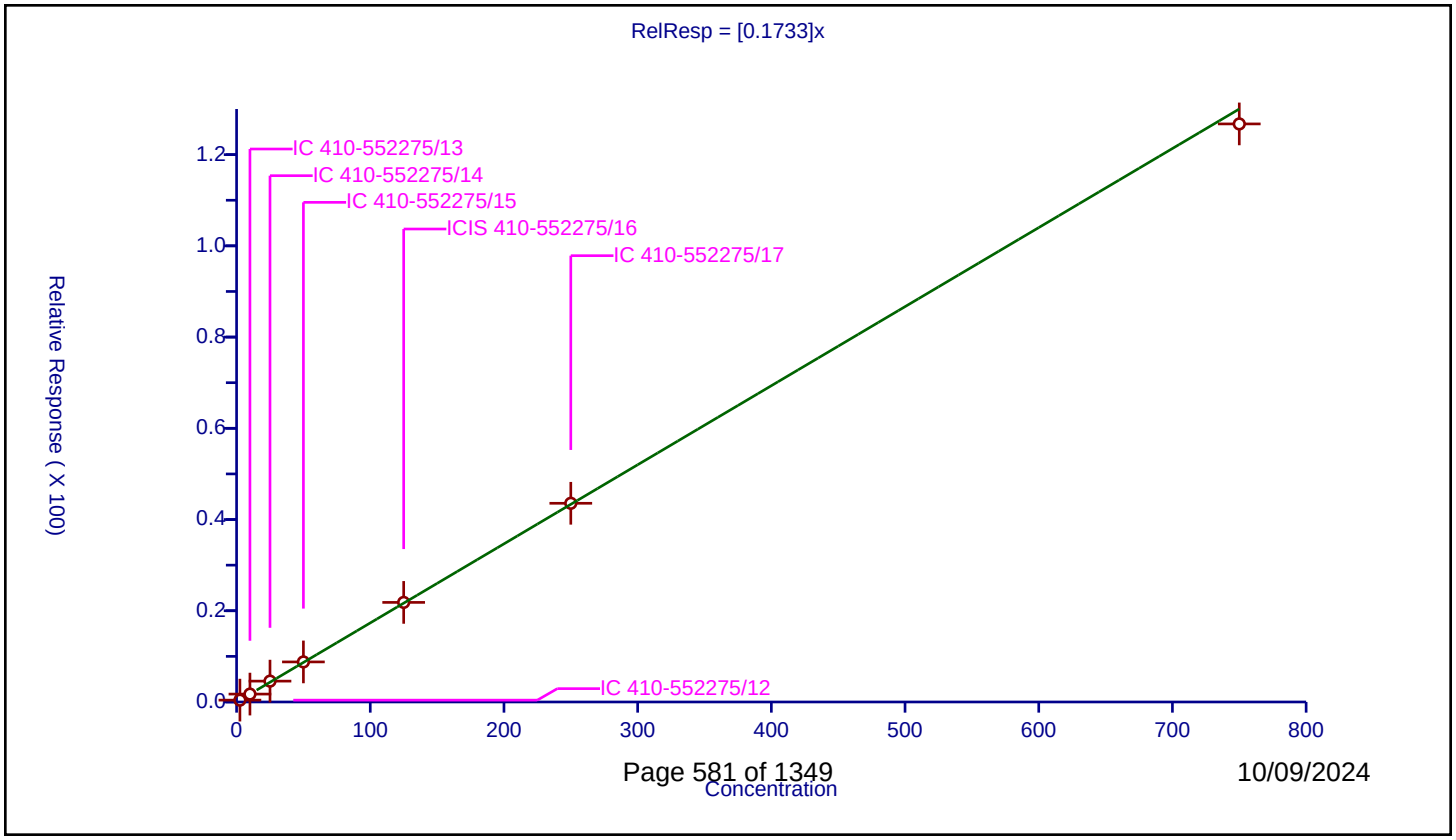
Curve Coefficients

Intercept:	0
Slope:	0.1733

Error Coefficients

Relative Standard Deviation:	3.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	2.5	0.408808	50.0	681005.0	0.163523	Y
2	IC 410-552275/13	10.0	1.733576	50.0	684308.0	0.173358	Y
3	IC 410-552275/14	25.0	4.573928	50.0	667293.0	0.182957	Y
4	IC 410-552275/15	50.0	8.782613	50.0	698989.0	0.175652	Y
5	ICIS 410-552275/16	125.0	21.833601	50.0	692719.0	0.174669	Y
6	IC 410-552275/17	250.0	43.563709	50.0	693808.0	0.174255	Y
7	IC 410-552275/18	750.0	126.730232	50.0	755448.0	0.168974	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

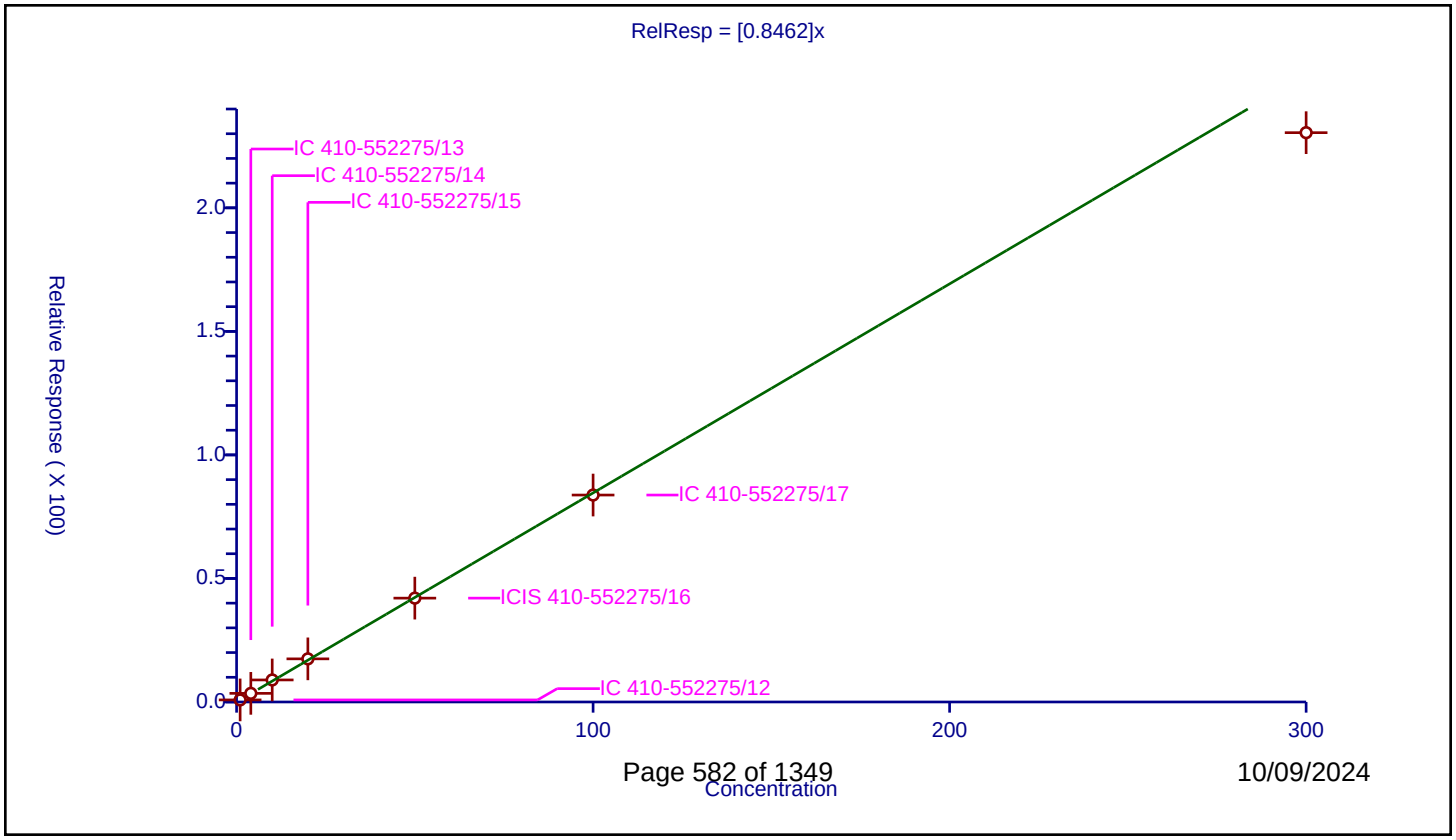
Curve Coefficients

Intercept:	0
Slope:	0.8462

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	1.0	0.8381	50.0	681005.0	0.8381	Y
2	IC 410-552275/13	4.0	3.492872	50.0	684308.0	0.873218	Y
3	IC 410-552275/14	10.0	8.922617	50.0	667293.0	0.892262	Y
4	IC 410-552275/15	20.0	17.463007	50.0	698989.0	0.87315	Y
5	ICIS 410-552275/16	50.0	42.035443	50.0	692719.0	0.840709	Y
6	IC 410-552275/17	100.0	83.758547	50.0	693808.0	0.837585	Y
7	IC 410-552275/18	300.0	230.42903	50.0	755448.0	0.768097	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

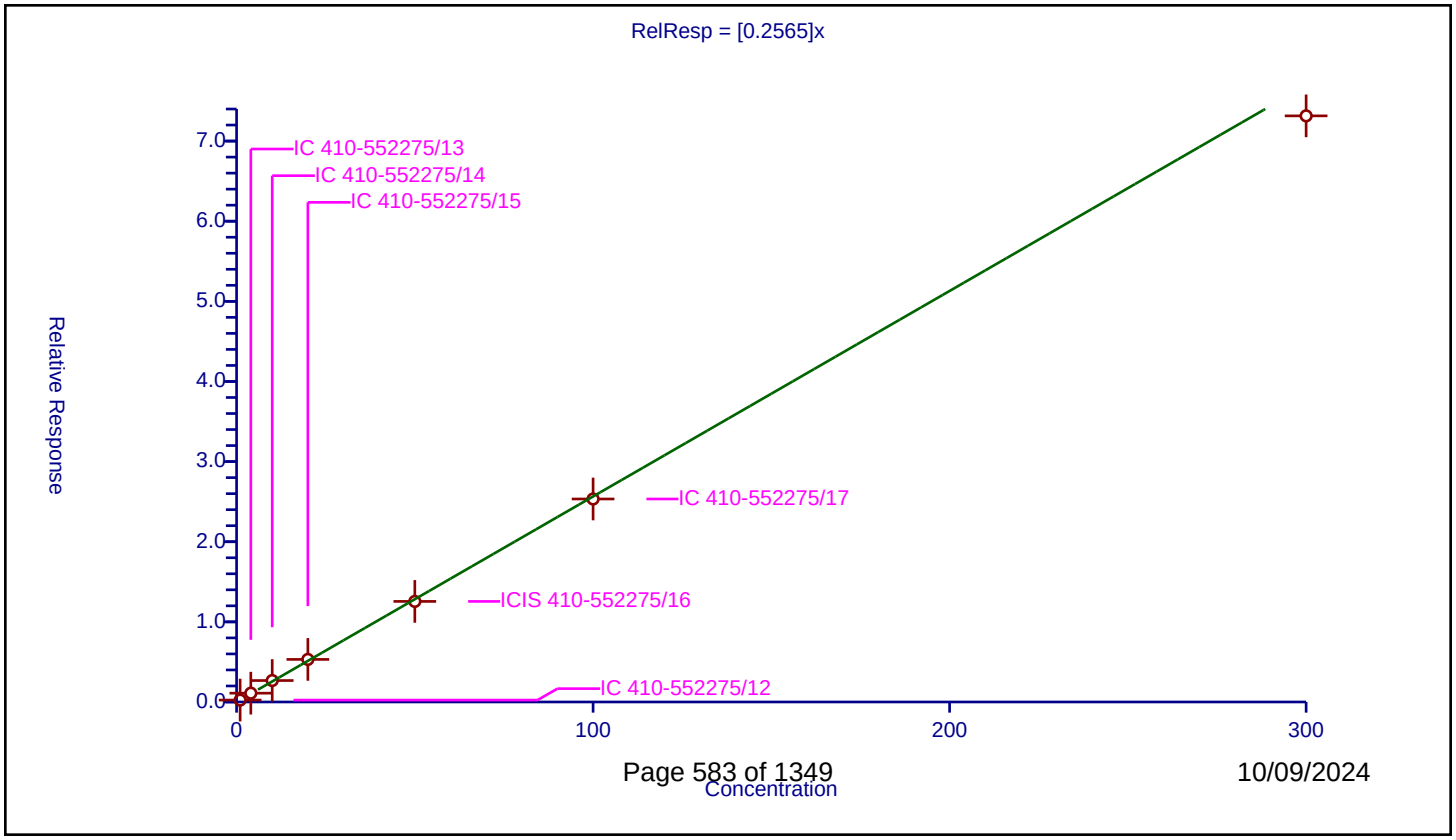
Curve Coefficients

Intercept:	0
Slope:	0.2565

Error Coefficients

Relative Standard Deviation:	5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	1.0	0.238471	50.0	681005.0	0.238471	Y
2	IC 410-552275/13	4.0	1.101332	50.0	684308.0	0.275333	Y
3	IC 410-552275/14	10.0	2.67701	50.0	667293.0	0.267701	Y
4	IC 410-552275/15	20.0	5.312601	50.0	698989.0	0.26563	Y
5	ICIS 410-552275/16	50.0	12.552204	50.0	692719.0	0.251044	Y
6	IC 410-552275/17	100.0	25.333378	50.0	693808.0	0.253334	Y
7	IC 410-552275/18	300.0	73.144611	50.0	755448.0	0.243815	Y



Calibration / Hexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

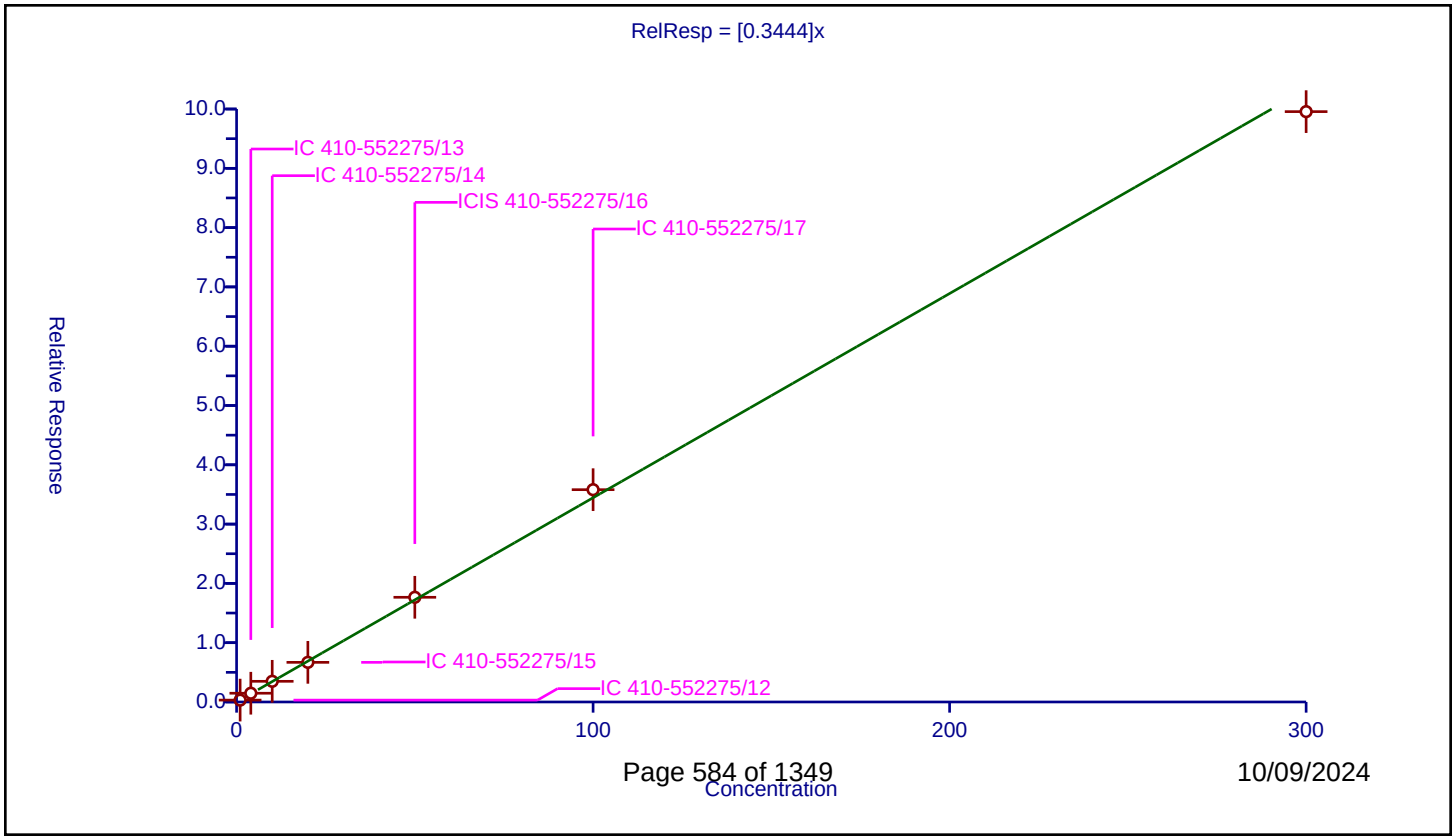
Curve Coefficients

Intercept:	0
Slope:	0.3444

Error Coefficients

Relative Standard Deviation:	5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	1.0	0.315783	50.0	681005.0	0.315783	Y
2	IC 410-552275/13	4.0	1.476747	50.0	684308.0	0.369187	Y
3	IC 410-552275/14	10.0	3.488198	50.0	667293.0	0.34882	Y
4	IC 410-552275/15	20.0	6.683081	50.0	698989.0	0.334154	Y
5	ICIS 410-552275/16	50.0	17.659614	50.0	692719.0	0.353192	Y
6	IC 410-552275/17	100.0	35.8027	50.0	693808.0	0.358027	Y
7	IC 410-552275/18	300.0	99.557481	50.0	755448.0	0.331858	Y



Calibration / 1,1-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

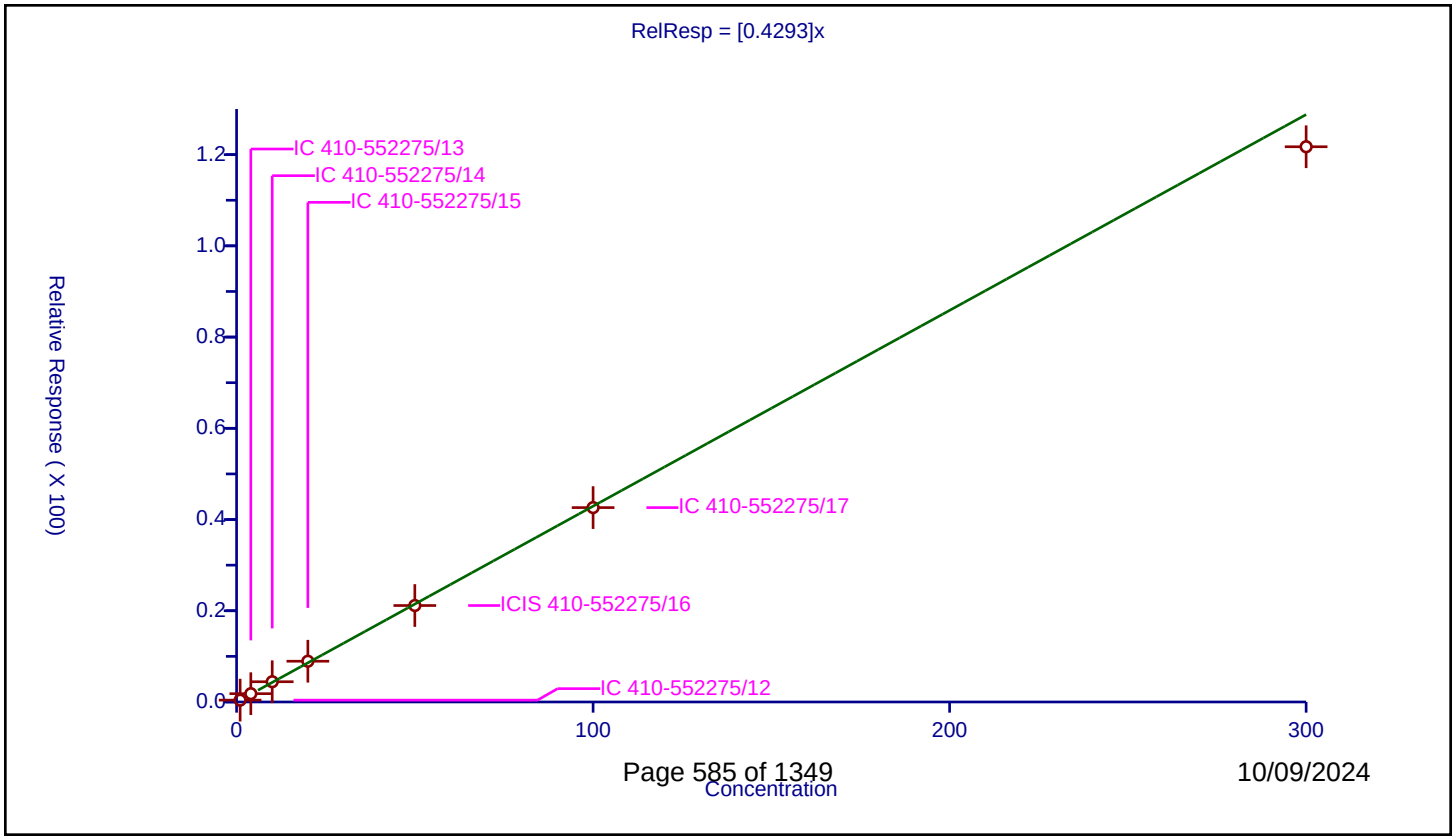
Curve Coefficients

Intercept:	0
Slope:	0.4293

Error Coefficients

Relative Standard Deviation:	4.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	1.0	0.404329	50.0	681005.0	0.404329	Y
2	IC 410-552275/13	4.0	1.820525	50.0	684308.0	0.455131	Y
3	IC 410-552275/14	10.0	4.437856	50.0	667293.0	0.443786	Y
4	IC 410-552275/15	20.0	8.936049	50.0	698989.0	0.446802	Y
5	ICIS 410-552275/16	50.0	21.147897	50.0	692719.0	0.422958	Y
6	IC 410-552275/17	100.0	42.617987	50.0	693808.0	0.42618	Y
7	IC 410-552275/18	300.0	121.72863	50.0	755448.0	0.405762	Y



Calibration / Isopropyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

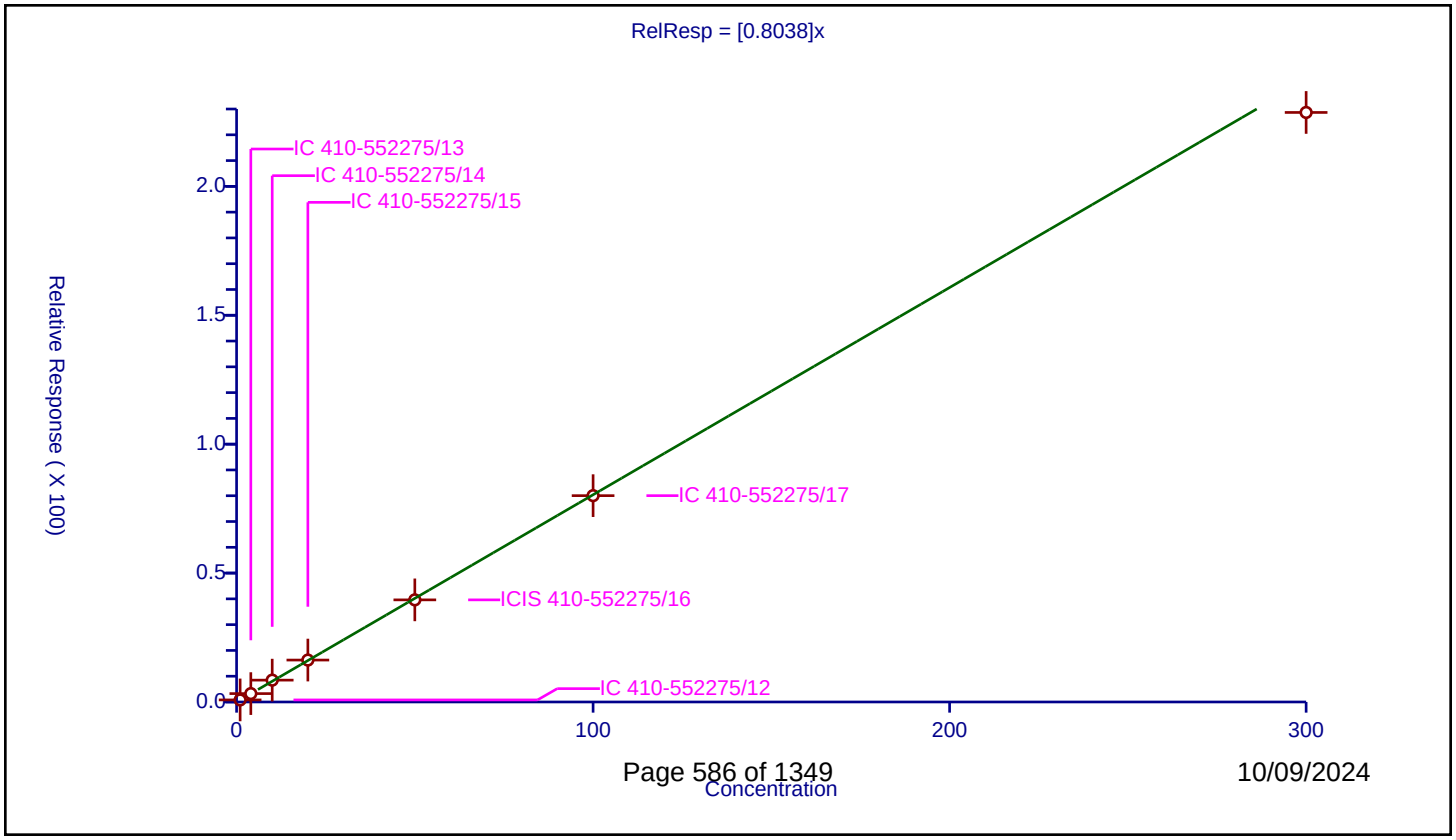
Curve Coefficients

Intercept:	0
Slope:	0.8038

Error Coefficients

Relative Standard Deviation:	3.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	1.0	0.798305	50.0	681005.0	0.798305	Y
2	IC 410-552275/13	4.0	3.25146	50.0	684308.0	0.812865	Y
3	IC 410-552275/14	10.0	8.473639	50.0	667293.0	0.847364	Y
4	IC 410-552275/15	20.0	16.264562	50.0	698989.0	0.813228	Y
5	ICIS 410-552275/16	50.0	39.613393	50.0	692719.0	0.792268	Y
6	IC 410-552275/17	100.0	80.035687	50.0	693808.0	0.800357	Y
7	IC 410-552275/18	300.0	228.663455	50.0	755448.0	0.762212	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

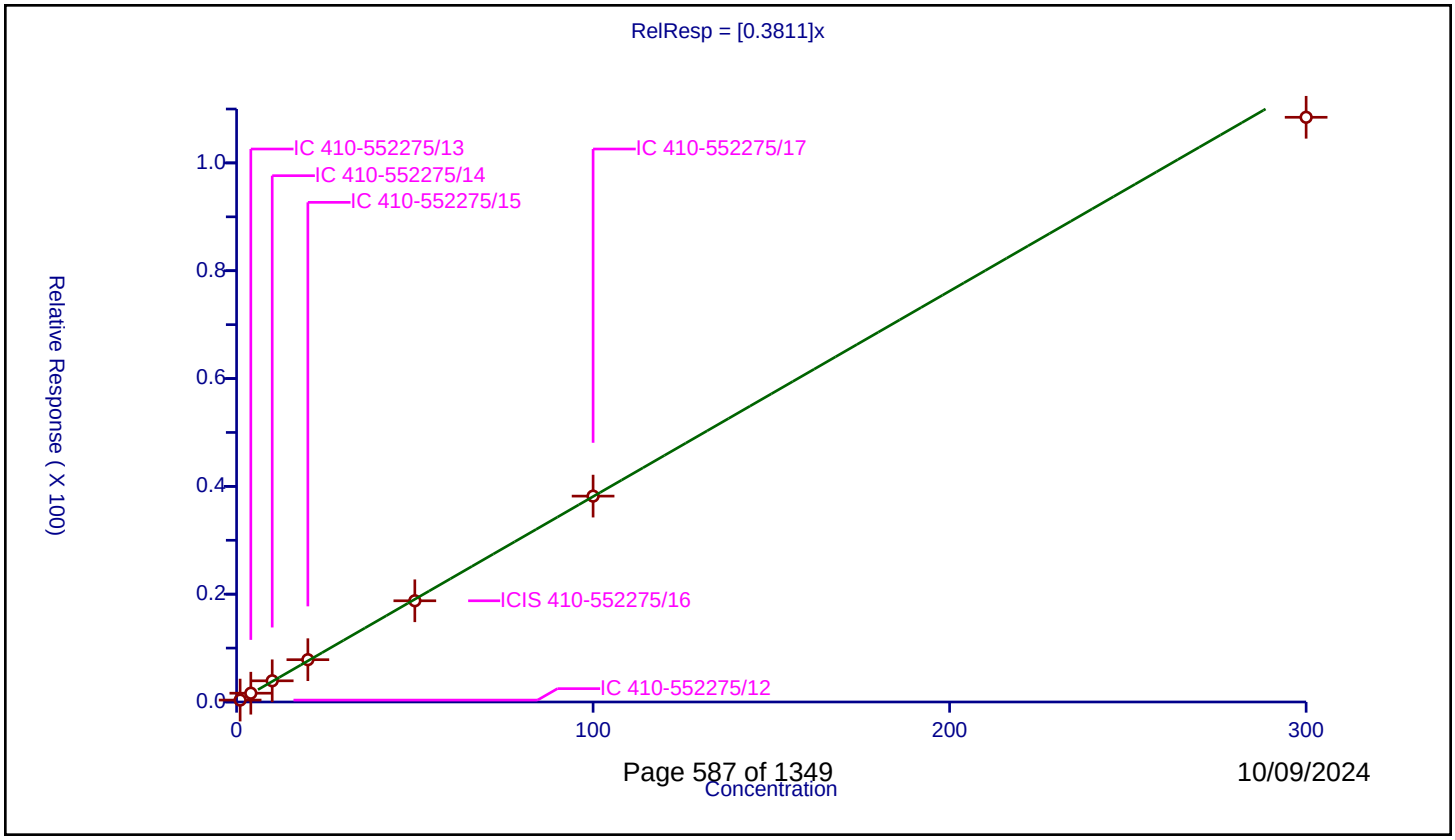
Curve Coefficients

Intercept:	0
Slope:	0.3811

Error Coefficients

Relative Standard Deviation:	4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	1.0	0.355431	50.0	681005.0	0.355431	Y
2	IC 410-552275/13	4.0	1.631137	50.0	684308.0	0.407784	Y
3	IC 410-552275/14	10.0	3.932231	50.0	667293.0	0.393223	Y
4	IC 410-552275/15	20.0	7.848192	50.0	698989.0	0.39241	Y
5	ICIS 410-552275/16	50.0	18.77529	50.0	692719.0	0.375506	Y
6	IC 410-552275/17	100.0	38.1896	50.0	693808.0	0.381896	Y
7	IC 410-552275/18	300.0	108.466235	50.0	755448.0	0.361554	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

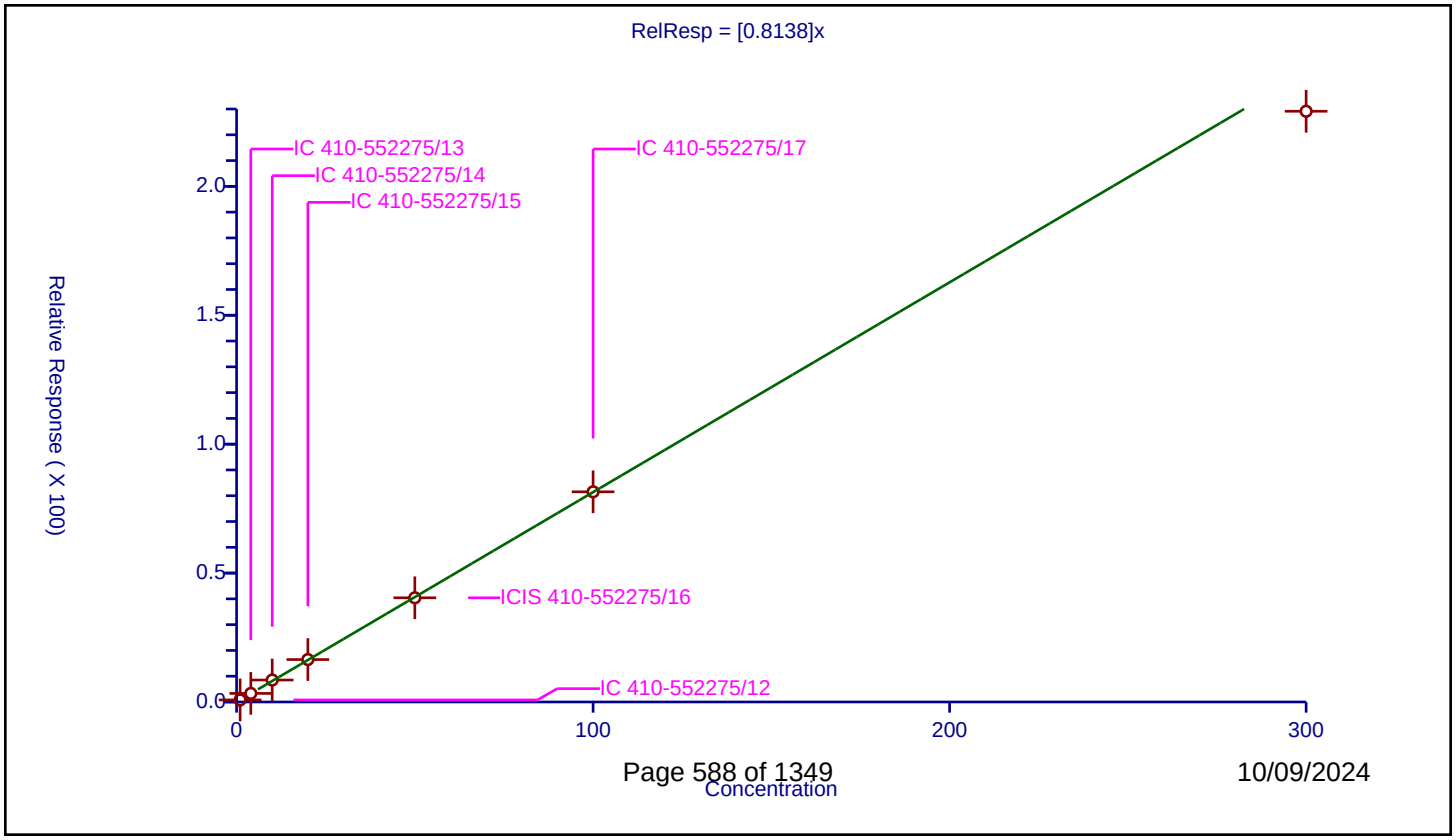
Curve Coefficients

Intercept:	0
Slope:	0.8138

Error Coefficients

Relative Standard Deviation:	3.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	1.0	0.803959	50.0	681005.0	0.803959	Y
2	IC 410-552275/13	4.0	3.32438	50.0	684308.0	0.831095	Y
3	IC 410-552275/14	10.0	8.5147	50.0	667293.0	0.85147	Y
4	IC 410-552275/15	20.0	16.463206	50.0	698989.0	0.82316	Y
5	ICIS 410-552275/16	50.0	40.41148	50.0	692719.0	0.80823	Y
6	IC 410-552275/17	100.0	81.521473	50.0	693808.0	0.815215	Y
7	IC 410-552275/18	300.0	229.133441	50.0	755448.0	0.763778	Y



Calibration / 2-Butanone (MEK)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

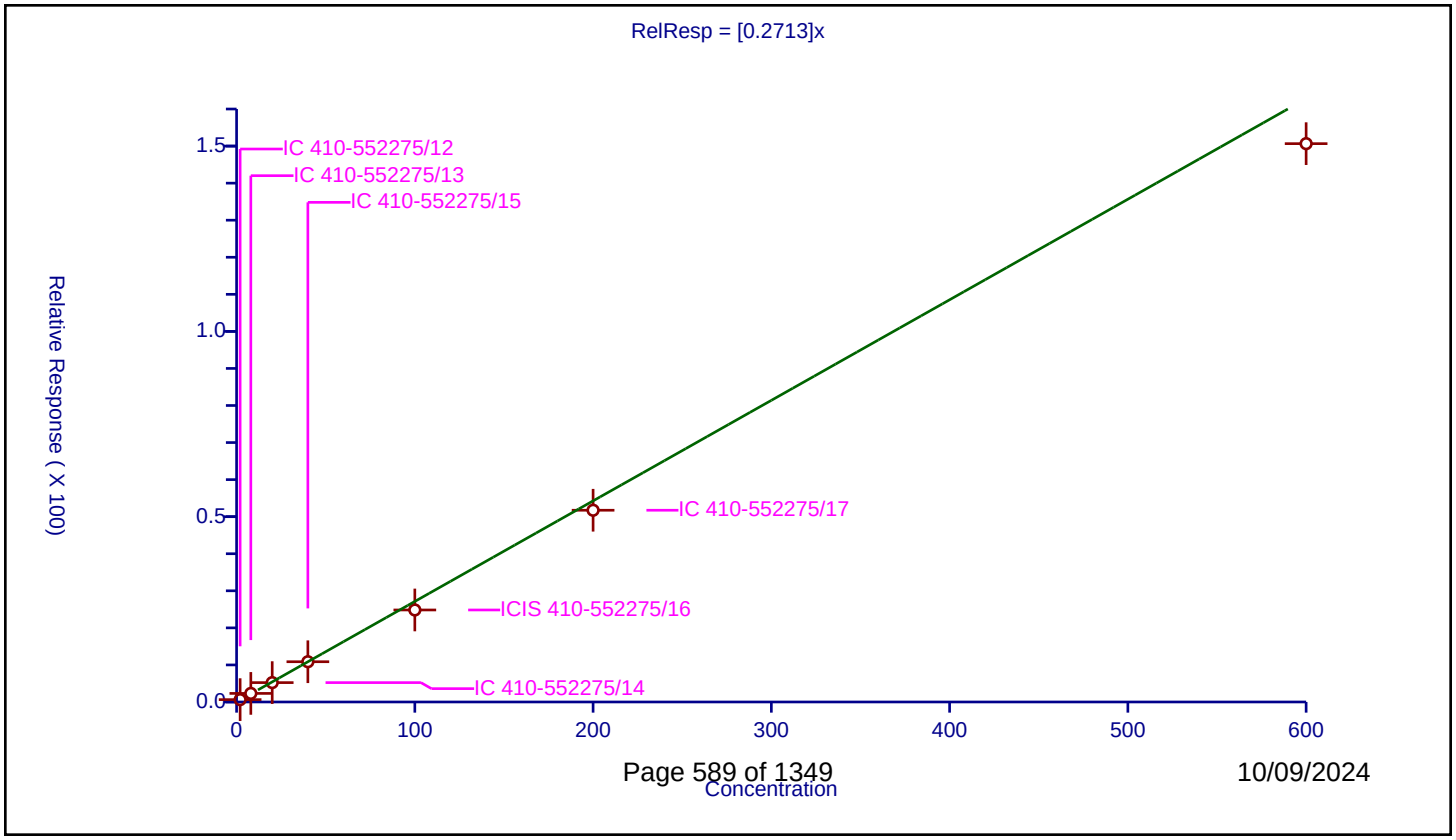
Curve Coefficients

Intercept:	0
Slope:	0.2713

Error Coefficients

Relative Standard Deviation:	9.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	2.0	0.637734	50.0	681005.0	0.318867	Y
2	IC 410-552275/13	8.0	2.31482	50.0	684308.0	0.289353	Y
3	IC 410-552275/14	20.0	5.228363	50.0	667293.0	0.261418	Y
4	IC 410-552275/15	40.0	10.857968	50.0	698989.0	0.271449	Y
5	ICIS 410-552275/16	100.0	24.827239	50.0	692719.0	0.248272	Y
6	IC 410-552275/17	200.0	51.741332	50.0	693808.0	0.258707	Y
7	IC 410-552275/18	600.0	150.65577	50.0	755448.0	0.251093	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

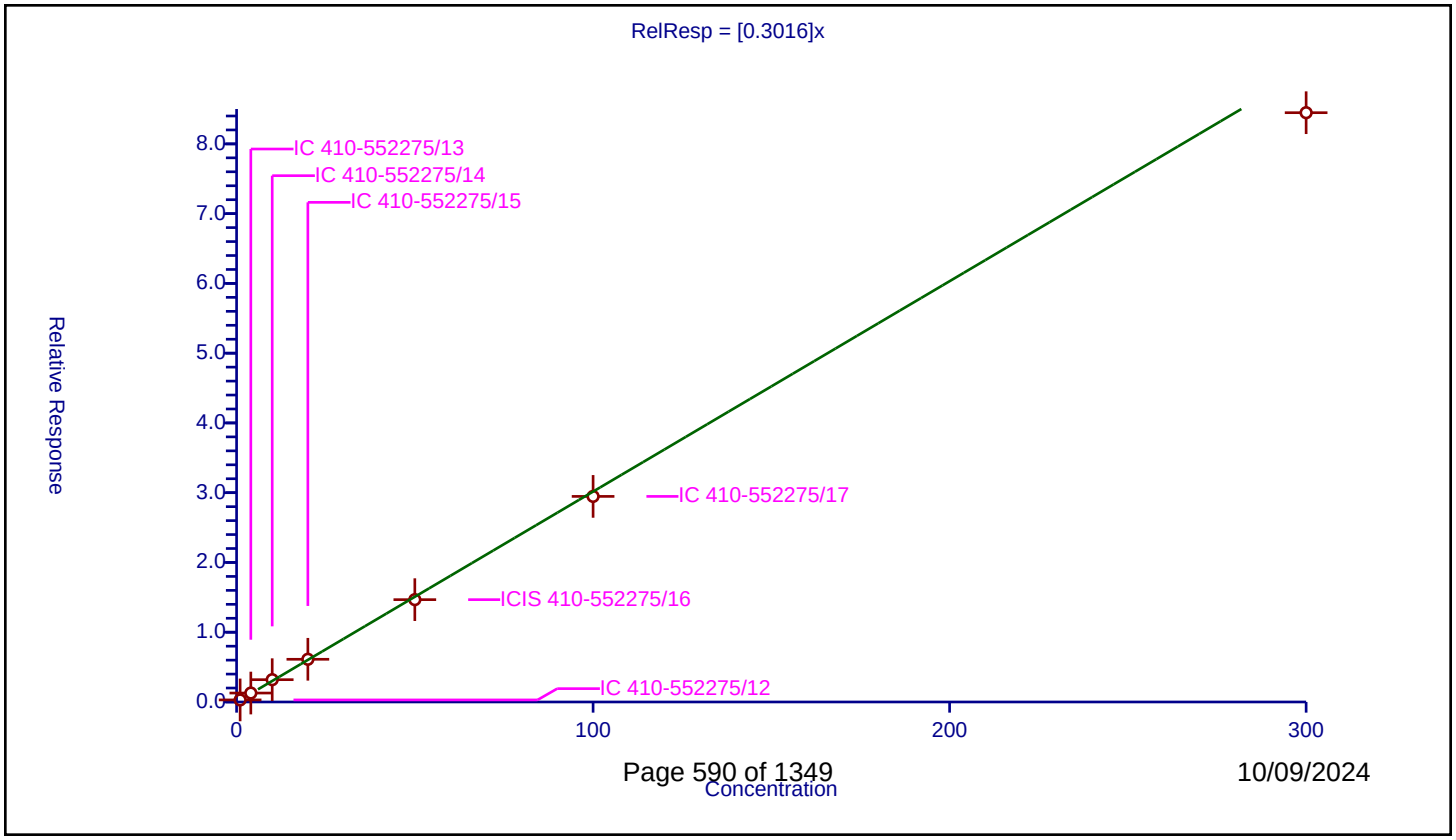
Curve Coefficients

Intercept:	0
Slope:	0.3016

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	1.0	0.295372	50.0	681005.0	0.295372	Y
2	IC 410-552275/13	4.0	1.281002	50.0	684308.0	0.320251	Y
3	IC 410-552275/14	10.0	3.198445	50.0	667293.0	0.319845	Y
4	IC 410-552275/15	20.0	6.121055	50.0	698989.0	0.306053	Y
5	ICIS 410-552275/16	50.0	14.669152	50.0	692719.0	0.293383	Y
6	IC 410-552275/17	100.0	29.468023	50.0	693808.0	0.29468	Y
7	IC 410-552275/18	300.0	84.472326	50.0	755448.0	0.281574	Y



Calibration / 2,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

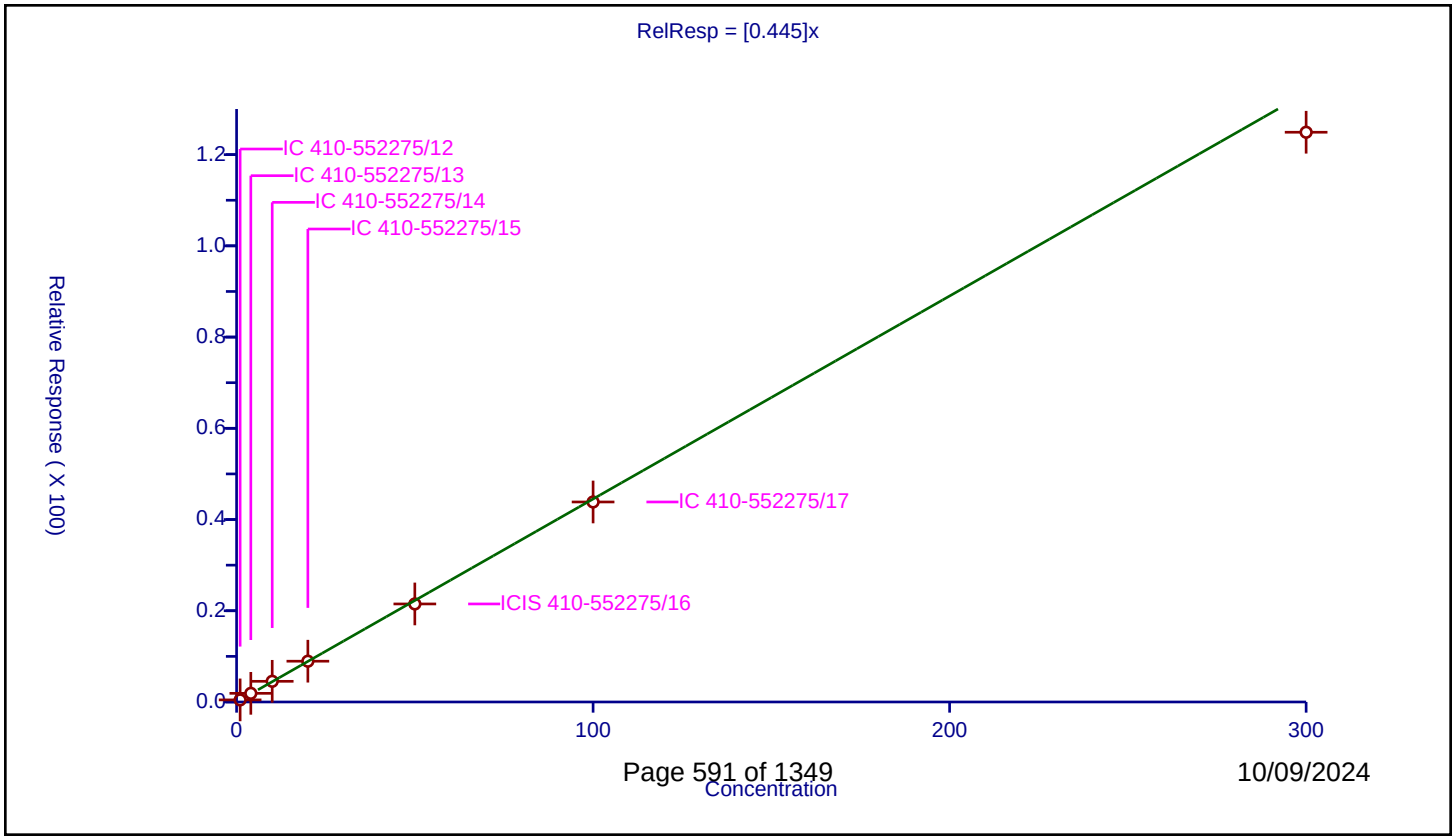
Curve Coefficients

Intercept:	0
Slope:	0.445

Error Coefficients

Relative Standard Deviation:	4.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	1.0	0.456311	50.0	681005.0	0.456311	Y
2	IC 410-552275/13	4.0	1.894615	50.0	684308.0	0.473654	Y
3	IC 410-552275/14	10.0	4.535339	50.0	667293.0	0.453534	Y
4	IC 410-552275/15	20.0	8.93891	50.0	698989.0	0.446946	Y
5	ICIS 410-552275/16	50.0	21.494502	50.0	692719.0	0.42989	Y
6	IC 410-552275/17	100.0	43.851469	50.0	693808.0	0.438515	Y
7	IC 410-552275/18	300.0	124.907803	50.0	755448.0	0.416359	Y



Calibration / Propionitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

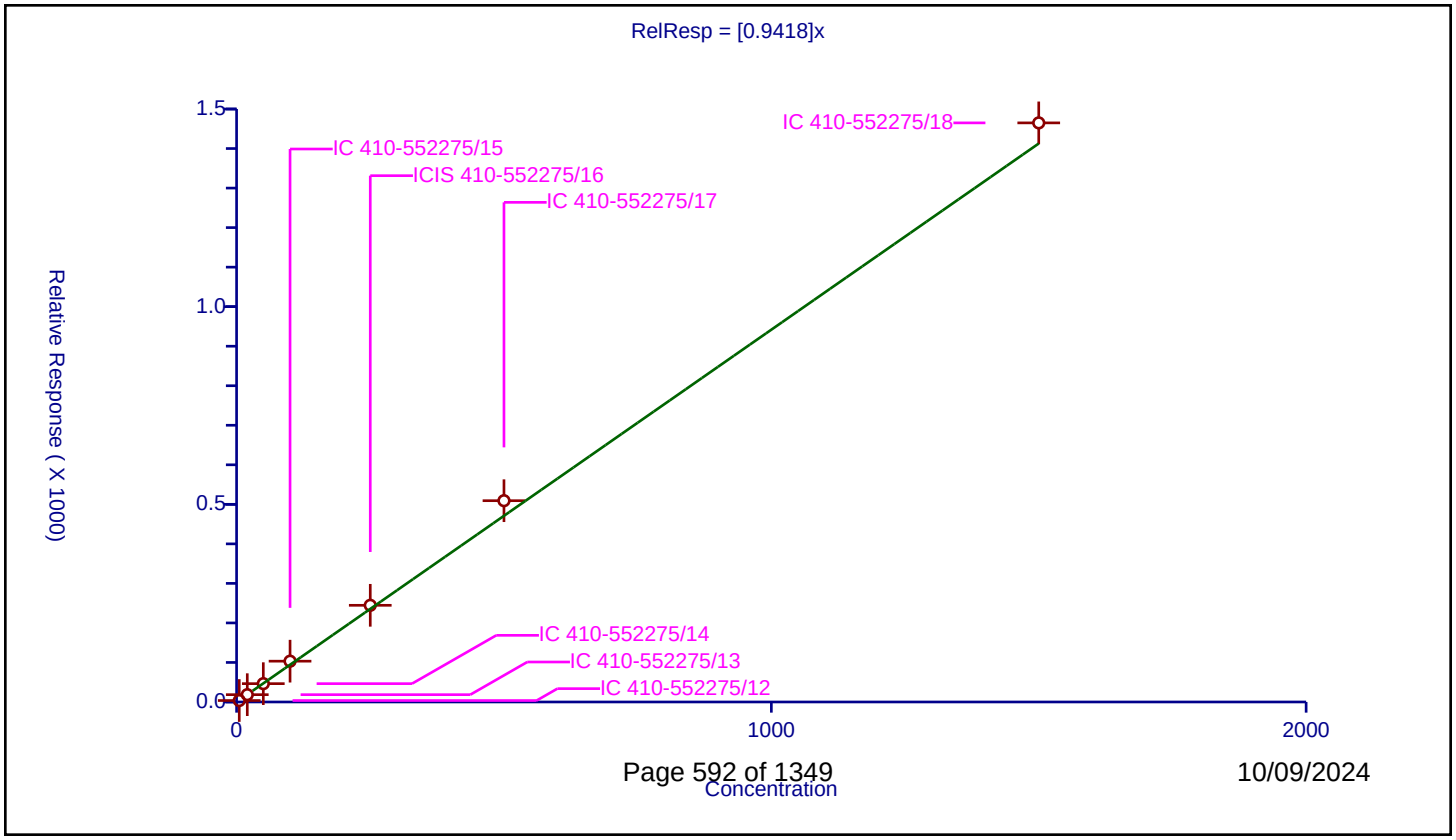
Curve Coefficients

Intercept:	0
Slope:	0.9418

Error Coefficients

Relative Standard Deviation:	10.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	5.0	3.666867	250.0	291325.0	0.733373	Y
2	IC 410-552275/13	20.0	18.52655	250.0	281299.0	0.926328	Y
3	IC 410-552275/14	50.0	46.366031	250.0	281359.0	0.927321	Y
4	IC 410-552275/15	100.0	103.228825	250.0	288495.0	1.032288	Y
5	ICIS 410-552275/16	250.0	244.5813	250.0	281156.0	0.978325	Y
6	IC 410-552275/17	500.0	509.177766	250.0	276892.0	1.018356	Y
7	IC 410-552275/18	1500.0	1464.917724	250.0	299724.0	0.976612	Y



Calibration / Methacrylonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

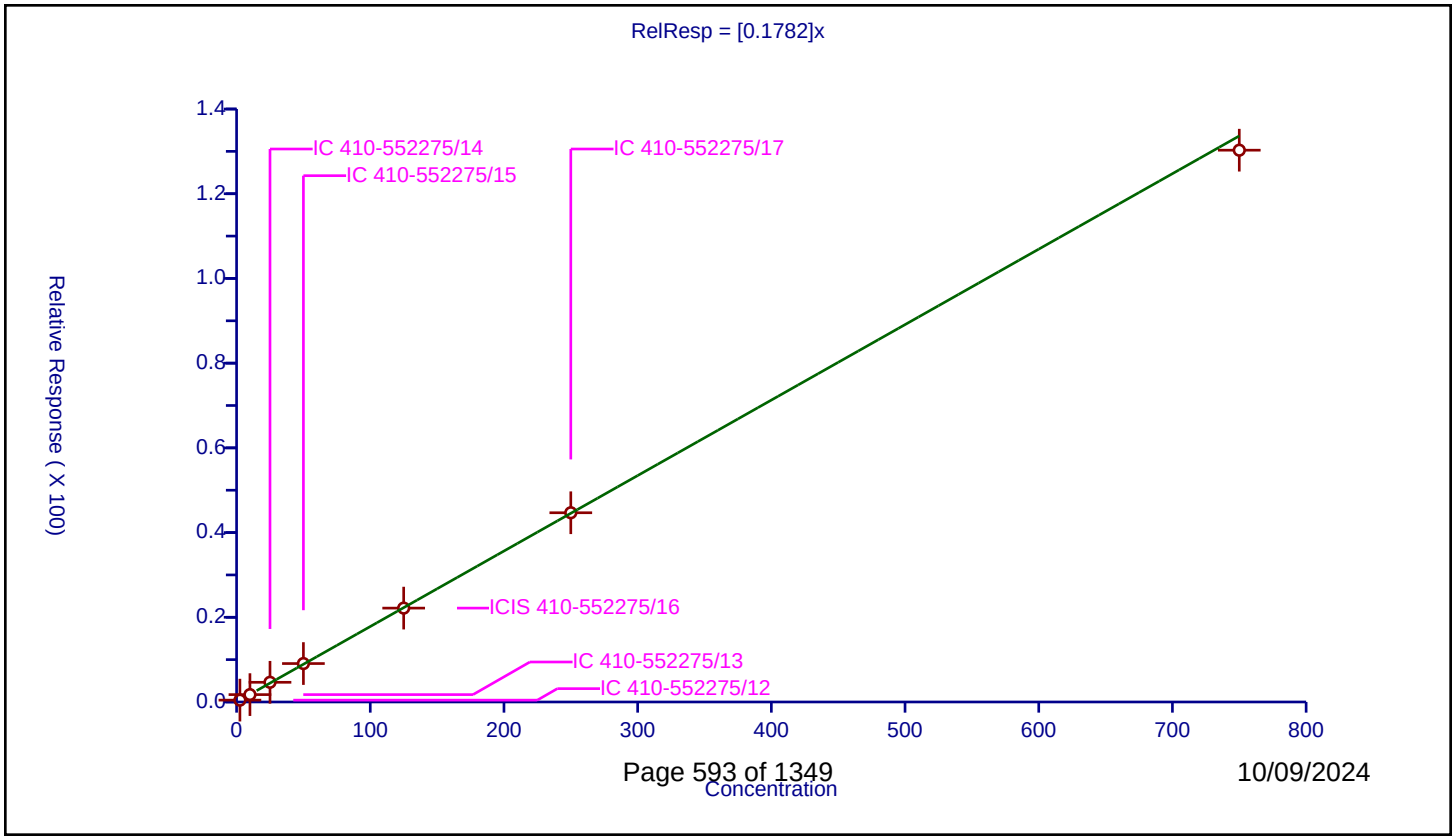
Curve Coefficients

Intercept:	0
Slope:	0.1782

Error Coefficients

Relative Standard Deviation:	2.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	2.5	0.440599	50.0	681005.0	0.17624	Y
2	IC 410-552275/13	10.0	1.737741	50.0	684308.0	0.173774	Y
3	IC 410-552275/14	25.0	4.652454	50.0	667293.0	0.186098	Y
4	IC 410-552275/15	50.0	9.073819	50.0	698989.0	0.181476	Y
5	ICIS 410-552275/16	125.0	22.165048	50.0	692719.0	0.17732	Y
6	IC 410-552275/17	250.0	44.681886	50.0	693808.0	0.178728	Y
7	IC 410-552275/18	750.0	130.279913	50.0	755448.0	0.173707	Y



Calibration / Chlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

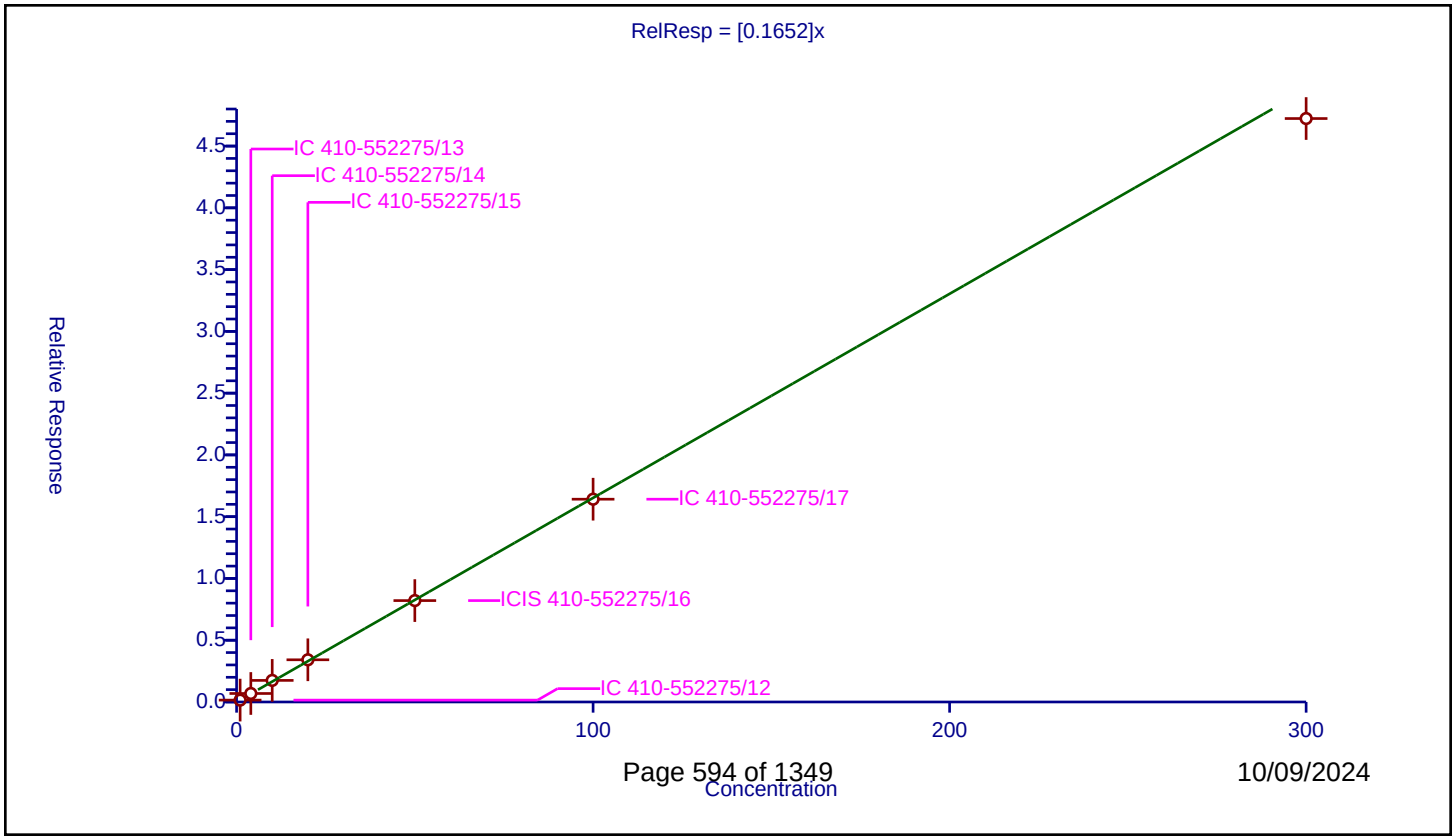
Curve Coefficients

Intercept:	0
Slope:	0.1652

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	1.0	0.153083	50.0	681005.0	0.153083	Y
2	IC 410-552275/13	4.0	0.688433	50.0	684308.0	0.172108	Y
3	IC 410-552275/14	10.0	1.747433	50.0	667293.0	0.174743	Y
4	IC 410-552275/15	20.0	3.415218	50.0	698989.0	0.170761	Y
5	ICIS 410-552275/16	50.0	8.208379	50.0	692719.0	0.164168	Y
6	IC 410-552275/17	100.0	16.414339	50.0	693808.0	0.164143	Y
7	IC 410-552275/18	300.0	47.230385	50.0	755448.0	0.157435	Y



Calibration / Tetrahydrofuran

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

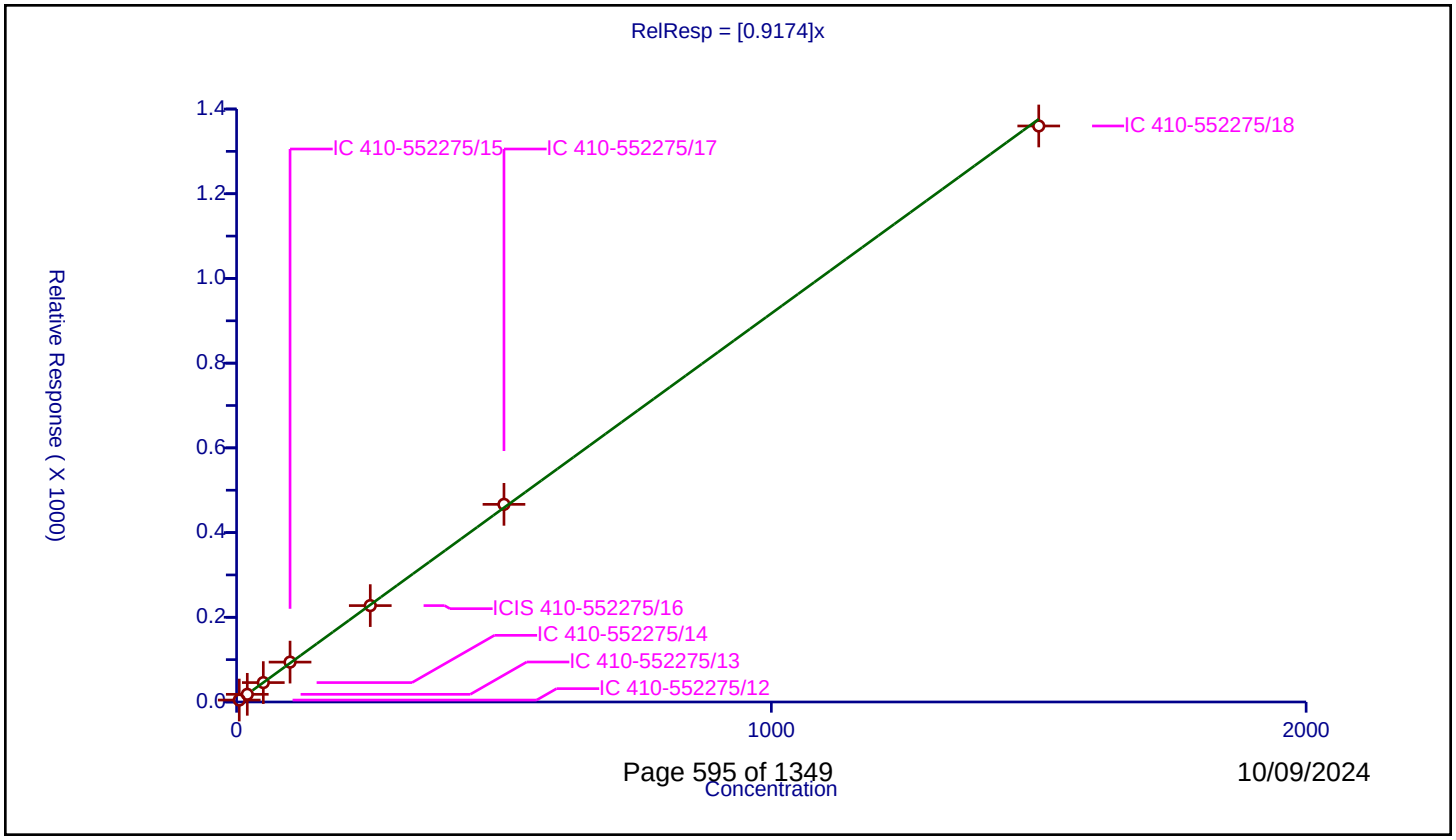
Curve Coefficients

Intercept:	0
Slope:	0.9174

Error Coefficients

Relative Standard Deviation:	1.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	5.0	4.546469	250.0	291325.0	0.909294	Y
2	IC 410-552275/13	20.0	18.095514	250.0	281299.0	0.904776	Y
3	IC 410-552275/14	50.0	45.788477	250.0	281359.0	0.91577	Y
4	IC 410-552275/15	100.0	94.159344	250.0	288495.0	0.941593	Y
5	ICIS 410-552275/16	250.0	227.596068	250.0	281156.0	0.910384	Y
6	IC 410-552275/17	500.0	466.627783	250.0	276892.0	0.933256	Y
7	IC 410-552275/18	1500.0	1359.97868	250.0	299724.0	0.906652	Y



Calibration / Chloroform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

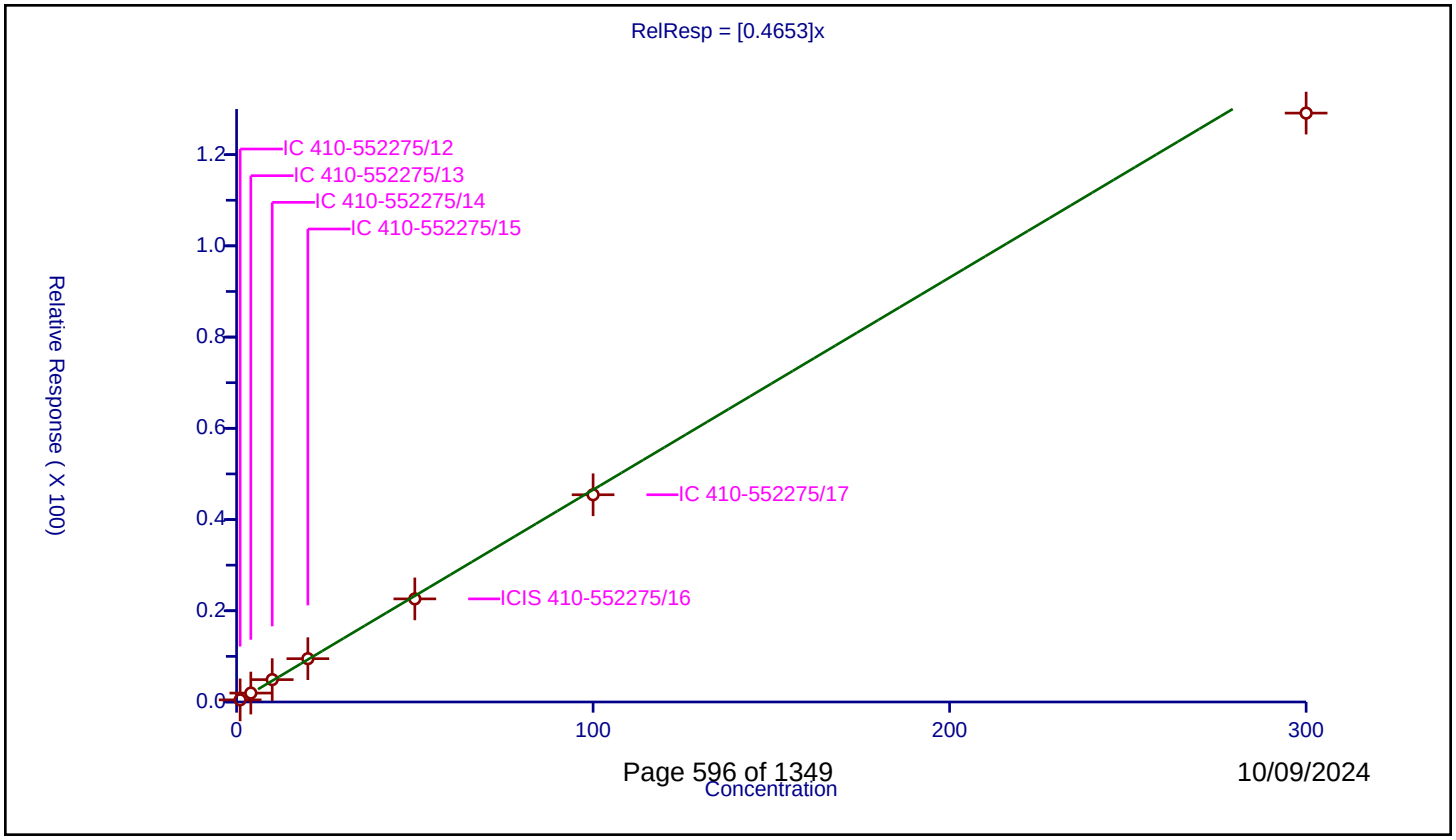
Curve Coefficients

Intercept:	0
Slope:	0.4653

Error Coefficients

Relative Standard Deviation:	4.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	1.0	0.466957	50.0	681005.0	0.466957	Y
2	IC 410-552275/13	4.0	1.952703	50.0	684308.0	0.488176	Y
3	IC 410-552275/14	10.0	4.900846	50.0	667293.0	0.490085	Y
4	IC 410-552275/15	20.0	9.4955	50.0	698989.0	0.474775	Y
5	ICIS 410-552275/16	50.0	22.603682	50.0	692719.0	0.452074	Y
6	IC 410-552275/17	100.0	45.435625	50.0	693808.0	0.454356	Y
7	IC 410-552275/18	300.0	129.106636	50.0	755448.0	0.430355	Y



Calibration / Dibromofluoromethane (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

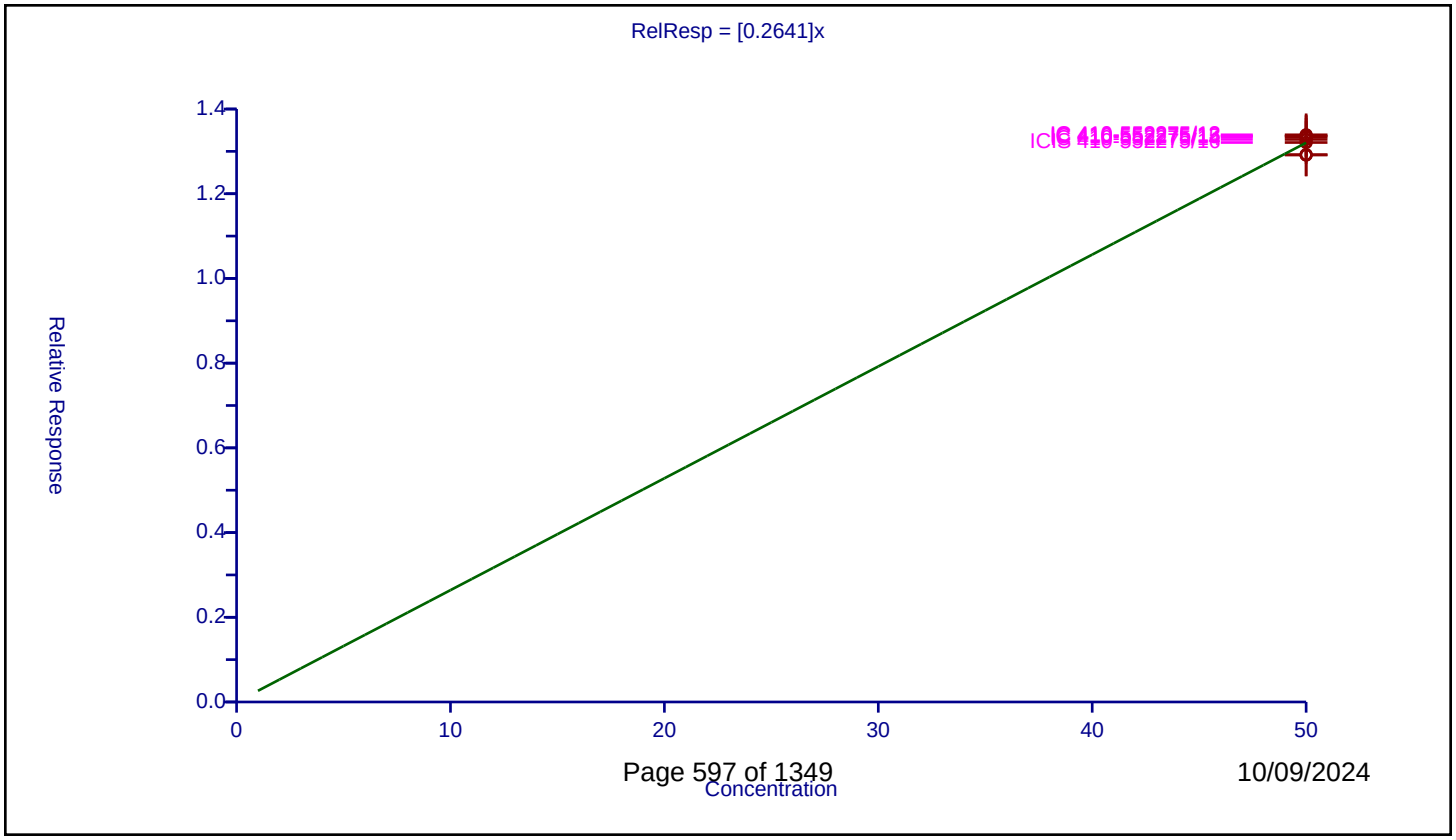
Curve Coefficients

Intercept:	0
Slope:	0.2641

Error Coefficients

Relative Standard Deviation:	1.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	50.0	13.36231	50.0	681005.0	0.267246	Y
2	IC 410-552275/13	50.0	13.391411	50.0	684308.0	0.267828	Y
3	IC 410-552275/14	50.0	13.281722	50.0	667293.0	0.265634	Y
4	IC 410-552275/15	50.0	13.341126	50.0	698989.0	0.266823	Y
5	ICIS 410-552275/16	50.0	13.209108	50.0	692719.0	0.264182	Y
6	IC 410-552275/17	50.0	12.913371	50.0	693808.0	0.258267	Y
7	IC 410-552275/18	50.0	12.922729	50.0	755448.0	0.258455	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

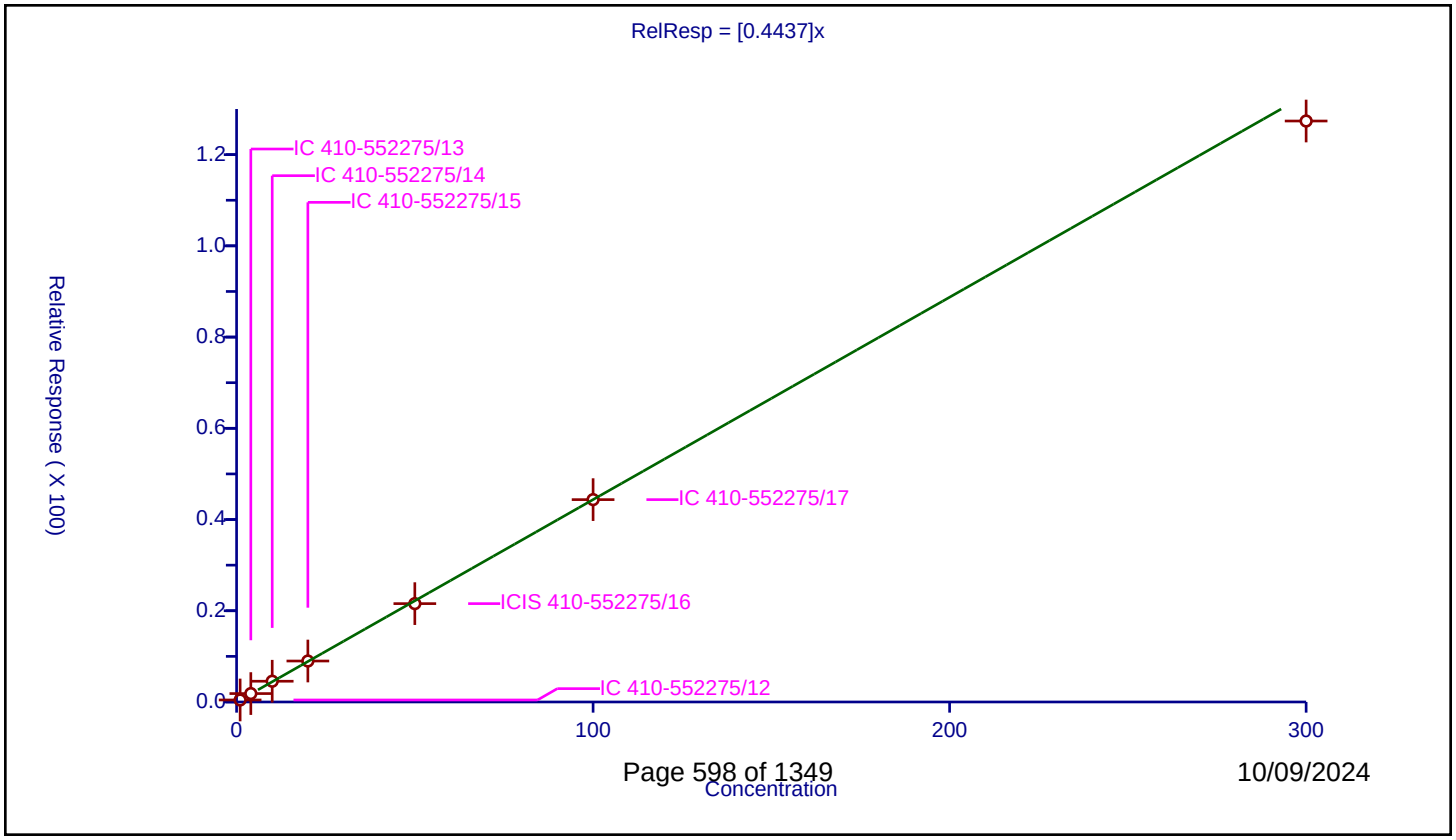
Curve Coefficients

Intercept:	0
Slope:	0.4437

Error Coefficients

Relative Standard Deviation:	2.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	1.0	0.440746	50.0	681005.0	0.440746	Y
2	IC 410-552275/13	4.0	1.84566	50.0	684308.0	0.461415	Y
3	IC 410-552275/14	10.0	4.551449	50.0	667293.0	0.455145	Y
4	IC 410-552275/15	20.0	8.981543	50.0	698989.0	0.449077	Y
5	ICIS 410-552275/16	50.0	21.561918	50.0	692719.0	0.431238	Y
6	IC 410-552275/17	100.0	44.361697	50.0	693808.0	0.443617	Y
7	IC 410-552275/18	300.0	127.366741	50.0	755448.0	0.424556	Y



Calibration / Cyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

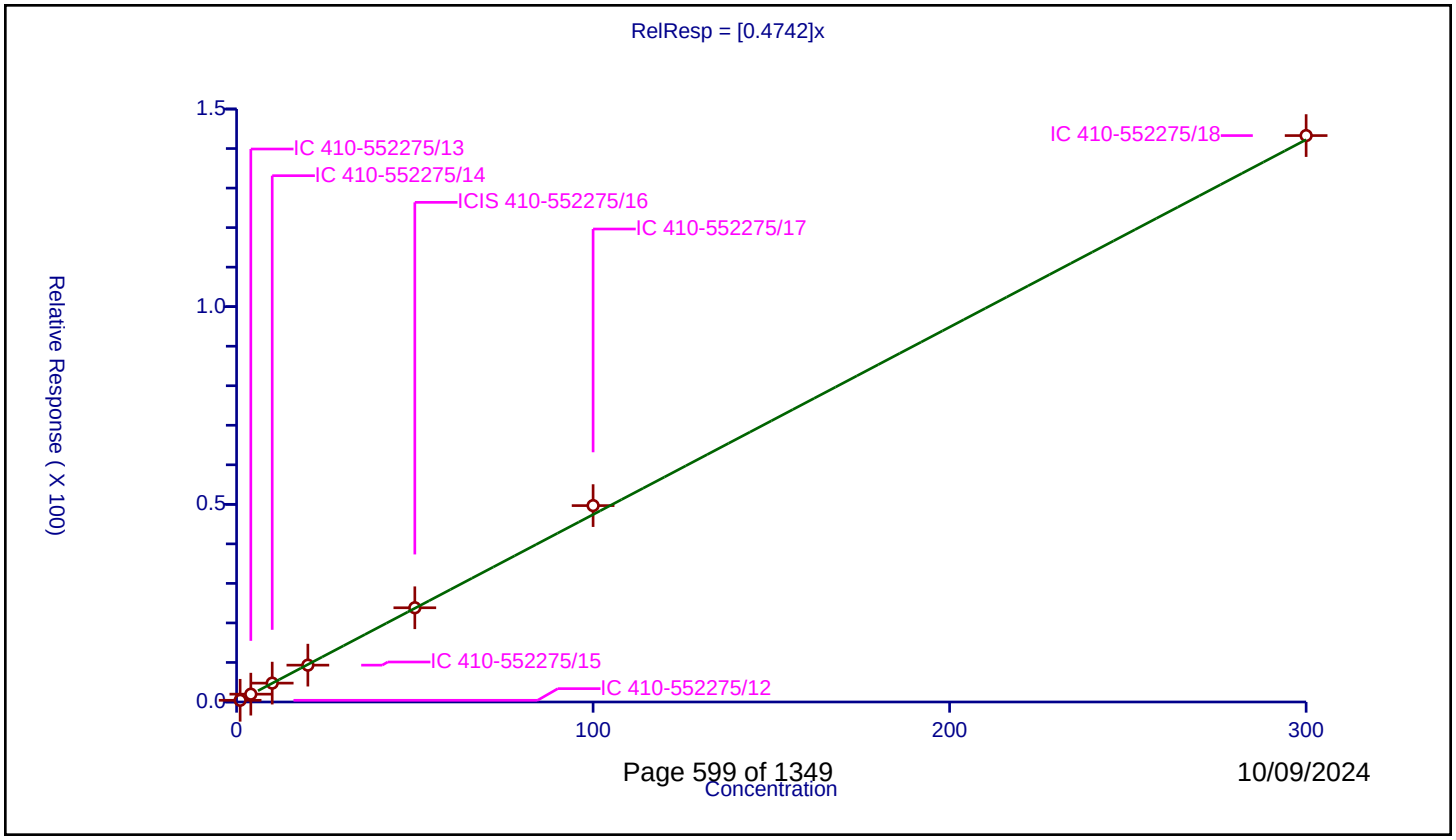
Curve Coefficients

Intercept:	0
Slope:	0.4742

Error Coefficients

Relative Standard Deviation:	4.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	1.0	0.430467	50.0	681005.0	0.430467	Y
2	IC 410-552275/13	4.0	1.978349	50.0	684308.0	0.494587	Y
3	IC 410-552275/14	10.0	4.771742	50.0	667293.0	0.477174	Y
4	IC 410-552275/15	20.0	9.317028	50.0	698989.0	0.465851	Y
5	ICIS 410-552275/16	50.0	23.834917	50.0	692719.0	0.476698	Y
6	IC 410-552275/17	100.0	49.675991	50.0	693808.0	0.49676	Y
7	IC 410-552275/18	300.0	143.279418	50.0	755448.0	0.477598	Y



Calibration / 1,1-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

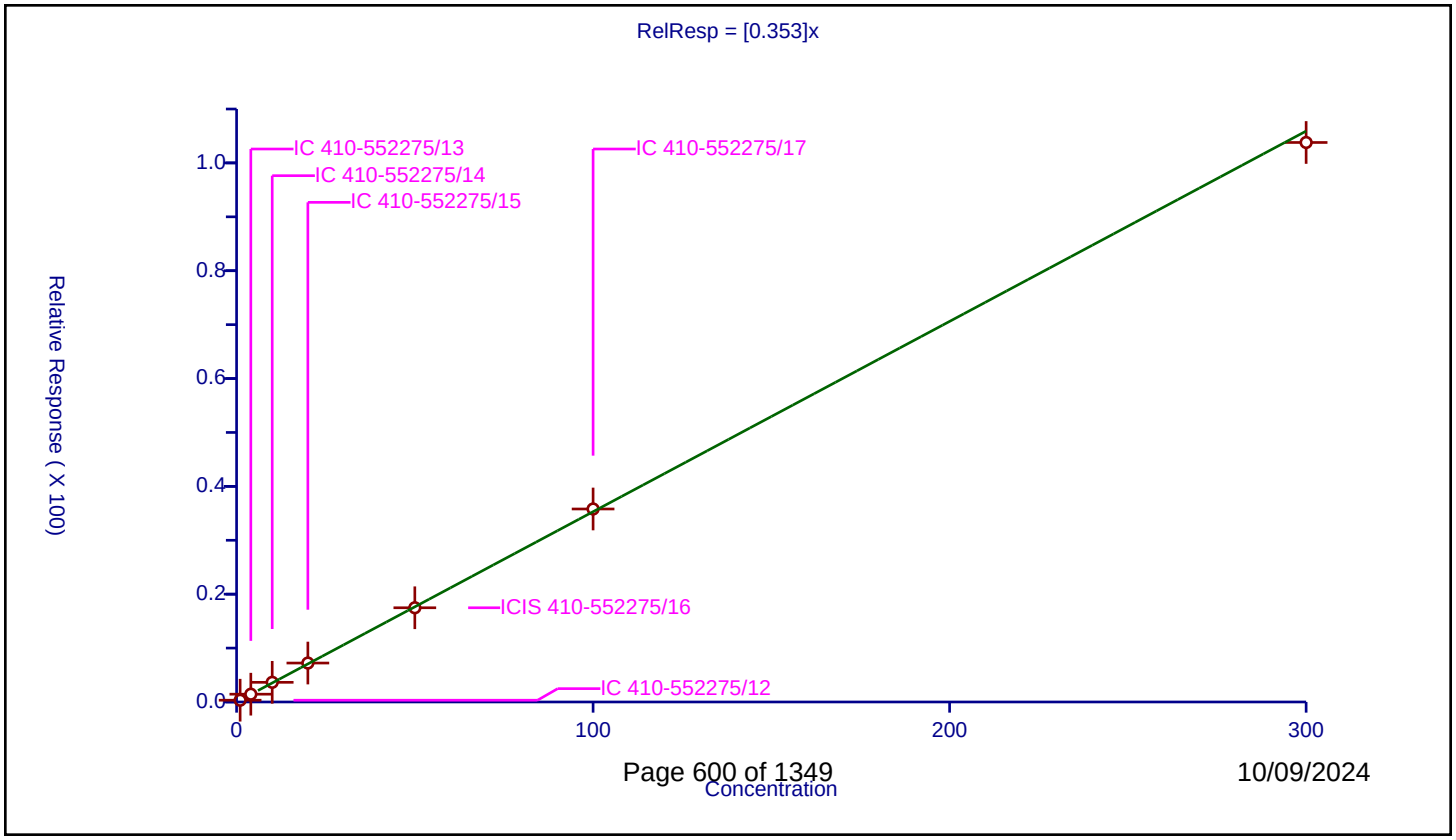
Curve Coefficients

Intercept:	0
Slope:	0.353

Error Coefficients

Relative Standard Deviation:	3.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	1.0	0.330027	50.0	681005.0	0.330027	Y
2	IC 410-552275/13	4.0	1.44584	50.0	684308.0	0.36146	Y
3	IC 410-552275/14	10.0	3.648922	50.0	667293.0	0.364892	Y
4	IC 410-552275/15	20.0	7.222431	50.0	698989.0	0.361122	Y
5	ICIS 410-552275/16	50.0	17.479815	50.0	692719.0	0.349596	Y
6	IC 410-552275/17	100.0	35.802052	50.0	693808.0	0.358021	Y
7	IC 410-552275/18	300.0	103.791591	50.0	755448.0	0.345972	Y



Calibration / Carbon tetrachloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

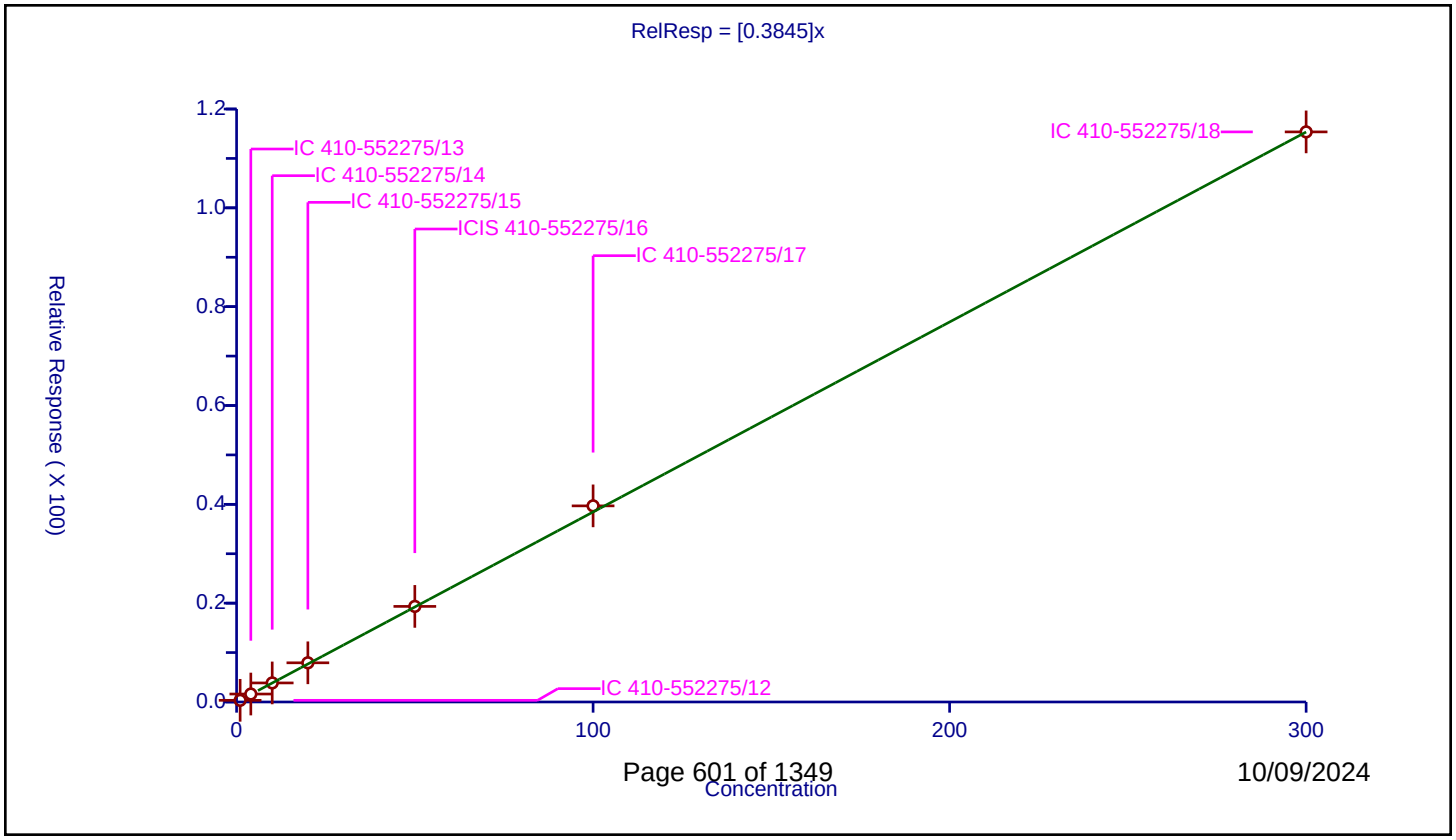
Curve Coefficients

Intercept:	0
Slope:	0.3845

Error Coefficients

Relative Standard Deviation:	5.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	1.0	0.33781	50.0	681005.0	0.33781	Y
2	IC 410-552275/13	4.0	1.612432	50.0	684308.0	0.403108	Y
3	IC 410-552275/14	10.0	3.856926	50.0	667293.0	0.385693	Y
4	IC 410-552275/15	20.0	7.930668	50.0	698989.0	0.396533	Y
5	ICIS 410-552275/16	50.0	19.344424	50.0	692719.0	0.386888	Y
6	IC 410-552275/17	100.0	39.689799	50.0	693808.0	0.396898	Y
7	IC 410-552275/18	300.0	115.367636	50.0	755448.0	0.384559	Y



Calibration / Isobutyl alcohol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

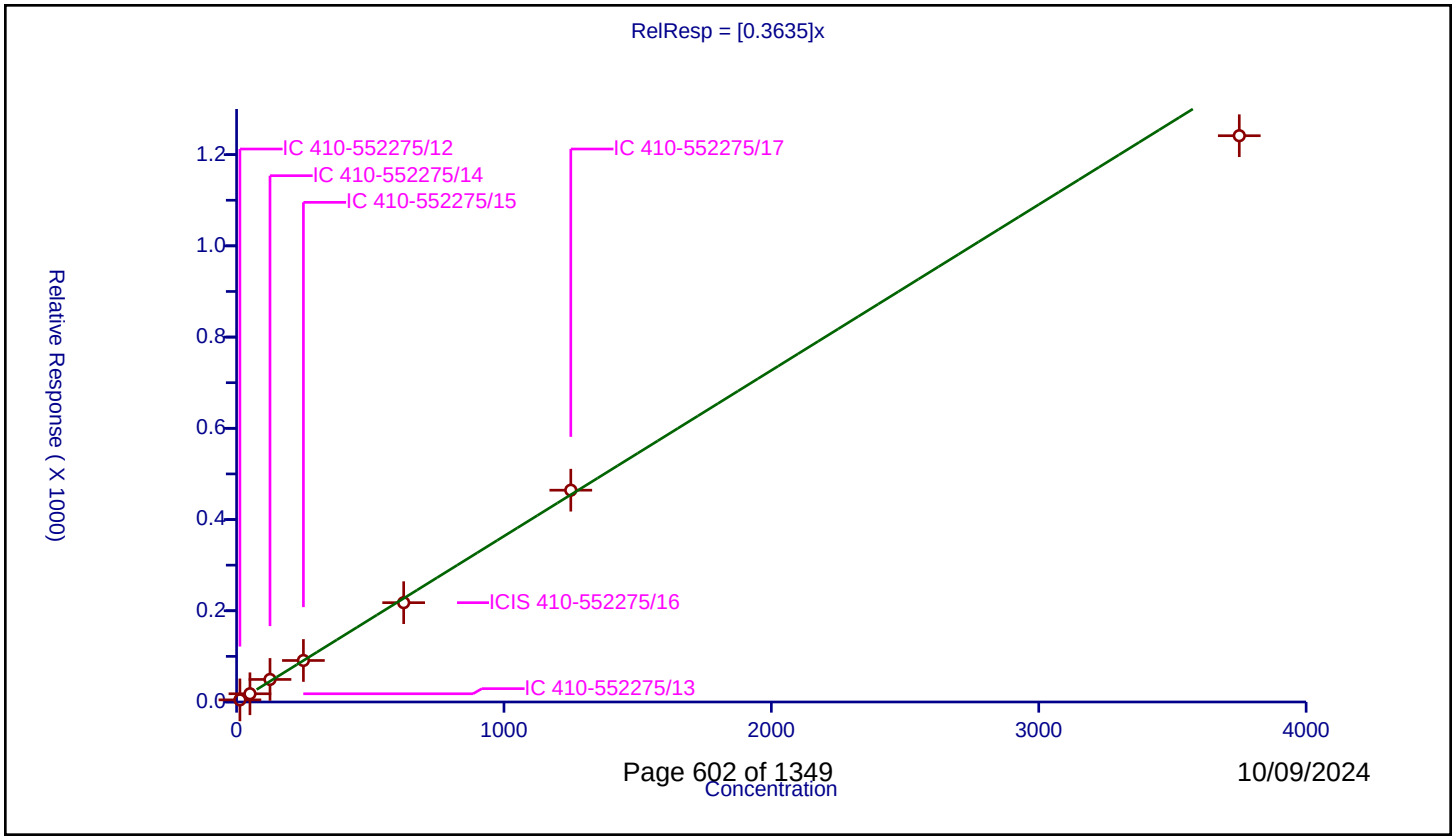
Curve Coefficients

Intercept:	0
Slope:	0.3635

Error Coefficients

Relative Standard Deviation:	5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	12.5	4.667468	250.0	291325.0	0.373397	Y
2	IC 410-552275/13	50.0	18.025304	250.0	281299.0	0.360506	Y
3	IC 410-552275/14	125.0	49.453723	250.0	281359.0	0.39563	Y
4	IC 410-552275/15	250.0	91.007643	250.0	288495.0	0.364031	Y
5	ICIS 410-552275/16	625.0	217.756335	250.0	281156.0	0.34841	Y
6	IC 410-552275/17	1250.0	464.348013	250.0	276892.0	0.371478	Y
7	IC 410-552275/18	3750.0	1241.488836	250.0	299724.0	0.331064	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

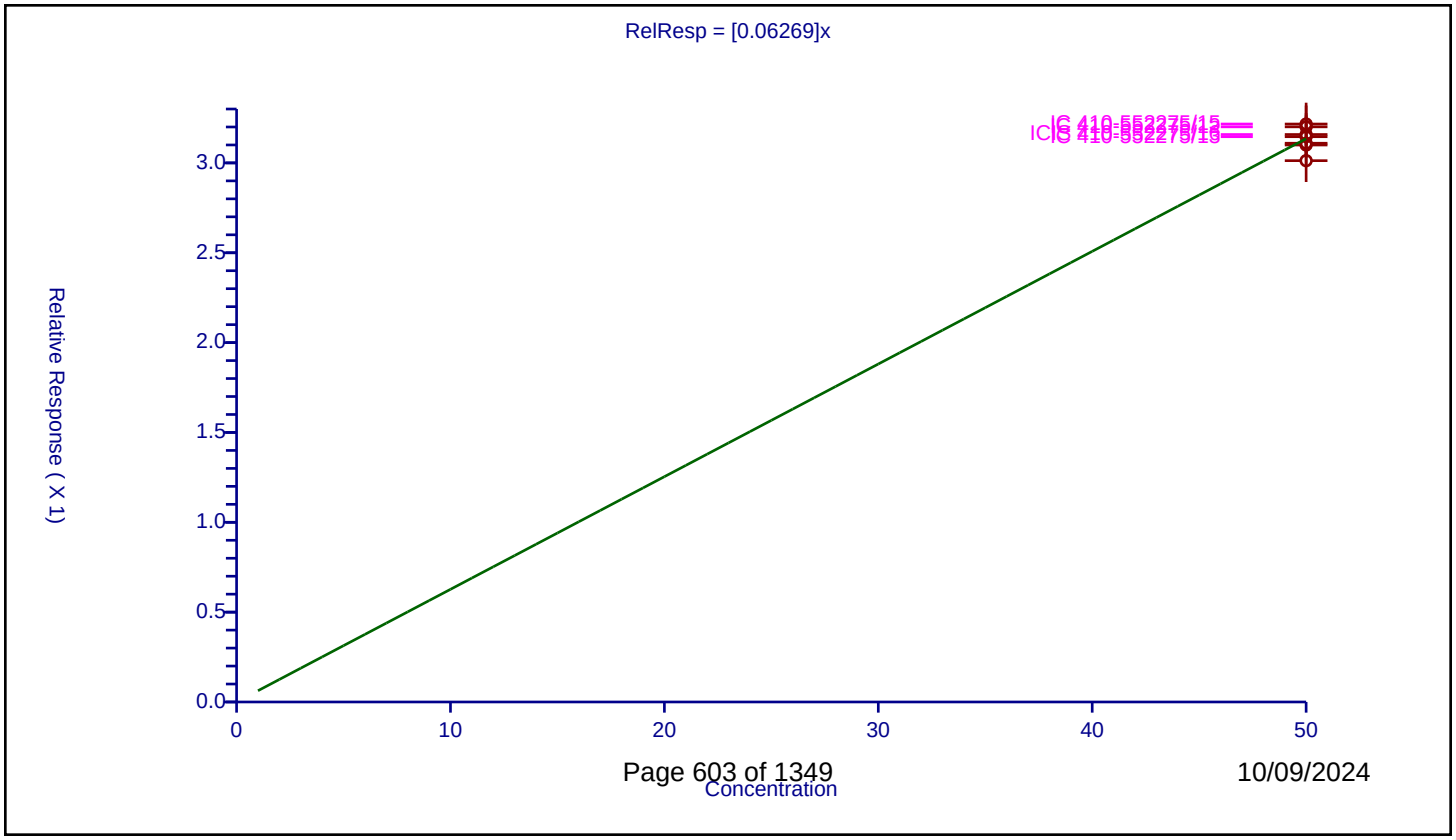
Curve Coefficients

Intercept:	0
Slope:	0.06269

Error Coefficients

Relative Standard Deviation:	2.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	50.0	3.200784	50.0	681005.0	0.064016	Y
2	IC 410-552275/13	50.0	3.145806	50.0	684308.0	0.062916	Y
3	IC 410-552275/14	50.0	3.099613	50.0	667293.0	0.061992	Y
4	IC 410-552275/15	50.0	3.216503	50.0	698989.0	0.06433	Y
5	ICIS 410-552275/16	50.0	3.158135	50.0	692719.0	0.063163	Y
6	IC 410-552275/17	50.0	3.012577	50.0	693808.0	0.060252	Y
7	IC 410-552275/18	50.0	3.109612	50.0	755448.0	0.062192	Y



Calibration / Benzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

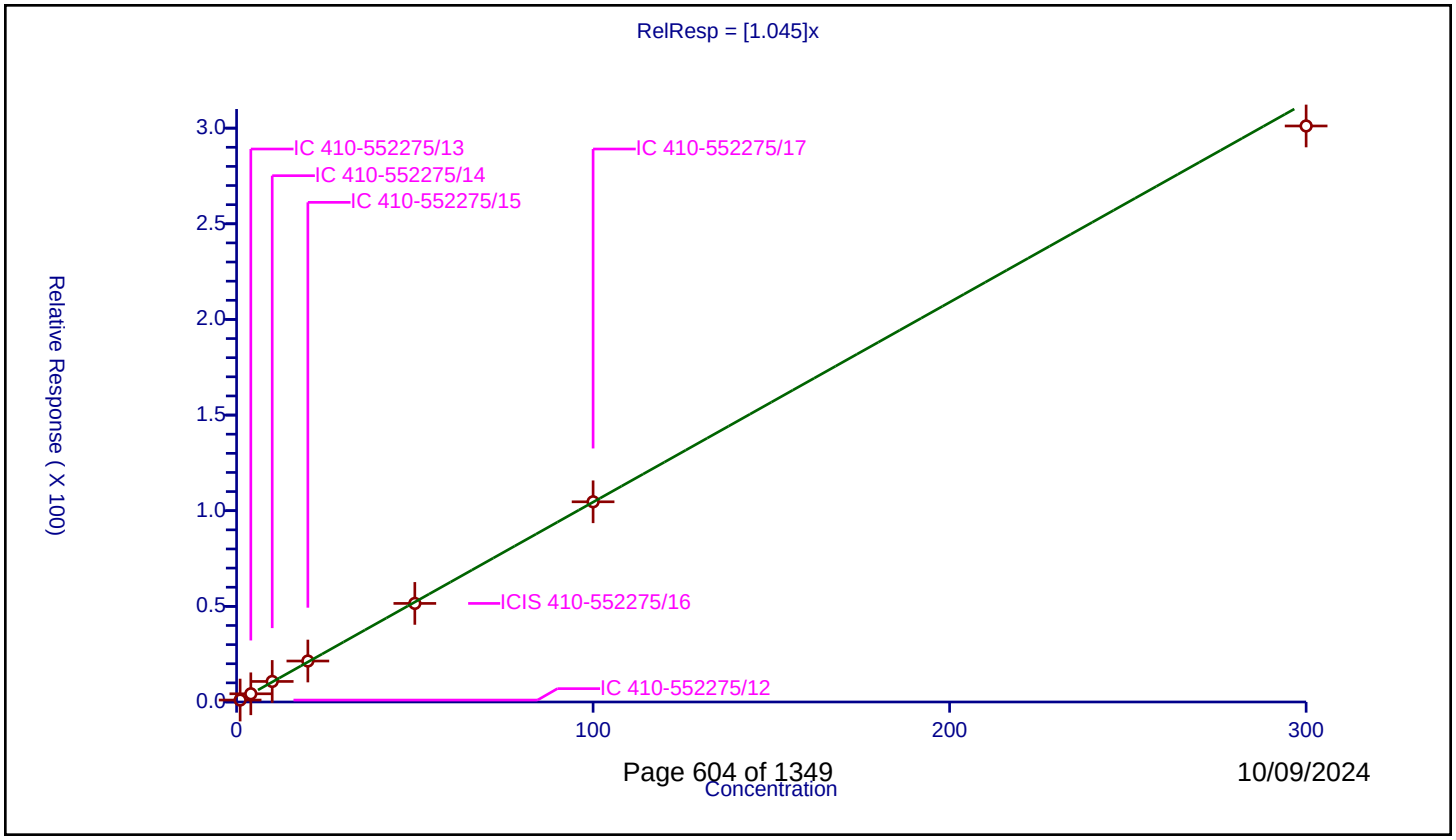
Curve Coefficients

Intercept:	0
Slope:	1.045

Error Coefficients

Relative Standard Deviation:	2.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	1.0	1.01732	50.0	681005.0	1.01732	Y
2	IC 410-552275/13	4.0	4.283086	50.0	684308.0	1.070771	Y
3	IC 410-552275/14	10.0	10.736963	50.0	667293.0	1.073696	Y
4	IC 410-552275/15	20.0	21.424729	50.0	698989.0	1.071236	Y
5	ICIS 410-552275/16	50.0	51.533883	50.0	692719.0	1.030678	Y
6	IC 410-552275/17	100.0	104.659286	50.0	693808.0	1.046593	Y
7	IC 410-552275/18	300.0	301.137272	50.0	755448.0	1.003791	Y



Calibration / 1,2-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

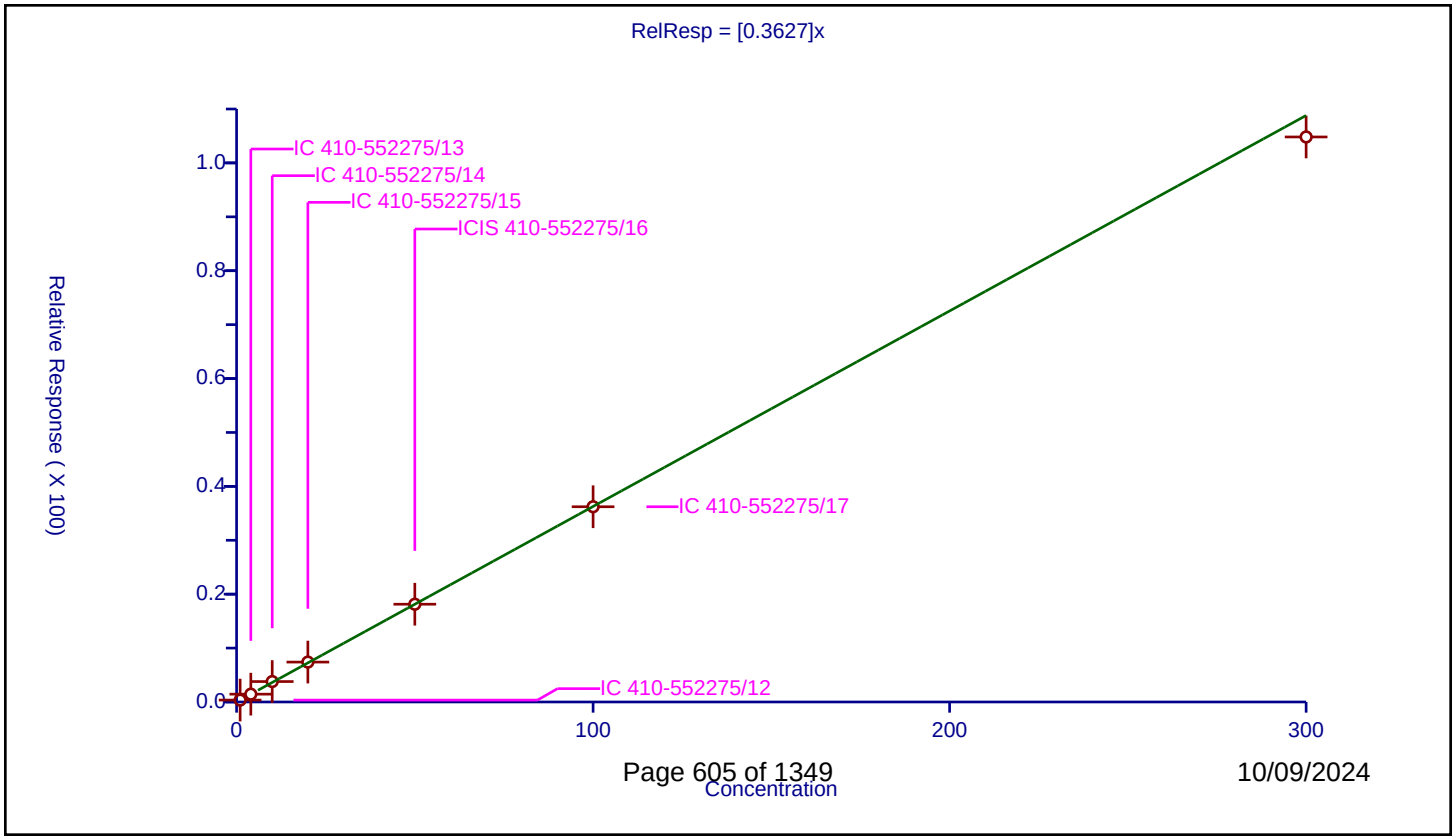
Curve Coefficients

Intercept:	0
Slope:	0.3627

Error Coefficients

Relative Standard Deviation:	2.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	1.0	0.35198	50.0	681005.0	0.35198	Y
2	IC 410-552275/13	4.0	1.452928	50.0	684308.0	0.363232	Y
3	IC 410-552275/14	10.0	3.791813	50.0	667293.0	0.379181	Y
4	IC 410-552275/15	20.0	7.40076	50.0	698989.0	0.370038	Y
5	ICIS 410-552275/16	50.0	18.136791	50.0	692719.0	0.362736	Y
6	IC 410-552275/17	100.0	36.220035	50.0	693808.0	0.3622	Y
7	IC 410-552275/18	300.0	104.81595	50.0	755448.0	0.349387	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

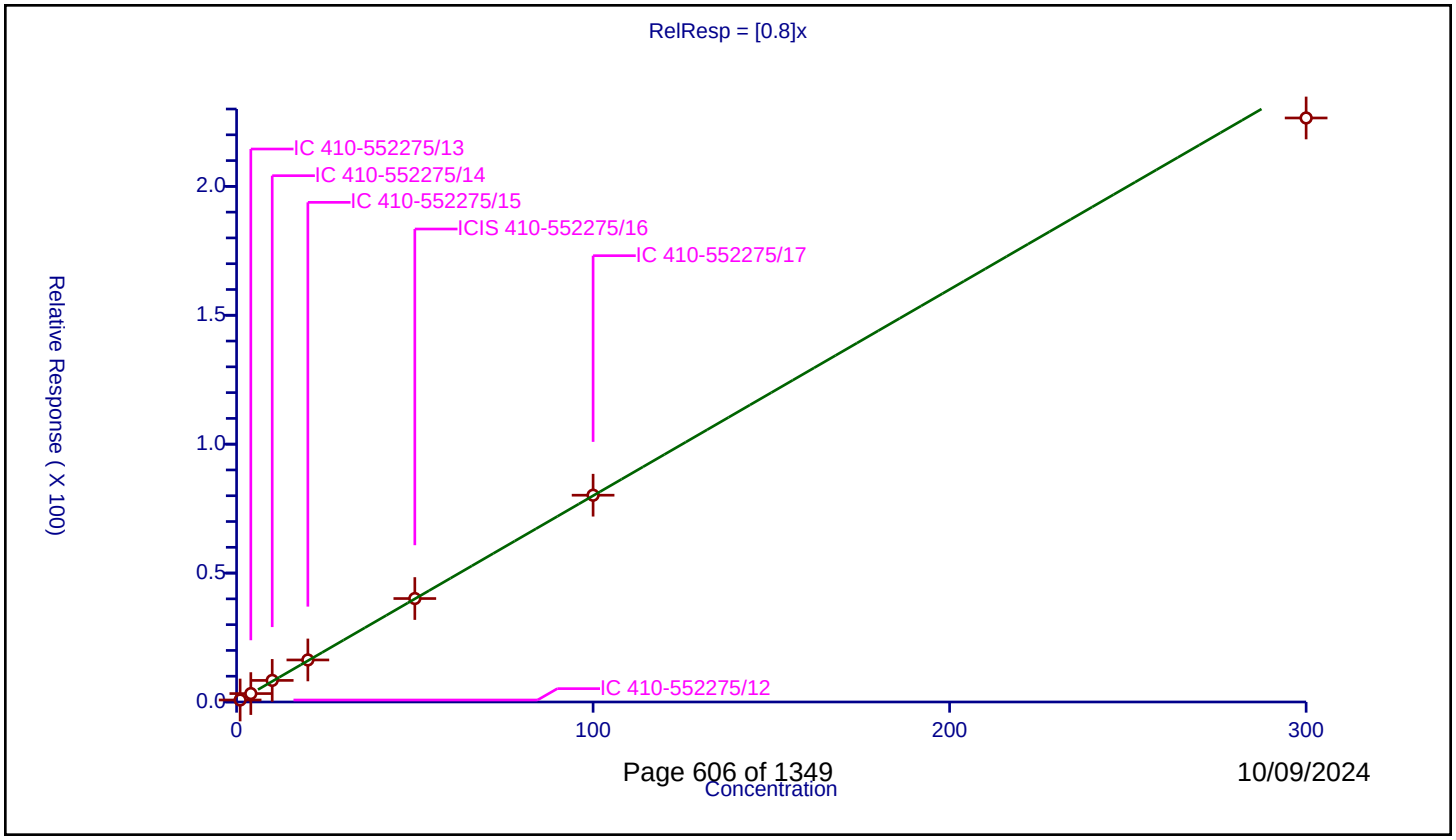
Curve Coefficients

Intercept:	0
Slope:	0.8

Error Coefficients

Relative Standard Deviation:	3.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	1.0	0.772682	50.0	681005.0	0.772682	Y
2	IC 410-552275/13	4.0	3.260666	50.0	684308.0	0.815167	Y
3	IC 410-552275/14	10.0	8.373458	50.0	667293.0	0.837346	Y
4	IC 410-552275/15	20.0	16.306122	50.0	698989.0	0.815306	Y
5	ICIS 410-552275/16	50.0	40.126732	50.0	692719.0	0.802535	Y
6	IC 410-552275/17	100.0	80.208213	50.0	693808.0	0.802082	Y
7	IC 410-552275/18	300.0	226.526975	50.0	755448.0	0.75509	Y



Calibration / n-Heptane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

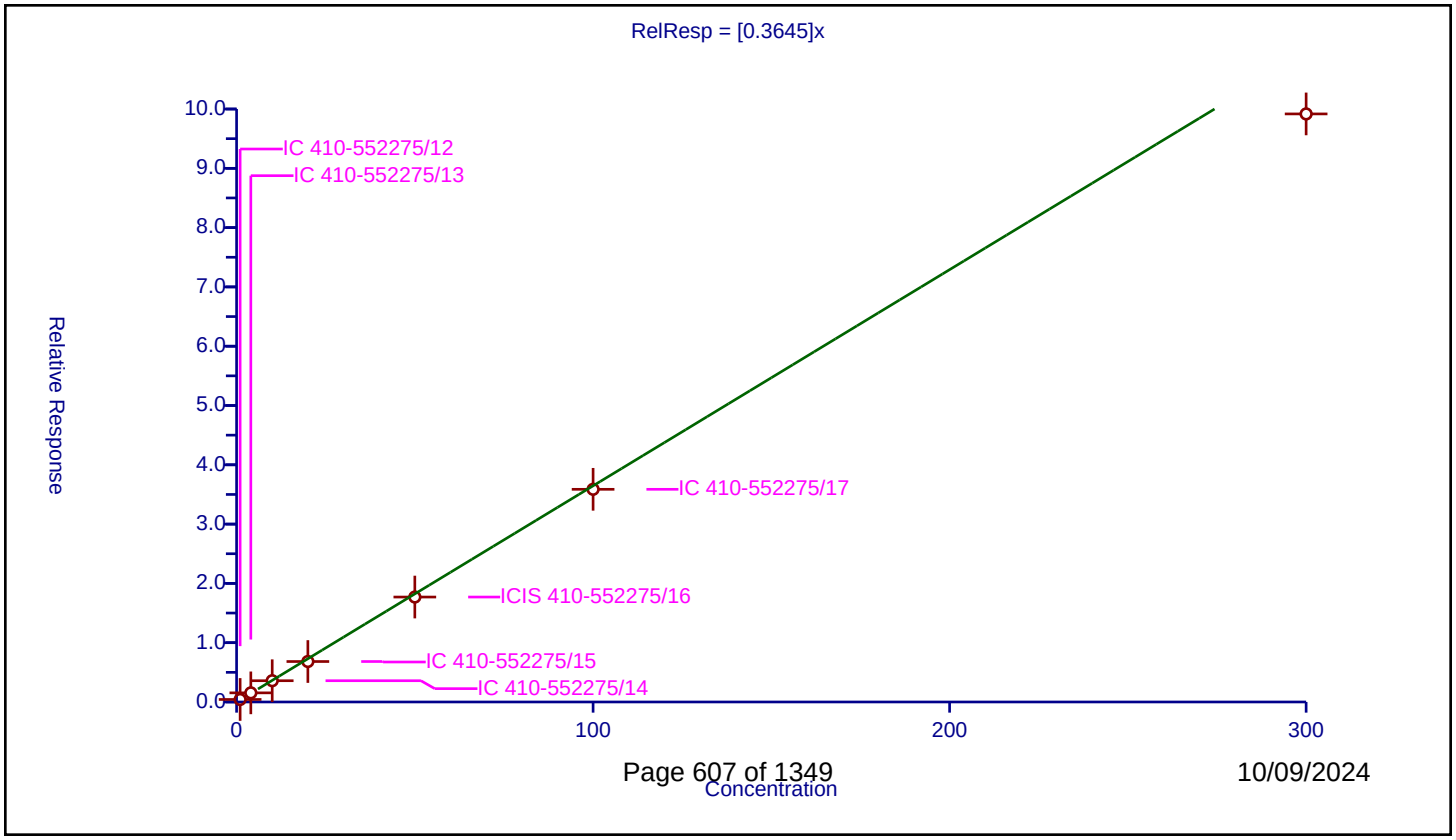
Curve Coefficients

Intercept:	0
Slope:	0.3645

Error Coefficients

Relative Standard Deviation:	8.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	1.0	0.423051	50.0	681005.0	0.423051	Y
2	IC 410-552275/13	4.0	1.542142	50.0	684308.0	0.385535	Y
3	IC 410-552275/14	10.0	3.588154	50.0	667293.0	0.358815	Y
4	IC 410-552275/15	20.0	6.825	50.0	698989.0	0.34125	Y
5	ICIS 410-552275/16	50.0	17.696642	50.0	692719.0	0.353933	Y
6	IC 410-552275/17	100.0	35.866623	50.0	693808.0	0.358666	Y
7	IC 410-552275/18	300.0	99.172544	50.0	755448.0	0.330575	Y



Calibration / n-Butanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

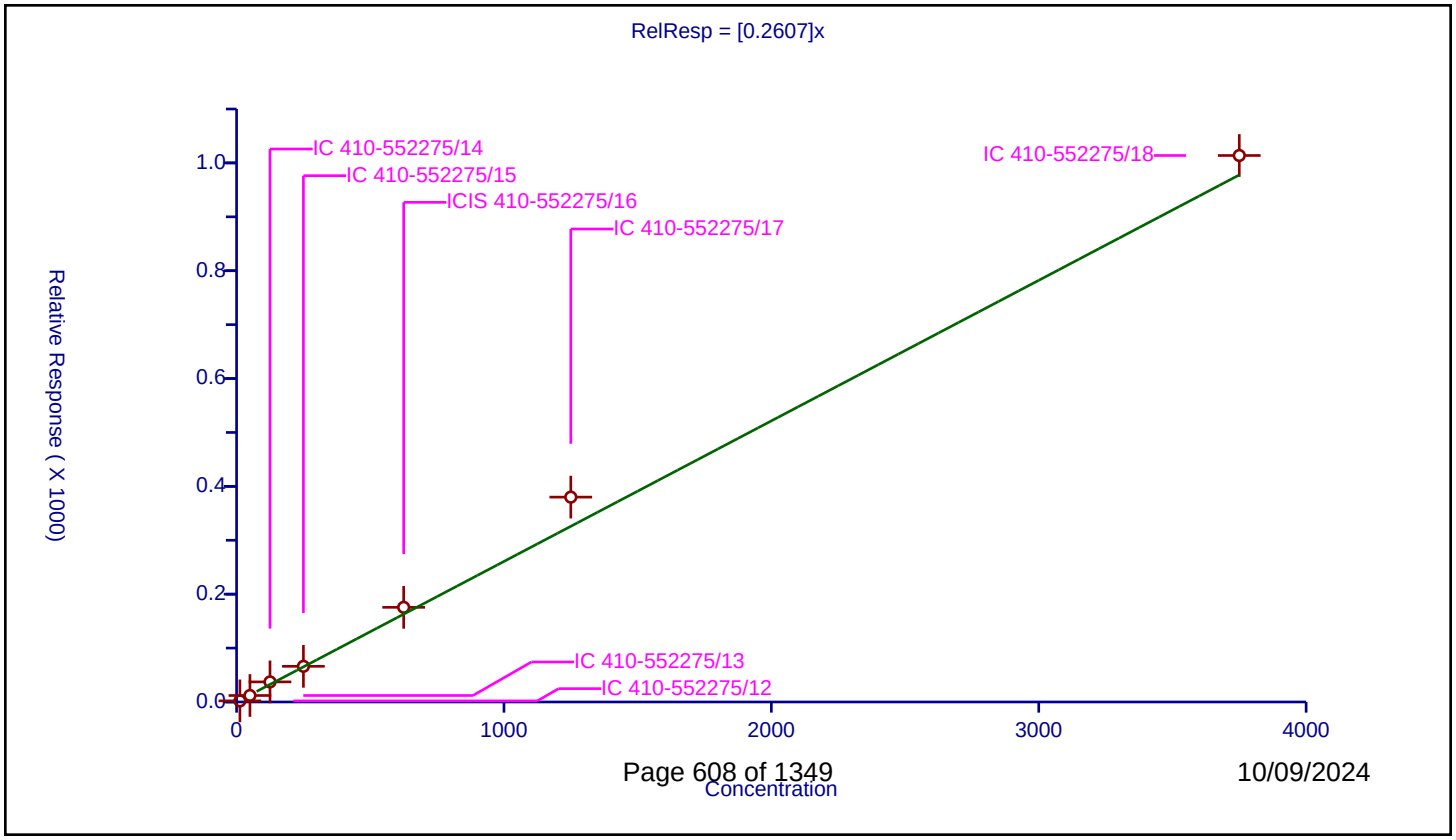
Curve Coefficients

Intercept:	0
Slope:	0.2607

Error Coefficients

Relative Standard Deviation:	18.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	12.5	2.07586	250.0	291325.0	0.166069	Y
2	IC 410-552275/13	50.0	12.043235	250.0	281299.0	0.240865	Y
3	IC 410-552275/14	125.0	37.268223	250.0	281359.0	0.298146	Y
4	IC 410-552275/15	250.0	66.174457	250.0	288495.0	0.264698	Y
5	ICIS 410-552275/16	625.0	175.573347	250.0	281156.0	0.280917	Y
6	IC 410-552275/17	1250.0	380.029939	250.0	276892.0	0.304024	Y
7	IC 410-552275/18	3750.0	1013.793523	250.0	299724.0	0.270345	Y



Calibration / Trichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

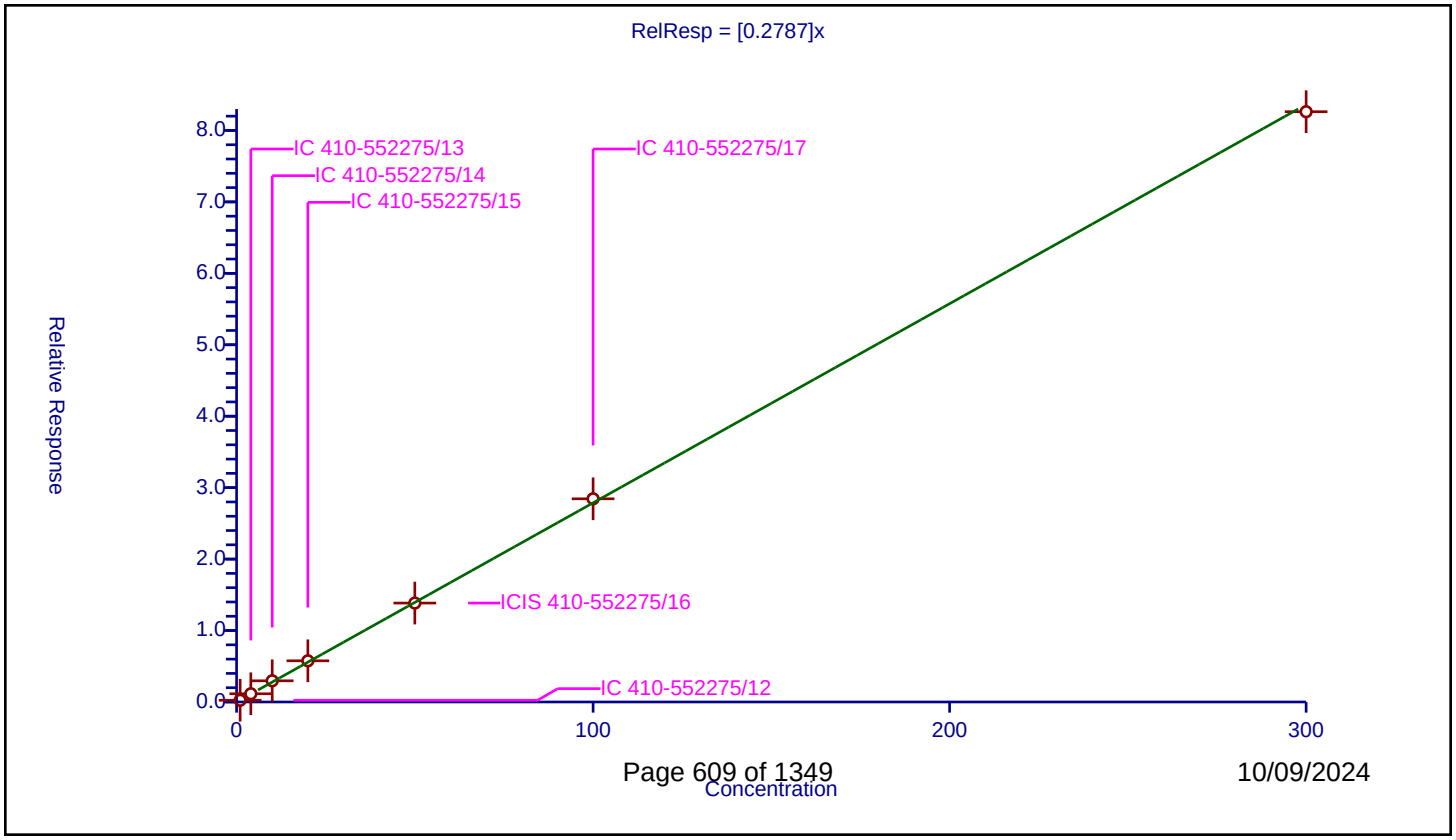
Curve Coefficients

Intercept:	0
Slope:	0.2787

Error Coefficients

Relative Standard Deviation:	6.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	1.0	0.241481	50.0	681005.0	0.241481	Y
2	IC 410-552275/13	4.0	1.152478	50.0	684308.0	0.28812	Y
3	IC 410-552275/14	10.0	2.965339	50.0	667293.0	0.296534	Y
4	IC 410-552275/15	20.0	5.766471	50.0	698989.0	0.288324	Y
5	ICIS 410-552275/16	50.0	13.844936	50.0	692719.0	0.276899	Y
6	IC 410-552275/17	100.0	28.44101	50.0	693808.0	0.28441	Y
7	IC 410-552275/18	300.0	82.622828	50.0	755448.0	0.275409	Y



Calibration / Methylcyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

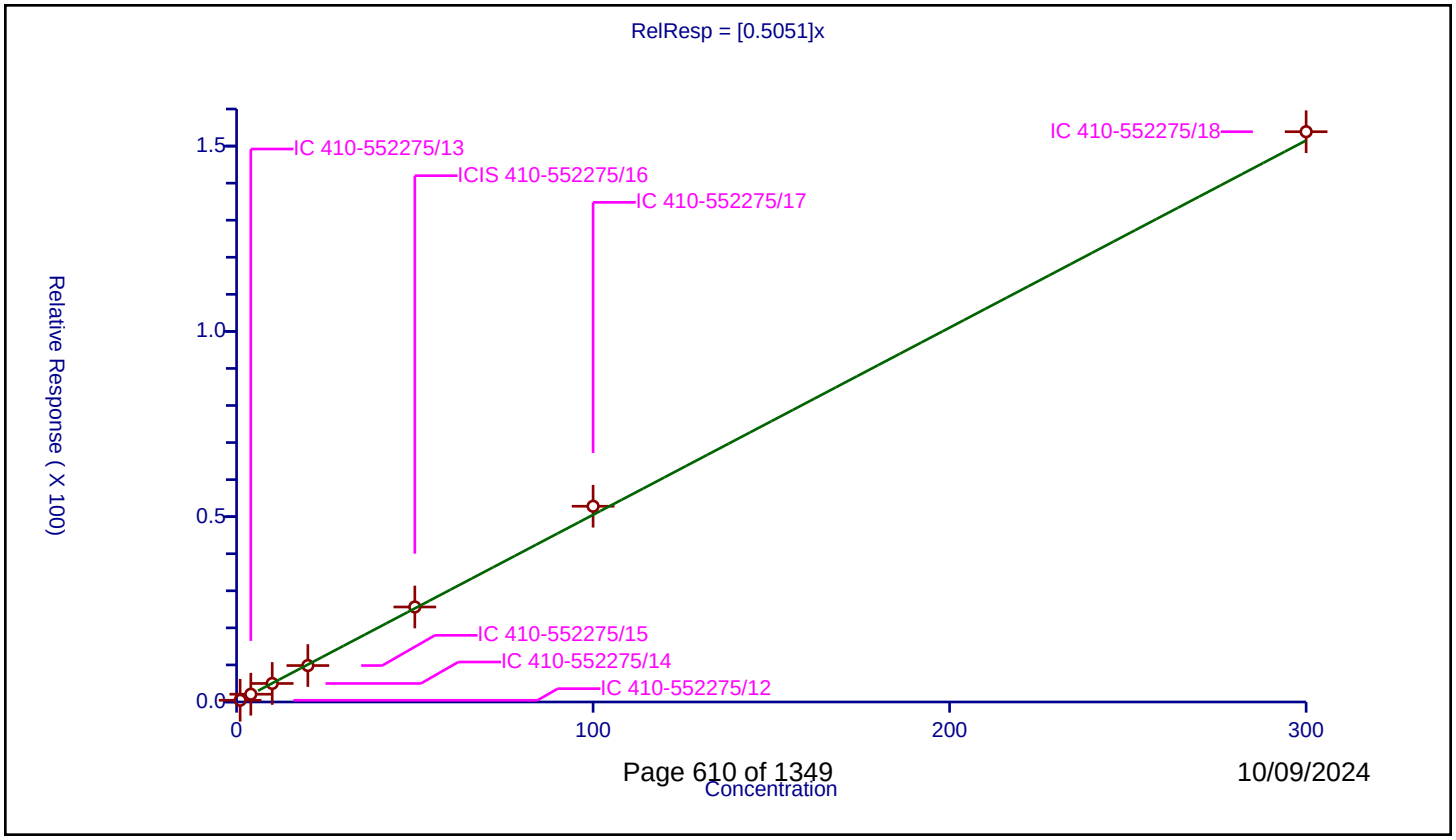
Curve Coefficients

Intercept:	0
Slope:	0.5051

Error Coefficients

Relative Standard Deviation:	4.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	1.0	0.464534	50.0	681005.0	0.464534	Y
2	IC 410-552275/13	4.0	2.101028	50.0	684308.0	0.525257	Y
3	IC 410-552275/14	10.0	4.999828	50.0	667293.0	0.499983	Y
4	IC 410-552275/15	20.0	9.835634	50.0	698989.0	0.491782	Y
5	ICIS 410-552275/16	50.0	25.63673	50.0	692719.0	0.512735	Y
6	IC 410-552275/17	100.0	52.815837	50.0	693808.0	0.528158	Y
7	IC 410-552275/18	300.0	153.875846	50.0	755448.0	0.512919	Y



Calibration / 1,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

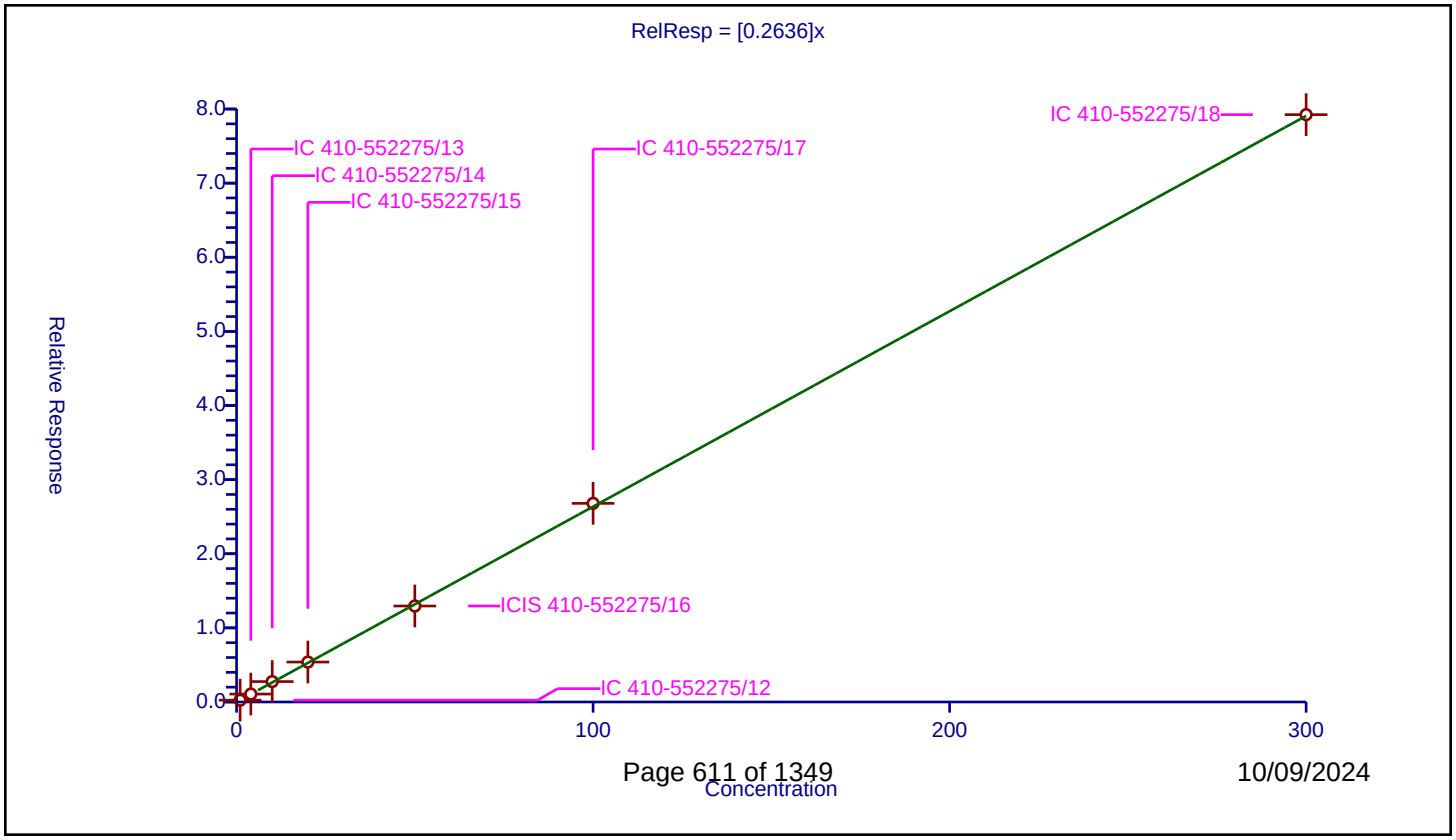
Curve Coefficients

Intercept:	0
Slope:	0.2636

Error Coefficients

Relative Standard Deviation:	4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	1.0	0.242142	50.0	681005.0	0.242142	Y
2	IC 410-552275/13	4.0	1.068744	50.0	684308.0	0.267186	Y
3	IC 410-552275/14	10.0	2.754038	50.0	667293.0	0.275404	Y
4	IC 410-552275/15	20.0	5.386637	50.0	698989.0	0.269332	Y
5	ICIS 410-552275/16	50.0	12.949551	50.0	692719.0	0.258991	Y
6	IC 410-552275/17	100.0	26.796462	50.0	693808.0	0.267965	Y
7	IC 410-552275/18	300.0	79.24106	50.0	755448.0	0.264137	Y



Calibration / 2-ethoxy-2-methyl butane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

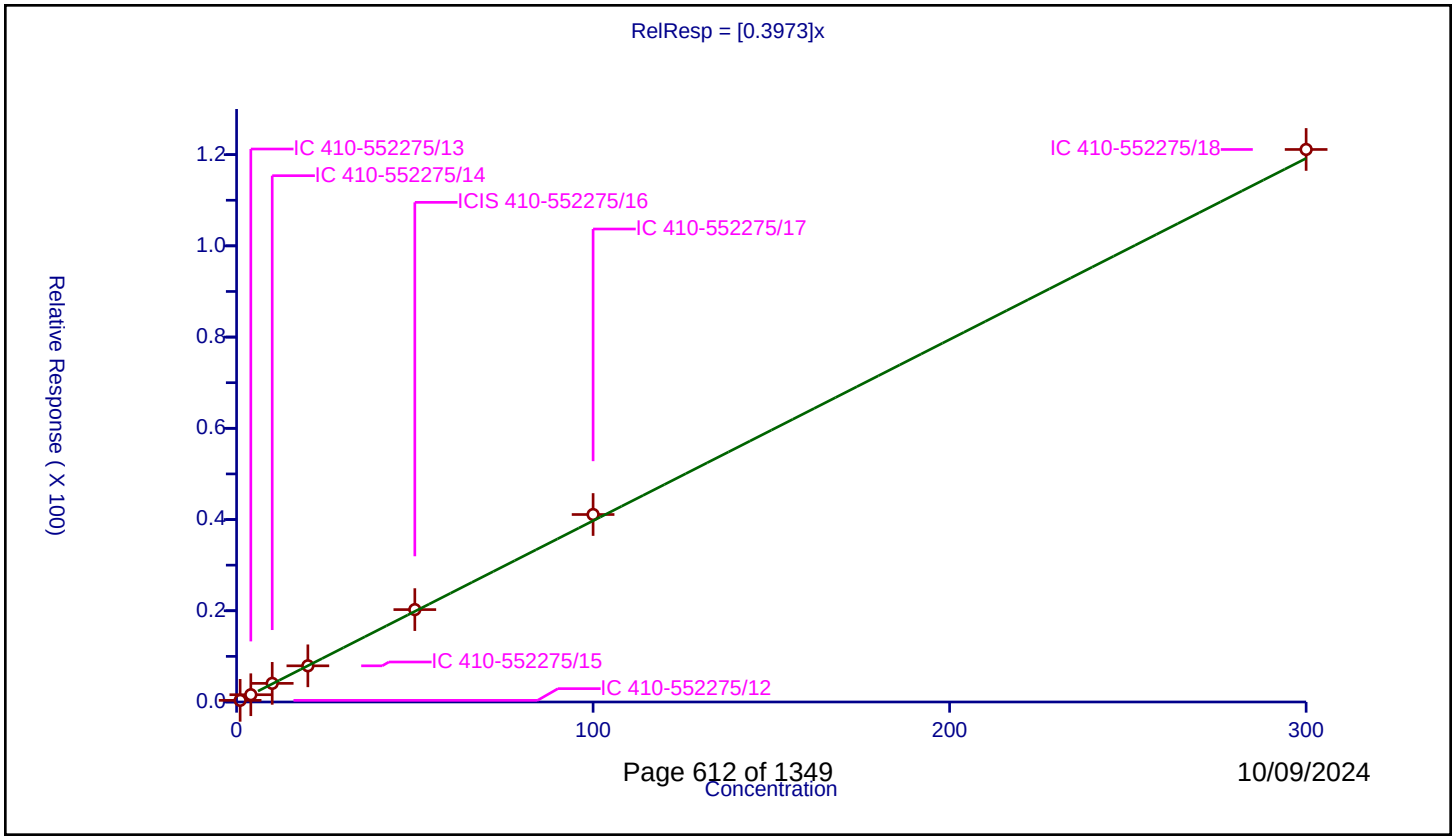
Curve Coefficients

Intercept:	0
Slope:	0.3973

Error Coefficients

Relative Standard Deviation:	4.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	1.0	0.35778	50.0	681005.0	0.35778	Y
2	IC 410-552275/13	4.0	1.594457	50.0	684308.0	0.398614	Y
3	IC 410-552275/14	10.0	4.083214	50.0	667293.0	0.408321	Y
4	IC 410-552275/15	20.0	7.928594	50.0	698989.0	0.39643	Y
5	ICIS 410-552275/16	50.0	20.252368	50.0	692719.0	0.405047	Y
6	IC 410-552275/17	100.0	41.099555	50.0	693808.0	0.410996	Y
7	IC 410-552275/18	300.0	121.133222	50.0	755448.0	0.403777	Y



Calibration / 1,4-Dioxane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

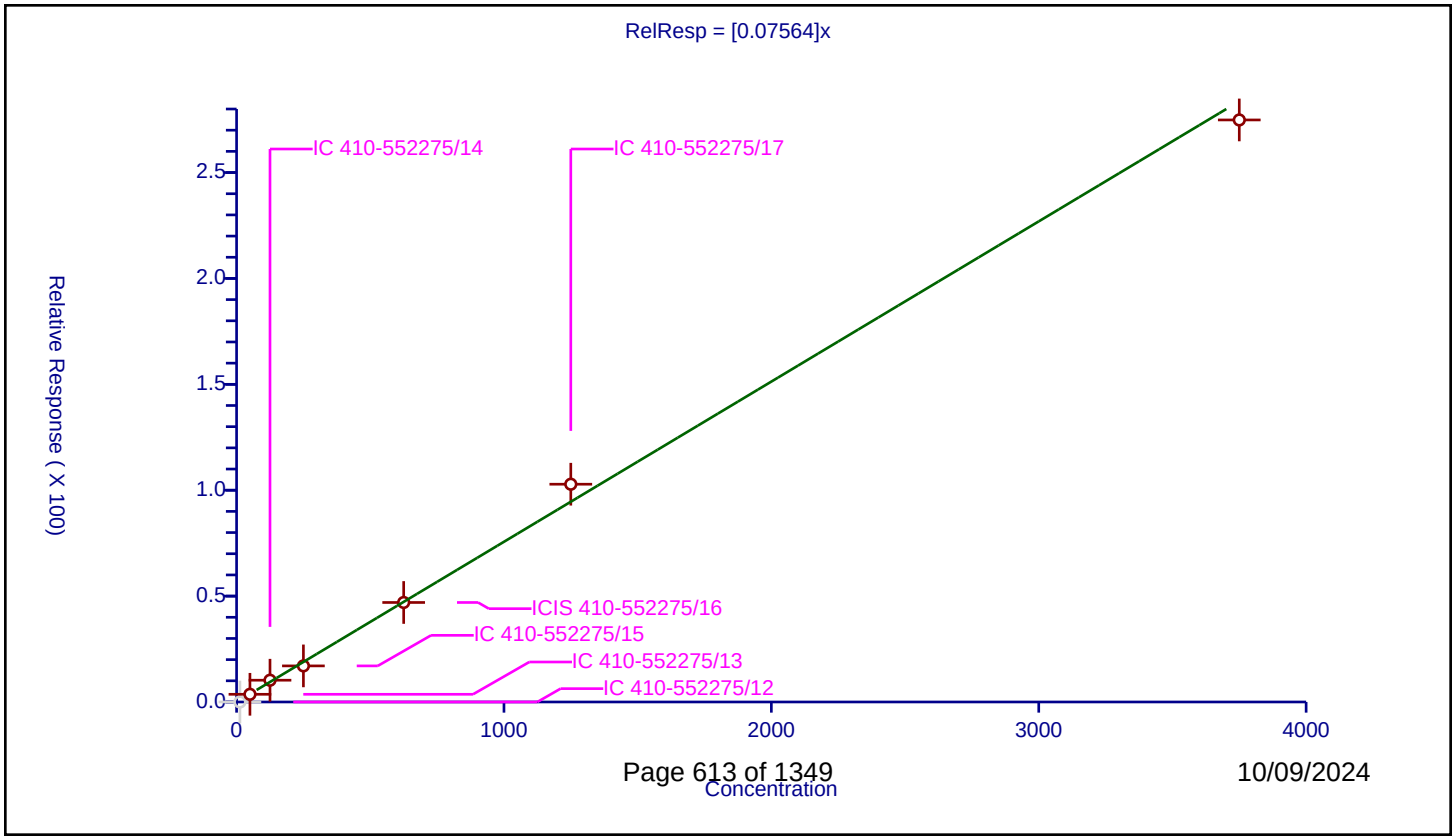
Curve Coefficients

Intercept:	0
Slope:	0.07564

Error Coefficients

Relative Standard Deviation:	7.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	12.5	0.0	250.0	291325.0	0.0	N
2	IC 410-552275/13	50.0	3.6367	250.0	281299.0	0.072734	Y
3	IC 410-552275/14	125.0	10.279572	250.0	281359.0	0.082237	Y
4	IC 410-552275/15	250.0	17.041023	250.0	288495.0	0.068164	Y
5	ICIS 410-552275/16	625.0	46.989927	250.0	281156.0	0.075184	Y
6	IC 410-552275/17	1250.0	102.826192	250.0	276892.0	0.082261	Y
7	IC 410-552275/18	3750.0	274.832012	250.0	299724.0	0.073289	Y



Calibration / Methyl methacrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

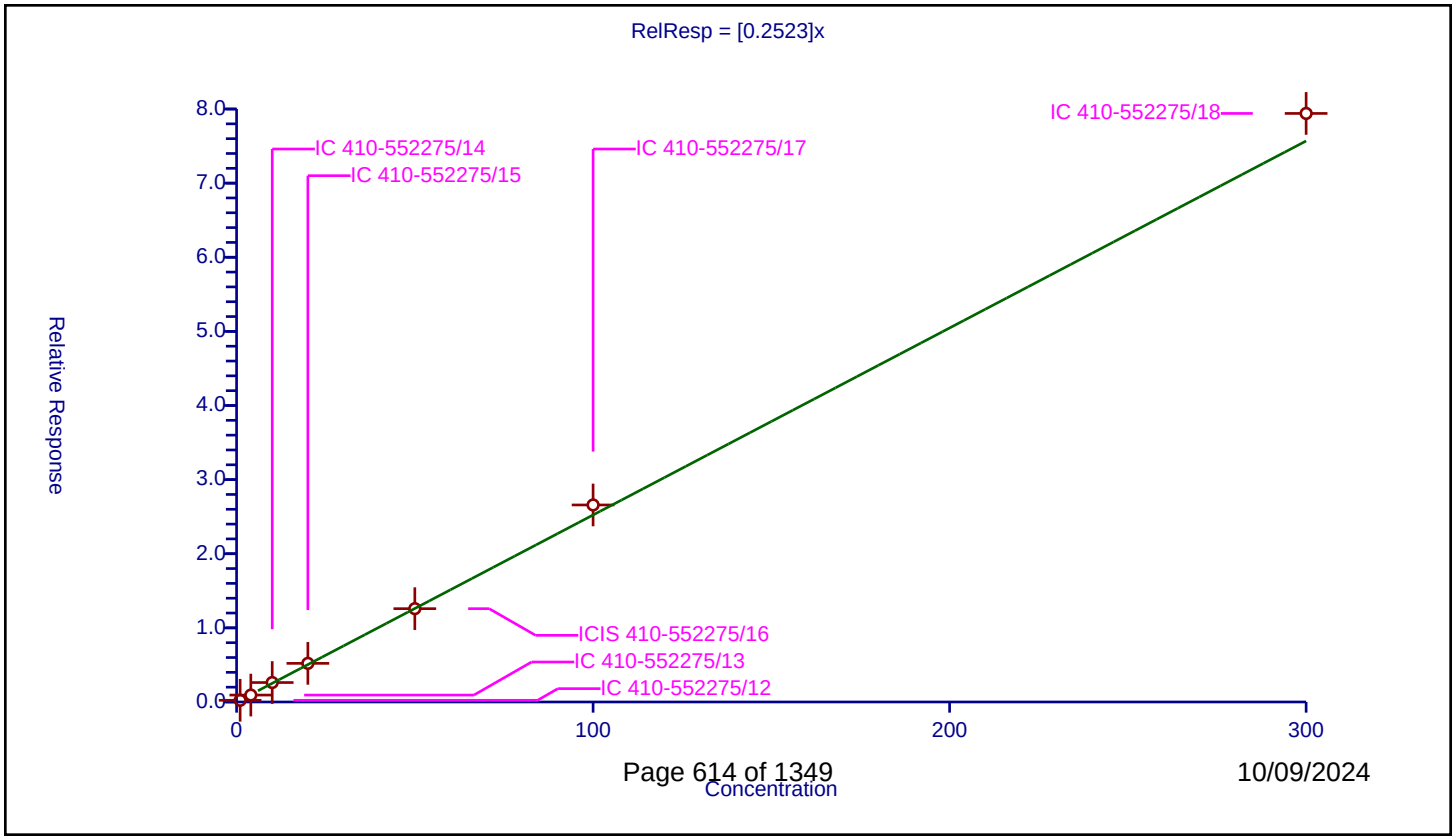
Curve Coefficients

Intercept:	0
Slope:	0.2523

Error Coefficients

Relative Standard Deviation:	6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	1.0	0.227898	50.0	681005.0	0.227898	Y
2	IC 410-552275/13	4.0	0.932402	50.0	684308.0	0.2331	Y
3	IC 410-552275/14	10.0	2.622986	50.0	667293.0	0.262299	Y
4	IC 410-552275/15	20.0	5.211384	50.0	698989.0	0.260569	Y
5	ICIS 410-552275/16	50.0	12.588366	50.0	692719.0	0.251767	Y
6	IC 410-552275/17	100.0	26.579832	50.0	693808.0	0.265798	Y
7	IC 410-552275/18	300.0	79.40348	50.0	755448.0	0.264678	Y



Calibration / Dibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

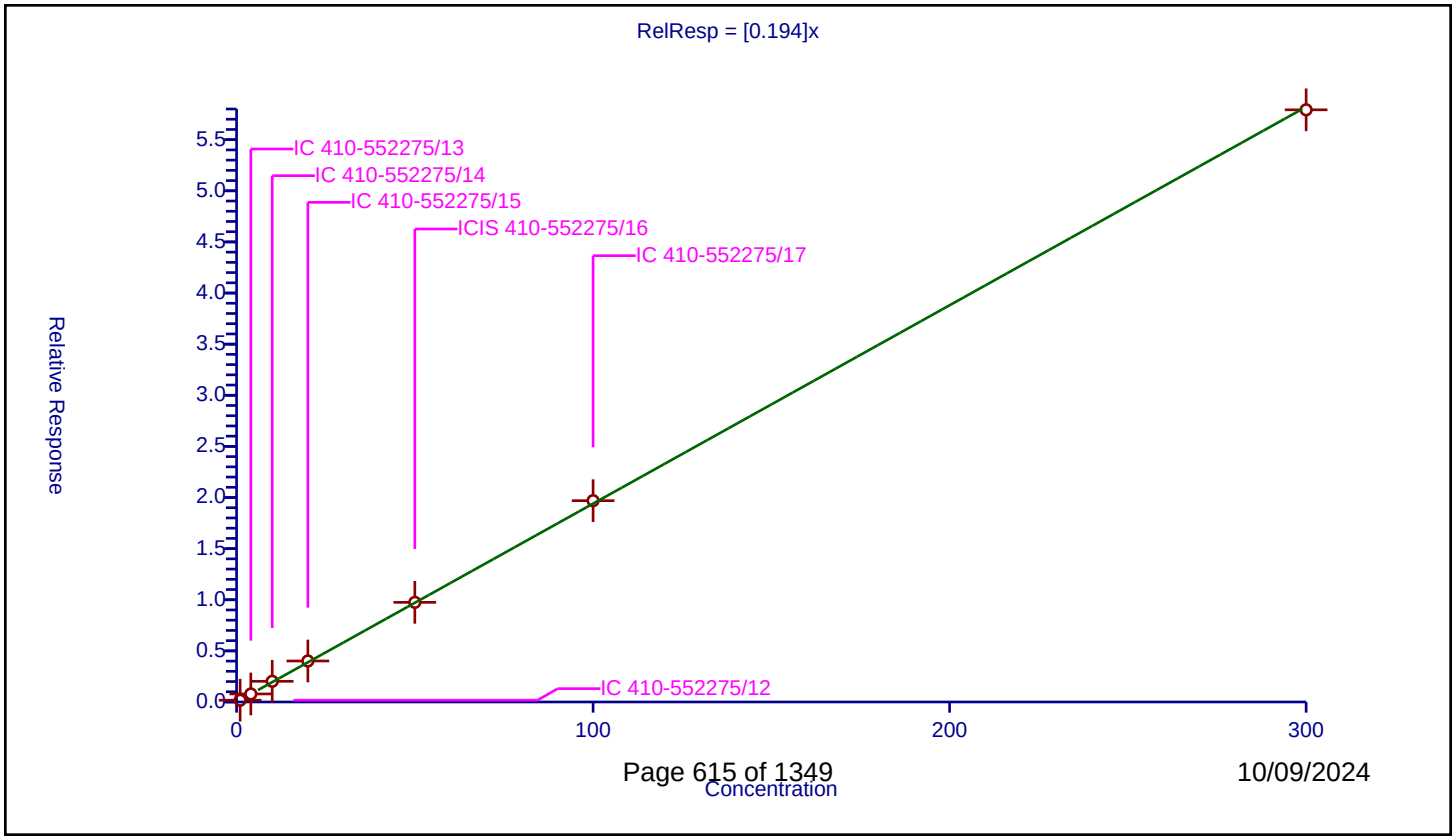
Curve Coefficients

Intercept:	0
Slope:	0.194

Error Coefficients

Relative Standard Deviation:	4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	1.0	0.17364	50.0	681005.0	0.17364	Y
2	IC 410-552275/13	4.0	0.786926	50.0	684308.0	0.196732	Y
3	IC 410-552275/14	10.0	2.0228	50.0	667293.0	0.20228	Y
4	IC 410-552275/15	20.0	4.011508	50.0	698989.0	0.200575	Y
5	ICIS 410-552275/16	50.0	9.746881	50.0	692719.0	0.194938	Y
6	IC 410-552275/17	100.0	19.691255	50.0	693808.0	0.196913	Y
7	IC 410-552275/18	300.0	57.922517	50.0	755448.0	0.193075	Y



Calibration / Dichlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

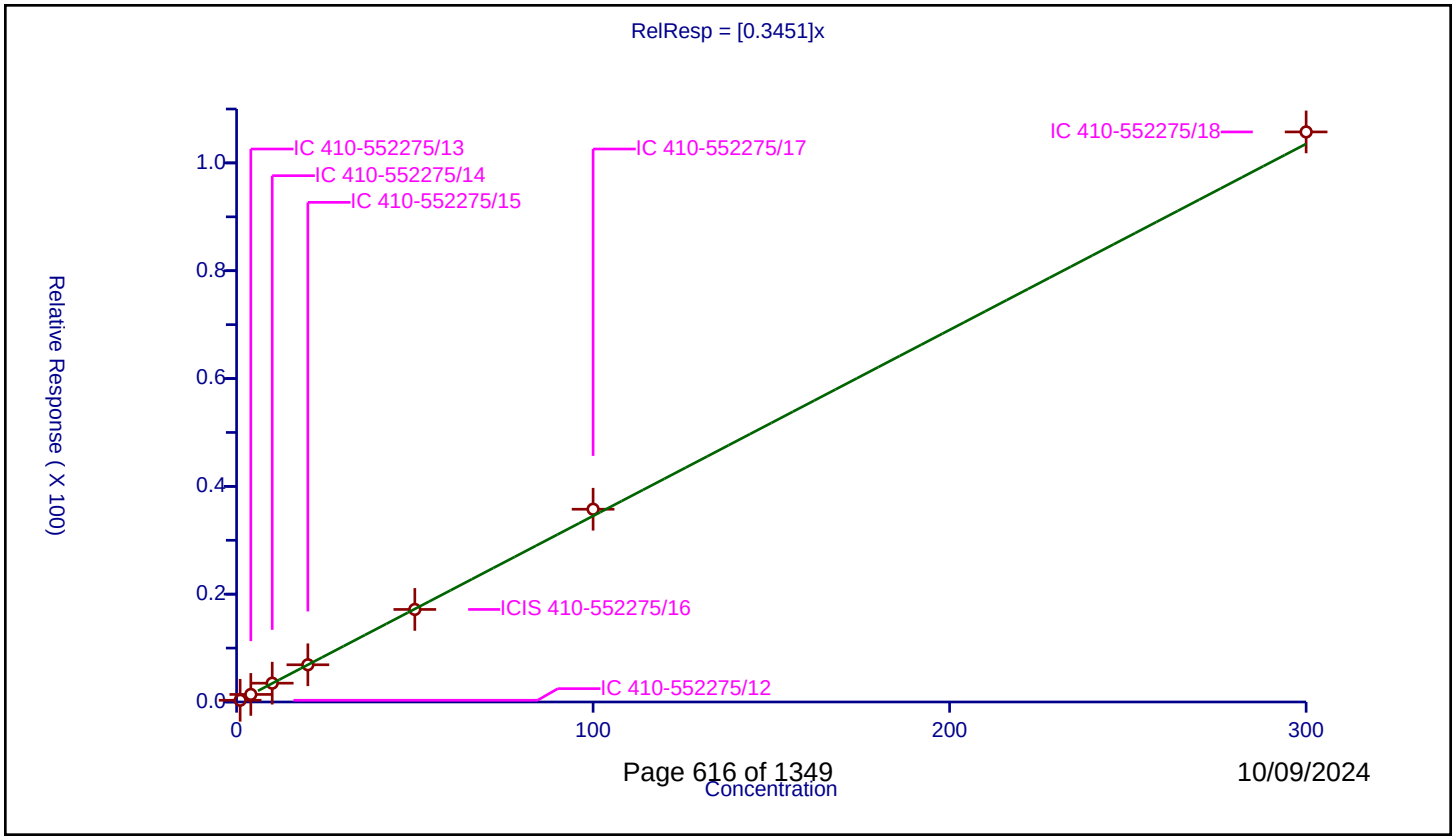
Curve Coefficients

Intercept:	0
Slope:	0.3451

Error Coefficients

Relative Standard Deviation:	3.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	1.0	0.317399	50.0	681005.0	0.317399	Y
2	IC 410-552275/13	4.0	1.403462	50.0	684308.0	0.350865	Y
3	IC 410-552275/14	10.0	3.488498	50.0	667293.0	0.34885	Y
4	IC 410-552275/15	20.0	6.904329	50.0	698989.0	0.345216	Y
5	ICIS 410-552275/16	50.0	17.167567	50.0	692719.0	0.343351	Y
6	IC 410-552275/17	100.0	35.76047	50.0	693808.0	0.357605	Y
7	IC 410-552275/18	300.0	105.748311	50.0	755448.0	0.352494	Y



Calibration / 2-Nitropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

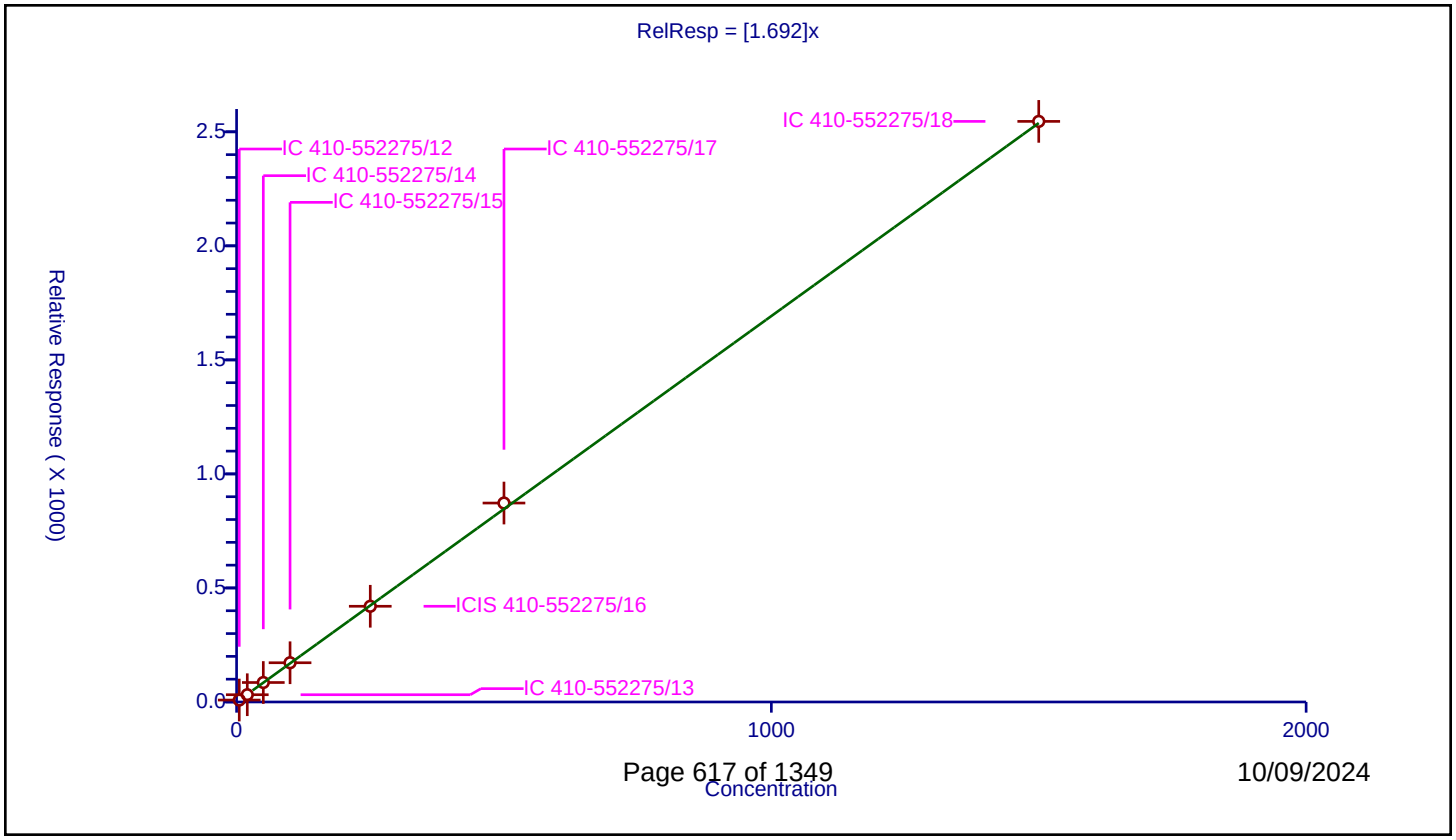
Curve Coefficients

Intercept:	0
Slope:	1.692

Error Coefficients

Relative Standard Deviation:	2.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	5.0	8.52656	250.0	291325.0	1.705312	Y
2	IC 410-552275/13	20.0	31.806014	250.0	281299.0	1.590301	Y
3	IC 410-552275/14	50.0	85.447773	250.0	281359.0	1.708955	Y
4	IC 410-552275/15	100.0	172.025512	250.0	288495.0	1.720255	Y
5	ICIS 410-552275/16	250.0	419.727838	250.0	281156.0	1.678911	Y
6	IC 410-552275/17	500.0	872.292266	250.0	276892.0	1.744585	Y
7	IC 410-552275/18	1500.0	2545.792129	250.0	299724.0	1.697195	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

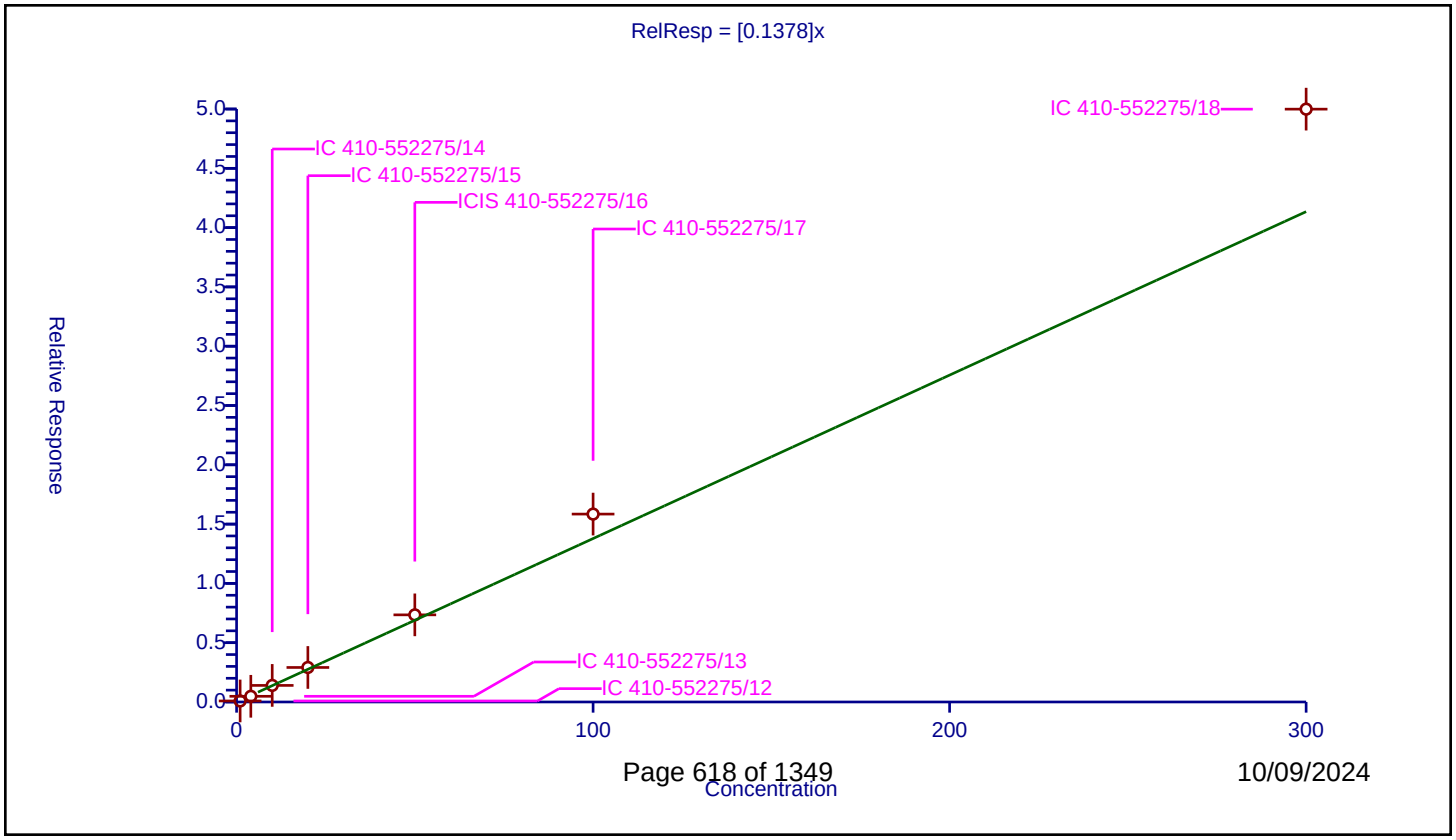
Curve Coefficients

Intercept:	0
Slope:	0.1378

Error Coefficients

Relative Standard Deviation:	19.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	1.0	0.087665	50.0	681005.0	0.087665	Y
2	IC 410-552275/13	4.0	0.47917	50.0	684308.0	0.119793	Y
3	IC 410-552275/14	10.0	1.397062	50.0	667293.0	0.139706	Y
4	IC 410-552275/15	20.0	2.91099	50.0	698989.0	0.14555	Y
5	ICIS 410-552275/16	50.0	7.346124	50.0	692719.0	0.146922	Y
6	IC 410-552275/17	100.0	15.843432	50.0	693808.0	0.158434	Y
7	IC 410-552275/18	300.0	49.988682	50.0	755448.0	0.166629	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

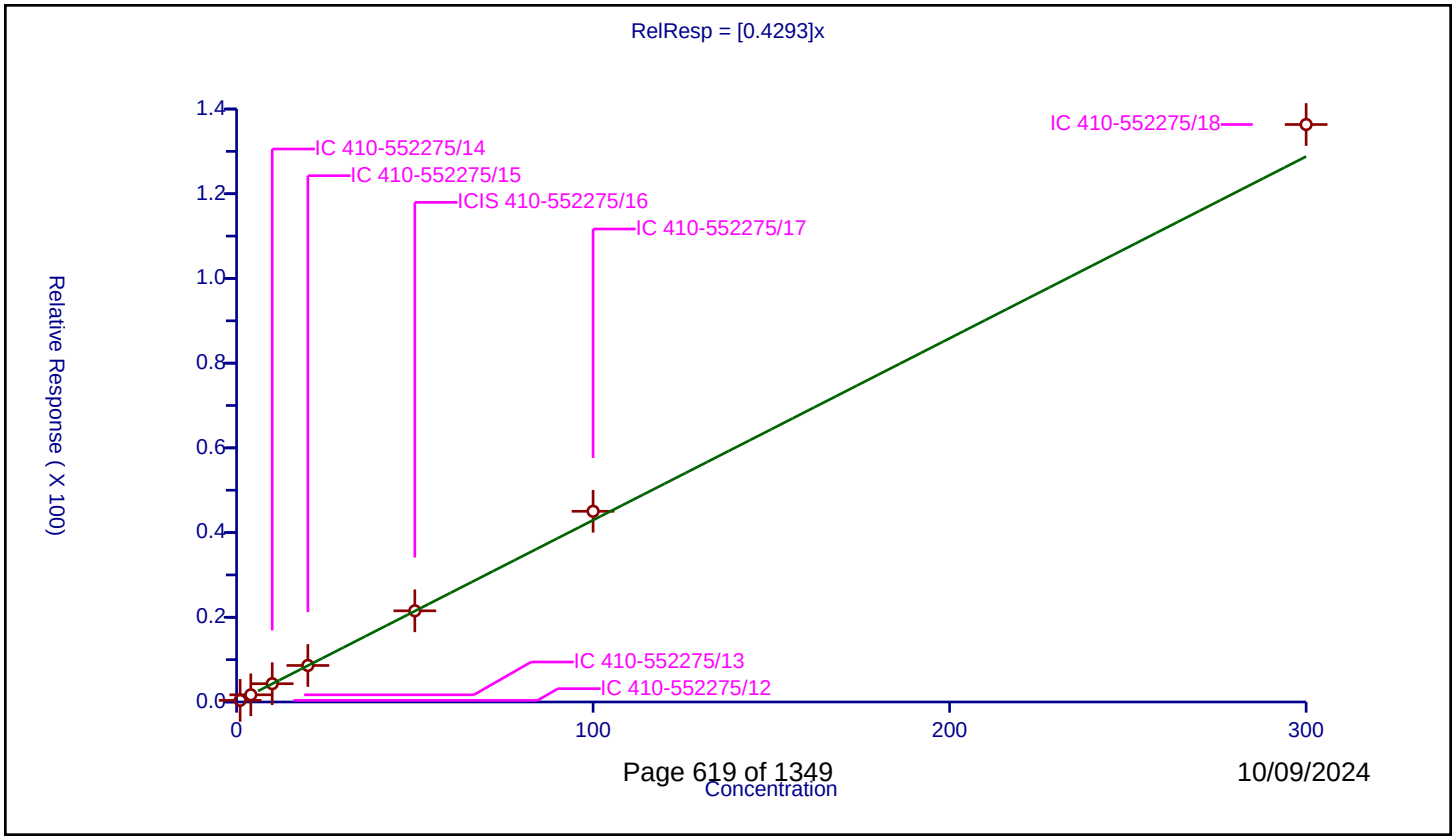
Curve Coefficients

Intercept:	0
Slope:	0.4293

Error Coefficients

Relative Standard Deviation:	5.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	1.0	0.383257	50.0	681005.0	0.383257	Y
2	IC 410-552275/13	4.0	1.694997	50.0	684308.0	0.423749	Y
3	IC 410-552275/14	10.0	4.31662	50.0	667293.0	0.431662	Y
4	IC 410-552275/15	20.0	8.621809	50.0	698989.0	0.43109	Y
5	ICIS 410-552275/16	50.0	21.530592	50.0	692719.0	0.430612	Y
6	IC 410-552275/17	100.0	45.024416	50.0	693808.0	0.450244	Y
7	IC 410-552275/18	300.0	136.341151	50.0	755448.0	0.454471	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

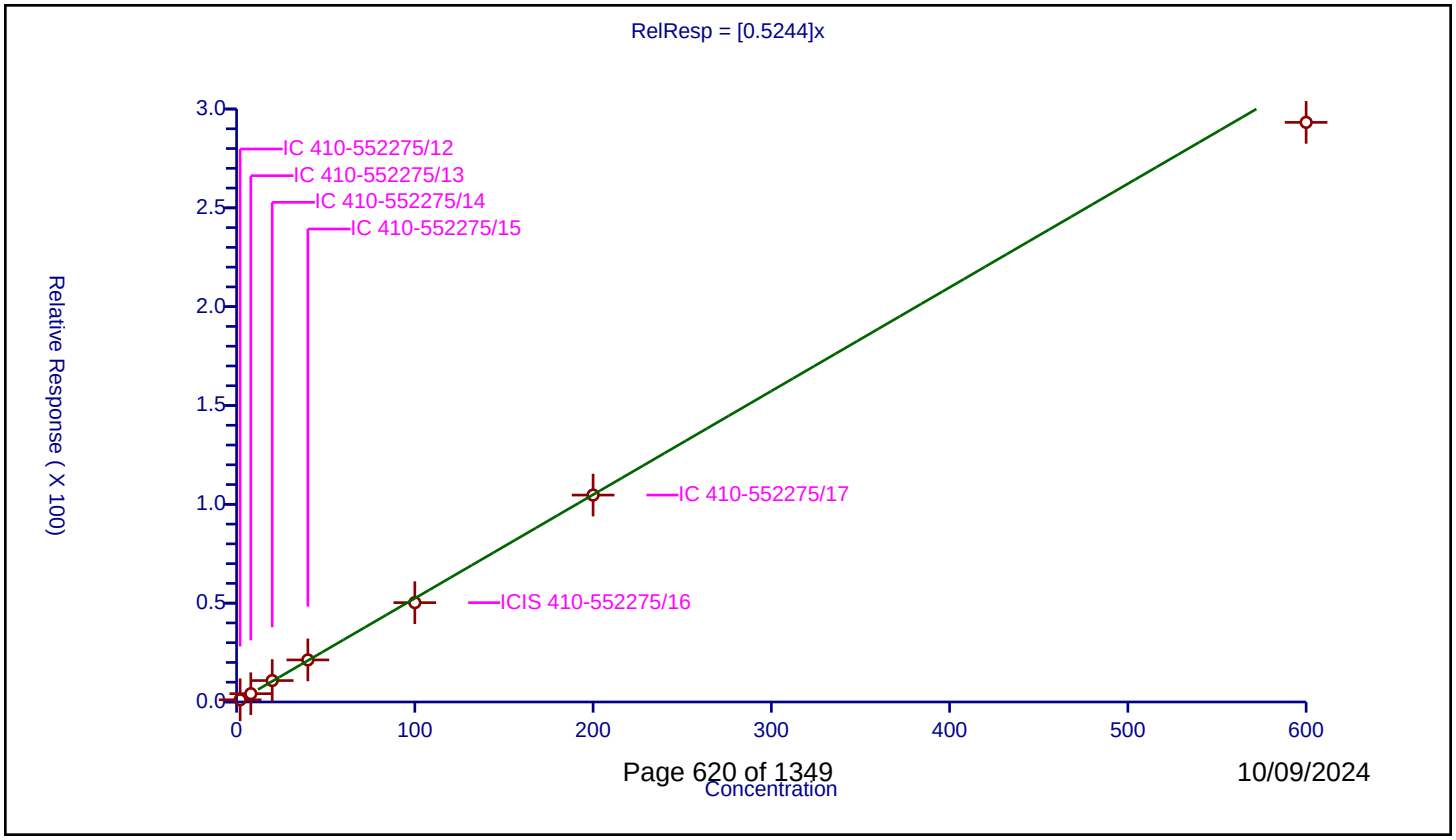
Curve Coefficients

Intercept:	0
Slope:	0.5244

Error Coefficients

Relative Standard Deviation:	4.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	2.0	1.114089	50.0	681005.0	0.557044	Y
2	IC 410-552275/13	8.0	4.198913	50.0	684308.0	0.524864	Y
3	IC 410-552275/14	20.0	10.83587	50.0	667293.0	0.541793	Y
4	IC 410-552275/15	40.0	21.283382	50.0	698989.0	0.532085	Y
5	ICIS 410-552275/16	100.0	50.268291	50.0	692719.0	0.502683	Y
6	IC 410-552275/17	200.0	104.682347	50.0	693808.0	0.523412	Y
7	IC 410-552275/18	600.0	293.241957	50.0	755448.0	0.488737	Y



Calibration / Toluene-d8 (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

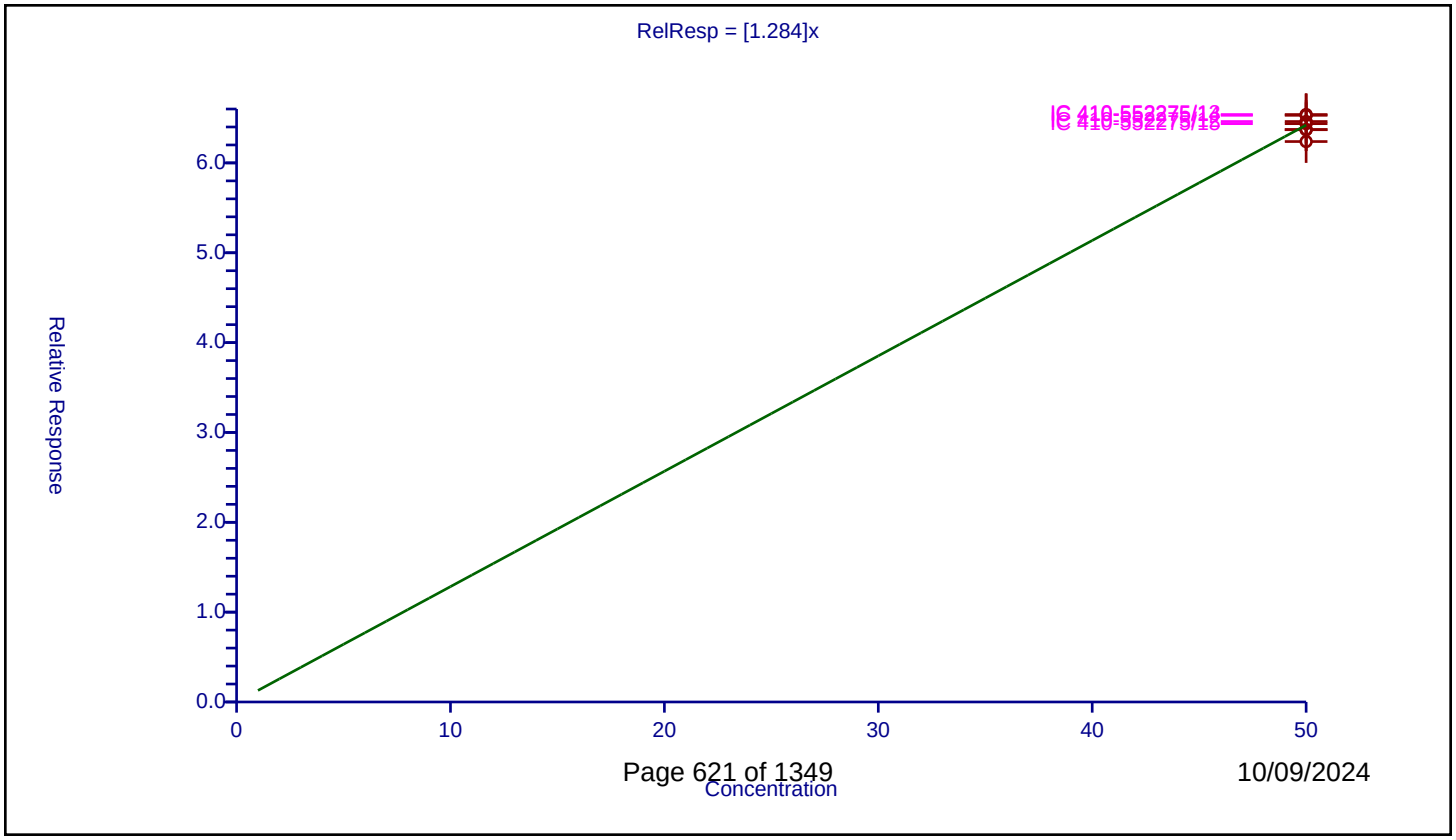
Curve Coefficients

Intercept:	0
Slope:	1.284

Error Coefficients

Relative Standard Deviation:	1.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	50.0	64.606944	50.0	521656.0	1.292139	Y
2	IC 410-552275/13	50.0	65.384219	50.0	523764.0	1.307684	Y
3	IC 410-552275/14	50.0	65.300547	50.0	509155.0	1.306011	Y
4	IC 410-552275/15	50.0	64.366213	50.0	546414.0	1.287324	Y
5	ICIS 410-552275/16	50.0	63.71718	50.0	551305.0	1.274344	Y
6	IC 410-552275/17	50.0	63.693332	50.0	561233.0	1.273867	Y
7	IC 410-552275/18	50.0	62.377648	50.0	635666.0	1.247553	Y



Calibration / Toluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

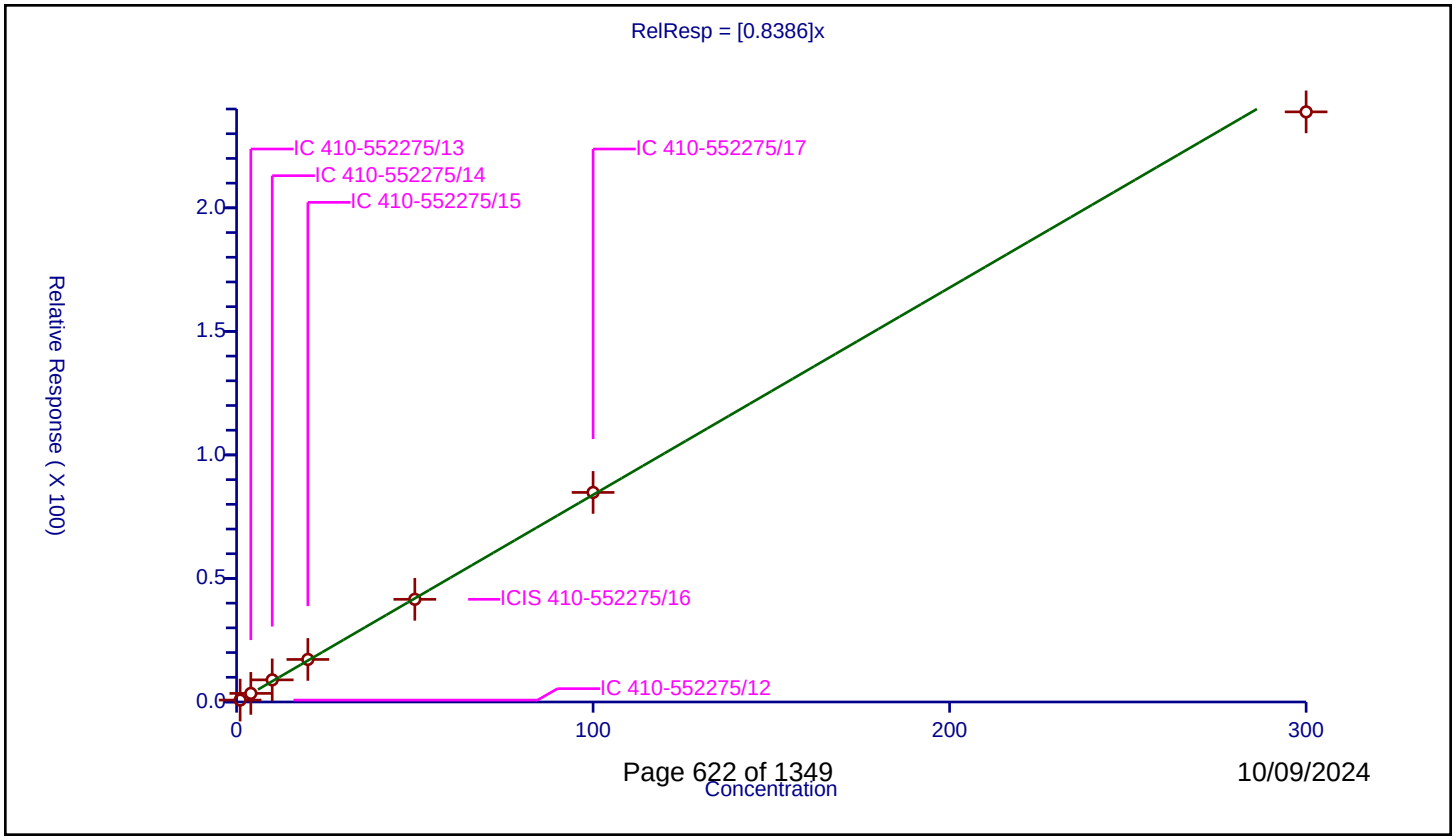
Curve Coefficients

Intercept:	0
Slope:	0.8386

Error Coefficients

Relative Standard Deviation:	5.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	1.0	0.76861	50.0	521656.0	0.76861	Y
2	IC 410-552275/13	4.0	3.478952	50.0	523764.0	0.869738	Y
3	IC 410-552275/14	10.0	8.948847	50.0	509155.0	0.894885	Y
4	IC 410-552275/15	20.0	17.221649	50.0	546414.0	0.861082	Y
5	ICIS 410-552275/16	50.0	41.562837	50.0	551305.0	0.831257	Y
6	IC 410-552275/17	100.0	84.820387	50.0	561233.0	0.848204	Y
7	IC 410-552275/18	300.0	238.841624	50.0	635666.0	0.796139	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

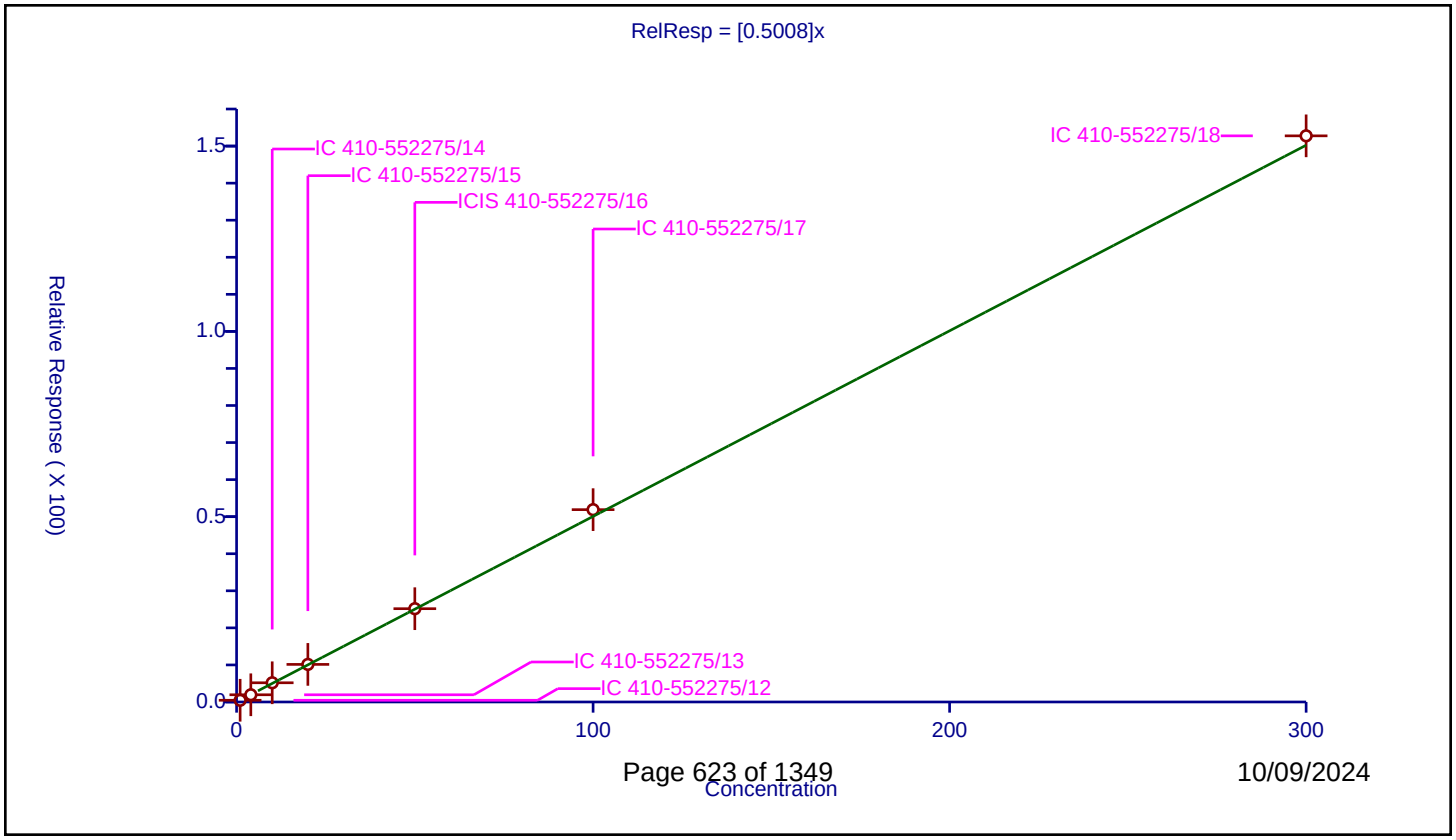
Curve Coefficients

Intercept:	0
Slope:	0.5008

Error Coefficients

Relative Standard Deviation:	4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	1.0	0.461223	50.0	521656.0	0.461223	Y
2	IC 410-552275/13	4.0	1.949638	50.0	523764.0	0.487409	Y
3	IC 410-552275/14	10.0	5.182115	50.0	509155.0	0.518212	Y
4	IC 410-552275/15	20.0	10.139107	50.0	546414.0	0.506955	Y
5	ICIS 410-552275/16	50.0	25.170731	50.0	551305.0	0.503415	Y
6	IC 410-552275/17	100.0	51.893777	50.0	561233.0	0.518938	Y
7	IC 410-552275/18	300.0	152.763637	50.0	635666.0	0.509212	Y



Calibration / Ethyl methacrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

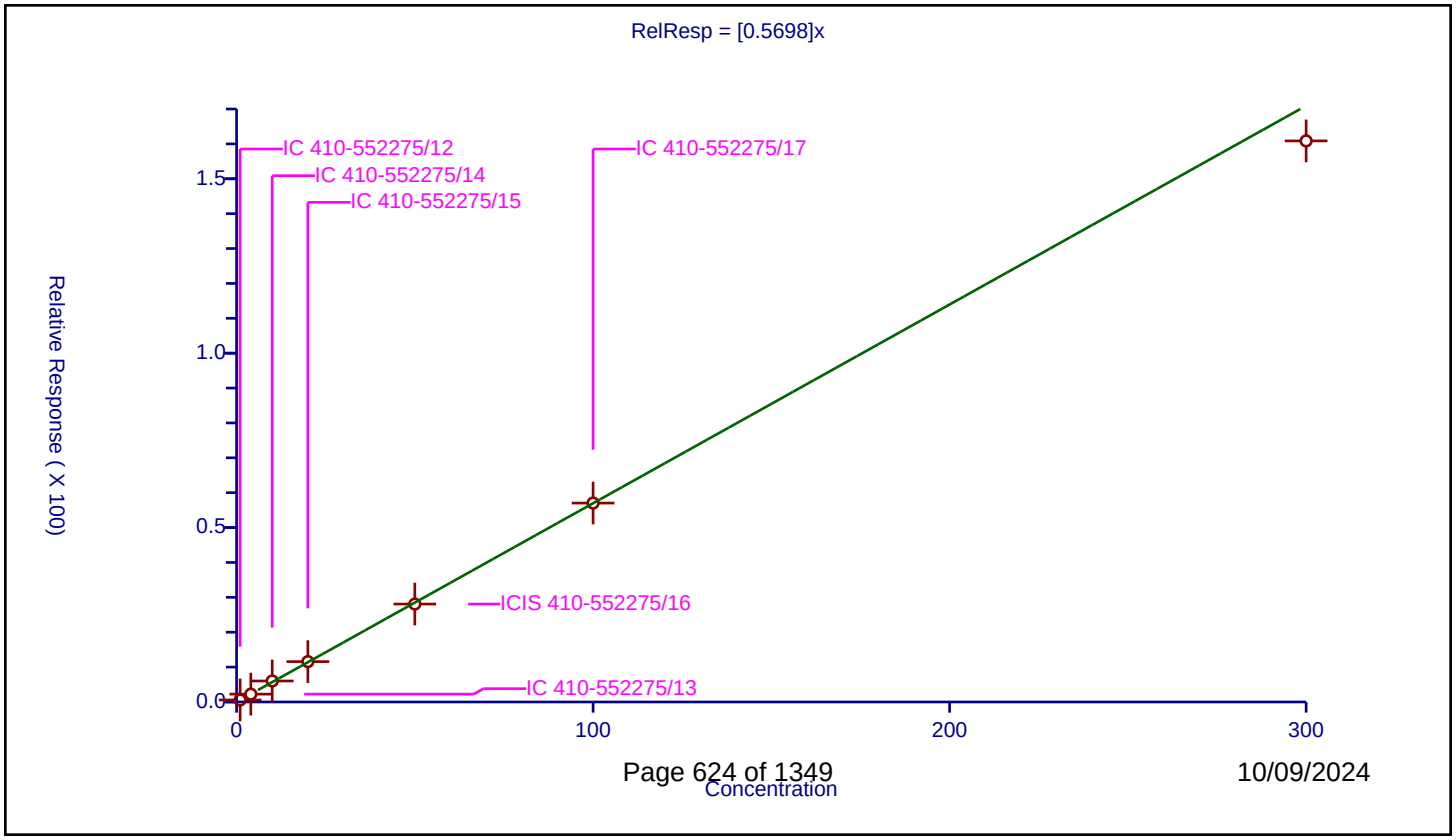
Curve Coefficients

Intercept:	0
Slope:	0.5698

Error Coefficients

Relative Standard Deviation:	3.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	1.0	0.576338	50.0	521656.0	0.576338	Y
2	IC 410-552275/13	4.0	2.255119	50.0	523764.0	0.56378	Y
3	IC 410-552275/14	10.0	6.016734	50.0	509155.0	0.601673	Y
4	IC 410-552275/15	20.0	11.570805	50.0	546414.0	0.57854	Y
5	ICIS 410-552275/16	50.0	28.074115	50.0	551305.0	0.561482	Y
6	IC 410-552275/17	100.0	57.028988	50.0	561233.0	0.57029	Y
7	IC 410-552275/18	300.0	160.854678	50.0	635666.0	0.536182	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

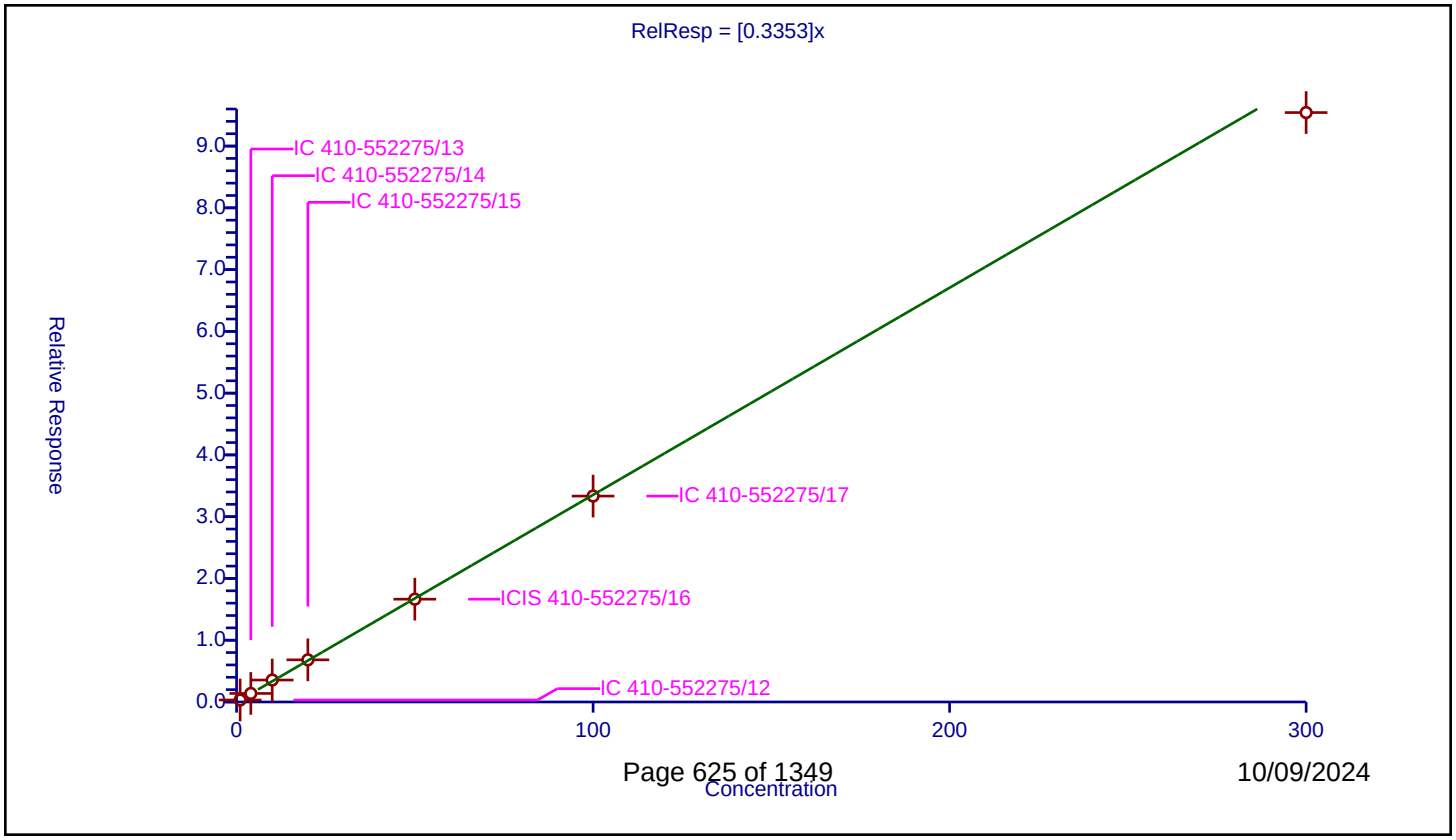
Curve Coefficients

Intercept:	0
Slope:	0.3353

Error Coefficients

Relative Standard Deviation:	3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	1.0	0.320997	50.0	521656.0	0.320997	Y
2	IC 410-552275/13	4.0	1.38192	50.0	523764.0	0.34548	Y
3	IC 410-552275/14	10.0	3.554222	50.0	509155.0	0.355422	Y
4	IC 410-552275/15	20.0	6.821385	50.0	546414.0	0.341069	Y
5	ICIS 410-552275/16	50.0	16.643509	50.0	551305.0	0.33287	Y
6	IC 410-552275/17	100.0	33.335798	50.0	561233.0	0.333358	Y
7	IC 410-552275/18	300.0	95.423855	50.0	635666.0	0.31808	Y



Calibration / Tetrachloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

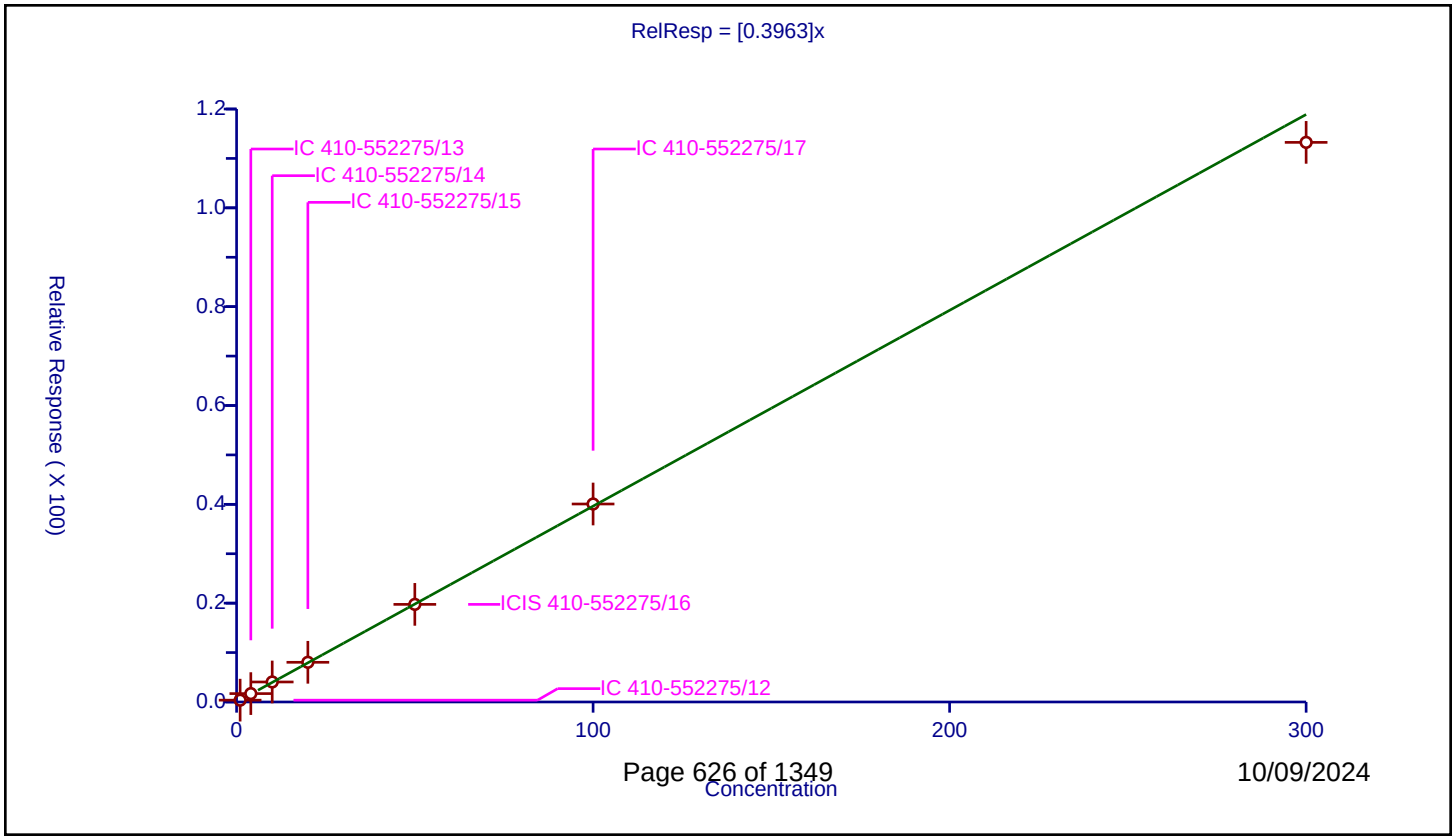
Curve Coefficients

Intercept:	0
Slope:	0.3963

Error Coefficients

Relative Standard Deviation:	4.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	1.0	0.369976	50.0	521656.0	0.369976	Y
2	IC 410-552275/13	4.0	1.696661	50.0	523764.0	0.424165	Y
3	IC 410-552275/14	10.0	4.051713	50.0	509155.0	0.405171	Y
4	IC 410-552275/15	20.0	8.034018	50.0	546414.0	0.401701	Y
5	ICIS 410-552275/16	50.0	19.751317	50.0	551305.0	0.395026	Y
6	IC 410-552275/17	100.0	40.067851	50.0	561233.0	0.400679	Y
7	IC 410-552275/18	300.0	113.25004	50.0	635666.0	0.3775	Y



Calibration / 1,3-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

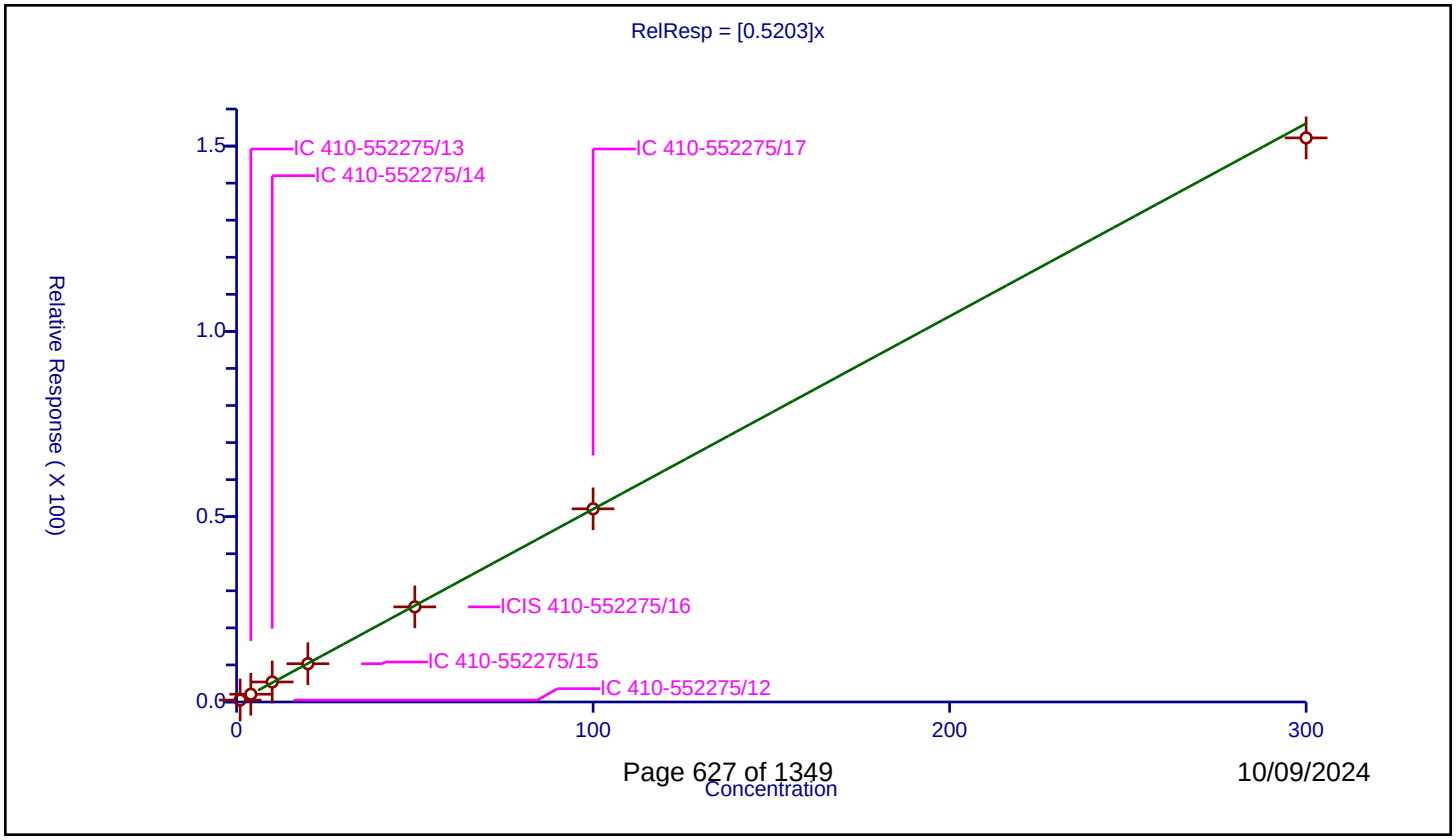
Curve Coefficients

Intercept:	0
Slope:	0.5203

Error Coefficients

Relative Standard Deviation:	2.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	1.0	0.518829	50.0	521656.0	0.518829	Y
2	IC 410-552275/13	4.0	2.100755	50.0	523764.0	0.525189	Y
3	IC 410-552275/14	10.0	5.400026	50.0	509155.0	0.540003	Y
4	IC 410-552275/15	20.0	10.331452	50.0	546414.0	0.516573	Y
5	ICIS 410-552275/16	50.0	25.661657	50.0	551305.0	0.513233	Y
6	IC 410-552275/17	100.0	52.123182	50.0	561233.0	0.521232	Y
7	IC 410-552275/18	300.0	152.205797	50.0	635666.0	0.507353	Y



Calibration / 2-Hexanone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

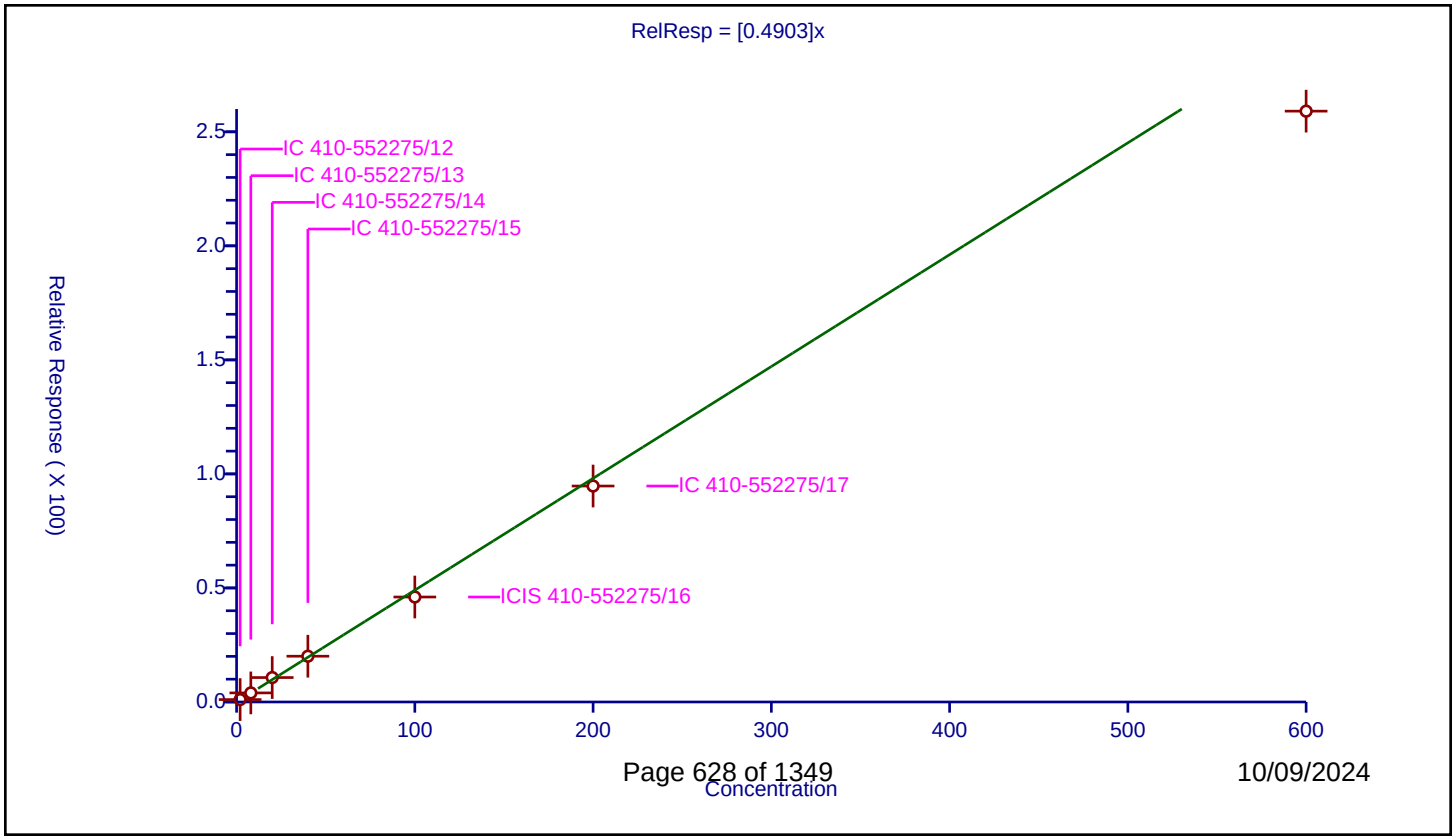
Curve Coefficients

Intercept:	0
Slope:	0.4903

Error Coefficients

Relative Standard Deviation:	7.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	2.0	1.062673	50.0	521656.0	0.531337	Y
2	IC 410-552275/13	8.0	3.980705	50.0	523764.0	0.497588	Y
3	IC 410-552275/14	20.0	10.721391	50.0	509155.0	0.53607	Y
4	IC 410-552275/15	40.0	20.071228	50.0	546414.0	0.501781	Y
5	ICIS 410-552275/16	100.0	46.030328	50.0	551305.0	0.460303	Y
6	IC 410-552275/17	200.0	94.688481	50.0	561233.0	0.473442	Y
7	IC 410-552275/18	600.0	259.061048	50.0	635666.0	0.431768	Y



Calibration / Chlorodibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

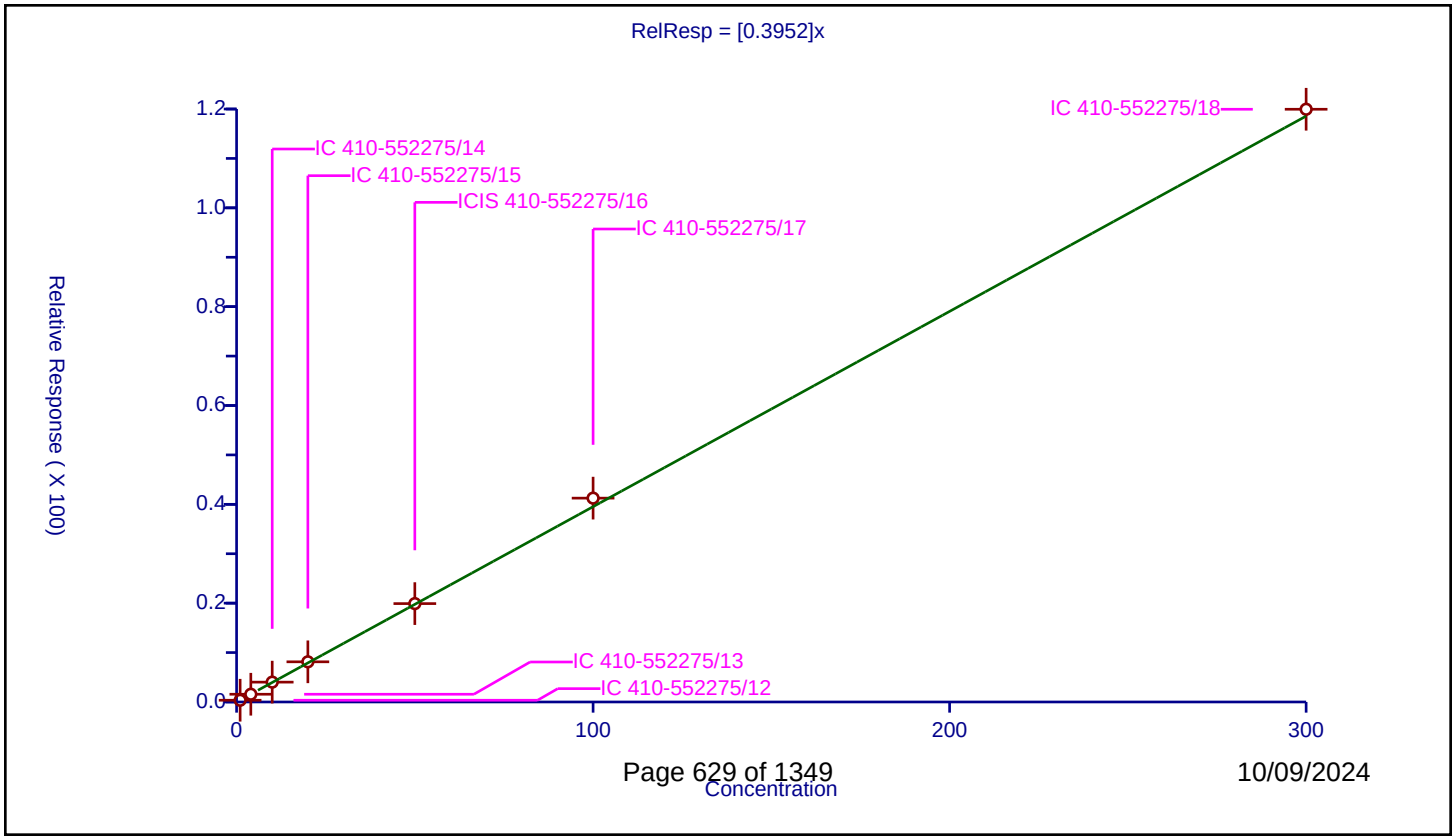
Curve Coefficients

Intercept:	0
Slope:	0.3952

Error Coefficients

Relative Standard Deviation:	4.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	1.0	0.355407	50.0	521656.0	0.355407	Y
2	IC 410-552275/13	4.0	1.569409	50.0	523764.0	0.392352	Y
3	IC 410-552275/14	10.0	4.01803	50.0	509155.0	0.401803	Y
4	IC 410-552275/15	20.0	8.128818	50.0	546414.0	0.406441	Y
5	ICIS 410-552275/16	50.0	19.908762	50.0	551305.0	0.398175	Y
6	IC 410-552275/17	100.0	41.254969	50.0	561233.0	0.41255	Y
7	IC 410-552275/18	300.0	119.949077	50.0	635666.0	0.39983	Y



10/09/2024

Calibration / Ethylene Dibromide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

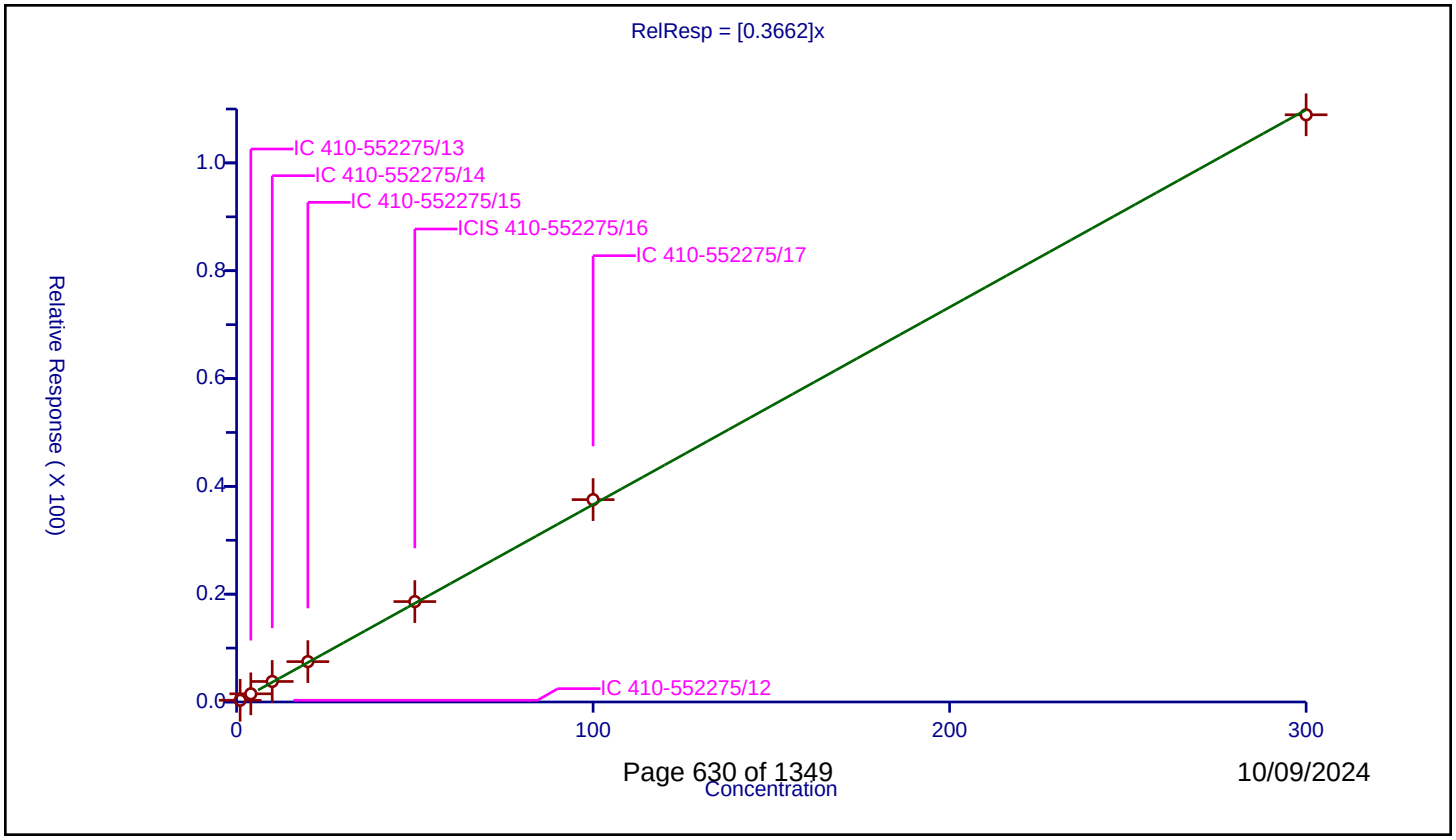
Curve Coefficients

Intercept:	0
Slope:	0.3662

Error Coefficients

Relative Standard Deviation:	5.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	1.0	0.318984	50.0	521656.0	0.318984	Y
2	IC 410-552275/13	4.0	1.514136	50.0	523764.0	0.378534	Y
3	IC 410-552275/14	10.0	3.804244	50.0	509155.0	0.380424	Y
4	IC 410-552275/15	20.0	7.48535	50.0	546414.0	0.374267	Y
5	ICIS 410-552275/16	50.0	18.627529	50.0	551305.0	0.372551	Y
6	IC 410-552275/17	100.0	37.539133	50.0	561233.0	0.375391	Y
7	IC 410-552275/18	300.0	108.930712	50.0	635666.0	0.363102	Y



Calibration / 1-Chlorohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

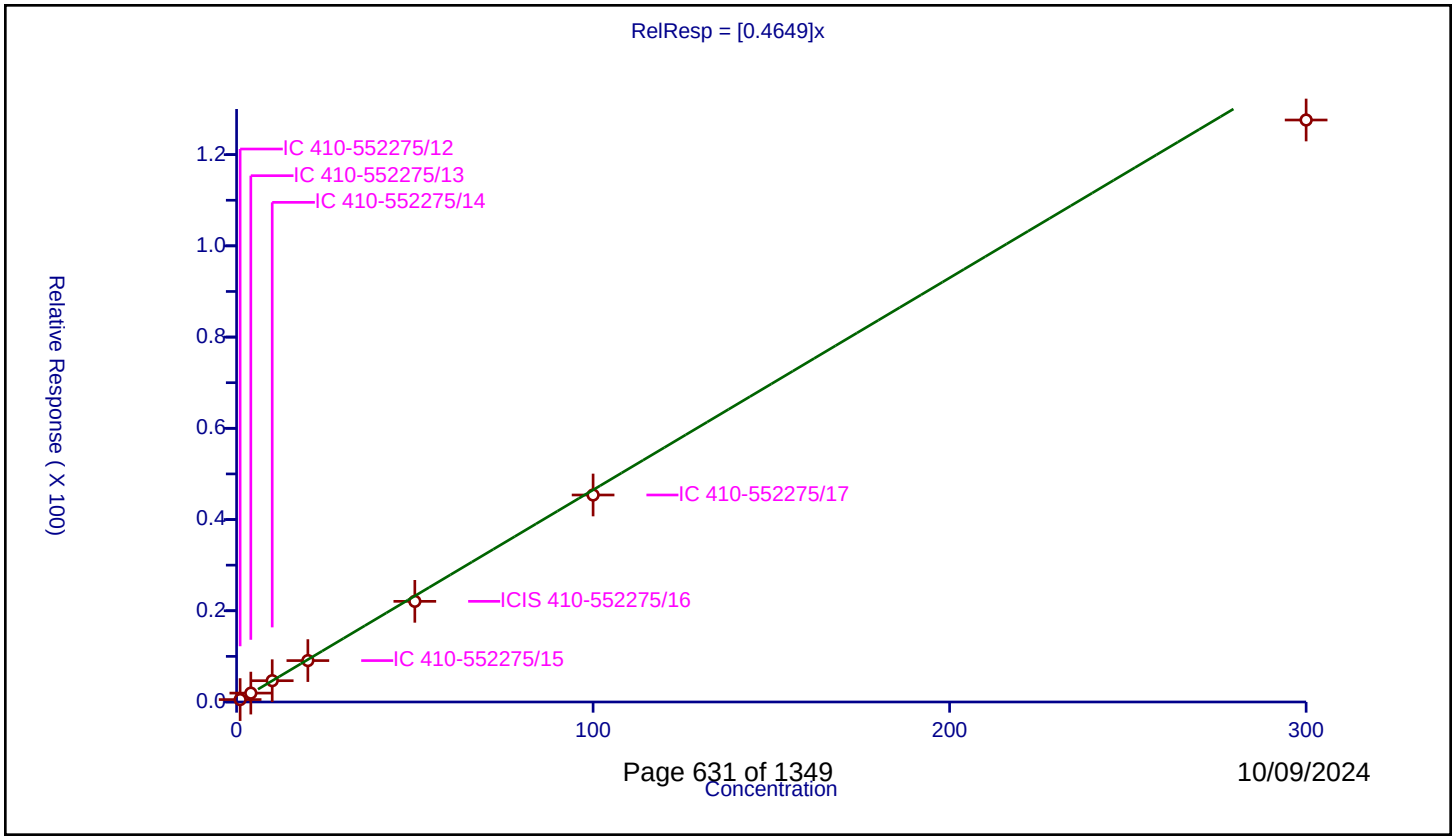
Curve Coefficients

Intercept:	0
Slope:	0.4649

Error Coefficients

Relative Standard Deviation:	7.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	1.0	0.526496	50.0	521656.0	0.526496	Y
2	IC 410-552275/13	4.0	1.946774	50.0	523764.0	0.486693	Y
3	IC 410-552275/14	10.0	4.670091	50.0	509155.0	0.467009	Y
4	IC 410-552275/15	20.0	9.07636	50.0	546414.0	0.453818	Y
5	ICIS 410-552275/16	50.0	22.065644	50.0	551305.0	0.441313	Y
6	IC 410-552275/17	100.0	45.380974	50.0	561233.0	0.45381	Y
7	IC 410-552275/18	300.0	127.592006	50.0	635666.0	0.425307	Y



Calibration / Chlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

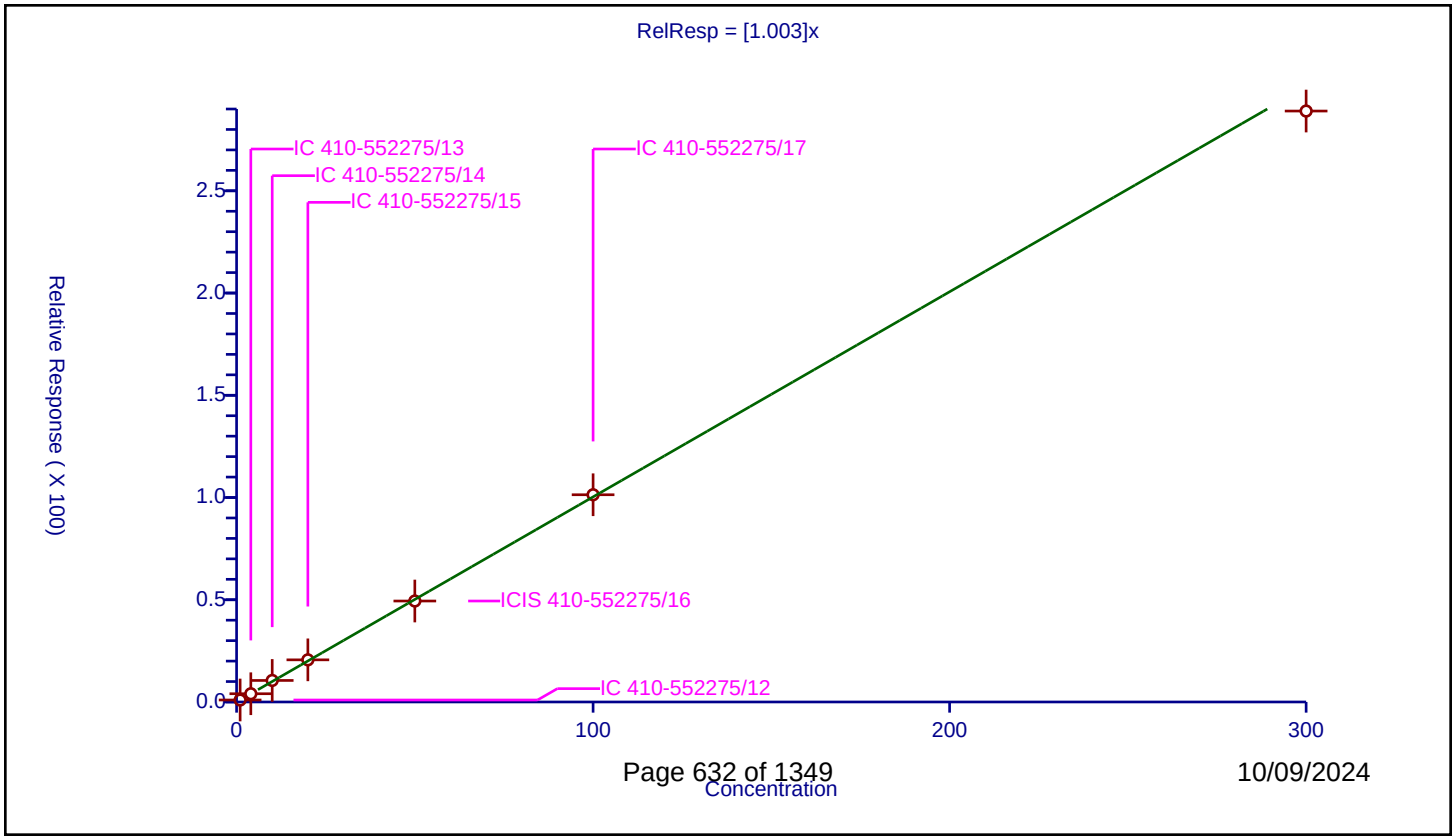
Curve Coefficients

Intercept:	0
Slope:	1.003

Error Coefficients

Relative Standard Deviation:	3.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	1.0	0.965771	50.0	521656.0	0.965771	Y
2	IC 410-552275/13	4.0	4.029773	50.0	523764.0	1.007443	Y
3	IC 410-552275/14	10.0	10.535888	50.0	509155.0	1.053589	Y
4	IC 410-552275/15	20.0	20.610837	50.0	546414.0	1.030542	Y
5	ICIS 410-552275/16	50.0	49.376479	50.0	551305.0	0.98753	Y
6	IC 410-552275/17	100.0	101.346945	50.0	561233.0	1.013469	Y
7	IC 410-552275/18	300.0	289.011053	50.0	635666.0	0.96337	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

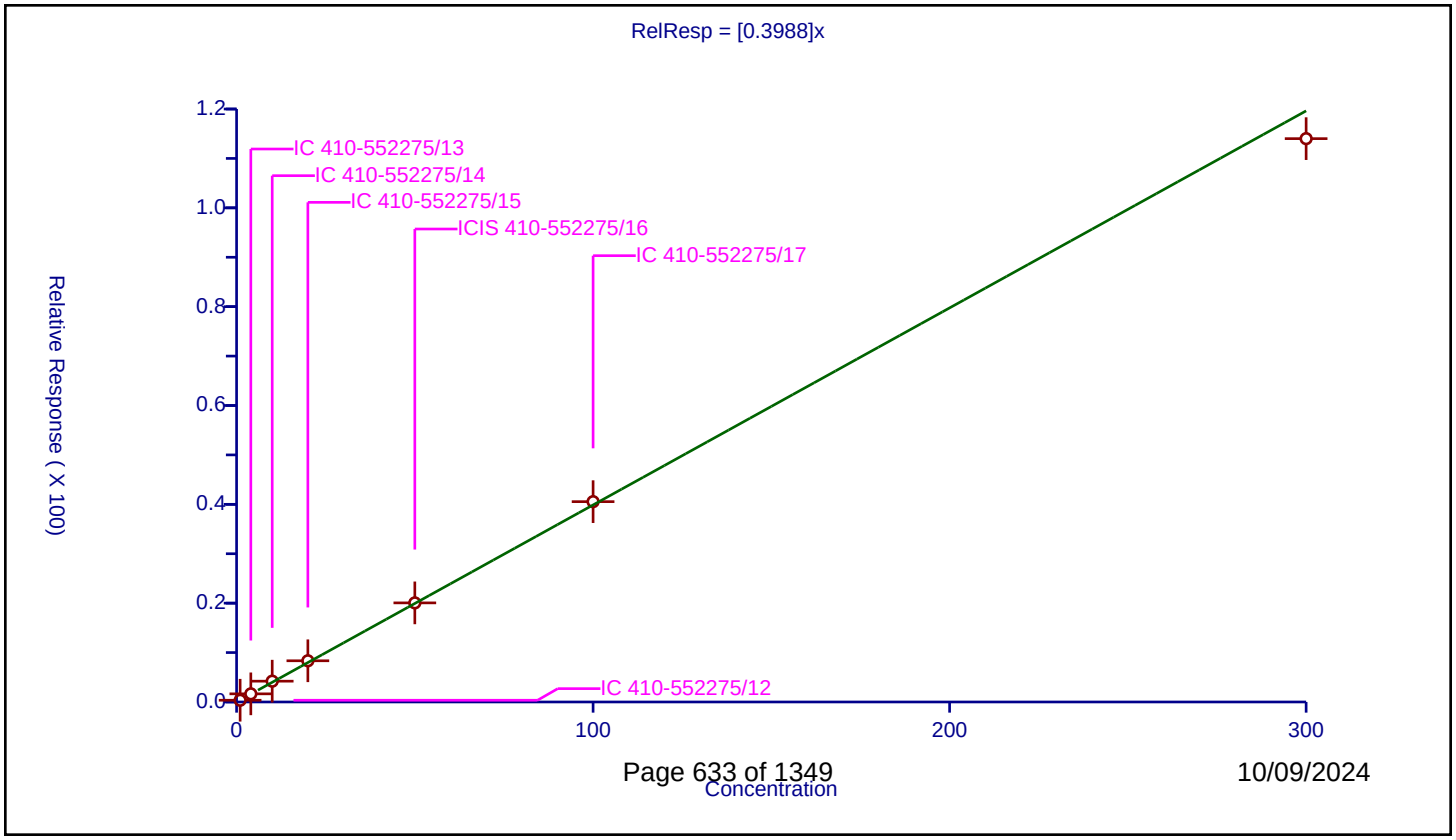
Curve Coefficients

Intercept:	0
Slope:	0.3988

Error Coefficients

Relative Standard Deviation:	6.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	1.0	0.354161	50.0	521656.0	0.354161	Y
2	IC 410-552275/13	4.0	1.649025	50.0	523764.0	0.412256	Y
3	IC 410-552275/14	10.0	4.213353	50.0	509155.0	0.421335	Y
4	IC 410-552275/15	20.0	8.339739	50.0	546414.0	0.416987	Y
5	ICIS 410-552275/16	50.0	20.056865	50.0	551305.0	0.401137	Y
6	IC 410-552275/17	100.0	40.540471	50.0	561233.0	0.405405	Y
7	IC 410-552275/18	300.0	114.00185	50.0	635666.0	0.380006	Y



Calibration / Ethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

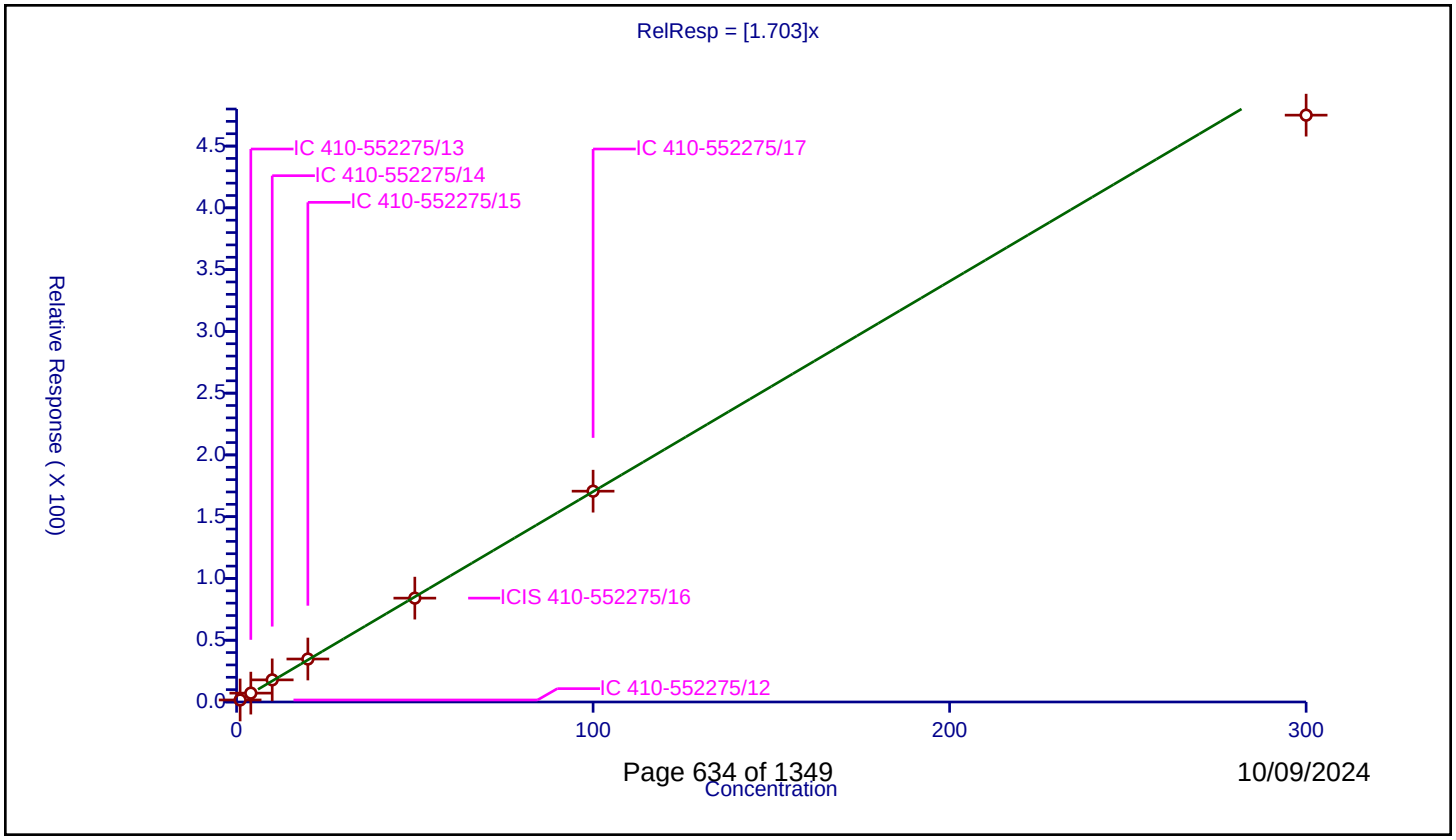
Curve Coefficients

Intercept:	0
Slope:	1.703

Error Coefficients

Relative Standard Deviation:	4.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	1.0	1.622333	50.0	521656.0	1.622333	Y
2	IC 410-552275/13	4.0	7.18797	50.0	523764.0	1.796993	Y
3	IC 410-552275/14	10.0	17.901032	50.0	509155.0	1.790103	Y
4	IC 410-552275/15	20.0	34.782967	50.0	546414.0	1.739148	Y
5	ICIS 410-552275/16	50.0	84.060547	50.0	551305.0	1.681211	Y
6	IC 410-552275/17	100.0	170.656572	50.0	561233.0	1.706566	Y
7	IC 410-552275/18	300.0	475.026744	50.0	635666.0	1.583422	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

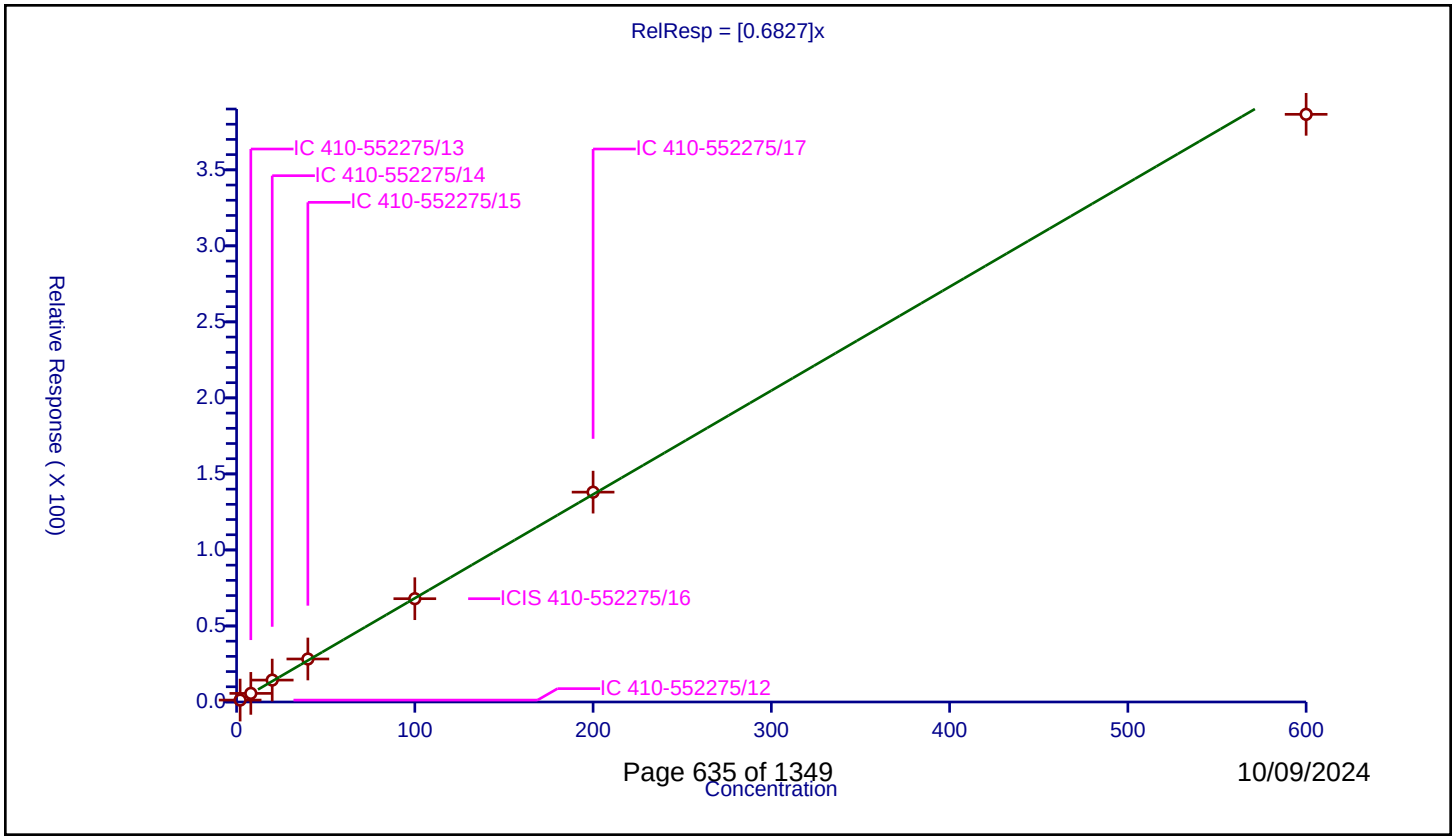
Curve Coefficients

Intercept:	0
Slope:	0.6827

Error Coefficients

Relative Standard Deviation:	5.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	2.0	1.260984	50.0	521656.0	0.630492	Y
2	IC 410-552275/13	8.0	5.661233	50.0	523764.0	0.707654	Y
3	IC 410-552275/14	20.0	14.404651	50.0	509155.0	0.720233	Y
4	IC 410-552275/15	40.0	28.275721	50.0	546414.0	0.706893	Y
5	ICIS 410-552275/16	100.0	67.931363	50.0	551305.0	0.679314	Y
6	IC 410-552275/17	200.0	138.012198	50.0	561233.0	0.690061	Y
7	IC 410-552275/18	600.0	386.507852	50.0	635666.0	0.64418	Y



Calibration / o-Xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

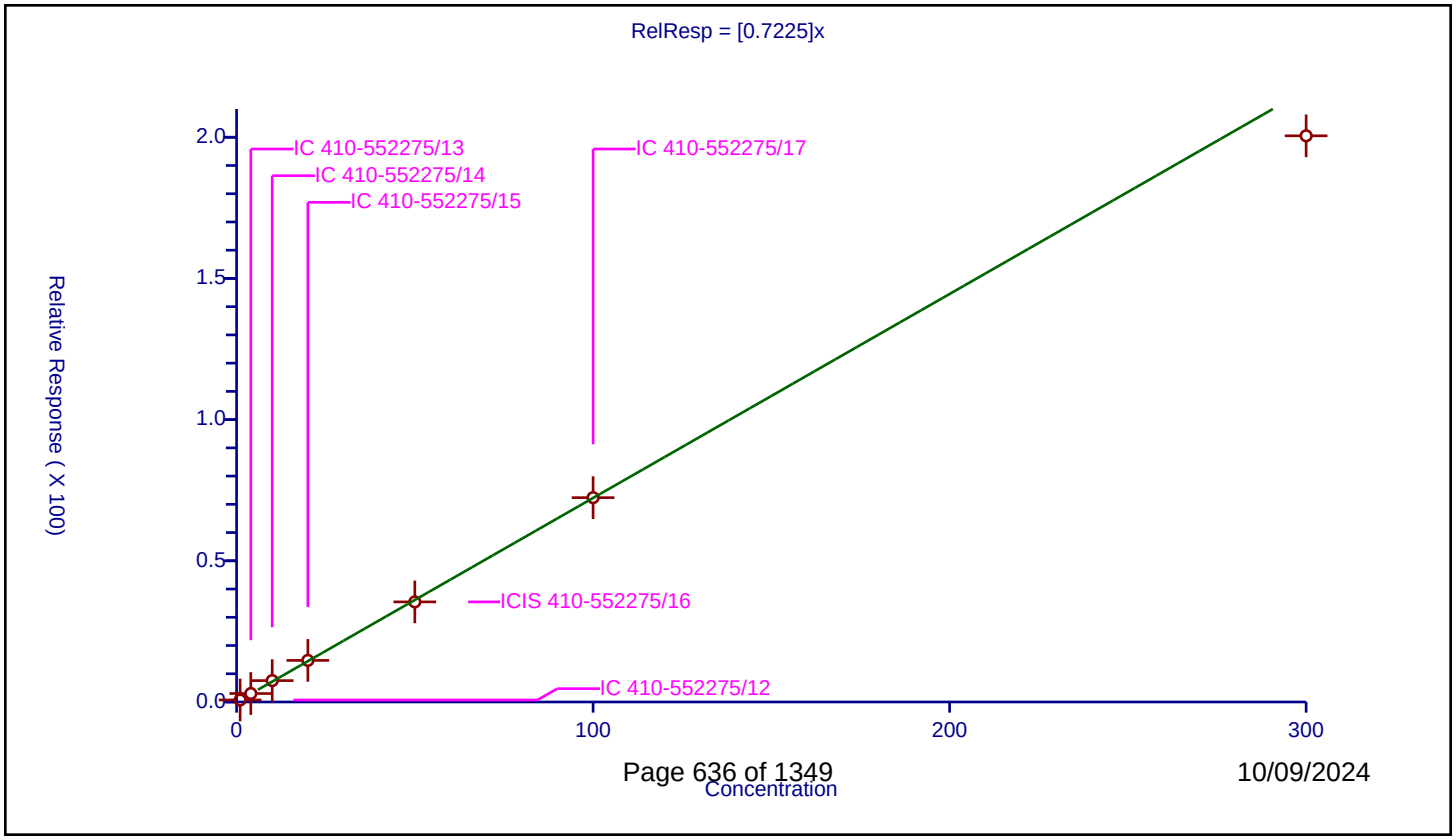
Curve Coefficients

Intercept:	0
Slope:	0.7225

Error Coefficients

Relative Standard Deviation:	4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	1.0	0.713209	50.0	521656.0	0.713209	Y
2	IC 410-552275/13	4.0	2.998488	50.0	523764.0	0.749622	Y
3	IC 410-552275/14	10.0	7.571565	50.0	509155.0	0.757156	Y
4	IC 410-552275/15	20.0	14.727295	50.0	546414.0	0.736365	Y
5	ICIS 410-552275/16	50.0	35.44762	50.0	551305.0	0.708952	Y
6	IC 410-552275/17	100.0	72.366201	50.0	561233.0	0.723662	Y
7	IC 410-552275/18	300.0	200.512533	50.0	635666.0	0.668375	Y



Calibration / Styrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

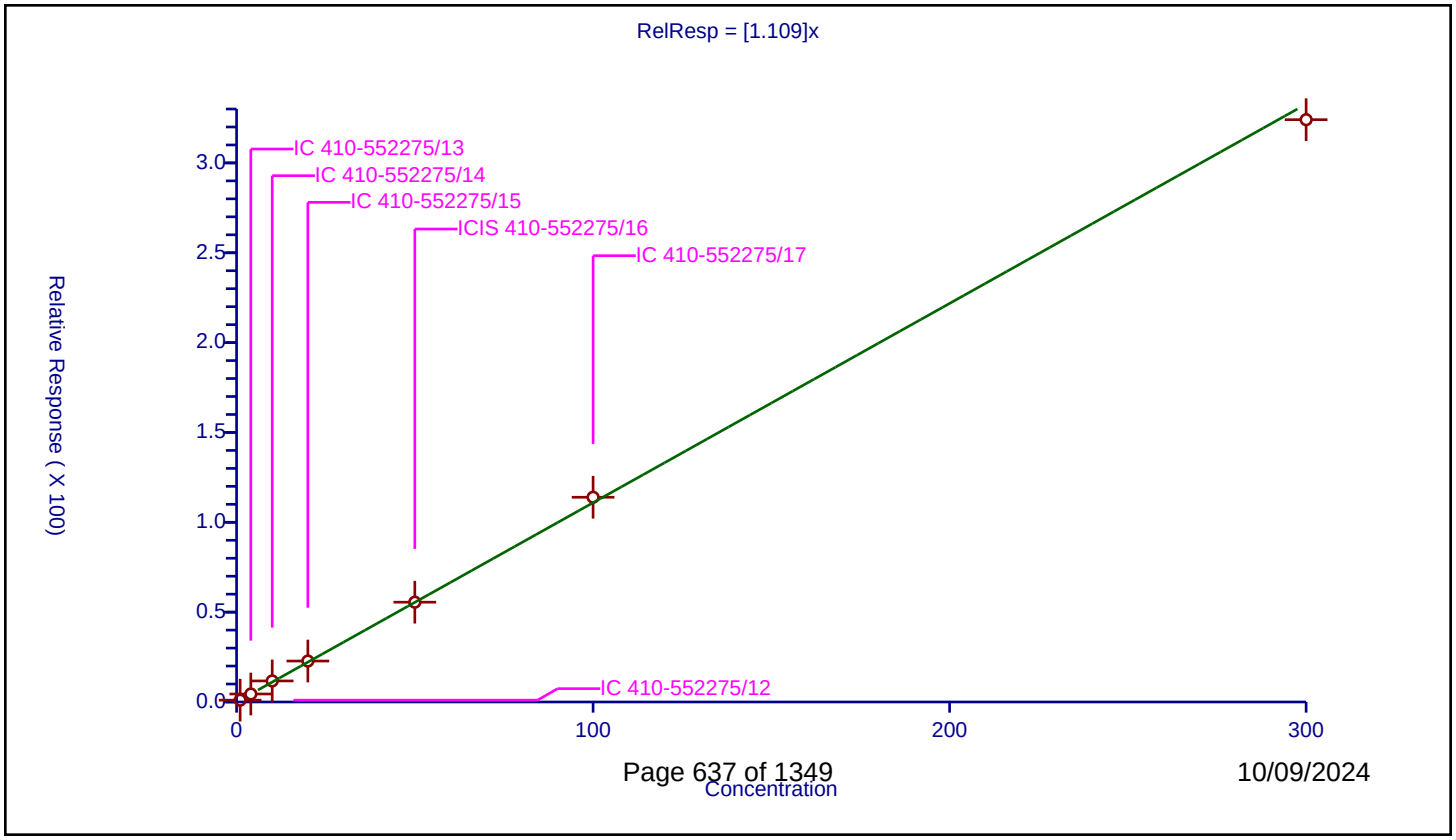
Curve Coefficients

Intercept:	0
Slope:	1.109

Error Coefficients

Relative Standard Deviation:	4.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	1.0	1.012257	50.0	521656.0	1.012257	Y
2	IC 410-552275/13	4.0	4.43864	50.0	523764.0	1.10966	Y
3	IC 410-552275/14	10.0	11.717748	50.0	509155.0	1.171775	Y
4	IC 410-552275/15	20.0	22.78785	50.0	546414.0	1.139392	Y
5	ICIS 410-552275/16	50.0	55.539402	50.0	551305.0	1.110788	Y
6	IC 410-552275/17	100.0	113.933072	50.0	561233.0	1.139331	Y
7	IC 410-552275/18	300.0	324.058468	50.0	635666.0	1.080195	Y



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Calibration / Bromoform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

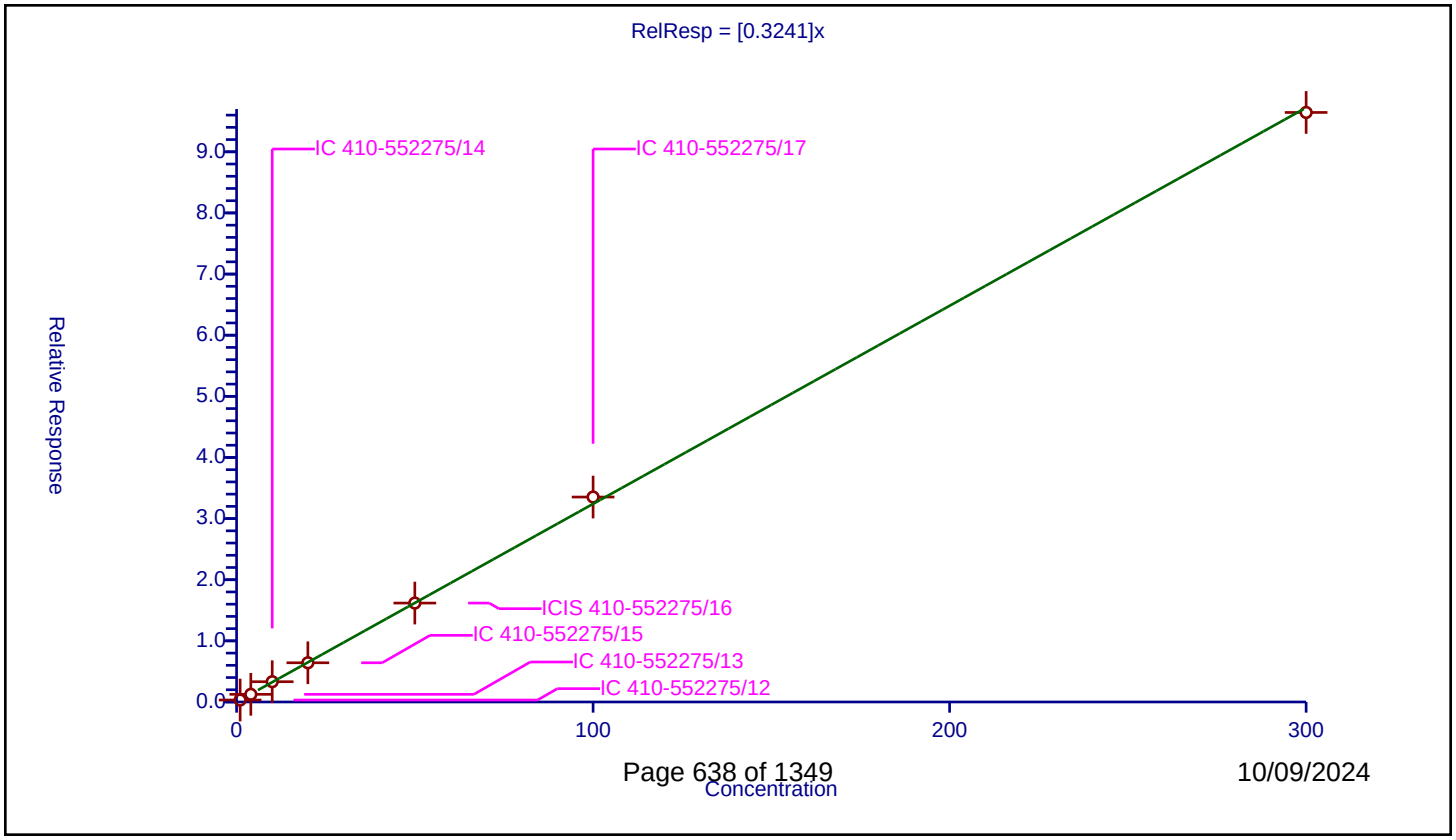
Curve Coefficients

Intercept:	0
Slope:	0.3241

Error Coefficients

Relative Standard Deviation:	2.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	1.0	0.322147	50.0	521656.0	0.322147	Y
2	IC 410-552275/13	4.0	1.253523	50.0	523764.0	0.313381	Y
3	IC 410-552275/14	10.0	3.316868	50.0	509155.0	0.331687	Y
4	IC 410-552275/15	20.0	6.416655	50.0	546414.0	0.320833	Y
5	ICIS 410-552275/16	50.0	16.180154	50.0	551305.0	0.323603	Y
6	IC 410-552275/17	100.0	33.526361	50.0	561233.0	0.335264	Y
7	IC 410-552275/18	300.0	96.437437	50.0	635666.0	0.321458	Y



Calibration / Isopropylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

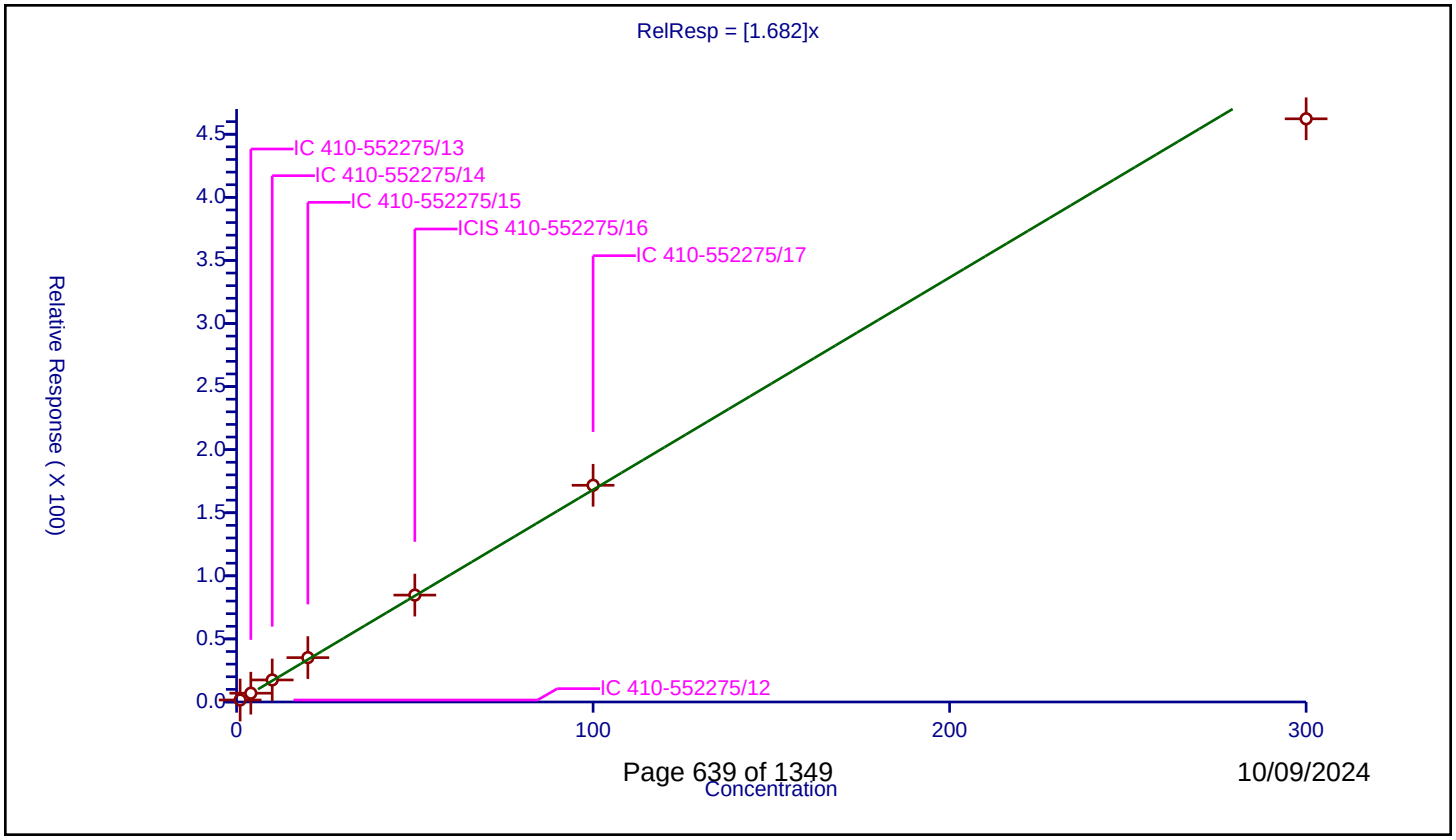
Curve Coefficients

Intercept:	0
Slope:	1.682

Error Coefficients

Relative Standard Deviation:	5.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	1.0	1.575368	50.0	521656.0	1.575368	Y
2	IC 410-552275/13	4.0	6.969933	50.0	523764.0	1.742483	Y
3	IC 410-552275/14	10.0	17.468158	50.0	509155.0	1.746816	Y
4	IC 410-552275/15	20.0	35.154663	50.0	546414.0	1.757733	Y
5	ICIS 410-552275/16	50.0	84.724789	50.0	551305.0	1.694496	Y
6	IC 410-552275/17	100.0	171.769479	50.0	561233.0	1.717695	Y
7	IC 410-552275/18	300.0	462.247155	50.0	635666.0	1.540824	Y



Calibration / Cyclohexanone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

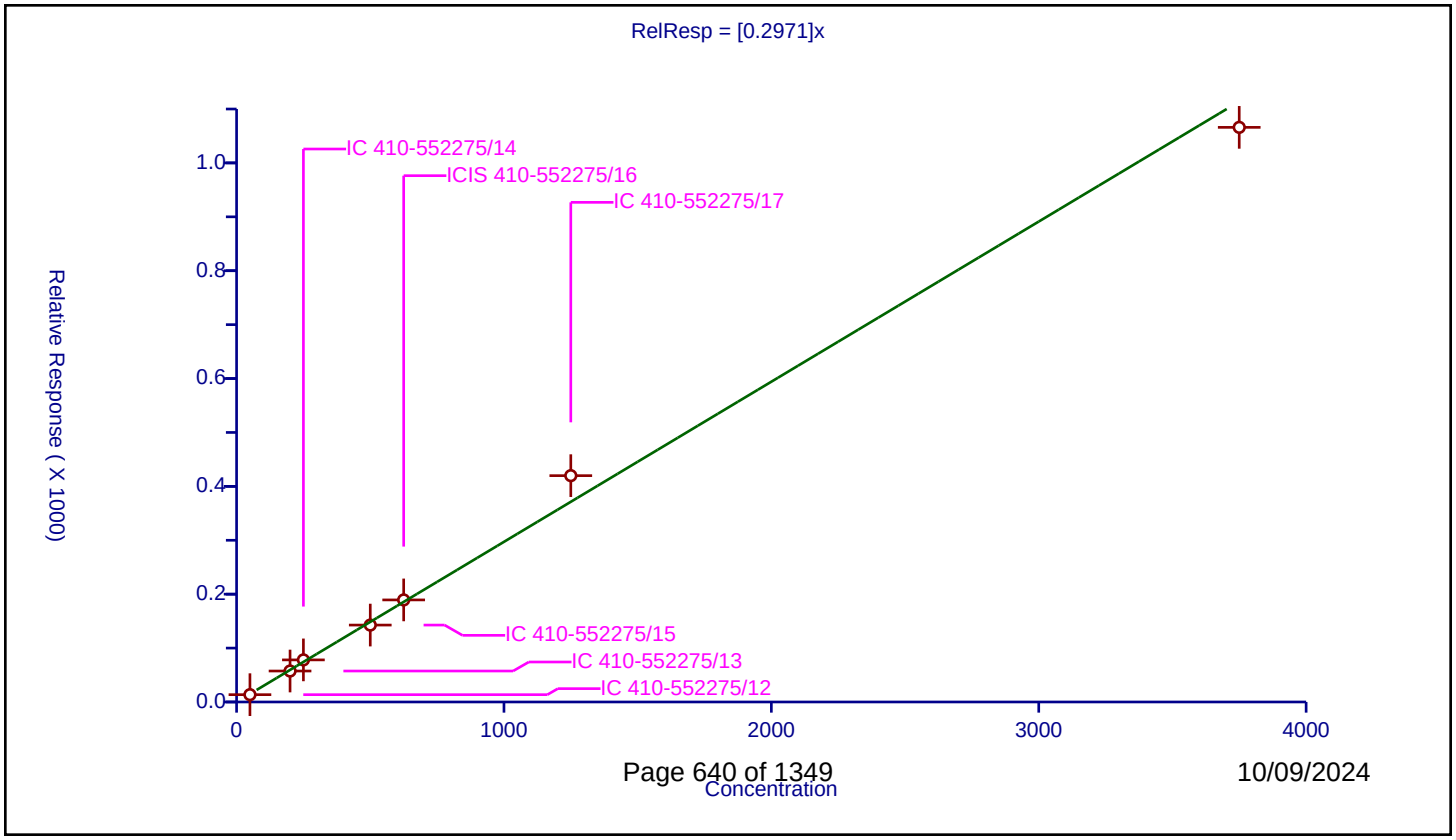
Curve Coefficients

Intercept:	0
Slope:	0.2971

Error Coefficients

Relative Standard Deviation:	7.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	49.998172	13.556166	250.0	291325.0	0.271133	Y
2	IC 410-552275/13	199.992688	57.477986	250.0	281299.0	0.2874	Y
3	IC 410-552275/14	249.99086	78.097733	250.0	281359.0	0.312402	Y
4	IC 410-552275/15	499.98172	142.674916	250.0	288495.0	0.28536	Y
5	ICIS 410-552275/16	624.97715	189.332612	250.0	281156.0	0.302943	Y
6	IC 410-552275/17	1249.9543	419.855937	250.0	276892.0	0.335897	Y
7	IC 410-552275/18	3749.8629	1065.983205	250.0	299724.0	0.284273	Y



Calibration / 4-Bromofluorobenzene (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

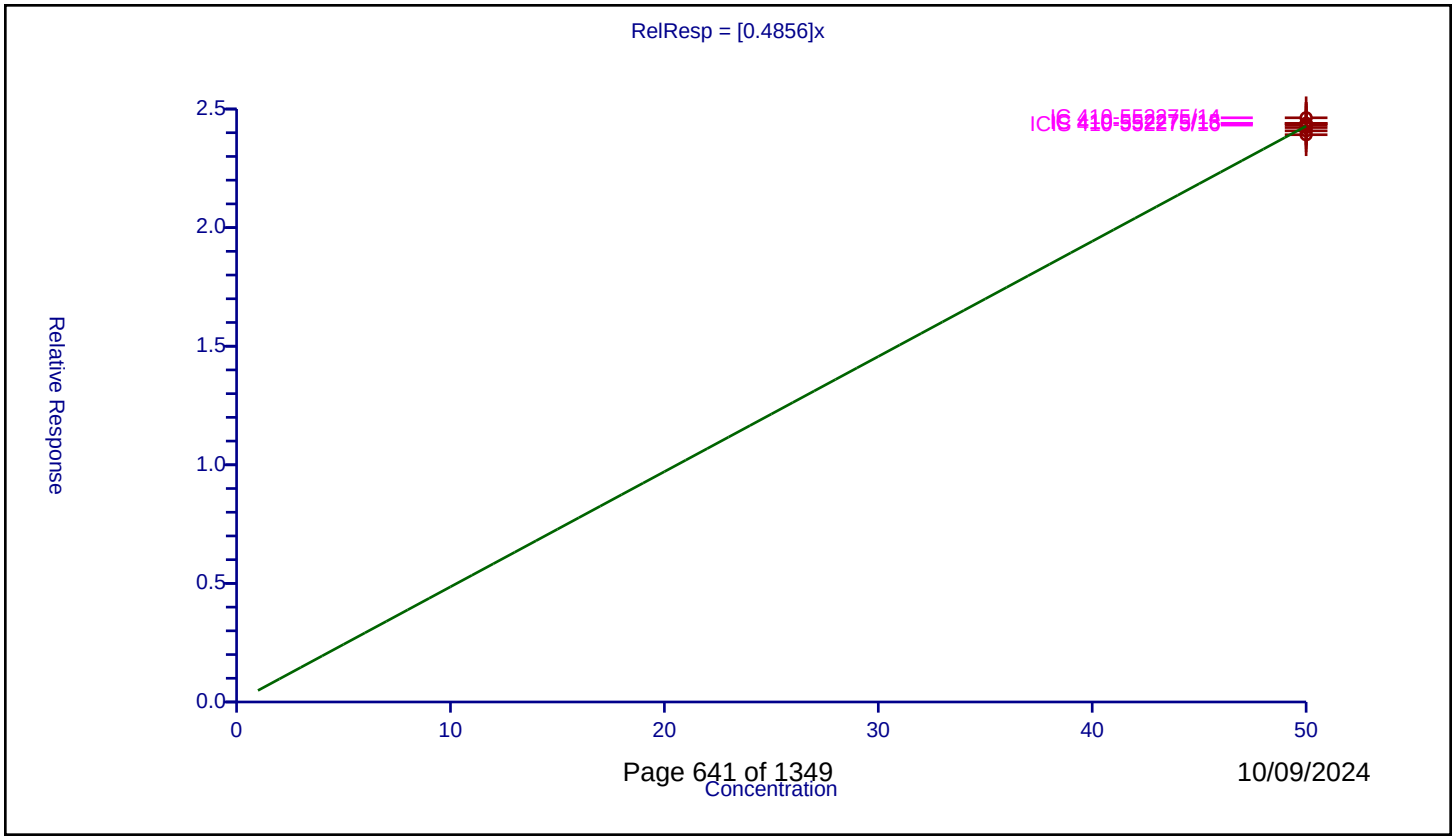
Curve Coefficients

Intercept:	0
Slope:	0.4856

Error Coefficients

Relative Standard Deviation:	1.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	50.0	24.218259	50.0	521656.0	0.484365	Y
2	IC 410-552275/13	50.0	24.396484	50.0	523764.0	0.48793	Y
3	IC 410-552275/14	50.0	24.630613	50.0	509155.0	0.492612	Y
4	IC 410-552275/15	50.0	24.387735	50.0	546414.0	0.487755	Y
5	ICIS 410-552275/16	50.0	24.321836	50.0	551305.0	0.486437	Y
6	IC 410-552275/17	50.0	23.915825	50.0	561233.0	0.478316	Y
7	IC 410-552275/18	50.0	24.080413	50.0	635666.0	0.481608	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

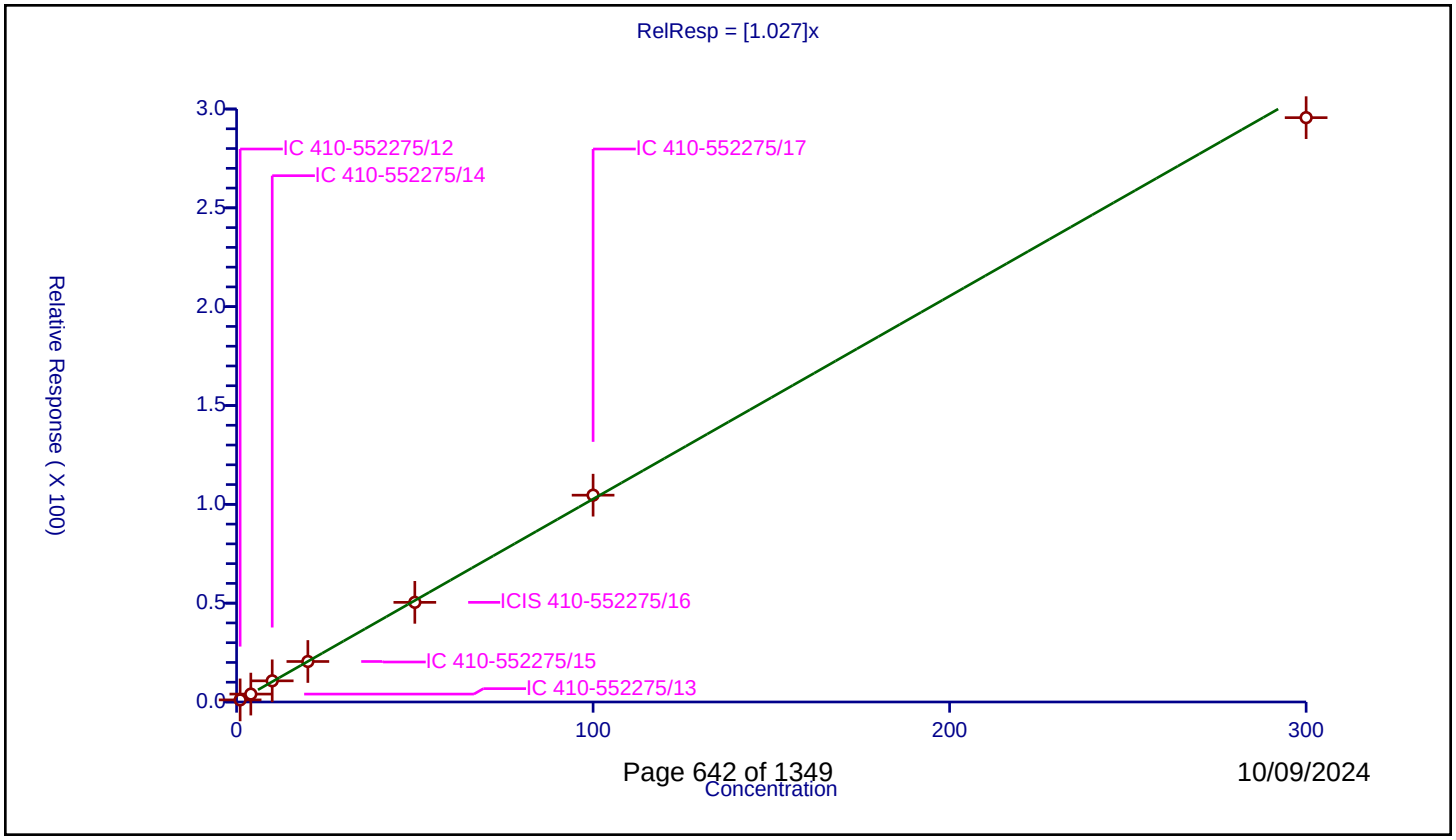
Curve Coefficients

Intercept:	0
Slope:	1.027

Error Coefficients

Relative Standard Deviation:	3.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	1.0	1.05348	50.0	332612.0	1.05348	Y
2	IC 410-552275/13	4.0	3.999835	50.0	340289.0	0.999959	Y
3	IC 410-552275/14	10.0	10.703608	50.0	329786.0	1.070361	Y
4	IC 410-552275/15	20.0	20.480913	50.0	347443.0	1.024046	Y
5	ICIS 410-552275/16	50.0	50.408438	50.0	347176.0	1.008169	Y
6	IC 410-552275/17	100.0	104.635907	50.0	347645.0	1.046359	Y
7	IC 410-552275/18	300.0	295.632256	50.0	384512.0	0.985441	Y



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Calibration / Bromobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

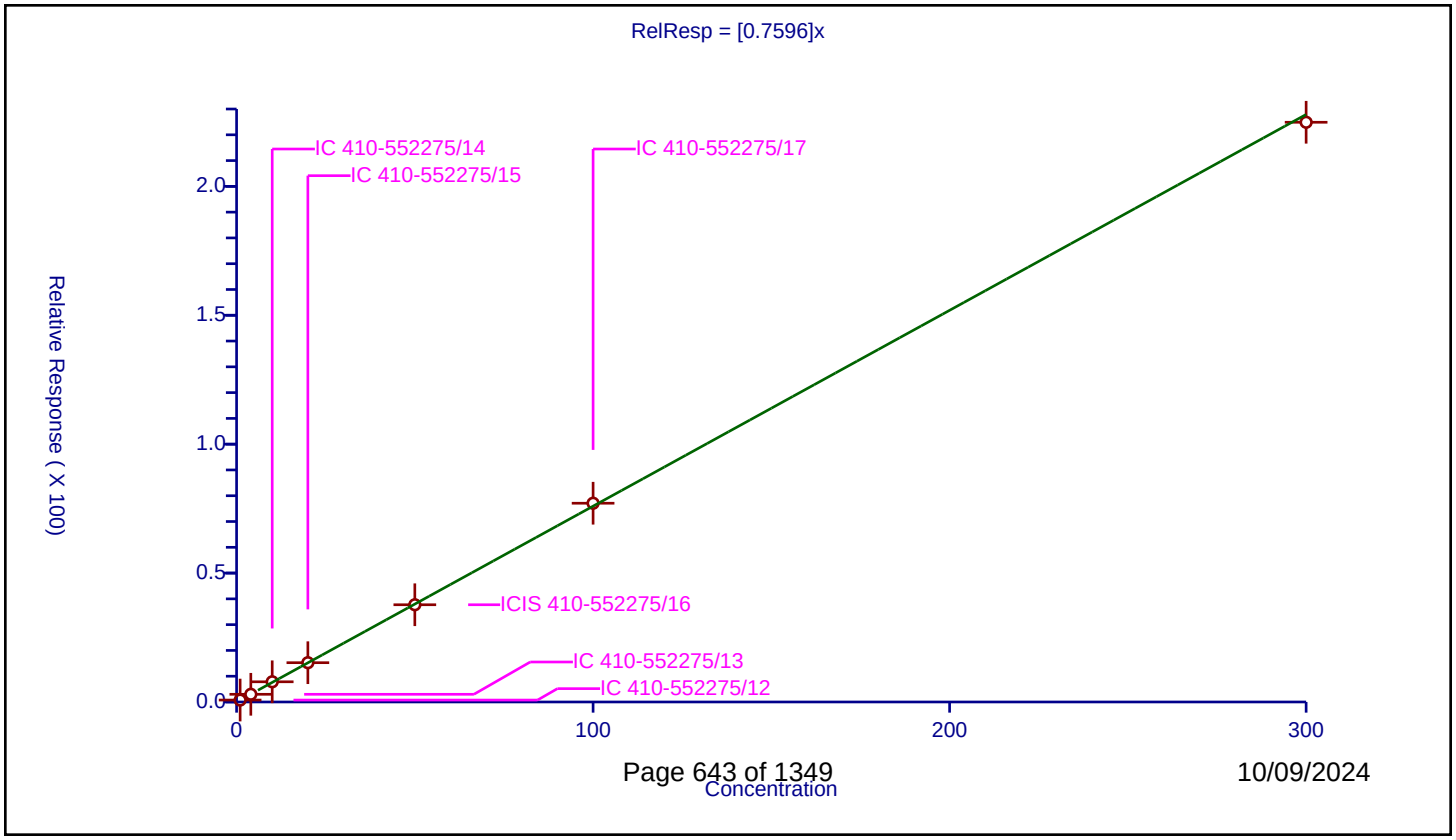
Curve Coefficients

Intercept:	0
Slope:	0.7596

Error Coefficients

Relative Standard Deviation:	1.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	1.0	0.752528	50.0	332612.0	0.752528	Y
2	IC 410-552275/13	4.0	2.979379	50.0	340289.0	0.744845	Y
3	IC 410-552275/14	10.0	7.830229	50.0	329786.0	0.783023	Y
4	IC 410-552275/15	20.0	15.236456	50.0	347443.0	0.761823	Y
5	ICIS 410-552275/16	50.0	37.721357	50.0	347176.0	0.754427	Y
6	IC 410-552275/17	100.0	77.091286	50.0	347645.0	0.770913	Y
7	IC 410-552275/18	300.0	224.858392	50.0	384512.0	0.749528	Y



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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

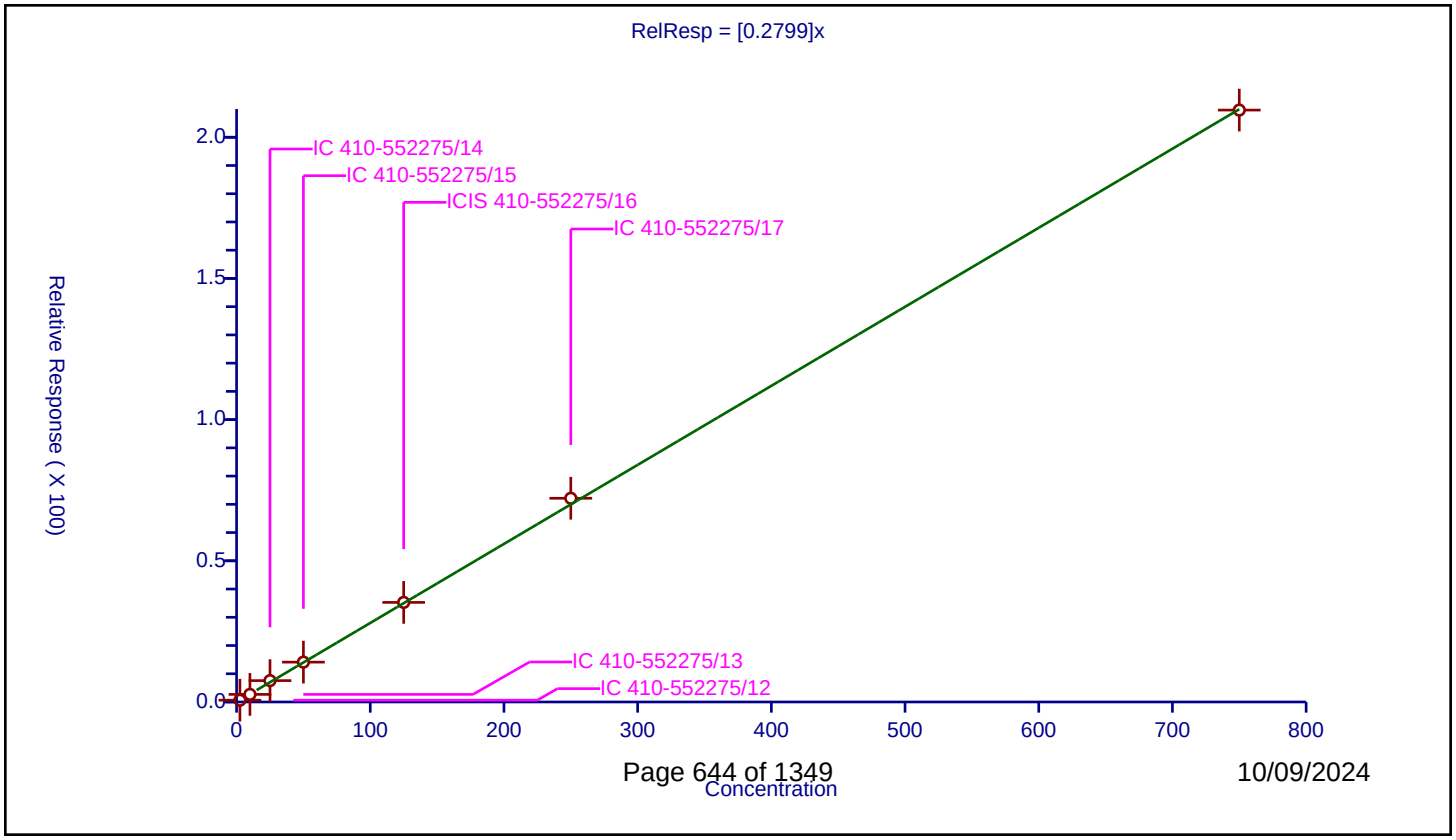
Curve Coefficients

Intercept:	0
Slope:	0.2799

Error Coefficients

Relative Standard Deviation:	5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	2.5	0.638883	50.0	332612.0	0.255553	Y
2	IC 410-552275/13	10.0	2.685364	50.0	340289.0	0.268536	Y
3	IC 410-552275/14	25.0	7.565815	50.0	329786.0	0.302633	Y
4	IC 410-552275/15	50.0	14.113682	50.0	347443.0	0.282274	Y
5	ICIS 410-552275/16	125.0	35.268135	50.0	347176.0	0.282145	Y
6	IC 410-552275/17	250.0	72.149319	50.0	347645.0	0.288597	Y
7	IC 410-552275/18	750.0	209.623757	50.0	384512.0	0.279498	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

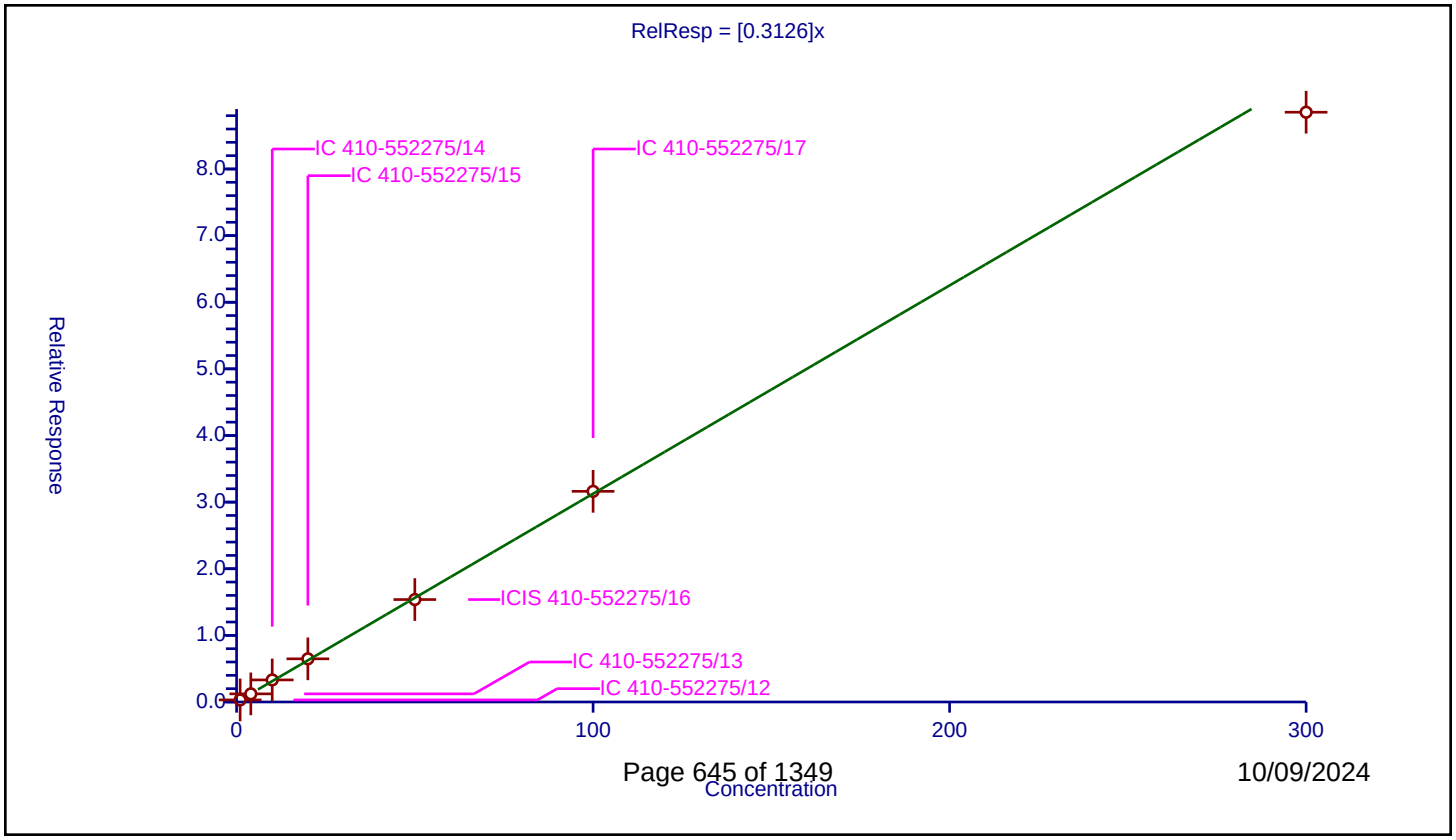
Curve Coefficients

Intercept:	0
Slope:	0.3126

Error Coefficients

Relative Standard Deviation:	3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	1.0	0.30967	50.0	332612.0	0.30967	Y
2	IC 410-552275/13	4.0	1.219111	50.0	340289.0	0.304778	Y
3	IC 410-552275/14	10.0	3.311693	50.0	329786.0	0.331169	Y
4	IC 410-552275/15	20.0	6.478473	50.0	347443.0	0.323924	Y
5	ICIS 410-552275/16	50.0	15.374623	50.0	347176.0	0.307492	Y
6	IC 410-552275/17	100.0	31.616879	50.0	347645.0	0.316169	Y
7	IC 410-552275/18	300.0	88.518434	50.0	384512.0	0.295061	Y



Calibration / N-Propylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

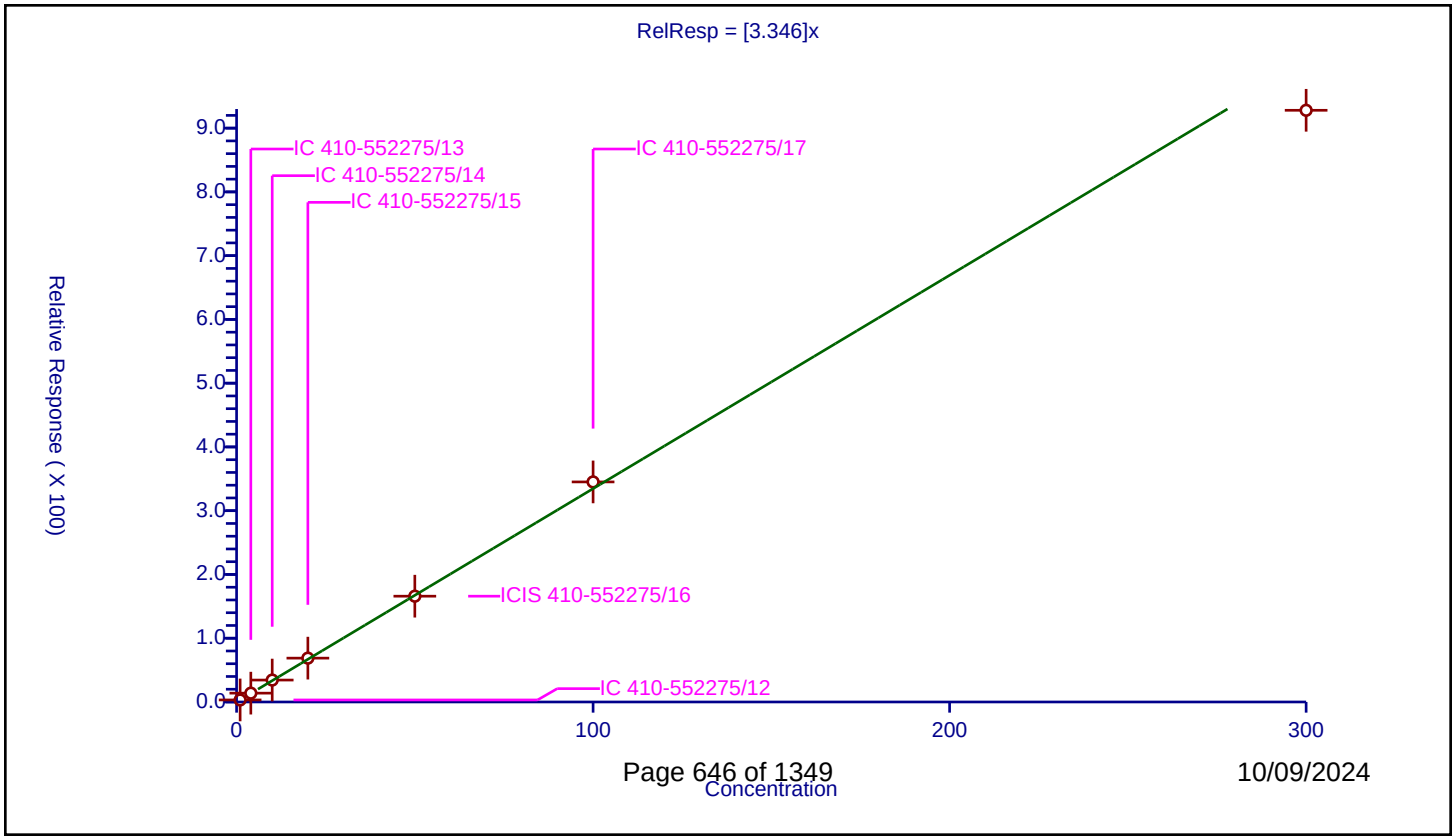
Curve Coefficients

Intercept:	0
Slope:	3.346

Error Coefficients

Relative Standard Deviation:	4.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	1.0	3.212452	50.0	332612.0	3.212452	Y
2	IC 410-552275/13	4.0	13.863363	50.0	340289.0	3.465841	Y
3	IC 410-552275/14	10.0	34.412316	50.0	329786.0	3.441232	Y
4	IC 410-552275/15	20.0	68.794018	50.0	347443.0	3.439701	Y
5	ICIS 410-552275/16	50.0	165.938602	50.0	347176.0	3.318772	Y
6	IC 410-552275/17	100.0	345.129946	50.0	347645.0	3.451299	Y
7	IC 410-552275/18	300.0	927.982222	50.0	384512.0	3.093274	Y



Calibration / 2-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

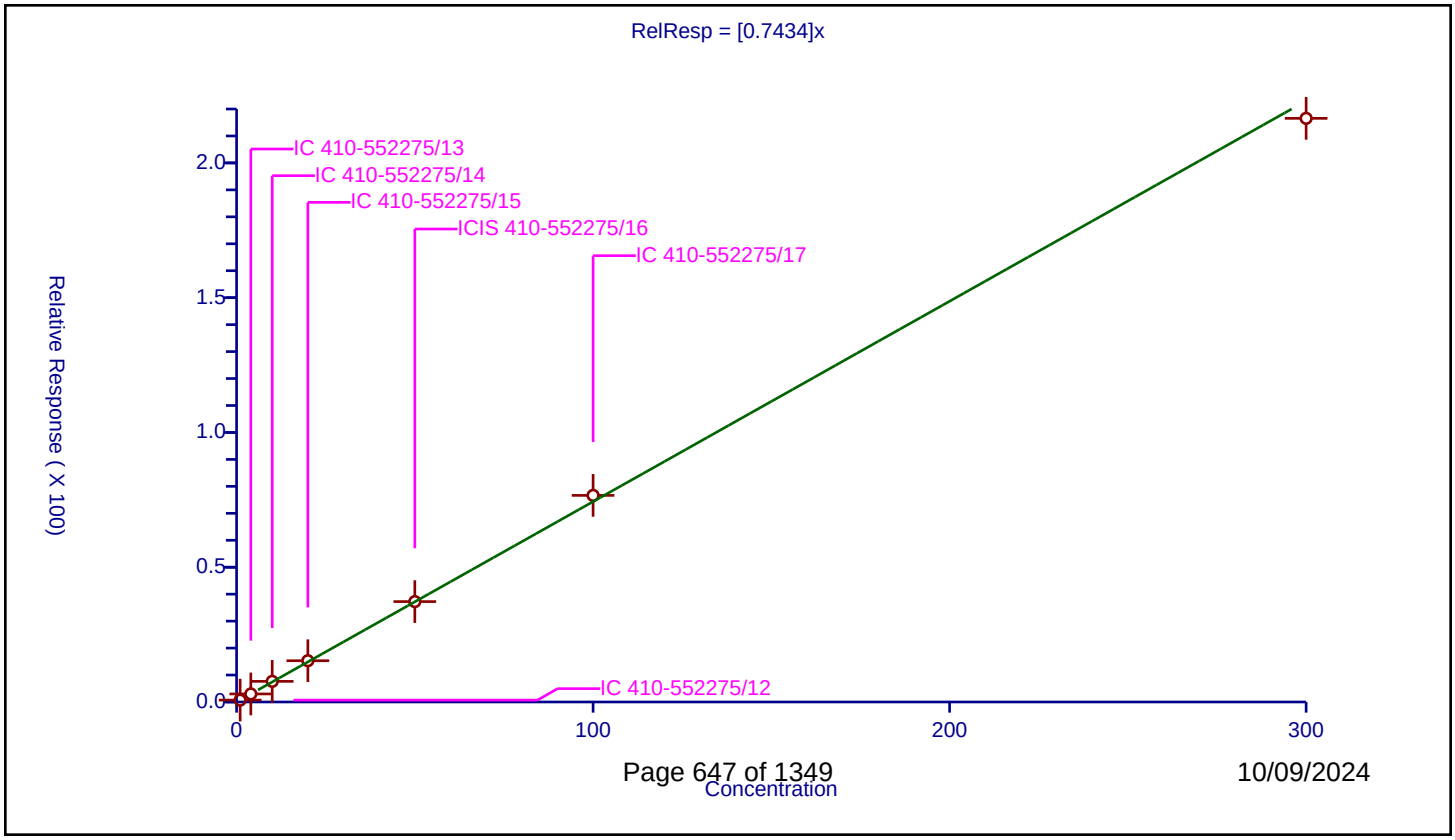
Curve Coefficients

Intercept:	0
Slope:	0.7434

Error Coefficients

Relative Standard Deviation:	3.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	1.0	0.694202	50.0	332612.0	0.694202	Y
2	IC 410-552275/13	4.0	2.98364	50.0	340289.0	0.74591	Y
3	IC 410-552275/14	10.0	7.650112	50.0	329786.0	0.765011	Y
4	IC 410-552275/15	20.0	15.313015	50.0	347443.0	0.765651	Y
5	ICIS 410-552275/16	50.0	37.241342	50.0	347176.0	0.744827	Y
6	IC 410-552275/17	100.0	76.647154	50.0	347645.0	0.766472	Y
7	IC 410-552275/18	300.0	216.540706	50.0	384512.0	0.721802	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

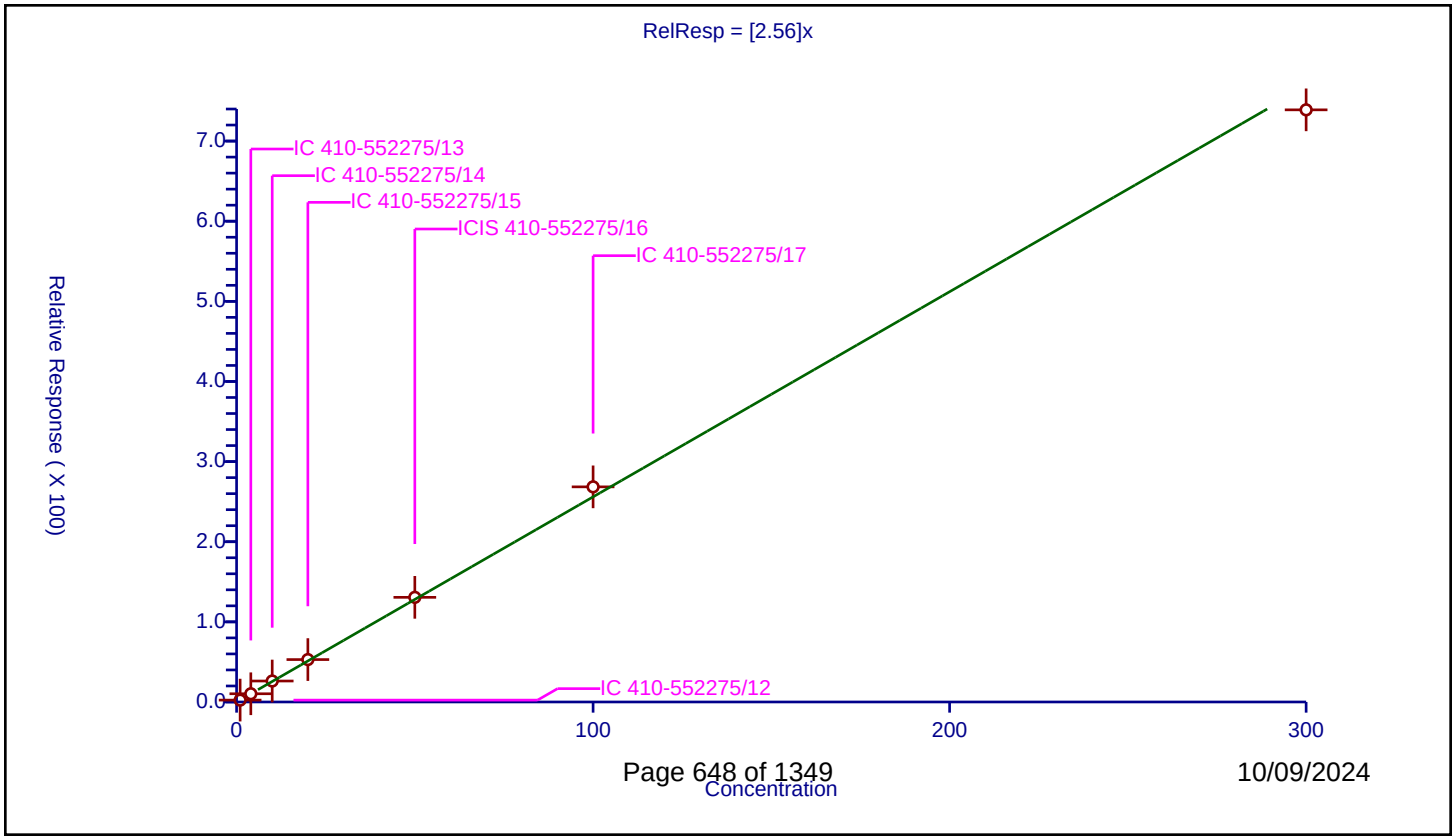
Curve Coefficients

Intercept:	0
Slope:	2.56

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	1.0	2.331545	50.0	332612.0	2.331545	Y
2	IC 410-552275/13	4.0	10.250846	50.0	340289.0	2.562711	Y
3	IC 410-552275/14	10.0	26.176824	50.0	329786.0	2.617682	Y
4	IC 410-552275/15	20.0	52.935446	50.0	347443.0	2.646772	Y
5	ICIS 410-552275/16	50.0	130.598889	50.0	347176.0	2.611978	Y
6	IC 410-552275/17	100.0	268.469703	50.0	347645.0	2.684697	Y
7	IC 410-552275/18	300.0	738.955221	50.0	384512.0	2.463184	Y



Calibration / 4-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

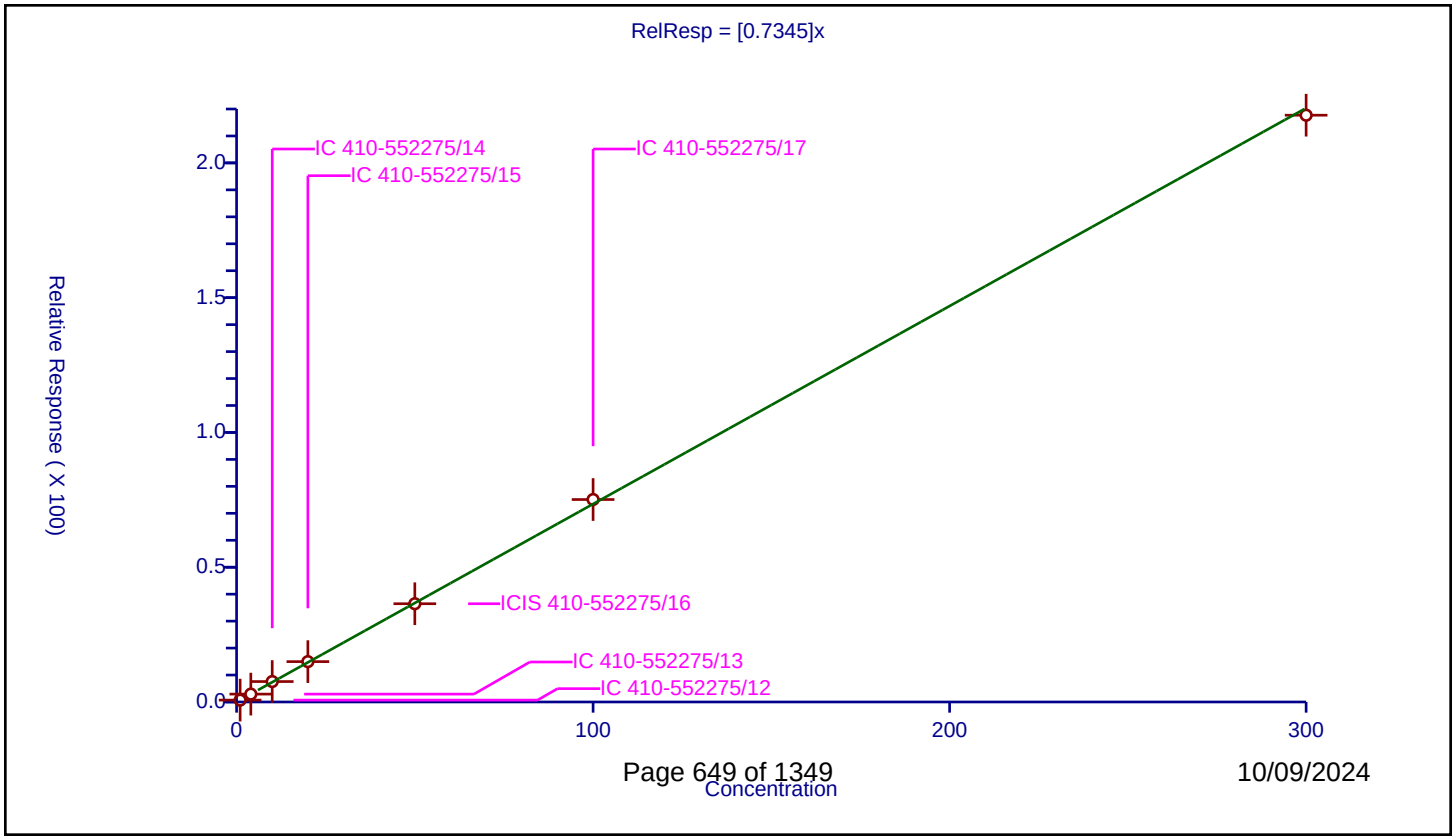
Curve Coefficients

Intercept:	0
Slope:	0.7345

Error Coefficients

Relative Standard Deviation:	2.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	1.0	0.697058	50.0	332612.0	0.697058	Y
2	IC 410-552275/13	4.0	2.924867	50.0	340289.0	0.731217	Y
3	IC 410-552275/14	10.0	7.587345	50.0	329786.0	0.758734	Y
4	IC 410-552275/15	20.0	14.974255	50.0	347443.0	0.748713	Y
5	ICIS 410-552275/16	50.0	36.452981	50.0	347176.0	0.72906	Y
6	IC 410-552275/17	100.0	75.112974	50.0	347645.0	0.75113	Y
7	IC 410-552275/18	300.0	217.704389	50.0	384512.0	0.725681	Y



10/09/2024

Calibration / tert-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

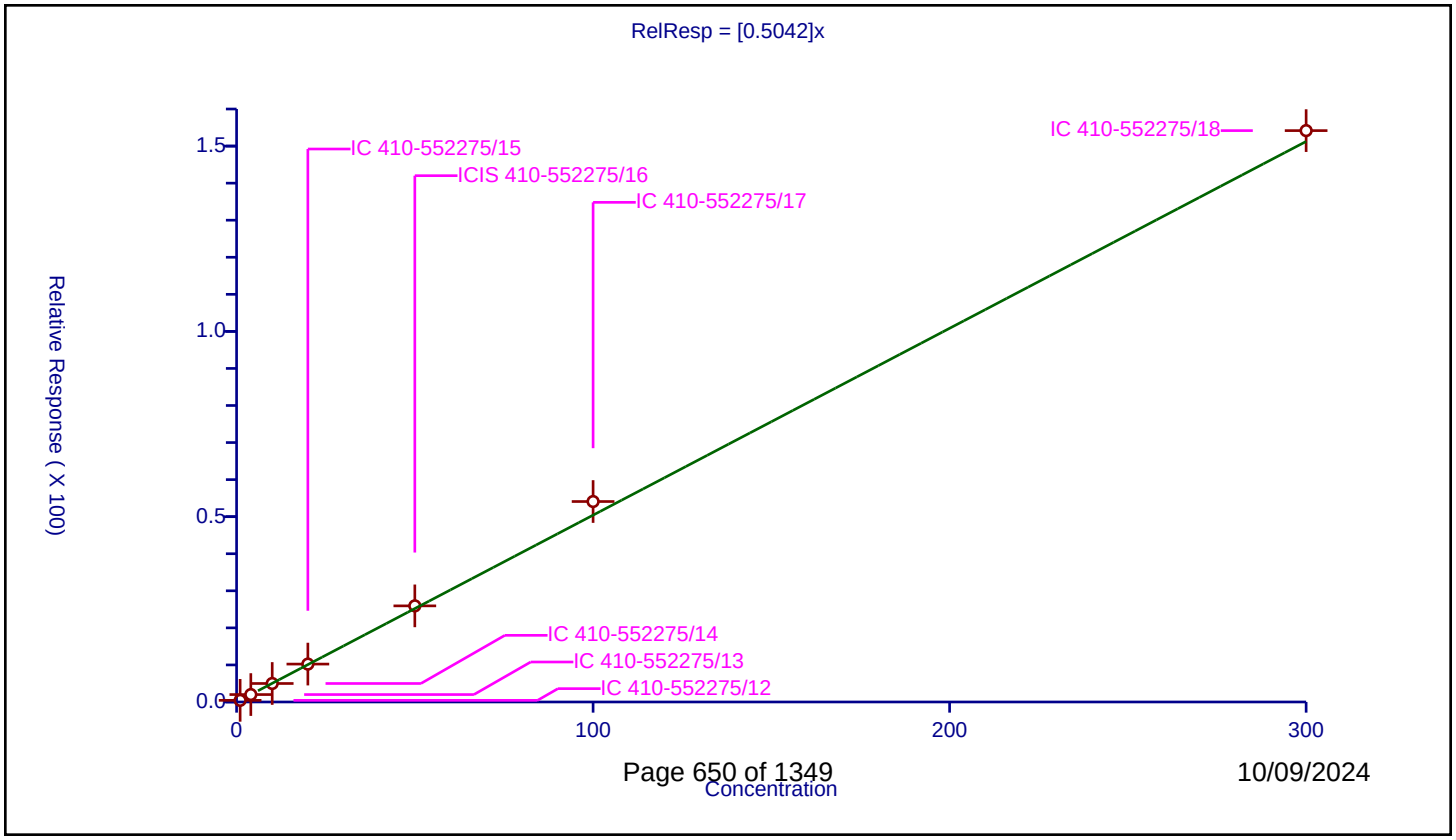
Curve Coefficients

Intercept:	0
Slope:	0.5042

Error Coefficients

Relative Standard Deviation:	5.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	1.0	0.444813	50.0	332612.0	0.444813	Y
2	IC 410-552275/13	4.0	2.000505	50.0	340289.0	0.500126	Y
3	IC 410-552275/14	10.0	4.991267	50.0	329786.0	0.499127	Y
4	IC 410-552275/15	20.0	10.22844	50.0	347443.0	0.511422	Y
5	ICIS 410-552275/16	50.0	25.937421	50.0	347176.0	0.518748	Y
6	IC 410-552275/17	100.0	54.092393	50.0	347645.0	0.540924	Y
7	IC 410-552275/18	300.0	154.171911	50.0	384512.0	0.513906	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

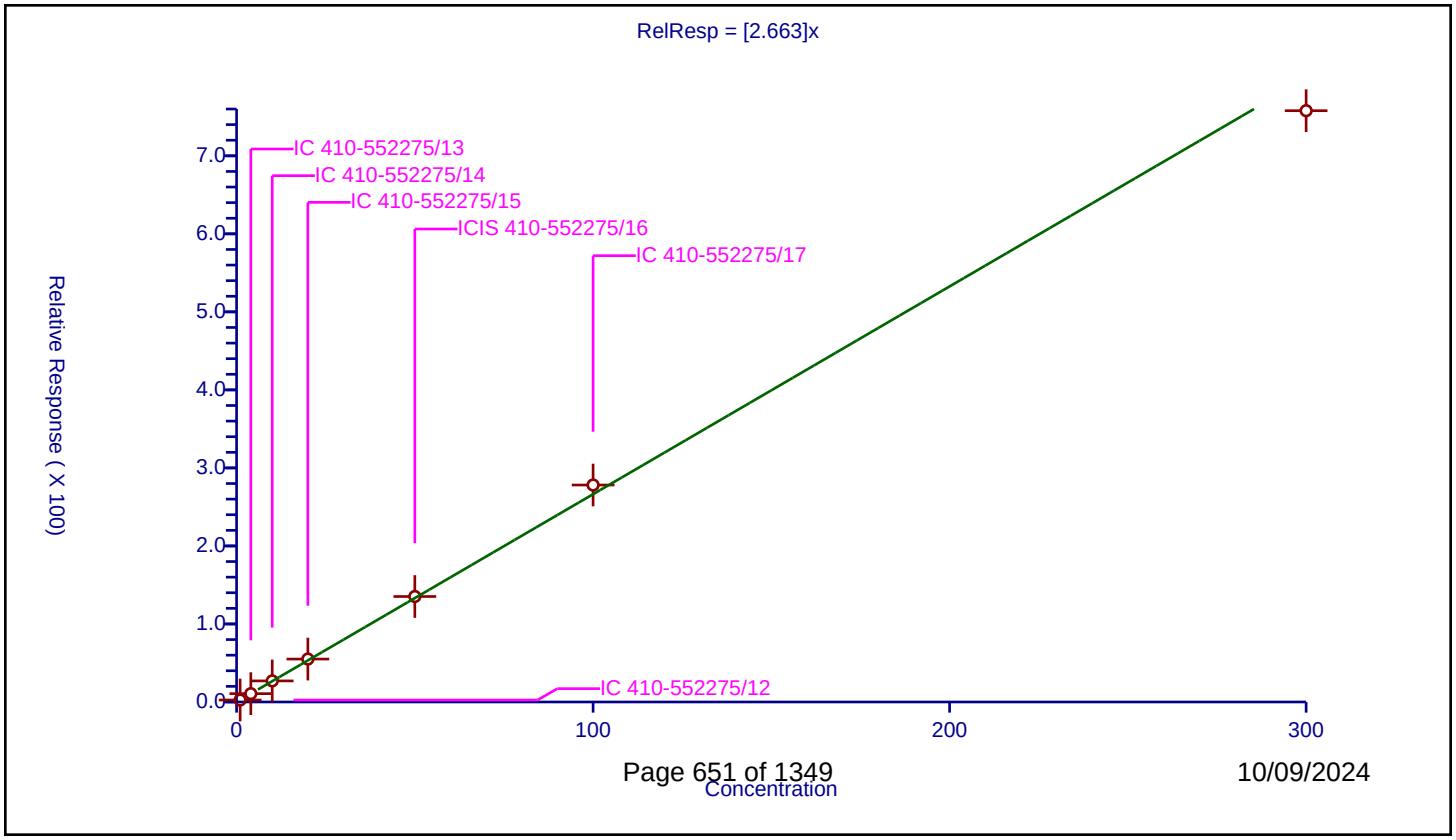
Curve Coefficients

Intercept:	0
Slope:	2.663

Error Coefficients

Relative Standard Deviation:	4.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	1.0	2.506223	50.0	332612.0	2.506223	Y
2	IC 410-552275/13	4.0	10.696349	50.0	340289.0	2.674087	Y
3	IC 410-552275/14	10.0	27.003269	50.0	329786.0	2.700327	Y
4	IC 410-552275/15	20.0	55.009599	50.0	347443.0	2.75048	Y
5	ICIS 410-552275/16	50.0	135.195837	50.0	347176.0	2.703917	Y
6	IC 410-552275/17	100.0	278.076198	50.0	347645.0	2.780762	Y
7	IC 410-552275/18	300.0	757.852421	50.0	384512.0	2.526175	Y



Calibration / sec-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

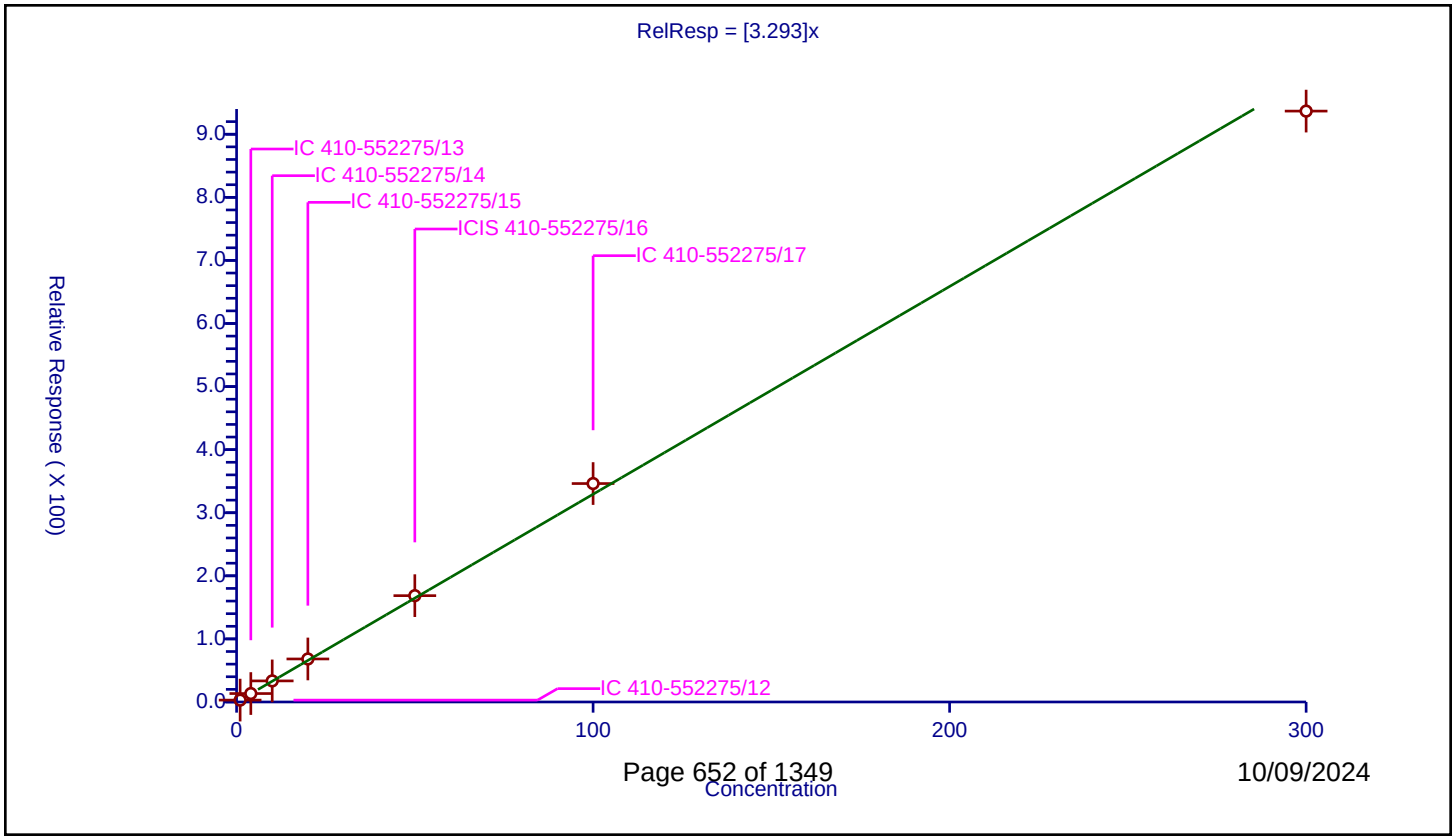
Curve Coefficients

Intercept:	0
Slope:	3.293

Error Coefficients

Relative Standard Deviation:	5.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	1.0	2.997938	50.0	332612.0	2.997938	Y
2	IC 410-552275/13	4.0	13.39244	50.0	340289.0	3.34811	Y
3	IC 410-552275/14	10.0	33.425009	50.0	329786.0	3.342501	Y
4	IC 410-552275/15	20.0	68.200971	50.0	347443.0	3.410049	Y
5	ICIS 410-552275/16	50.0	168.548805	50.0	347176.0	3.370976	Y
6	IC 410-552275/17	100.0	346.257964	50.0	347645.0	3.46258	Y
7	IC 410-552275/18	300.0	936.691573	50.0	384512.0	3.122305	Y



Calibration / 1,3-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

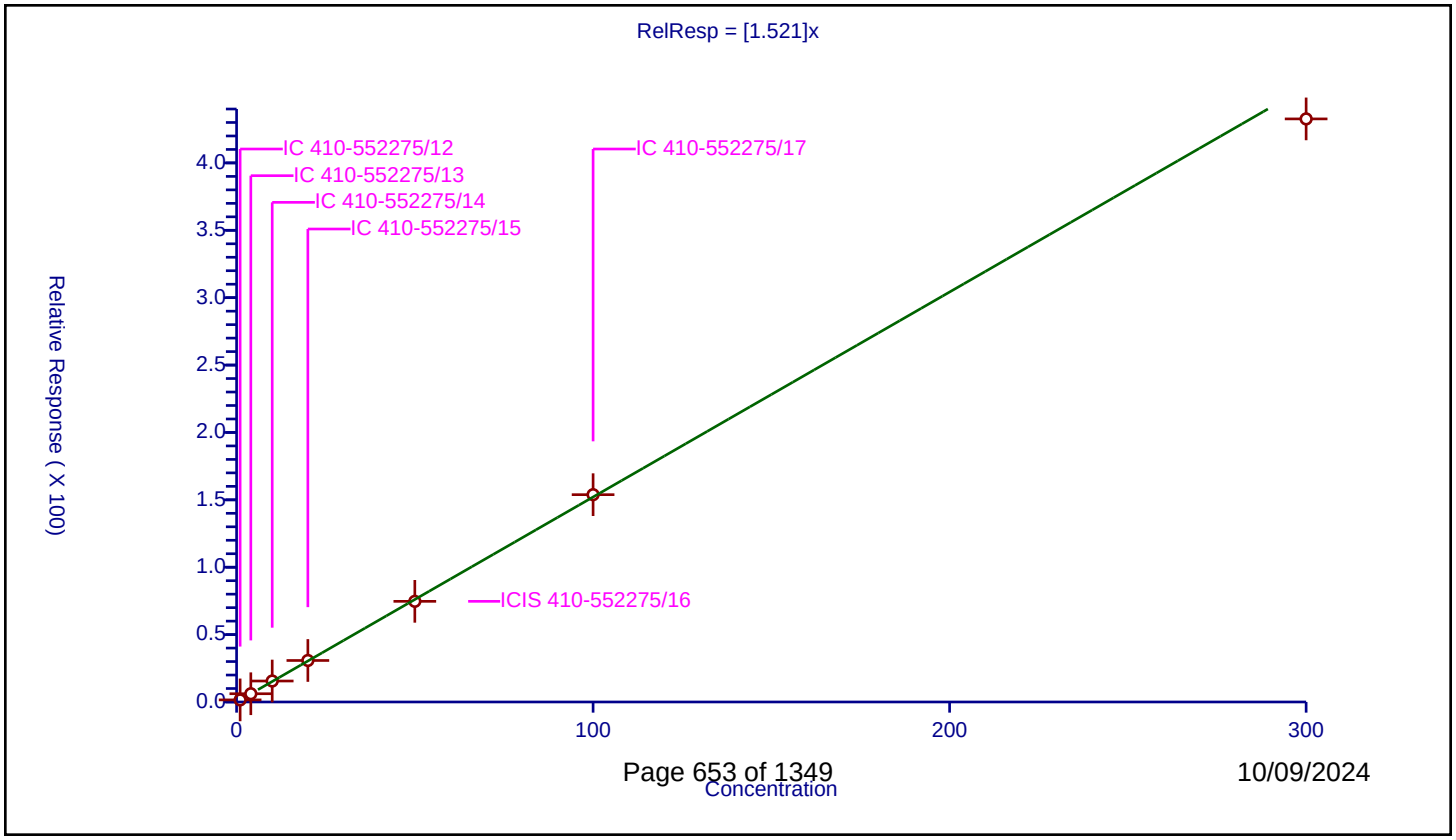
Curve Coefficients

Intercept:	0
Slope:	1.521

Error Coefficients

Relative Standard Deviation:	2.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	1.0	1.546396	50.0	332612.0	1.546396	Y
2	IC 410-552275/13	4.0	6.117006	50.0	340289.0	1.529252	Y
3	IC 410-552275/14	10.0	15.571916	50.0	329786.0	1.557192	Y
4	IC 410-552275/15	20.0	30.806492	50.0	347443.0	1.540325	Y
5	ICIS 410-552275/16	50.0	74.690647	50.0	347176.0	1.493813	Y
6	IC 410-552275/17	100.0	153.82718	50.0	347645.0	1.538272	Y
7	IC 410-552275/18	300.0	432.650346	50.0	384512.0	1.442168	Y



Calibration / 4-Isopropyltoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

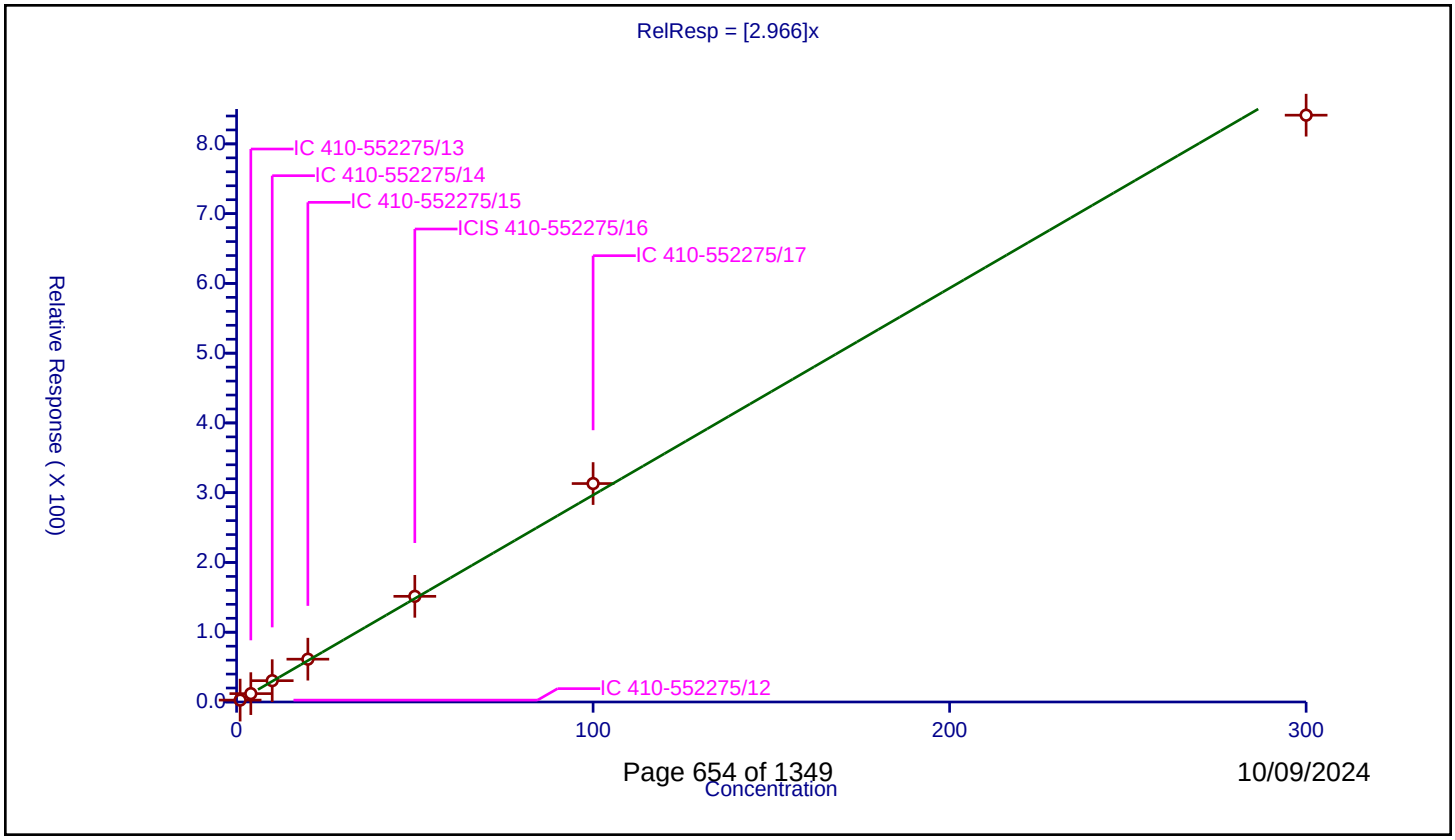
Curve Coefficients

Intercept:	0
Slope:	2.966

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	1.0	2.676091	50.0	332612.0	2.676091	Y
2	IC 410-552275/13	4.0	11.995686	50.0	340289.0	2.998922	Y
3	IC 410-552275/14	10.0	30.546021	50.0	329786.0	3.054602	Y
4	IC 410-552275/15	20.0	61.373664	50.0	347443.0	3.068683	Y
5	ICIS 410-552275/16	50.0	151.481093	50.0	347176.0	3.029622	Y
6	IC 410-552275/17	100.0	313.114672	50.0	347645.0	3.131147	Y
7	IC 410-552275/18	300.0	841.1822	50.0	384512.0	2.803941	Y



Calibration / 1,4-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

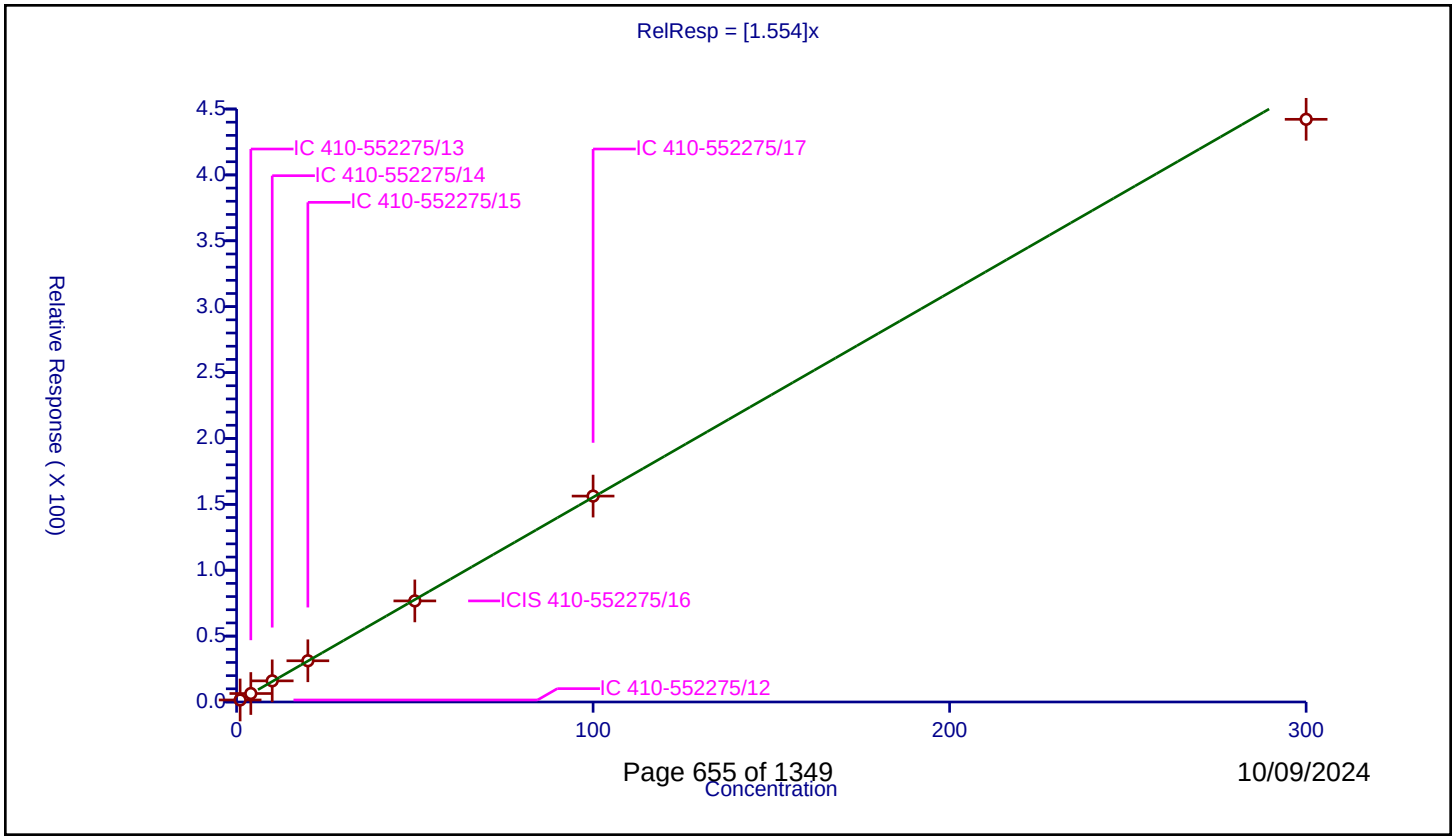
Curve Coefficients

Intercept:	0
Slope:	1.554

Error Coefficients

Relative Standard Deviation:	2.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	1.0	1.53422	50.0	332612.0	1.53422	Y
2	IC 410-552275/13	4.0	6.418368	50.0	340289.0	1.604592	Y
3	IC 410-552275/14	10.0	16.030547	50.0	329786.0	1.603055	Y
4	IC 410-552275/15	20.0	31.275778	50.0	347443.0	1.563789	Y
5	ICIS 410-552275/16	50.0	76.706339	50.0	347176.0	1.534127	Y
6	IC 410-552275/17	100.0	156.257101	50.0	347645.0	1.562571	Y
7	IC 410-552275/18	300.0	442.189971	50.0	384512.0	1.473967	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

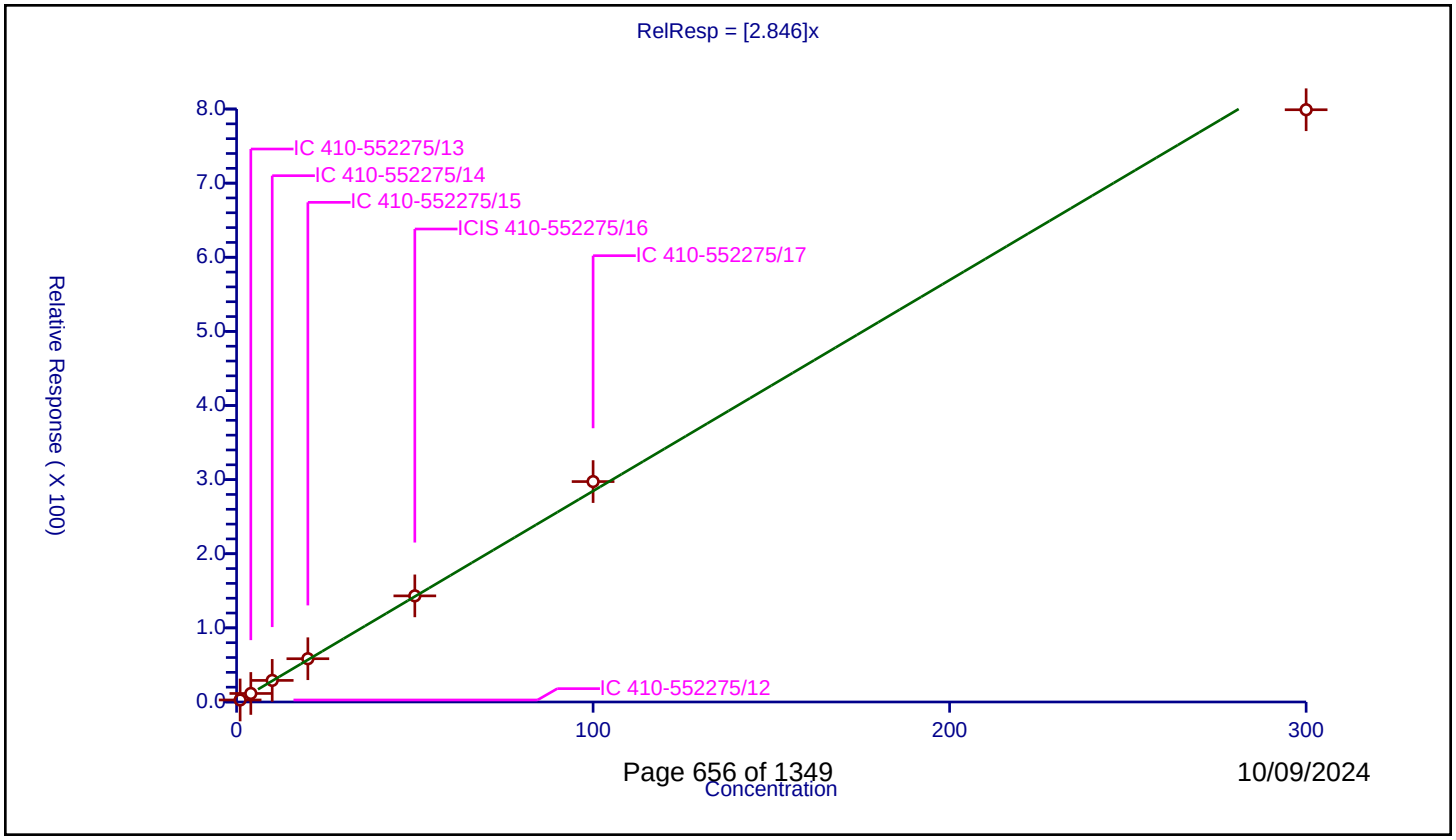
Curve Coefficients

Intercept:	0
Slope:	2.846

Error Coefficients

Relative Standard Deviation:	3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	1.0	2.721339	50.0	332612.0	2.721339	Y
2	IC 410-552275/13	4.0	11.479801	50.0	340289.0	2.86995	Y
3	IC 410-552275/14	10.0	29.118125	50.0	329786.0	2.911813	Y
4	IC 410-552275/15	20.0	58.381663	50.0	347443.0	2.919083	Y
5	ICIS 410-552275/16	50.0	143.170467	50.0	347176.0	2.863409	Y
6	IC 410-552275/17	100.0	297.36067	50.0	347645.0	2.973607	Y
7	IC 410-552275/18	300.0	799.012124	50.0	384512.0	2.663374	Y



Calibration / Benzyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

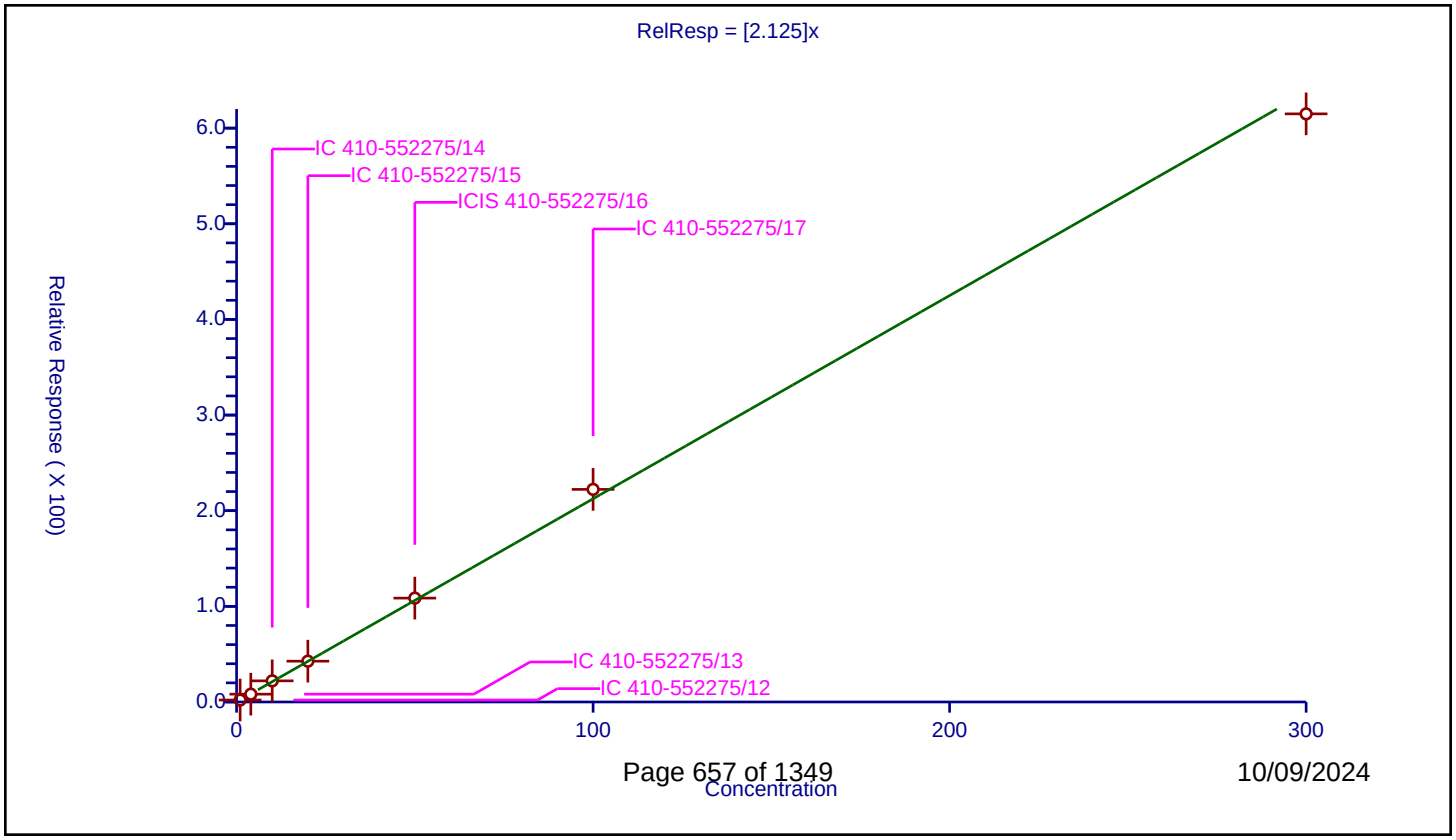
Curve Coefficients

Intercept:	0
Slope:	2.125

Error Coefficients

Relative Standard Deviation:	3.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	1.0	2.03796	50.0	332612.0	2.03796	Y
2	IC 410-552275/13	4.0	8.187012	50.0	340289.0	2.046753	Y
3	IC 410-552275/14	10.0	22.092963	50.0	329786.0	2.209296	Y
4	IC 410-552275/15	20.0	42.685851	50.0	347443.0	2.134293	Y
5	ICIS 410-552275/16	50.0	108.607162	50.0	347176.0	2.172143	Y
6	IC 410-552275/17	100.0	222.302636	50.0	347645.0	2.223026	Y
7	IC 410-552275/18	300.0	614.924502	50.0	384512.0	2.049748	Y



Calibration / 1,3-Diethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

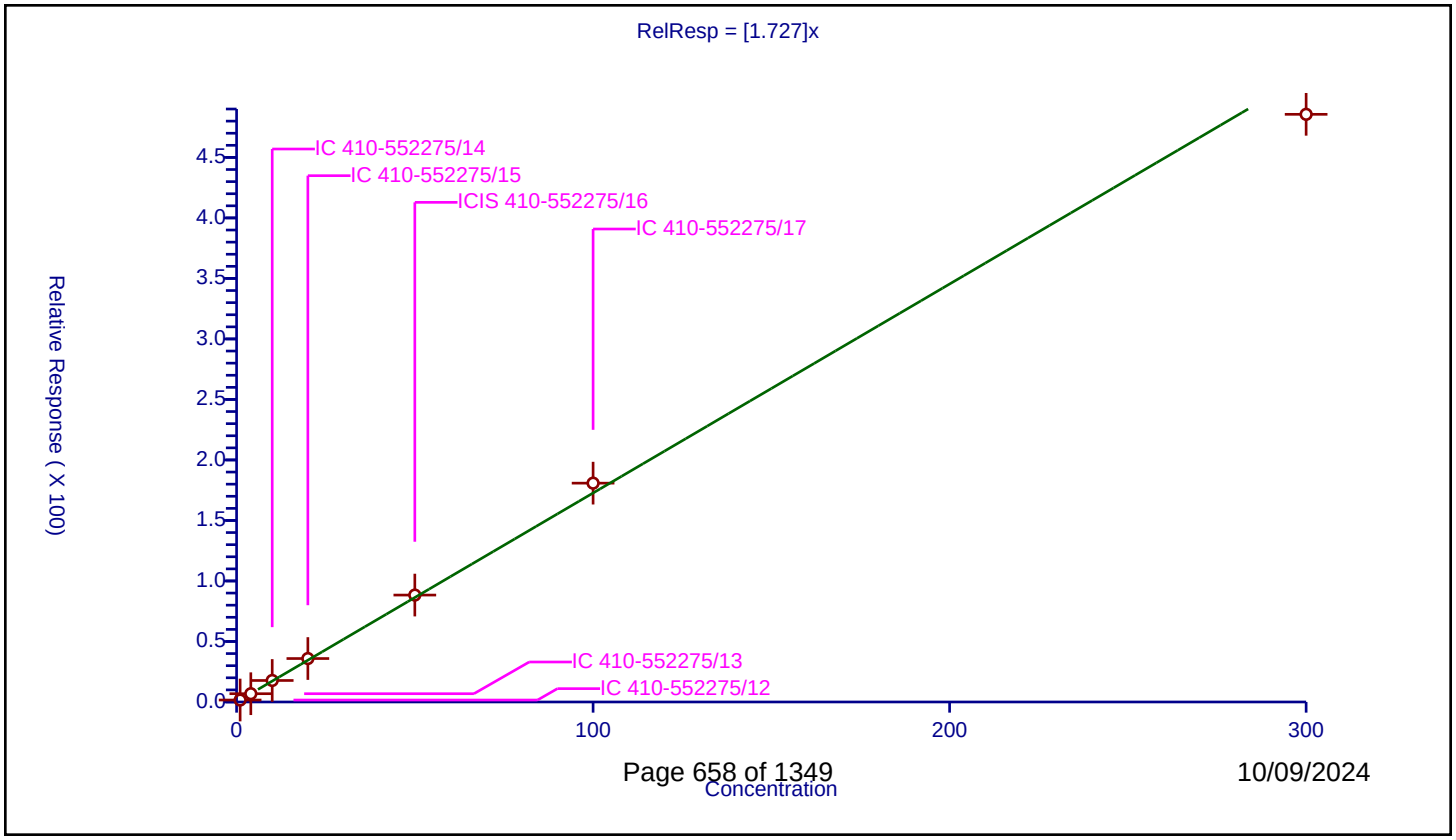
Curve Coefficients

Intercept:	0
Slope:	1.727

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	1.0	1.611187	50.0	332612.0	1.611187	Y
2	IC 410-552275/13	4.0	6.840803	50.0	340289.0	1.710201	Y
3	IC 410-552275/14	10.0	17.780167	50.0	329786.0	1.778017	Y
4	IC 410-552275/15	20.0	35.899558	50.0	347443.0	1.794978	Y
5	ICIS 410-552275/16	50.0	88.360803	50.0	347176.0	1.767216	Y
6	IC 410-552275/17	100.0	180.826705	50.0	347645.0	1.808267	Y
7	IC 410-552275/18	300.0	485.612283	50.0	384512.0	1.618708	Y



Calibration / p-Diethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

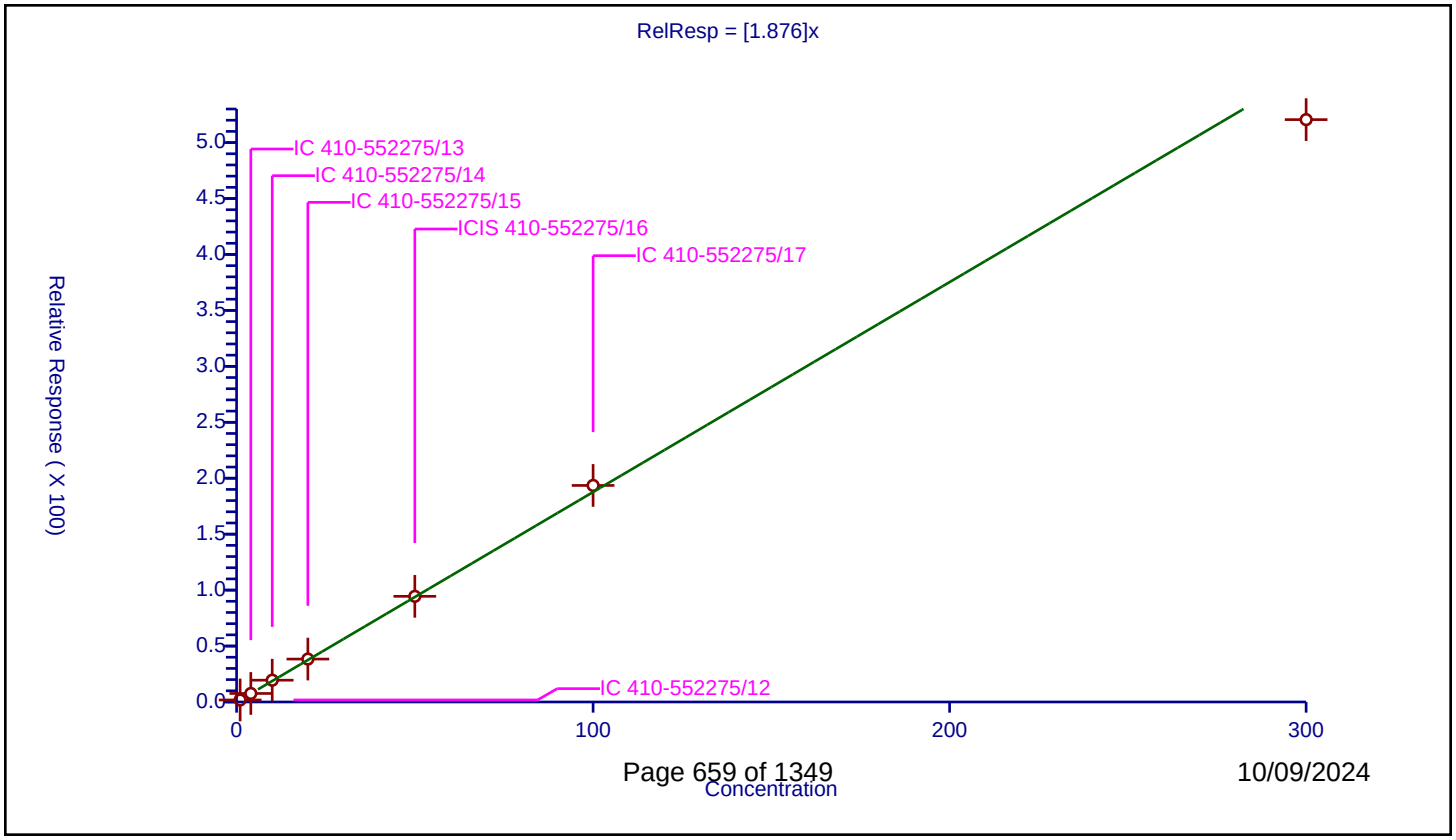
Curve Coefficients

Intercept:	0
Slope:	1.876

Error Coefficients

Relative Standard Deviation:	4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	1.0	1.805557	50.0	332612.0	1.805557	Y
2	IC 410-552275/13	4.0	7.62161	50.0	340289.0	1.905402	Y
3	IC 410-552275/14	10.0	19.473841	50.0	329786.0	1.947384	Y
4	IC 410-552275/15	20.0	38.352478	50.0	347443.0	1.917624	Y
5	ICIS 410-552275/16	50.0	94.440428	50.0	347176.0	1.888809	Y
6	IC 410-552275/17	100.0	193.552043	50.0	347645.0	1.93552	Y
7	IC 410-552275/18	300.0	520.515485	50.0	384512.0	1.735052	Y



Calibration / n-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

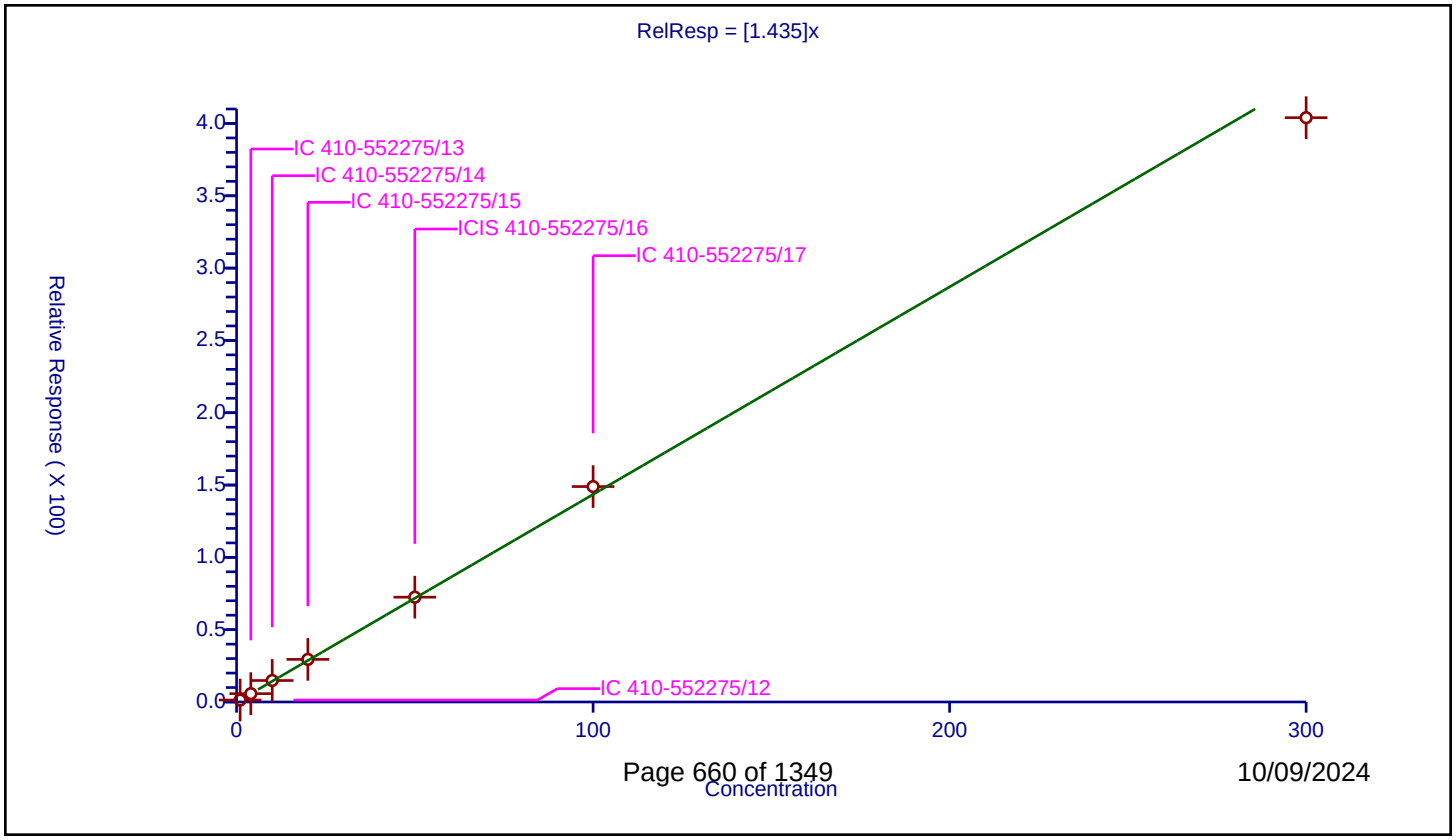
Curve Coefficients

Intercept:	0
Slope:	1.435

Error Coefficients

Relative Standard Deviation:	4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	1.0	1.359843	50.0	332612.0	1.359843	Y
2	IC 410-552275/13	4.0	5.763777	50.0	340289.0	1.440944	Y
3	IC 410-552275/14	10.0	14.859181	50.0	329786.0	1.485918	Y
4	IC 410-552275/15	20.0	29.460372	50.0	347443.0	1.473019	Y
5	ICIS 410-552275/16	50.0	72.470591	50.0	347176.0	1.449412	Y
6	IC 410-552275/17	100.0	148.94749	50.0	347645.0	1.489475	Y
7	IC 410-552275/18	300.0	404.005727	50.0	384512.0	1.346686	Y



Calibration / 1,2-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

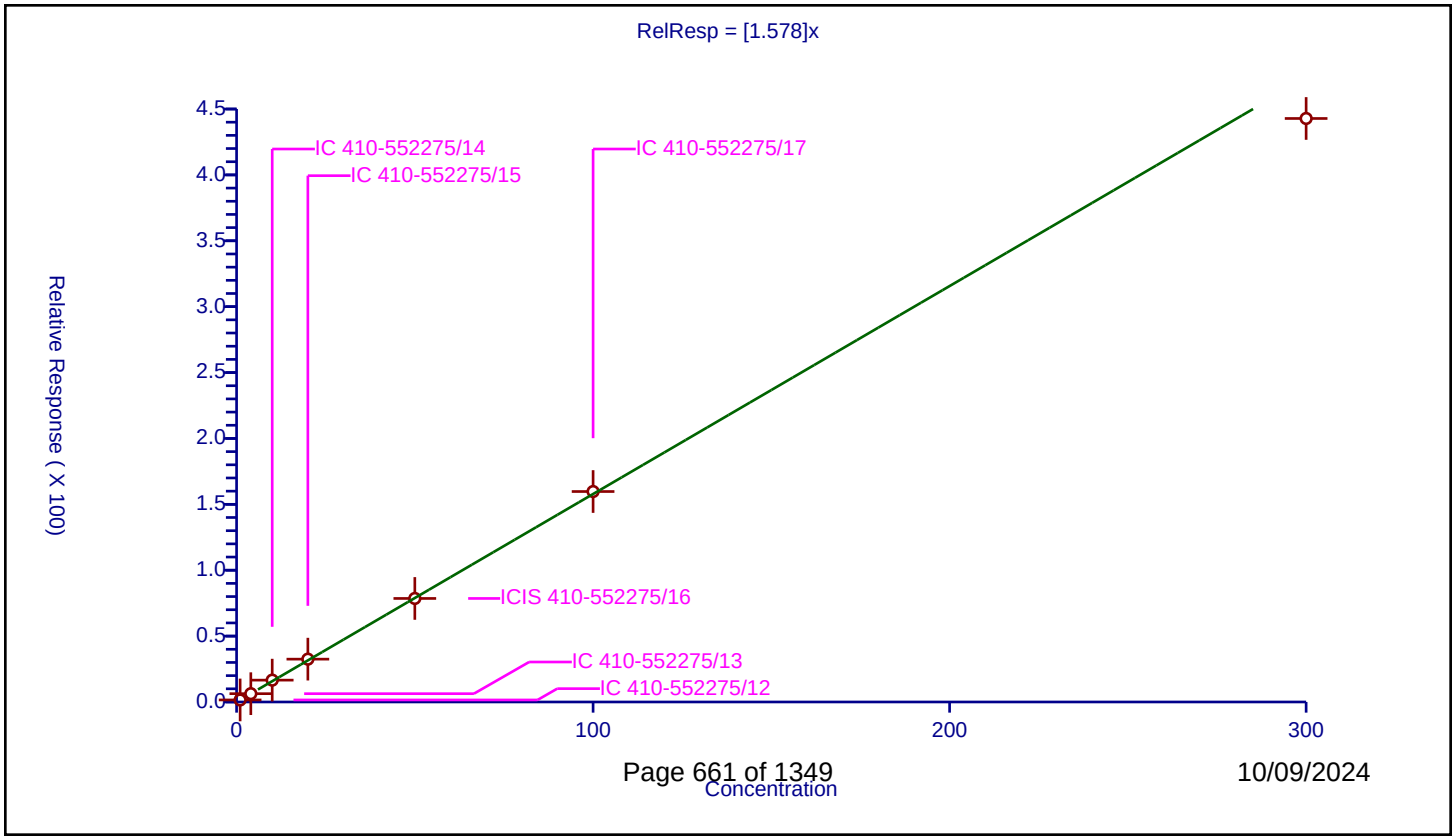
Curve Coefficients

Intercept:	0
Slope:	1.578

Error Coefficients

Relative Standard Deviation:	3.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	1.0	1.544592	50.0	332612.0	1.544592	Y
2	IC 410-552275/13	4.0	6.302143	50.0	340289.0	1.575536	Y
3	IC 410-552275/14	10.0	16.581207	50.0	329786.0	1.658121	Y
4	IC 410-552275/15	20.0	32.50159	50.0	347443.0	1.62508	Y
5	ICIS 410-552275/16	50.0	78.571531	50.0	347176.0	1.571431	Y
6	IC 410-552275/17	100.0	159.713645	50.0	347645.0	1.597136	Y
7	IC 410-552275/18	300.0	442.81921	50.0	384512.0	1.476064	Y



Calibration / o-diethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

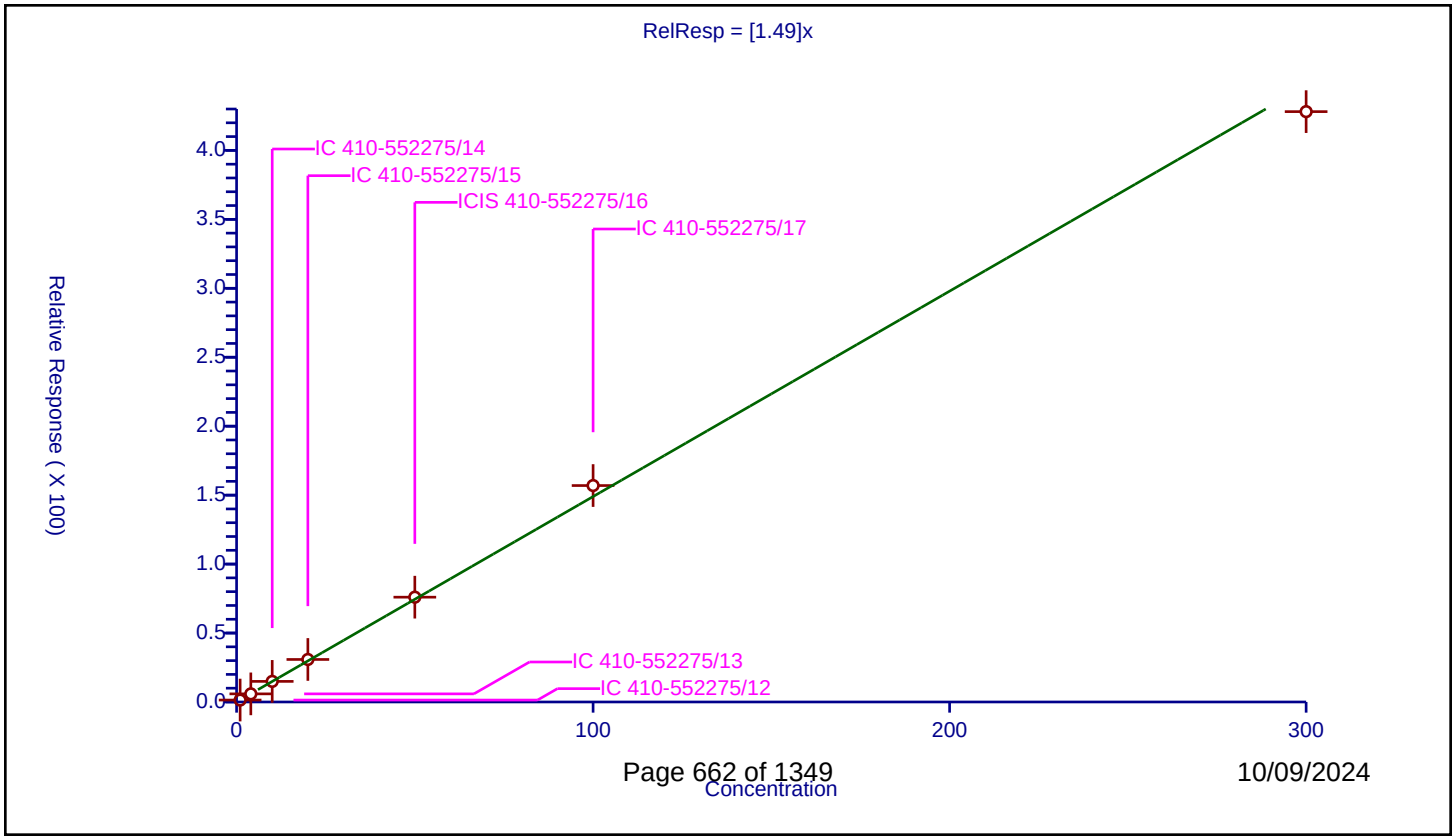
Curve Coefficients

Intercept:	0
Slope:	1.49

Error Coefficients

Relative Standard Deviation:	4.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	1.0	1.404189	50.0	332612.0	1.404189	Y
2	IC 410-552275/13	4.0	5.887202	50.0	340289.0	1.4718	Y
3	IC 410-552275/14	10.0	14.929227	50.0	329786.0	1.492923	Y
4	IC 410-552275/15	20.0	30.828798	50.0	347443.0	1.54144	Y
5	ICIS 410-552275/16	50.0	76.012311	50.0	347176.0	1.520246	Y
6	IC 410-552275/17	100.0	156.947029	50.0	347645.0	1.56947	Y
7	IC 410-552275/18	300.0	428.114077	50.0	384512.0	1.427047	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

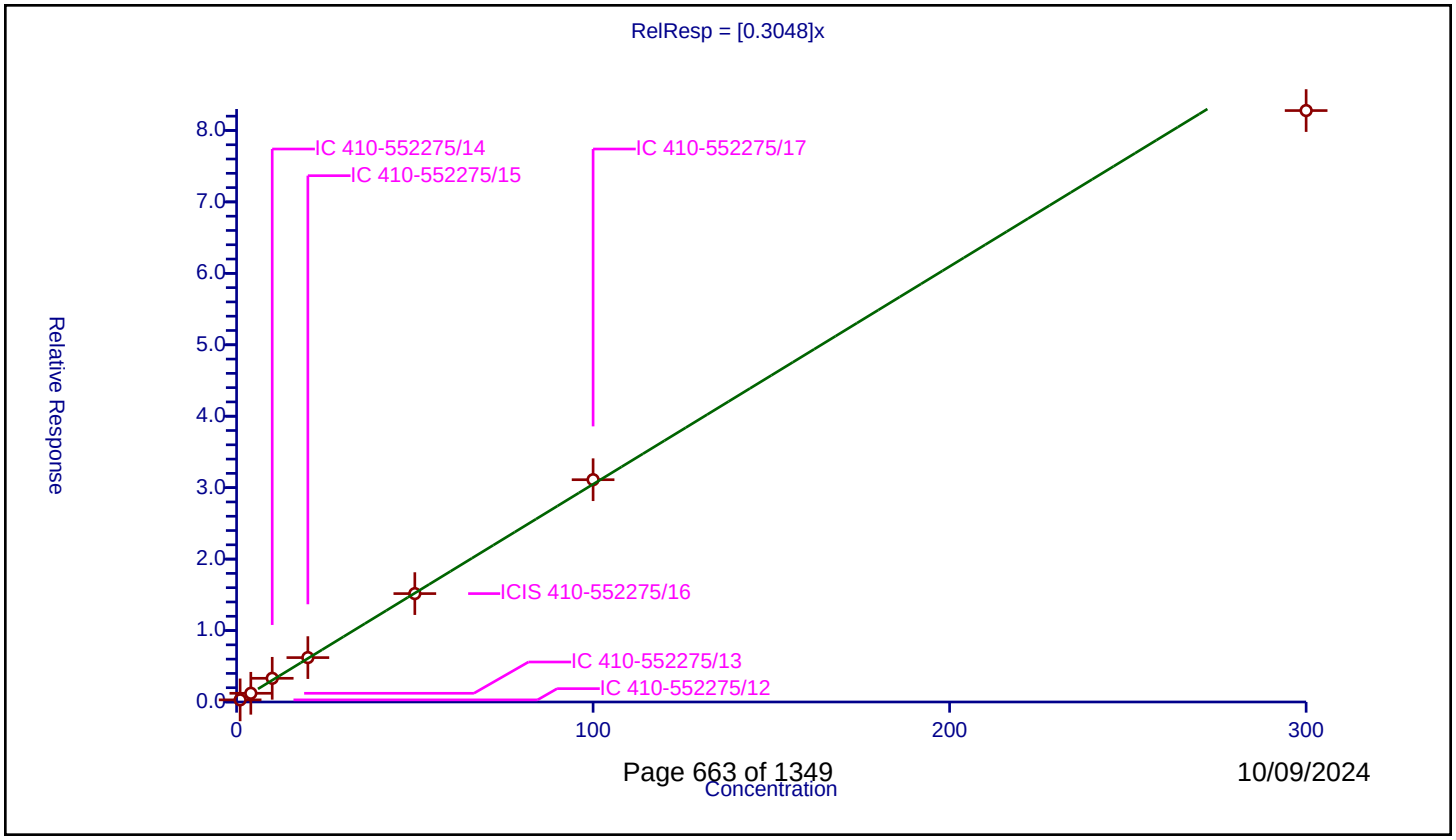
Curve Coefficients

Intercept:	0
Slope:	0.3048

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	1.0	0.296141	50.0	332612.0	0.296141	Y
2	IC 410-552275/13	4.0	1.21867	50.0	340289.0	0.304668	Y
3	IC 410-552275/14	10.0	3.31609	50.0	329786.0	0.331609	Y
4	IC 410-552275/15	20.0	6.213681	50.0	347443.0	0.310684	Y
5	ICIS 410-552275/16	50.0	15.169827	50.0	347176.0	0.303397	Y
6	IC 410-552275/17	100.0	31.114211	50.0	347645.0	0.311142	Y
7	IC 410-552275/18	300.0	82.783892	50.0	384512.0	0.275946	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

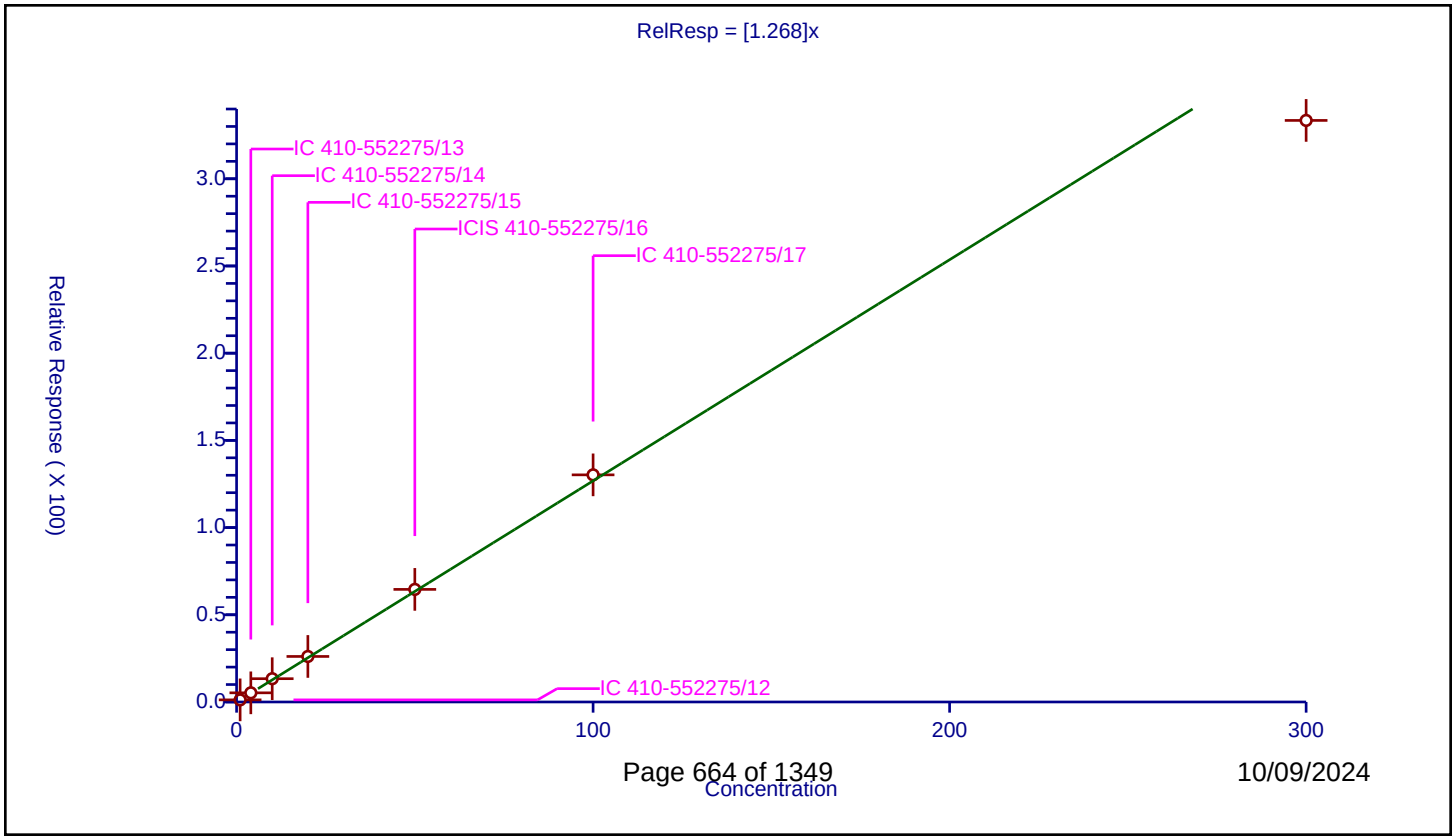
Curve Coefficients

Intercept:	0
Slope:	1.268

Error Coefficients

Relative Standard Deviation:	6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	1.0	1.216132	50.0	332612.0	1.216132	Y
2	IC 410-552275/13	4.0	5.252594	50.0	340289.0	1.313149	Y
3	IC 410-552275/14	10.0	13.352295	50.0	329786.0	1.33523	Y
4	IC 410-552275/15	20.0	26.11306	50.0	347443.0	1.305653	Y
5	ICIS 410-552275/16	50.0	64.564515	50.0	347176.0	1.29129	Y
6	IC 410-552275/17	100.0	130.231558	50.0	347645.0	1.302316	Y
7	IC 410-552275/18	300.0	333.456433	50.0	384512.0	1.111521	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

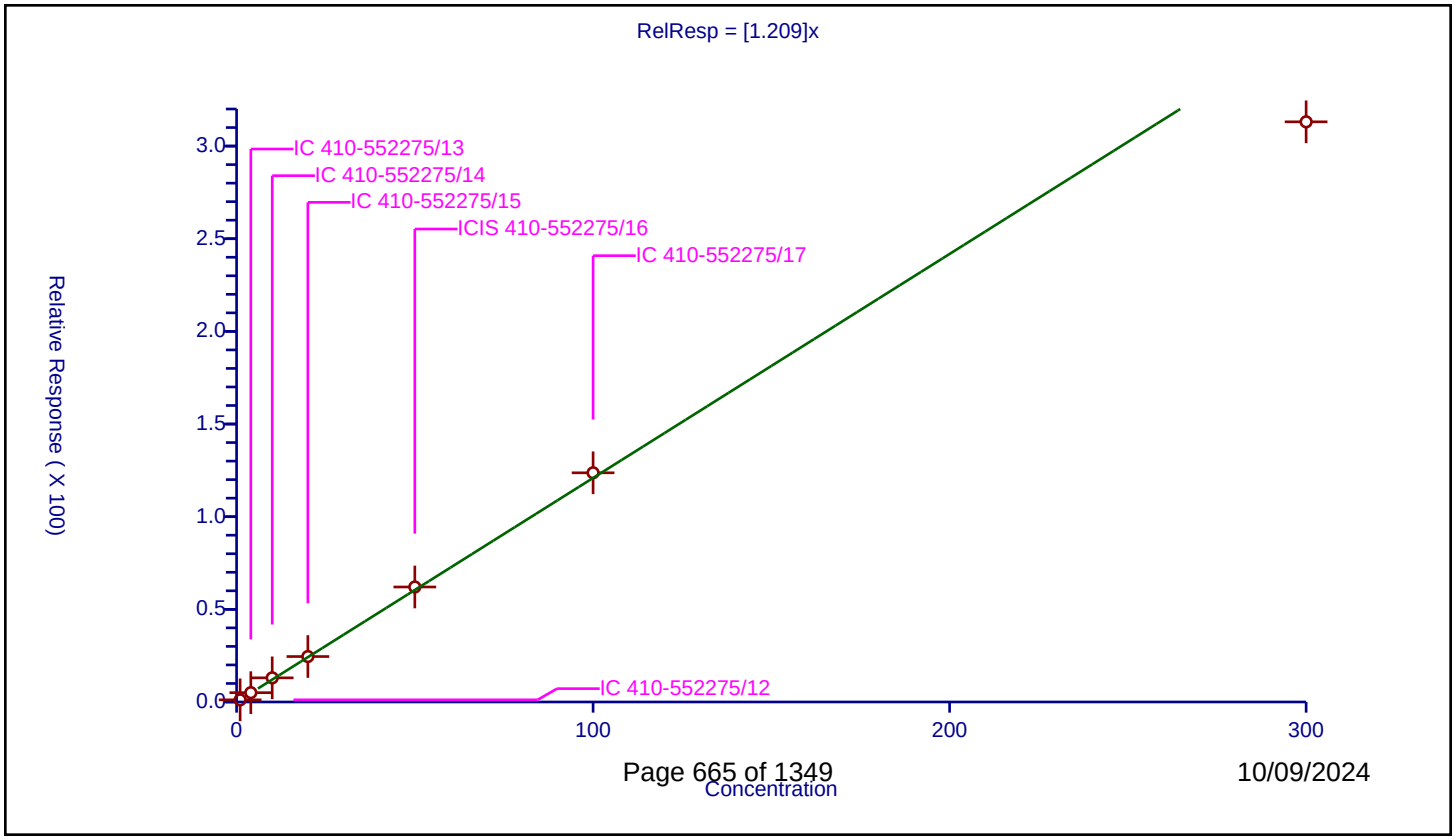
Curve Coefficients

Intercept:	0
Slope:	1.209

Error Coefficients

Relative Standard Deviation:	7.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	1.0	1.1551	50.0	332612.0	1.1551	Y
2	IC 410-552275/13	4.0	5.0247	50.0	340289.0	1.256175	Y
3	IC 410-552275/14	10.0	13.031481	50.0	329786.0	1.303148	Y
4	IC 410-552275/15	20.0	24.53093	50.0	347443.0	1.226547	Y
5	ICIS 410-552275/16	50.0	62.061606	50.0	347176.0	1.241232	Y
6	IC 410-552275/17	100.0	123.687526	50.0	347645.0	1.236875	Y
7	IC 410-552275/18	300.0	313.087628	50.0	384512.0	1.043625	Y



Calibration / Hexachlorobutadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

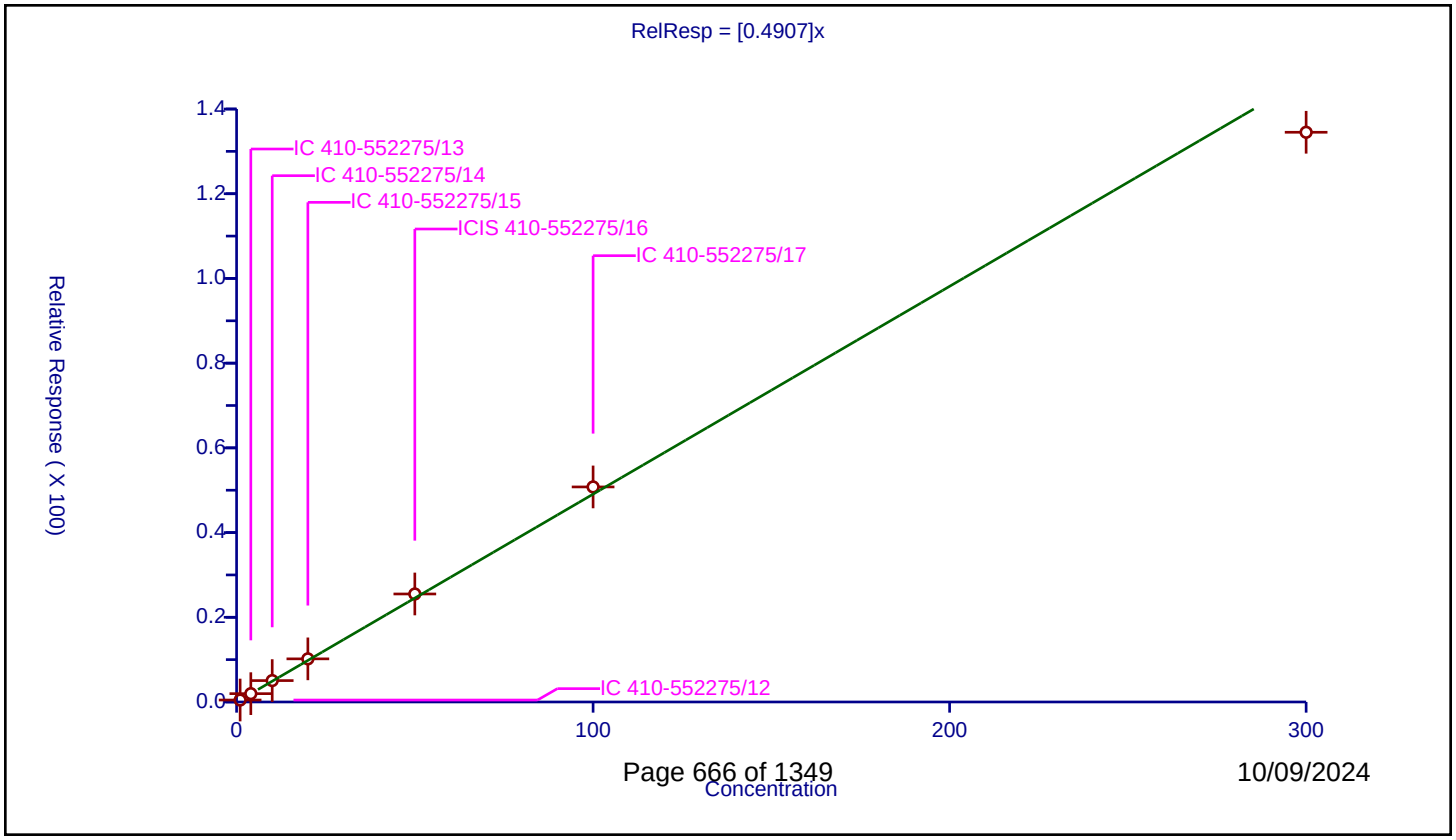
Curve Coefficients

Intercept:	0
Slope:	0.4907

Error Coefficients

Relative Standard Deviation:	5.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	1.0	0.4621	50.0	332612.0	0.4621	Y
2	IC 410-552275/13	4.0	1.967592	50.0	340289.0	0.491898	Y
3	IC 410-552275/14	10.0	5.055096	50.0	329786.0	0.50551	Y
4	IC 410-552275/15	20.0	10.183397	50.0	347443.0	0.50917	Y
5	ICIS 410-552275/16	50.0	25.501763	50.0	347176.0	0.510035	Y
6	IC 410-552275/17	100.0	50.772771	50.0	347645.0	0.507728	Y
7	IC 410-552275/18	300.0	134.512317	50.0	384512.0	0.448374	Y



Calibration / Naphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

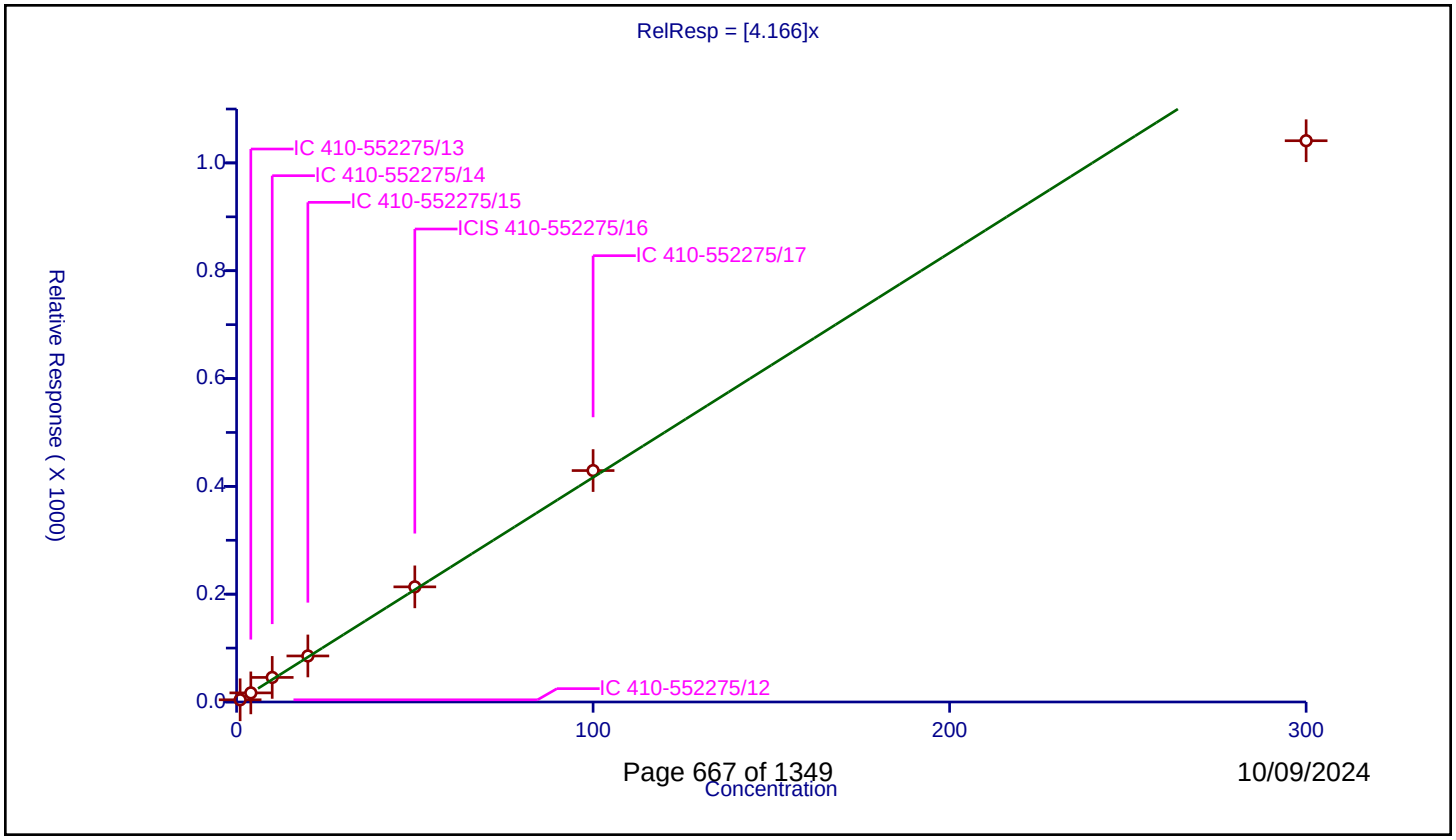
Curve Coefficients

Intercept:	0
Slope:	4.166

Error Coefficients

Relative Standard Deviation:	8.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	1.0	4.078175	50.0	332612.0	4.078175	Y
2	IC 410-552275/13	4.0	16.887998	50.0	340289.0	4.222	Y
3	IC 410-552275/14	10.0	45.567732	50.0	329786.0	4.556773	Y
4	IC 410-552275/15	20.0	85.38638	50.0	347443.0	4.269319	Y
5	ICIS 410-552275/16	50.0	213.59757	50.0	347176.0	4.271951	Y
6	IC 410-552275/17	100.0	429.315106	50.0	347645.0	4.293151	Y
7	IC 410-552275/18	300.0	1041.180509	50.0	384512.0	3.470602	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

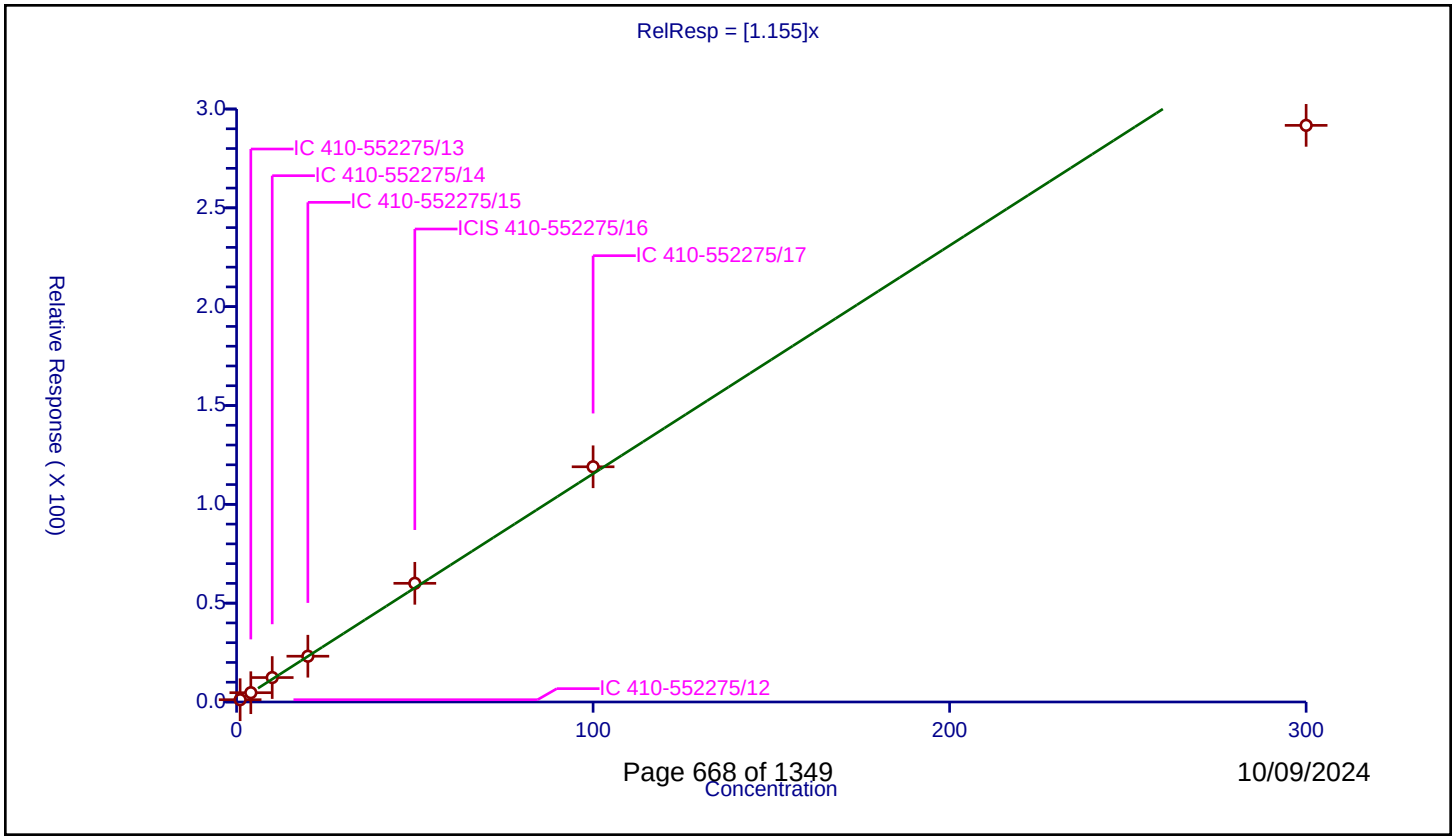
Curve Coefficients

Intercept:	0
Slope:	1.155

Error Coefficients

Relative Standard Deviation:	7.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	1.0	1.148636	50.0	332612.0	1.148636	Y
2	IC 410-552275/13	4.0	4.707175	50.0	340289.0	1.176794	Y
3	IC 410-552275/14	10.0	12.36332	50.0	329786.0	1.236332	Y
4	IC 410-552275/15	20.0	23.151423	50.0	347443.0	1.157571	Y
5	ICIS 410-552275/16	50.0	60.039288	50.0	347176.0	1.200786	Y
6	IC 410-552275/17	100.0	119.003869	50.0	347645.0	1.190039	Y
7	IC 410-552275/18	300.0	291.735759	50.0	384512.0	0.972453	Y



Calibration / 2-Methylnaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

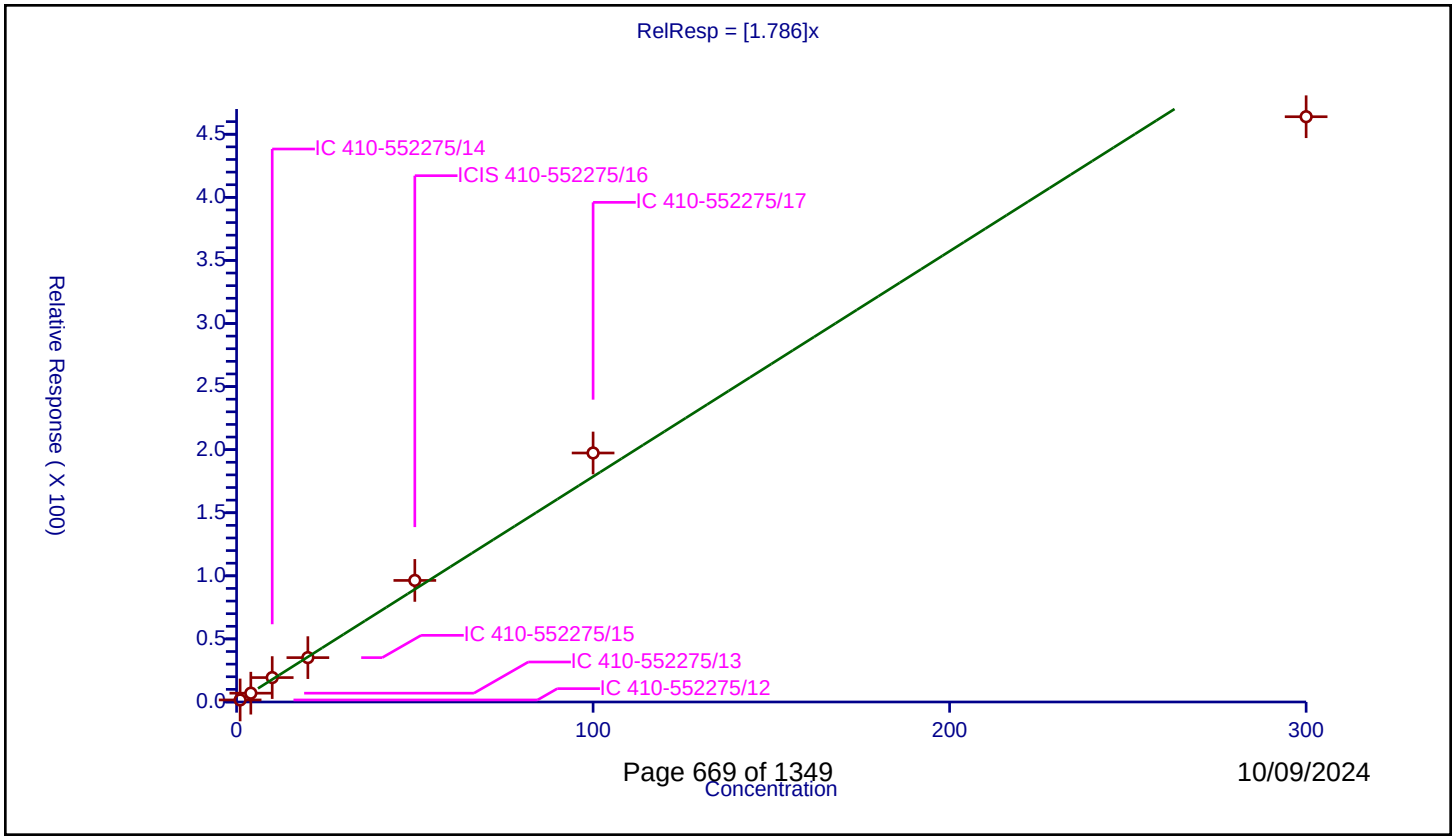
Curve Coefficients

Intercept:	0
Slope:	1.786

Error Coefficients

Relative Standard Deviation:	9.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-552275/12	1.0	1.614945	50.0	332612.0	1.614945	Y
2	IC 410-552275/13	4.0	6.995818	50.0	340289.0	1.748955	Y
3	IC 410-552275/14	10.0	19.358766	50.0	329786.0	1.935877	Y
4	IC 410-552275/15	20.0	35.162458	50.0	347443.0	1.758123	Y
5	ICIS 410-552275/16	50.0	96.346378	50.0	347176.0	1.926928	Y
6	IC 410-552275/17	100.0	197.368436	50.0	347645.0	1.973684	Y
7	IC 410-552275/18	300.0	463.891504	50.0	384512.0	1.546305	Y



FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1 Analy Batch No.: 557456

SDG No.:

Instrument ID: 9137 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/30/2024 19:14 Calibration End Date: 09/30/2024 21:03 Calibration ID: 66266

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-557456/3	WS30X02.D
Level 2	IC 410-557456/4	WS30X03.D
Level 3	IC 410-557456/5	WS30X04.D
Level 4	IC 410-557456/6	WS30X05.D
Level 5	IC 410-557456/7	WS30X06.D
Level 6	IC 410-557456/8	WS30X07.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 3	LVL 4	LVL 5		B	M1	M2								
Chlorotrifluoroethene	0.3576 0.3491	0.3535	0.4166	0.3955	0.3766	Ave		0.3748				7.1		20.0			
Chlorodifluoromethane	10.488 7.9285	9.8434	10.422	9.5766	8.6775	Ave		9.4893				10.6		20.0			
Freon 133a	0.4970 0.4286	0.4611	0.5192	0.4759	0.4608	Ave		0.4737				6.7		20.0			
Ethyl ether	0.1944 0.1907	0.2112	0.2126	0.1981	0.1974	Ave		0.2007				4.5		20.0			
Acetonitrile	1.2504 1.0051	1.3536	1.1775	1.0633	1.0043	Ave		1.1424				12.5		20.0			
Vinyl acetate	0.5822 0.5048	0.5575	0.5603	0.5170	0.5031	Ave		0.5375				6.2		20.0			
Ethyl acetate	0.3681 0.3423	0.3850	0.3734	0.3406	0.3414	Ave		0.3585				5.4		20.0			
Isopropyl acetate	0.6754 0.6192	0.6878	0.6651	0.6242	0.6233	Ave		0.6492				4.7		20.0			
n-Propyl acetate	0.1503 0.1461	0.1543	0.1550	0.1415	0.1437	Ave		0.1485				3.8		20.0			
3,4-Dichloro-1-butene	0.3838 0.3988	0.4080	0.3968	0.3816	0.3843	Ave		0.3922				2.7		20.0			
Butyl acetate	0.7683 0.7144	0.7572	0.7671	0.7146	0.7082	Ave		0.7383				3.9		20.0			
cis-1,4-Dichloro-2-butene	0.1834 0.2080	0.1935	0.1894	0.1902	0.1937	Ave		0.1930				4.3		20.0			
Pentachloroethane	0.3372 0.3621	0.3243	0.3473	0.3509	0.3389	Ave		0.3435				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
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC | Job No.: 410-190105-1 | Analy Batch No.: 557456

SDG No.:

Instrument ID: 9137 | GC Column: R-624SilMS ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 09/30/2024 19:14 | Calibration End Date: 09/30/2024 21:03 | Calibration ID: 66266

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-557456/3	WS30X02.D
Level 2	IC 410-557456/4	WS30X03.D
Level 3	IC 410-557456/5	WS30X04.D
Level 4	IC 410-557456/6	WS30X05.D
Level 5	IC 410-557456/7	WS30X06.D
Level 6	IC 410-557456/8	WS30X07.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Chlorotrifluoroethene	FB	Ave	31130 2302939	80427	179140	445487	845673	4.00 300	10.0	20.0	50.0	100
Chlorodifluoromethane	TBAd10	Ave	62794 3458282	138130	283045	677402	1272740	4.00 300	10.0	20.0	50.0	100
Freon 133a	FB	Ave	43259 2826770	104892	223236	536092	1034779	4.00 300	10.0	20.0	50.0	100
Ethyl ether	FB	Ave	16916 1258010	48051	91388	223088	443254	4.00 300	10.00	20.0	50.0	100.0
Acetonitrile	TBAd10	Ave	37433 2192072	94973	159902	376064	736543	20.0 1500	50.0	100	250	500
Vinyl acetate	FB	Ave	50680 3329814	126839	240903	582418	1129668	4.00 300	10.0	20.0	50.0	100
Ethyl acetate	FB	Ave	32044 2257577	87590	160571	383721	766705	4.00 300	10.0	20.0	50.0	100
Isopropyl acetate	FB	Ave	58792 4084511	156463	285995	703123	1399635	4.00 300	10.0	20.0	50.0	100
n-Propyl acetate	FB	Ave	13079 963930	35092	66651	159354	322796	4.00 300	10.0	20.0	50.0	100
3,4-Dichloro-1-butene	CBZd5	Ave	24979 1967963	69421	126570	321679	643973	4.00 300	10.00	20.0	50.0	100.0
Butyl acetate	CBZd5	Ave	50000 3525005	128821	244698	602460	1186802	4.00 300	10.0	20.0	50.0	100
cis-1,4-Dichloro-2-butene	CBZd5	Ave	11935 1026171	32922	60419	160286	324595	4.00 300	10.00	20.0	50.0	100.0
Pentachloroethane	DCBd4	Ave	12527 1019173	31960	64505	170398	330493	4.00 300	10.0	20.0	50.0	100

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.: 410-190105-1 | Analy Batch No.: 557456

SDG No.:

Instrument ID: 9137 | GC Column: R-624SilMS 3 ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 09/30/2024 19:14 | Calibration End Date: 09/30/2024 21:03 | Calibration ID: 66266

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-557456/3	WS30X02.D
Level 2	IC 410-557456/4	WS30X03.D
Level 3	IC 410-557456/5	WS30X04.D
Level 4	IC 410-557456/6	WS30X05.D
Level 5	IC 410-557456/7	WS30X06.D
Level 6	IC 410-557456/8	WS30X07.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Chlorotrifluoroethene	-4.6	-5.7	11.1	5.5	0.5	-6.9	50	30	30	30	30	30
Chlorodifluoromethane	10.5	3.7	9.8	0.9	-8.6	-16.4	50	30	30	30	30	30
Freon 133a	4.9	-2.7	9.6	0.5	-2.7	-9.5	50	30	30	30	30	30
Ethyl ether	-3.2	5.2	5.9	-1.3	-1.7	-5.0	50	30	30	30	30	30
Acetonitrile	9.5	18.5	3.1	-6.9	-12.1	-12.0	50	30	30	30	30	30
Vinyl acetate	8.3	3.7	4.2	-3.8	-6.4	-6.1	50	30	30	30	30	30
Ethyl acetate	2.7	7.4	4.2	-5.0	-4.8	-4.5	50	30	30	30	30	30
Isopropyl acetate	4.0	5.9	2.5	-3.8	-4.0	-4.6	50	30	30	30	30	30
n-Propyl acetate	1.2	3.9	4.4	-4.7	-3.2	-1.6	50	30	30	30	30	30
3,4-Dichloro-1-butene	-2.1	4.0	1.2	-2.7	-2.0	1.7	50	30	30	30	30	30
Butyl acetate	4.1	2.6	3.9	-3.2	-4.1	-3.2	50	30	30	30	30	30
cis-1,4-Dichloro-2-butene	-5.0	0.3	-1.9	-1.5	0.4	7.7	50	30	30	30	30	30
Pentachloroethane	-1.8	-5.6	1.1	2.2	-1.3	5.4	50	30	30	30	30	30

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9137\20240930-126367.b\WS30X02.D
Lims ID: IC sm v4
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 30-Sep-2024 19:14:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0126367-003
Misc. Info.: IC SM V4
Operator ID: MCD07824 Instrument ID: 9137
Sublist: chrom-MSVoa_9137*sub38

Method: \\chromfs\Lancaster\ChromData\9137\20240930-126367.b\MSVoa_9137.m
Limit Group: MSV - 8260C_D
Last Update: 01-Oct-2024 09:08:30 Calib Date: 01-Oct-2024 00:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9137\20240930-126367.b\WS30X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1618

First Level Reviewer: DVW2 Date: 01-Oct-2024 08:23:22

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
4 Chlorotrifluoroethene	116	1.963	1.969	-0.006	91	31130	4.00	3.82	
5 Chlorodifluoromethane	51	2.011	2.021	-0.010	71	62794	4.00	4.42	
10 2-Chloro-1,1,1-Trifluoroethane	118	2.428	2.428	0.000	32	43259	4.00	4.20	a
16 Ethyl ether	59	3.349	3.349	0.000	91	16916	4.00	3.87	
29 Acetonitrile	41	4.129	4.138	-0.009	97	37433	20.0	21.9	
* 32 t-Butyl alcohol-d10 (IS)	65	4.418	4.418	0.000	22	374208	250.0	250.0	
39 Vinyl acetate	43	5.454	5.464	-0.010	95	50680	4.00	4.33	
46 Ethyl acetate	43	6.324	6.330	-0.006	98	32044	4.00	4.11	
63 Isopropyl acetate	43	7.569	7.572	-0.003	97	58792	4.00	4.16	
* 65 Fluorobenzene (IS)	96	7.886	7.893	-0.007	99	1088095	50.0	50.0	
76 n-Propyl acetate	61	8.862	8.862	0.000	98	13079	4.00	4.05	a
124 2,3,4-Trichlorobutene	109		9.417				ND	ND	
93 3,4-Dichloro-1-butene	75	10.614	10.614	0.000	92	24979	4.00	3.91	
97 n-Butyl acetate	43	10.742	10.739	0.003	98	50000	4.00	4.16	
* 101 Chlorobenzene-d5 (IS)	117	11.323	11.327	-0.004	84	813516	50.0	50.0	
112 cis-1,4-Dichloro-2-butene	88	12.222	12.222	0.000	25	11935	4.00	3.80	a
126 Pentachloroethane	167	12.908	12.915	-0.007	88	12527	4.00	3.93	
* 133 1,4-Dichlorobenzene-d4	152	13.197	13.194	0.003	95	464356	50.0	50.0	

QC Flag Legend

Processing Flags
ND - Not Detected or Marked ND
Review Flags
a - User Assigned ID

Reagents:

MSV_CCV_Penta_00054	Amount Added:	4.00	Units: uL
MSV_CCV_EE_00007	Amount Added:	4.00	Units: uL
MSV_CCV_V5ACE_00040	Amount Added:	4.00	Units: uL
MSV_Cent_ISO_00005	Amount Added:	5.00	Units: uL
MSV_CCV_LKB_00011	Amount Added:	4.00	Units: uL
MSV_V_SMFreon_00050	Amount Added:	2.00	Units: uL

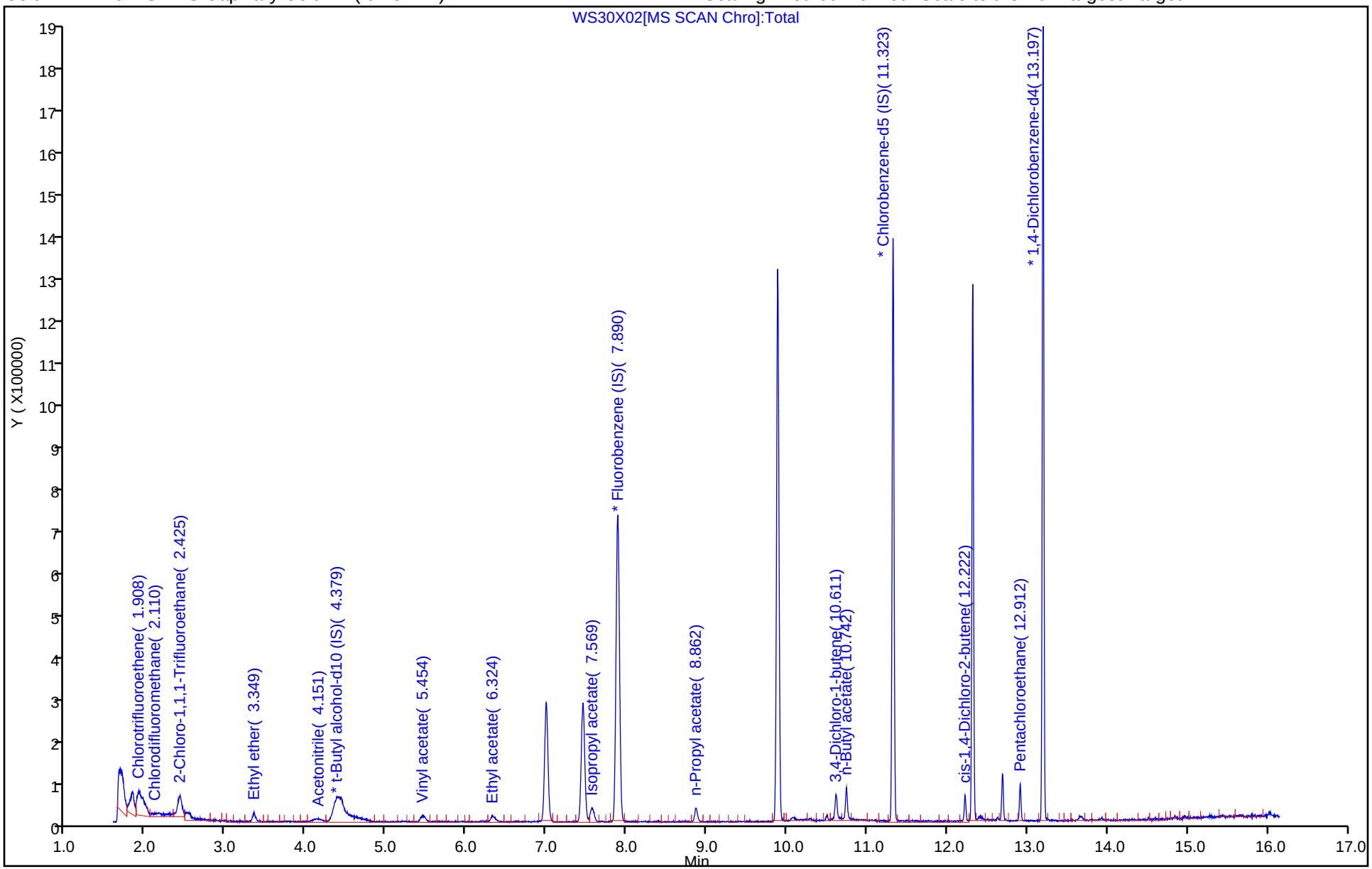
Report Date: 01-Oct-2024 09:08:30 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9137\20240930-126367.b\WS30X02.D

Injection Date:	30-Sep-2024 19:14:30	Instrument ID:	9137	Operator ID:	MCD07824
Lims ID:	IC sm v4			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	MSVoa_9137	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

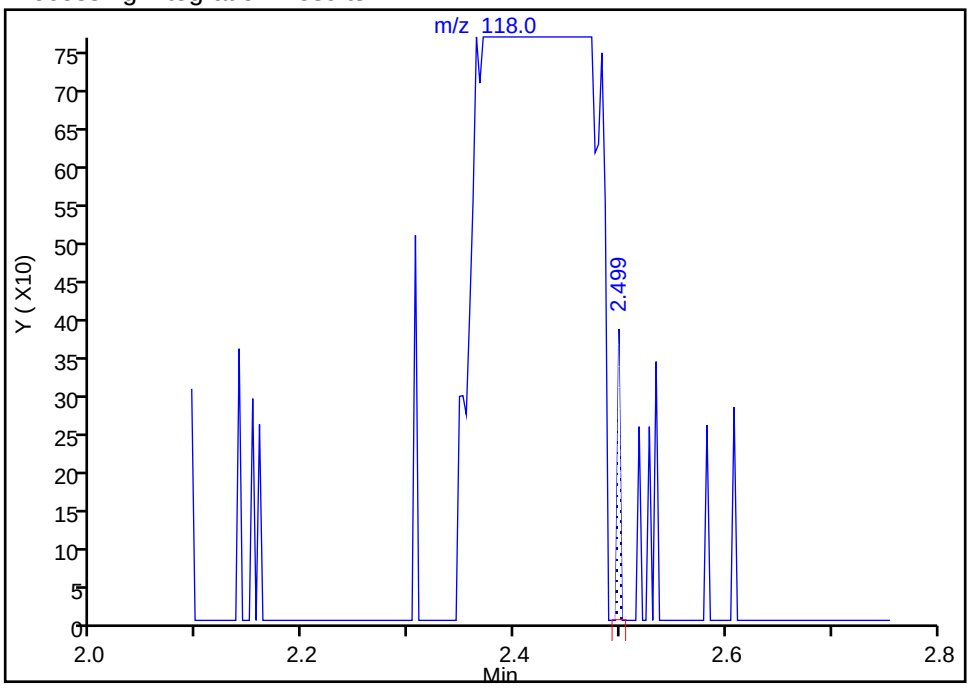
Data File: \\chromfs\Lancaster\ChromData\9137\20240930-126367.b\WS30X02.D
Injection Date: 30-Sep-2024 19:14:30 Instrument ID: 9137
Lims ID: IC sm v4
Client ID:
Operator ID: MCD07824 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9137 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

10 2-Chloro-1,1,1-Trifluoroethane, CAS: 75-88-7

Signal: 1

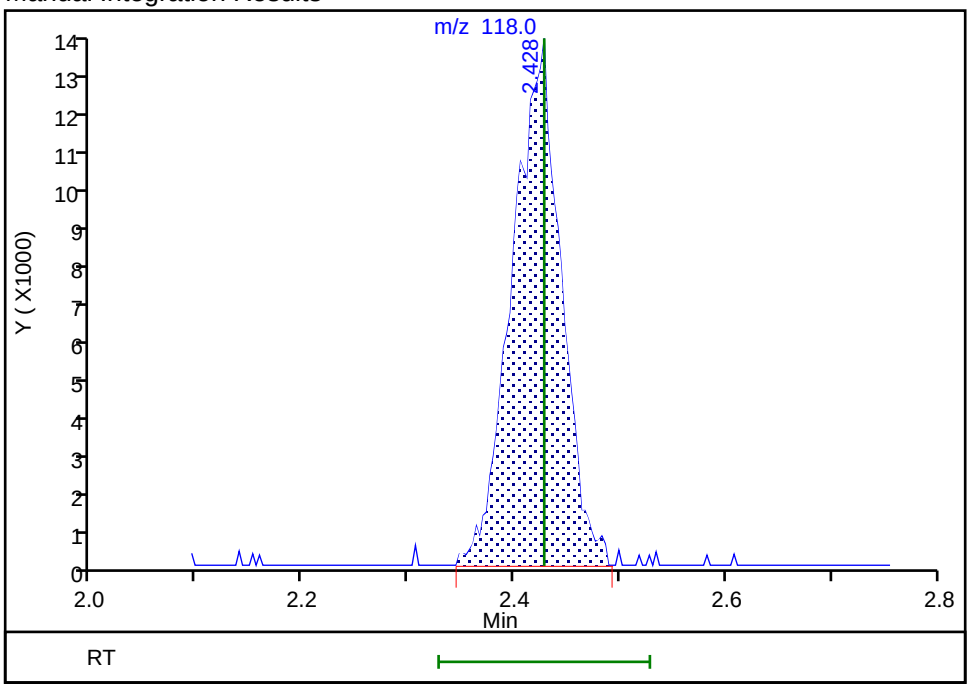
Processing Integration Results

RT: 2.50
Area: 74
Amount: 0.010814
Amount Units: ug/l



Manual Integration Results

RT: 2.43
Area: 43259
Amount: 4.195999
Amount Units: ug/l



Reviewer: DVW2, 01-Oct-2024 08:23:01 -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

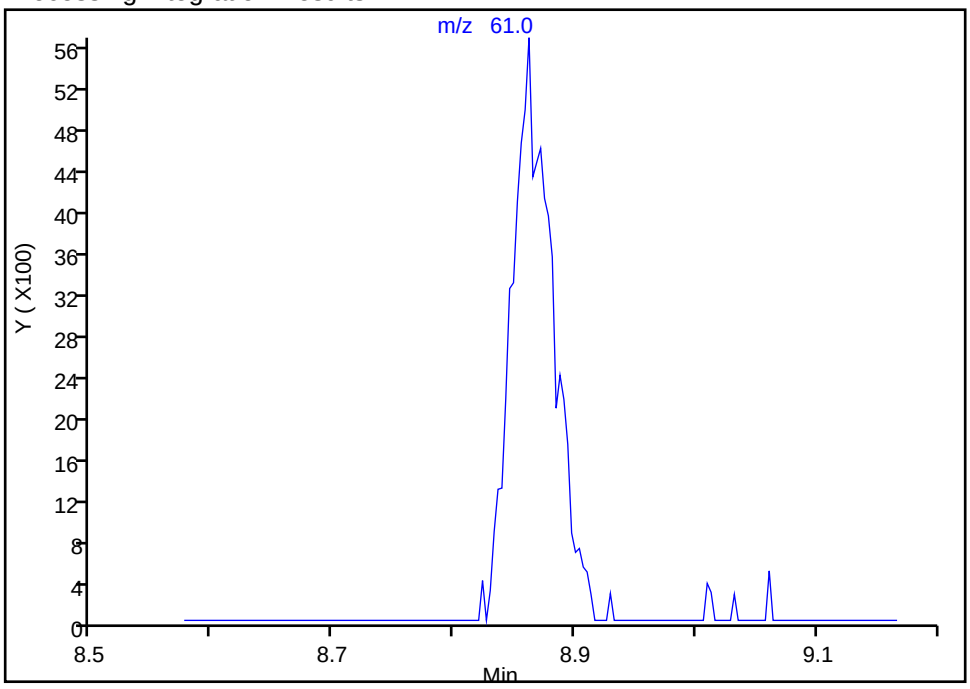
Data File:	\\chromfs\Lancaster\ChromData\9137\20240930-126367.b\WS30X02.D				
Injection Date:	30-Sep-2024 19:14:30	Instrument ID:	9137		
Lims ID:	IC sm v4				
Client ID:					
Operator ID:	MCD07824	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9137	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

76 n-Propyl acetate, CAS: 109-60-4

Signal: 1

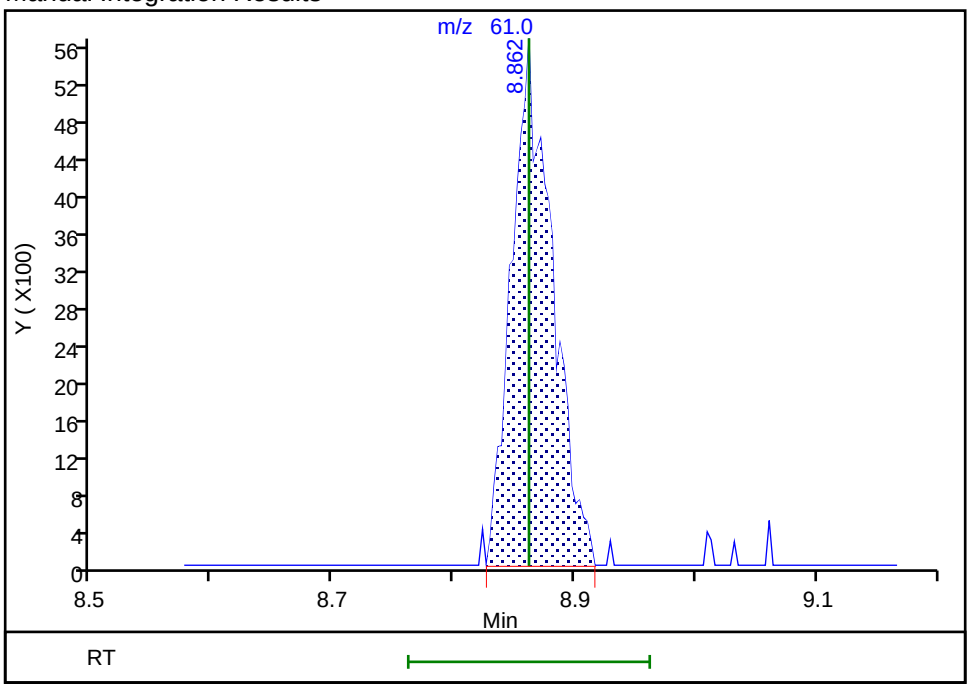
Not Detected
Expected RT: 8.86

Processing Integration Results



Manual Integration Results

RT: 8.86
Area: 13079
Amount: 4.047806
Amount Units: ug/l



Reviewer: DVW2, 01-Oct-2024 09:05:17 -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

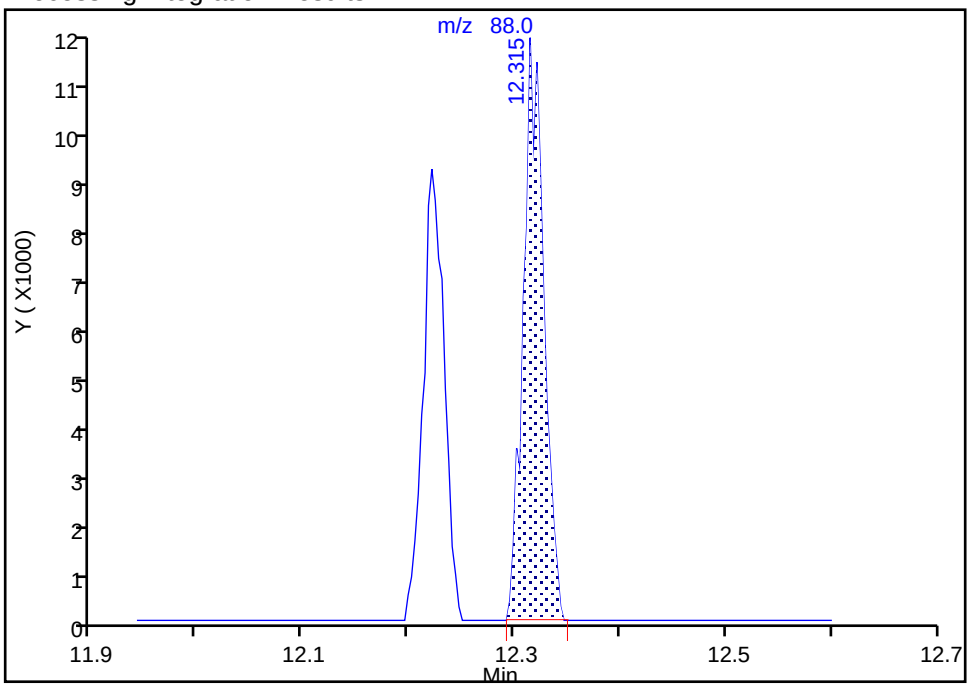
Data File: \\chromfs\Lancaster\ChromData\9137\20240930-126367.b\WS30X02.D
Injection Date: 30-Sep-2024 19:14:30 Instrument ID: 9137
Lims ID: IC sm v4
Client ID:
Operator ID: MCD07824 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9137 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

112 cis-1,4-Dichloro-2-butene, CAS: 1476-11-5

Signal: 1

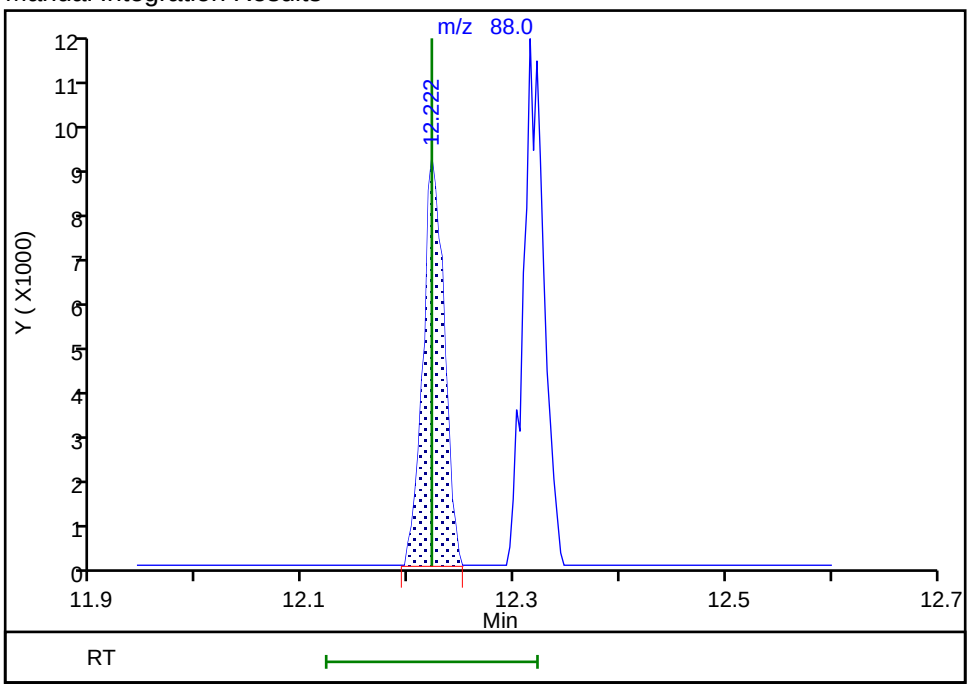
Processing Integration Results

RT: 12.31
Area: 14894
Amount: 5.685273
Amount Units: ug/l



Manual Integration Results

RT: 12.22
Area: 11935
Amount: 3.799936
Amount Units: ug/l



Reviewer: DVW2, 01-Oct-2024 08:23:18 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9137\20240930-126367.b\WS30X03.D
Lims ID: IC sm v10
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 30-Sep-2024 19:35:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0126367-004
Misc. Info.: IC SM V10
Operator ID: MCD07824 Instrument ID: 9137
Sublist: chrom-MSVoa_9137*sub38

Method: \\chromfs\Lancaster\ChromData\9137\20240930-126367.b\MSVoa_9137.m
Limit Group: MSV - 8260C_D
Last Update: 01-Oct-2024 09:08:33 Calib Date: 01-Oct-2024 00:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9137\20240930-126367.b\WS30X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1618

First Level Reviewer: DVW2 Date: 01-Oct-2024 08:23:40

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
4 Chlorotrifluoroethene	116	1.953	1.969	-0.016	92	80427	10.0	9.43	
5 Chlorodifluoromethane	51	2.011	2.021	-0.010	97	138130	10.0	10.4	
10 2-Chloro-1,1,1-Trifluoroethane	118	2.425	2.428	-0.003	47	104892	10.0	9.73	a
16 Ethyl ether	59	3.349	3.349	0.000	90	48051	10.0	10.5	
29 Acetonitrile	41	4.151	4.138	0.013	97	94973	50.0	59.2	
* 32 t-Butyl alcohol-d10 (IS)	65	4.386	4.418	-0.032	32	350820	250.0	250.0	
39 Vinyl acetate	43	5.461	5.464	-0.003	97	126839	10.0	10.4	
46 Ethyl acetate	43	6.327	6.330	-0.003	99	87590	10.0	10.7	
63 Isopropyl acetate	43	7.566	7.572	-0.006	98	156463	10.0	10.6	
* 65 Fluorobenzene (IS)	96	7.890	7.893	-0.003	99	1137487	50.0	50.0	
76 n-Propyl acetate	61	8.868	8.862	0.006	97	35092	10.0	10.4	a
124 2,3,4-Trichlorobutene	109		9.417				ND	ND	
93 3,4-Dichloro-1-butene	75	10.617	10.614	0.003	93	69421	10.0	10.4	
97 n-Butyl acetate	43	10.742	10.739	0.003	98	128821	10.0	10.3	
* 101 Chlorobenzene-d5 (IS)	117	11.323	11.327	-0.004	84	850679	50.0	50.0	
112 cis-1,4-Dichloro-2-butene	88	12.225	12.222	0.003	25	32922	10.0	10.0	a
126 Pentachloroethane	167	12.912	12.915	-0.003	90	31960	10.0	9.44	
* 133 1,4-Dichlorobenzene-d4	152	13.194	13.194	0.000	95	492758	50.0	50.0	

QC Flag Legend

Processing Flags
ND - Not Detected or Marked ND
Review Flags
a - User Assigned ID

Reagents:

MSV_CCV_Penta_00054	Amount Added:	2.00	Units: uL
MSV_CCV_EE_00007	Amount Added:	2.00	Units: uL
MSV_CCV_V5ACE_00040	Amount Added:	2.00	Units: uL
MSV_Cent_ISO_00005	Amount Added:	5.00	Units: uL
MSV_CCV_LKB_00011	Amount Added:	2.00	Units: uL
MSV_V_SMFreon_00050	Amount Added:	1.00	Units: uL

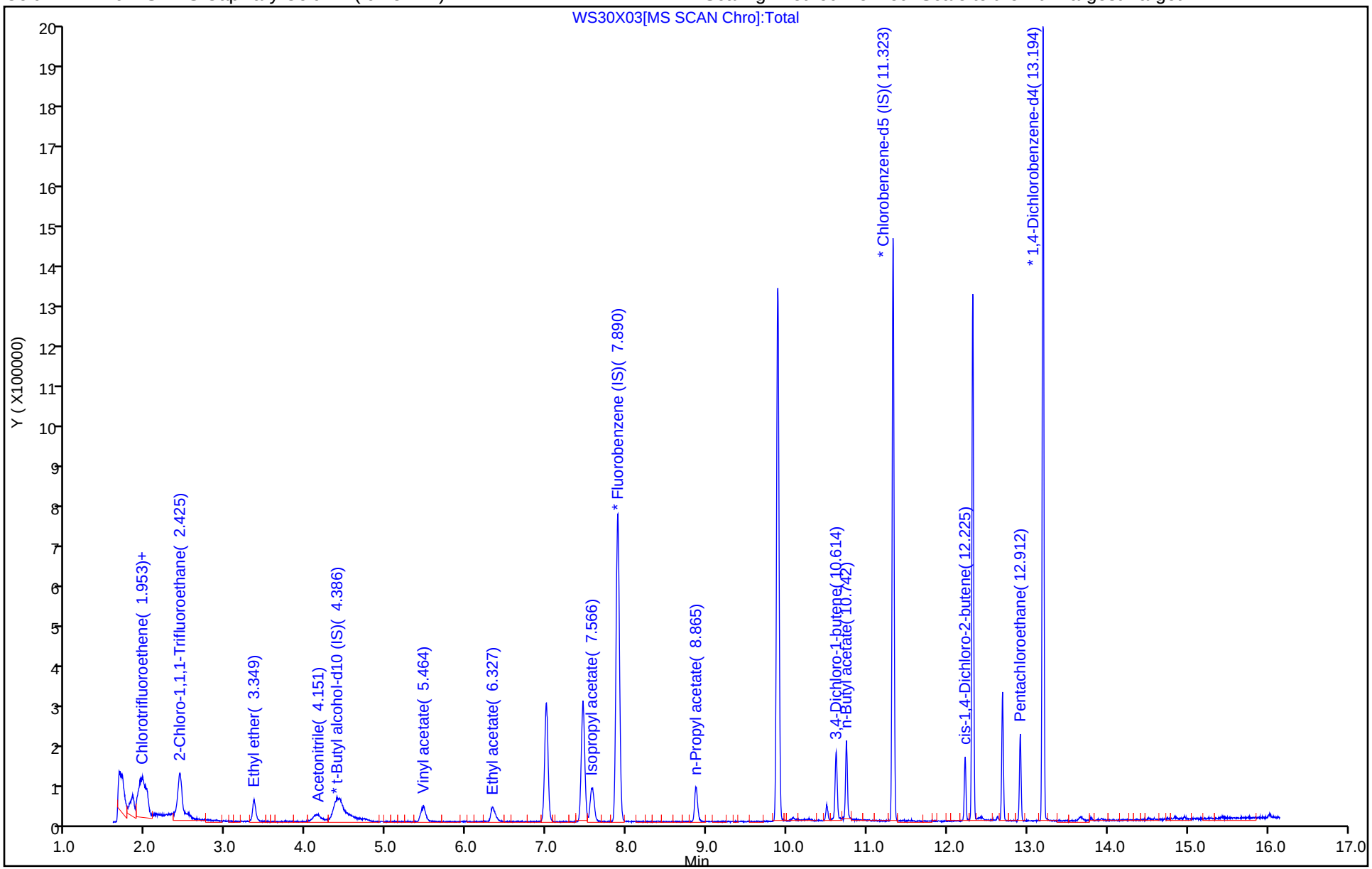
Report Date: 01-Oct-2024 09:08:34 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9137\20240930-126367.b\WS30X03.D

Injection Date:	30-Sep-2024 19:35:30	Instrument ID:	9137	Operator ID:	MCD07824
Lims ID:	IC sm v10			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	MSVoa_9137	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

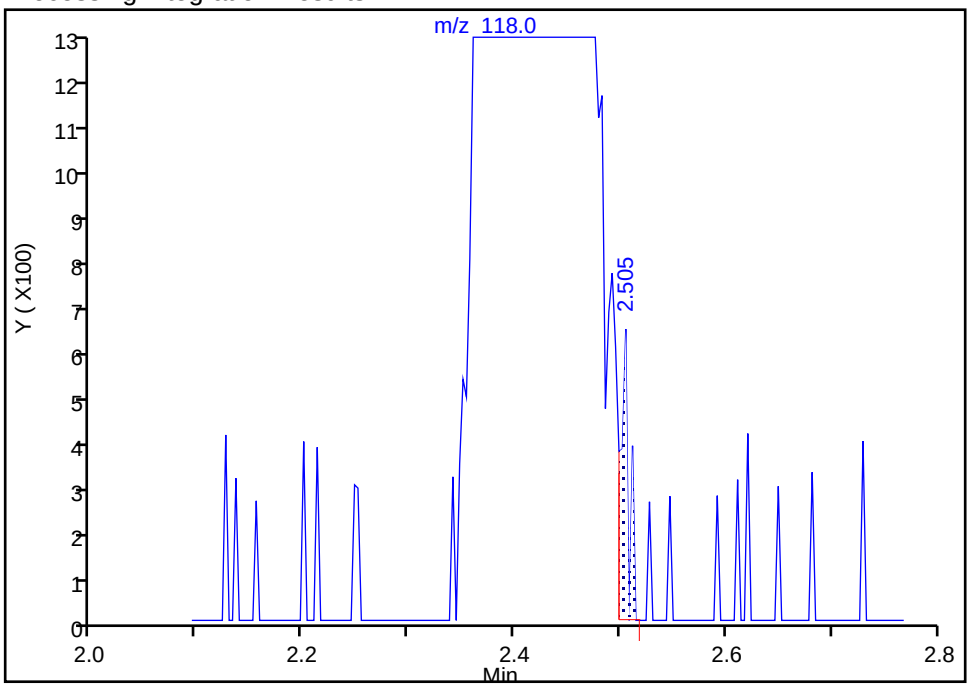
Data File: \\chromfs\Lancaster\ChromData\9137\20240930-126367.b\WS30X03.D
Injection Date: 30-Sep-2024 19:35:30 Instrument ID: 9137
Lims ID: IC sm v10
Client ID:
Operator ID: MCD07824 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9137 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

10 2-Chloro-1,1,1-Trifluoroethane, CAS: 75-88-7

Signal: 1

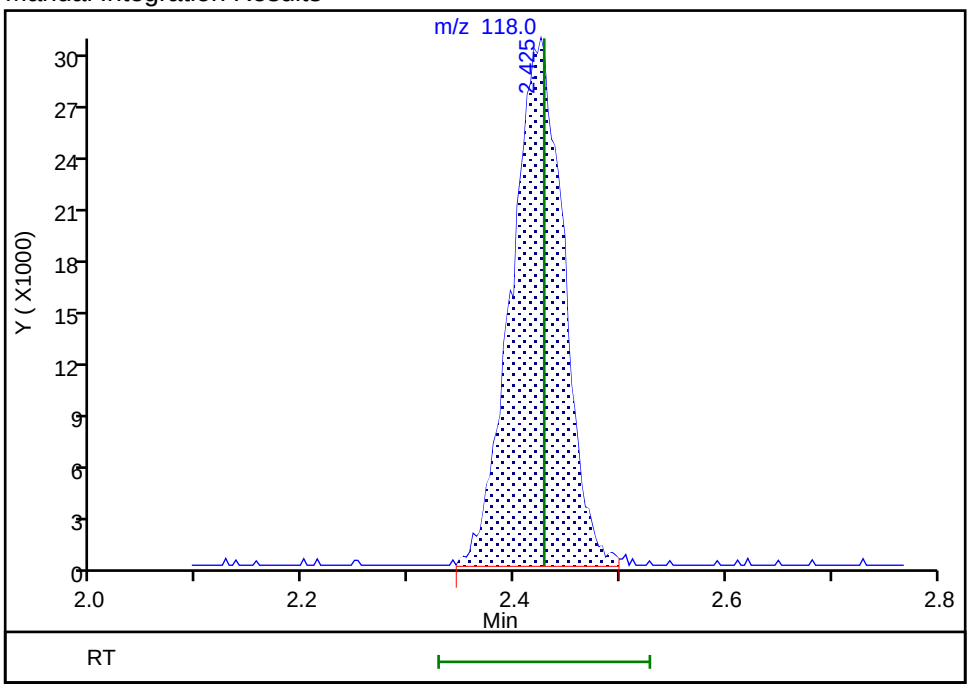
Processing Integration Results

RT: 2.51
Area: 330
Amount: 0.036525
Amount Units: ug/l



Manual Integration Results

RT: 2.42
Area: 104892
Amount: 9.732438
Amount Units: ug/l



Reviewer: DVW2, 01-Oct-2024 08:23:30 -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

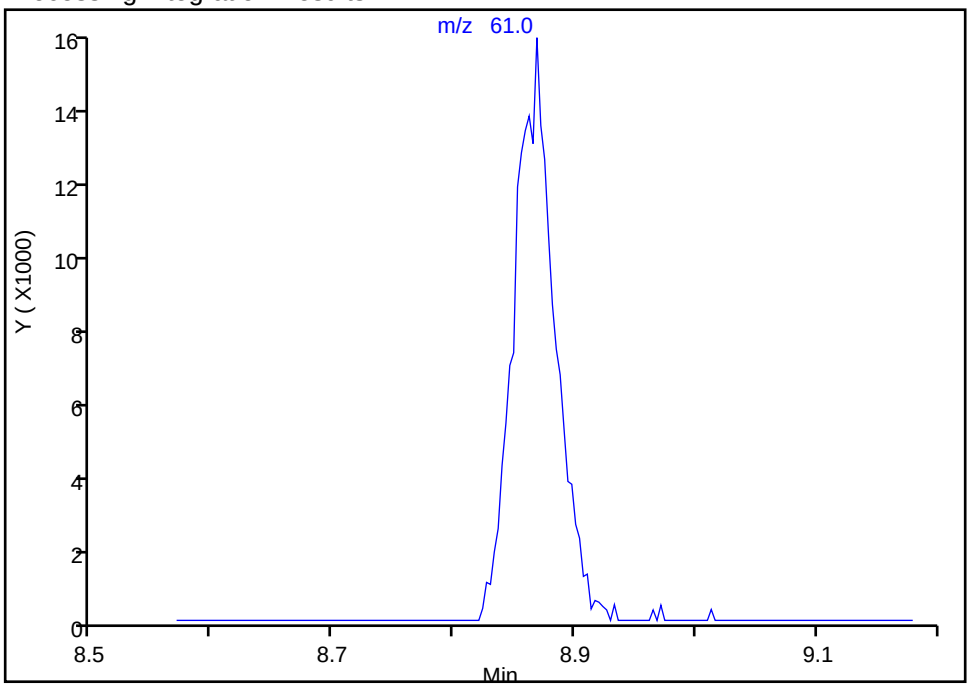
Data File:	\\chromfs\Lancaster\ChromData\9137\20240930-126367.b\WS30X03.D				
Injection Date:	30-Sep-2024 19:35:30	Instrument ID:	9137		
Lims ID:	IC sm v10				
Client ID:					
Operator ID:	MCD07824	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9137	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

76 n-Propyl acetate, CAS: 109-60-4

Signal: 1

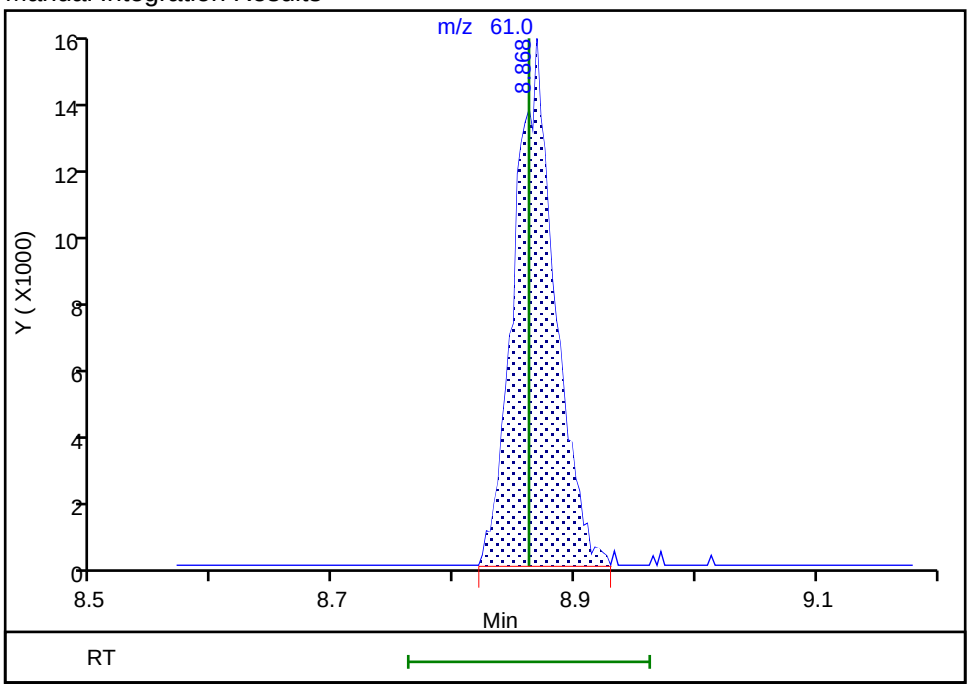
Not Detected
Expected RT: 8.86

Processing Integration Results



Manual Integration Results

RT: 8.87
Area: 35092
Amount: 10.388997
Amount Units: ug/l



Reviewer: DVW2, 01-Oct-2024 09:05:09 -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

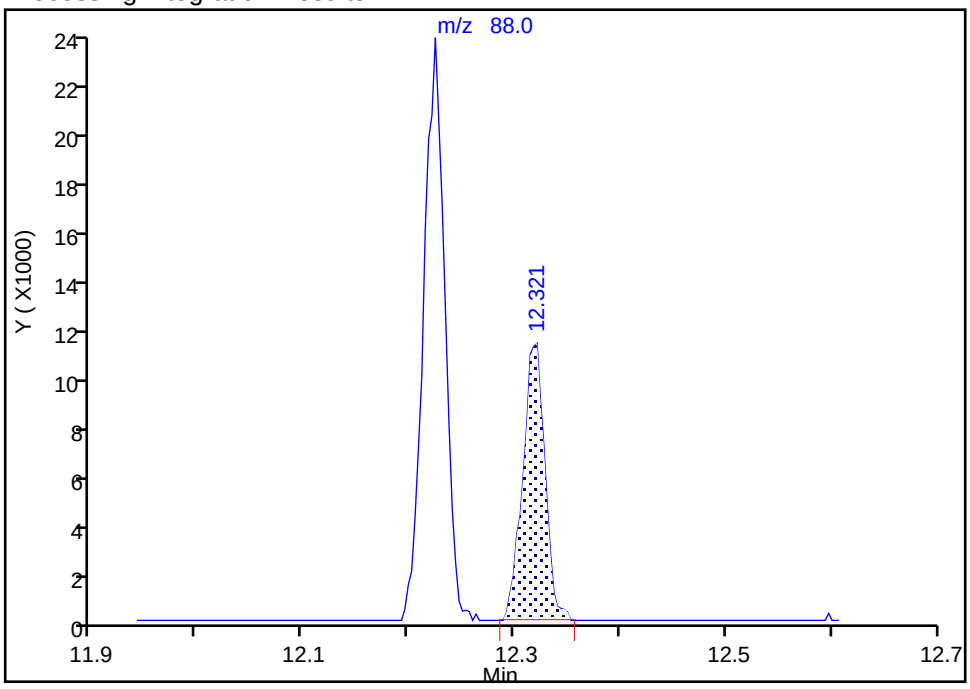
Data File:	\\chromfs\Lancaster\ChromData\9137\20240930-126367.b\WS30X03.D				
Injection Date:	30-Sep-2024 19:35:30	Instrument ID:	9137		
Lims ID:	IC sm v10				
Client ID:					
Operator ID:	MCD07824	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9137	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

112 cis-1,4-Dichloro-2-butene, CAS: 1476-11-5

Signal: 1

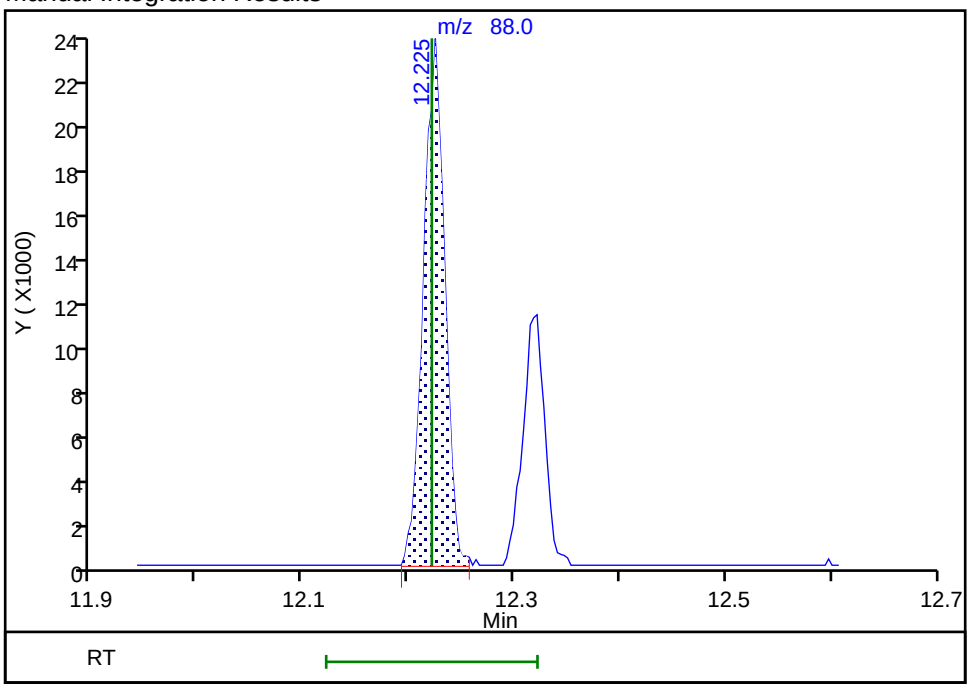
Processing Integration Results

RT: 12.32
Area: 16300
Amount: 6.244050
Amount Units: ug/l



Manual Integration Results

RT: 12.22
Area: 32922
Amount: 10.023987
Amount Units: ug/l



Reviewer: DVW2, 01-Oct-2024 08:23:37 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9137\20240930-126367.b\WS30X04.D
Lims ID: IC sm v20
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 30-Sep-2024 19:57:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0126367-005
Misc. Info.: IC SM V20
Operator ID: MCD07824 Instrument ID: 9137
Sublist: chrom-MSVoa_9137*sub38

Method: \\chromfs\Lancaster\ChromData\9137\20240930-126367.b\MSVoa_9137.m
Limit Group: MSV - 8260C_D
Last Update: 01-Oct-2024 09:08:36 Calib Date: 01-Oct-2024 00:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9137\20240930-126367.b\WS30X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1618

First Level Reviewer: DVW2 Date: 01-Oct-2024 08:23:59

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
4 Chlorotrifluoroethene	116	1.966	1.969	-0.003	91	179140	20.0	22.2	
5 Chlorodifluoromethane	51	2.011	2.021	-0.010	97	283045	20.0	22.0	
10 2-Chloro-1,1,1-Trifluoroethane	118	2.428	2.428	0.000	34	223236	20.0	21.9	
16 Ethyl ether	59	3.349	3.349	0.000	90	91388	20.0	21.2	
29 Acetonitrile	41	4.158	4.138	0.020	98	159902	100.0	103.1	
* 32 t-Butyl alcohol-d10 (IS)	65	4.418	4.418	0.000	9	339486	250.0	250.0	
39 Vinyl acetate	43	5.461	5.464	-0.003	97	240903	20.0	20.8	
46 Ethyl acetate	43	6.330	6.330	0.000	99	160571	20.0	20.8	
63 Isopropyl acetate	43	7.566	7.572	-0.006	98	285995	20.0	20.5	
* 65 Fluorobenzene (IS)	96	7.890	7.893	-0.003	99	1074959	50.0	50.0	
76 n-Propyl acetate	61	8.869	8.862	0.006	99	66651	20.0	20.9	a
124 2,3,4-Trichlorobutene	109		9.417				ND	ND	
93 3,4-Dichloro-1-butene	75	10.611	10.614	-0.003	93	126570	20.0	20.2	
97 n-Butyl acetate	43	10.743	10.739	0.003	98	244698	20.0	20.8	
* 101 Chlorobenzene-d5 (IS)	117	11.327	11.327	0.000	84	797492	50.0	50.0	
112 cis-1,4-Dichloro-2-butene	88	12.225	12.222	0.003	25	60419	20.0	19.6	a
126 Pentachloroethane	167	12.915	12.915	0.000	91	64505	20.0	20.2	
* 133 1,4-Dichlorobenzene-d4	152	13.197	13.194	0.003	95	464348	50.0	50.0	

QC Flag Legend

Processing Flags
ND - Not Detected or Marked ND
Review Flags
a - User Assigned ID

Reagents:

MSV_CCV_Penta_00054	Amount Added:	4.00	Units: uL
MSV_CCV_EE_00007	Amount Added:	4.00	Units: uL
MSV_CCV_V5ACE_00040	Amount Added:	4.00	Units: uL
MSV_Cent_ISO_00005	Amount Added:	5.00	Units: uL
MSV_CCV_LKB_00011	Amount Added:	4.00	Units: uL
MSV_V_SMFreon_00050	Amount Added:	2.00	Units: uL

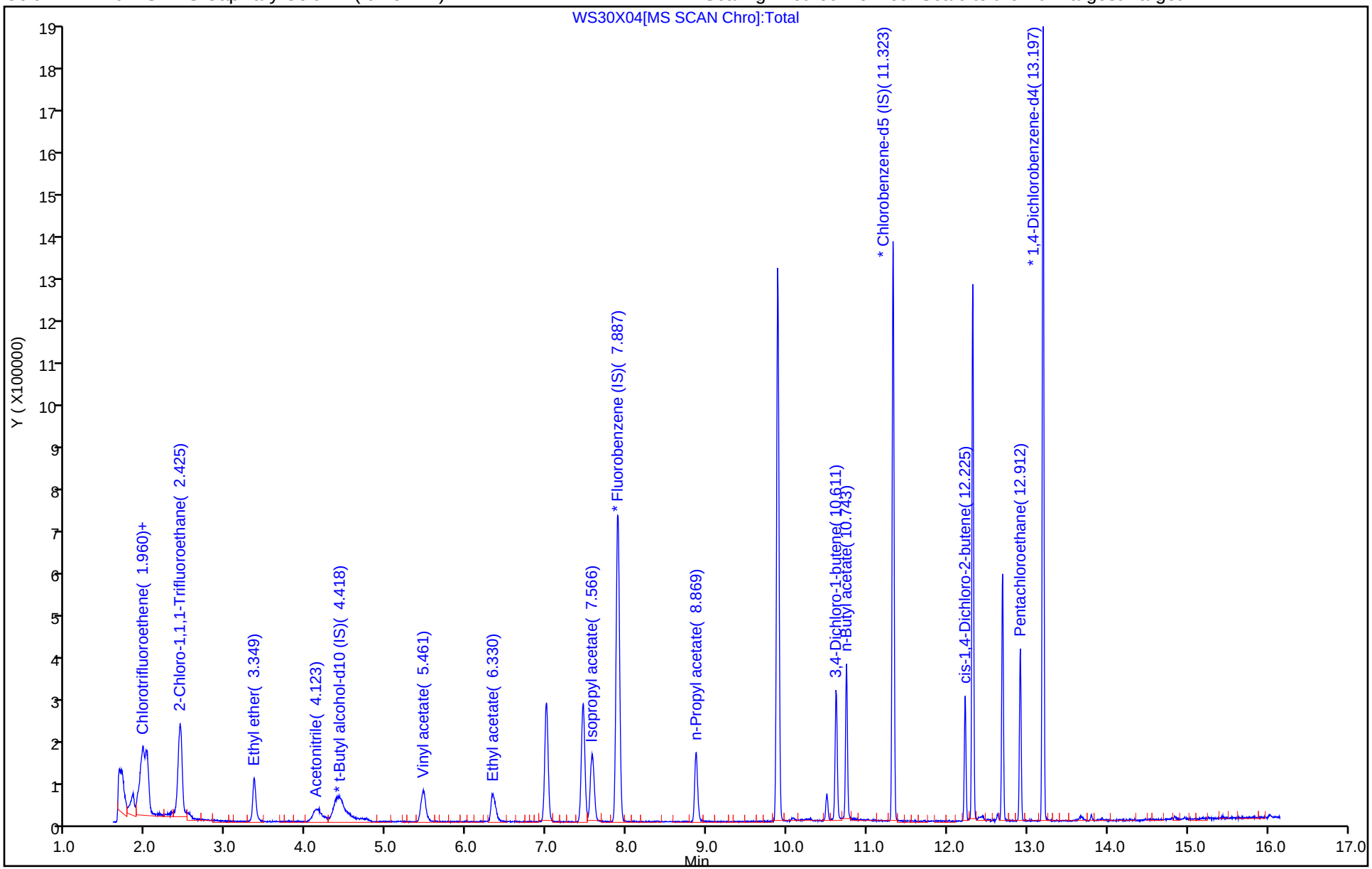
Report Date: 01-Oct-2024 09:08:36 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9137\20240930-126367.b\WS30X04.D

Injection Date:	30-Sep-2024 19:57:30	Instrument ID:	9137	Operator ID:	MCD07824
Lims ID:	IC sm v20			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	MSVoa_9137	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

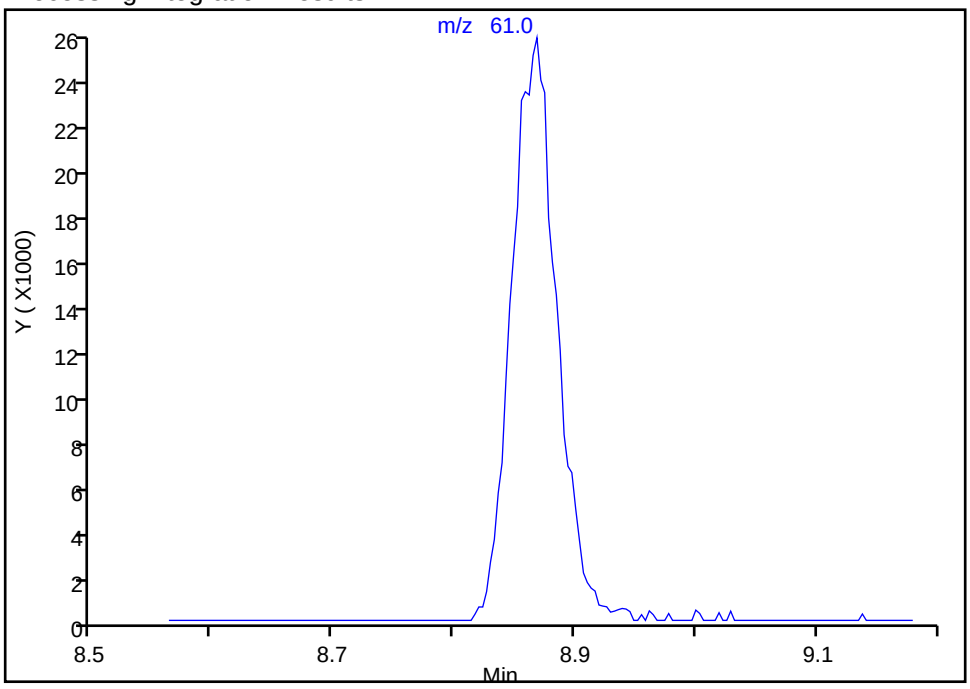
Data File:	\\chromfs\Lancaster\ChromData\9137\20240930-126367.b\WS30X04.D				
Injection Date:	30-Sep-2024 19:57:30	Instrument ID:	9137		
Lims ID:	IC sm v20				
Client ID:					
Operator ID:	MCD07824	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9137	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

76 n-Propyl acetate, CAS: 109-60-4

Signal: 1

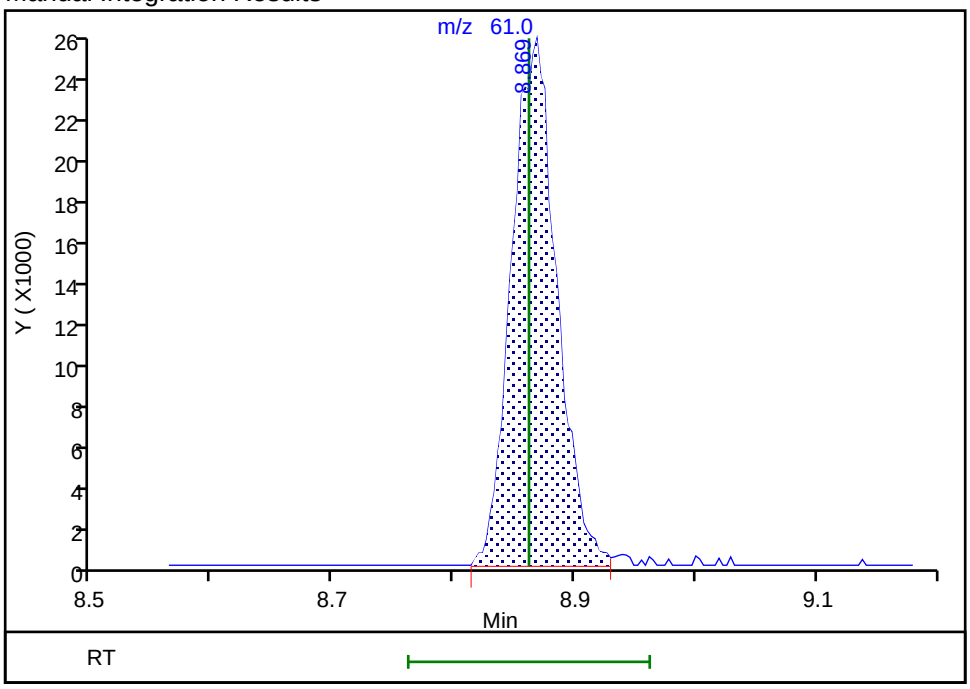
Not Detected
Expected RT: 8.86

Processing Integration Results



Manual Integration Results

RT: 8.87
Area: 66651
Amount: 20.879817
Amount Units: ug/l



Reviewer: DVW2, 01-Oct-2024 09:05:04 -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

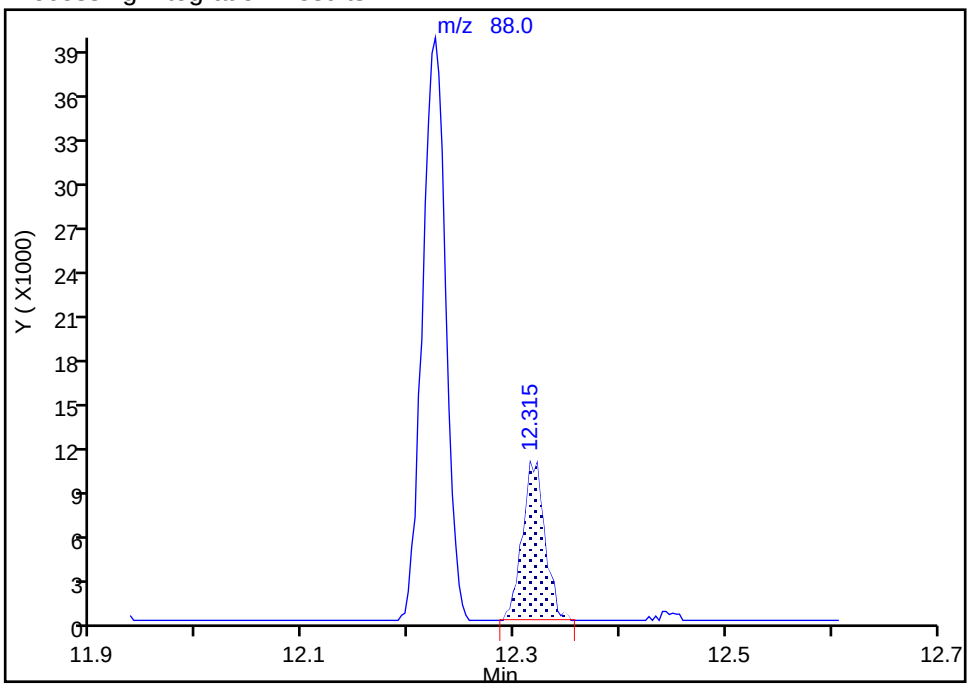
Data File: \\chromfs\Lancaster\ChromData\9137\20240930-126367.b\WS30X04.D
Injection Date: 30-Sep-2024 19:57:30 Instrument ID: 9137
Lims ID: IC sm v20
Client ID:
Operator ID: MCD07824 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9137 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

112 cis-1,4-Dichloro-2-butene, CAS: 1476-11-5

Signal: 1

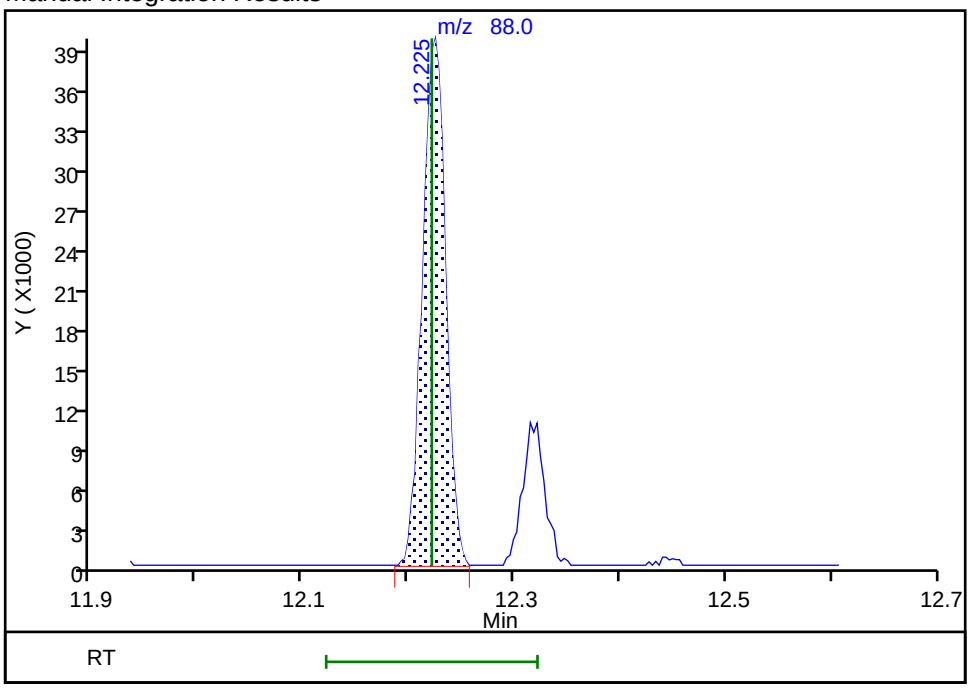
Processing Integration Results

RT: 12.31
Area: 15790
Amount: 5.832988
Amount Units: ug/l



Manual Integration Results

RT: 12.23
Area: 60419
Amount: 19.623082
Amount Units: ug/l



Reviewer: DVW2, 01-Oct-2024 08:23:52 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9137\20240930-126367.b\WS30X05.D
Lims ID: IC sm v50
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 30-Sep-2024 20:19:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0126367-006
Misc. Info.: IC SM V50
Operator ID: MCD07824 Instrument ID: 9137
Sublist: chrom-MSVoa_9137*sub38

Method: \\chromfs\Lancaster\ChromData\9137\20240930-126367.b\MSVoa_9137.m
Limit Group: MSV - 8260C_D
Last Update: 01-Oct-2024 09:08:39 Calib Date: 01-Oct-2024 00:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9137\20240930-126367.b\WS30X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1618

First Level Reviewer: DVW2 Date: 01-Oct-2024 08:21:57

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
4 Chlorotrifluoroethene	116	1.969	1.969	0.000	93	445487	50.0	52.8	
5 Chlorodifluoromethane	51	2.021	2.021	0.000	98	677402	50.0	50.5	
10 2-Chloro-1,1,1-Trifluoroethane	118	2.428	2.428	0.000	93	536092	50.0	50.2	
16 Ethyl ether	59	3.349	3.349	0.000	91	223088	50.0	49.3	
29 Acetonitrile	41	4.138	4.138	0.000	99	376064	250.0	232.7	
* 32 t-Butyl alcohol-d10 (IS)	65	4.411	4.411	0.000	14	353675	250.0	250.0	
39 Vinyl acetate	43	5.464	5.464	0.000	97	582418	50.0	48.1	
46 Ethyl acetate	43	6.330	6.330	0.000	98	383721	50.0	47.5	
63 Isopropyl acetate	43	7.572	7.572	0.000	98	703123	50.0	48.1	
* 65 Fluorobenzene (IS)	96	7.886	7.886	0.000	100	1126462	50.0	50.0	
76 n-Propyl acetate	61	8.862	8.862	0.000	98	159354	50.0	47.6	a
124 2,3,4-Trichlorobutene	109		9.417				ND	ND	
93 3,4-Dichloro-1-butene	75	10.614	10.614	0.000	93	321679	50.0	48.6	
97 n-Butyl acetate	43	10.739	10.739	0.000	98	602460	50.0	48.4	
* 101 Chlorobenzene-d5 (IS)	117	11.326	11.326	0.000	84	843020	50.0	50.0	
112 cis-1,4-Dichloro-2-butene	88	12.222	12.222	0.000	25	160286	50.0	49.2	a
126 Pentachloroethane	167	12.915	12.915	0.000	93	170398	50.0	51.1	
* 133 1,4-Dichlorobenzene-d4	152	13.197	13.197	0.000	95	485587	50.0	50.0	

QC Flag Legend

Processing Flags
ND - Not Detected or Marked ND
Review Flags
a - User Assigned ID

Reagents:

MSV_CCV_Penta_00054	Amount Added:	5.00	Units: uL
MSV_CCV_EE_00007	Amount Added:	5.00	Units: uL
MSV_CCV_V5ACE_00040	Amount Added:	5.00	Units: uL
MSV_Cent_ISO_00005	Amount Added:	5.00	Units: uL
MSV_CCV_LKB_00011	Amount Added:	5.00	Units: uL
MSV_V_SMFreon_00050	Amount Added:	2.50	Units: uL

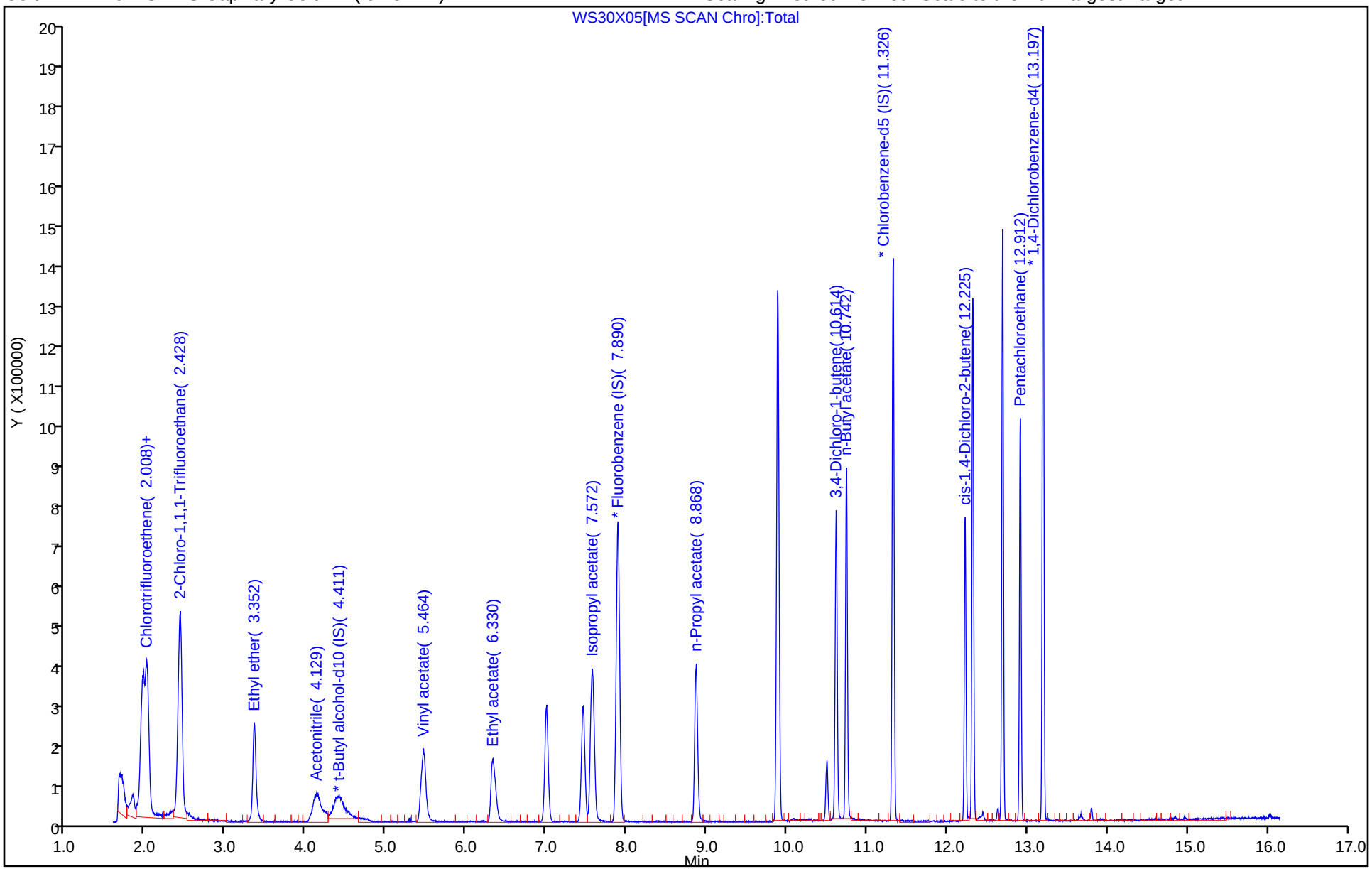
Report Date: 01-Oct-2024 09:08:39 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9137\20240930-126367.b\WS30X05.D

Injection Date:	30-Sep-2024 20:19:30	Instrument ID:	9137	Operator ID:	MCD07824
Lims ID:	IC sm v50			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	MSVoa_9137	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

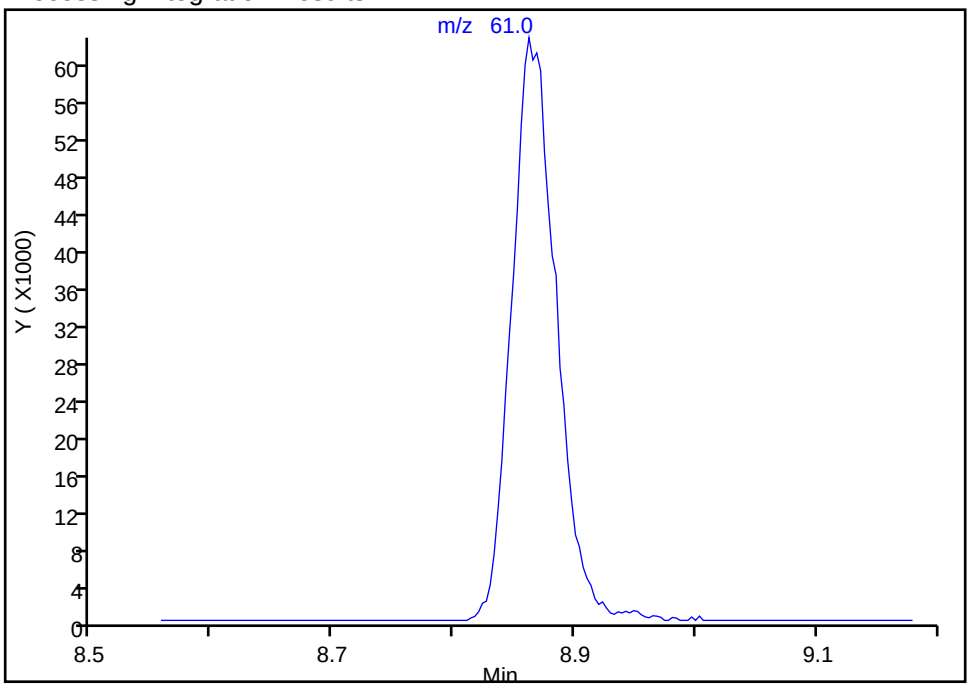
Data File:	\\chromfs\Lancaster\ChromData\9137\20240930-126367.b\WS30X05.D				
Injection Date:	30-Sep-2024 20:19:30	Instrument ID:	9137		
Lims ID:	IC sm v50				
Client ID:					
Operator ID:	MCD07824	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9137	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

76 n-Propyl acetate, CAS: 109-60-4

Signal: 1

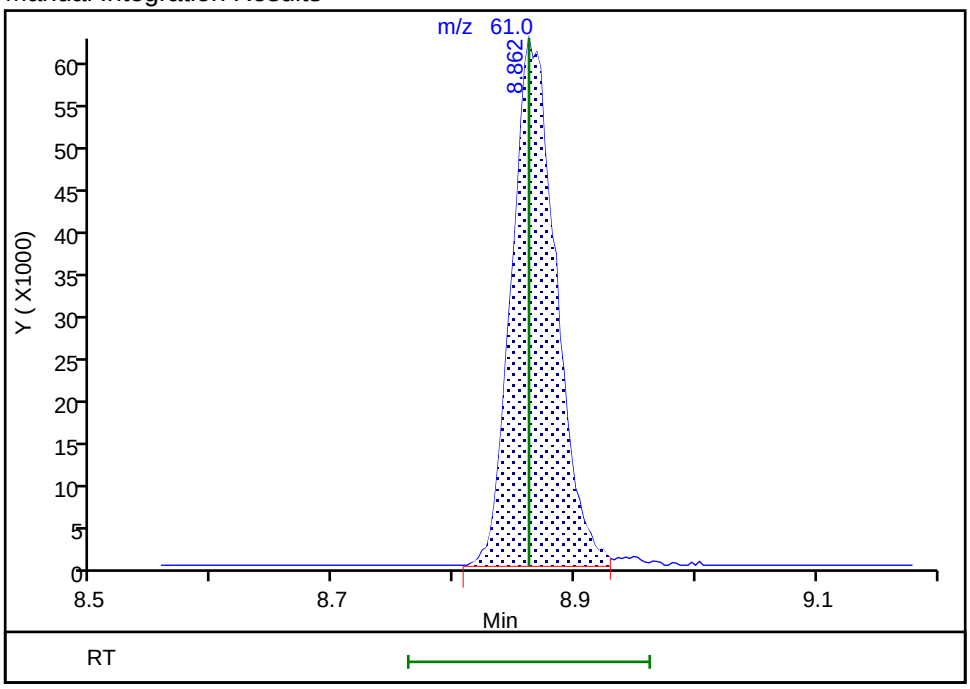
Not Detected
Expected RT: 8.86

Processing Integration Results



Manual Integration Results

RT: 8.86
Area: 159354
Amount: 47.638530
Amount Units: ug/l



Reviewer: DVW2, 01-Oct-2024 08:43:42 -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

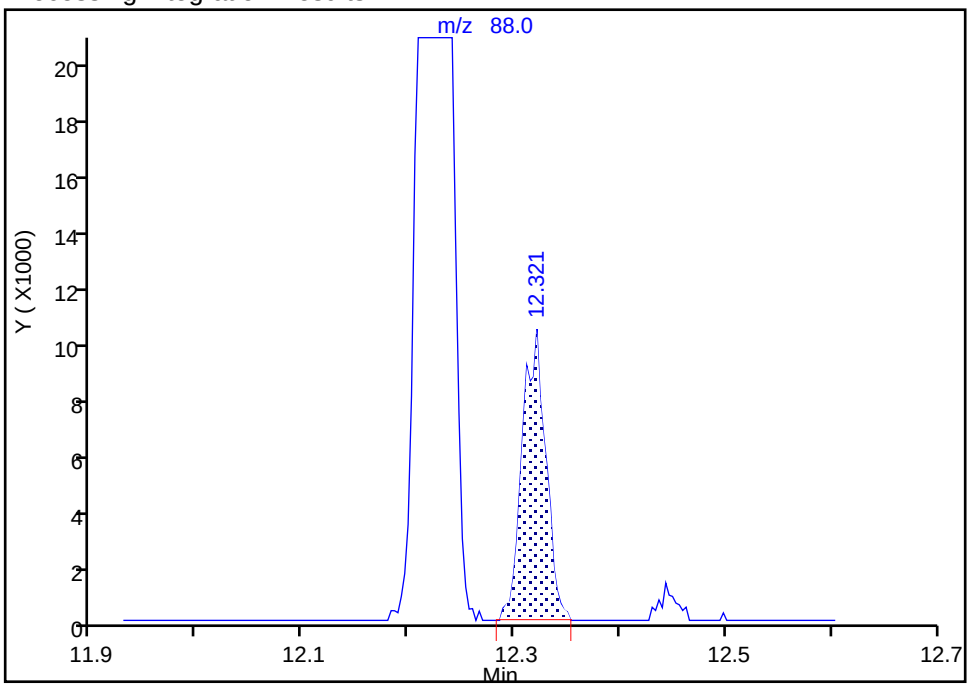
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Injection Date: 30-Sep-2024 20:19:30 Instrument ID: 9137
Lims ID: IC sm v50
Client ID:
Operator ID: MCD07824 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9137 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

112 cis-1,4-Dichloro-2-butene, CAS: 1476-11-5

Signal: 1

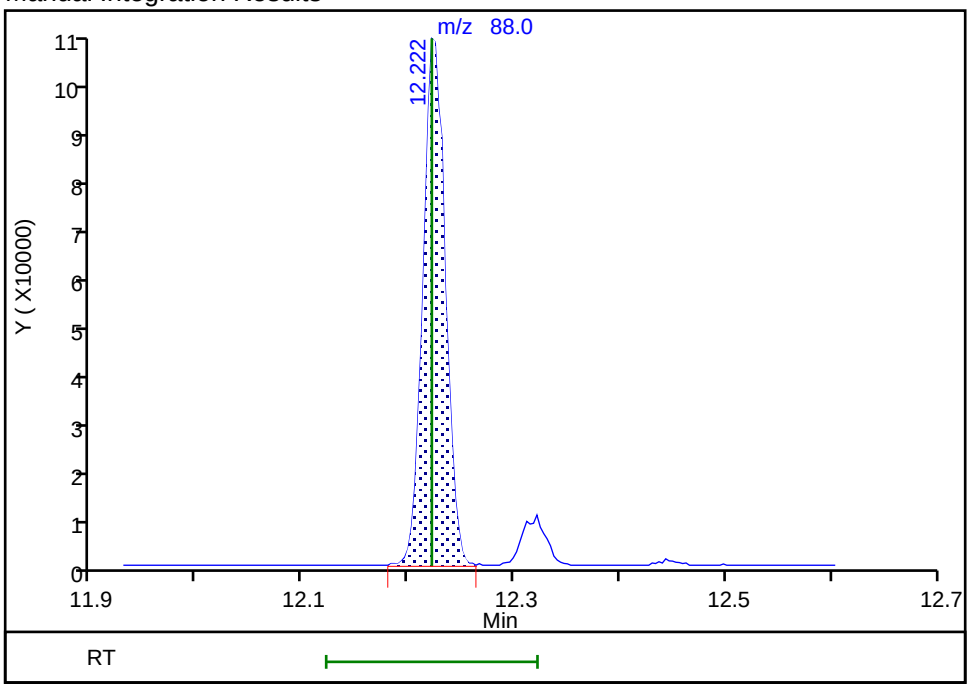
Processing Integration Results

RT: 12.32
Area: 16019
Amount: 9.653904
Amount Units: ug/l



Manual Integration Results

RT: 12.22
Area: 160286
Amount: 49.246767
Amount Units: ug/l



Reviewer: DVW2, 01-Oct-2024 08:22:27 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9137\20240930-126367.b\WS30X06.D
Lims ID: IC sm v100
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 30-Sep-2024 20:41:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0126367-007
Misc. Info.: IC SM V100
Operator ID: MCD07824 Instrument ID: 9137
Sublist: chrom-MSVoa_9137*sub38

Method: \\chromfs\Lancaster\ChromData\9137\20240930-126367.b\MSVoa_9137.m
Limit Group: MSV - 8260C_D
Last Update: 01-Oct-2024 09:08:43 Calib Date: 01-Oct-2024 00:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9137\20240930-126367.b\WS30X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1618

First Level Reviewer: DVW2 Date: 01-Oct-2024 08:22:22

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
4 Chlorotrifluoroethene	116	1.960	1.969	-0.009	94	845673	100.0	100.5	
5 Chlorodifluoromethane	51	2.017	2.021	-0.004	98	1272740	100.0	91.4	
10 2-Chloro-1,1,1-Trifluoroethane	118	2.428	2.428	0.000	44	1034779	100.0	97.3	
16 Ethyl ether	59	3.349	3.349	0.000	90	443254	100.0	98.3	
29 Acetonitrile	41	4.129	4.138	-0.009	98	736543	500.0	439.6	
* 32 t-Butyl alcohol-d10 (IS)	65	4.398	4.411	-0.013	17	366680	250.0	250.0	
39 Vinyl acetate	43	5.467	5.464	0.003	97	1129668	100.0	93.6	
46 Ethyl acetate	43	6.327	6.330	-0.003	99	766705	100.0	95.2	
63 Isopropyl acetate	43	7.569	7.572	-0.003	98	1399635	100.0	96.0	
* 65 Fluorobenzene (IS)	96	7.886	7.886	0.000	99	1122791	50.0	50.0	
76 n-Propyl acetate	61	8.865	8.862	0.003	98	322796	100.0	96.8	a
124 2,3,4-Trichlorobutene	109		9.417				ND	ND	
93 3,4-Dichloro-1-butene	75	10.614	10.614	0.000	94	643973	100.0	98.0	
97 n-Butyl acetate	43	10.742	10.739	0.003	98	1186802	100.0	95.9	
* 101 Chlorobenzene-d5 (IS)	117	11.323	11.326	-0.003	91	837898	50.0	50.0	
112 cis-1,4-Dichloro-2-butene	88	12.225	12.222	0.003	29	324595	100.0	100.3	a
126 Pentachloroethane	167	12.912	12.915	-0.003	93	330493	100.0	98.7	
* 133 1,4-Dichlorobenzene-d4	152	13.197	13.197	0.000	95	487531	50.0	50.0	

QC Flag Legend

Processing Flags
ND - Not Detected or Marked ND
Review Flags
a - User Assigned ID

Reagents:

MSV_CCV_Penta_00054	Amount Added:	5.00	Units: uL
MSV_CCV_EE_00007	Amount Added:	5.00	Units: uL
MSV_CCV_V5ACE_00040	Amount Added:	5.00	Units: uL
MSV_Cent_ISO_00005	Amount Added:	5.00	Units: uL
MSV_CCV_LKB_00011	Amount Added:	5.00	Units: uL
MSV_V_SMFreon_00050	Amount Added:	2.50	Units: uL

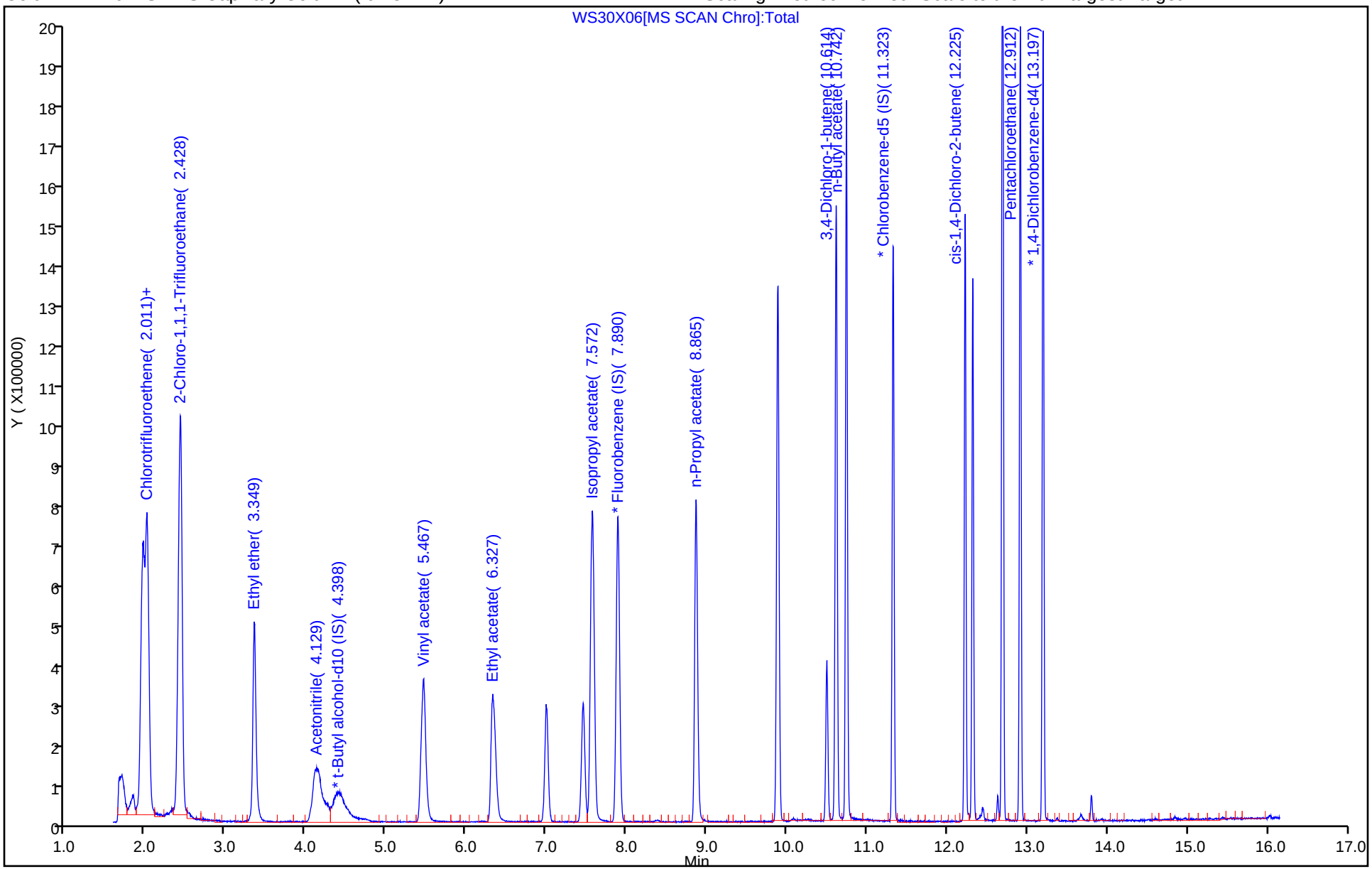
Report Date: 01-Oct-2024 09:08:43 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9137\20240930-126367.b\WS30X06.D

Injection Date:	30-Sep-2024 20:41:30	Instrument ID:	9137	Operator ID:	MCD07824
Lims ID:	IC sm v100			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	MSVoa_9137	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

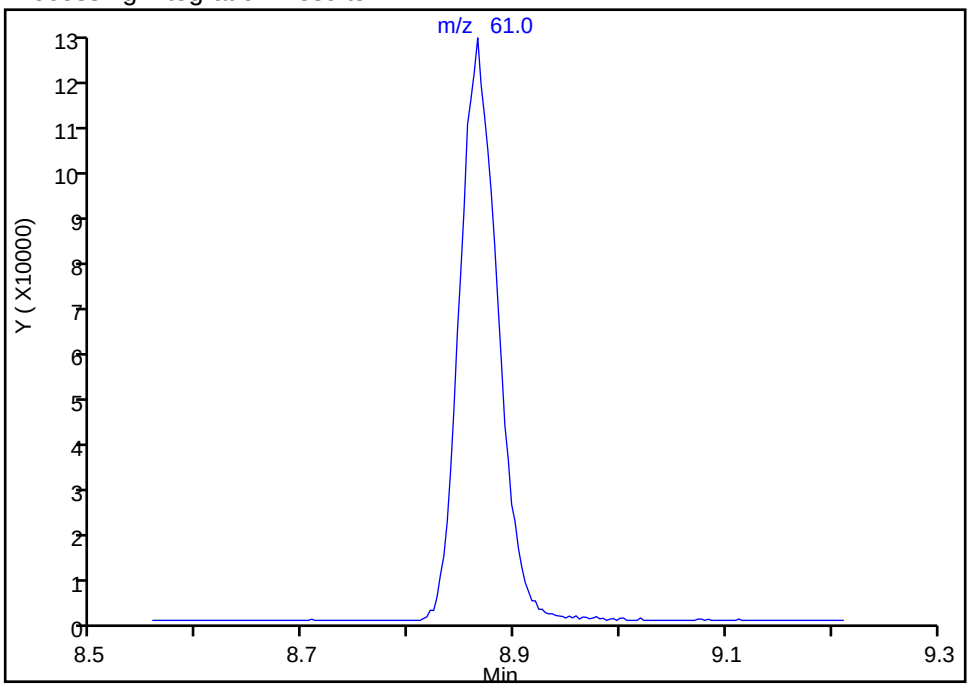
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Injection Date: 30-Sep-2024 20:41:30 Instrument ID: 9137
Lims ID: IC sm v100
Client ID:
Operator ID: MCD07824 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9137 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

76 n-Propyl acetate, CAS: 109-60-4

Signal: 1

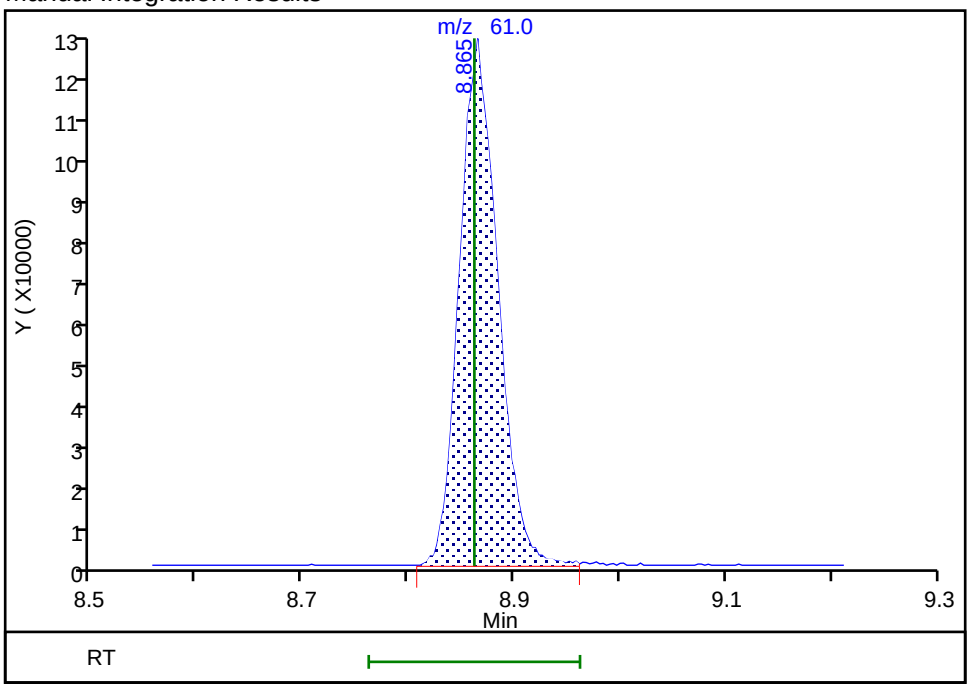
Not Detected
Expected RT: 8.86

Processing Integration Results



Manual Integration Results

RT: 8.87
Area: 322796
Amount: 96.814665
Amount Units: ug/l



Reviewer: DVW2, 01-Oct-2024 09:05:27 -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

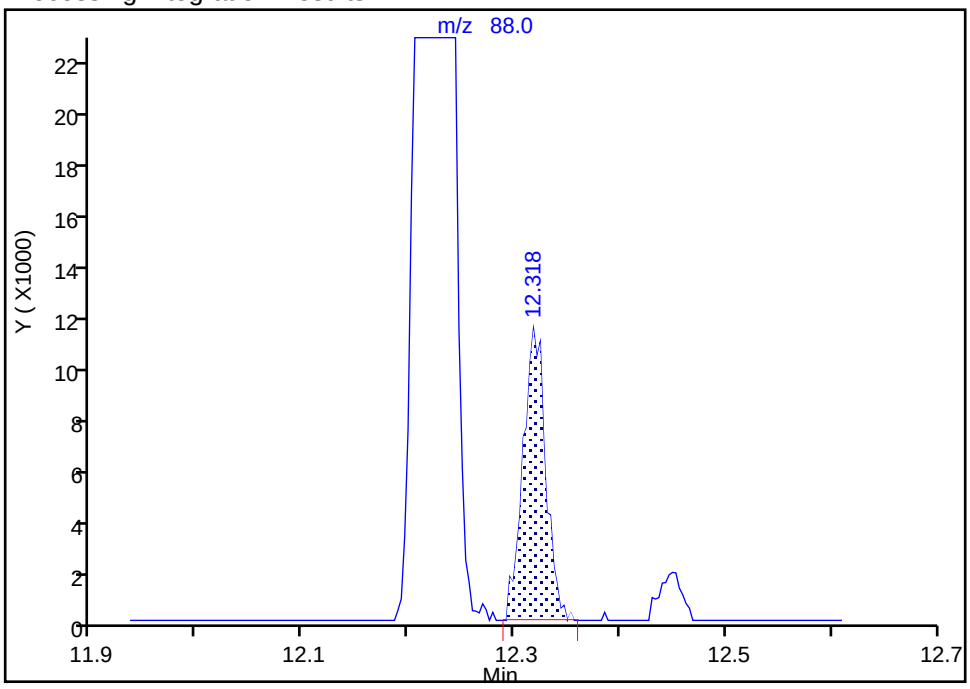
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Injection Date: 30-Sep-2024 20:41:30 Instrument ID: 9137
Lims ID: IC sm v100
Client ID:
Operator ID: MCD07824 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9137 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

112 cis-1,4-Dichloro-2-butene, CAS: 1476-11-5

Signal: 1

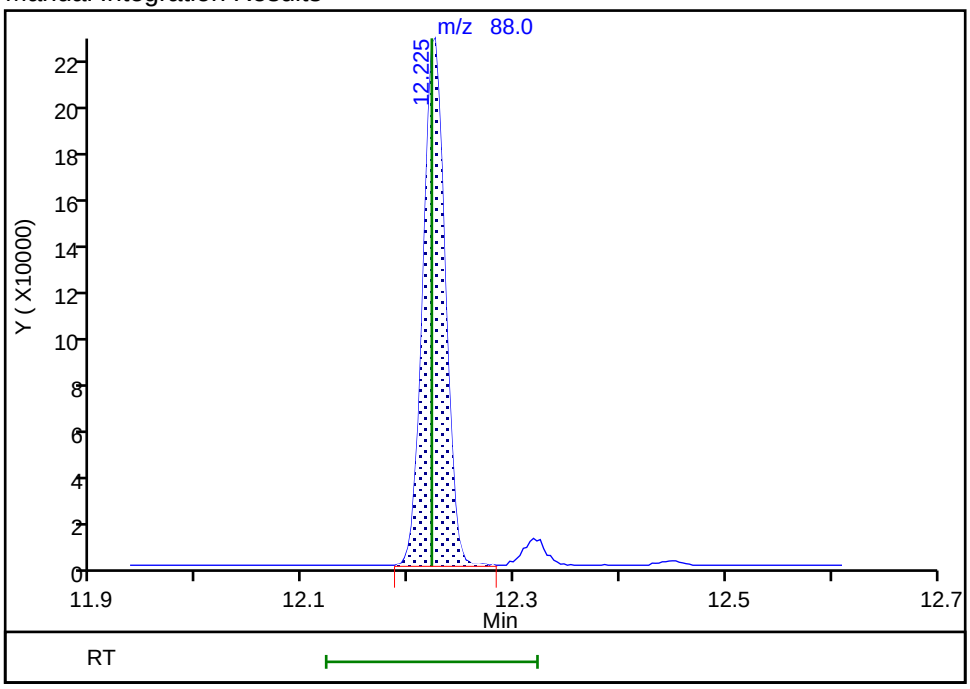
Processing Integration Results

RT: 12.32
Area: 16896
Amount: 14.868713
Amount Units: ug/l



Manual Integration Results

RT: 12.22
Area: 324595
Amount: 100.3392
Amount Units: ug/l



Reviewer: DVW2, 01-Oct-2024 08:22:17 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9137\20240930-126367.b\WS30X07.D
Lims ID: IC sm v300
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 30-Sep-2024 21:03:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0126367-008
Misc. Info.: IC SM V300
Operator ID: MCD07824 Instrument ID: 9137
Sublist: chrom-MSVoa_9137*sub38

Method: \\chromfs\Lancaster\ChromData\9137\20240930-126367.b\MSVoa_9137.m
Limit Group: MSV - 8260C_D
Last Update: 01-Oct-2024 09:08:46 Calib Date: 01-Oct-2024 00:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9137\20240930-126367.b\WS30X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1618

First Level Reviewer: DVW2 Date: 01-Oct-2024 08:22:47

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
4 Chlorotrifluoroethene	116	1.966	1.969	-0.003	94	2302939	300.0	279.4	
5 Chlorodifluoromethane	51	2.017	2.021	-0.004	98	3458282	300.0	250.7	
10 2-Chloro-1,1,1-Trifluoroethane	118	2.431	2.428	0.003	96	2826770	300.0	271.4	
16 Ethyl ether	59	3.356	3.349	0.007	90	1258010	300.0	285.0	
29 Acetonitrile	41	4.126	4.138	-0.012	100	2192072	1500.0	1319.8	
* 32 t-Butyl alcohol-d10 (IS)	65	4.424	4.411	0.013	58	363486	250.0	250.0	
39 Vinyl acetate	43	5.464	5.464	0.000	97	3329814	300.0	281.8	
46 Ethyl acetate	43	6.330	6.330	0.000	99	2257577	300.0	286.4	
63 Isopropyl acetate	43	7.575	7.572	0.003	98	4084511	300.0	286.2	
* 65 Fluorobenzene (IS)	96	7.890	7.886	0.004	99	1099347	50.0	50.0	
76 n-Propyl acetate	61	8.865	8.862	0.003	98	963930	300.0	295.3	a
124 2,3,4-Trichlorobutene	109		9.417				ND	ND	
93 3,4-Dichloro-1-butene	75	10.614	10.614	0.000	94	1967963	300.0	305.1	
97 n-Butyl acetate	43	10.742	10.739	0.003	99	3525005	300.0	290.3	
* 101 Chlorobenzene-d5 (IS)	117	11.323	11.326	-0.003	84	822381	50.0	50.0	
112 cis-1,4-Dichloro-2-butene	88	12.225	12.222	0.003	29	1026171	300.0	323.2	a
126 Pentachloroethane	167	12.912	12.915	-0.003	95	1019173	300.0	316.3	
* 133 1,4-Dichlorobenzene-d4	152	13.197	13.197	0.000	95	469148	50.0	50.0	

QC Flag Legend

Processing Flags
ND - Not Detected or Marked ND
Review Flags
a - User Assigned ID

Reagents:

MSV_CCV_Penta_00054	Amount Added:	15.00	Units: uL
MSV_CCV_EE_00007	Amount Added:	15.00	Units: uL
MSV_CCV_V5ACE_00040	Amount Added:	15.00	Units: uL
MSV_Cent_ISO_00005	Amount Added:	5.00	Units: uL
MSV_V_SMFreon_00050	Amount Added:	7.50	Units: uL
MSV_CCV_LKB_00011	Amount Added:	15.00	Units: uL

Report Date: 01-Oct-2024 09:08:46 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9137\20240930-126367.b\WS30X07.D

Injection Date: 30-Sep-2024 21:03:30 Instrument ID: 9137 Operator ID: MCD07824

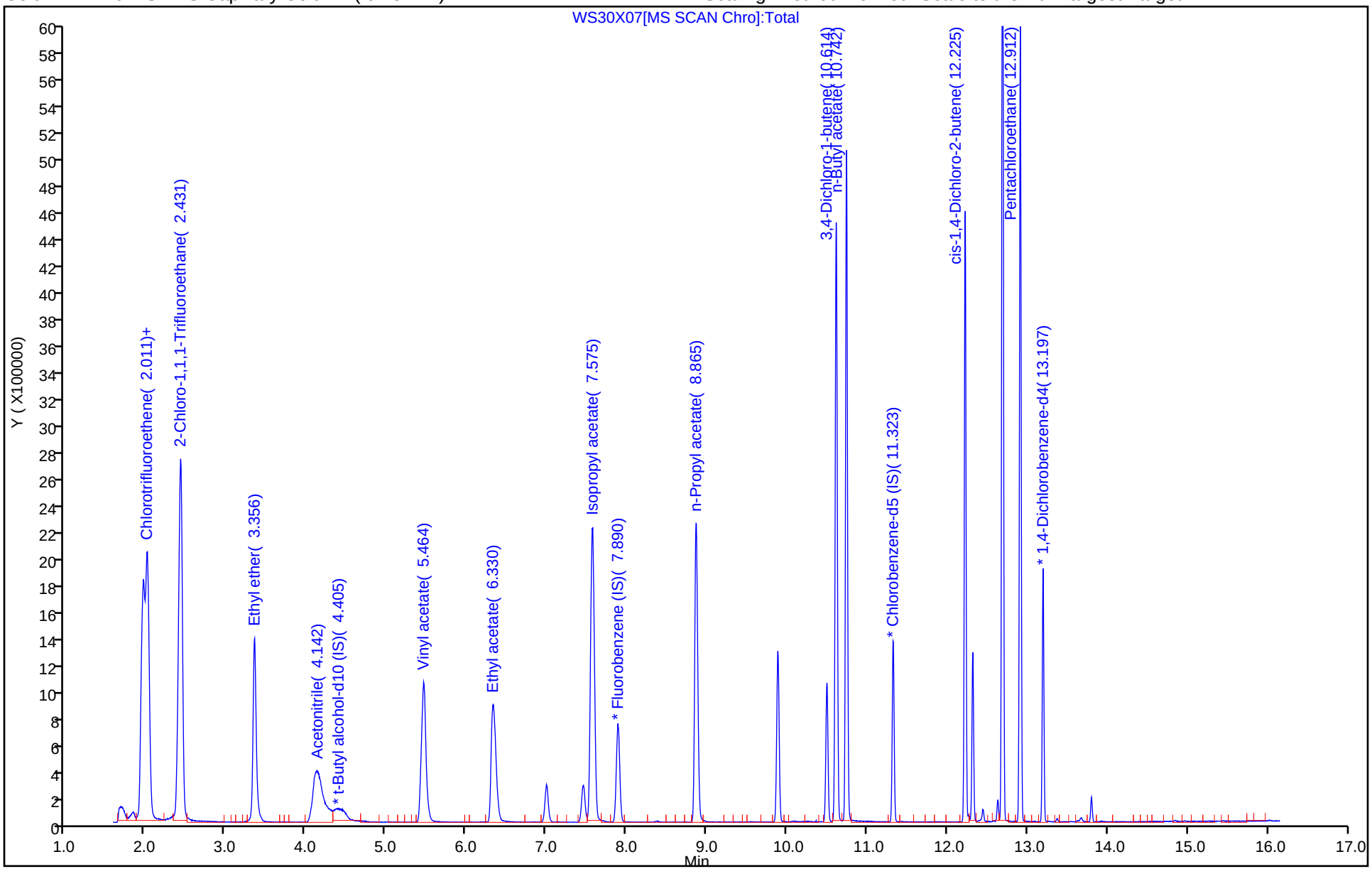
Lims ID: IC sm v300 Worklist Smp#: 8

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 7

Method: MSVoa_9137 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

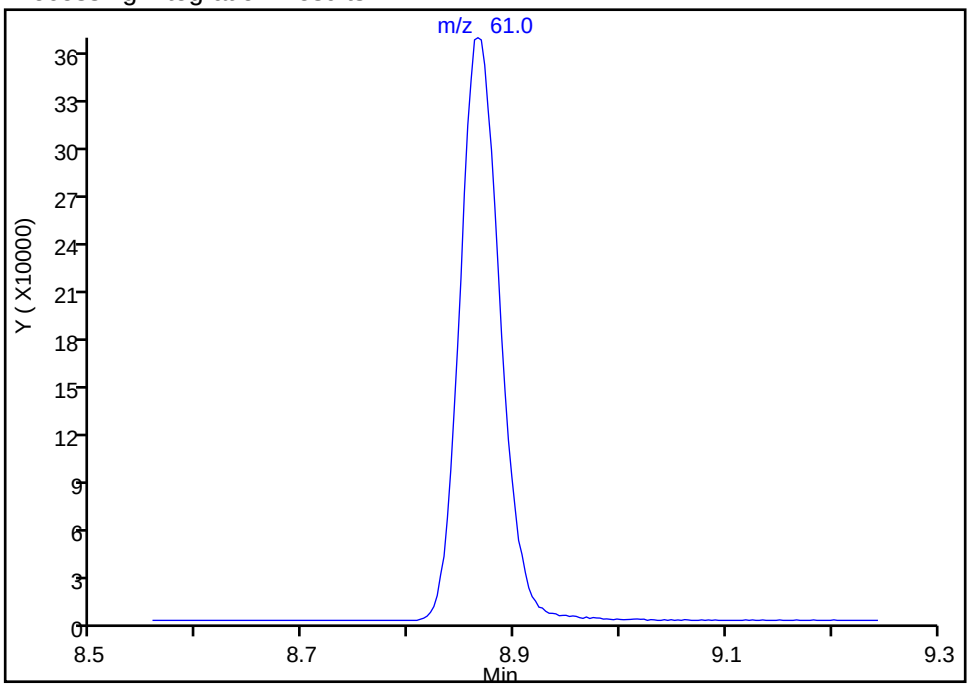
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Injection Date:	30-Sep-2024 21:03:30	Instrument ID:	9137		
Lims ID:	IC sm v300				
Client ID:					
Operator ID:	MCD07824	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9137	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

76 n-Propyl acetate, CAS: 109-60-4

Signal: 1

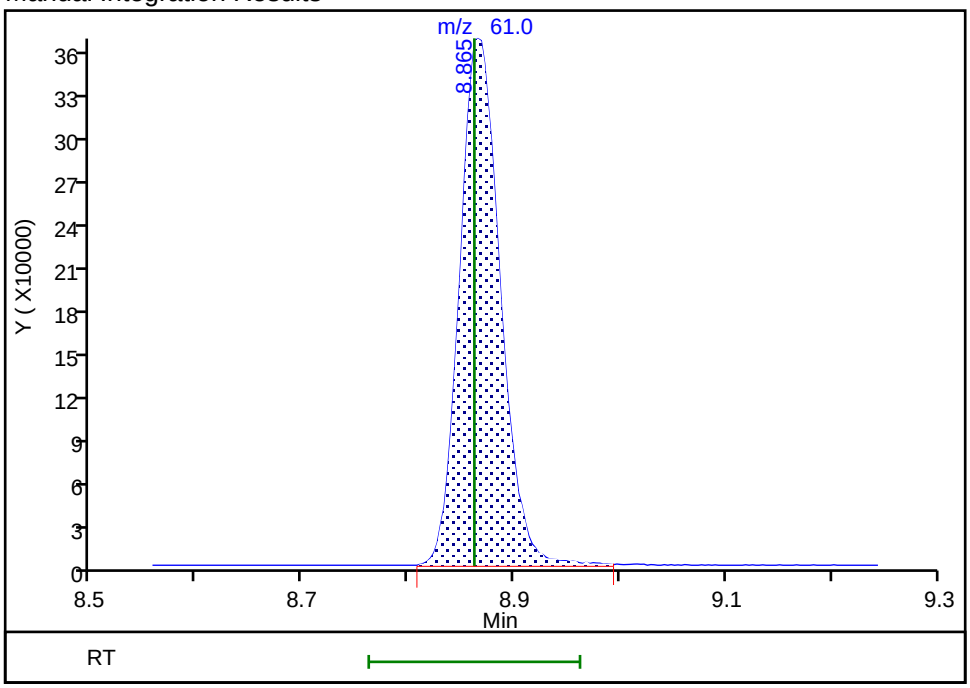
Not Detected
Expected RT: 8.86

Processing Integration Results



Manual Integration Results

RT: 8.87
Area: 963930
Amount: 295.2722
Amount Units: ug/l



Reviewer: DVW2, 01-Oct-2024 09:05:33 -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

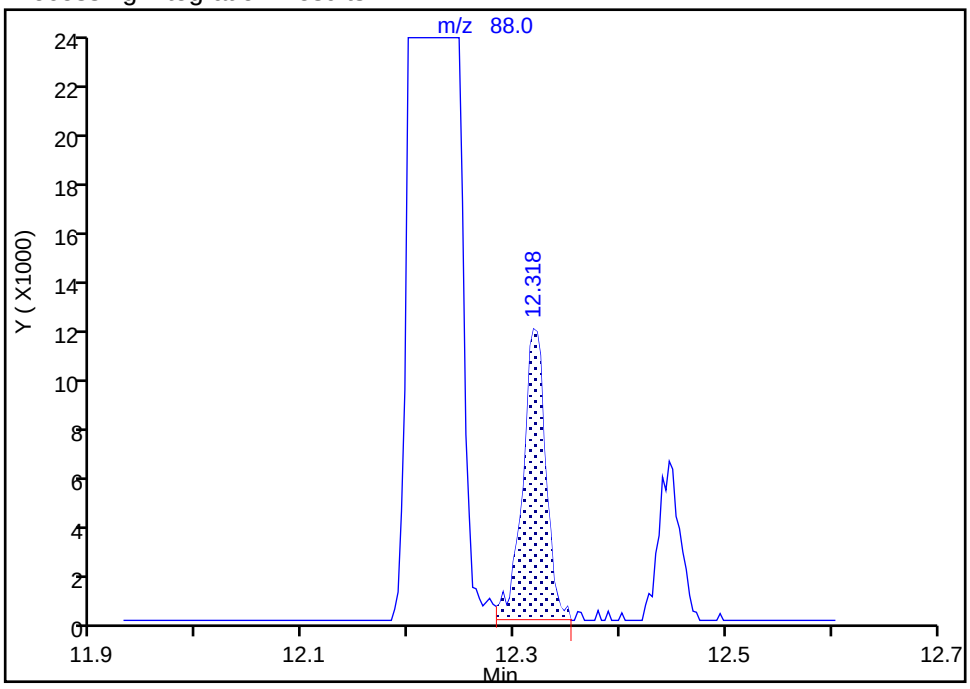
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Injection Date: 30-Sep-2024 21:03:30 Instrument ID: 9137
Lims ID: IC sm v300
Client ID:
Operator ID: MCD07824 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9137 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

112 cis-1,4-Dichloro-2-butene, CAS: 1476-11-5

Signal: 1

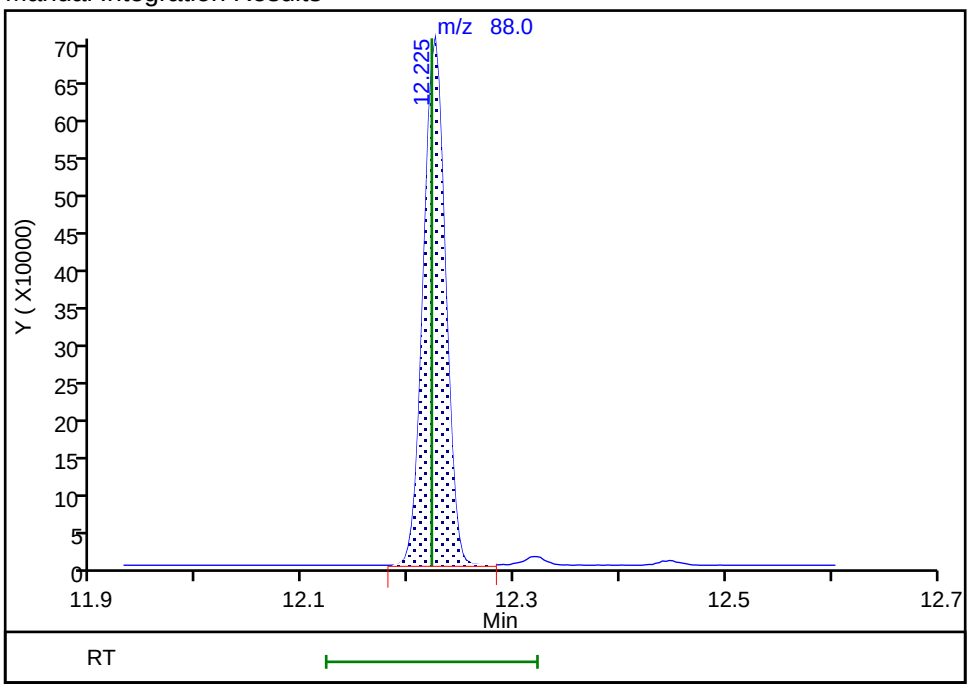
Processing Integration Results

RT: 12.32
Area: 17563
Amount: 8.411861
Amount Units: ug/l



Manual Integration Results

RT: 12.22
Area: 1026171
Amount: 323.1965
Amount Units: ug/l



Reviewer: DVW2, 01-Oct-2024 08:22:41 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Calibration / Chlorotrifluoroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

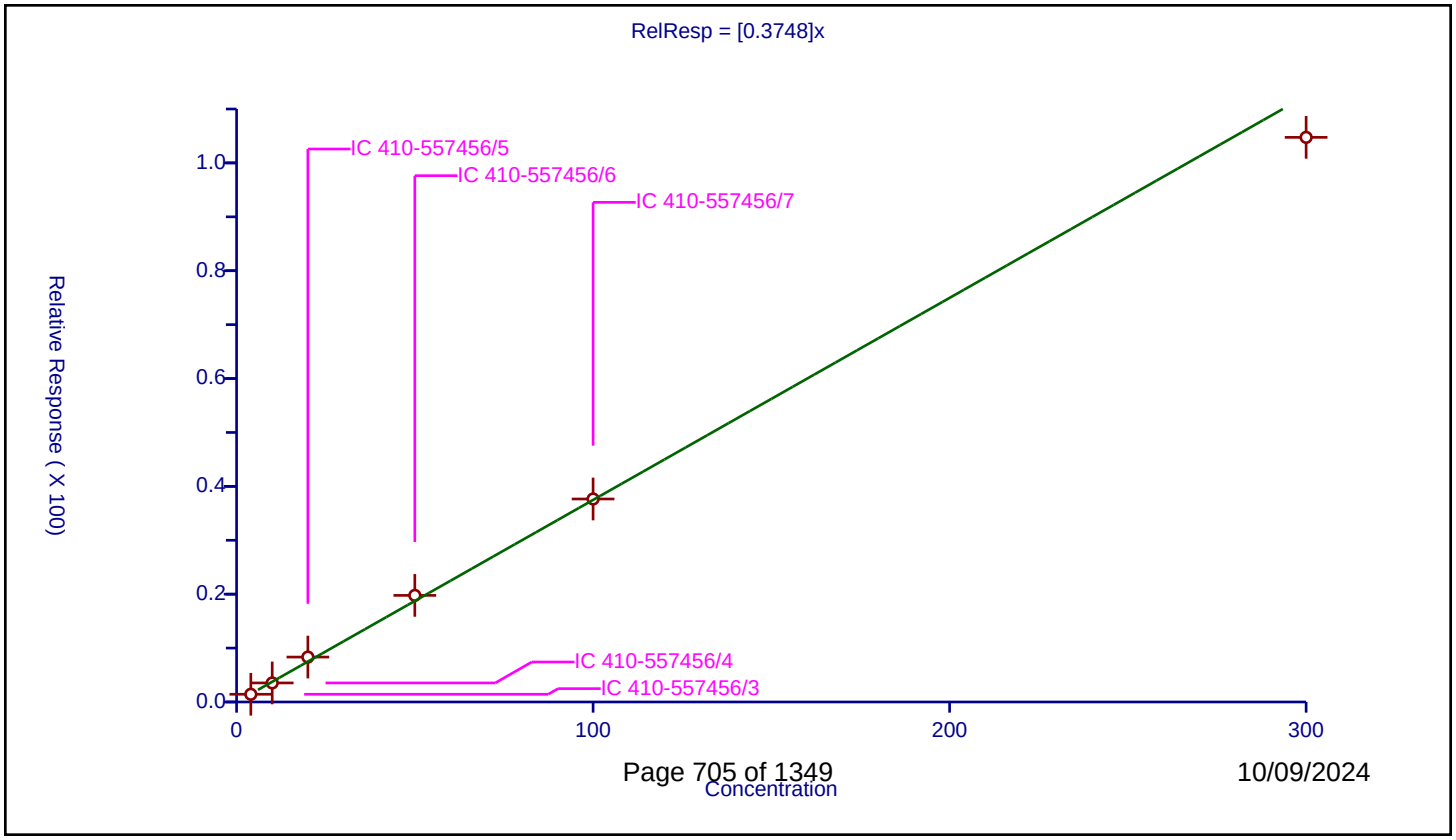
Curve Coefficients

Intercept:	0
Slope:	0.3748

Error Coefficients

Relative Standard Deviation:	7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/3	4.0	1.430482	50.0	1088095.0	0.35762	Y
2	IC 410-557456/4	10.0	3.535293	50.0	1137487.0	0.353529	Y
3	IC 410-557456/5	20.0	8.332411	50.0	1074959.0	0.416621	Y
4	IC 410-557456/6	50.0	19.773725	50.0	1126462.0	0.395475	Y
5	IC 410-557456/7	100.0	37.659413	50.0	1122791.0	0.376594	Y
6	IC 410-557456/8	300.0	104.741224	50.0	1099347.0	0.349137	Y



Calibration / Chlorodifluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

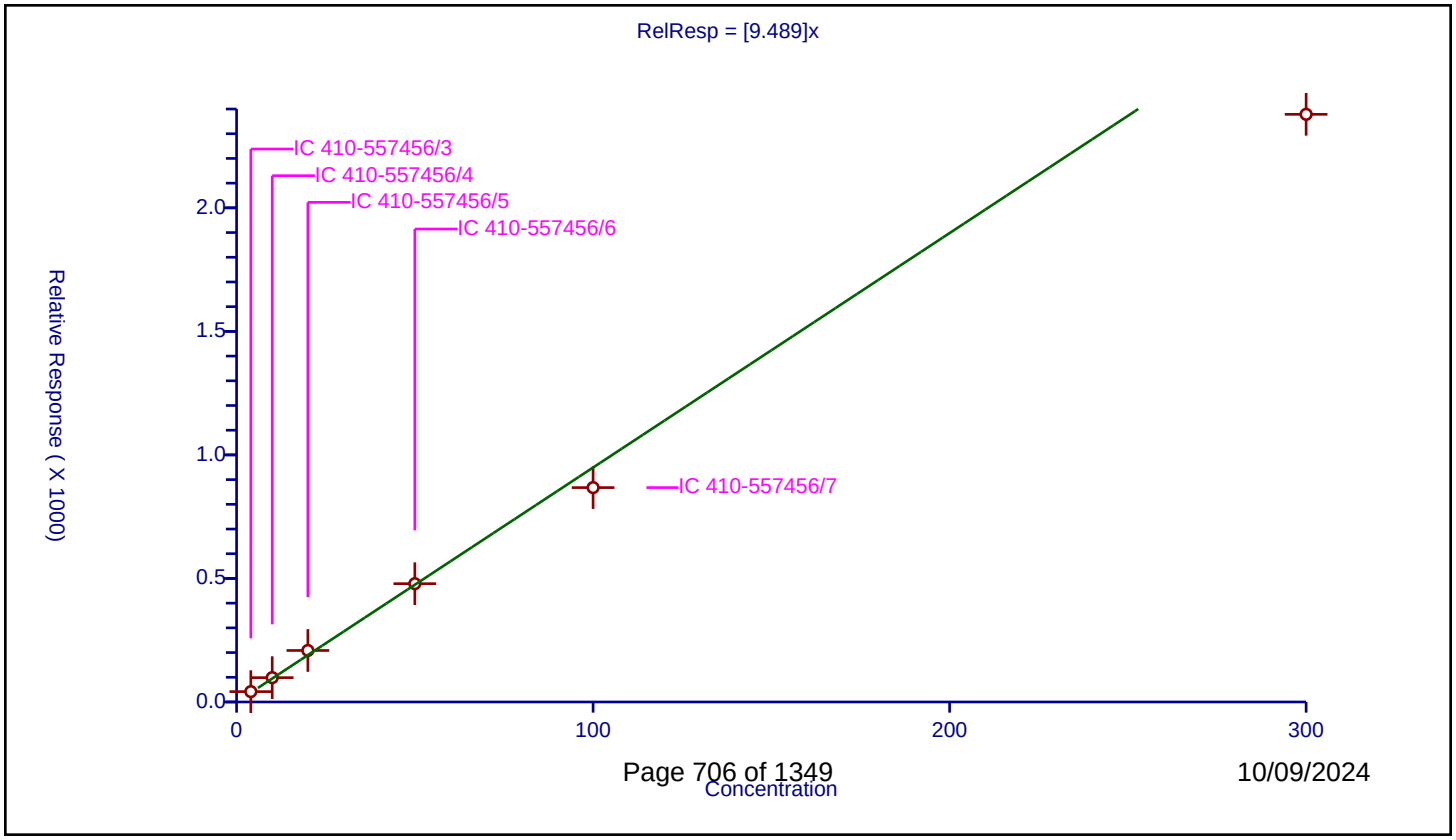
Curve Coefficients

Intercept:	0
Slope:	9.489

Error Coefficients

Relative Standard Deviation:	10.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/3	4.0	41.951268	250.0	374208.0	10.487817	Y
2	IC 410-557456/4	10.0	98.43367	250.0	350820.0	9.843367	Y
3	IC 410-557456/5	20.0	208.43643	250.0	339486.0	10.421822	Y
4	IC 410-557456/6	50.0	478.830848	250.0	353675.0	9.576617	Y
5	IC 410-557456/7	100.0	867.745718	250.0	366680.0	8.677457	Y
6	IC 410-557456/8	300.0	2378.552406	250.0	363486.0	7.928508	Y



10/09/2024

Calibration / 2-Chloro-1,1,1-Trifluoroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

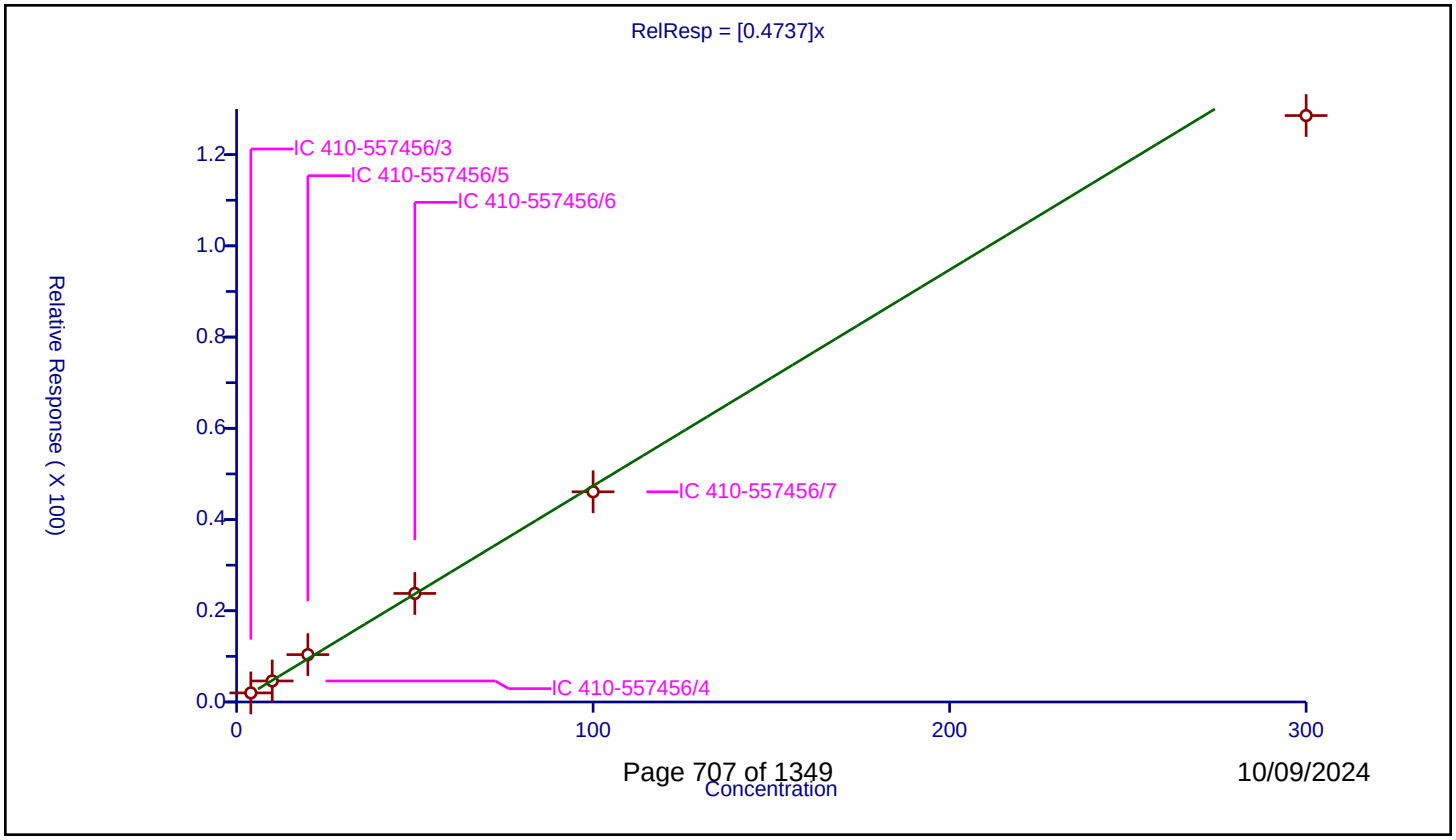
Curve Coefficients

Intercept:	0
Slope:	0.4737

Error Coefficients

Relative Standard Deviation:	6.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/3	4.0	1.987832	50.0	1088095.0	0.496958	Y
2	IC 410-557456/4	10.0	4.61069	50.0	1137487.0	0.461069	Y
3	IC 410-557456/5	20.0	10.383466	50.0	1074959.0	0.519173	Y
4	IC 410-557456/6	50.0	23.795388	50.0	1126462.0	0.475908	Y
5	IC 410-557456/7	100.0	46.08066	50.0	1122791.0	0.460807	Y
6	IC 410-557456/8	300.0	128.565867	50.0	1099347.0	0.428553	Y



Calibration / Ethyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

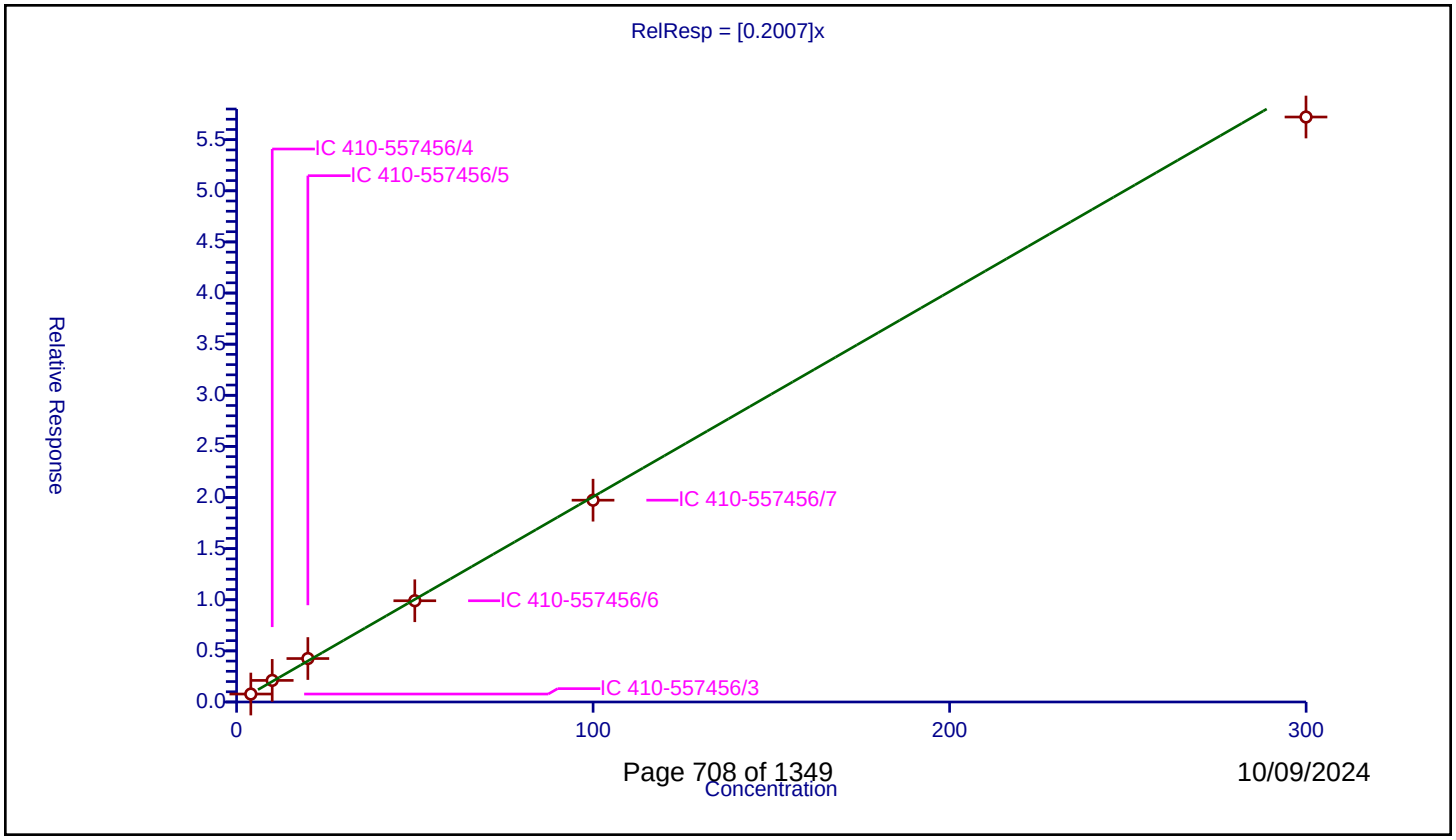
Curve Coefficients

Intercept:	0
Slope:	0.2007

Error Coefficients

Relative Standard Deviation:	4.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/3	3.999587	0.777322	50.0	1088095.0	0.194351	Y
2	IC 410-557456/4	9.998968	2.112156	50.0	1137487.0	0.211237	Y
3	IC 410-557456/5	19.997936	4.250767	50.0	1074959.0	0.21256	Y
4	IC 410-557456/6	49.99484	9.902154	50.0	1126462.0	0.198064	Y
5	IC 410-557456/7	99.98968	19.738936	50.0	1122791.0	0.19741	Y
6	IC 410-557456/8	299.96904	57.216238	50.0	1099347.0	0.19074	Y



Calibration / Acetonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

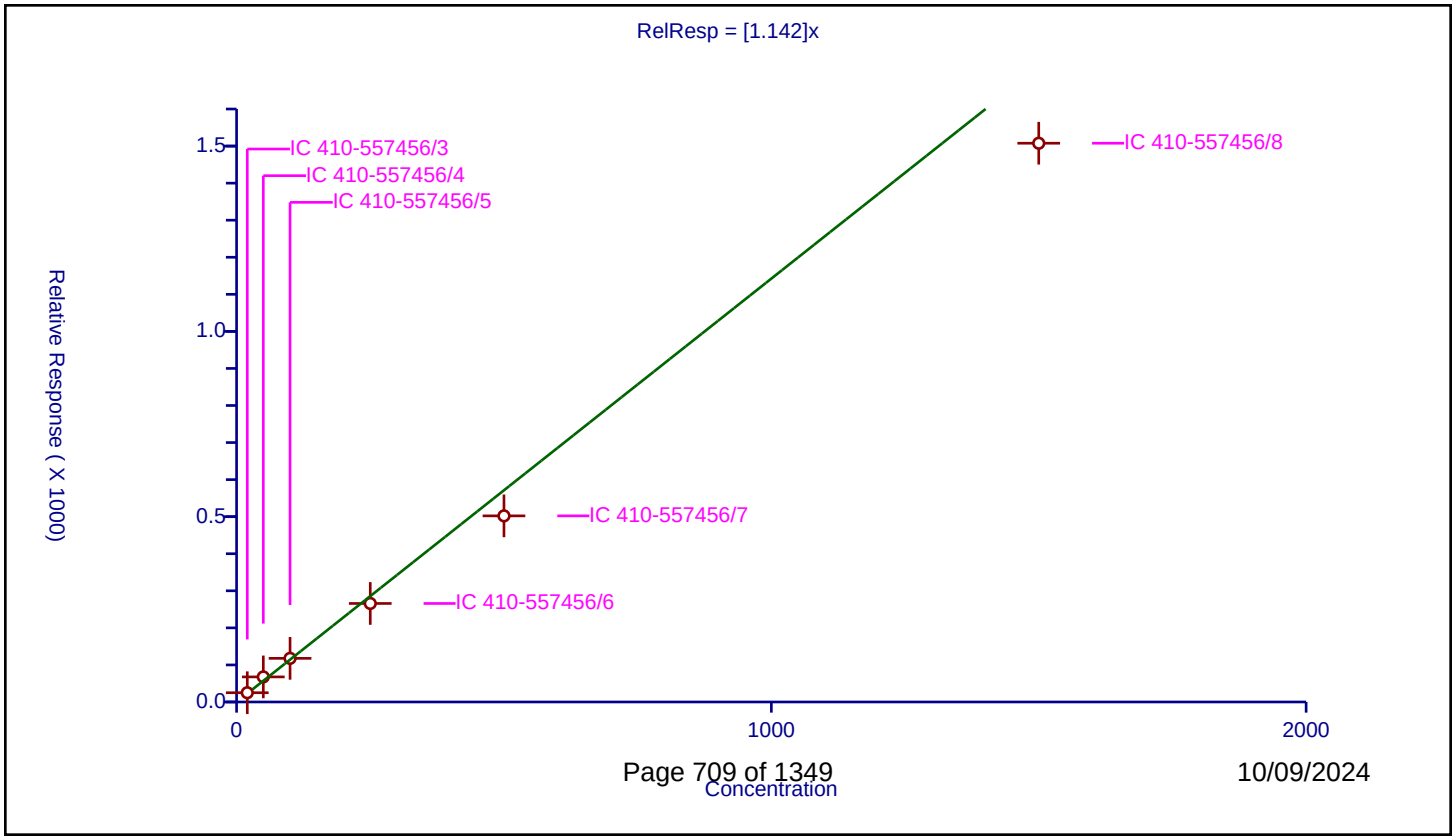
Curve Coefficients

Intercept:	0
Slope:	1.142

Error Coefficients

Relative Standard Deviation:	12.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/3	20.0	25.008151	250.0	374208.0	1.250408	Y
2	IC 410-557456/4	50.0	67.679294	250.0	350820.0	1.353586	Y
3	IC 410-557456/5	100.0	117.753015	250.0	339486.0	1.17753	Y
4	IC 410-557456/6	250.0	265.82597	250.0	353675.0	1.063304	Y
5	IC 410-557456/7	500.0	502.170148	250.0	366680.0	1.00434	Y
6	IC 410-557456/8	1500.0	1507.672923	250.0	363486.0	1.005115	Y



Calibration / Vinyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

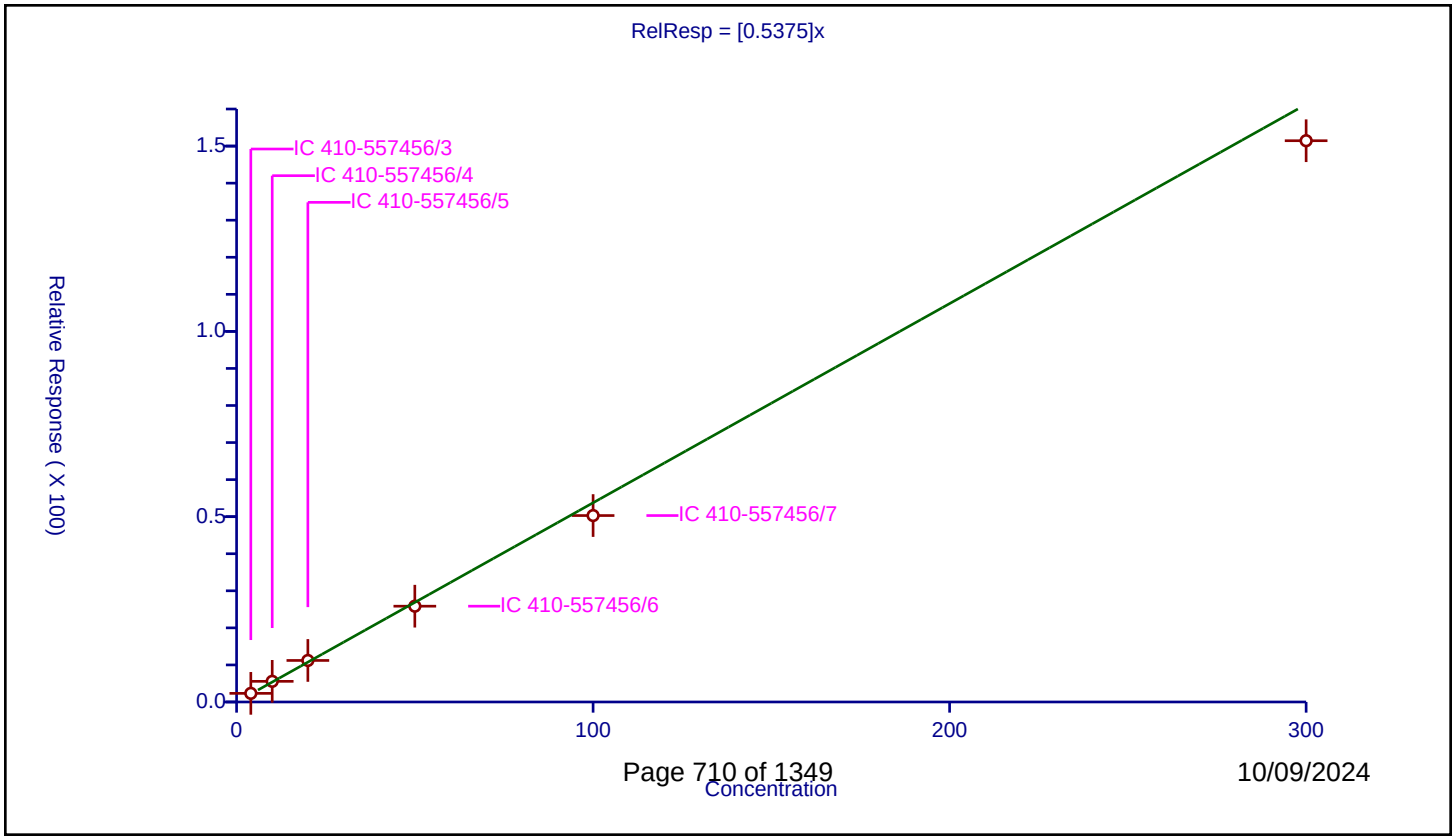
Curve Coefficients

Intercept:	0
Slope:	0.5375

Error Coefficients

Relative Standard Deviation:	6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/3	4.0	2.328841	50.0	1088095.0	0.58221	Y
2	IC 410-557456/4	10.0	5.575404	50.0	1137487.0	0.55754	Y
3	IC 410-557456/5	20.0	11.205218	50.0	1074959.0	0.560261	Y
4	IC 410-557456/6	50.0	25.851649	50.0	1126462.0	0.517033	Y
5	IC 410-557456/7	100.0	50.306246	50.0	1122791.0	0.503062	Y
6	IC 410-557456/8	300.0	151.445085	50.0	1099347.0	0.504817	Y



Calibration / Ethyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

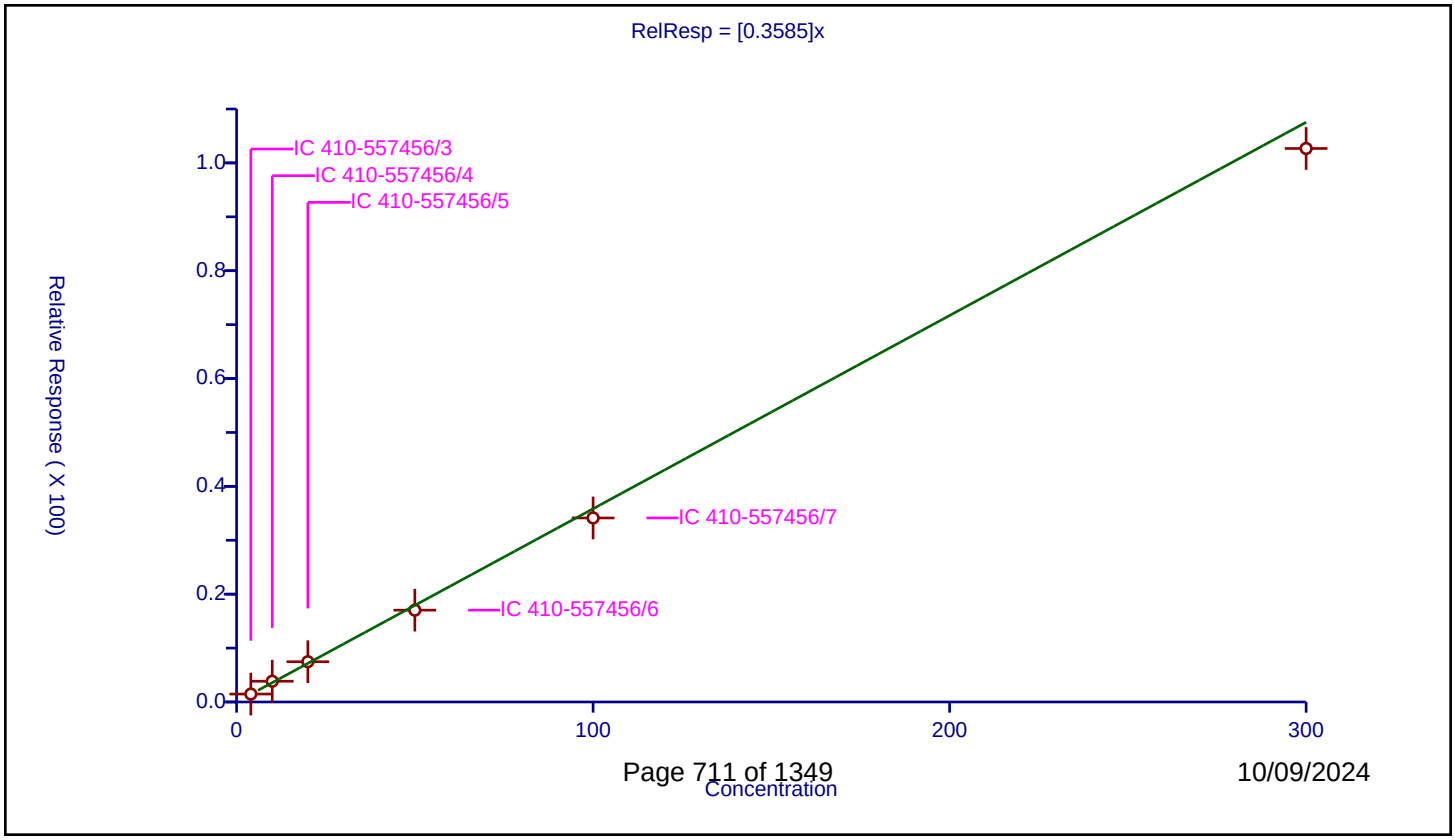
Curve Coefficients

Intercept:	0
Slope:	0.3585

Error Coefficients

Relative Standard Deviation:	5.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/3	4.0	1.472482	50.0	1088095.0	0.36812	Y
2	IC 410-557456/4	10.0	3.850154	50.0	1137487.0	0.385015	Y
3	IC 410-557456/5	20.0	7.468703	50.0	1074959.0	0.373435	Y
4	IC 410-557456/6	50.0	17.032132	50.0	1126462.0	0.340643	Y
5	IC 410-557456/7	100.0	34.142819	50.0	1122791.0	0.341428	Y
6	IC 410-557456/8	300.0	102.67809	50.0	1099347.0	0.34226	Y



Calibration / Isopropyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

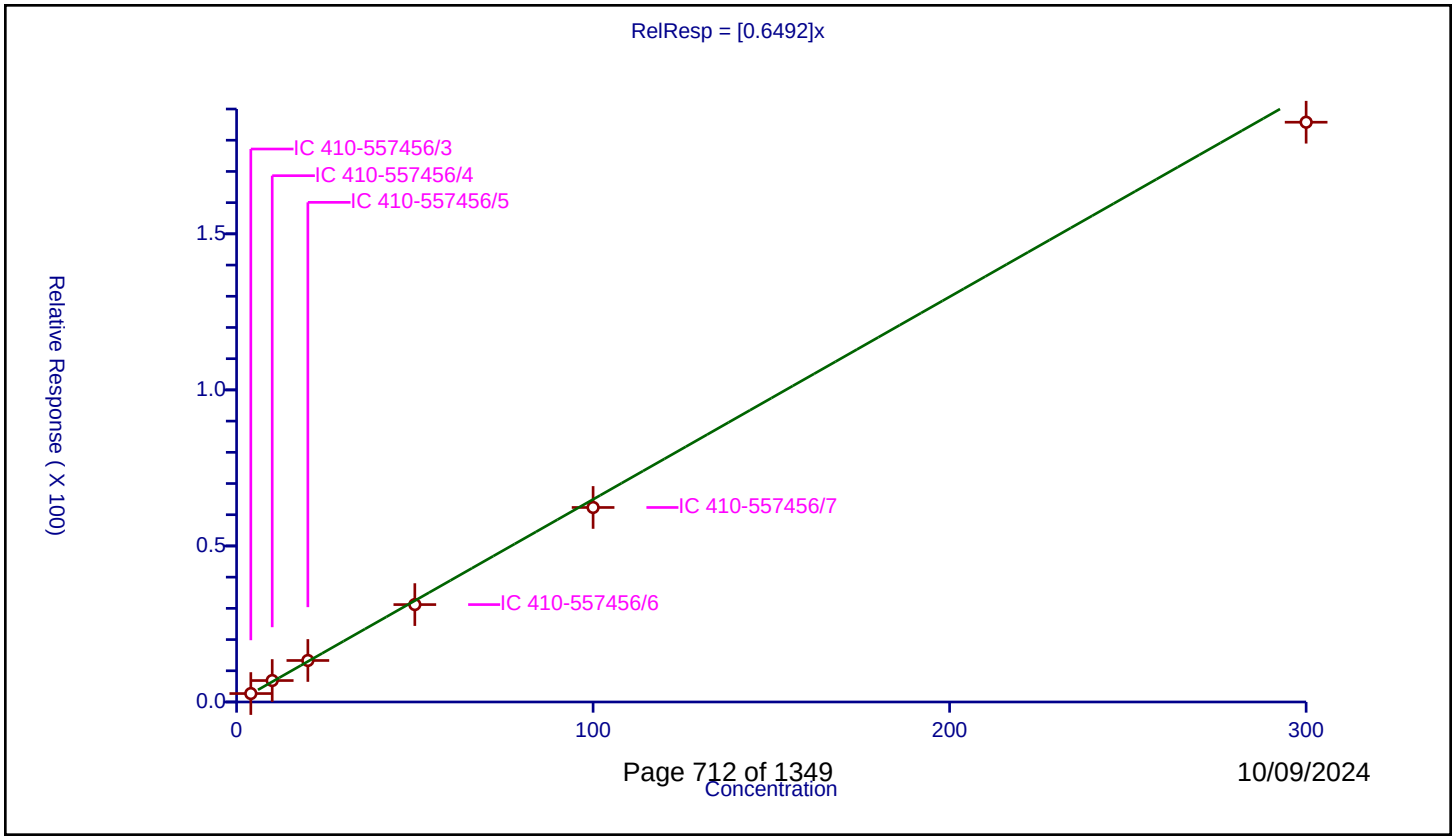
Curve Coefficients

Intercept:	0
Slope:	0.6492

Error Coefficients

Relative Standard Deviation:	4.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/3	4.0	2.701602	50.0	1088095.0	0.675401	Y
2	IC 410-557456/4	10.0	6.877573	50.0	1137487.0	0.687757	Y
3	IC 410-557456/5	20.0	13.3026	50.0	1074959.0	0.66513	Y
4	IC 410-557456/6	50.0	31.209353	50.0	1126462.0	0.624187	Y
5	IC 410-557456/7	100.0	62.328385	50.0	1122791.0	0.623284	Y
6	IC 410-557456/8	300.0	185.769871	50.0	1099347.0	0.619233	Y



Calibration / n-Propyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

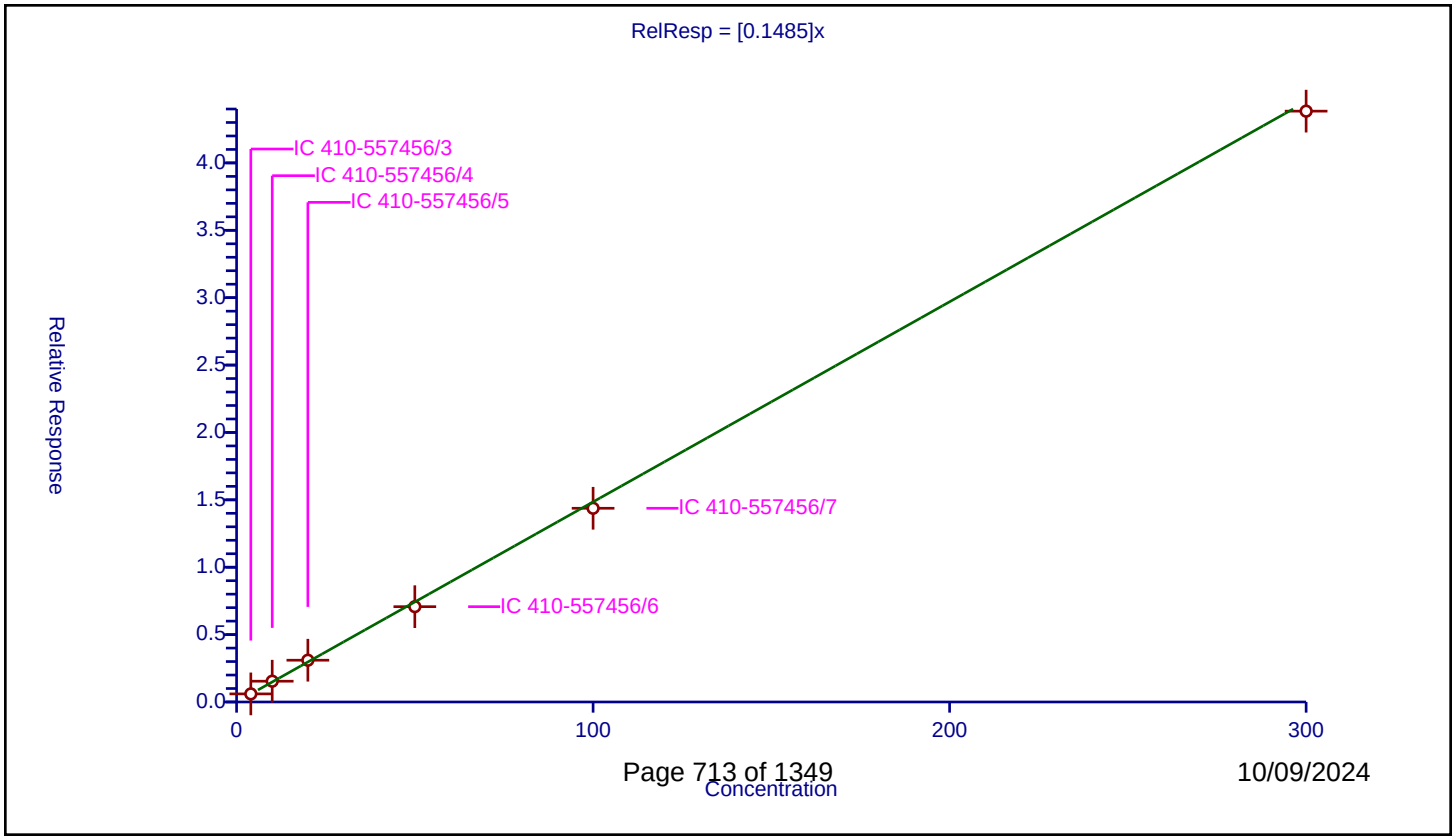
Curve Coefficients

Intercept:	0
Slope:	0.1485

Error Coefficients

Relative Standard Deviation:	3.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/3	4.0	0.601005	50.0	1088095.0	0.150251	Y
2	IC 410-557456/4	10.0	1.542523	50.0	1137487.0	0.154252	Y
3	IC 410-557456/5	20.0	3.100165	50.0	1074959.0	0.155008	Y
4	IC 410-557456/6	50.0	7.073208	50.0	1126462.0	0.141464	Y
5	IC 410-557456/7	100.0	14.374714	50.0	1122791.0	0.143747	Y
6	IC 410-557456/8	300.0	43.841026	50.0	1099347.0	0.146137	Y



Calibration / 3,4-Dichloro-1-butene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

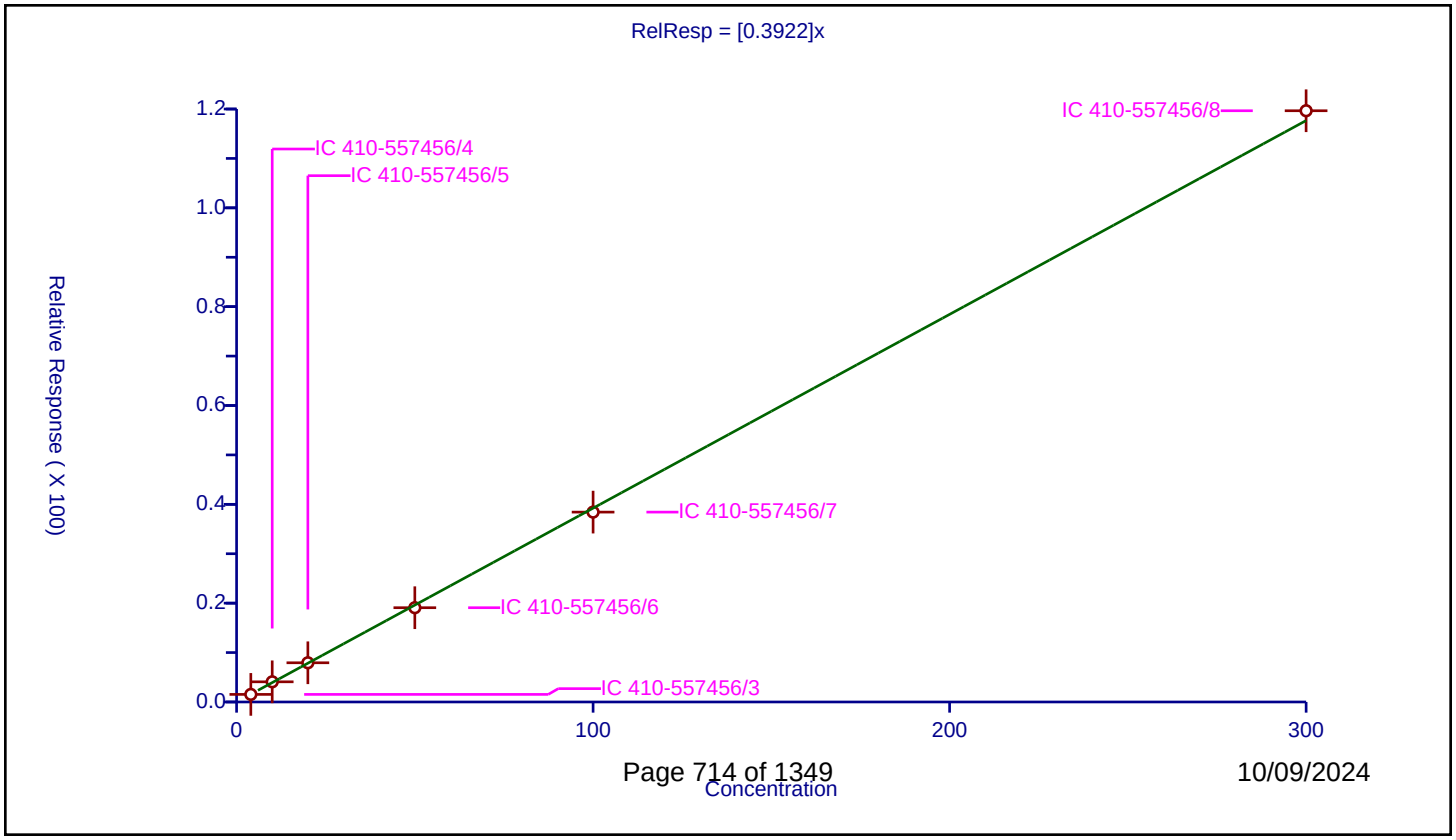
Curve Coefficients

Intercept:	0
Slope:	0.3922

Error Coefficients

Relative Standard Deviation:	2.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/3	3.99997	1.535249	50.0	813516.0	0.383815	Y
2	IC 410-557456/4	9.999924	4.080329	50.0	850679.0	0.408036	Y
3	IC 410-557456/5	19.999848	7.935503	50.0	797492.0	0.396778	Y
4	IC 410-557456/6	49.99962	19.078966	50.0	843020.0	0.381582	Y
5	IC 410-557456/7	99.99924	38.427887	50.0	837898.0	0.384282	Y
6	IC 410-557456/8	299.99772	119.65032	50.0	822381.0	0.398837	Y



Calibration / n-Butyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

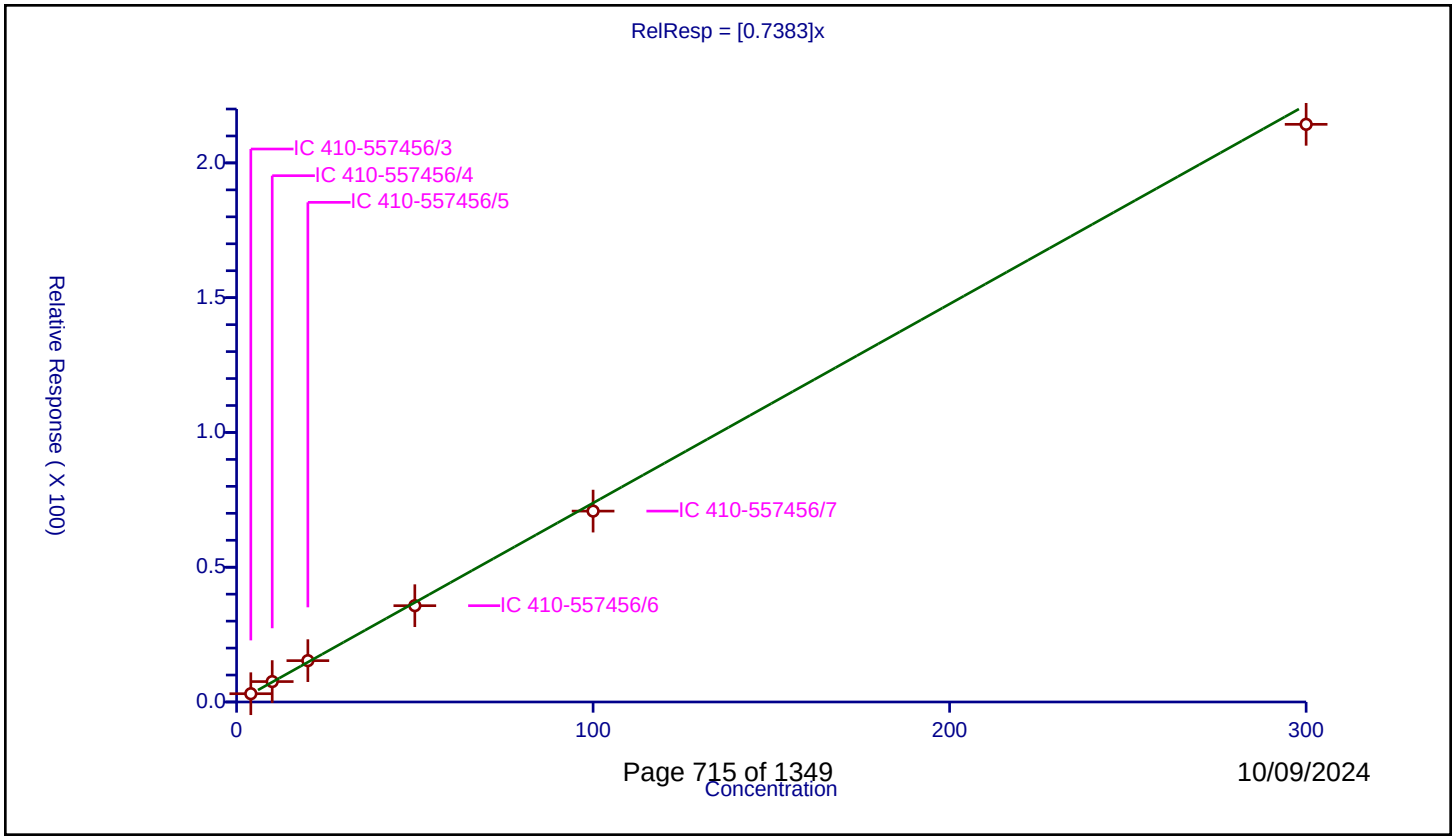
Curve Coefficients

Intercept:	0
Slope:	0.7383

Error Coefficients

Relative Standard Deviation:	3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/3	4.0	3.07308	50.0	813516.0	0.76827	Y
2	IC 410-557456/4	10.0	7.571657	50.0	850679.0	0.757166	Y
3	IC 410-557456/5	20.0	15.341721	50.0	797492.0	0.767086	Y
4	IC 410-557456/6	50.0	35.732248	50.0	843020.0	0.714645	Y
5	IC 410-557456/7	100.0	70.820195	50.0	837898.0	0.708202	Y
6	IC 410-557456/8	300.0	214.317026	50.0	822381.0	0.71439	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

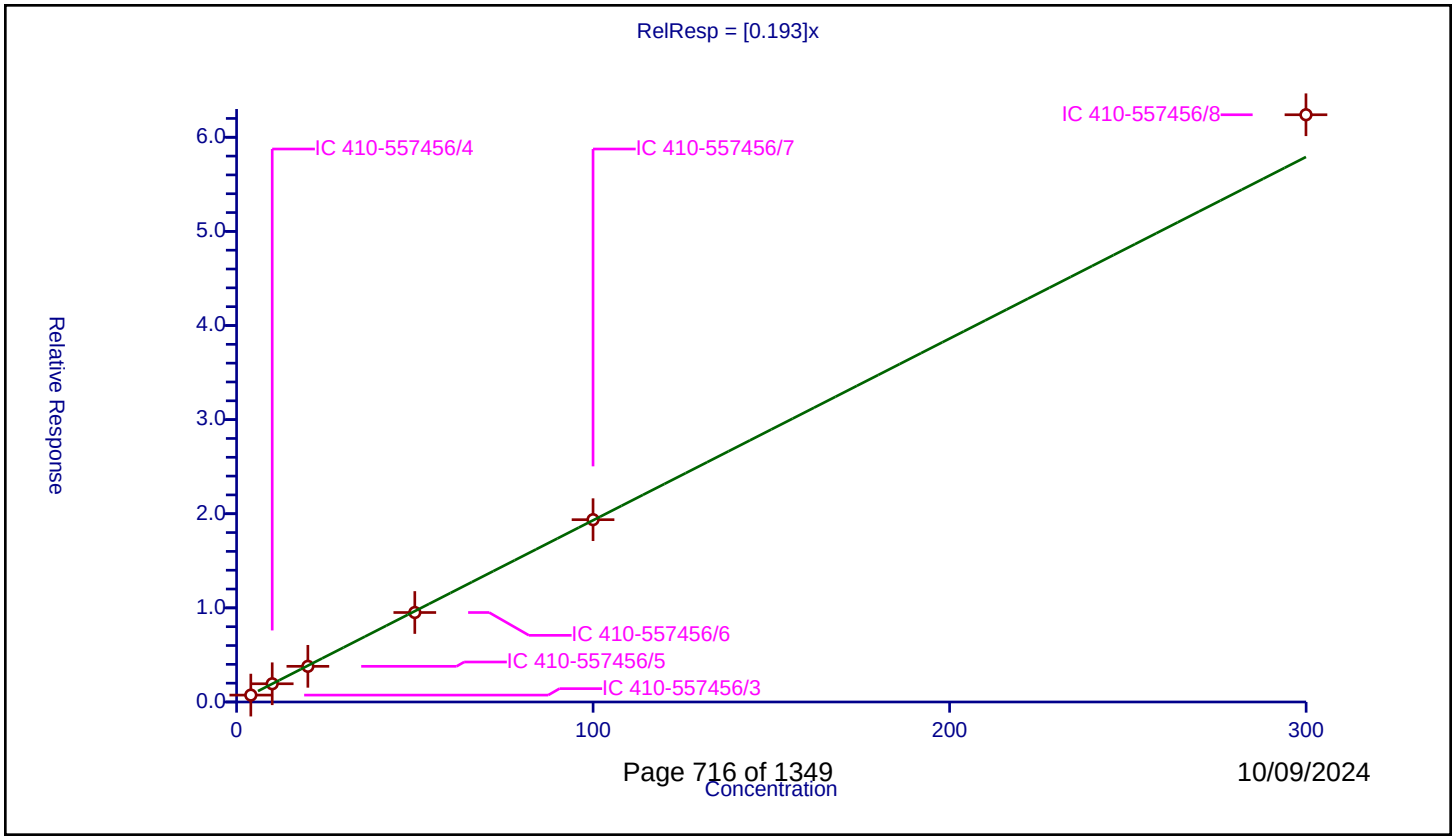
Curve Coefficients

Intercept:	0
Slope:	0.193

Error Coefficients

Relative Standard Deviation:	4.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/3	3.999457	0.733544	50.0	813516.0	0.183411	Y
2	IC 410-557456/4	9.998644	1.935042	50.0	850679.0	0.19353	Y
3	IC 410-557456/5	19.997287	3.788063	50.0	797492.0	0.189429	Y
4	IC 410-557456/6	49.993218	9.506655	50.0	843020.0	0.190159	Y
5	IC 410-557456/7	99.986436	19.369601	50.0	837898.0	0.193722	Y
6	IC 410-557456/8	299.959308	62.390242	50.0	822381.0	0.207996	Y



Calibration / Pentachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

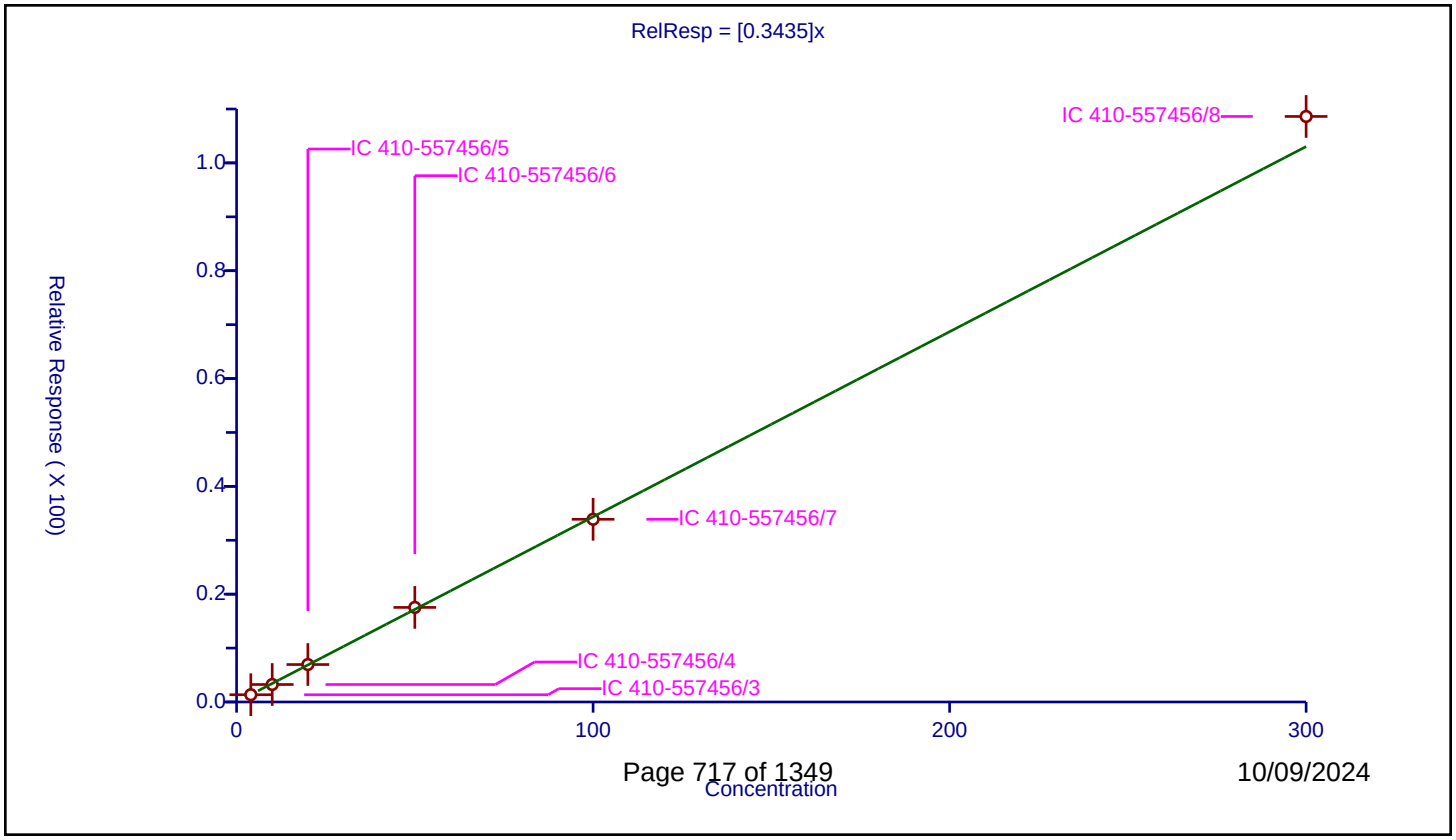
Curve Coefficients

Intercept:	0
Slope:	0.3435

Error Coefficients

Relative Standard Deviation:	3.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/3	4.0	1.348857	50.0	464356.0	0.337214	Y
2	IC 410-557456/4	10.0	3.242971	50.0	492758.0	0.324297	Y
3	IC 410-557456/5	20.0	6.945761	50.0	464348.0	0.347288	Y
4	IC 410-557456/6	50.0	17.545569	50.0	485587.0	0.350911	Y
5	IC 410-557456/7	100.0	33.894563	50.0	487531.0	0.338946	Y
6	IC 410-557456/8	300.0	108.619561	50.0	469148.0	0.362065	Y



FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1 Analy Batch No.: 557456

SDG No.:

Instrument ID: 9137 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/30/2024 22:30 Calibration End Date: 10/01/2024 00:40 Calibration ID: 66268

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-557456/12	WS30X11.D
Level 2	IC 410-557456/13	WS30X12.D
Level 3	IC 410-557456/14	WS30X13.D
Level 4	IC 410-557456/15	WS30X14.D
Level 5	ICIS 410-557456/16	WS30X15.D
Level 6	IC 410-557456/17	WS30X16.D
Level 7	IC 410-557456/18	WS30X17.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	0.4345 0.5704	0.6254 0.5370	0.5917	0.5736	0.6148	Ave		0.5639			0.1000	11.4		20.0			
Chloromethane	0.5831 0.5120	0.5994 0.4786	0.5339	0.5427	0.5475	Ave		0.5425			0.1000	7.5		20.0			
Vinyl chloride	0.4573 0.5260	0.6167 0.4951	0.5481	0.5494	0.5675	Ave		0.5372			0.1000	9.6		20.0			
1,3-Butadiene	0.4407 0.5239	0.6391 0.5000	0.5734	0.5528	0.5860	Ave		0.5451				11.8		20.0			
Bromomethane	0.3798 0.3700	0.4226 0.3465	0.3815	0.3950	0.3849	Ave		0.3829			0.1000	6.1		20.0			
Chloroethane	0.2448 0.2615	0.3010 0.2467	0.2759	0.2768	0.2794	Ave		0.2694			0.1000	7.4		20.0			
Dichlorofluoromethane	0.7531 0.7929	0.9001 0.7400	0.8125	0.8303	0.8359	Ave		0.8093			0.1000	6.7		20.0			
Trichlorofluoromethane	0.5204 0.6467	0.7123 0.6211	0.6656	0.6662	0.6967	Ave		0.6470			0.1000	9.8		20.0			
n-Pentane	0.5106 0.4433	0.4213 0.4495	0.4701	0.4042	0.4997	Ave		0.4570				8.6		20.0			
Ethanol	0.0531 0.0621	0.0666 0.0556	0.0664	0.0658	0.0649	Ave		0.0621				8.9		20.0			
Freon 123a	0.3660 0.3776	0.4415 0.3626	0.3932	0.3925	0.4131	Ave		0.3924				7.1		20.0			
Acrolein	1.2320 1.2861	1.2204 1.3847	1.1539	1.2514	1.3659	Ave		1.2706				6.5		20.0			
1,1-Dichloroethene	0.2001 0.2609	0.2602 0.2590	0.2957	0.2589	0.2927	Ave		0.2611			0.1000	12.0		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1 Analy Batch No.: 557456

SDG No.:

Instrument ID: 9137 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/30/2024 22:30 Calibration End Date: 10/01/2024 00:40 Calibration ID: 66268

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	0.2168 0.3389	0.3027 0.3269	0.3715	0.3053	0.3818	Ave		0.3206			0.1000	17.1		20.0			
Acetone	0.6633 0.7603	0.8000 0.7545	0.7443	0.7639	0.8485	Ave		0.7621			0.1000	7.4		20.0			
Methyl iodide	0.4308 0.5273	0.5201 0.5134	0.5891	0.5242	0.5863	Ave		0.5273				10.1		20.0			
2-Propanol	0.9607 0.7221	0.9474 0.6478	0.7664	0.7687	0.6515	Ave		0.7807				16.4		20.0			
Carbon disulfide	0.6993 0.9223	0.8965 0.9178	1.0230	0.8811	1.0242	Ave		0.9092			0.1000	12.0		20.0			
Methyl acetate	0.4389 0.3017	0.3950 0.2837	0.3174	0.3002	0.3111	Ave		0.3354			0.1000	17.3		20.0			
Allyl chloride	0.3693 0.3669	0.3791 0.3523	0.4201	0.3718	0.4013	Ave		0.3801				6.1		20.0			
Methylene Chloride	0.2855 0.2887	0.3081 0.2831	0.3278	0.2959	0.3211	Ave		0.3015			0.1000	5.9		20.0			
t-Butyl alcohol	1.0580 1.0041	1.1209 1.1041	1.3175	1.0623	1.0774	Ave		1.1063				9.1		20.0			
Acrylonitrile	0.1694 0.1730	0.1900 0.1631	0.1904	0.1739	0.1797	Ave		0.1771				5.8		20.0			
trans-1,2-Dichloroethene	0.2317 0.2449	0.2405 0.2322	0.2773	0.2447	0.2724	Ave		0.2491			0.1000	7.4		20.0			
Methyl tert-butyl ether	0.8945 0.9025	0.9497 0.8442	1.0005	0.9177	0.9565	Ave		0.9237			0.1000	5.5		20.0			
n-Hexane	0.2167 0.3381	0.2941 0.3131	0.3650	0.3054	0.3763	Ave		0.3155				16.9		20.0			
1,1-Dichloroethane	0.3522 0.4191	0.4406 0.3965	0.4725	0.4232	0.4655	Ave		0.4242			0.2000	9.8		20.0			
Isopropyl ether	0.8214 0.8147	0.8198 0.7790	0.8852	0.8030	0.8721	Ave		0.8279				4.6		20.0			
2-Chloro-1,3-butadiene	0.3480 0.3832	0.3766 0.3569	0.4278	0.3711	0.4210	Ave		0.3835				7.9		20.0			
Ethyl t-butyl ether	0.8212 0.8692	0.8973 0.8352	0.9429	0.8640	0.9255	Ave		0.8793				5.1		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1 Analy Batch No.: 557456

SDG No.:

Instrument ID: 9137 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/30/2024 22:30 Calibration End Date: 10/01/2024 00:40 Calibration ID: 66268

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-Butanone (MEK)	0.2845 0.2246	0.2474 0.2266	0.2305	0.2166	0.2361	Ave		0.2380			0.1000	9.5		20.0			
cis-1,2-Dichloroethene	0.2625 0.2783	0.2842 0.2626	0.3201	0.2794	0.3065	Ave		0.2848			0.1000	7.6		20.0			
2,2-Dichloropropane	0.3677 0.4699	0.4594 0.4547	0.5243	0.4471	0.5071	Ave		0.4615				10.9		20.0			
Propionitrile	1.1695 1.2127	1.3031 1.1604	1.3496	1.2229	1.2971	Ave		1.2451				5.8		20.0			
Methyl acrylate	0.4418 0.4138	0.4159 0.4004	0.4167	0.4143	0.4386	Ave		0.4202				3.5		20.0			
Methacrylonitrile	0.1759 0.1696	0.1771 0.1630	0.1848	0.1678	0.1795	Ave		0.1740				4.3		20.0			
Bromochloromethane	0.1410 0.1451	0.1596 0.1358	0.1583	0.1447	0.1541	Ave		0.1484				6.1		20.0			
Tetrahydrofuran	1.0499 1.0361	1.1528 0.9810	1.1537	1.0982	1.1338	Ave		1.0865				6.1		20.0			
Chloroform	0.3506 0.4149	0.4379 0.3866	0.4617	0.4222	0.4548	Ave		0.4184			0.2000	9.4		20.0			
1,1,1-Trichloroethane	0.3537 0.4587	0.4229 0.4448	0.4907	0.4387	0.4981	Ave		0.4440			0.1000	10.9		20.0			
Cyclohexane	0.3959 0.5592	0.4928 0.5422	0.5970	0.4987	0.6094	Ave		0.5279			0.1000	13.9		20.0			
Carbon tetrachloride	0.2673 0.3968	0.3515 0.3915	0.4039	0.3562	0.4274	Ave		0.3707			0.1000	14.2		20.0			
1,1-Dichloropropene	0.3059 0.3729	0.3726 0.3512	0.4065	0.3586	0.4119	Ave		0.3685				9.7		20.0			
Isobutyl alcohol	0.4534 0.3492	0.3744 0.3216	0.3796	0.3533	0.3503	Ave		0.3688				11.3		20.0			
Benzene	0.9736 1.0440	1.0411 0.9767	1.1698	1.0410	1.1396	Ave		1.0551			0.5000	7.1		20.0			
1,2-Dichloroethane	0.3432 0.3213	0.3368 0.3062	0.3557	0.3210	0.3479	Ave		0.3332			0.1000	5.3		20.0			
t-Amyl methyl ether	0.7950 0.8633	0.8647 0.8413	0.9123	0.8427	0.9166	Ave		0.8623				4.9		20.0			

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FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1 Analy Batch No.: 557456

SDG No.:

Instrument ID: 9137 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/30/2024 22:30 Calibration End Date: 10/01/2024 00:40 Calibration ID: 66268

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								
n-Heptane	0.2359 0.2957	0.2754 0.2738	0.3141	0.2585	0.3160	Ave		0.2813				10.4		20.0			
n-Butanol	0.2466 0.2857	0.2891 0.2610	0.2815	0.2726	0.2849	Ave		0.2745				5.7		20.0			
Trichloroethene	0.2460 0.2804	0.2840 0.2676	0.3083	0.2697	0.3050	Ave		0.2801			0.2000	7.8		20.0			
Ethyl acrylate	0.4611 0.4308	0.4330 0.4297	0.4243	0.4216	0.4483	Ave		0.4356				3.2		20.0			
Methylcyclohexane	0.3299 0.5394	0.4389 0.5241	0.5516	0.4526	0.5732	Ave		0.4871			0.1000	17.6		20.0			
1,2-Dichloropropane	0.2312 0.2706	0.2557 0.2620	0.2953	0.2661	0.2905	Ave		0.2673			0.1000	8.1		20.0			
t-Amyl ethyl ether	0.3487 0.4204	0.3948 0.4356	0.4399	0.3960	0.4413	Ave		0.4109				8.2		20.0			
Methyl methacrylate	0.2314 0.2552	0.2660 0.2524	0.2720	0.2500	0.2644	Ave		0.2559				5.2		20.0			
1,4-Dioxane	+++++ 0.0744	0.0809 0.0691	0.0867	0.0785	0.0796	Ave		0.0782			0.0050	7.7		20.0			
Dibromomethane	0.1579 0.1815	0.1815 0.1770	0.1912	0.1791	0.1961	Ave		0.1806				6.7		20.0			
Bromodichloromethane	0.2579 0.3218	0.2908 0.3180	0.3286	0.3025	0.3357	Ave		0.3079			0.2000	8.7		20.0			
2-Nitropropane	1.8329 1.7416	1.7237 1.7025	1.7850	1.7234	1.8804	Ave		1.7699				3.7		20.0			
2-Chloroethyl vinyl ether	0.1605 0.1955	0.1824 0.1993	0.1919	0.1884	0.2028	Ave		0.1887				7.5		20.0			
cis-1,3-Dichloropropene	0.3810 0.4223	0.3800 0.4291	0.4252	0.3960	0.4427	Ave		0.4109			0.2000	6.1		20.0			
4-Methyl-2-pentanone (MIBK)	0.4617 0.4553	0.4390 0.4422	0.4571	0.4425	0.4889	Ave		0.4552			0.1000	3.8		20.0			
Toluene	0.7971 0.8804	0.8513 0.8100	0.9679	0.8800	0.9499	Ave		0.8767			0.4000	7.4		20.0			
trans-1,3-Dichloropropene	0.4594 0.5027	0.4792 0.4825	0.5135	0.4809	0.5208	Ave		0.4913			0.1000	4.4		20.0			

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FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1 Analy Batch No.: 557456

SDG No.:

Instrument ID: 9137 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/30/2024 22:30 Calibration End Date: 10/01/2024 00:40 Calibration ID: 66268

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								
Ethyl methacrylate	0.5627 0.5863	0.5927 0.5341	0.6307	0.5848	0.6299	Ave		0.5888				5.9		20.0			
1,1,2-Trichloroethane	0.3345 0.3260	0.3281 0.3025	0.3538	0.3344	0.3478	Ave		0.3325			0.1000	5.0		20.0			
Tetrachloroethene	0.2728 0.3752	0.3543 0.3485	0.4190	0.3656	0.4071	Ave		0.3632			0.2000	13.1		20.0			
1,3-Dichloropropane	0.5282 0.5419	0.5527 0.5091	0.5848	0.5344	0.5736	Ave		0.5464				4.8		20.0			
2-Hexanone	0.5212 0.4046	0.4300 0.3762	0.4092	0.4107	0.4335	Ave		0.4265			0.1000	10.7		20.0			
Dibromochloromethane	0.2962 0.3610	0.3061 0.3524	0.3471	0.3305	0.3710	Ave		0.3377				8.3		20.0			
1,2-Dibromoethane (EDB)	0.3461 0.3608	0.3512 0.3386	0.3839	0.3578	0.3785	Ave		0.3596			0.1000	4.6		20.0			
1-Chlorohexane	0.4238 0.4858	0.4593 0.4377	0.5261	0.4628	0.5221	Ave		0.4739				8.3		20.0			
Chlorobenzene	0.8793 1.0010	0.9528 0.9320	1.0980	0.9870	1.0888	Ave		0.9913			0.5000	8.1		20.0			
1,1,1,2-Tetrachloroethane	0.3096 0.3960	0.3422 0.3654	0.4021	0.3817	0.4184	Ave		0.3736				10.1		20.0			
Ethylbenzene	1.5128 1.7956	1.6997 1.5982	1.9971	1.7848	1.9441	Ave		1.7618			0.1000	9.9		20.0			
m&p-Xylene	0.5865 0.7165	0.6759 0.6446	0.7784	0.7004	0.7729	Ave		0.6965			0.1000	9.8		20.0			
n-Butyl acrylate	0.8237 0.8345	0.8705 0.7413	0.8577	0.8541	0.8723	Ave		0.8363				5.4		20.0			
o-Xylene	0.5930 0.7464	0.7134 0.6758	0.8144	0.7458	0.8084	Ave		0.7282			0.3000	10.6		20.0			
Styrene	0.9775 1.1424	1.0537 1.0381	1.2216	1.1385	1.2181	Ave		1.1128			0.3000	8.4		20.0			
Bromoform	0.2115 0.2852	0.2365 0.2725	0.2711	0.2578	0.2898	Ave		0.2607			0.1000	10.7		20.0			
Isopropylbenzene	1.3159 1.7485	1.5978 1.5187	1.8645	1.6725	1.8735	Ave		1.6559			0.1000	12.0		20.0			

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GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1 Analy Batch No.: 557456

SDG No.:

Instrument ID: 9137 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/30/2024 22:30 Calibration End Date: 10/01/2024 00:40 Calibration ID: 66268

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								
Cyclohexanone	0.2542 0.2614	0.2700 0.2587	0.2570	0.2673	0.2712	Ave		0.2628				2.5		20.0			
1,1,2,2-Tetrachloroethane	1.0676 1.1518	1.1531 1.0550	1.1942	1.1299	1.2170	Ave		1.1384			0.3000	5.3		20.0			
Bromobenzene	0.7591 0.7809	0.7154 0.7446	0.8195	0.7703	0.8517	Ave		0.7774				5.9		20.0			
trans-1,4-Dichloro-2-butene	0.2702 0.3097	0.2888 0.2960	0.3132	0.2983	0.3265	Ave		0.3004				6.1		20.0			
1,2,3-Trichloropropane	0.3353 0.3522	0.3485 0.3245	0.3777	0.3654	0.3793	Ave		0.3547				5.9		20.0			
N-Propylbenzene	2.8743 3.7813	3.4230 3.3078	4.0536	3.6886	4.1303	Ave		3.6084				12.2		20.0			
2-Chlorotoluene	0.6523 0.8173	0.7404 0.7623	0.8958	0.8025	0.8755	Ave		0.7923				10.5		20.0			
1,3,5-Trimethylbenzene	2.0835 2.8469	2.4675 2.6209	2.9081	2.6975	3.0893	Ave		2.6734				12.3		20.0			
4-Chlorotoluene	0.6000 0.7824	0.7029 0.7395	0.8384	0.7760	0.8501	Ave		0.7556				11.4		20.0			
tert-Butylbenzene	0.3485 0.5600	0.4496 0.5383	0.5419	0.4993	0.5841	Ave		0.5031				16.1		20.0			
1,2,4-Trimethylbenzene	2.1748 2.9338	2.5497 2.6553	3.0350	2.8601	3.1807	Ave		2.7699				12.2		20.0			
sec-Butylbenzene	2.2855 3.5493	3.0341 3.1628	3.5780	3.2248	3.7815	Ave		3.2309				15.3		20.0			
1,3-Dichlorobenzene	1.2910 1.4878	1.3513 1.3698	1.5725	1.4642	1.6079	Ave		1.4492			0.6000	8.1		20.0			
p-Isopropyltoluene	2.0643 3.1302	2.5948 2.8092	3.1473	2.8823	3.3481	Ave		2.8537				15.0		20.0			
1,4-Dichlorobenzene	1.3417 1.4963	1.4038 1.3986	1.6236	1.4980	1.6311	Ave		1.4847			0.5000	7.6		20.0			
1,2,3-Trimethylbenzene	2.4812 3.1347	2.7518 2.8658	3.2260	3.0445	3.3617	Ave		2.9808				10.1		20.0			
Benzyl chloride	1.8758 2.3735	2.0664 2.1676	2.3025	2.2695	2.4755	Ave		2.2187				9.1		20.0			

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SDG No.:

Instrument ID: 9137 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/30/2024 22:30 Calibration End Date: 10/01/2024 00:40 Calibration ID: 66268

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								
1,3-Diethylbenzene	1.2587 1.7950	1.4899 1.6356	1.8150	1.6958	1.9246	Ave		1.6592				13.6		20.0			
1,4-Diethylbenzene	1.2730 1.8817	1.6161 1.6924	1.9314	1.7704	2.0259	Ave		1.7415				14.4		20.0			
n-Butylbenzene	0.9142 1.4757	1.2705 1.3206	1.5000	1.3612	1.5813	Ave		1.3462				16.3		20.0			
1,2-Dichlorobenzene	1.3356 1.5900	1.4878 1.4406	1.6849	1.5807	1.7053	Ave		1.5464			0.4000	8.6		20.0			
1,2-Diethylbenzene	1.0418 1.5381	1.2611 1.4308	1.5456	1.4264	1.6287	Ave		1.4103				14.2		20.0			
1,2-Dibromo-3-Chloropropane	0.2983 0.3562	0.3312 0.3326	0.3588	0.3313	0.3652	Ave		0.3391			0.0500	6.8		20.0			
1,3,5-Trichlorobenzene	0.8489 1.1580	1.0164 1.0456	1.1767	1.1257	1.2298	Ave		1.0859				11.8		20.0			
1,2,4-Trichlorobenzene	0.9361 1.1525	1.0656 1.0346	1.1749	1.1338	1.2238	Ave		1.1030			0.2000	8.8		20.0			
2-Ethylhexyl acrylate	0.8423 1.1173	0.9814 0.9923	1.0037	1.0646	1.1746	Ave		1.0252				10.5		20.0			
Hexachlorobutadiene	0.2631 0.4029	0.3327 0.3665	0.4017	0.3495	0.4215	Ave		0.3626				14.9		20.0			
Naphthalene	4.0948 4.8426	4.6515 4.0258	5.0975	4.8859	5.2342	Ave		4.6903				10.0		20.0			
1,2,3-Trichlorobenzene	0.9557 1.1929	1.1001 1.0615	1.2301	1.1837	1.2733	Ave		1.1424				9.6		20.0			
2-Methylnaphthalene	1.8241 2.4798	2.0539 2.1178	2.3708	2.3556	2.5934	Ave		2.2565				11.9		20.0			
Dibromofluoromethane (Surr)	0.2420 0.2358	0.2447 0.2345	0.2440	0.2406	0.2396	Ave		0.2402				1.6		20.0			
1,2-Dichloroethane-d4 (Surr)	0.0633 0.0622	0.0630 0.0625	0.0643	0.0613	0.0620	Ave		0.0627				1.5		20.0			
Toluene-d8 (Surr)	1.3262 1.3265	1.3336 1.2990	1.3175	1.3267	1.3128	Ave		1.3203				0.9		20.0			
4-Bromofluorobenzene (Surr)	0.5011 0.4906	0.5097 0.4768	0.5032	0.5029	0.4898	Ave		0.4963				2.3		20.0			

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FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC | Job No.: 410-190105-1 | Analy Batch No.: 557456

SDG No.:

Instrument ID: 9137 | GC Column: R-624SilMS ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 09/30/2024 22:30 | Calibration End Date: 10/01/2024 00:40 | Calibration ID: 66268

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-557456/12	WS30X11.D
Level 2	IC 410-557456/13	WS30X12.D
Level 3	IC 410-557456/14	WS30X13.D
Level 4	IC 410-557456/15	WS30X14.D
Level 5	ICIS 410-557456/16	WS30X15.D
Level 6	IC 410-557456/17	WS30X16.D
Level 7	IC 410-557456/18	WS30X17.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	8885 1215566	49967 3522573	126241	244193	631663	1.00 100	4.00 300	10.0	20.0	50.0
Chloromethane	FB	Ave	11925 1091227	47887 3139822	113914	231020	562489	1.00 100	4.00 300	10.0	20.0	50.0
Vinyl chloride	FB	Ave	9351 1121083	49275 3247567	116935	233897	583066	1.00 100	4.00 300	10.0	20.0	50.0
1,3-Butadiene	FB	Ave	9013 1116534	51061 3280146	122330	235313	602098	1.00 100	4.00 300	10.0	20.0	50.0
Bromomethane	FB	Ave	7767 788498	33762 2272915	81395	168162	395486	1.00 100	4.00 300	10.0	20.0	50.0
Chloroethane	FB	Ave	5006 557286	24048 1618220	58871	117820	287114	1.00 100	4.00 300	10.0	20.0	50.0
Dichlorofluoromethane	FB	Ave	15401 1689772	71911 4854327	173341	353465	858850	1.00 100	4.00 300	10.0	20.0	50.0
Trichlorofluoromethane	FB	Ave	10641 1378198	56907 4073951	142005	283590	715831	1.00 100	4.00 300	10.0	20.0	50.0
n-Pentane	FB	Ave	10441 944815	33660 2948689	100293	172064	513440	1.00 100	4.00 300	10.0	20.0	50.0
Ethanol	TBAd10	Ave	4327 221490	20737 618576	45071	86025	107553	62.5 2500	250 7500	500	1000	1250
Freon 123a	FB	Ave	7484 804766	35274 2378469	83890	167102	424446	1.00 100	4.00 300	10.0	20.0	50.0
Acrolein	TBAd10	Ave	16083 1837909	60965 6173901	156978	327825	908029	10.0 1002	40.1 3006	100	200	501
1,1-Dichloroethene	FB	Ave	4092 556071	20789 1699230	63084	110203	300766	1.00 100	4.00 300	10.0	20.0	50.0
Freon 113	FB	Ave	4433 722309	24183 2144426	79266	129974	392257	1.00 100	4.00 300	10.0	20.0	50.0

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Instrument ID: 9137 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/30/2024 22:30 Calibration End Date: 10/01/2024 00:40 Calibration ID: 66268

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Acetone	TBAd10	Ave	1728 216846	7976 671324	20209	39936	112579	2.00 200	8.00 600	20.0	40.0	100
Methyl iodide	FB	Ave	8810 1123749	41553 3367910	125675	223164	602414	1.00 100	4.00 300	10.0	20.0	50.0
2-Propanol	TBAd10	Ave	6257 514901	23613 1441057	52024	100468	216098	5.00 500	20.0 1500	50.0	100	250
Carbon disulfide	FB	Ave	14300 1965619	71627 6020548	218250	375072	1052311	1.00 100	4.00 300	10.0	20.0	50.0
Methyl acetate	FB	Ave	8976 642933	31556 1860715	67710	127789	319591	1.00 100	4.00 300	10.0	20.0	50.0
Allyl chloride	FB	Ave	7551 781807	30288 2310838	89626	158260	412294	1.00 100	4.00 300	10.0	20.0	50.0
Methylene Chloride	FB	Ave	5839 615161	24618 1857157	69936	125972	329895	1.00 100	4.00 300	10.0	20.0	50.0
t-Butyl alcohol	TBAd10	Ave	6891 715990	27936 2456120	89432	138852	357369	5.00 500	20.0 1500	50.0	100	250
Acrylonitrile	FB	Ave	8658 921930	37953 2674629	101537	185025	461493	2.50 250	10.0 750	25.0	50.0	125
trans-1,2-Dichloroethene	FB	Ave	4738 521986	19216 1523172	59156	104169	279840	1.00 100	4.00 300	10.0	20.0	50.0
Methyl tert-butyl ether	FB	Ave	18292 1923316	75877 5537585	213445	390679	982792	1.00 100	4.00 300	10.0	20.0	50.0
n-Hexane	FB	Ave	4431 720430	23501 2053991	77863	129999	386643	1.00 100	4.00 300	10.0	20.0	50.0
1,1-Dichloroethane	FB	Ave	7202 893090	35201 2601096	100808	180135	478304	1.00 100	4.00 300	10.0	20.0	50.0
Isopropyl ether	FB	Ave	16798 1736327	65501 5110059	188857	341836	896028	1.00 100	4.00 300	10.0	20.0	50.0
2-Chloro-1,3-butadiene	FB	Ave	7116 816717	30092 2340952	91267	157987	432569	1.00 100	4.00 300	10.0	20.0	50.0
Ethyl t-butyl ether	FB	Ave	16793 1852385	71692 5478466	201167	367803	950862	1.00 100	4.00 300	10.0	20.0	50.0
2-Butanone (MEK)	FB	Ave	11637 957170	39537 2973408	98336	184425	485120	2.00 200	8.00 600	20.0	40.0	100
cis-1,2-Dichloroethene	FB	Ave	5367 593010	22707 1722918	68285	118947	314959	1.00 100	4.00 300	10.0	20.0	50.0
2,2-Dichloropropane	FB	Ave	7520 1001457	36706 2982941	111864	190346	521021	1.00 100	4.00 300	10.0	20.0	50.0

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ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Propionitrile	TBAd10	Ave	7617 864732	32479 2581349	91611	159836	430222	5.00 500	20.0 1500	50.0	100	250
Methyl acrylate	FB	Ave	9034 881834	33234 2626394	88897	176370	450638	1.00 100	4.00 300	10.0	20.0	50.0
Methacrylonitrile	FB	Ave	8993 903339	35367 2673121	98585	178605	461032	2.50 250	10.0 750	25.0	50.0	125
Bromochloromethane	FB	Ave	2884 309141	12754 890615	33775	61619	158304	1.00 100	4.00 300	10.0	20.0	50.0
Tetrahydrofuran	TBAd10	Ave	6838 738753	28732 2182361	78310	143535	376066	5.00 500	20.0 1500	50.0	100	250
Chloroform	FB	Ave	7169 884208	34987 2536121	98503	179713	467281	1.00 100	4.00 300	10.0	20.0	50.0
1,1,1-Trichloroethane	FB	Ave	7233 977492	33792 2918030	104690	186755	511785	1.00 100	4.00 300	10.0	20.0	50.0
Cyclohexane	FB	Ave	8096 1191765	39374 3556712	127379	212304	626166	1.00 100	4.00 300	10.0	20.0	50.0
Carbon tetrachloride	FB	Ave	5466 845720	28084 2568259	86163	151629	439100	1.00 100	4.00 300	10.0	20.0	50.0
1,1-Dichloropropene	FB	Ave	6255 794634	29769 2303777	86728	152659	423183	1.00 100	4.00 300	10.0	20.0	50.0
Isobutyl alcohol	TBAd10	Ave	7382 622404	23327 1788436	64417	115447	290478	12.5 1250	50.0 3750	125	250	625
Benzene	FB	Ave	19910 2224835	83179 6407225	249581	443155	1170854	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Dichloroethane	FB	Ave	7019 684833	26912 2008681	75882	136665	357436	1.00 100	4.00 300	10.0	20.0	50.0
t-Amyl methyl ether	FB	Ave	16258 1839802	69089 5518693	194635	358722	941751	1.00 100	4.00 300	10.0	20.0	50.0
n-Heptane	FB	Ave	4824 630202	22004 1796185	67007	110058	324671	1.00 100	4.00 300	10.0	20.0	50.0
n-Butanol	TBAd10	Ave	4016 509359	18014 1451583	47770	89073	236256	12.5 1250	50.0 3750	125	250	625
Trichloroethene	FB	Ave	5031 597517	22687 1755481	65782	114827	313360	1.00 100	4.00 300	10.0	20.0	50.0
Ethyl acrylate	FB	Ave	9428 918002	34587 2818261	90502	179441	460511	1.000 100.0	4.00 300	10.00	20.0	50.0
Methylcyclohexane	FB	Ave	6746	35068	117677	192677	588915	1.00	4.00	10.0	20.0	50.0

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			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
			1149551	3438038				100	300			
1,2-Dichloropropane	FB	Ave	4727 576677	20433 1718769	62997	113266	298526	1.00 100	4.00 300	10.0	20.0	50.0
t-Amyl ethyl ether	FB	Ave	7130 895864	31542 2857356	93842	168579	453463	1.00 100	4.00 300	10.0	20.0	50.0
Methyl methacrylate	FB	Ave	4732 543827	21254 1655738	58021	106423	271635	1.00 100	4.00 300	10.0	20.0	50.0
1,4-Dioxane	TBAd10	Ave	+++++ 132568	5039 384151	14715	25645	66023	+++++ 1250	50.0 3750	125	250	625
Dibromomethane	FB	Ave	3229 386770	14498 1161301	40791	76226	201450	1.00 100	4.00 300	10.0	20.0	50.0
Bromodichloromethane	FB	Ave	5273 685812	23230 2085747	70112	128768	344935	1.00 100	4.00 300	10.0	20.0	50.0
2-Nitropropane	TBAd10	Ave	11938 1241818	42962 3787251	121162	225257	623712	5.00 500	20.0 1500	50.0	100	250
2-Chloroethyl vinyl ether	FB	Ave	3283 416555	14573 1307473	40951	80181	208384	1.00 100	4.00 300	10.0	20.0	50.0
cis-1,3-Dichloropropene	FB	Ave	7791 899920	30364 2814866	90713	168580	454848	1.00 100	4.00 300	10.0	20.0	50.0
4-Methyl-2-pentanone (MIBK)	FB	Ave	18881 1940441	70152 5801515	195055	376731	1004649	2.00 200	8.00 600	20.0	40.0	100
Toluene	CBZd5	Ave	12186 1440511	50575 4337072	155402	280084	745106	1.00 100	4.00 300	10.0	20.0	50.0
trans-1,3-Dichloropropene	CBZd5	Ave	7023 822448	28466 2583759	82450	153062	408566	1.00 100	4.00 300	10.0	20.0	50.0
Ethyl methacrylate	CBZd5	Ave	8602 959382	35213 2860002	101270	186129	494123	1.00 100	4.00 300	10.0	20.0	50.0
1,1,2-Trichloroethane	CBZd5	Ave	5114 533449	19494 1619718	56809	106443	272842	1.00 100	4.00 300	10.0	20.0	50.0
Tetrachloroethene	CBZd5	Ave	4170 613991	21047 1865855	67278	116351	319313	1.00 100	4.00 300	10.0	20.0	50.0
1,3-Dichloropropane	CBZd5	Ave	8074 886682	32833 2726047	93895	170065	449913	1.00 100	4.00 300	10.0	20.0	50.0
2-Hexanone	CBZd5	Ave	15935 1323974	51087 4028380	131400	261431	680130	2.00 200	8.00 600	20.0	40.0	100
Dibromochloromethane	CBZd5	Ave	4528 590601	18182 1886831	55738	105190	291011	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Dibromoethane (EDB)	CBZd5	Ave	5291 590317	20866 1813069	61637	113870	296908	1.00 100	4.00 300	10.0	20.0	50.0

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ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1-Chlorohexane	CBZd5	Ave	6478 794876	27284 2343693	84471	147283	409587	1.00 100	4.00 300	10.0	20.0	50.0
Chlorobenzene	CBZd5	Ave	13442 1637827	56603 4990695	176291	314129	854128	1.00 100	4.00 300	10.0	20.0	50.0
1,1,1,2-Tetrachloroethane	CBZd5	Ave	4733 647972	20328 1956719	64569	121473	328233	1.00 100	4.00 300	10.0	20.0	50.0
Ethylbenzene	CBZd5	Ave	23126 2938056	100975 8558117	320655	568033	1524986	1.00 100	4.00 300	10.0	20.0	50.0
m&p-Xylene	CBZd5	Ave	17932 2344626	80311 6903101	249947	445831	1212604	2.00 200	8.00 600	20.0	40.0	100
n-Butyl acrylate	CBZd5	Ave	12593 1365568	51718 3969813	137719	271854	684286	1.00 100	4.00 300	10.0	20.0	50.0
o-Xylene	CBZd5	Ave	9065 1221332	42382 3618857	130757	237351	634165	1.00 100	4.00 300	10.0	20.0	50.0
Styrene	CBZd5	Ave	14944 1869239	62596 5558937	196140	362328	955508	1.00 100	4.00 300	10.0	20.0	50.0
Bromoform	CBZd5	Ave	3234 466701	14049 1459378	43534	82064	227330	1.00 100	4.00 300	10.0	20.0	50.0
Isopropylbenzene	CBZd5	Ave	20116 2860914	94923 8131962	299366	532286	1469615	1.00 100	4.00 300	10.0	20.0	50.0
Cyclohexanone	TBAd10	Ave	16558 466038	67296 1438500	87206	174668	224855	50.0 1250	200 3750	250	500	625
1,1,2,2-Tetrachloroethane	DCBd4	Ave	9401 1067201	40162 3088601	110447	204947	532444	1.00 100	4.00 300	10.0	20.0	50.0
Bromobenzene	DCBd4	Ave	6684 723503	24919 2179824	75799	139723	372621	1.00 100	4.00 300	10.0	20.0	50.0
trans-1,4-Dichloro-2-butene	DCBd4	Ave	5947 717389	25146 2166819	72427	135245	357093	2.50 250	10.0 750	25.0	50.0	125
1,2,3-Trichloropropane	DCBd4	Ave	2952 326285	12139 950110	34933	66284	165960	1.00 100	4.00 300	10.0	20.0	50.0
N-Propylbenzene	DCBd4	Ave	25309 3503534	119225 9684362	374909	669028	1807071	1.00 100	4.00 300	10.0	20.0	50.0
2-Chlorotoluene	DCBd4	Ave	5744 757249	25788 2231903	82848	145549	383026	1.00 100	4.00 300	10.0	20.0	50.0
1,3,5-Trimethylbenzene	DCBd4	Ave	18346 2637790	85943 7673349	268965	489273	1351601	1.00 100	4.00 300	10.0	20.0	50.0
4-Chlorotoluene	DCBd4	Ave	5283 724903	24481 2164998	77545	140752	371921	1.00 100	4.00 300	10.0	20.0	50.0
tert-Butylbenzene	DCBd4	Ave	3069	15660	50116	90555	255538	1.00	4.00	10.0	20.0	50.0

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			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
			518910	1575883				100	300			
1,2,4-Trimethylbenzene	DCBd4	Ave	19150 2718328	88805 7773955	280702	518755	1391606	1.00 100	4.00 300	10.0	20.0	50.0
sec-Butylbenzene	DCBd4	Ave	20125 3288624	105678 9259856	330925	584906	1654457	1.00 100	4.00 300	10.0	20.0	50.0
1,3-Dichlorobenzene	DCBd4	Ave	11368 1378548	47067 4010251	145435	265570	703470	1.00 100	4.00 300	10.0	20.0	50.0
p-Isopropyltoluene	DCBd4	Ave	18177 2900268	90378 8224615	291088	522782	1464846	1.00 100	4.00 300	10.0	20.0	50.0
1,4-Dichlorobenzene	DCBd4	Ave	11814 1386400	48894 4094751	150165	271695	713643	1.00 100	4.00 300	10.0	20.0	50.0
1,2,3-Trimethylbenzene	DCBd4	Ave	21848 2904467	95846 8390256	298365	552194	1470812	1.00 100	4.00 300	10.0	20.0	50.0
Benzyl chloride	DCBd4	Ave	16517 2199137	71974 6346218	212954	411643	1083073	1.00 100	4.00 300	10.0	20.0	50.0
1,3-Diethylbenzene	DCBd4	Ave	11083 1663119	51893 4788548	167868	307584	842062	1.00 100	4.00 300	10.0	20.0	50.0
1,4-Diethylbenzene	DCBd4	Ave	11209 1743446	56290 4954742	178630	321104	886382	1.00 100	4.00 300	10.0	20.0	50.0
n-Butylbenzene	DCBd4	Ave	8050 1367294	44251 3866426	138735	246884	691864	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Dichlorobenzene	DCBd4	Ave	11760 1473177	51820 4217709	155838	286694	746109	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Diethylbenzene	DCBd4	Ave	9173 1425142	43925 4188985	142947	258709	712566	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Dibromo-3-Chloropropane	DCBd4	Ave	2627 330071	11537 973704	33185	60083	159791	1.00 100	4.00 300	10.0	20.0	50.0
1,3,5-Trichlorobenzene	DCBd4	Ave	7475 1072941	35402 3061215	108834	204171	538079	1.00 100	4.00 300	10.0	20.0	50.0
1,2,4-Trichlorobenzene	DCBd4	Ave	8243 1067878	37115 3028990	108661	205643	535424	1.00 100	4.00 300	10.0	20.0	50.0
2-Ethylhexyl acrylate	DCBd4	Ave	7417 1035318	34183 2905401	92836	193099	513944	1.00 100	4.00 300	10.0	20.0	50.0
Hexachlorobutadiene	DCBd4	Ave	2317 373296	11589 1072980	37150	63391	184404	1.00 100	4.00 300	10.0	20.0	50.0
Naphthalene	DCBd4	Ave	36056 4486888	162013 11786376	471458	886191	2290063	1.00 100	4.00 300	10.0	20.0	50.0
1,2,3-Trichlorobenzene	DCBd4	Ave	8415 1105252	38315 3107647	113766	214692	557108	1.00 100	4.00 300	10.0	20.0	50.0
2-Methylnaphthalene	DCBd4	Ave	16062	71537	219275	427257	1134637	1.00	4.00	10.0	20.0	50.0

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Instrument ID: 9137 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/30/2024 22:30 Calibration End Date: 10/01/2024 00:40 Calibration ID: 66268

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
			2297642	6200248				100	300			
Dibromofluoromethane (Surr)	FB	Ave	247471 251245	244354 256323	260285	256027	246198	50.0 50.0	50.0 50.0	50.0	50.0	50.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	64693 66229	62968 68364	68561	65251	63729	50.0 50.0	50.0 50.0	50.0	50.0	50.0
Toluene-d8 (Surr)	CBZd5	Ave	1013715 1085197	990351 1159258	1057709	1055634	1029795	50.0 50.0	50.0 50.0	50.0	50.0	50.0
4-Bromofluorobenzene (Surr)	CBZd5	Ave	383022 401370	378527 425534	403973	400112	384224	50.0 50.0	50.0 50.0	50.0	50.0	50.0

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.: 410-190105-1 Analy Batch No.: 557456

SDG No.:

Instrument ID: 9137 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/30/2024 22:30 Calibration End Date: 10/01/2024 00:40 Calibration ID: 66268

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-557456/12	WS30X11.D
Level 2	IC 410-557456/13	WS30X12.D
Level 3	IC 410-557456/14	WS30X13.D
Level 4	IC 410-557456/15	WS30X14.D
Level 5	ICIS 410-557456/16	WS30X15.D
Level 6	IC 410-557456/17	WS30X16.D
Level 7	IC 410-557456/18	WS30X17.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	-23.0 -4.8	10.9	4.9	1.7	9.0	1.1	50 30	30	30	30	30	30
Chloromethane	7.5 -11.8	10.5	-1.6	0.0	0.9	-5.6	50 30	30	30	30	30	30
Vinyl chloride	-14.9 -7.8	14.8	2.0	2.3	5.6	-2.1	50 30	30	30	30	30	30
1,3-Butadiene	-19.1 -8.3	17.2	5.2	1.4	7.5	-3.9	50 30	30	30	30	30	30
Bromomethane	-0.8 -9.5	10.4	-0.4	3.2	0.5	-3.4	50 30	30	30	30	30	30
Chloroethane	-9.1 -8.4	11.7	2.4	2.7	3.7	-3.0	50 30	30	30	30	30	30
Dichlorofluoromethane	-6.9 -8.6	11.2	0.4	2.6	3.3	-2.0	50 30	30	30	30	30	30
Trichlorofluoromethane	-19.6 -4.0	10.1	2.9	3.0	7.7	0.0	50 30	30	30	30	30	30
n-Pentane	11.7 -1.6	-7.8	2.9	-11.5	9.4	-3.0	50 30	30	30	30	30	30
Ethanol	-14.4 -10.4	7.2	7.0	6.0	4.5	0.1	50 30	30	30	30	30	30
Freon 123a	-6.7 -7.6	12.5	0.2	0.0	5.3	-3.8	50 30	30	30	30	30	30
Acrolein	-3.0 9.0	-4.0	-9.2	-1.5	7.5	1.2	50 30	30	30	30	30	30
1,1-Dichloroethene	-23.4 -0.8	-0.3	13.3	-0.8	12.1	-0.1	50 30	30	30	30	30	30
Freon 113	-32.4 2.0	-5.6	15.9	-4.8	19.1	5.7	50 30	30	30	30	30	30
Acetone	-13.0 -1.0	5.0	-2.3	0.2	11.3	-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.: 410-190105-1 Analy Batch No.: 557456

SDG No.:

Instrument ID: 9137 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/30/2024 22:30 Calibration End Date: 10/01/2024 00:40 Calibration ID: 66268

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Methyl iodide	-18.3 -2.6	-1.4	11.7	-0.6	11.2	0.0	50 30	30	30	30	30	30
2-Propanol	23.1 -17.0	21.4	-1.8	-1.5	-16.5	-7.5	50 30	30	30	30	30	30
Carbon disulfide	-23.1 0.9	-1.4	12.5	-3.1	12.7	1.4	50 30	30	30	30	30	30
Methyl acetate	30.9 -15.4	17.8	-5.4	-10.5	-7.3	-10.1	50 30	30	30	30	30	30
Allyl chloride	-2.9 -7.3	-0.3	10.5	-2.2	5.6	-3.5	50 30	30	30	30	30	30
Methylene Chloride	-5.3 -6.1	2.2	8.7	-1.8	6.5	-4.2	50 30	30	30	30	30	30
t-Butyl alcohol	-4.4 -0.2	1.3	19.1	-4.0	-2.6	-9.2	50 30	30	30	30	30	30
Acrylonitrile	-4.3 -7.9	7.3	7.5	-1.8	1.5	-2.3	50 30	30	30	30	30	30
trans-1,2-Dichloroethene	-7.0 -6.8	-3.4	11.3	-1.8	9.3	-1.7	50 30	30	30	30	30	30
Methyl tert-butyl ether	-3.2 -8.6	2.8	8.3	-0.6	3.6	-2.3	50 30	30	30	30	30	30
n-Hexane	-31.3 -0.8	-6.8	15.7	-3.2	19.3	7.1	50 30	30	30	30	30	30
1,1-Dichloroethane	-17.0 -6.5	3.9	11.4	-0.3	9.7	-1.2	50 30	30	30	30	30	30
Isopropyl ether	-0.8 -5.9	-1.0	6.9	-3.0	5.3	-1.6	50 30	30	30	30	30	30
2-Chloro-1,3-butadiene	-9.3 -6.9	-1.8	11.5	-3.2	9.8	-0.1	50 30	30	30	30	30	30
Ethyl t-butyl ether	-6.6 -5.0	2.0	7.2	-1.7	5.2	-1.2	50 30	30	30	30	30	30
2-Butanone (MEK)	19.5 -4.8	3.9	-3.2	-9.0	-0.8	-5.7	50 30	30	30	30	30	30
cis-1,2-Dichloroethene	-7.8 -7.8	-0.2	12.4	-1.9	7.6	-2.3	50 30	30	30	30	30	30
2,2-Dichloropropane	-20.3 -1.5	-0.4	13.6	-3.1	9.9	1.8	50 30	30	30	30	30	30
Propionitrile	-6.1 -6.8	4.7	8.4	-1.8	4.2	-2.6	50 30	30	30	30	30	30
Methyl acrylate	5.1 -4.7	-1.0	-0.8	-1.4	4.4	-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.: 410-190105-1 Analy Batch No.: 557456

SDG No.:

Instrument ID: 9137 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/30/2024 22:30 Calibration End Date: 10/01/2024 00:40 Calibration ID: 66268

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
Methacrylonitrile	1.1 -6.3	1.8	6.3	-3.5	3.2	-2.5	50 30	30	30	30	30	30
Bromochloromethane	-4.9 -8.5	7.6	6.7	-2.4	3.8	-2.2	50 30	30	30	30	30	30
Tetrahydrofuran	-3.4 -9.7	6.1	6.2	1.1	4.4	-4.6	50 30	30	30	30	30	30
Chloroform	-16.2 -7.6	4.7	10.4	0.9	8.7	-0.8	50 30	30	30	30	30	30
1,1,1-Trichloroethane	-20.3 0.2	-4.7	10.5	-1.2	12.2	3.3	50 30	30	30	30	30	30
Cyclohexane	-25.0 2.7	-6.6	13.1	-5.5	15.4	5.9	50 30	30	30	30	30	30
Carbon tetrachloride	-27.9 5.6	-5.2	9.0	-3.9	15.3	7.1	50 30	30	30	30	30	30
1,1-Dichloropropene	-17.0 -4.7	1.1	10.3	-2.7	11.8	1.2	50 30	30	30	30	30	30
Isobutyl alcohol	22.9 -12.8	1.5	2.9	-4.2	-5.0	-5.3	50 30	30	30	30	30	30
Benzene	-7.7 -7.4	-1.3	10.9	-1.3	8.0	-1.1	50 30	30	30	30	30	30
1,2-Dichloroethane	3.0 -8.1	1.1	6.8	-3.6	4.4	-3.6	50 30	30	30	30	30	30
t-Amyl methyl ether	-7.8 -2.4	0.3	5.8	-2.3	6.3	0.1	50 30	30	30	30	30	30
n-Heptane	-16.2 -2.7	-2.1	11.6	-8.1	12.3	5.1	50 30	30	30	30	30	30
n-Butanol	-10.2 -4.9	5.3	2.6	-0.7	3.8	4.1	50 30	30	30	30	30	30
Trichloroethene	-12.2 -4.5	1.4	10.1	-3.7	8.9	0.1	50 30	30	30	30	30	30
Ethyl acrylate	5.9 -1.3	-0.6	-2.6	-3.2	2.9	-1.1	50 30	30	30	30	30	30
Methylcyclohexane	-32.3 7.6	-9.9	13.2	-7.1	17.7	10.7	50 30	30	30	30	30	30
1,2-Dichloropropane	-13.5 -2.0	-4.3	10.4	-0.5	8.7	1.2	50 30	30	30	30	30	30
t-Amyl ethyl ether	-15.2 6.0	-3.9	7.0	-3.6	7.4	2.3	50 30	30	30	30	30	30
Methyl methacrylate	-9.6 -1.4	4.0	6.3	-2.3	3.3	-0.3	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1 Analy Batch No.: 557456

SDG No.:

Instrument ID: 9137 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/30/2024 22:30 Calibration End Date: 10/01/2024 00:40 Calibration ID: 66268

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
1,4-Dioxane	+++++ -11.7	3.4	10.9	0.4	1.8	-4.9	30	50	30	30	30	30
Dibromomethane	-12.6 -2.0	0.5	5.9	-0.9	8.6	0.5	50 30	30	30	30	30	30
Bromodichloromethane	-16.2 3.3	-5.6	6.7	-1.8	9.0	4.5	50 30	30	30	30	30	30
2-Nitropropane	3.6 -3.8	-2.6	0.9	-2.6	6.2	-1.6	50 30	30	30	30	30	30
2-Chloroethyl vinyl ether	-14.9 5.6	-3.3	1.7	-0.2	7.5	3.6	50 30	30	30	30	30	30
cis-1,3-Dichloropropene	-7.3 4.4	-7.5	3.5	-3.6	7.7	2.8	50 30	30	30	30	30	30
4-Methyl-2-pentanone (MIBK)	1.4 -2.9	-3.6	0.4	-2.8	7.4	0.0	50 30	30	30	30	30	30
Toluene	-9.1 -7.6	-2.9	10.4	0.4	8.4	0.4	50 30	30	30	30	30	30
trans-1,3-Dichloropropene	-6.5 -1.8	-2.5	4.5	-2.1	6.0	2.3	50 30	30	30	30	30	30
Ethyl methacrylate	-4.4 -9.3	0.7	7.1	-0.7	7.0	-0.4	50 30	30	30	30	30	30
1,1,2-Trichloroethane	0.6 -9.0	-1.3	6.4	0.6	4.6	-1.9	50 30	30	30	30	30	30
Tetrachloroethene	-24.9 -4.1	-2.5	15.4	0.7	12.1	3.3	50 30	30	30	30	30	30
1,3-Dichloropropane	-3.3 -6.8	1.2	7.0	-2.2	5.0	-0.8	50 30	30	30	30	30	30
2-Hexanone	22.2 -11.8	0.8	-4.1	-3.7	1.7	-5.1	50 30	30	30	30	30	30
Dibromochloromethane	-12.3 4.3	-9.4	2.8	-2.1	9.8	6.9	50 30	30	30	30	30	30
1,2-Dibromoethane (EDB)	-3.7 -5.8	-2.3	6.8	-0.5	5.3	0.3	50 30	30	30	30	30	30
1-Chlorohexane	-10.6 -7.6	-3.1	11.0	-2.4	10.2	2.5	50 30	30	30	30	30	30
Chlorobenzene	-11.3 -6.0	-3.9	10.8	-0.4	9.8	1.0	50 30	30	30	30	30	30
1,1,1,2-Tetrachloroethane	-17.1 -2.2	-8.4	7.6	2.2	12.0	6.0	50 30	30	30	30	30	30
Ethylbenzene	-14.1 -9.3	-3.5	13.4	1.3	10.3	1.9	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.: 410-190105-1 Analy Batch No.: 557456

SDG No.:

Instrument ID: 9137 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/30/2024 22:30 Calibration End Date: 10/01/2024 00:40 Calibration ID: 66268

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
m&p-Xylene	-15.8 -7.4	-2.9	11.8	0.6	11.0	2.9	50 30	30	30	30	30	30
n-Butyl acrylate	-1.5 -11.4	4.1	2.6	2.1	4.3	-0.2	50 30	30	30	30	30	30
o-Xylene	-18.6 -7.2	-2.0	11.8	2.4	11.0	2.5	50 30	30	30	30	30	30
Styrene	-12.2 -6.7	-5.3	9.8	2.3	9.5	2.7	50 30	30	30	30	30	30
Bromoform	-18.8 4.6	-9.3	4.0	-1.1	11.2	9.4	50 30	30	30	30	30	30
Isopropylbenzene	-20.5 -8.3	-3.5	12.6	1.0	13.1	5.6	50 30	30	30	30	30	30
Cyclohexanone	-3.3 -1.6	2.7	-2.2	1.7	3.2	-0.5	50 30	30	30	30	30	30
1,1,2,2-Tetrachloroethane	-6.2 -7.3	1.3	4.9	-0.7	6.9	1.2	50 30	30	30	30	30	30
Bromobenzene	-2.4 -4.2	-8.0	5.4	-0.9	9.6	0.5	50 30	30	30	30	30	30
trans-1,4-Dichloro-2-butene	-10.1 -1.4	-3.9	4.3	-0.7	8.7	3.1	50 30	30	30	30	30	30
1,2,3-Trichloropropane	-5.5 -8.5	-1.7	6.5	3.0	6.9	-0.7	50 30	30	30	30	30	30
N-Propylbenzene	-20.3 -8.3	-5.1	12.3	2.2	14.5	4.8	50 30	30	30	30	30	30
2-Chlorotoluene	-17.7 -3.8	-6.6	13.1	1.3	10.5	3.2	50 30	30	30	30	30	30
1,3,5-Trimethylbenzene	-22.1 -2.0	-7.7	8.8	0.9	15.6	6.5	50 30	30	30	30	30	30
4-Chlorotoluene	-20.6 -2.1	-7.0	11.0	2.7	12.5	3.5	50 30	30	30	30	30	30
tert-Butylbenzene	-30.7 7.0	-10.6	7.7	-0.8	16.1	11.3	50 30	30	30	30	30	30
1,2,4-Trimethylbenzene	-21.5 -4.1	-8.0	9.6	3.3	14.8	5.9	50 30	30	30	30	30	30
sec-Butylbenzene	-29.3 -2.1	-6.1	10.7	-0.2	17.0	9.9	50 30	30	30	30	30	30
1,3-Dichlorobenzene	-10.9 -5.5	-6.8	8.5	1.0	10.9	2.7	50 30	30	30	30	30	30
p-Isopropyltoluene	-27.7 -1.6	-9.1	10.3	1.0	17.3	9.7	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1 Analy Batch No.: 557456

SDG No.:

Instrument ID: 9137 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/30/2024 22:30 Calibration End Date: 10/01/2024 00:40 Calibration ID: 66268

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
1,4-Dichlorobenzene	-9.6 -5.8	-5.5	9.4	0.9	9.9	0.8	50 30	30	30	30	30	30
1,2,3-Trimethylbenzene	-16.8 -3.9	-7.7	8.2	2.1	12.8	5.2	50 30	30	30	30	30	30
Benzyl chloride	-15.5 -2.3	-6.9	3.8	2.3	11.6	7.0	50 30	30	30	30	30	30
1,3-Diethylbenzene	-24.1 -1.4	-10.2	9.4	2.2	16.0	8.2	50 30	30	30	30	30	30
1,4-Diethylbenzene	-26.9 -2.8	-7.2	10.9	1.7	16.3	8.0	50 30	30	30	30	30	30
n-Butylbenzene	-32.1 -1.9	-5.6	11.4	1.1	17.5	9.6	50 30	30	30	30	30	30
1,2-Dichlorobenzene	-13.6 -6.8	-3.8	9.0	2.2	10.3	2.8	50 30	30	30	30	30	30
1,2-Diethylbenzene	-26.1 1.5	-10.6	9.6	1.1	15.5	9.1	50 30	30	30	30	30	30
1,2-Dibromo-3-Chloropropane	-12.0 -1.9	-2.3	5.8	-2.3	7.7	5.1	50 30	30	30	30	30	30
1,3,5-Trichlorobenzene	-21.8 -3.7	-6.4	8.4	3.7	13.3	6.6	50 30	30	30	30	30	30
1,2,4-Trichlorobenzene	-15.1 -6.2	-3.4	6.5	2.8	10.9	4.5	50 30	30	30	30	30	30
2-Ethylhexyl acrylate	-17.8 -3.2	-4.3	-2.1	3.8	14.6	9.0	50 30	30	30	30	30	30
Hexachlorobutadiene	-27.4 1.1	-8.2	10.8	-3.6	16.3	11.1	50 30	30	30	30	30	30
Naphthalene	-12.7 -14.2	-0.8	8.7	4.2	11.6	3.2	50 30	30	30	30	30	30
1,2,3-Trichlorobenzene	-16.3 -7.1	-3.7	7.7	3.6	11.5	4.4	50 30	30	30	30	30	30
2-Methylnaphthalene	-19.2 -6.1	-9.0	5.1	4.4	14.9	9.9	50 30	30	30	30	30	30
Dibromofluoromethane (Surr)	0.8 -2.4	1.9	1.6	0.2	-0.2	-1.8	50 30	30	30	30	30	30
1,2-Dichloroethane-d4 (Surr)	1.0 -0.2	0.6	2.6	-2.1	-1.0	-0.8	50 30	30	30	30	30	30
Toluene-d8 (Surr)	0.4 -1.6	1.0	-0.2	0.5	-0.6	0.5	50 30	30	30	30	30	30
4-Bromofluorobenzene (Surr)	1.0 -3.9	2.7	1.4	1.3	-1.3	-1.1	50 30	30	30	30	30	30

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9137\20240930-126367.b\WS30X11.D
Lims ID: IC v1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 30-Sep-2024 22:30:30 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0126367-012
Misc. Info.: IC V1
Operator ID: MCD07824 Instrument ID: 9137
Sublist: chrom-MSVoa_9137*sub73

Method: \\chromfs\Lancaster\ChromData\9137\20240930-126367.b\MSVoa_9137.m
Limit Group: MSV - 8260C_D
Last Update: 01-Oct-2024 09:08:50 Calib Date: 01-Oct-2024 00:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9137\20240930-126367.b\WS30X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1618

First Level Reviewer: DVW2 Date: 01-Oct-2024 08:19:52

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
6 Dichlorodifluoromethane	85	1.995	2.014	-0.019	19	8885	1.00	0.7705	
7 Chloromethane	50	2.204	2.210	-0.006	97	11925	1.00	1.07	
8 Vinyl chloride	62	2.316	2.326	-0.010	96	9351	1.00	0.8513	
9 Butadiene	39	2.338	2.351	-0.013	90	9013	1.00	0.8085	
11 Bromomethane	94	2.678	2.688	-0.010	88	7767	1.00	0.99	
12 Chloroethane	64	2.755	2.768	-0.013	45	5006	1.00	0.9085	
13 Dichlorofluoromethane	67	3.035	3.038	-0.003	95	15401	1.00	0.9306	
14 Trichlorofluoromethane	101	3.092	3.102	-0.010	32	10641	1.00	0.8043	
15 Pentane	43	3.121	3.134	-0.013	68	10441	1.00	1.12	
17 Ethanol	45	3.250	3.263	-0.013	5	4327	62.5	53.5	
18 1,2-Dichloro-1,1,2-trifluoroetha	67	3.449	3.445	0.004	13	7484	1.00	0.9328	
19 Acrolein	56	3.532	3.532	0.000	64	16083	10.0	9.72	M
21 1,1-Dichloroethene	96	3.673	3.686	-0.013	38	4092	1.00	0.7664	
22 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.699	3.712	-0.013	1	4433	1.00	0.6763	M
20 Acetone	58	3.721	3.712	0.009	70	1728	2.00	1.74	
25 Iodomethane	142	3.895	3.888	0.007	69	8810	1.00	0.8170	
23 Isopropyl alcohol	45	3.930	3.891	0.039	26	6257	5.00	6.15	M
26 Carbon disulfide	76	3.994	4.010	-0.016	59	14300	1.00	0.7692	
28 Methyl acetate	43	4.135	4.148	-0.013	78	8976	1.00	1.31	
27 3-Chloro-1-propene	41	4.174	4.171	0.003	56	7551	1.00	0.9715	
30 Methylene Chloride	84	4.370	4.379	-0.009	11	5839	1.00	0.9472	
* 32 t-Butyl alcohol-d10 (IS)	65	4.392	4.411	-0.019	41	325657	250.0	250.0	
33 2-Methyl-2-propanol	59	4.527	4.556	-0.029	13	6891	5.00	4.78	
34 Acrylonitrile	53	4.719	4.729	-0.010	49	8658	2.50	2.39	
35 trans-1,2-Dichloroethene	96	4.780	4.790	-0.010	41	4738	1.00	0.9301	
36 Methyl tert-butyl ether	73	4.793	4.793	0.000	78	18292	1.00	0.9684	
37 Hexane	57	5.204	5.223	-0.019	56	4431	1.00	0.6867	
38 1,1-Dichloroethane	63	5.451	5.464	-0.013	93	7202	1.00	0.8302	
40 Isopropyl ether	45	5.528	5.515	0.013	80	16798	1.00	0.99	
41 2-Chloro-1,3-butadiene	53	5.566	5.570	-0.004	86	7116	1.00	0.9073	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
42 Tert-butyl ethyl ether	59	6.061	6.061	0.000	87	16793	1.00	0.9339	
S 80 1,2-Dichloroethene, Total	100				0			1.85	
44 2-Butanone (MEK)	43	6.256	6.272	-0.016	85	11637	2.00	2.39	
43 cis-1,2-Dichloroethene	96	6.285	6.301	-0.016	83	5367	1.00	0.9215	
45 2,2-Dichloropropane	77	6.317	6.321	-0.004	48	7520	1.00	0.7969	
47 Propionitrile	54	6.375	6.372	0.003	59	7617	5.00	4.70	
48 Methyl acrylate	55	6.388	6.394	-0.006	45	9034	1.00	1.05	
49 Methacrylonitrile	67	6.584	6.584	0.000	57	8993	2.50	2.53	
50 Chlorobromomethane	128	6.619	6.629	-0.010	72	2884	1.00	0.9505	
51 Tetrahydrofuran	71	6.619	6.638	-0.019	92	6838	5.00	4.83	
52 Chloroform	83	6.783	6.780	0.003	89	7169	1.00	0.8379	
$ 54 Dibromofluoromethane (Surr)	113	6.991	6.994	-0.003	93	247471	50.0	50.4	
55 1,1,1-Trichloroethane	97	7.014	7.014	0.000	57	7233	1.00	0.7967	
56 Cyclohexane	56	7.091	7.100	-0.009	87	8096	1.00	0.7500	
58 Carbon tetrachloride	117	7.203	7.213	-0.010	84	5466	1.00	0.7211	
57 1,1-Dichloropropene	75	7.219	7.219	0.000	82	6255	1.00	0.8301	
59 Isobutyl alcohol	41	7.386	7.396	-0.010	30	7382	12.5	15.4	
$ 60 1,2-Dichloroethane-d4 (Surr)	102	7.453	7.460	-0.007	70	64693	50.0	50.5	
61 Benzene	78	7.482	7.485	-0.003	47	19910	1.00	0.9228	
62 1,2-Dichloroethane	62	7.559	7.562	-0.003	50	7019	1.00	1.03	
64 Tert-amyl methyl ether	73	7.668	7.678	-0.010	98	16258	1.00	0.9220	
* 65 Fluorobenzene (IS)	96	7.887	7.886	0.001	99	1022466	50.0	50.0	
66 n-Heptane	43	7.896	7.896	0.000	40	4824	1.00	0.8385	a
67 n-Butanol	56	8.278	8.268	0.010	21	4016	12.5	11.2	
68 Trichloroethene	95	8.365	8.368	-0.003	62	5031	1.00	0.8782	
69 Ethyl acrylate	55	8.477	8.480	-0.003	95	9428	1.00	1.06	
70 Methylcyclohexane	83	8.673	8.673	0.000	68	6746	1.00	0.6773	M
71 1,2-Dichloropropane	63	8.711	8.702	0.009	69	4727	1.00	0.8646	
72 2-ethoxy-2-methyl butane	87	8.698	8.708	-0.010	92	7130	1.00	0.8484	
74 Methyl methacrylate	69	8.788	8.785	0.003	94	4732	1.00	0.9042	
75 1,4-Dioxane	88	8.798	8.801	-0.003	35	555	12.5	5.45	
73 Dibromomethane	93	8.817	8.811	0.006	94	3229	1.00	0.8743	
77 Dichlorobromomethane	83	9.048	9.051	-0.003	96	5273	1.00	0.8375	
78 2-Nitropropane	41	9.321	9.327	-0.006	90	11938	5.00	5.18	
79 2-Chloroethyl vinyl ether	63	9.404	9.401	0.003	21	3283	1.00	0.8508	
81 cis-1,3-Dichloropropene	75	9.584	9.584	0.000	94	7791	1.00	0.9272	
83 4-Methyl-2-pentanone (MIBK)	43	9.761	9.761	0.000	97	18881	2.00	2.03	
$ 84 Toluene-d8 (Surr)	98	9.886	9.886	0.000	93	1013715	50.0	50.2	
85 Toluene	92	9.959	9.956	0.003	99	12186	1.00	0.9093	
S 162 1,3-Dichloropropene, Total	100				0			1.86	
86 trans-1,3-Dichloropropene	75	10.213	10.216	-0.003	90	7023	1.00	0.9351	
87 Ethyl methacrylate	69	10.277	10.271	0.006	87	8602	1.00	0.9557	
88 1,1,2-Trichloroethane	97	10.409	10.415	-0.006	87	5114	1.00	1.01	
90 Tetrachloroethene	166	10.499	10.499	0.000	94	4170	1.00	0.7510	
91 1,3-Dichloropropane	76	10.576	10.576	0.000	92	8074	1.00	0.9667	
94 2-Hexanone	43	10.630	10.627	0.003	97	15935	2.00	2.44	
96 Chlorodibromomethane	129	10.787	10.784	0.003	77	4528	1.00	0.8770	
98 Ethylene Dibromide	107	10.896	10.897	-0.001	97	5291	1.00	0.9626	
S 178 Xylenes, Total	106				0			2.50	
* 101 Chlorobenzene-d5 (IS)	117	11.323	11.326	-0.003	85	764363	50.0	50.0	
103 1-Chlorohexane	91	11.326	11.333	-0.007	36	6478	1.00	0.8941	a
102 Chlorobenzene	112	11.349	11.349	0.000	95	13442	1.00	0.8870	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
104 1,1,1,2-Tetrachloroethane	131	11.432	11.432	0.000	44	4733	1.00	0.8286	
105 Ethylbenzene	91	11.432	11.436	-0.004	98	23126	1.00	0.8587	
106 m-Xylene & p-Xylene	106	11.551	11.548	0.003	97	17932	2.00	1.68	
107 n-Butyl acrylate	55	11.821	11.824	-0.003	96	12593	1.00	0.9850	
108 o-Xylene	106	11.878	11.878	0.000	95	9065	1.00	0.8143	
109 Styrene	104	11.891	11.891	0.000	83	14944	1.00	0.8784	
110 Bromoform	173	12.048	12.049	-0.001	88	3234	1.00	0.8116	
111 Isopropylbenzene	105	12.177	12.174	0.003	94	20116	1.00	0.7947	
113 Cyclohexanone	55	12.251	12.260	-0.009	93	16558	50.0	48.4	a
$ 114 4-Bromofluorobenzene (Surr)	95	12.318	12.318	0.000	89	383022	50.0	50.5	
116 1,1,2,2-Tetrachloroethane	83	12.424	12.421	0.003	95	9401	1.00	0.9379	
115 Bromobenzene	156	12.437	12.437	0.000	95	6684	1.00	0.9765	
119 trans-1,4-Dichloro-2-butene	53	12.450	12.446	0.004	76	5947	2.50	2.25	
118 1,2,3-Trichloropropane	110	12.469	12.469	0.000	66	2952	1.00	0.9452	
120 N-Propylbenzene	91	12.504	12.501	0.003	98	25309	1.00	0.7965	
121 2-Chlorotoluene	126	12.578	12.581	-0.003	98	5744	1.00	0.8233	
122 1,3,5-Trimethylbenzene	105	12.639	12.636	0.003	95	18346	1.00	0.7793	
123 4-Chlorotoluene	126	12.674	12.671	0.003	97	5283	1.00	0.7940	
125 tert-Butylbenzene	134	12.876	12.880	-0.004	91	3069	1.00	0.6928	
127 1,2,4-Trimethylbenzene	105	12.925	12.918	0.007	96	19150	1.00	0.7852	
128 sec-Butylbenzene	105	13.040	13.043	-0.003	93	20125	1.00	0.7074	
131 1,3-Dichlorobenzene	146	13.146	13.143	0.003	81	11368	1.00	0.8909	
132 4-Isopropyltoluene	119	13.146	13.149	-0.003	96	18177	1.00	0.7234	
* 133 1,4-Dichlorobenzene-d4	152	13.194	13.197	-0.003	95	440268	50.0	50.0	
134 1,4-Dichlorobenzene	146	13.213	13.213	0.000	95	11814	1.00	0.9037	
148 1,2,3-Trimethylbenzene	105	13.226	13.226	0.000	94	21848	1.00	0.8324	
170 Benzyl chloride	91	13.294	13.294	0.000	98	16517	1.00	0.8454	a
171 1,3-Diethylbenzene	119	13.348	13.348	0.000	95	11083	1.00	0.7586	
172 p-Diethylbenzene	119	13.419	13.419	0.000	91	11209	1.00	0.7309	
173 n-Butylbenzene	92	13.435	13.441	-0.006	95	8050	1.00	0.6791	
174 1,2-Dichlorobenzene	146	13.476	13.473	0.003	96	11760	1.00	0.8636	
175 o-diethylbenzene	119	13.492	13.493	-0.001	92	9173	1.00	0.7387	
176 1,2-Dibromo-3-Chloropropane	75	14.016	14.019	-0.003	86	2627	1.00	0.8798	
177 1,3,5-Trichlorobenzene	180	14.141	14.141	0.000	97	7475	1.00	0.7818	
179 1,2,4-Trichlorobenzene	180	14.567	14.568	-0.001	91	8243	1.00	0.8487	
181 2-Ethylhexyl acrylate	55	14.616	14.622	-0.006	80	7417	1.00	0.8216	
180 Hexachlorobutadiene	225	14.648	14.648	0.000	89	2317	1.00	0.7258	
182 Naphthalene	128	14.754	14.750	0.004	96	36056	1.00	0.8730	
183 1,2,3-Trichlorobenzene	180	14.895	14.895	0.000	95	8415	1.00	0.8365	
184 2-Methylnaphthalene	142	15.543	15.537	0.006	93	16062	1.00	0.8084	
S 205 Total Diethylbenzene	1				0			2.23	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_4ppbEtOH_00696	Amount Added: 12.50	Units: mL	
MSV_Cent_ISSS_00031	Amount Added: 5.00	Units: uL	Run Reagent

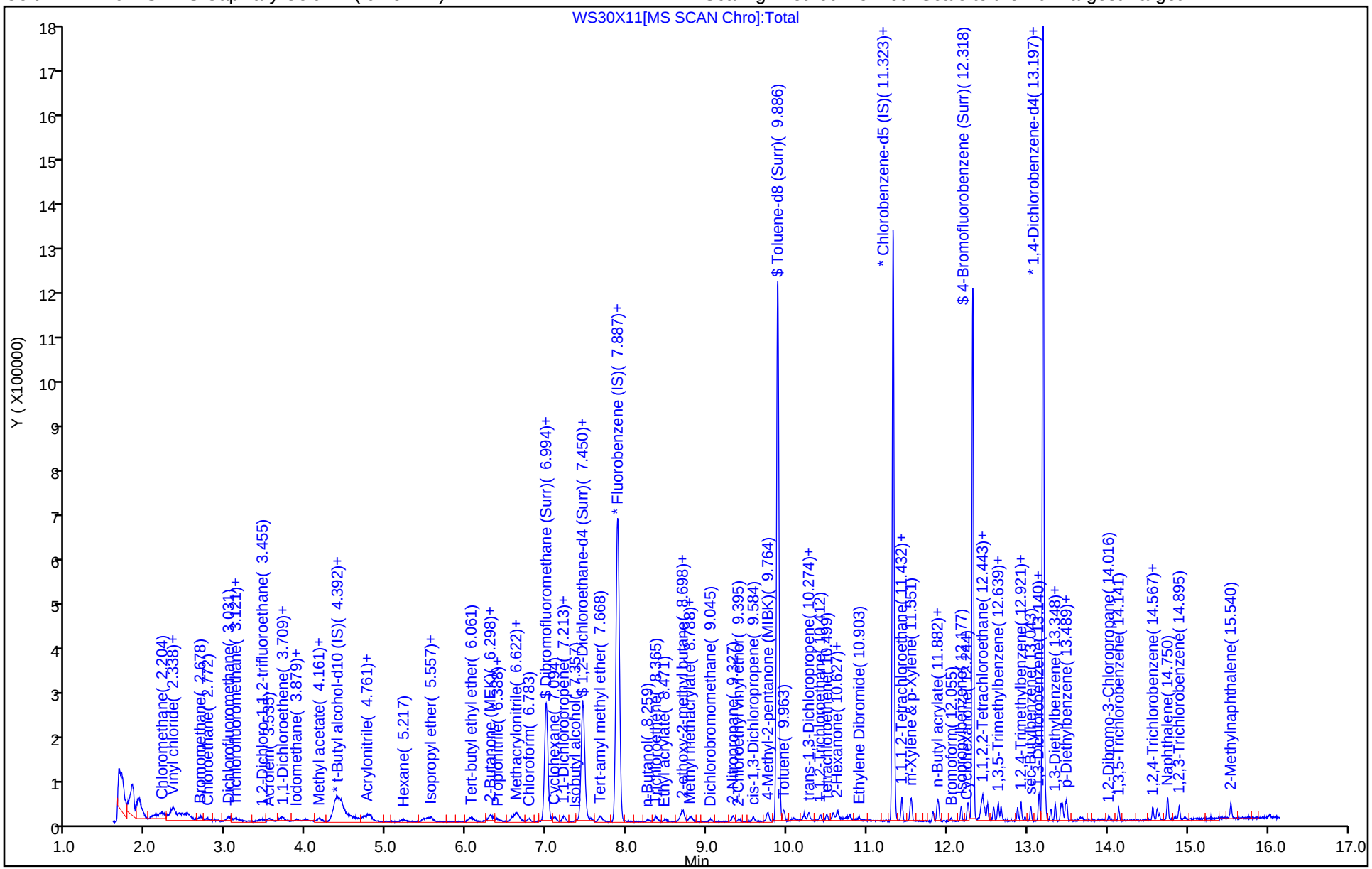
Report Date: 01-Oct-2024 09:08:50 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9137\20240930-126367.b\WS30X11.D

Injection Date:	30-Sep-2024 22:30:30	Instrument ID:	9137	Operator ID:	MCD07824
Lims ID:	IC v1			Worklist Smp#:	12
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	MSVoa_9137	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

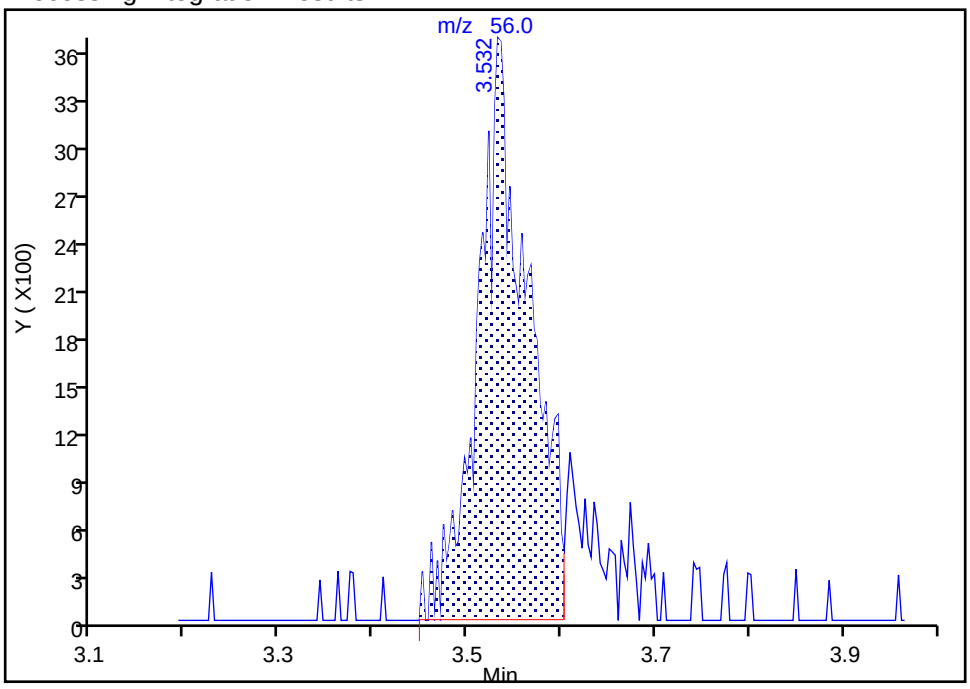
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Injection Date: 30-Sep-2024 22:30:30 Instrument ID: 9137
Lims ID: IC v1
Client ID:
Operator ID: MCD07824 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9137 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

19 Acrolein, CAS: 107-02-8

Signal: 1

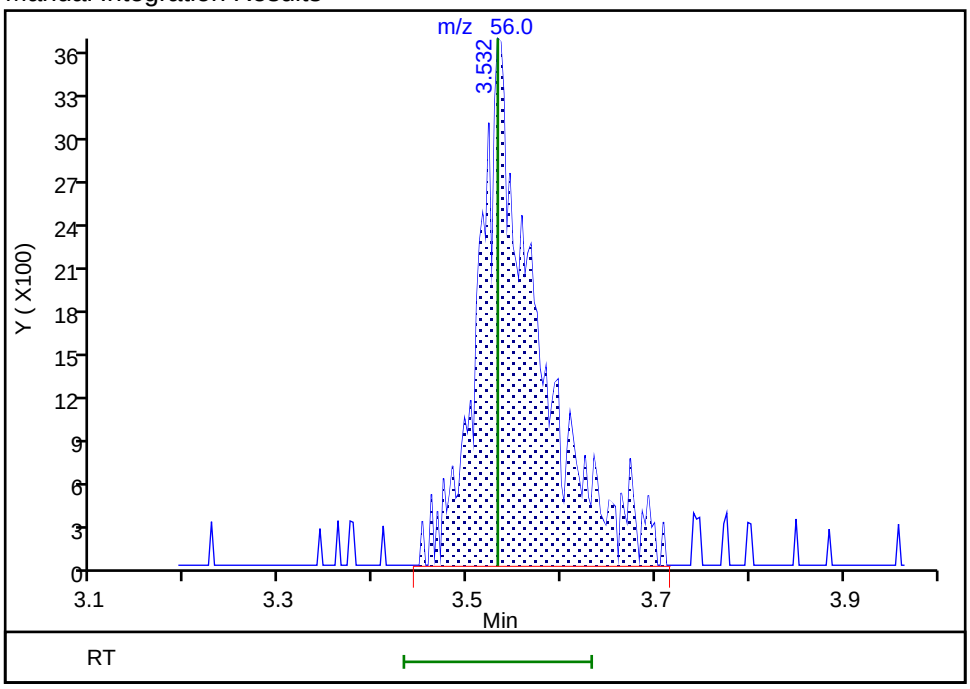
Processing Integration Results

RT: 3.53
Area: 13350
Amount: 8.260093
Amount Units: ug/l



Manual Integration Results

RT: 3.53
Area: 16083
Amount: 9.716859
Amount Units: ug/l



Reviewer: DVW2, 01-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

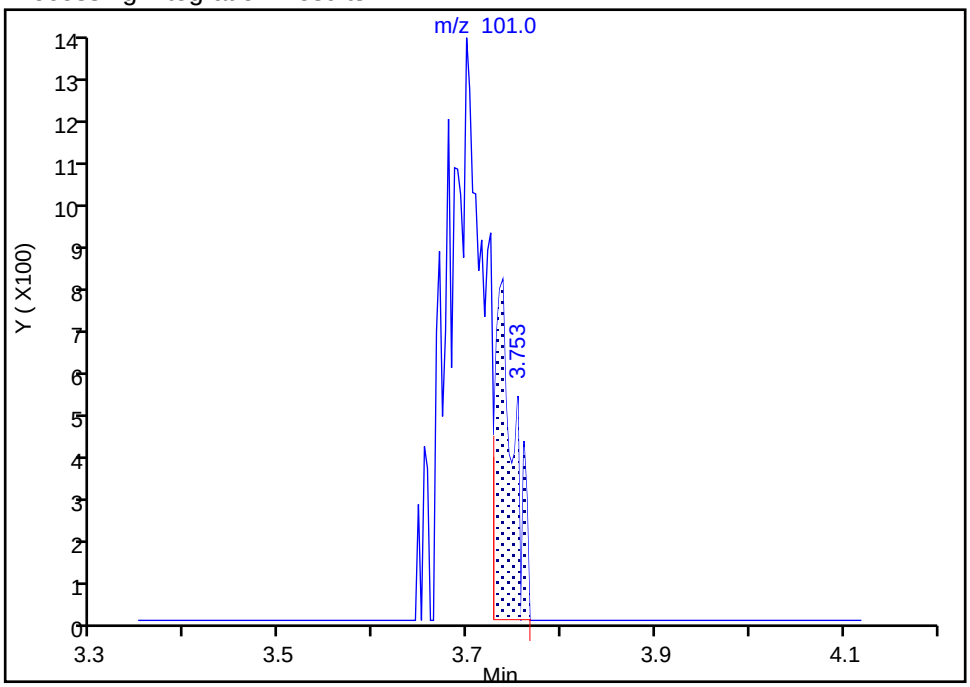
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Injection Date: 30-Sep-2024 22:30:30 Instrument ID: 9137
Lims ID: IC v1
Client ID:
Operator ID: MCD07824 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9137 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

22 1,1,2-Trichloro-1,2,2-trifluoroe, CAS: 76-13-1

Signal: 1

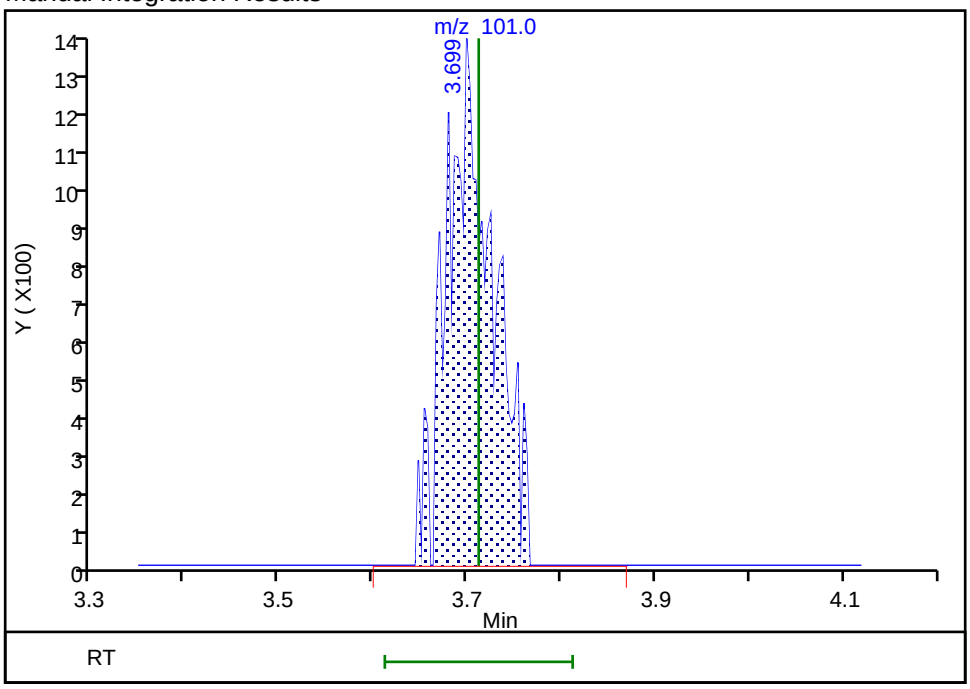
Processing Integration Results

RT: 3.75
Area: 1039
Amount: 0.978771
Amount Units: ug/l



Manual Integration Results

RT: 3.70
Area: 4433
Amount: 0.676251
Amount Units: ug/l



Reviewer: DVW2, 01-Oct-2024 08:18:35 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

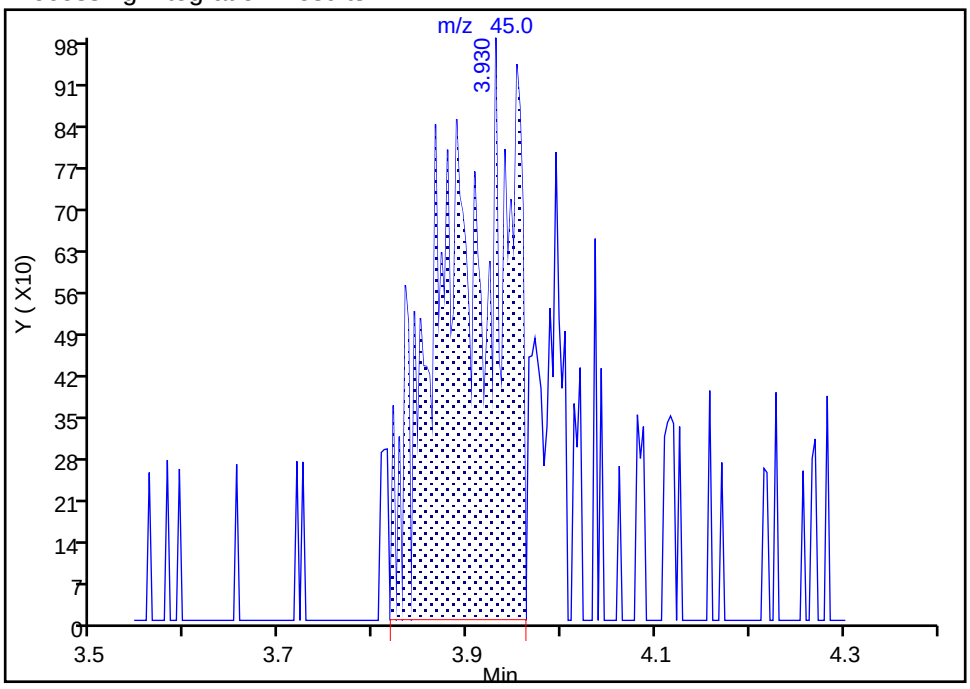
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Injection Date:	30-Sep-2024 22:30:30	Instrument ID:	9137		
Lims ID:	IC v1				
Client ID:					
Operator ID:	MCD07824	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9137	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

23 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

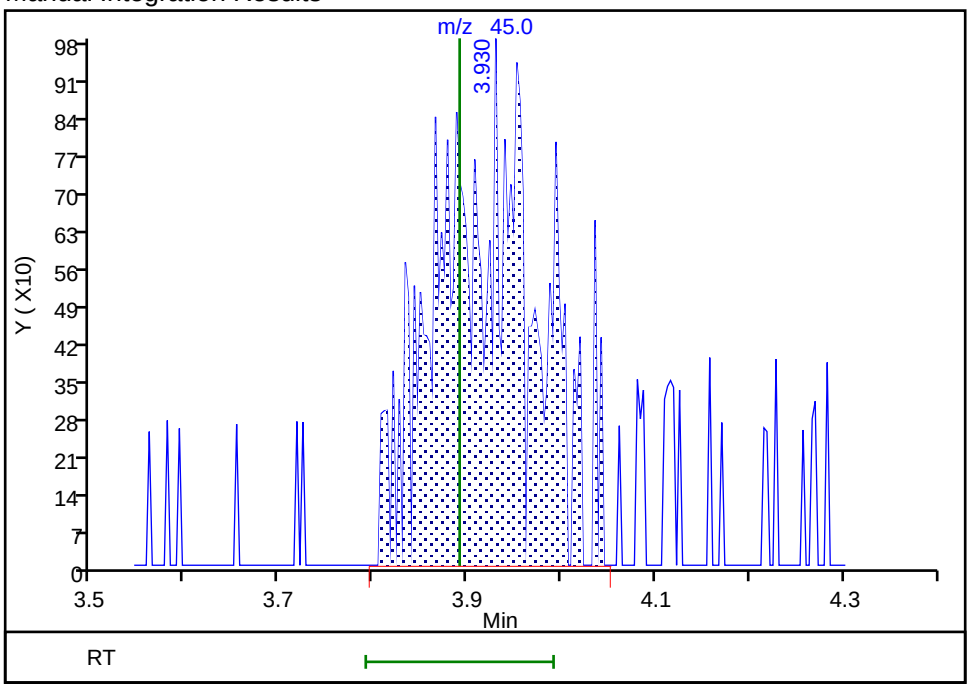
Processing Integration Results

RT: 3.93
Area: 4531
Amount: 4.682741
Amount Units: ug/l



Manual Integration Results

RT: 3.93
Area: 6257
Amount: 6.152953
Amount Units: ug/l



Reviewer: DVW2, 01-Oct-2024 08:18:43 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

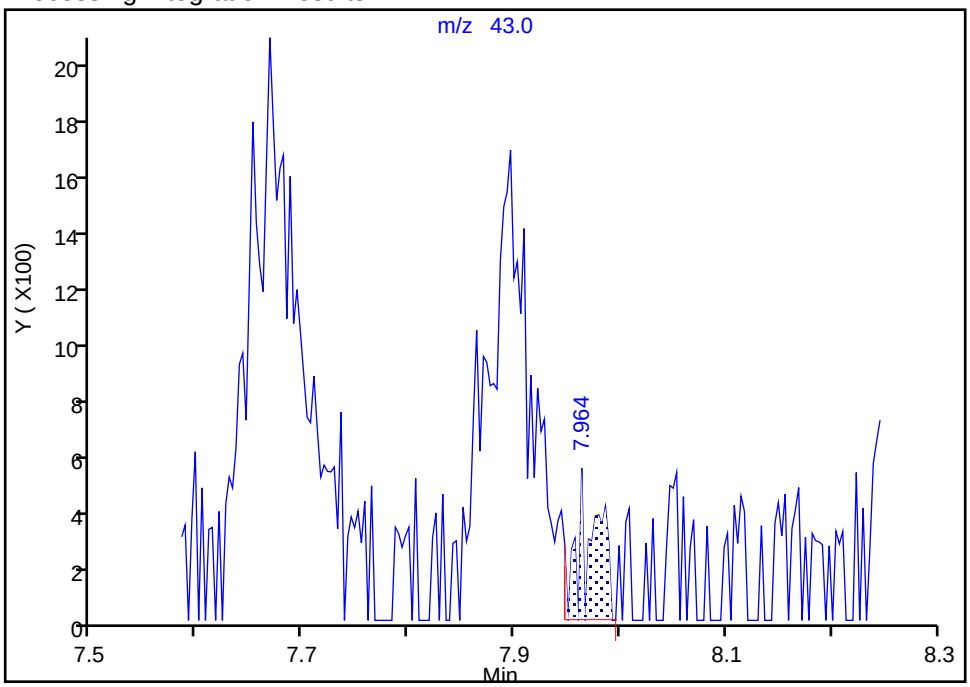
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Injection Date: 30-Sep-2024 22:30:30 Instrument ID: 9137
Lims ID: IC v1
Client ID:
Operator ID: MCD07824 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9137 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

66 n-Heptane, CAS: 142-82-5

Signal: 1

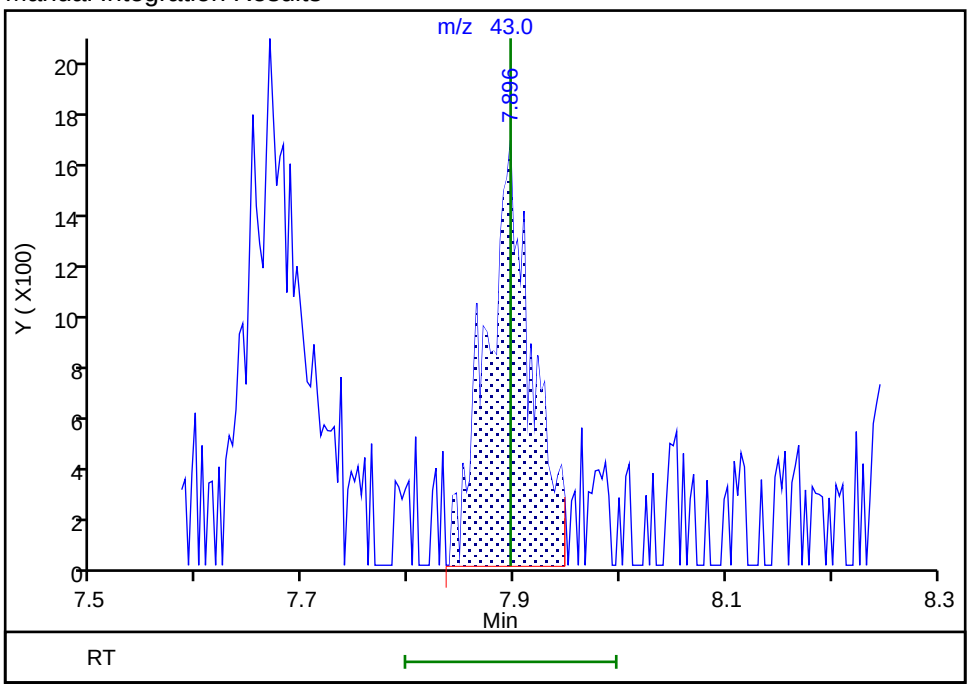
Processing Integration Results

RT: 7.96
Area: 703
Amount: 0.965754
Amount Units: ug/l



Manual Integration Results

RT: 7.90
Area: 4824
Amount: 0.838460
Amount Units: ug/l



Reviewer: DVW2, 01-Oct-2024 08:19:00 -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

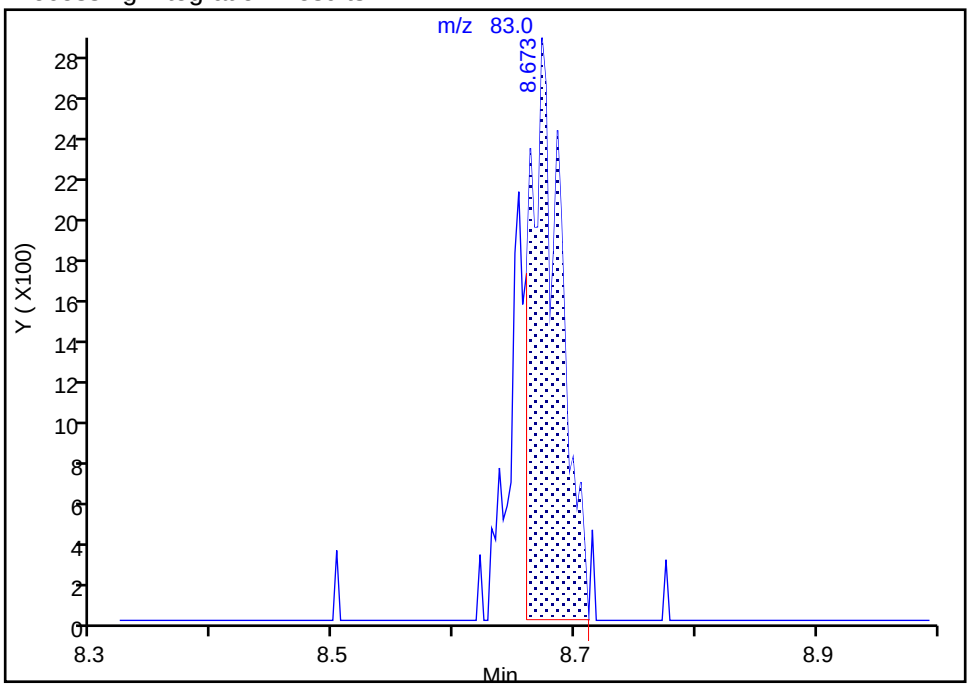
Data File:	\\chromfs\Lancaster\ChromData\9137\20240930-126367.b\WS30X11.D				
Injection Date:	30-Sep-2024 22:30:30	Instrument ID:	9137		
Lims ID:	IC v1				
Client ID:					
Operator ID:	MCD07824	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9137	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

70 Methylcyclohexane, CAS: 108-87-2

Signal: 1

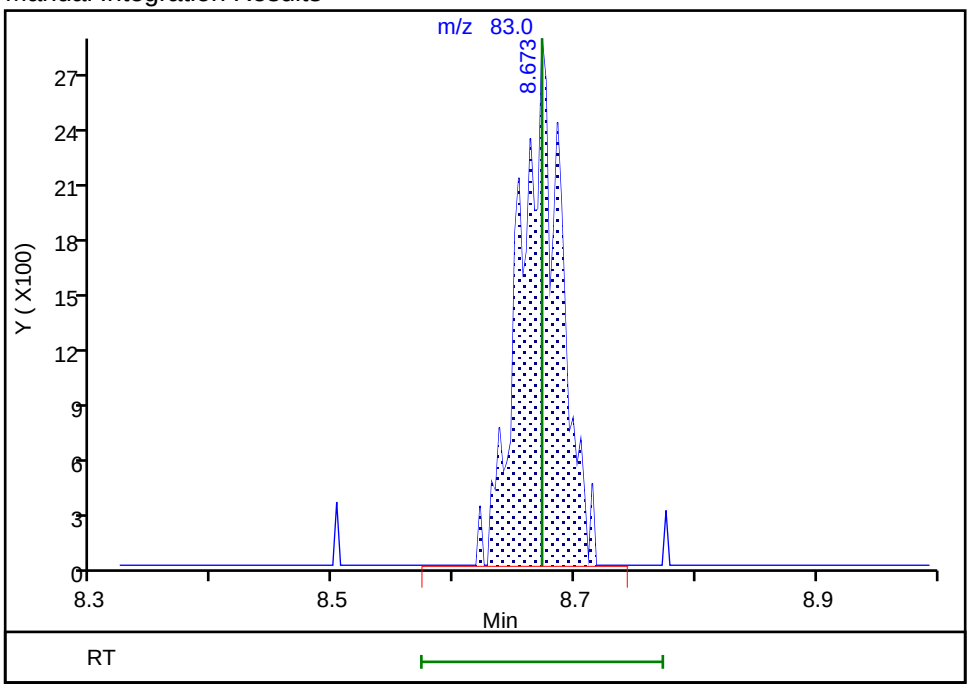
Processing Integration Results

RT: 8.67
Area: 4905
Amount: 1.006223
Amount Units: ug/l



Manual Integration Results

RT: 8.67
Area: 6746
Amount: 0.677251
Amount Units: ug/l



Reviewer: DVW2, 01-Oct-2024 08:19:08 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

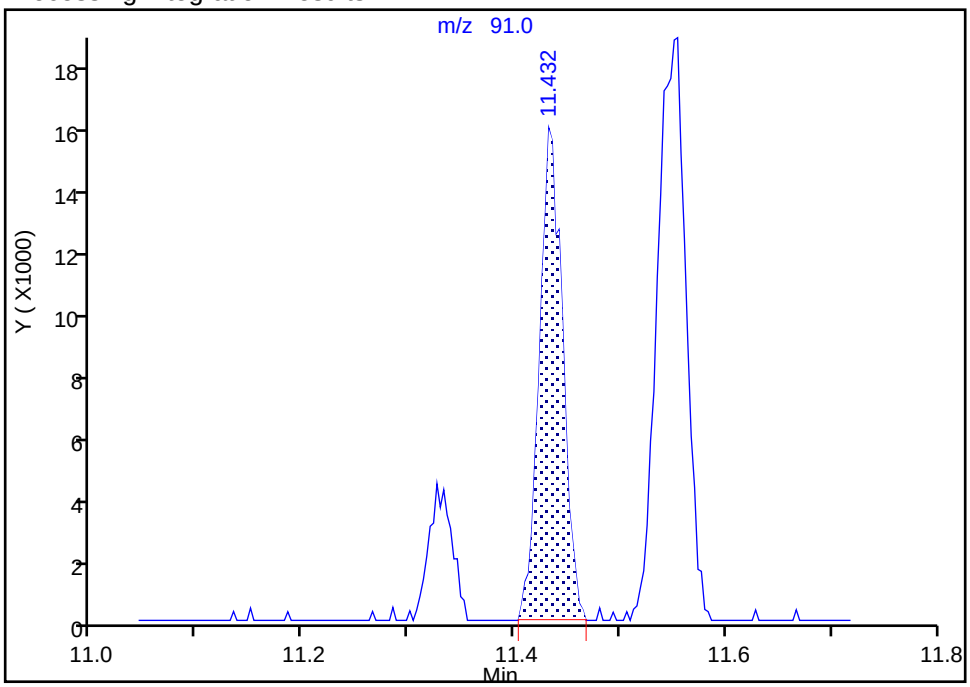
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Injection Date: 30-Sep-2024 22:30:30 Instrument ID: 9137
Lims ID: IC v1
Client ID:
Operator ID: MCD07824 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9137 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

103 1-Chlorohexane, CAS: 544-10-5

Signal: 1

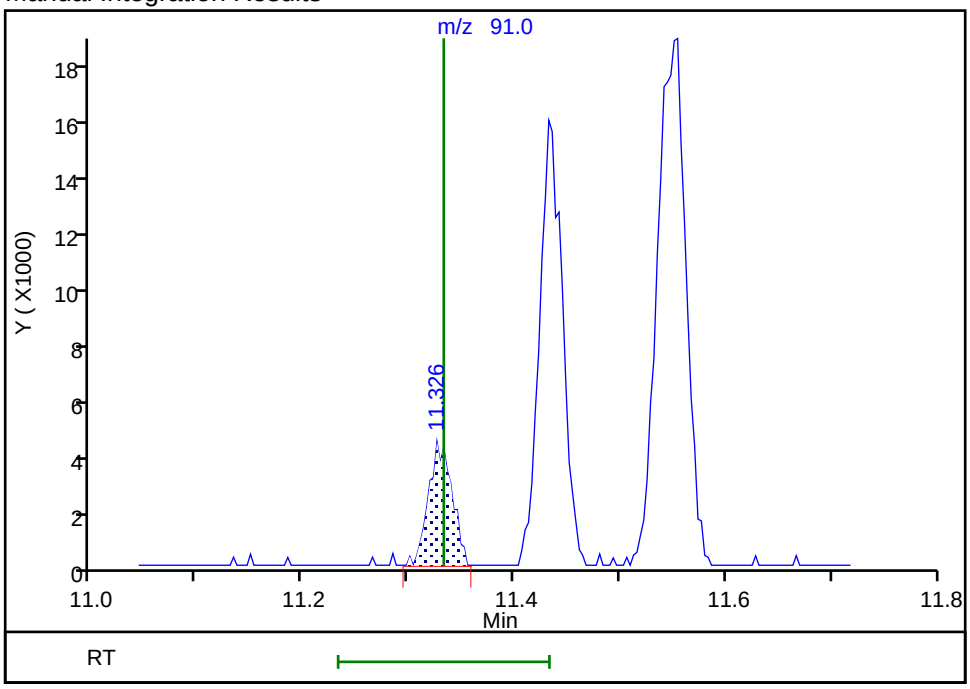
Processing Integration Results

RT: 11.43
Area: 23127
Amount: 2.403170
Amount Units: ug/l



Manual Integration Results

RT: 11.33
Area: 6478
Amount: 0.894120
Amount Units: ug/l



Reviewer: DVW2, 01-Oct-2024 08:19:21 -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

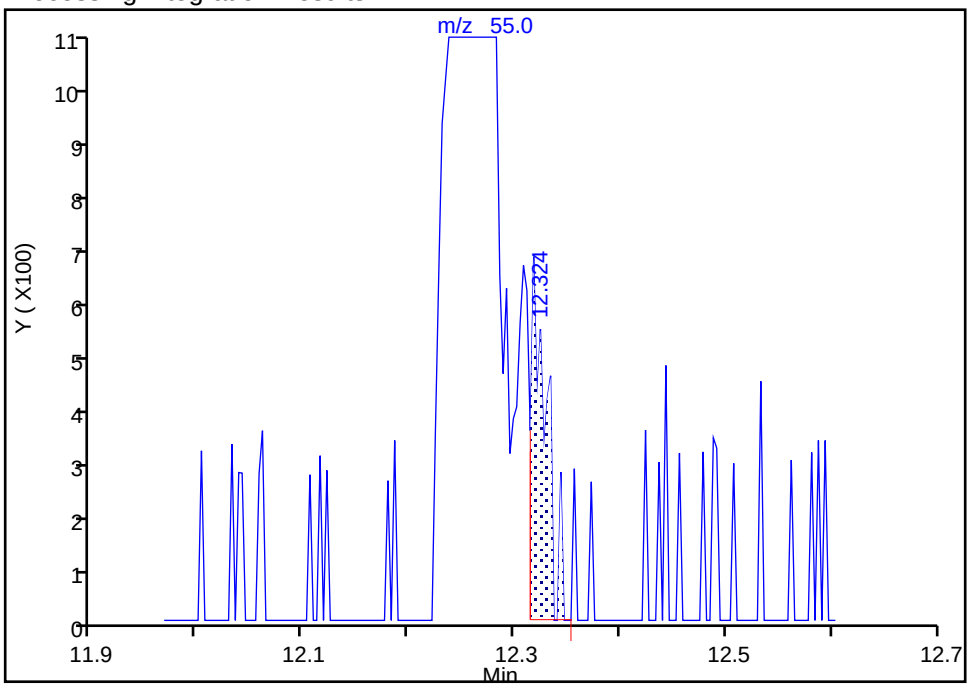
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Injection Date: 30-Sep-2024 22:30:30 Instrument ID: 9137
Lims ID: IC v1
Client ID:
Operator ID: MCD07824 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9137 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

113 Cyclohexanone, CAS: 108-94-1

Signal: 1

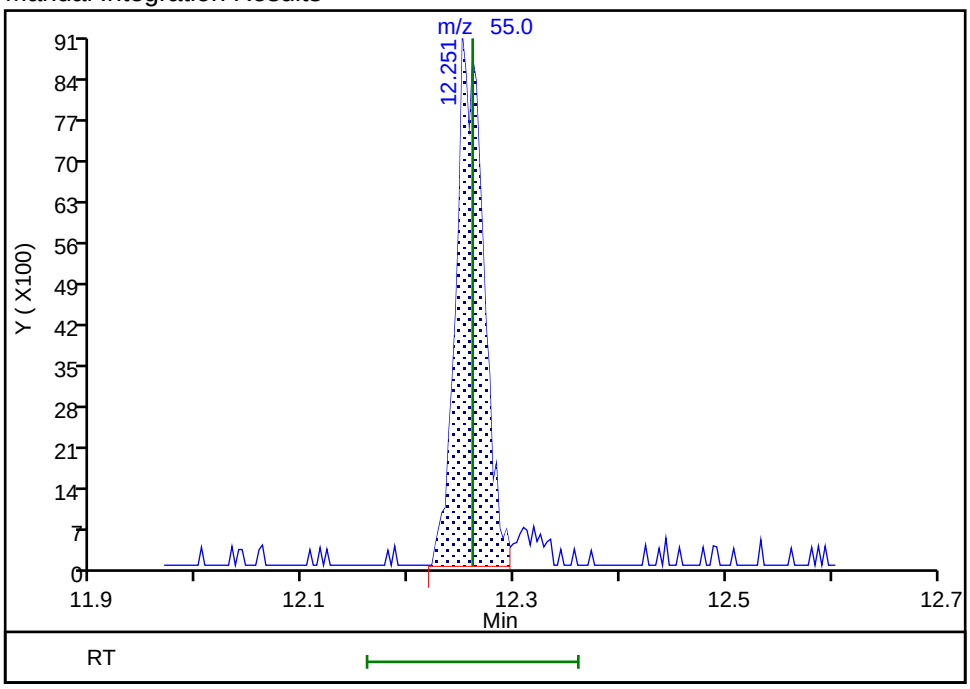
Processing Integration Results

RT: 12.32
Area: 657
Amount: 47.652014
Amount Units: ug/l



Manual Integration Results

RT: 12.25
Area: 16558
Amount: 48.363544
Amount Units: ug/l



Reviewer: DVW2, 01-Oct-2024 08:19:29 -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

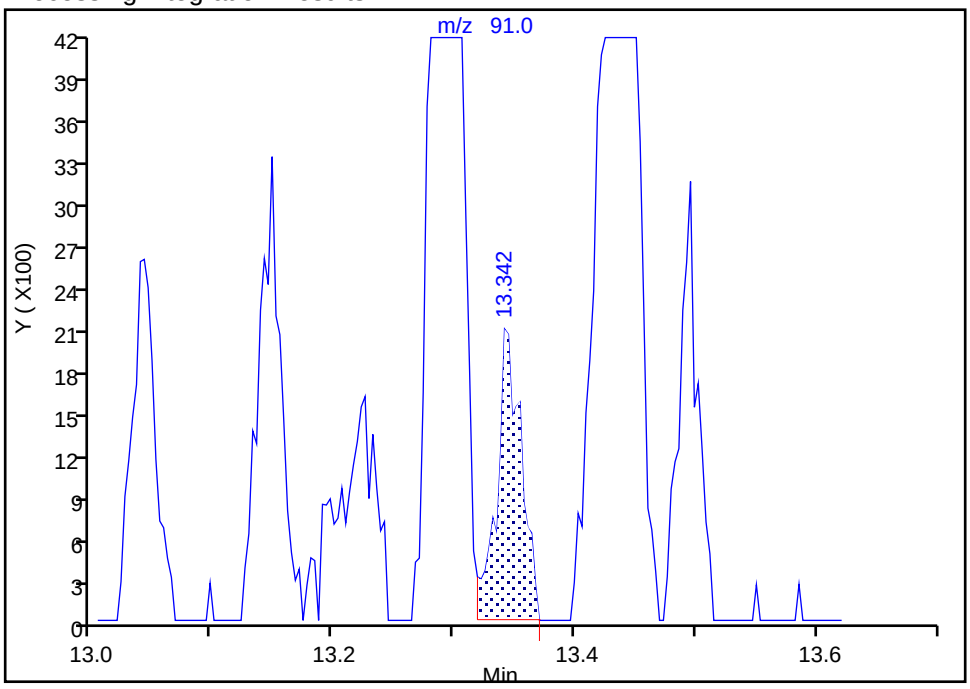
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Injection Date: 30-Sep-2024 22:30:30 Instrument ID: 9137
Lims ID: IC v1
Client ID:
Operator ID: MCD07824 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9137 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

170 Benzyl chloride, CAS: 100-44-7

Signal: 1

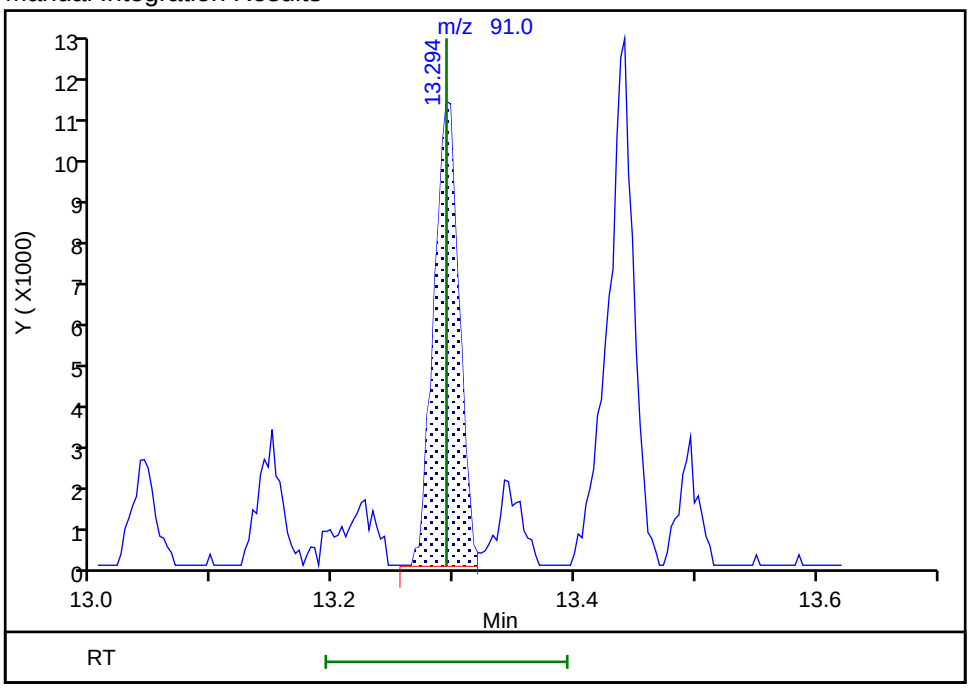
Processing Integration Results

RT: 13.34
Area: 2917
Amount: 0.980092
Amount Units: ug/l



Manual Integration Results

RT: 13.29
Area: 16517
Amount: 0.845447
Amount Units: ug/l



Reviewer: DVW2, 01-Oct-2024 08:19:39 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9137\20240930-126367.b\WS30X12.D
Lims ID: IC v4
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 30-Sep-2024 22:52:30 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0126367-013
Misc. Info.: IC V4
Operator ID: MCD07824 Instrument ID: 9137
Sublist: chrom-MSVoa_9137*sub73

Method: \\chromfs\Lancaster\ChromData\9137\20240930-126367.b\MSVoa_9137.m
Limit Group: MSV - 8260C_D
Last Update: 01-Oct-2024 09:09:02 Calib Date: 01-Oct-2024 00:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9137\20240930-126367.b\WS30X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1618

First Level Reviewer: DVW2 Date: 01-Oct-2024 08:18:02

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
6 Dichlorodifluoromethane	85	1.995	2.014	-0.019	98	49967	4.00	4.44	
7 Chloromethane	50	2.203	2.210	-0.007	99	47887	4.00	4.42	
8 Vinyl chloride	62	2.319	2.326	-0.007	98	49275	4.00	4.59	
9 Butadiene	39	2.341	2.351	-0.010	89	51061	4.00	4.69	
11 Bromomethane	94	2.675	2.688	-0.013	91	33762	4.00	4.41	
12 Chloroethane	64	2.762	2.768	-0.006	97	24048	4.00	4.47	
13 Dichlorofluoromethane	67	3.031	3.038	-0.007	98	71911	4.00	4.45	
14 Trichlorofluoromethane	101	3.089	3.102	-0.013	94	56907	4.00	4.40	
15 Pentane	43	3.134	3.134	0.000	90	33660	4.00	3.69	
17 Ethanol	45	3.192	3.263	-0.071	30	20737	250.0	268.1	M
18 1,2-Dichloro-1,1,2-trifluoroetha	67	3.442	3.445	-0.003	92	35274	4.00	4.50	
19 Acrolein	56	3.532	3.532	0.000	99	60965	40.1	38.5	
21 1,1-Dichloroethene	96	3.673	3.686	-0.013	97	20789	4.00	3.99	
22 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.702	3.712	-0.010	88	24183	4.00	3.78	
20 Acetone	58	3.728	3.712	0.016	68	7976	8.00	8.40	
25 Iodomethane	142	3.882	3.888	-0.006	96	41553	4.00	3.95	
23 Isopropyl alcohol	45	3.907	3.891	0.016	49	23613	20.0	24.3	
26 Carbon disulfide	76	4.010	4.010	0.000	98	71627	4.00	3.94	
28 Methyl acetate	43	4.145	4.148	-0.003	96	31556	4.00	4.71	
27 3-Chloro-1-propene	41	4.161	4.171	-0.010	92	30288	4.00	3.99	
30 Methylene Chloride	84	4.376	4.379	-0.003	89	24618	4.00	4.09	
* 32 t-Butyl alcohol-d10 (IS)	65	4.398	4.411	-0.013	48	311548	250.0	250.0	
33 2-Methyl-2-propanol	59	4.549	4.556	-0.007	29	27936	20.0	20.3	M
34 Acrylonitrile	53	4.719	4.729	-0.010	97	37953	10.0	10.7	
35 trans-1,2-Dichloroethene	96	4.783	4.790	-0.007	97	19216	4.00	3.86	
36 Methyl tert-butyl ether	73	4.799	4.793	0.006	84	75877	4.00	4.11	
37 Hexane	57	5.213	5.223	-0.010	86	23501	4.00	3.73	
38 1,1-Dichloroethane	63	5.457	5.464	-0.007	96	35201	4.00	4.15	
40 Isopropyl ether	45	5.512	5.515	-0.003	96	65501	4.00	3.96	
41 2-Chloro-1,3-butadiene	53	5.563	5.570	-0.007	91	30092	4.00	3.93	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
42 Tert-butyl ethyl ether	59	6.051	6.061	-0.010	96	71692	4.00	4.08	
S 80 1,2-Dichloroethene, Total	100				0			7.85	
44 2-Butanone (MEK)	43	6.259	6.272	-0.013	94	39537	8.00	8.32	
43 cis-1,2-Dichloroethene	96	6.298	6.301	-0.003	83	22707	4.00	3.99	
45 2,2-Dichloropropane	77	6.314	6.321	-0.007	77	36706	4.00	3.98	
47 Propionitrile	54	6.381	6.372	0.009	77	32479	20.0	20.9	
48 Methyl acrylate	55	6.381	6.394	-0.013	96	33234	4.00	3.96	
49 Methacrylonitrile	67	6.568	6.584	-0.016	83	35367	10.0	10.2	
50 Chlorobromomethane	128	6.628	6.629	-0.001	87	12754	4.00	4.30	
51 Tetrahydrofuran	71	6.638	6.638	0.000	87	28732	20.0	21.2	
52 Chloroform	83	6.779	6.780	-0.001	95	34987	4.00	4.19	
$ 54 Dibromofluoromethane (Surr)	113	6.991	6.994	-0.003	93	244354	50.0	50.9	
55 1,1,1-Trichloroethane	97	7.004	7.014	-0.010	95	33792	4.00	3.81	
56 Cyclohexane	56	7.107	7.100	0.007	88	39374	4.00	3.73	
58 Carbon tetrachloride	117	7.219	7.213	0.006	90	28084	4.00	3.79	
57 1,1-Dichloropropene	75	7.222	7.219	0.003	94	29769	4.00	4.04	
59 Isobutyl alcohol	41	7.386	7.396	-0.010	75	23327	50.0	50.8	
$ 60 1,2-Dichloroethane-d4 (Surr)	102	7.450	7.460	-0.010	70	62968	50.0	50.3	
61 Benzene	78	7.482	7.485	-0.003	96	83179	4.00	3.95	
62 1,2-Dichloroethane	62	7.556	7.562	-0.006	97	26912	4.00	4.04	
64 Tert-amyl methyl ether	73	7.675	7.678	-0.003	98	69089	4.00	4.01	
* 65 Fluorobenzene (IS)	96	7.890	7.886	0.004	99	998700	50.0	50.0	
66 n-Heptane	43	7.893	7.896	-0.003	37	22004	4.00	3.92	a
67 n-Butanol	56	8.268	8.268	0.000	93	18014	50.0	52.7	
68 Trichloroethene	95	8.368	8.368	0.000	98	22687	4.00	4.05	
69 Ethyl acrylate	55	8.483	8.480	0.003	99	34587	4.00	3.98	
70 Methylcyclohexane	83	8.669	8.673	-0.004	90	35068	4.00	3.60	
71 1,2-Dichloropropane	63	8.695	8.702	-0.007	74	20433	4.00	3.83	
72 2-ethoxy-2-methyl butane	87	8.708	8.708	0.000	94	31542	4.00	3.84	
74 Methyl methacrylate	69	8.782	8.785	-0.003	88	21254	4.00	4.16	
75 1,4-Dioxane	88	8.788	8.801	-0.013	37	5039	50.0	51.7	M
73 Dibromomethane	93	8.820	8.811	0.009	80	14498	4.00	4.02	
77 Dichlorobromomethane	83	9.048	9.051	-0.003	99	23230	4.00	3.78	
78 2-Nitropropane	41	9.327	9.327	0.000	98	42962	20.0	19.5	
79 2-Chloroethyl vinyl ether	63	9.407	9.401	0.006	92	14573	4.00	3.87	
81 cis-1,3-Dichloropropene	75	9.584	9.584	0.000	96	30364	4.00	3.70	
83 4-Methyl-2-pentanone (MIBK)	43	9.757	9.761	-0.004	95	70152	8.00	7.72	
$ 84 Toluene-d8 (Surr)	98	9.882	9.886	-0.004	93	990351	50.0	50.5	
85 Toluene	92	9.963	9.956	0.007	97	50575	4.00	3.88	
S 162 1,3-Dichloropropene, Total	100				0			7.60	
86 trans-1,3-Dichloropropene	75	10.210	10.216	-0.006	89	28466	4.00	3.90	
87 Ethyl methacrylate	69	10.271	10.271	0.000	89	35213	4.00	4.03	
88 1,1,2-Trichloroethane	97	10.412	10.415	-0.003	91	19494	4.00	3.95	
90 Tetrachloroethene	166	10.498	10.499	-0.001	92	21047	4.00	3.90	
91 1,3-Dichloropropane	76	10.575	10.576	-0.001	88	32833	4.00	4.05	
94 2-Hexanone	43	10.630	10.627	0.003	98	51087	8.00	8.07	
96 Chlorodibromomethane	129	10.787	10.784	0.003	95	18182	4.00	3.62	
98 Ethylene Dibromide	107	10.896	10.897	-0.001	98	20866	4.00	3.91	
S 178 Xylenes, Total	106				0			11.7	
* 101 Chlorobenzene-d5 (IS)	117	11.323	11.326	-0.003	85	742596	50.0	50.0	
103 1-Chlorohexane	91	11.330	11.333	-0.003	42	27284	4.00	3.88	a
102 Chlorobenzene	112	11.352	11.349	0.003	96	56603	4.00	3.84	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
104 1,1,1,2-Tetrachloroethane	131	11.432	11.432	0.000	44	20328	4.00	3.66	
105 Ethylbenzene	91	11.435	11.436	-0.001	98	100975	4.00	3.86	
106 m-Xylene & p-Xylene	106	11.551	11.548	0.003	98	80311	8.00	7.76	
107 n-Butyl acrylate	55	11.820	11.824	-0.004	96	51718	4.00	4.16	
108 o-Xylene	106	11.878	11.878	0.000	96	42382	4.00	3.92	
109 Styrene	104	11.888	11.891	-0.003	93	62596	4.00	3.79	
110 Bromoform	173	12.048	12.049	-0.001	96	14049	4.00	3.63	
111 Isopropylbenzene	105	12.173	12.174	-0.001	95	94923	4.00	3.86	
113 Cyclohexanone	55	12.254	12.260	-0.006	91	67296	200.0	205.5	
$ 114 4-Bromofluorobenzene (Surr)	95	12.318	12.318	0.000	89	378527	50.0	51.4	
116 1,1,2,2-Tetrachloroethane	83	12.424	12.421	0.003	95	40162	4.00	4.05	
115 Bromobenzene	156	12.437	12.437	0.000	95	24919	4.00	3.68	
119 trans-1,4-Dichloro-2-butene	53	12.443	12.446	-0.003	84	25146	10.0	9.61	
118 1,2,3-Trichloropropane	110	12.465	12.469	-0.004	80	12139	4.00	3.93	
120 N-Propylbenzene	91	12.501	12.501	0.000	98	119225	4.00	3.79	
121 2-Chlorotoluene	126	12.581	12.581	0.000	97	25788	4.00	3.74	
122 1,3,5-Trimethylbenzene	105	12.636	12.636	0.000	94	85943	4.00	3.69	
123 4-Chlorotoluene	126	12.674	12.671	0.003	97	24481	4.00	3.72	
125 tert-Butylbenzene	134	12.879	12.880	-0.001	93	15660	4.00	3.57	
127 1,2,4-Trimethylbenzene	105	12.921	12.918	0.003	97	88805	4.00	3.68	
128 sec-Butylbenzene	105	13.040	13.043	-0.003	93	105678	4.00	3.76	
131 1,3-Dichlorobenzene	146	13.143	13.143	0.000	74	47067	4.00	3.73	
132 4-Isopropyltoluene	119	13.149	13.149	0.000	96	90378	4.00	3.64	
* 133 1,4-Dichlorobenzene-d4	152	13.197	13.197	0.000	94	435377	50.0	50.0	
134 1,4-Dichlorobenzene	146	13.213	13.213	0.000	96	48894	4.00	3.78	
148 1,2,3-Trimethylbenzene	105	13.226	13.226	0.000	97	95846	4.00	3.69	
170 Benzyl chloride	91	13.293	13.294	-0.001	98	71974	4.00	3.73	
171 1,3-Diethylbenzene	119	13.348	13.348	0.000	94	51893	4.00	3.59	
172 p-Diethylbenzene	119	13.422	13.419	0.003	95	56290	4.00	3.71	
173 n-Butylbenzene	92	13.438	13.441	-0.003	97	44251	4.00	3.77	
174 1,2-Dichlorobenzene	146	13.479	13.473	0.006	97	51820	4.00	3.85	
175 o-diethylbenzene	119	13.496	13.493	0.003	95	43925	4.00	3.58	
176 1,2-Dibromo-3-Chloropropane	75	14.019	14.019	0.000	84	11537	4.00	3.91	
177 1,3,5-Trichlorobenzene	180	14.141	14.141	0.000	96	35402	4.00	3.74	
179 1,2,4-Trichlorobenzene	180	14.571	14.568	0.003	94	37115	4.00	3.86	
181 2-Ethylhexyl acrylate	55	14.622	14.622	0.000	80	34183	4.00	3.83	
180 Hexachlorobutadiene	225	14.648	14.648	0.000	96	11589	4.00	3.67	
182 Naphthalene	128	14.753	14.750	0.003	96	162013	4.00	3.97	
183 1,2,3-Trichlorobenzene	180	14.898	14.895	0.003	96	38315	4.00	3.85	
184 2-Methylnaphthalene	142	15.540	15.537	0.003	92	71537	4.00	3.64	
S 205 Total Diethylbenzene	1				0			10.9	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_CCV_VOC#1_00203	Amount Added:	4.00	Units: uL	
MSV_CCV_CYC_00010	Amount Added:	32.00	Units: uL	
MSV_CCV_VOC#3_00200	Amount Added:	3.20	Units: uL	
MSV_CCV_2CEVE_00195	Amount Added:	4.00	Units: uL	
MSV_CCV_ETOH_00007	Amount Added:	20.00	Units: uL	
MSV_CCV_GASES_00881	Amount Added:	2.00	Units: uL	
MSV_CCV_OH_Sp_00014	Amount Added:	4.00	Units: uL	
MSV_Cent_ISSS_00031	Amount Added:	5.00	Units: uL	Run Reagent

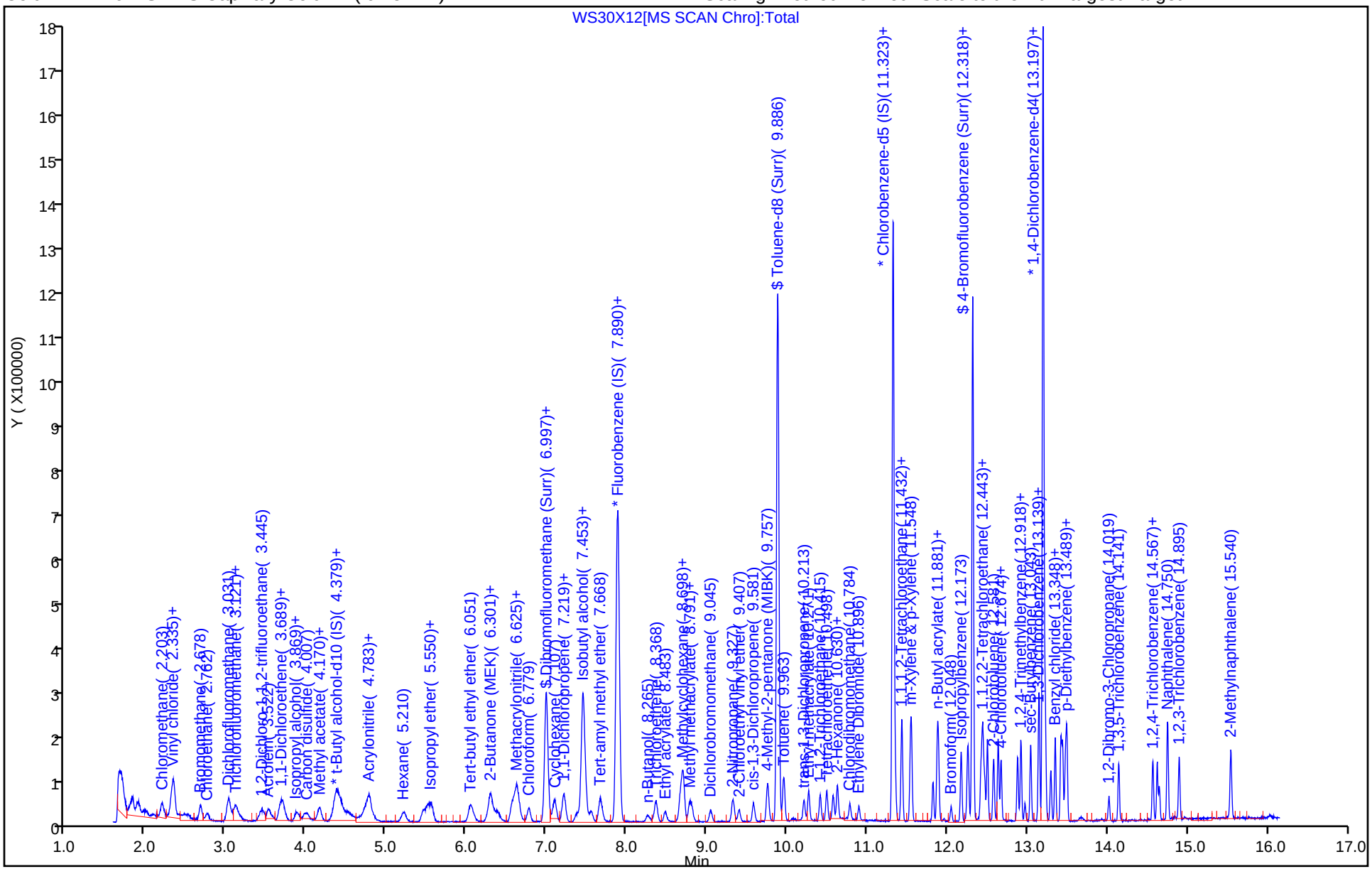
Report Date: 01-Oct-2024 09:09:03 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9137\20240930-126367.b\WS30X12.D

Injection Date:	30-Sep-2024 22:52:30	Instrument ID:	9137	Operator ID:	MCD07824
Lims ID:	IC v4			Worklist Smp#:	13
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	MSVoa_9137	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

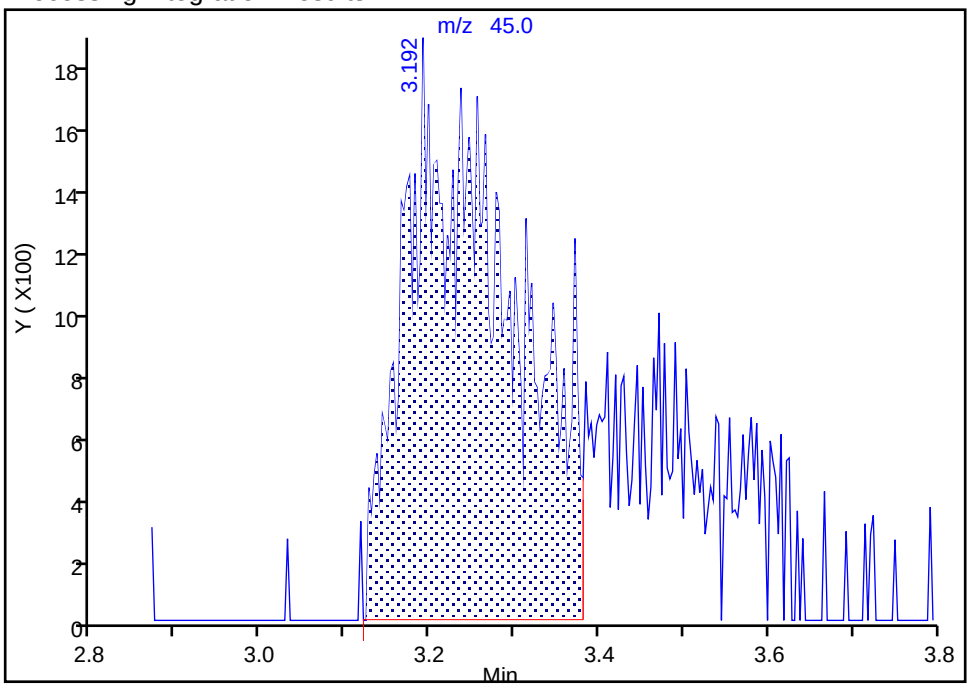
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Injection Date: 30-Sep-2024 22:52:30 Instrument ID: 9137
Lims ID: IC v4
Client ID:
Operator ID: MCD07824 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9137 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

17 Ethanol, CAS: 64-17-5

Signal: 1

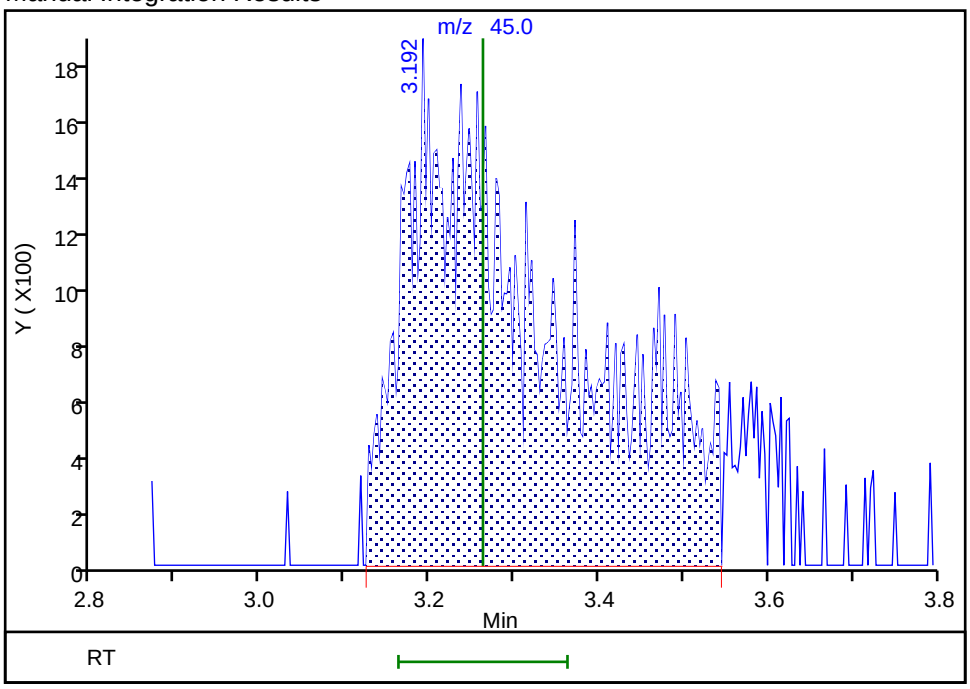
Processing Integration Results

RT: 3.19
Area: 15243
Amount: 205.3778
Amount Units: ug/l



Manual Integration Results

RT: 3.19
Area: 20737
Amount: 268.0623
Amount Units: ug/l



Reviewer: DVW2, 01-Oct-2024 08:16:23 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

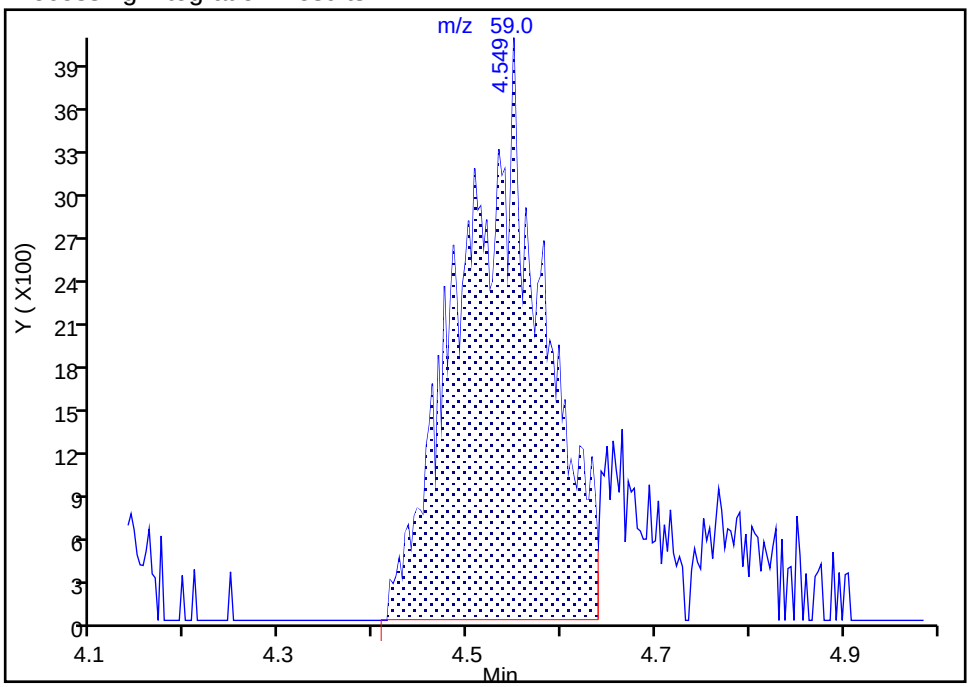
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Injection Date: 30-Sep-2024 22:52:30 Instrument ID: 9137
Lims ID: IC v4
Client ID:
Operator ID: MCD07824 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9137 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

33 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

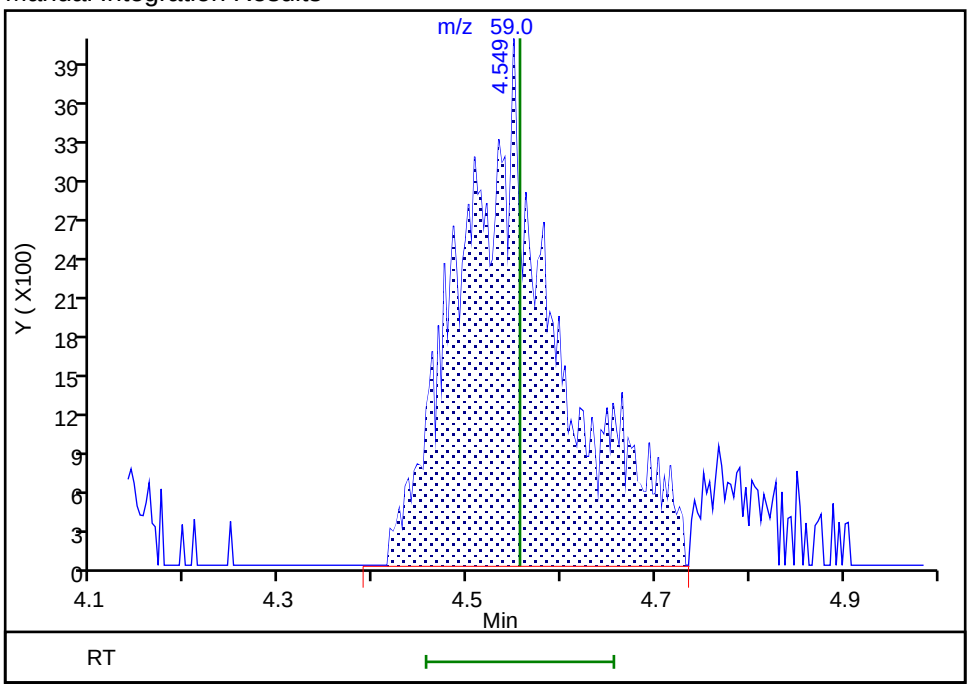
Processing Integration Results

RT: 4.55
Area: 23893
Amount: 17.700582
Amount Units: ug/l



Manual Integration Results

RT: 4.55
Area: 27936
Amount: 20.262255
Amount Units: ug/l



Reviewer: DVW2, 01-Oct-2024 08:16:38 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

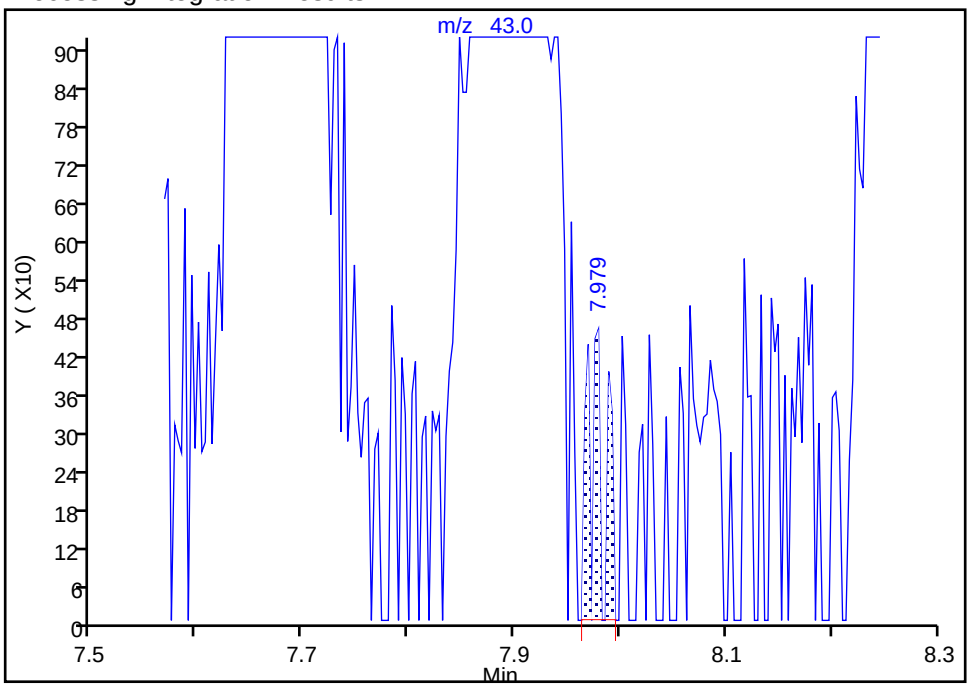
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Injection Date: 30-Sep-2024 22:52:30 Instrument ID: 9137
Lims ID: IC v4
Client ID:
Operator ID: MCD07824 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9137 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

66 n-Heptane, CAS: 142-82-5

Signal: 1

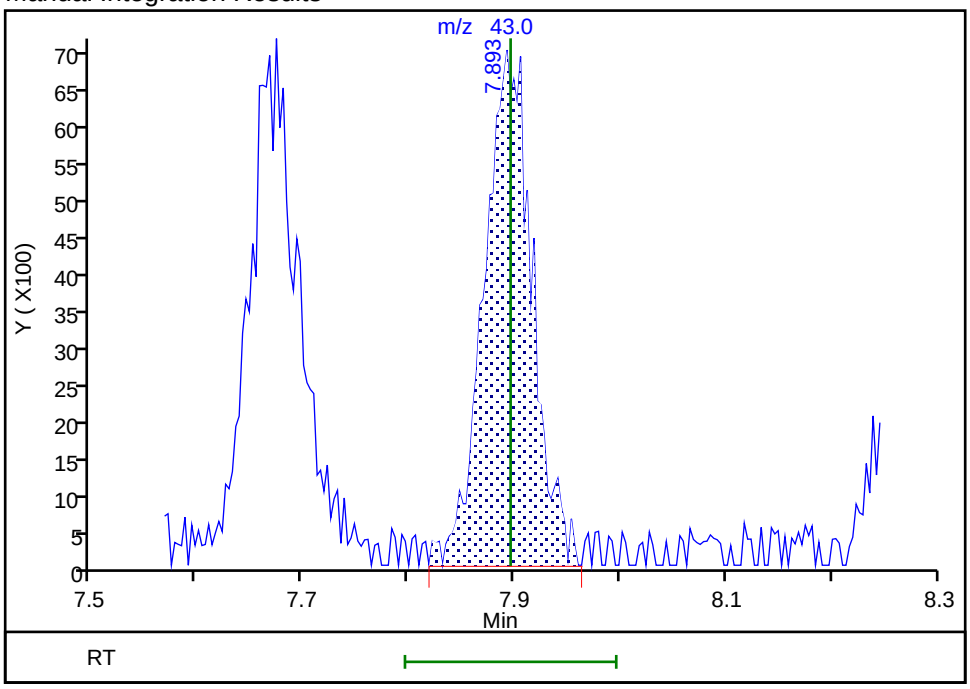
Processing Integration Results

RT: 7.98
Area: 459
Amount: 0.107364
Amount Units: ug/l



Manual Integration Results

RT: 7.89
Area: 22004
Amount: 3.915531
Amount Units: ug/l



Reviewer: DVW2, 01-Oct-2024 08:17:11 -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

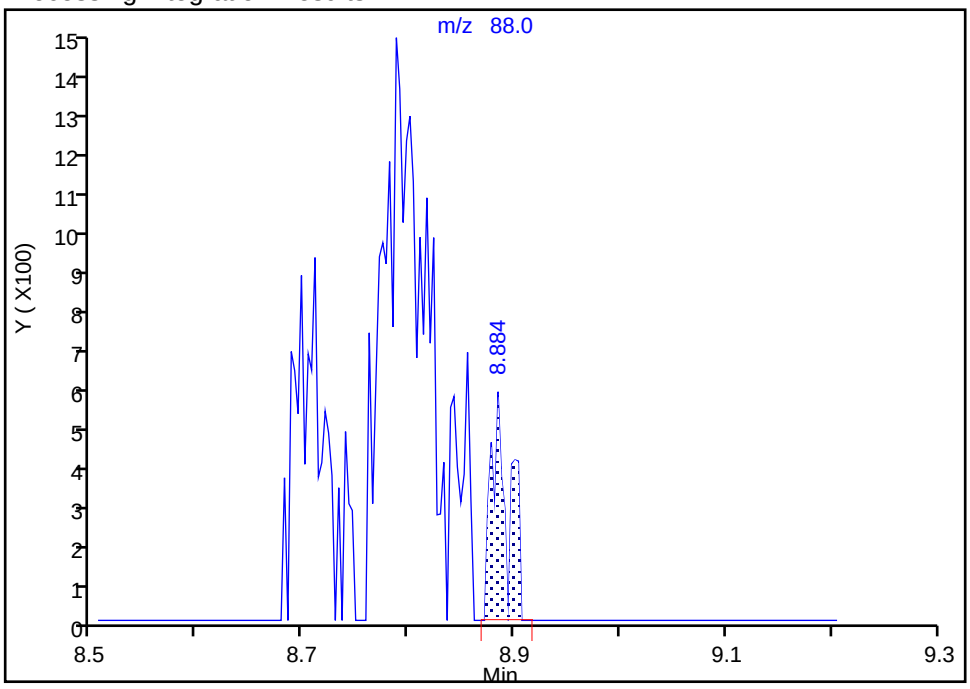
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Injection Date: 30-Sep-2024 22:52:30 Instrument ID: 9137
Lims ID: IC v4
Client ID:
Operator ID: MCD07824 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9137 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

75 1,4-Dioxane, CAS: 123-91-1

Signal: 1

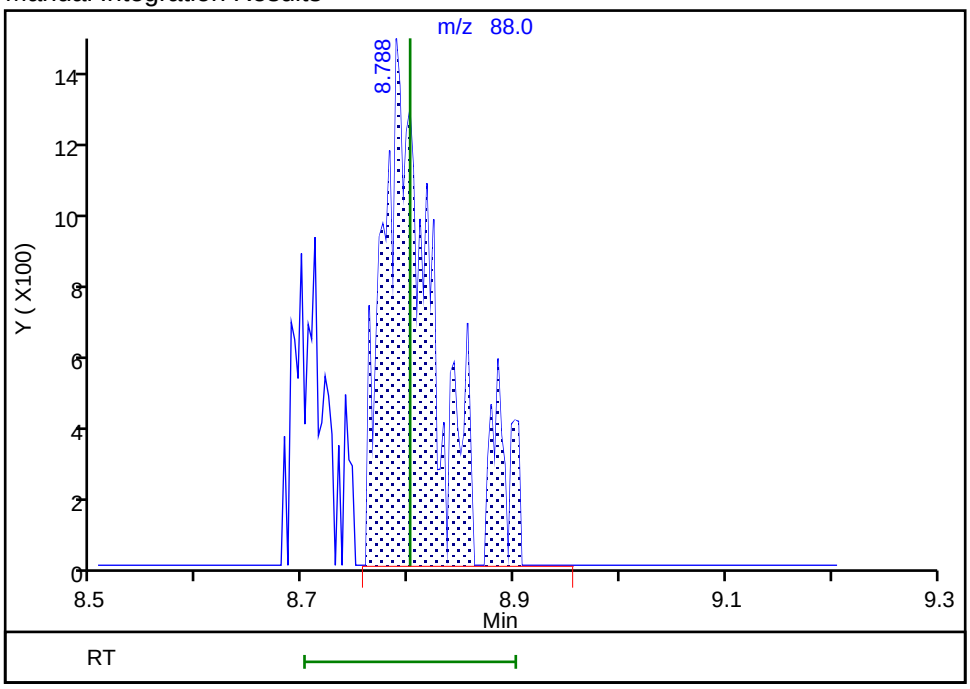
Processing Integration Results

RT: 8.88
Area: 660
Amount: 8.563086
Amount Units: ug/l



Manual Integration Results

RT: 8.79
Area: 5039
Amount: 51.714872
Amount Units: ug/l



Reviewer: DVW2, 01-Oct-2024 08:17:20 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

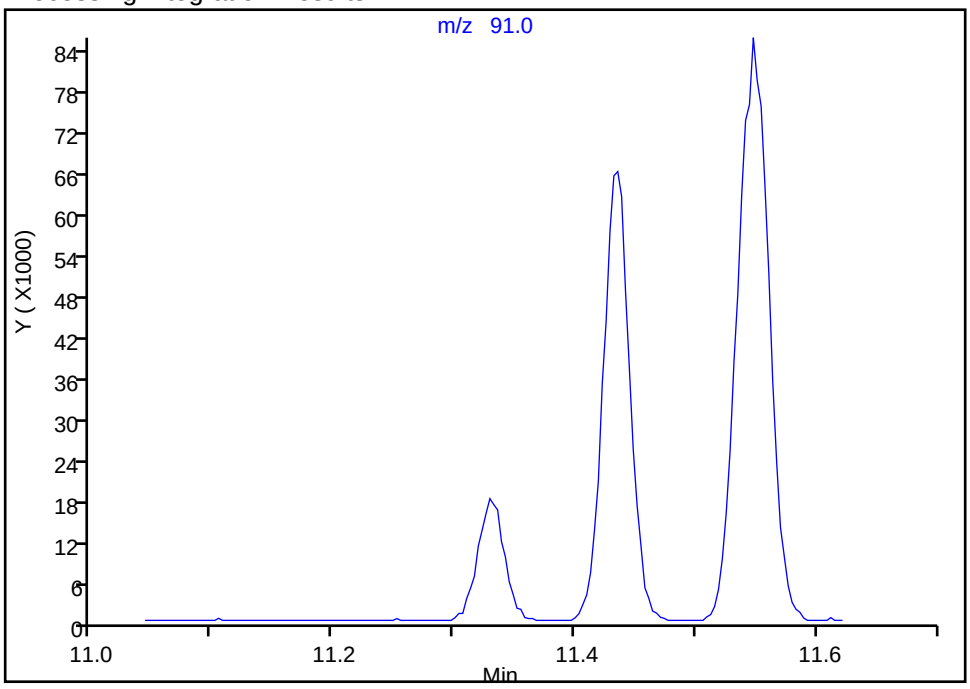
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Injection Date:	30-Sep-2024 22:52:30	Instrument ID:	9137		
Lims ID:	IC v4				
Client ID:					
Operator ID:	MCD07824	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9137	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

103 1-Chlorohexane, CAS: 544-10-5

Signal: 1

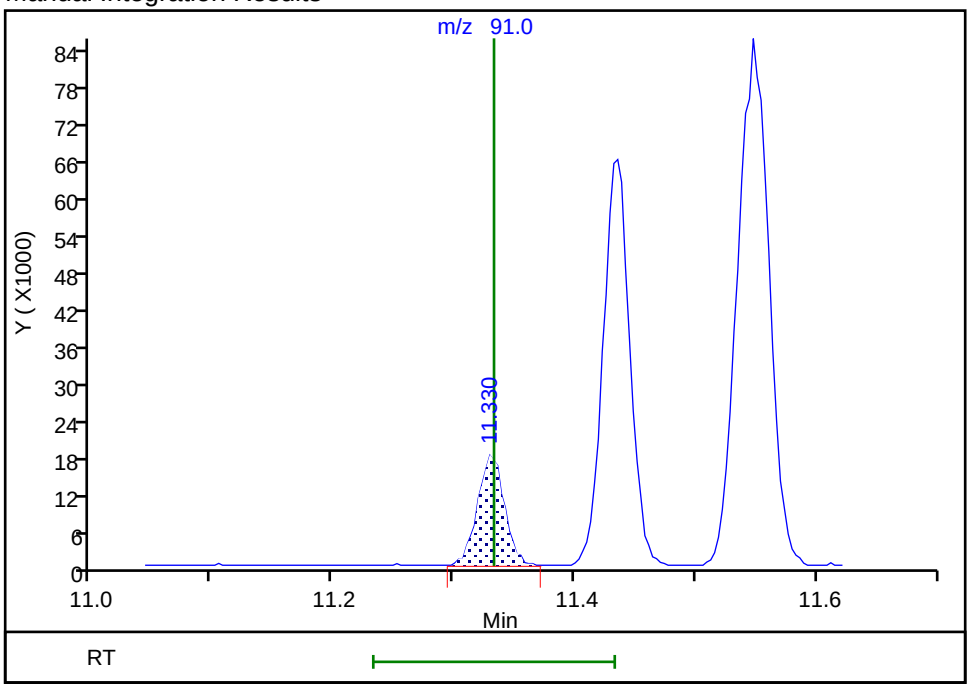
Not Detected
Expected RT: 11.33

Processing Integration Results



Manual Integration Results

RT: 11.33
Area: 27284
Amount: 3.876234
Amount Units: ug/l



Reviewer: DVW2, 01-Oct-2024 08:17:46 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9137\20240930-126367.b\WS30X13.D
Lims ID: IC v10
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 30-Sep-2024 23:13:30 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0126367-014
Misc. Info.: IC V10
Operator ID: MCD07824 Instrument ID: 9137
Sublist: chrom-MSVoa_9137*sub73

Method: \\chromfs\Lancaster\ChromData\9137\20240930-126367.b\MSVoa_9137.m
Limit Group: MSV - 8260C_D
Last Update: 01-Oct-2024 09:09:16 Calib Date: 01-Oct-2024 00:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9137\20240930-126367.b\WS30X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1618

First Level Reviewer: DVW2 Date: 01-Oct-2024 08:15:54

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
6 Dichlorodifluoromethane	85	2.004	2.014	-0.010	99	126241	10.0	10.5	
7 Chloromethane	50	2.203	2.210	-0.007	99	113914	10.0	9.84	
8 Vinyl chloride	62	2.322	2.326	-0.004	98	116935	10.0	10.2	
9 Butadiene	39	2.351	2.351	0.000	92	122330	10.0	10.5	
11 Bromomethane	94	2.688	2.688	0.000	89	81395	10.0	9.96	
12 Chloroethane	64	2.762	2.768	-0.006	100	58871	10.0	10.2	
13 Dichlorofluoromethane	67	3.034	3.038	-0.004	98	173341	10.0	10.0	
14 Trichlorofluoromethane	101	3.099	3.102	-0.003	97	142005	10.0	10.3	
15 Pentane	43	3.134	3.134	0.000	97	100293	10.0	10.3	
17 Ethanol	45	3.208	3.263	-0.055	65	45071	500.0	534.8	
18 1,2-Dichloro-1,1,2-trifluoroetha	67	3.458	3.445	0.013	90	83890	10.0	10.0	
19 Acrolein	56	3.535	3.532	0.003	98	156978	100.2	91.0	
21 1,1-Dichloroethene	96	3.673	3.686	-0.013	98	63084	10.0	11.3	
22 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.705	3.712	-0.007	90	79266	10.0	11.6	
20 Acetone	58	3.715	3.712	0.003	74	20209	20.0	19.5	
25 Iodomethane	142	3.894	3.888	0.006	98	125675	10.0	11.2	
23 Isopropyl alcohol	45	3.885	3.891	-0.006	46	52024	50.0	49.1	
26 Carbon disulfide	76	4.007	4.010	-0.003	98	218250	10.0	11.3	
28 Methyl acetate	43	4.148	4.148	0.000	96	67710	10.0	9.46	
27 3-Chloro-1-propene	41	4.167	4.171	-0.004	92	89626	10.0	11.1	
30 Methylene Chloride	84	4.392	4.379	0.013	92	69936	10.0	10.9	
* 32 t-Butyl alcohol-d10 (IS)	65	4.389	4.411	-0.022	45	339390	250.0	250.0	
33 2-Methyl-2-propanol	59	4.552	4.556	-0.004	86	89432	50.0	59.5	
34 Acrylonitrile	53	4.732	4.729	0.003	98	101537	25.0	26.9	
35 trans-1,2-Dichloroethene	96	4.787	4.790	-0.003	99	59156	10.0	11.1	
36 Methyl tert-butyl ether	73	4.780	4.793	-0.013	87	213445	10.0	10.8	
37 Hexane	57	5.220	5.223	-0.003	89	77863	10.0	11.6	
38 1,1-Dichloroethane	63	5.464	5.464	0.000	96	100808	10.0	11.1	
40 Isopropyl ether	45	5.515	5.515	0.000	96	188857	10.0	10.7	
41 2-Chloro-1,3-butadiene	53	5.570	5.570	0.000	90	91267	10.0	11.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
42 Tert-butyl ethyl ether	59	6.057	6.061	-0.004	97	201167	10.0	10.7	
S 80 1,2-Dichloroethene, Total	100				0			22.4	
44 2-Butanone (MEK)	43	6.266	6.272	-0.006	100	98336	20.0	19.4	
43 cis-1,2-Dichloroethene	96	6.295	6.301	-0.006	82	68285	10.0	11.2	
45 2,2-Dichloropropane	77	6.314	6.321	-0.007	86	111864	10.0	11.4	
47 Propionitrile	54	6.372	6.372	0.000	94	91611	50.0	54.2	
48 Methyl acrylate	55	6.391	6.394	-0.003	98	88897	10.0	9.92	
49 Methacrylonitrile	67	6.587	6.584	0.003	89	98585	25.0	26.6	
50 Chlorobromomethane	128	6.628	6.629	-0.001	92	33775	10.0	10.7	
51 Tetrahydrofuran	71	6.651	6.638	0.013	82	78310	50.0	53.1	
52 Chloroform	83	6.782	6.780	0.002	94	98503	10.0	11.0	
$ 54 Dibromofluoromethane (Surr)	113	6.994	6.994	0.000	93	260285	50.0	50.8	
55 1,1,1-Trichloroethane	97	7.014	7.014	0.000	95	104690	10.0	11.1	
56 Cyclohexane	56	7.107	7.100	0.007	92	127379	10.0	11.3	
58 Carbon tetrachloride	117	7.209	7.213	-0.004	95	86163	10.0	10.9	
57 1,1-Dichloropropene	75	7.212	7.219	-0.007	95	86728	10.0	11.0	
59 Isobutyl alcohol	41	7.389	7.396	-0.007	87	64417	125.0	128.7	
$ 60 1,2-Dichloroethane-d4 (Surr)	102	7.460	7.460	0.000	69	68561	50.0	51.3	
61 Benzene	78	7.482	7.485	-0.003	94	249581	10.0	11.1	
62 1,2-Dichloroethane	62	7.565	7.562	0.003	98	75882	10.0	10.7	
64 Tert-amyl methyl ether	73	7.675	7.678	-0.003	99	194635	10.0	10.6	
* 65 Fluorobenzene (IS)	96	7.890	7.886	0.004	99	1066744	50.0	50.0	
66 n-Heptane	43	7.899	7.896	0.003	40	67007	10.0	11.2	
67 n-Butanol	56	8.255	8.268	-0.013	83	47770	125.0	128.2	
68 Trichloroethene	95	8.368	8.368	0.000	98	65782	10.0	11.0	
69 Ethyl acrylate	55	8.477	8.480	-0.003	99	90502	10.0	9.74	
70 Methylcyclohexane	83	8.669	8.673	-0.004	93	117677	10.0	11.3	
71 1,2-Dichloropropane	63	8.701	8.702	-0.001	71	62997	10.0	11.0	
72 2-ethoxy-2-methyl butane	87	8.705	8.708	-0.003	92	93842	10.0	10.7	
74 Methyl methacrylate	69	8.788	8.785	0.003	89	58021	10.0	10.6	
75 1,4-Dioxane	88	8.794	8.801	-0.007	34	14715	125.0	138.6	M
73 Dibromomethane	93	8.811	8.811	0.000	96	40791	10.0	10.6	
77 Dichlorobromomethane	83	9.054	9.051	0.003	98	70112	10.0	10.7	
78 2-Nitropropane	41	9.327	9.327	0.000	97	121162	50.0	50.4	
79 2-Chloroethyl vinyl ether	63	9.401	9.401	0.000	89	40951	10.0	10.2	
81 cis-1,3-Dichloropropene	75	9.584	9.584	0.000	96	90713	10.0	10.3	
83 4-Methyl-2-pentanone (MIBK)	43	9.757	9.761	-0.004	95	195055	20.0	20.1	
$ 84 Toluene-d8 (Surr)	98	9.882	9.886	-0.004	93	1057709	50.0	49.9	
85 Toluene	92	9.963	9.956	0.007	98	155402	10.0	11.0	
S 162 1,3-Dichloropropene, Total	100				0			20.8	
86 trans-1,3-Dichloropropene	75	10.210	10.216	-0.006	92	82450	10.0	10.5	
87 Ethyl methacrylate	69	10.274	10.271	0.003	89	101270	10.0	10.7	
88 1,1,2-Trichloroethane	97	10.415	10.415	0.000	89	56809	10.0	10.6	
90 Tetrachloroethene	166	10.498	10.499	-0.001	98	67278	10.0	11.5	
91 1,3-Dichloropropane	76	10.575	10.576	-0.001	89	93895	10.0	10.7	
94 2-Hexanone	43	10.627	10.627	0.000	97	131400	20.0	19.2	
96 Chlorodibromomethane	129	10.787	10.784	0.003	90	55738	10.0	10.3	
98 Ethylene Dibromide	107	10.900	10.897	0.003	98	61637	10.0	10.7	
S 178 Xylenes, Total	106				0			33.5	
* 101 Chlorobenzene-d5 (IS)	117	11.323	11.326	-0.003	89	802802	50.0	50.0	
103 1-Chlorohexane	91	11.330	11.333	-0.003	96	84471	10.0	11.1	
102 Chlorobenzene	112	11.352	11.349	0.003	97	176291	10.0	11.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
104 1,1,1,2-Tetrachloroethane	131	11.429	11.432	-0.003	94	64569	10.0	10.8	
105 Ethylbenzene	91	11.435	11.436	-0.001	98	320655	10.0	11.3	
106 m-Xylene & p-Xylene	106	11.548	11.548	0.000	98	249947	20.0	22.4	
107 n-Butyl acrylate	55	11.824	11.824	0.000	97	137719	10.0	10.3	
108 o-Xylene	106	11.878	11.878	0.000	96	130757	10.0	11.2	
109 Styrene	104	11.891	11.891	0.000	93	196140	10.0	11.0	
110 Bromoform	173	12.048	12.049	-0.001	97	43534	10.0	10.4	
111 Isopropylbenzene	105	12.173	12.174	-0.001	95	299366	10.0	11.3	
113 Cyclohexanone	55	12.260	12.260	0.000	91	87206	250.0	244.4	
$ 114 4-Bromofluorobenzene (Surr)	95	12.318	12.318	0.000	89	403973	50.0	50.7	
116 1,1,2,2-Tetrachloroethane	83	12.421	12.421	0.000	95	110447	10.0	10.5	
115 Bromobenzene	156	12.437	12.437	0.000	95	75799	10.0	10.5	
119 trans-1,4-Dichloro-2-butene	53	12.446	12.446	0.000	88	72427	25.0	26.1	
118 1,2,3-Trichloropropane	110	12.469	12.469	0.000	84	34933	10.0	10.6	
120 N-Propylbenzene	91	12.501	12.501	0.000	99	374909	10.0	11.2	
121 2-Chlorotoluene	126	12.578	12.581	-0.003	98	82848	10.0	11.3	
122 1,3,5-Trimethylbenzene	105	12.636	12.636	0.000	94	268965	10.0	10.9	
123 4-Chlorotoluene	126	12.674	12.671	0.003	97	77545	10.0	11.1	
125 tert-Butylbenzene	134	12.876	12.880	-0.004	92	50116	10.0	10.8	
127 1,2,4-Trimethylbenzene	105	12.921	12.918	0.003	96	280702	10.0	11.0	
128 sec-Butylbenzene	105	13.043	13.043	0.000	93	330925	10.0	11.1	
131 1,3-Dichlorobenzene	146	13.143	13.143	0.000	98	145435	10.0	10.9	
132 4-Isopropyltoluene	119	13.149	13.149	0.000	97	291088	10.0	11.0	
* 133 1,4-Dichlorobenzene-d4	152	13.197	13.197	0.000	95	462443	50.0	50.0	
134 1,4-Dichlorobenzene	146	13.213	13.213	0.000	96	150165	10.0	10.9	
148 1,2,3-Trimethylbenzene	105	13.226	13.226	0.000	98	298365	10.0	10.8	
170 Benzyl chloride	91	13.293	13.294	-0.001	98	212954	10.0	10.4	
171 1,3-Diethylbenzene	119	13.348	13.348	0.000	95	167868	10.0	10.9	
172 p-Diethylbenzene	119	13.419	13.419	0.000	94	178630	10.0	11.1	
173 n-Butylbenzene	92	13.438	13.441	-0.003	97	138735	10.0	11.1	
174 1,2-Dichlorobenzene	146	13.476	13.473	0.003	97	155838	10.0	10.9	
175 o-diethylbenzene	119	13.492	13.493	-0.001	94	142947	10.0	11.0	
176 1,2-Dibromo-3-Chloropropane	75	14.022	14.019	0.003	87	33185	10.0	10.6	
177 1,3,5-Trichlorobenzene	180	14.141	14.141	0.000	97	108834	10.0	10.8	
179 1,2,4-Trichlorobenzene	180	14.567	14.568	-0.001	95	108661	10.0	10.7	
181 2-Ethylhexyl acrylate	55	14.622	14.622	0.000	80	92836	10.0	9.79	
180 Hexachlorobutadiene	225	14.648	14.648	0.000	97	37150	10.0	11.1	
182 Naphthalene	128	14.750	14.750	0.000	97	471458	10.0	10.9	
183 1,2,3-Trichlorobenzene	180	14.895	14.895	0.000	96	113766	10.0	10.8	
184 2-Methylnaphthalene	142	15.543	15.537	0.006	91	219275	10.0	10.5	
S 205 Total Diethylbenzene	1				0			33.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_VOC#1_00203	Amount Added:	2.00	Units: uL	
MSV_CCV_CYC_00010	Amount Added:	8.00	Units: uL	
MSV_CCV_VOC#3_00200	Amount Added:	1.60	Units: uL	
MSV_CCV_2CEVE_00195	Amount Added:	2.00	Units: uL	
MSV_CCV_ETOH_00007	Amount Added:	8.00	Units: uL	
MSV_CCV_GASES_00881	Amount Added:	1.00	Units: uL	
MSV_CCV_OH_Sp_00014	Amount Added:	2.00	Units: uL	
MSV_Cent_ISSS_00031	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 01-Oct-2024 09:09:17 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9137\20240930-126367.b\WS30X13.D

Injection Date: 30-Sep-2024 23:13:30 Instrument ID: 9137 Operator ID: MCD07824

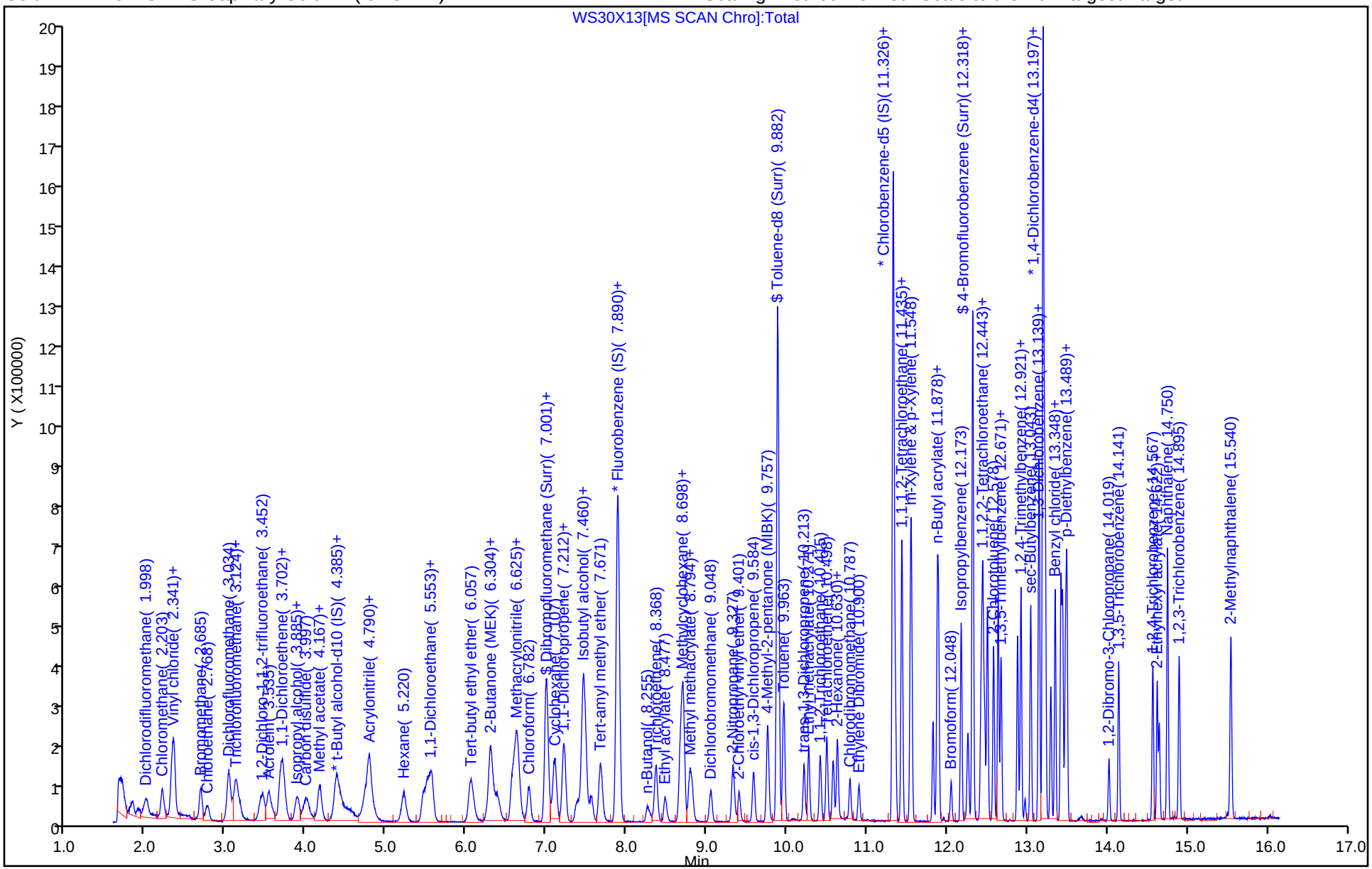
Lims ID: IC v10 Worklist Smp#: 14

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 13

Method: MSVoa_9137 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

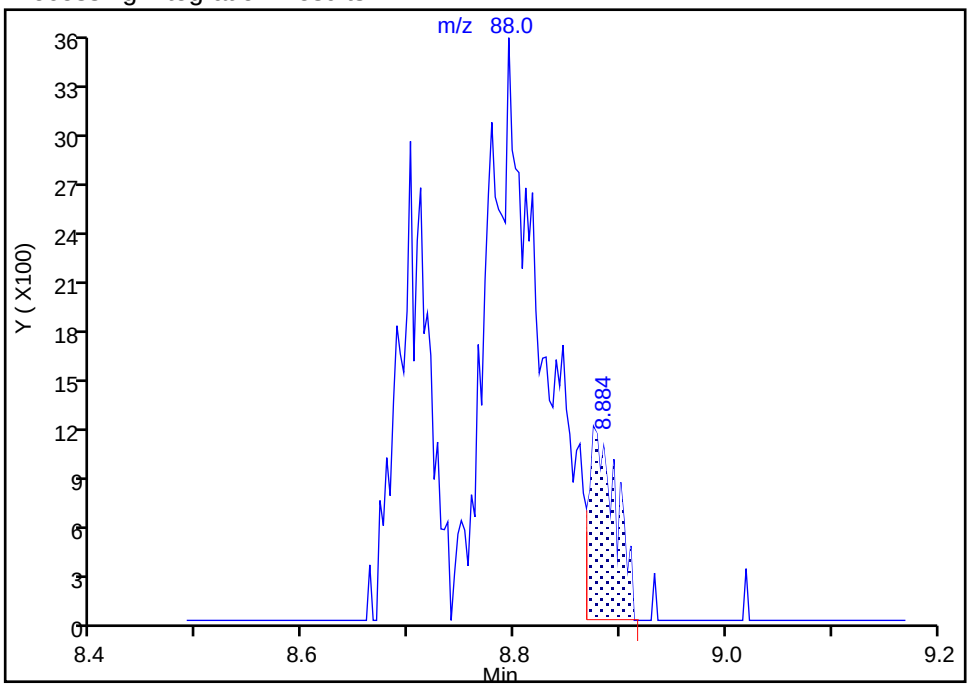
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Injection Date: 30-Sep-2024 23:13:30 Instrument ID: 9137
Lims ID: IC v10
Client ID:
Operator ID: MCD07824 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9137 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

75 1,4-Dioxane, CAS: 123-91-1

Signal: 1

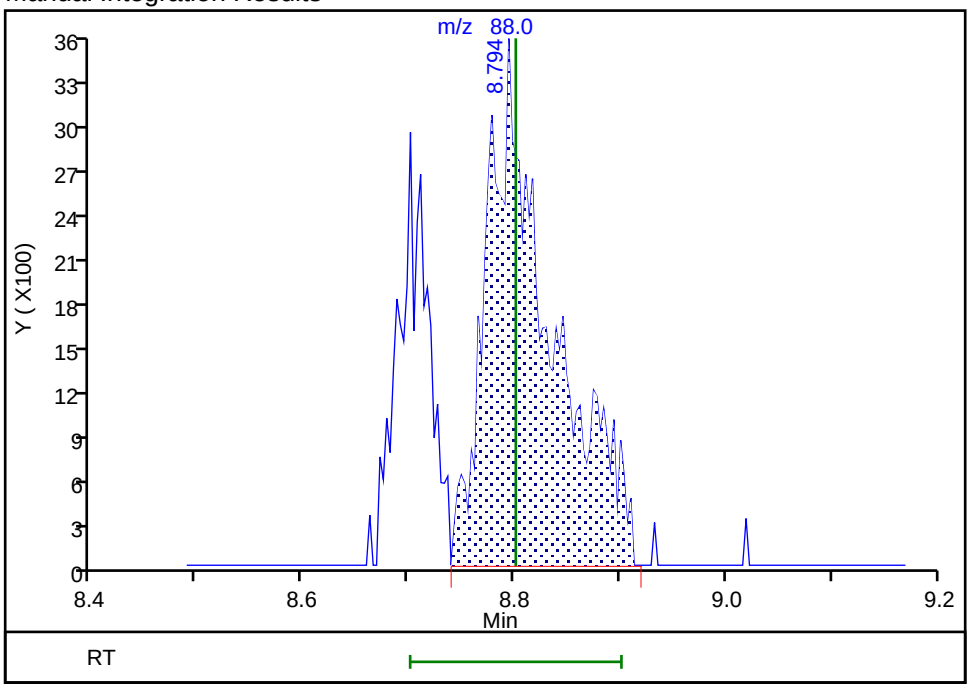
Processing Integration Results

RT: 8.88
Area: 2044
Amount: 29.417772
Amount Units: ug/l



Manual Integration Results

RT: 8.79
Area: 14715
Amount: 138.6300
Amount Units: ug/l



Reviewer: DVW2, 01-Oct-2024 08:15:21 -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\9137\20240930-126367.b\WS30X14.D
Lims ID: IC v20
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 30-Sep-2024 23:35:30 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0126367-015
Misc. Info.: IC V20
Operator ID: MCD07824 Instrument ID: 9137
Sublist: chrom-MSVoa_9137*sub73

Method: \\chromfs\Lancaster\ChromData\9137\20240930-126367.b\MSVoa_9137.m
Limit Group: MSV - 8260C_D
Last Update: 01-Oct-2024 09:09:31 Calib Date: 01-Oct-2024 00:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9137\20240930-126367.b\WS30X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1618

First Level Reviewer: DVW2 Date: 01-Oct-2024 08:14:32

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
6 Dichlorodifluoromethane	85	2.004	2.014	-0.010	99	244193	20.0	20.3	
7 Chloromethane	50	2.200	2.210	-0.010	100	231020	20.0	20.0	
8 Vinyl chloride	62	2.322	2.326	-0.004	98	233897	20.0	20.5	
9 Butadiene	39	2.348	2.351	-0.003	91	235313	20.0	20.3	
11 Bromomethane	94	2.682	2.688	-0.006	90	168162	20.0	20.6	
12 Chloroethane	64	2.762	2.768	-0.006	99	117820	20.0	20.5	
13 Dichlorofluoromethane	67	3.031	3.038	-0.007	98	353465	20.0	20.5	
14 Trichlorofluoromethane	101	3.102	3.102	0.000	97	283590	20.0	20.6	
15 Pentane	43	3.137	3.134	0.003	97	172064	20.0	17.7	
17 Ethanol	45	3.208	3.263	-0.055	68	86025	1000.0	1060.3	
18 1,2-Dichloro-1,1,2-trifluoroetha	67	3.452	3.445	0.007	92	167102	20.0	20.0	
19 Acrolein	56	3.535	3.532	0.003	99	327825	200.4	197.4	
21 1,1-Dichloroethene	96	3.680	3.686	-0.006	97	110203	20.0	19.8	
22 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.708	3.712	-0.004	93	129974	20.0	19.0	
20 Acetone	58	3.728	3.712	0.016	83	39936	40.0	40.1	
25 Iodomethane	142	3.891	3.888	0.003	97	223164	20.0	19.9	
23 Isopropyl alcohol	45	3.895	3.891	0.004	42	100468	100.0	98.5	
26 Carbon disulfide	76	4.000	4.010	-0.010	99	375072	20.0	19.4	
28 Methyl acetate	43	4.142	4.148	-0.006	96	127789	20.0	17.9	
27 3-Chloro-1-propene	41	4.171	4.171	-0.001	95	158260	20.0	19.6	
30 Methylene Chloride	84	4.379	4.379	0.000	91	125972	20.0	19.6	
* 32 t-Butyl alcohol-d10 (IS)	65	4.398	4.411	-0.013	39	326761	250.0	250.0	
33 2-Methyl-2-propanol	59	4.540	4.556	-0.016	96	138852	100.0	96.0	
34 Acrylonitrile	53	4.729	4.729	0.000	98	185025	50.0	49.1	
35 trans-1,2-Dichloroethene	96	4.787	4.790	-0.003	98	104169	20.0	19.6	
36 Methyl tert-butyl ether	73	4.796	4.793	0.003	88	390679	20.0	19.9	
37 Hexane	57	5.223	5.223	0.000	92	129999	20.0	19.4	
38 1,1-Dichloroethane	63	5.460	5.464	-0.004	96	180135	20.0	19.9	
40 Isopropyl ether	45	5.512	5.515	-0.003	95	341836	20.0	19.4	
41 2-Chloro-1,3-butadiene	53	5.566	5.570	-0.004	89	157987	20.0	19.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
42 Tert-butyl ethyl ether	59	6.054	6.061	-0.007	97	367803	20.0	19.7	
S 80 1,2-Dichloroethene, Total	100				0			39.3	
44 2-Butanone (MEK)	43	6.263	6.272	-0.009	100	184425	40.0	36.4	
43 cis-1,2-Dichloroethene	96	6.295	6.301	-0.006	82	118947	20.0	19.6	
45 2,2-Dichloropropane	77	6.320	6.321	-0.001	89	190346	20.0	19.4	
47 Propionitrile	54	6.372	6.372	0.000	83	159836	100.0	98.2	
48 Methyl acrylate	55	6.391	6.394	-0.003	99	176370	20.0	19.7	
49 Methacrylonitrile	67	6.587	6.584	0.003	90	178605	50.0	48.2	
50 Chlorobromomethane	128	6.629	6.629	0.000	93	61619	20.0	19.5	
51 Tetrahydrofuran	71	6.641	6.638	0.003	82	143535	100.0	101.1	
52 Chloroform	83	6.776	6.780	-0.004	94	179713	20.0	20.2	
$ 54 Dibromofluoromethane (Surr)	113	6.991	6.994	-0.003	93	256027	50.0	50.1	
55 1,1,1-Trichloroethane	97	7.007	7.014	-0.007	97	186755	20.0	19.8	
56 Cyclohexane	56	7.097	7.100	-0.003	88	212304	20.0	18.9	
58 Carbon tetrachloride	117	7.216	7.213	0.003	91	151629	20.0	19.2	
57 1,1-Dichloropropene	75	7.216	7.219	-0.003	96	152659	20.0	19.5	
59 Isobutyl alcohol	41	7.392	7.396	-0.004	94	115447	250.0	239.5	
$ 60 1,2-Dichloroethane-d4 (Surr)	102	7.450	7.460	-0.010	73	65251	50.0	48.9	
61 Benzene	78	7.489	7.485	0.004	96	443155	20.0	19.7	
62 1,2-Dichloroethane	62	7.556	7.562	-0.006	97	136665	20.0	19.3	
64 Tert-amyl methyl ether	73	7.675	7.678	-0.003	99	358722	20.0	19.5	
* 65 Fluorobenzene (IS)	96	7.886	7.886	0.000	98	1064233	50.0	50.0	
66 n-Heptane	43	7.890	7.896	-0.006	78	110058	20.0	18.4	
67 n-Butanol	56	8.262	8.268	-0.006	88	89073	250.0	248.3	
68 Trichloroethene	95	8.365	8.368	-0.003	97	114827	20.0	19.3	
69 Ethyl acrylate	55	8.477	8.480	-0.003	99	179441	20.0	19.4	
70 Methylcyclohexane	83	8.673	8.673	0.000	89	192677	20.0	18.6	
71 1,2-Dichloropropane	63	8.708	8.702	0.006	68	113266	20.0	19.9	
72 2-ethoxy-2-methyl butane	87	8.705	8.708	-0.003	92	168579	20.0	19.3	
74 Methyl methacrylate	69	8.788	8.785	0.003	89	106423	20.0	19.5	
75 1,4-Dioxane	88	8.788	8.801	-0.013	40	25645	250.0	250.9	
73 Dibromomethane	93	8.811	8.811	0.000	97	76226	20.0	19.8	
77 Dichlorobromomethane	83	9.048	9.051	-0.003	99	128768	20.0	19.6	
78 2-Nitropropane	41	9.324	9.327	-0.003	96	225257	100.0	97.4	a
79 2-Chloroethyl vinyl ether	63	9.404	9.401	0.003	91	80181	20.0	20.0	
81 cis-1,3-Dichloropropene	75	9.584	9.584	0.000	97	168580	20.0	19.3	
83 4-Methyl-2-pentanone (MIBK)	43	9.764	9.761	0.003	96	376731	40.0	38.9	
$ 84 Toluene-d8 (Surr)	98	9.886	9.886	0.000	93	1055634	50.0	50.2	
85 Toluene	92	9.959	9.956	0.003	98	280084	20.0	20.1	
S 162 1,3-Dichloropropene, Total	100				0			38.9	
86 trans-1,3-Dichloropropene	75	10.213	10.216	-0.003	92	153062	20.0	19.6	
87 Ethyl methacrylate	69	10.271	10.271	0.000	89	186129	20.0	19.9	
88 1,1,2-Trichloroethane	97	10.415	10.415	0.000	90	106443	20.0	20.1	
90 Tetrachloroethene	166	10.498	10.499	-0.001	97	116351	20.0	20.1	
91 1,3-Dichloropropane	76	10.575	10.576	-0.001	90	170065	20.0	19.6	
94 2-Hexanone	43	10.630	10.627	0.003	96	261431	40.0	38.5	
96 Chlorodibromomethane	129	10.787	10.784	0.003	90	105190	20.0	19.6	
98 Ethylene Dibromide	107	10.896	10.897	-0.001	100	113870	20.0	19.9	
S 178 Xylenes, Total	106				0			60.7	
* 101 Chlorobenzene-d5 (IS)	117	11.326	11.326	0.000	85	795660	50.0	50.0	
103 1-Chlorohexane	91	11.333	11.333	0.000	95	147283	20.0	19.5	
102 Chlorobenzene	112	11.349	11.349	0.000	96	314129	20.0	19.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
104 1,1,1,2-Tetrachloroethane	131	11.429	11.432	-0.003	93	121473	20.0	20.4	
105 Ethylbenzene	91	11.435	11.436	-0.001	98	568033	20.0	20.3	
106 m-Xylene & p-Xylene	106	11.548	11.548	0.000	98	445831	40.0	40.2	
107 n-Butyl acrylate	55	11.821	11.824	-0.003	98	271854	20.0	20.4	
108 o-Xylene	106	11.878	11.878	0.000	96	237351	20.0	20.5	
109 Styrene	104	11.891	11.891	0.000	94	362328	20.0	20.5	
110 Bromoform	173	12.052	12.049	0.003	96	82064	20.0	19.8	
111 Isopropylbenzene	105	12.174	12.174	0.000	95	532286	20.0	20.2	
113 Cyclohexanone	55	12.260	12.260	0.000	91	174668	500.0	508.5	
$ 114 4-Bromofluorobenzene (Surr)	95	12.318	12.318	0.000	90	400112	50.0	50.7	
116 1,1,2,2-Tetrachloroethane	83	12.424	12.421	0.003	96	204947	20.0	19.9	
115 Bromobenzene	156	12.437	12.437	0.000	97	139723	20.0	19.8	
119 trans-1,4-Dichloro-2-butene	53	12.443	12.446	-0.003	86	135245	50.0	49.6	
118 1,2,3-Trichloropropane	110	12.466	12.469	-0.003	85	66284	20.0	20.6	
120 N-Propylbenzene	91	12.501	12.501	0.000	98	669028	20.0	20.4	
121 2-Chlorotoluene	126	12.581	12.581	0.000	97	145549	20.0	20.3	
122 1,3,5-Trimethylbenzene	105	12.636	12.636	0.000	94	489273	20.0	20.2	
123 4-Chlorotoluene	126	12.671	12.671	0.000	96	140752	20.0	20.5	
125 tert-Butylbenzene	134	12.876	12.880	-0.004	92	90555	20.0	19.8	
127 1,2,4-Trimethylbenzene	105	12.921	12.918	0.003	97	518755	20.0	20.7	
128 sec-Butylbenzene	105	13.043	13.043	0.000	94	584906	20.0	20.0	
131 1,3-Dichlorobenzene	146	13.143	13.143	0.000	98	265570	20.0	20.2	
132 4-Isopropyltoluene	119	13.149	13.149	0.000	97	522782	20.0	20.2	
* 133 1,4-Dichlorobenzene-d4	152	13.197	13.197	0.000	94	453443	50.0	50.0	
134 1,4-Dichlorobenzene	146	13.216	13.213	0.003	95	271695	20.0	20.2	
148 1,2,3-Trimethylbenzene	105	13.223	13.226	-0.003	98	552194	20.0	20.4	
170 Benzyl chloride	91	13.293	13.294	-0.001	98	411643	20.0	20.5	
171 1,3-Diethylbenzene	119	13.348	13.348	0.000	95	307584	20.0	20.4	
172 p-Diethylbenzene	119	13.419	13.419	0.000	94	321104	20.0	20.3	
173 n-Butylbenzene	92	13.441	13.441	0.000	98	246884	20.0	20.2	
174 1,2-Dichlorobenzene	146	13.476	13.473	0.003	98	286694	20.0	20.4	
175 o-diethylbenzene	119	13.496	13.493	0.003	95	258709	20.0	20.2	
176 1,2-Dibromo-3-Chloropropane	75	14.019	14.019	0.000	87	60083	20.0	19.5	
177 1,3,5-Trichlorobenzene	180	14.141	14.141	0.000	98	204171	20.0	20.7	
179 1,2,4-Trichlorobenzene	180	14.564	14.568	-0.004	94	205643	20.0	20.6	
181 2-Ethylhexyl acrylate	55	14.622	14.622	0.000	81	193099	20.0	20.8	
180 Hexachlorobutadiene	225	14.648	14.648	0.000	97	63391	20.0	19.3	
182 Naphthalene	128	14.750	14.750	0.000	97	886191	20.0	20.8	
183 1,2,3-Trichlorobenzene	180	14.895	14.895	0.000	96	214692	20.0	20.7	
184 2-Methylnaphthalene	142	15.540	15.537	0.003	93	427257	20.0	20.9	
S 205 Total Diethylbenzene	1				0			61.0	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

MSV_CCV_VOC#1_00203	Amount Added:	4.00	Units: uL	
MSV_CCV_CYC_00010	Amount Added:	16.00	Units: uL	
MSV_CCV_VOC#3_00200	Amount Added:	3.20	Units: uL	
MSV_CCV_2CEVE_00195	Amount Added:	4.00	Units: uL	
MSV_CCV_ETOH_00007	Amount Added:	16.00	Units: uL	
MSV_CCV_GASES_00881	Amount Added:	2.00	Units: uL	
MSV_CCV_OH_Sp_00014	Amount Added:	4.00	Units: uL	
MSV_Cent_ISSS_00031	Amount Added:	5.00	Units: uL	Run Reagent

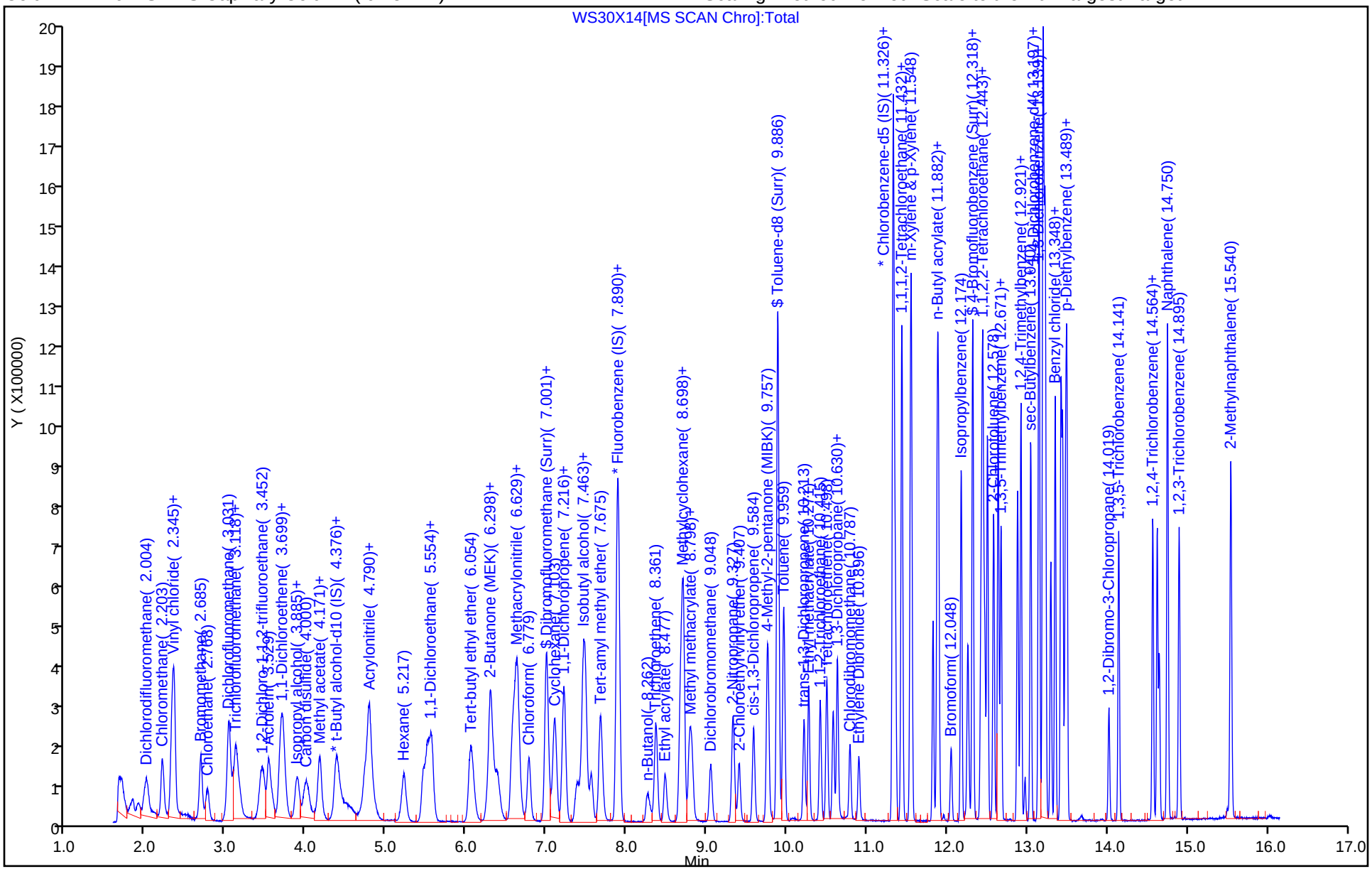
Report Date: 01-Oct-2024 09:09:31 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9137\20240930-126367.b\WS30X14.D

Injection Date:	30-Sep-2024 23:35:30	Instrument ID:	9137	Operator ID:	MCD07824
Lims ID:	IC v20			Worklist Smp#:	15
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	MSVoa_9137	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

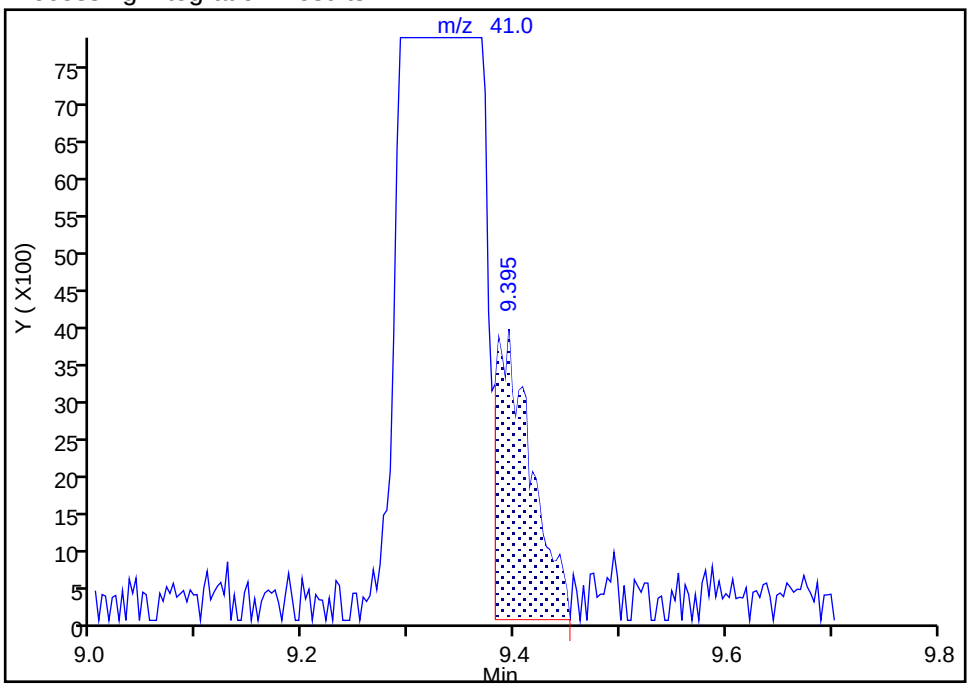
Data File: \\chromfs\Lancaster\ChromData\9137\20240930-126367.b\WS30X14.D
Injection Date: 30-Sep-2024 23:35:30 Instrument ID: 9137
Lims ID: IC v20
Client ID:
Operator ID: MCD07824 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9137 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

78 2-Nitropropane, CAS: 79-46-9

Signal: 1

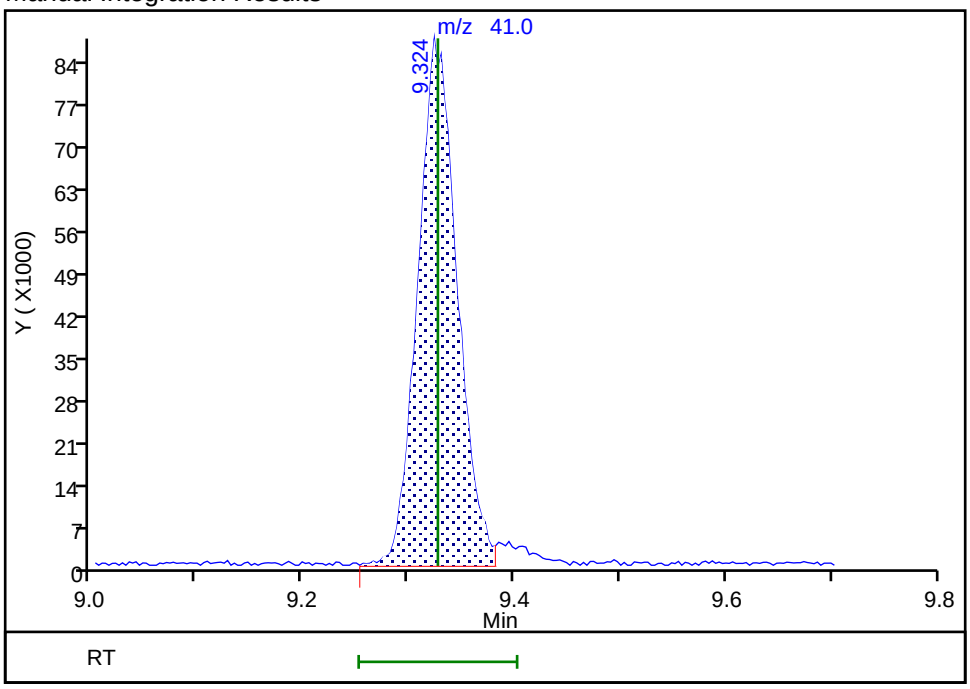
Processing Integration Results

RT: 9.39
Area: 9017
Amount: 4.498440
Amount Units: ug/l



Manual Integration Results

RT: 9.32
Area: 225257
Amount: 97.371079
Amount Units: ug/l



Reviewer: DVW2, 01-Oct-2024 08:27:06 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9137\20240930-126367.b\WS30X15.D
Lims ID: ICIS v50
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 30-Sep-2024 23:57:30 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0126367-016
Misc. Info.: ICIS V50
Operator ID: MCD07824 Instrument ID: 9137
Sublist: chrom-MSVoa_9137*sub73

Method: \\chromfs\Lancaster\ChromData\9137\20240930-126367.b\MSVoa_9137.m
Limit Group: MSV - 8260C_D
Last Update: 01-Oct-2024 09:09:44 Calib Date: 01-Oct-2024 00:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9137\20240930-126367.b\WS30X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1618

First Level Reviewer: DVW2 Date: 01-Oct-2024 08:11:32

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
6 Dichlorodifluoromethane	85	2.014	2.014	0.000	100	631663	50.0	54.5	
7 Chloromethane	50	2.210	2.210	0.000	99	562489	50.0	50.5	
8 Vinyl chloride	62	2.326	2.326	0.000	99	583066	50.0	52.8	
9 Butadiene	39	2.351	2.351	0.000	91	602098	50.0	53.7	
11 Bromomethane	94	2.688	2.688	0.000	89	395486	50.0	50.3	
12 Chloroethane	64	2.768	2.768	0.000	100	287114	50.0	51.9	
13 Dichlorofluoromethane	67	3.038	3.038	0.000	98	858850	50.0	51.6	
14 Trichlorofluoromethane	101	3.102	3.102	0.000	99	715831	50.0	53.8	
15 Pentane	43	3.134	3.134	0.000	99	513440	50.0	54.7	
17 Ethanol	45	3.263	3.263	0.000	94	107553	1250.0	1305.9	
18 1,2-Dichloro-1,1,2-trifluoroetha	67	3.445	3.445	0.000	93	424446	50.0	52.6	
19 Acrolein	56	3.532	3.532	0.000	100	908029	501.1	538.6	
21 1,1-Dichloroethene	96	3.686	3.686	0.000	98	300766	50.0	56.1	
22 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.712	3.712	0.000	93	392257	50.0	59.5	
20 Acetone	58	3.712	3.712	0.000	87	112579	100.0	111.3	
25 Iodomethane	142	3.888	3.888	0.000	97	602414	50.0	55.6	
23 Isopropyl alcohol	45	3.891	3.891	0.000	36	216098	250.0	208.6	
26 Carbon disulfide	76	4.010	4.010	0.000	99	1052311	50.0	56.3	
28 Methyl acetate	43	4.148	4.148	0.000	97	319591	50.0	46.4	
27 3-Chloro-1-propene	41	4.171	4.171	0.000	93	412294	50.0	52.8	
30 Methylene Chloride	84	4.379	4.379	0.000	92	329895	50.0	53.3	
* 32 t-Butyl alcohol-d10 (IS)	65	4.418	4.418	0.000	54	331685	250.0	250.0	M
33 2-Methyl-2-propanol	59	4.556	4.556	0.000	99	357369	250.0	243.5	
34 Acrylonitrile	53	4.729	4.729	0.000	100	461493	125.0	126.8	
35 trans-1,2-Dichloroethene	96	4.790	4.790	0.000	100	279840	50.0	54.7	
36 Methyl tert-butyl ether	73	4.793	4.793	0.000	96	982792	50.0	51.8	
37 Hexane	57	5.223	5.223	0.000	91	386643	50.0	59.6	
38 1,1-Dichloroethane	63	5.464	5.464	0.000	96	478304	50.0	54.9	
40 Isopropyl ether	45	5.515	5.515	0.000	98	896028	50.0	52.7	
41 2-Chloro-1,3-butadiene	53	5.570	5.570	0.000	90	432569	50.0	54.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
42 Tert-butyl ethyl ether	59	6.061	6.061	0.000	97	950862	50.0	52.6	
44 2-Butanone (MEK)	43	6.272	6.272	0.000	98	485120	100.0	99.2	
43 cis-1,2-Dichloroethene	96	6.301	6.301	0.000	82	314959	50.0	53.8	
45 2,2-Dichloropropane	77	6.321	6.321	0.000	86	521021	50.0	54.9	
47 Propionitrile	54	6.372	6.372	0.000	98	430222	250.0	260.4	
48 Methyl acrylate	55	6.394	6.394	0.000	99	450638	50.0	52.2	
49 Methacrylonitrile	67	6.584	6.584	0.000	91	461032	125.0	129.0	
50 Chlorobromomethane	128	6.629	6.629	0.000	92	158304	50.0	51.9	
51 Tetrahydrofuran	71	6.638	6.638	0.000	87	376066	250.0	260.9	
52 Chloroform	83	6.780	6.780	0.000	94	467281	50.0	54.4	
$ 54 Dibromofluoromethane (Surr)	113	6.994	6.994	0.000	93	246198	50.0	49.9	
55 1,1,1-Trichloroethane	97	7.014	7.014	0.000	98	511785	50.0	56.1	
56 Cyclohexane	56	7.100	7.100	0.000	89	626166	50.0	57.7	
58 Carbon tetrachloride	117	7.213	7.213	0.000	96	439100	50.0	57.7	
57 1,1-Dichloropropene	75	7.219	7.219	0.000	96	423183	50.0	55.9	
59 Isobutyl alcohol	41	7.396	7.396	0.000	97	290478	625.0	593.6	
$ 60 1,2-Dichloroethane-d4 (Surr)	102	7.460	7.460	0.000	69	63729	50.0	49.5	
61 Benzene	78	7.485	7.485	0.000	96	1170854	50.0	54.0	
62 1,2-Dichloroethane	62	7.562	7.562	0.000	97	357436	50.0	52.2	
64 Tert-amyl methyl ether	73	7.678	7.678	0.000	99	941751	50.0	53.1	
* 65 Fluorobenzene (IS)	96	7.893	7.893	0.000	98	1027456	50.0	50.0	
66 n-Heptane	43	7.896	7.896	0.000	86	324671	50.0	56.2	
67 n-Butanol	56	8.268	8.268	0.000	89	236256	625.0	648.7	
68 Trichloroethene	95	8.368	8.368	0.000	98	313360	50.0	54.4	
69 Ethyl acrylate	55	8.480	8.480	0.000	99	460511	50.0	51.5	
70 Methylcyclohexane	83	8.673	8.673	0.000	90	588915	50.0	58.8	
71 1,2-Dichloropropane	63	8.702	8.702	0.000	71	298526	50.0	54.3	
72 2-ethoxy-2-methyl butane	87	8.708	8.708	0.000	93	453463	50.0	53.7	
74 Methyl methacrylate	69	8.785	8.785	0.000	91	271635	50.0	51.7	
75 1,4-Dioxane	88	8.801	8.801	0.000	69	66023	625.0	636.5	
73 Dibromomethane	93	8.811	8.811	0.000	97	201450	50.0	54.3	
77 Dichlorobromomethane	83	9.051	9.051	0.000	100	344935	50.0	54.5	
78 2-Nitropropane	41	9.327	9.327	0.000	97	623712	250.0	265.6	
79 2-Chloroethyl vinyl ether	63	9.401	9.401	0.000	92	208384	50.0	53.7	
81 cis-1,3-Dichloropropene	75	9.584	9.584	0.000	97	454848	50.0	53.9	
83 4-Methyl-2-pentanone (MIBK)	43	9.761	9.761	0.000	96	1004649	100.0	107.4	
$ 84 Toluene-d8 (Surr)	98	9.886	9.886	0.000	93	1029795	50.0	49.7	
85 Toluene	92	9.956	9.956	0.000	98	745106	50.0	54.2	a
86 trans-1,3-Dichloropropene	75	10.216	10.216	0.000	92	408566	50.0	53.0	
87 Ethyl methacrylate	69	10.271	10.271	0.000	89	494123	50.0	53.5	
88 1,1,2-Trichloroethane	97	10.415	10.415	0.000	91	272842	50.0	52.3	
90 Tetrachloroethene	166	10.499	10.499	0.000	97	319313	50.0	56.0	
91 1,3-Dichloropropane	76	10.576	10.576	0.000	90	449913	50.0	52.5	
94 2-Hexanone	43	10.627	10.627	0.000	96	680130	100.0	101.7	
96 Chlorodibromomethane	129	10.784	10.784	0.000	89	291011	50.0	54.9	
98 Ethylene Dibromide	107	10.897	10.897	0.000	99	296908	50.0	52.6	
* 101 Chlorobenzene-d5 (IS)	117	11.327	11.327	0.000	84	784435	50.0	50.0	
103 1-Chlorohexane	91	11.333	11.333	0.000	96	409587	50.0	55.1	
102 Chlorobenzene	112	11.349	11.349	0.000	96	854128	50.0	54.9	
104 1,1,1,2-Tetrachloroethane	131	11.432	11.432	0.000	96	328233	50.0	56.0	
105 Ethylbenzene	91	11.436	11.436	0.000	98	1524986	50.0	55.2	
106 m-Xylene & p-Xylene	106	11.548	11.548	0.000	98	1212604	100.0	111.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
107 n-Butyl acrylate	55	11.824	11.824	0.000	98	684286	50.0	52.2	
108 o-Xylene	106	11.878	11.878	0.000	96	634165	50.0	55.5	
109 Styrene	104	11.891	11.891	0.000	94	955508	50.0	54.7	
110 Bromoform	173	12.049	12.049	0.000	97	227330	50.0	55.6	
111 Isopropylbenzene	105	12.174	12.174	0.000	95	1469615	50.0	56.6	
113 Cyclohexanone	55	12.260	12.260	0.000	91	224855	625.0	644.8	
$ 114 4-Bromofluorobenzene (Surr)	95	12.318	12.318	0.000	90	384224	50.0	49.3	
116 1,1,2,2-Tetrachloroethane	83	12.421	12.421	0.000	95	532444	50.0	53.5	
115 Bromobenzene	156	12.437	12.437	0.000	96	372621	50.0	54.8	
119 trans-1,4-Dichloro-2-butene	53	12.446	12.446	0.000	87	357093	125.0	135.9	
118 1,2,3-Trichloropropane	110	12.469	12.469	0.000	85	165960	50.0	53.5	
120 N-Propylbenzene	91	12.501	12.501	0.000	98	1807071	50.0	57.2	
121 2-Chlorotoluene	126	12.581	12.581	0.000	97	383026	50.0	55.2	
122 1,3,5-Trimethylbenzene	105	12.636	12.636	0.000	94	1351601	50.0	57.8	
123 4-Chlorotoluene	126	12.671	12.671	0.000	97	371921	50.0	56.3	
125 tert-Butylbenzene	134	12.880	12.880	0.000	92	255538	50.0	58.0	
127 1,2,4-Trimethylbenzene	105	12.918	12.918	0.000	97	1391606	50.0	57.4	a
128 sec-Butylbenzene	105	13.043	13.043	0.000	94	1654457	50.0	58.5	
131 1,3-Dichlorobenzene	146	13.143	13.143	0.000	98	703470	50.0	55.5	
132 4-Isopropyltoluene	119	13.149	13.149	0.000	97	1464846	50.0	58.7	
* 133 1,4-Dichlorobenzene-d4	152	13.194	13.194	0.000	95	437516	50.0	50.0	
134 1,4-Dichlorobenzene	146	13.213	13.213	0.000	95	713643	50.0	54.9	
148 1,2,3-Trimethylbenzene	105	13.226	13.226	0.000	98	1470812	50.0	56.4	
170 Benzyl chloride	91	13.294	13.294	0.000	98	1083073	50.0	55.8	
171 1,3-Diethylbenzene	119	13.348	13.348	0.000	95	842062	50.0	58.0	
172 p-Diethylbenzene	119	13.419	13.419	0.000	95	886382	50.0	58.2	
173 n-Butylbenzene	92	13.441	13.441	0.000	97	691864	50.0	58.7	
174 1,2-Dichlorobenzene	146	13.473	13.473	0.000	98	746109	50.0	55.1	
175 o-diethylbenzene	119	13.493	13.493	0.000	94	712566	50.0	57.7	
176 1,2-Dibromo-3-Chloropropane	75	14.019	14.019	0.000	88	159791	50.0	53.9	
177 1,3,5-Trichlorobenzene	180	14.141	14.141	0.000	98	538079	50.0	56.6	
179 1,2,4-Trichlorobenzene	180	14.568	14.568	0.000	95	535424	50.0	55.5	
181 2-Ethylhexyl acrylate	55	14.622	14.622	0.000	80	513944	50.0	57.3	
180 Hexachlorobutadiene	225	14.648	14.648	0.000	98	184404	50.0	58.1	
182 Naphthalene	128	14.750	14.750	0.000	97	2290063	50.0	55.8	
183 1,2,3-Trichlorobenzene	180	14.895	14.895	0.000	96	557108	50.0	55.7	
184 2-Methylnaphthalene	142	15.537	15.537	0.000	92	1134637	50.0	57.5	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_CCV_VOC#1_00203	Amount Added:	5.00	Units: uL	
MSV_CCV_CYC_00010	Amount Added:	10.00	Units: uL	
MSV_CCV_VOC#3_00200	Amount Added:	4.00	Units: uL	
MSV_CCV_2CEVE_00195	Amount Added:	5.00	Units: uL	
MSV_CCV_ETOH_00007	Amount Added:	10.00	Units: uL	
MSV_CCV_GASES_00881	Amount Added:	2.50	Units: uL	
MSV_CCV_OH_Sp_00014	Amount Added:	5.00	Units: uL	
MSV_Cent_ISSS_00031	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 01-Oct-2024 09:09:44 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9137\20240930-126367.b\WS30X15.D

Injection Date: 30-Sep-2024 23:57:30 Instrument ID: 9137 Operator ID: MCD07824

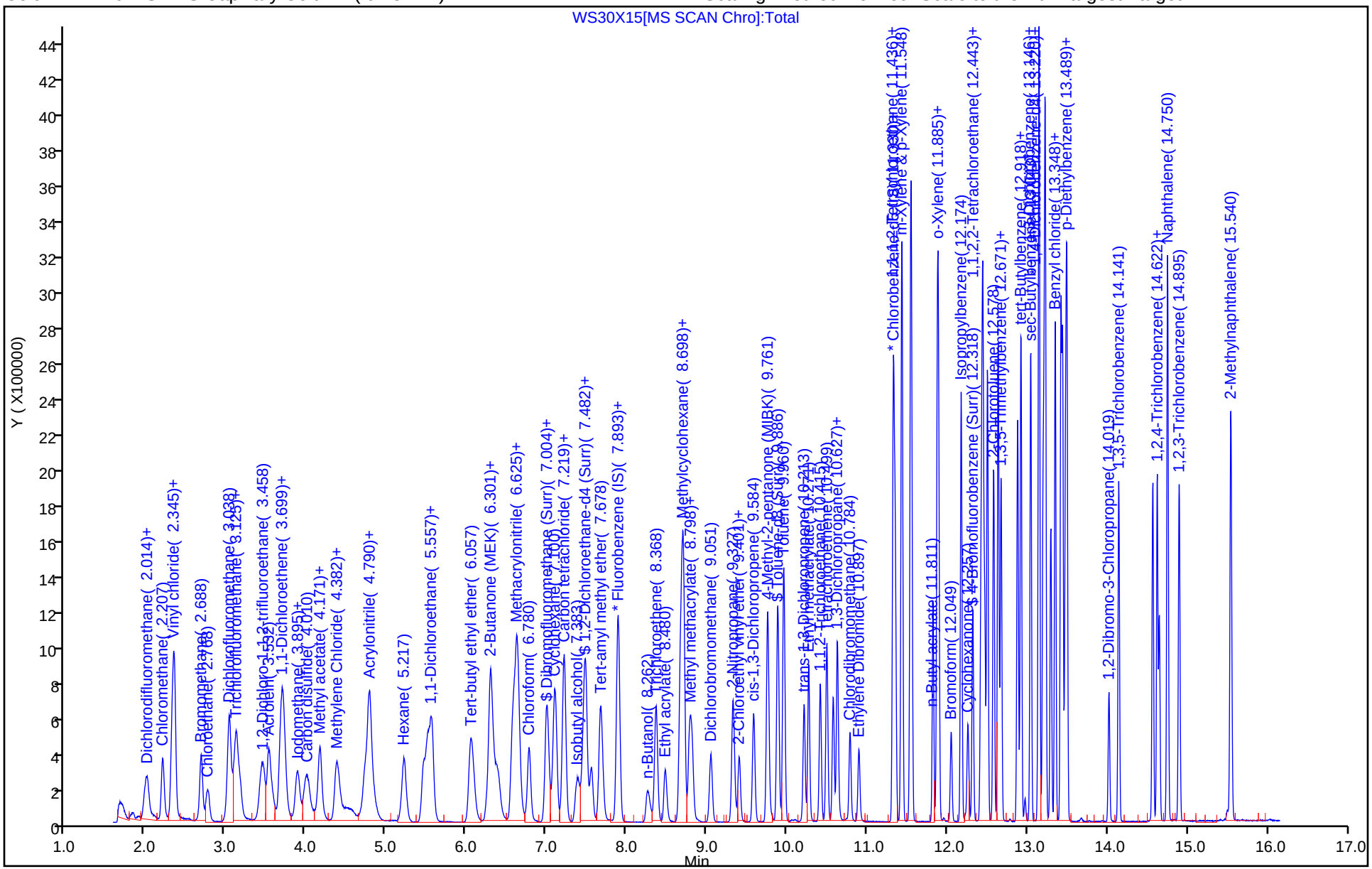
Lims ID: ICIS v50 Worklist Smp#: 16

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 15

Method: MSVoa_9137 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

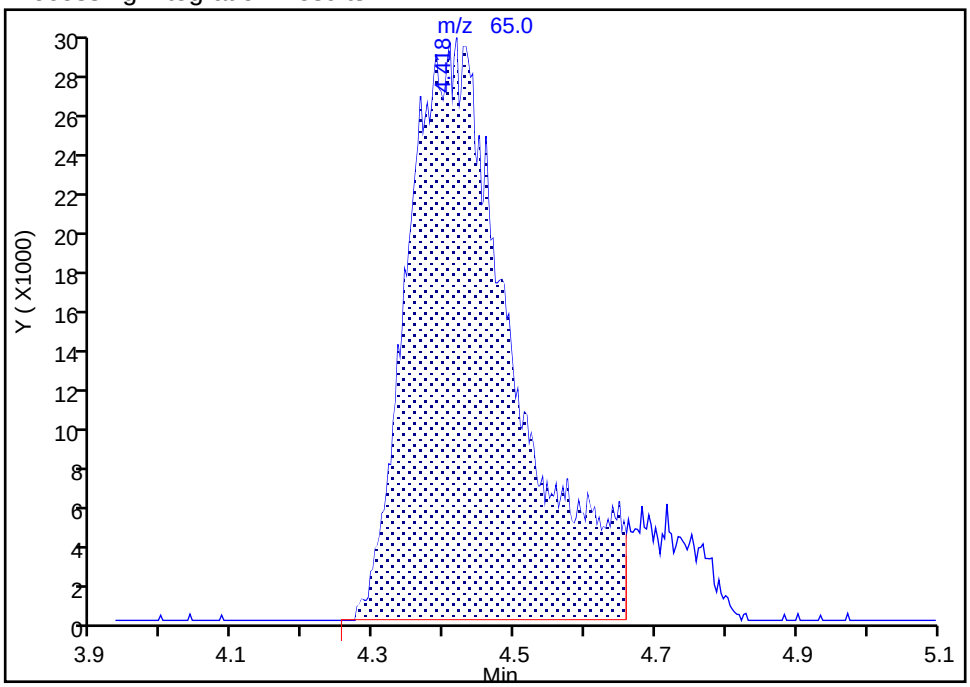
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Injection Date: 30-Sep-2024 23:57:30 Instrument ID: 9137
Lims ID: ICIS v50
Client ID:
Operator ID: MCD07824 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9137 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

* 32 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

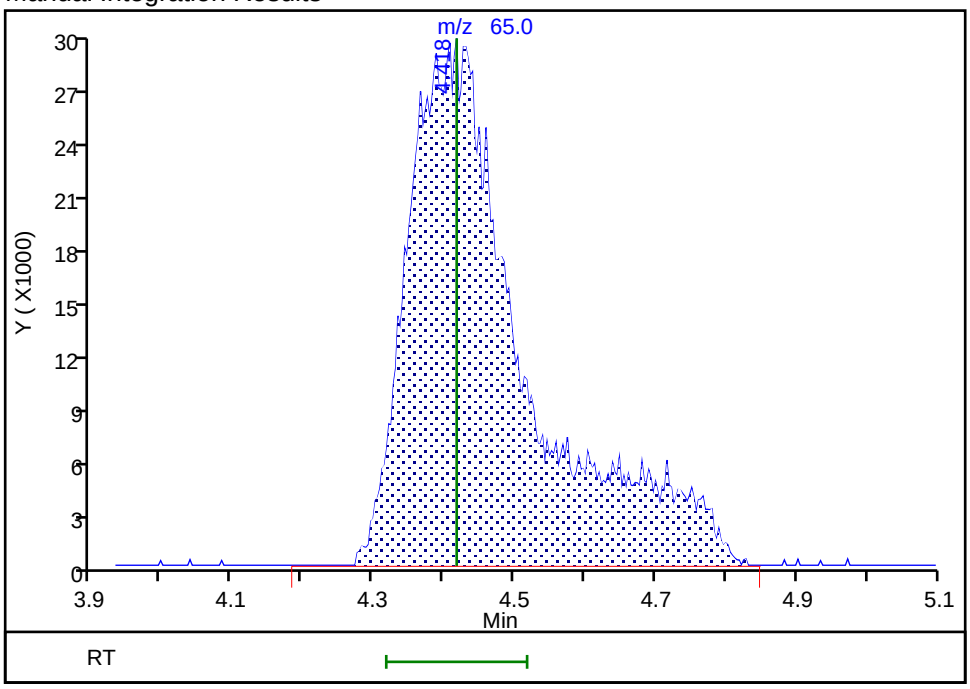
Processing Integration Results

RT: 4.42
Area: 299166
Amount: 250.0000
Amount Units: ug/l



Manual Integration Results

RT: 4.42
Area: 331685
Amount: 250.0000
Amount Units: ug/l



Reviewer: DVW2, 01-Oct-2024 08:10:31 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

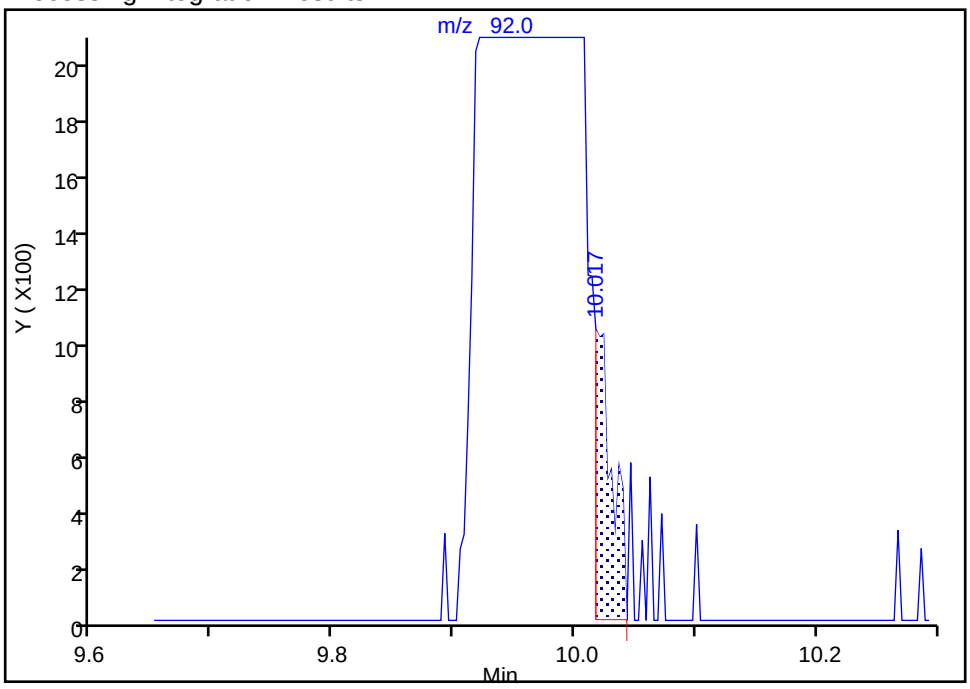
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Injection Date:	30-Sep-2024 23:57:30	Instrument ID:	9137		
Lims ID:	ICIS v50				
Client ID:					
Operator ID:	MCD07824	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9137	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

85 Toluene, CAS: 108-88-3

Signal: 1

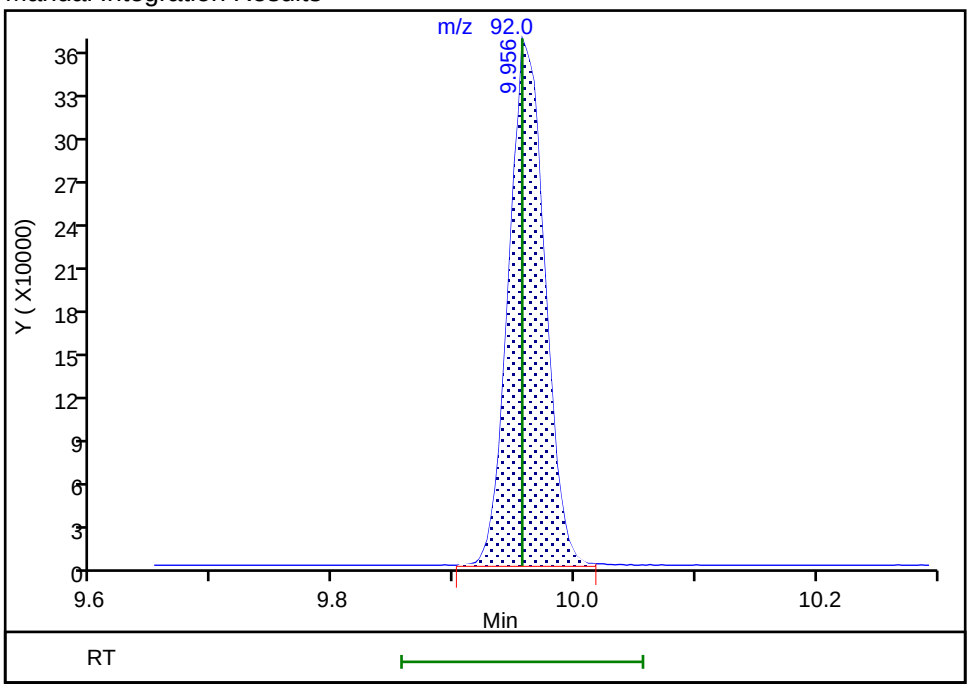
Processing Integration Results

RT: 10.02
Area: 1026
Amount: 0.088238
Amount Units: ug/l



Manual Integration Results

RT: 9.96
Area: 745106
Amount: 54.175568
Amount Units: ug/l



Reviewer: DVW2, 01-Oct-2024 08:10:52 -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

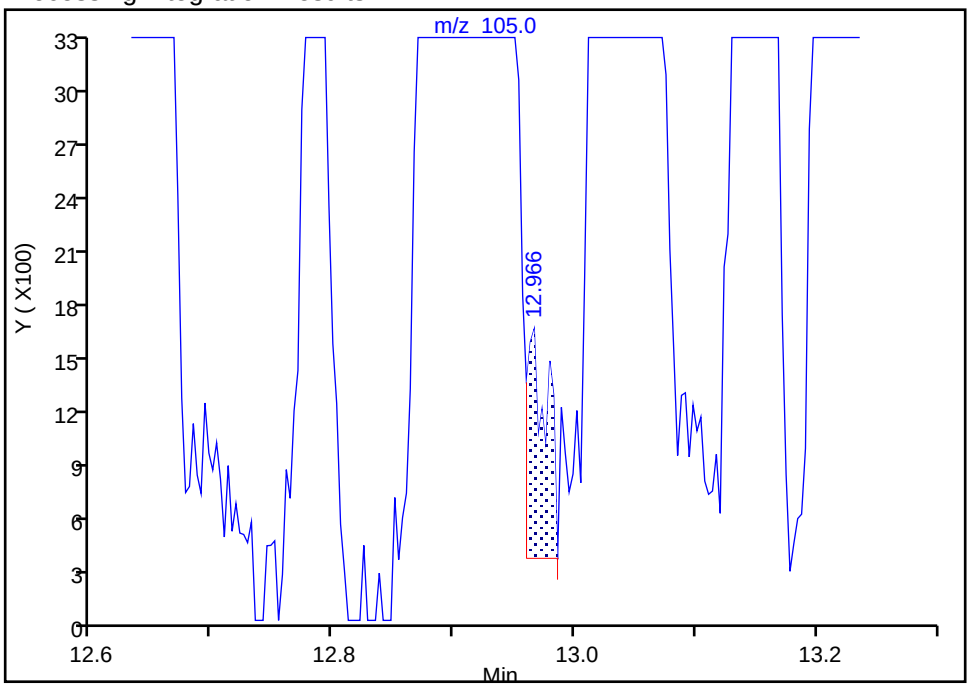
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Injection Date: 30-Sep-2024 23:57:30 Instrument ID: 9137
Lims ID: ICIS v50
Client ID:
Operator ID: MCD07824 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9137 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

127 1,2,4-Trimethylbenzene, CAS: 95-63-6

Signal: 1

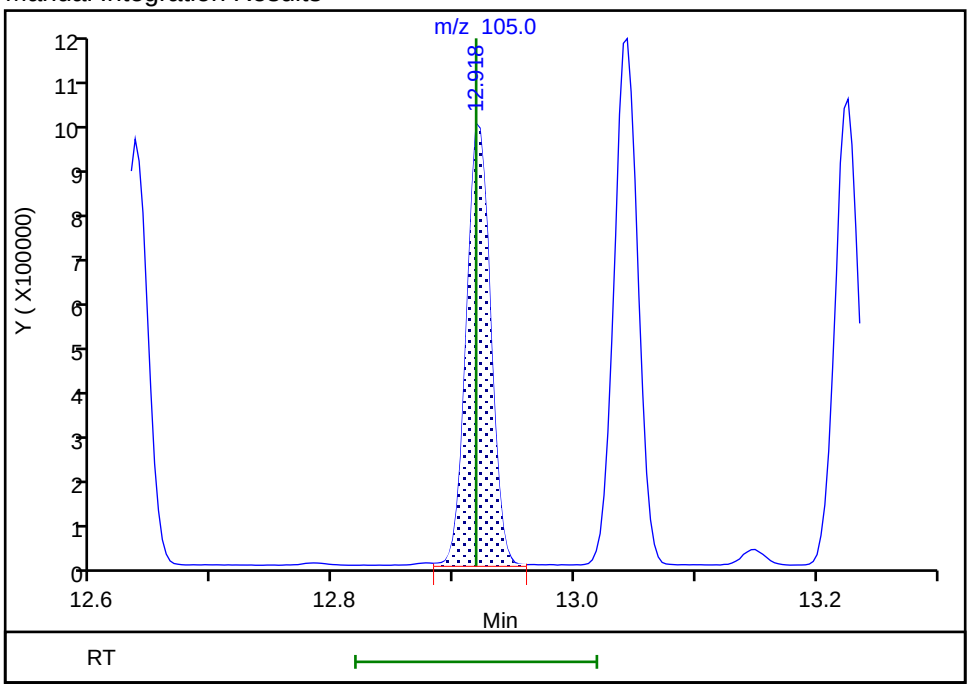
Processing Integration Results

RT: 12.97
Area: 1457
Amount: 0.071895
Amount Units: ug/l



Manual Integration Results

RT: 12.92
Area: 1391606
Amount: 57.415161
Amount Units: ug/l



Reviewer: DVW2, 01-Oct-2024 08:11:09 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9137\20240930-126367.b\WS30X16.D
Lims ID: IC v100
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 01-Oct-2024 00:19:30 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0126367-017
Misc. Info.: IC V100
Operator ID: MCD07824 Instrument ID: 9137
Sublist: chrom-MSVoa_9137*sub73

Method: \\chromfs\Lancaster\ChromData\9137\20240930-126367.b\MSVoa_9137.m
Limit Group: MSV - 8260C_D
Last Update: 01-Oct-2024 09:10:00 Calib Date: 01-Oct-2024 00:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9137\20240930-126367.b\WS30X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1618

First Level Reviewer: DVW2 Date: 01-Oct-2024 08:12:23

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
6 Dichlorodifluoromethane	85	2.008	2.014	-0.006	100	1215566	100.0	101.1	
7 Chloromethane	50	2.207	2.210	-0.003	99	1091227	100.0	94.4	
8 Vinyl chloride	62	2.329	2.326	0.003	98	1121083	100.0	97.9	
9 Butadiene	39	2.348	2.351	-0.003	90	1116534	100.0	96.1	
11 Bromomethane	94	2.685	2.688	-0.003	90	788498	100.0	96.6	
12 Chloroethane	64	2.771	2.768	0.003	100	557286	100.0	97.0	
13 Dichlorofluoromethane	67	3.034	3.038	-0.004	98	1689772	100.0	98.0	
14 Trichlorofluoromethane	101	3.102	3.102	0.000	99	1378198	100.0	100.0	
15 Pentane	43	3.134	3.134	0.000	97	944815	100.0	97.0	
17 Ethanol	45	3.208	3.263	-0.055	31	221490	2499.9	2502.0	
18 1,2-Dichloro-1,1,2-trifluoroetha	67	3.452	3.445	0.007	93	804766	100.0	96.2	
19 Acrolein	56	3.529	3.532	-0.003	100	1837909	1002.1	1014.3	
21 1,1-Dichloroethene	96	3.683	3.686	-0.003	99	556071	100.0	99.9	
22 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.712	3.712	0.000	93	722309	100.0	105.7	
20 Acetone	58	3.715	3.712	0.003	87	216846	200.0	199.5	
25 Iodomethane	142	3.894	3.888	0.006	97	1123749	100.0	100.0	
23 Isopropyl alcohol	45	3.882	3.891	-0.009	38	514901	500.0	462.5	
26 Carbon disulfide	76	4.000	4.010	-0.010	99	1965619	100.0	101.4	
28 Methyl acetate	43	4.145	4.148	-0.003	99	642933	100.0	89.9	
27 3-Chloro-1-propene	41	4.177	4.171	0.006	93	781807	100.0	96.5	
30 Methylene Chloride	84	4.379	4.379	0.000	92	615161	100.0	95.8	
* 32 t-Butyl alcohol-d10 (IS)	65	4.430	4.418	0.012	61	356519	250.0	250.0	
33 2-Methyl-2-propanol	59	4.568	4.556	0.012	98	715990	500.0	453.8	
34 Acrylonitrile	53	4.729	4.729	0.000	99	921930	250.0	244.3	
35 trans-1,2-Dichloroethene	96	4.793	4.790	0.003	99	521986	100.0	98.3	
36 Methyl tert-butyl ether	73	4.787	4.793	-0.006	89	1923316	100.0	97.7	
37 Hexane	57	5.213	5.223	-0.010	92	720430	100.0	107.1	
38 1,1-Dichloroethane	63	5.457	5.464	-0.007	97	893090	100.0	98.8	
40 Isopropyl ether	45	5.518	5.515	0.003	97	1736327	100.0	98.4	
41 2-Chloro-1,3-butadiene	53	5.566	5.570	-0.004	90	816717	100.0	99.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
42 Tert-butyl ethyl ether	59	6.064	6.061	0.003	97	1852385	100.0	98.8	
S 80 1,2-Dichloroethene, Total	100				0			196.0	
44 2-Butanone (MEK)	43	6.282	6.272	0.010	100	957170	200.0	188.7	
43 cis-1,2-Dichloroethene	96	6.295	6.301	-0.006	82	593010	100.0	97.7	
45 2,2-Dichloropropane	77	6.317	6.321	-0.004	89	1001457	100.0	101.8	
47 Propionitrile	54	6.372	6.372	0.000	97	864732	500.0	487.0	
48 Methyl acrylate	55	6.394	6.394	0.000	100	881834	100.0	98.5	
49 Methacrylonitrile	67	6.584	6.584	0.000	92	903339	250.0	243.7	
50 Chlorobromomethane	128	6.628	6.629	-0.001	92	309141	100.0	97.8	
51 Tetrahydrofuran	71	6.641	6.638	0.003	89	738753	500.0	476.8	
52 Chloroform	83	6.779	6.780	-0.001	94	884208	100.0	99.2	
$ 54 Dibromofluoromethane (Surr)	113	6.994	6.994	0.000	93	251245	50.0	49.1	
55 1,1,1-Trichloroethane	97	7.007	7.014	-0.007	98	977492	100.0	103.3	
56 Cyclohexane	56	7.103	7.100	0.003	90	1191765	100.0	105.9	
58 Carbon tetrachloride	117	7.216	7.213	0.003	90	845720	100.0	107.1	
57 1,1-Dichloropropene	75	7.219	7.219	0.000	96	794634	100.0	101.2	
59 Isobutyl alcohol	41	7.395	7.396	-0.001	97	622404	1250.0	1183.4	
$ 60 1,2-Dichloroethane-d4 (Surr)	102	7.450	7.460	-0.010	69	66229	50.0	49.6	
61 Benzene	78	7.485	7.485	0.000	96	2224835	100.0	98.9	
62 1,2-Dichloroethane	62	7.556	7.562	-0.006	98	684833	100.0	96.4	
64 Tert-amyl methyl ether	73	7.675	7.678	-0.003	99	1839802	100.0	100.1	
* 65 Fluorobenzene (IS)	96	7.890	7.893	-0.003	99	1065567	50.0	50.0	
66 n-Heptane	43	7.896	7.896	0.000	90	630202	100.0	105.1	
67 n-Butanol	56	8.255	8.268	-0.013	86	509359	1250.0	1301.2	
68 Trichloroethene	95	8.368	8.368	0.000	98	597517	100.0	100.1	
69 Ethyl acrylate	55	8.483	8.480	0.003	99	918002	100.0	98.9	
70 Methylcyclohexane	83	8.673	8.673	0.000	96	1149551	100.0	110.7	
71 1,2-Dichloropropane	63	8.705	8.702	0.003	77	576677	100.0	101.2	
72 2-ethoxy-2-methyl butane	87	8.708	8.708	0.000	93	895864	100.0	102.3	
74 Methyl methacrylate	69	8.782	8.785	-0.003	91	543827	100.0	99.7	
75 1,4-Dioxane	88	8.798	8.801	-0.003	40	132568	1250.0	1188.9	
73 Dibromomethane	93	8.814	8.811	0.003	97	386770	100.0	100.5	
77 Dichlorobromomethane	83	9.051	9.051	0.000	100	685812	100.0	104.5	
78 2-Nitropropane	41	9.330	9.327	0.003	96	1241818	500.0	492.0	
79 2-Chloroethyl vinyl ether	63	9.404	9.401	0.003	92	416555	100.0	103.6	
81 cis-1,3-Dichloropropene	75	9.584	9.584	0.000	97	899920	100.0	102.8	
83 4-Methyl-2-pentanone (MIBK)	43	9.757	9.761	-0.004	96	1940441	200.0	200.0	
$ 84 Toluene-d8 (Surr)	98	9.886	9.886	0.000	93	1085197	50.0	50.2	
85 Toluene	92	9.963	9.956	0.007	98	1440511	100.0	100.4	
S 162 1,3-Dichloropropene, Total	100				0			205.1	
86 trans-1,3-Dichloropropene	75	10.213	10.216	-0.003	97	822448	100.0	102.3	
87 Ethyl methacrylate	69	10.271	10.271	0.000	89	959382	100.0	99.6	
88 1,1,2-Trichloroethane	97	10.415	10.415	0.000	90	533449	100.0	98.1	
90 Tetrachloroethene	166	10.498	10.499	-0.001	97	613991	100.0	103.3	
91 1,3-Dichloropropane	76	10.579	10.576	0.003	89	886682	100.0	99.2	
94 2-Hexanone	43	10.630	10.627	0.003	95	1323974	200.0	189.7	
96 Chlorodibromomethane	129	10.787	10.784	0.003	89	590601	100.0	106.9	
98 Ethylene Dibromide	107	10.900	10.897	0.003	98	590317	100.0	100.3	
S 178 Xylenes, Total	106				0			308.3	
* 101 Chlorobenzene-d5 (IS)	117	11.323	11.327	-0.004	84	818111	50.0	50.0	
103 1-Chlorohexane	91	11.333	11.333	0.000	97	794876	100.0	102.5	
102 Chlorobenzene	112	11.352	11.349	0.003	96	1637827	100.0	101.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
104 1,1,1,2-Tetrachloroethane	131	11.432	11.432	0.000	97	647972	100.0	106.0	
105 Ethylbenzene	91	11.435	11.436	-0.001	98	2938056	100.0	101.9	
106 m-Xylene & p-Xylene	106	11.548	11.548	0.000	98	2344626	200.0	205.7	
107 n-Butyl acrylate	55	11.820	11.824	-0.004	98	1365568	100.0	99.8	
108 o-Xylene	106	11.878	11.878	0.000	96	1221332	100.0	102.5	
109 Styrene	104	11.891	11.891	0.000	94	1869239	100.0	102.7	
110 Bromoform	173	12.048	12.049	-0.001	97	466701	100.0	109.4	
111 Isopropylbenzene	105	12.173	12.174	-0.001	95	2860914	100.0	105.6	
113 Cyclohexanone	55	12.260	12.260	0.000	91	466038	1250.0	1243.4	
$ 114 4-Bromofluorobenzene (Surr)	95	12.318	12.318	0.000	90	401370	50.0	49.4	
116 1,1,2,2-Tetrachloroethane	83	12.421	12.421	0.000	95	1067201	100.0	101.2	
115 Bromobenzene	156	12.437	12.437	0.000	97	723503	100.0	100.5	
119 trans-1,4-Dichloro-2-butene	53	12.446	12.446	0.000	89	717389	250.0	257.8	
118 1,2,3-Trichloropropane	110	12.465	12.469	-0.004	85	326285	100.0	99.3	
120 N-Propylbenzene	91	12.504	12.501	0.003	98	3503534	100.0	104.8	
121 2-Chlorotoluene	126	12.581	12.581	0.000	98	757249	100.0	103.2	
122 1,3,5-Trimethylbenzene	105	12.636	12.636	0.000	95	2637790	100.0	106.5	
123 4-Chlorotoluene	126	12.671	12.671	0.000	97	724903	100.0	103.5	
125 tert-Butylbenzene	134	12.879	12.880	-0.001	92	518910	100.0	111.3	
127 1,2,4-Trimethylbenzene	105	12.921	12.918	0.003	97	2718328	100.0	105.9	
128 sec-Butylbenzene	105	13.043	13.043	0.000	94	3288624	100.0	109.9	
131 1,3-Dichlorobenzene	146	13.143	13.143	0.000	98	1378548	100.0	102.7	
132 4-Isopropyltoluene	119	13.149	13.149	0.000	97	2900268	100.0	109.7	
* 133 1,4-Dichlorobenzene-d4	152	13.194	13.194	0.000	94	463275	50.0	50.0	
134 1,4-Dichlorobenzene	146	13.216	13.213	0.003	95	1386400	100.0	100.8	
148 1,2,3-Trimethylbenzene	105	13.226	13.226	0.000	98	2904467	100.0	105.2	
170 Benzyl chloride	91	13.293	13.294	-0.001	98	2199137	100.0	107.0	
171 1,3-Diethylbenzene	119	13.348	13.348	0.000	95	1663119	100.0	108.2	
172 p-Diethylbenzene	119	13.419	13.419	0.000	94	1743446	100.0	108.0	
173 n-Butylbenzene	92	13.441	13.441	0.000	97	1367294	100.0	109.6	
174 1,2-Dichlorobenzene	146	13.476	13.473	0.003	98	1473177	100.0	102.8	
175 o-diethylbenzene	119	13.492	13.493	-0.001	94	1425142	100.0	109.1	
176 1,2-Dibromo-3-Chloropropane	75	14.019	14.019	0.000	88	330071	100.0	105.1	
177 1,3,5-Trichlorobenzene	180	14.141	14.141	0.000	98	1072941	100.0	106.6	
179 1,2,4-Trichlorobenzene	180	14.567	14.568	-0.001	94	1067878	100.0	104.5	
181 2-Ethylhexyl acrylate	55	14.619	14.622	-0.003	79	1035318	100.0	109.0	
180 Hexachlorobutadiene	225	14.648	14.648	0.000	97	373296	100.0	111.1	
182 Naphthalene	128	14.750	14.750	0.000	97	4486888	100.0	103.2	
183 1,2,3-Trichlorobenzene	180	14.895	14.895	0.000	96	1105252	100.0	104.4	
184 2-Methylnaphthalene	142	15.540	15.537	0.003	94	2297642	100.0	109.9	
S 205 Total Diethylbenzene	1				0			325.3	

QC Flag Legend

Processing Flags

Reagents:

MSV_CCV_VOC#1_00203	Amount Added:	5.00	Units: uL	
MSV_CCV_CYC_00010	Amount Added:	10.00	Units: uL	
MSV_CCV_VOC#3_00200	Amount Added:	4.00	Units: uL	
MSV_CCV_2CEVE_00195	Amount Added:	5.00	Units: uL	
MSV_CCV_ETOH_00007	Amount Added:	10.00	Units: uL	
MSV_CCV_GASES_00881	Amount Added:	2.50	Units: uL	
MSV_CCV_OH_Sp_00014	Amount Added:	5.00	Units: uL	
MSV_Cent_ISSS_00031	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 01-Oct-2024 09:10:01 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9137\20240930-126367.b\WS30X16.D

Injection Date: 01-Oct-2024 00:19:30 Instrument ID: 9137 Operator ID: MCD07824

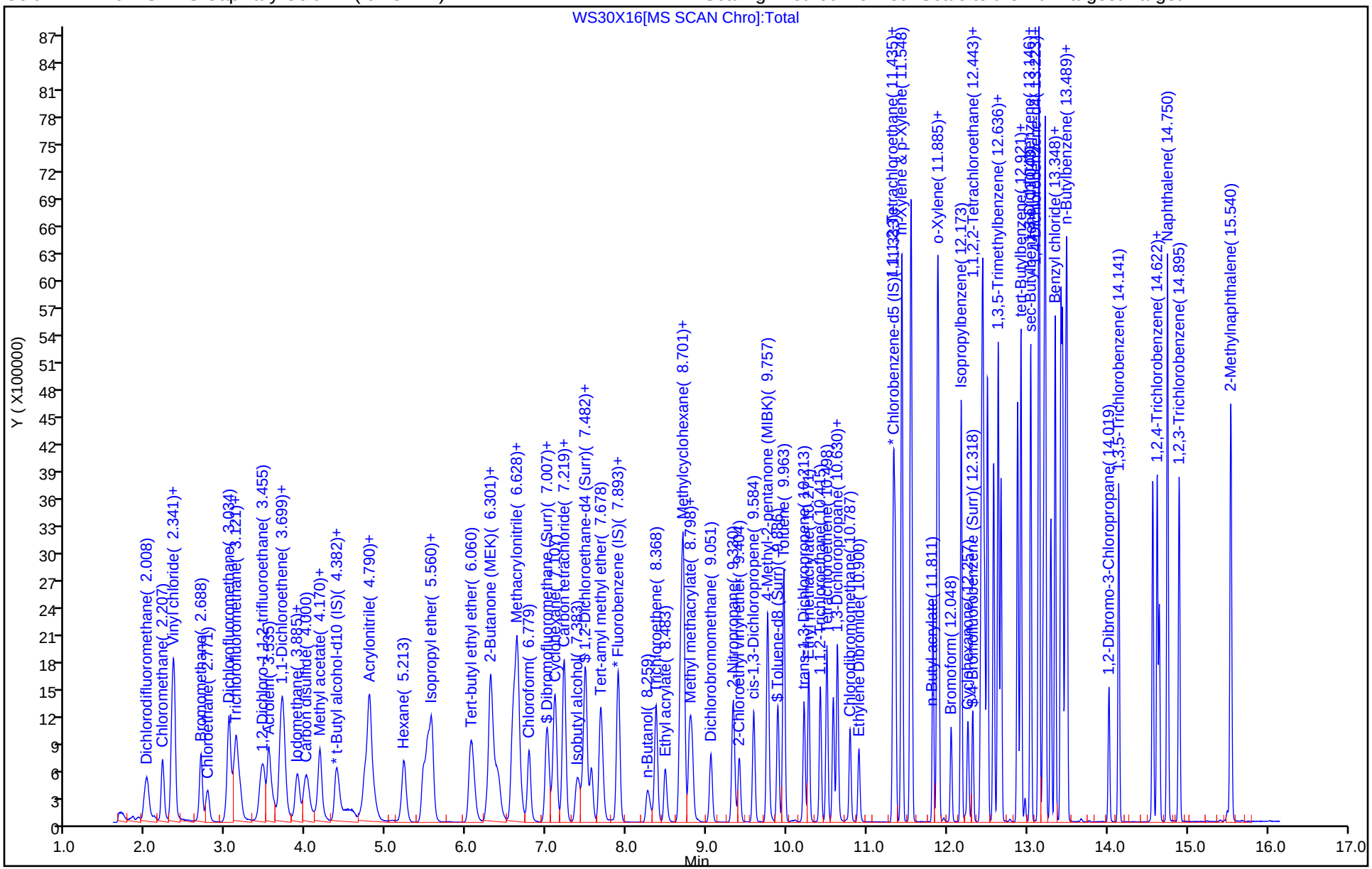
Lims ID: IC v100 Worklist Smp#: 17

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 16

Method: MSVoa_9137 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\9137\20240930-126367.b\WS30X17.D
Lims ID: IC v300
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 01-Oct-2024 00:40:30 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0126367-018
Misc. Info.: IC V300
Operator ID: MCD07824 Instrument ID: 9137
Sublist: chrom-MSVoa_9137*sub73

Method: \\chromfs\Lancaster\ChromData\9137\20240930-126367.b\MSVoa_9137.m
Limit Group: MSV - 8260C_D
Last Update: 01-Oct-2024 09:10:14 Calib Date: 01-Oct-2024 00:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9137\20240930-126367.b\WS30X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1618

First Level Reviewer: DVW2 Date: 01-Oct-2024 08:13:29

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
6 Dichlorodifluoromethane	85	2.008	2.014	-0.006	100	3522573	300.0	285.7	
7 Chloromethane	50	2.210	2.210	0.000	99	3139822	300.0	264.7	
8 Vinyl chloride	62	2.329	2.326	0.003	98	3247567	300.0	276.5	
9 Butadiene	39	2.351	2.351	0.000	90	3280146	300.0	275.2	
11 Bromomethane	94	2.685	2.688	-0.003	91	2272915	300.0	271.5	
12 Chloroethane	64	2.771	2.768	0.003	100	1618220	300.0	274.7	
13 Dichlorofluoromethane	67	3.041	3.038	0.003	98	4854327	300.0	274.3	
14 Trichlorofluoromethane	101	3.102	3.102	0.000	99	4073951	300.0	288.0	
15 Pentane	43	3.153	3.134	0.019	97	2948689	300.0	295.1	
17 Ethanol	45	3.198	3.263	-0.065	30	618576	7499.7	6719.3	
18 1,2-Dichloro-1,1,2-trifluoroetha	67	3.458	3.445	0.013	92	2378469	300.0	277.2	
19 Acrolein	56	3.532	3.532	0.000	100	6173901	3006.4	3276.4	
21 1,1-Dichloroethene	96	3.692	3.686	0.006	98	1699230	300.0	297.7	
22 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.715	3.712	0.003	93	2144426	300.0	305.9	
20 Acetone	58	3.718	3.712	0.006	87	671324	600.0	594.0	
25 Iodomethane	142	3.898	3.888	0.010	97	3367910	300.0	292.1	
23 Isopropyl alcohol	45	3.888	3.891	-0.003	99	1441057	1500.0	1244.7	
26 Carbon disulfide	76	4.013	4.010	0.003	99	6020548	300.0	302.8	
28 Methyl acetate	43	4.145	4.148	-0.003	97	1860715	300.0	253.7	
27 3-Chloro-1-propene	41	4.177	4.171	0.006	93	2310838	300.0	278.0	
30 Methylene Chloride	84	4.389	4.379	0.010	97	1857157	300.0	281.7	
* 32 t-Butyl alcohol-d10 (IS)	65	4.386	4.418	-0.032	62	370754	250.0	250.0	
33 2-Methyl-2-propanol	59	4.540	4.556	-0.016	98	2456120	1500.0	1497.0	
34 Acrylonitrile	53	4.729	4.729	0.000	100	2674629	750.0	690.9	
35 trans-1,2-Dichloroethene	96	4.790	4.790	0.000	99	1523172	300.0	279.6	
36 Methyl tert-butyl ether	73	4.783	4.793	-0.010	96	5537585	300.0	274.2	
37 Hexane	57	5.220	5.223	-0.003	91	2053991	300.0	297.7	
38 1,1-Dichloroethane	63	5.467	5.464	0.003	97	2601096	300.0	280.4	
40 Isopropyl ether	45	5.525	5.515	0.010	96	5110059	300.0	282.3	
41 2-Chloro-1,3-butadiene	53	5.566	5.570	-0.004	89	2340952	300.0	279.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
42 Tert-butyl ethyl ether	59	6.064	6.061	0.003	99	5478466	300.0	284.9	
S 80 1,2-Dichloroethene, Total	100				0			556.3	
44 2-Butanone (MEK)	43	6.276	6.272	0.004	99	2973408	600.0	571.3	
43 cis-1,2-Dichloroethene	96	6.301	6.301	0.000	82	1722918	300.0	276.7	
45 2,2-Dichloropropane	77	6.321	6.321	0.000	85	2982941	300.0	295.6	
47 Propionitrile	54	6.375	6.372	0.003	96	2581349	1500.0	1398.0	
48 Methyl acrylate	55	6.404	6.394	0.010	100	2626394	300.0	285.9	
49 Methacrylonitrile	67	6.590	6.584	0.006	92	2673121	750.0	702.8	
50 Chlorobromomethane	128	6.629	6.629	0.000	92	890615	300.0	274.5	
51 Tetrahydrofuran	71	6.645	6.638	0.007	89	2182361	1500.0	1354.4	
52 Chloroform	83	6.779	6.780	-0.001	94	2536121	300.0	277.2	
$ 54 Dibromofluoromethane (Surr)	113	6.991	6.994	-0.003	93	256323	50.0	48.8	
55 1,1,1-Trichloroethane	97	7.017	7.014	0.003	98	2918030	300.0	300.6	
56 Cyclohexane	56	7.107	7.100	0.007	92	3556712	300.0	308.1	
58 Carbon tetrachloride	117	7.216	7.213	0.003	98	2568259	300.0	316.9	
57 1,1-Dichloropropene	75	7.222	7.219	0.003	98	2303777	300.0	285.9	
59 Isobutyl alcohol	41	7.383	7.396	-0.013	97	1788436	3750.0	3269.8	
$ 60 1,2-Dichloroethane-d4 (Surr)	102	7.453	7.460	-0.007	68	68364	50.0	49.9	
61 Benzene	78	7.485	7.485	0.000	96	6407225	300.0	277.7	
62 1,2-Dichloroethane	62	7.559	7.562	-0.003	98	2008681	300.0	275.7	
64 Tert-amyl methyl ether	73	7.681	7.678	0.003	99	5518693	300.0	292.7	
* 65 Fluorobenzene (IS)	96	7.890	7.893	-0.003	98	1093292	50.0	50.0	
66 n-Heptane	43	7.899	7.896	0.003	90	1796185	300.0	292.0	
67 n-Butanol	56	8.265	8.268	-0.003	87	1451583	3750.0	3565.7	
68 Trichloroethene	95	8.368	8.368	0.000	98	1755481	300.0	286.6	
69 Ethyl acrylate	55	8.487	8.480	0.007	99	2818261	299.9	295.9	
70 Methylcyclohexane	83	8.676	8.673	0.003	96	3438038	300.0	322.8	
71 1,2-Dichloropropane	63	8.708	8.702	0.006	85	1718769	300.0	294.0	
72 2-ethoxy-2-methyl butane	87	8.708	8.708	0.000	92	2857356	300.0	318.0	
74 Methyl methacrylate	69	8.788	8.785	0.003	91	1655738	300.0	295.9	
75 1,4-Dioxane	88	8.788	8.801	-0.013	33	384151	3750.0	3312.9	
73 Dibromomethane	93	8.817	8.811	0.006	97	1161301	300.0	294.1	
77 Dichlorobromomethane	83	9.051	9.051	0.000	100	2085747	300.0	309.8	
78 2-Nitropropane	41	9.327	9.327	0.000	97	3787251	1500.0	1442.8	
79 2-Chloroethyl vinyl ether	63	9.408	9.401	0.007	93	1307473	300.0	316.9	
81 cis-1,3-Dichloropropene	75	9.590	9.584	0.006	97	2814866	300.0	313.3	
83 4-Methyl-2-pentanone (MIBK)	43	9.760	9.761	-0.001	95	5801515	600.0	582.8	
$ 84 Toluene-d8 (Surr)	98	9.886	9.886	0.000	93	1159258	50.0	49.2	
85 Toluene	92	9.963	9.956	0.007	99	4337072	300.0	277.2	
S 162 1,3-Dichloropropene, Total	100				0			607.9	
86 trans-1,3-Dichloropropene	75	10.216	10.216	0.000	92	2583759	300.0	294.6	
87 Ethyl methacrylate	69	10.271	10.271	0.000	89	2860002	300.0	272.2	
88 1,1,2-Trichloroethane	97	10.418	10.415	0.003	90	1619718	300.0	272.9	
90 Tetrachloroethene	166	10.499	10.499	0.000	97	1865855	300.0	287.8	
91 1,3-Dichloropropane	76	10.582	10.576	0.006	89	2726047	300.0	279.5	
94 2-Hexanone	43	10.630	10.627	0.003	95	4028380	600.0	529.2	
96 Chlorodibromomethane	129	10.787	10.784	0.003	90	1886831	300.0	313.0	
98 Ethylene Dibromide	107	10.900	10.897	0.003	98	1813069	300.0	282.5	
S 178 Xylenes, Total	106				0			833.7	
* 101 Chlorobenzene-d5 (IS)	117	11.326	11.327	-0.001	83	892453	50.0	50.0	
103 1-Chlorohexane	91	11.333	11.333	0.000	96	2343693	300.0	277.1	
102 Chlorobenzene	112	11.352	11.349	0.003	96	4990695	300.0	282.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
104 1,1,1,2-Tetrachloroethane	131	11.432	11.432	0.000	97	1956719	300.0	293.4	
105 Ethylbenzene	91	11.436	11.436	0.000	97	8558117	300.0	272.2	
106 m-Xylene & p-Xylene	106	11.548	11.548	0.000	97	6903101	600.0	555.3	
107 n-Butyl acrylate	55	11.824	11.824	0.000	98	3969813	300.0	265.9	
108 o-Xylene	106	11.878	11.878	0.000	95	3618857	300.0	278.4	
109 Styrene	104	11.891	11.891	0.000	93	5558937	300.0	279.9	
110 Bromoform	173	12.048	12.049	-0.001	97	1459378	300.0	313.7	
111 Isopropylbenzene	105	12.174	12.174	0.000	96	8131962	300.0	275.1	
113 Cyclohexanone	55	12.257	12.260	-0.003	91	1438500	3749.9	3690.6	
$ 114 4-Bromofluorobenzene (Surr)	95	12.318	12.318	0.000	90	425534	50.0	48.0	
116 1,1,2,2-Tetrachloroethane	83	12.424	12.421	0.003	95	3088601	300.0	278.0	
115 Bromobenzene	156	12.437	12.437	0.000	97	2179824	300.0	287.3	
119 trans-1,4-Dichloro-2-butene	53	12.446	12.446	0.000	89	2166819	750.0	739.2	
118 1,2,3-Trichloropropane	110	12.469	12.469	0.000	85	950110	300.0	274.5	
120 N-Propylbenzene	91	12.504	12.501	0.003	98	9684362	300.0	275.0	
121 2-Chlorotoluene	126	12.581	12.581	0.000	97	2231903	300.0	288.7	
122 1,3,5-Trimethylbenzene	105	12.639	12.636	0.003	95	7673349	300.0	294.1	
123 4-Chlorotoluene	126	12.674	12.671	0.003	96	2164998	300.0	293.6	
125 tert-Butylbenzene	134	12.880	12.880	0.000	93	1575883	300.0	321.0	
127 1,2,4-Trimethylbenzene	105	12.921	12.918	0.003	97	7773955	300.0	287.6	
128 sec-Butylbenzene	105	13.043	13.043	0.000	94	9259856	300.0	293.7	
131 1,3-Dichlorobenzene	146	13.143	13.143	0.000	97	4010251	300.0	283.6	
132 4-Isopropyltoluene	119	13.149	13.149	0.000	96	8224615	300.0	295.3	
* 133 1,4-Dichlorobenzene-d4	152	13.197	13.194	0.003	94	487950	50.0	50.0	
134 1,4-Dichlorobenzene	146	13.216	13.213	0.003	94	4094751	300.0	282.6	
148 1,2,3-Trimethylbenzene	105	13.226	13.226	0.000	98	8390256	300.0	288.4	
170 Benzyl chloride	91	13.293	13.294	-0.001	98	6346218	300.0	293.1	
171 1,3-Diethylbenzene	119	13.348	13.348	0.000	95	4788548	300.0	295.7	
172 p-Diethylbenzene	119	13.419	13.419	0.000	94	4954742	300.0	291.5	
173 n-Butylbenzene	92	13.441	13.441	0.000	97	3866426	300.0	294.3	
174 1,2-Dichlorobenzene	146	13.476	13.473	0.003	98	4217709	300.0	279.5	
175 o-diethylbenzene	119	13.492	13.493	-0.001	94	4188985	300.0	304.4	
176 1,2-Dibromo-3-Chloropropane	75	14.019	14.019	0.000	89	973704	300.0	294.2	
177 1,3,5-Trichlorobenzene	180	14.141	14.141	0.000	98	3061215	300.0	288.9	
179 1,2,4-Trichlorobenzene	180	14.567	14.568	-0.001	95	3028990	300.0	281.4	
181 2-Ethylhexyl acrylate	55	14.619	14.622	-0.003	79	2905401	300.0	290.4	
180 Hexachlorobutadiene	225	14.648	14.648	0.000	98	1072980	300.0	303.3	
182 Naphthalene	128	14.750	14.750	0.000	98	11786376	300.0	257.5	
183 1,2,3-Trichlorobenzene	180	14.895	14.895	0.000	96	3107647	300.0	278.7	
184 2-Methylnaphthalene	142	15.540	15.537	0.003	93	6200248	300.0	281.6	
S 205 Total Diethylbenzene	1				0			891.6	

QC Flag Legend

Processing Flags

Reagents:

MSV_CCV_VOC#1_00203	Amount Added:	15.00	Units: uL	
MSV_CCV_2CEVE_00195	Amount Added:	15.00	Units: uL	
MSV_CCV_VOC#3_00200	Amount Added:	12.00	Units: uL	
MSV_CCV_ETOH_00007	Amount Added:	30.00	Units: uL	
MSV_CCV_CYC_00010	Amount Added:	30.00	Units: uL	
MSV_CCV_GASES_00881	Amount Added:	7.50	Units: uL	
MSV_CCV_OH_Sp_00014	Amount Added:	15.00	Units: uL	
MSV_Cent_ISSS_00031	Amount Added:	5.00	Units: uL	Run Reagent

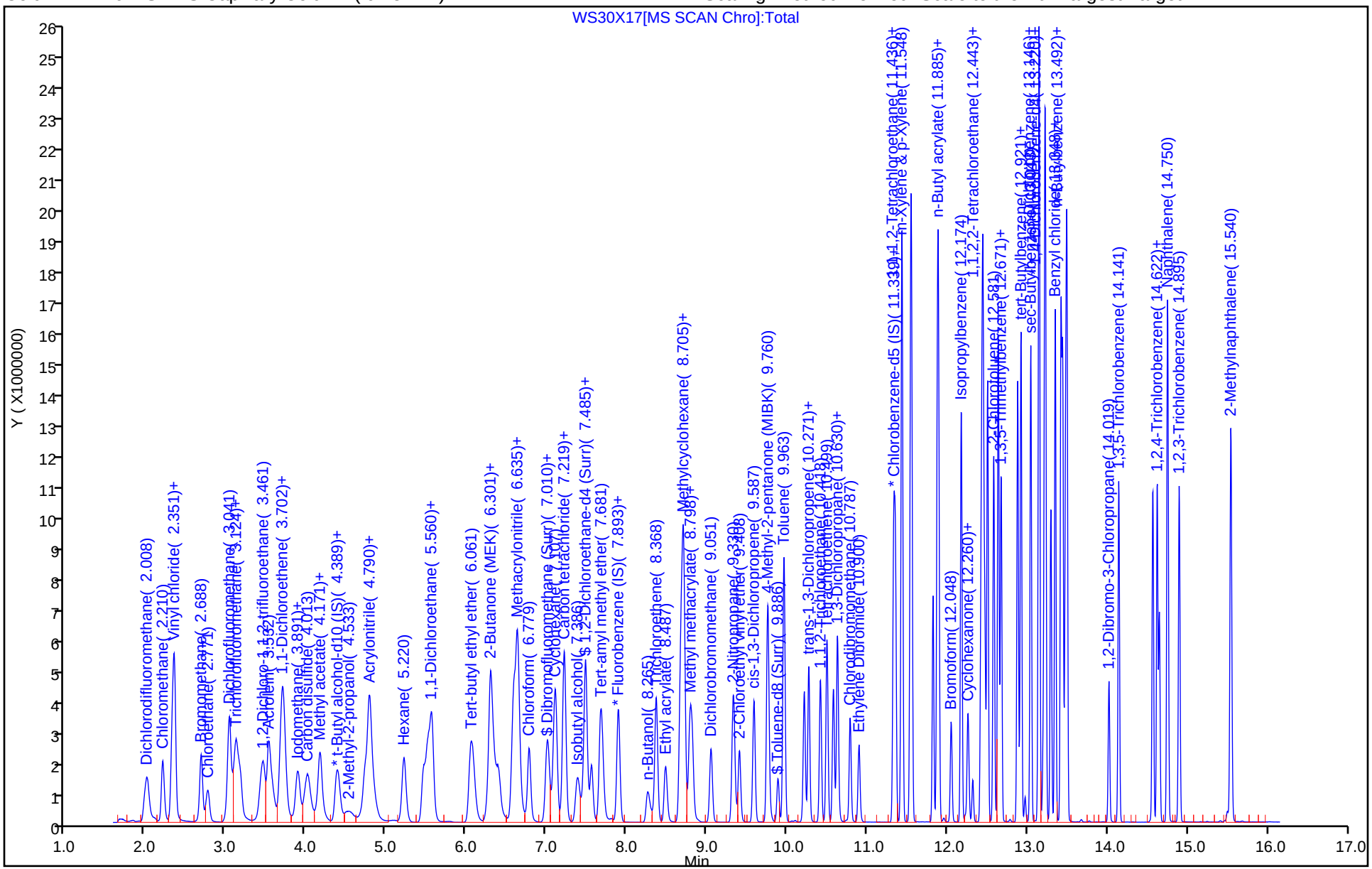
Report Date: 01-Oct-2024 09:10:14 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9137\20240930-126367.b\WS30X17.D

Injection Date:	01-Oct-2024 00:40:30	Instrument ID:	9137	Operator ID:	MCD07824
Lims ID:	IC v300			Worklist Smp#:	18
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	MSVoa_9137	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



Calibration / Dichlorodifluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

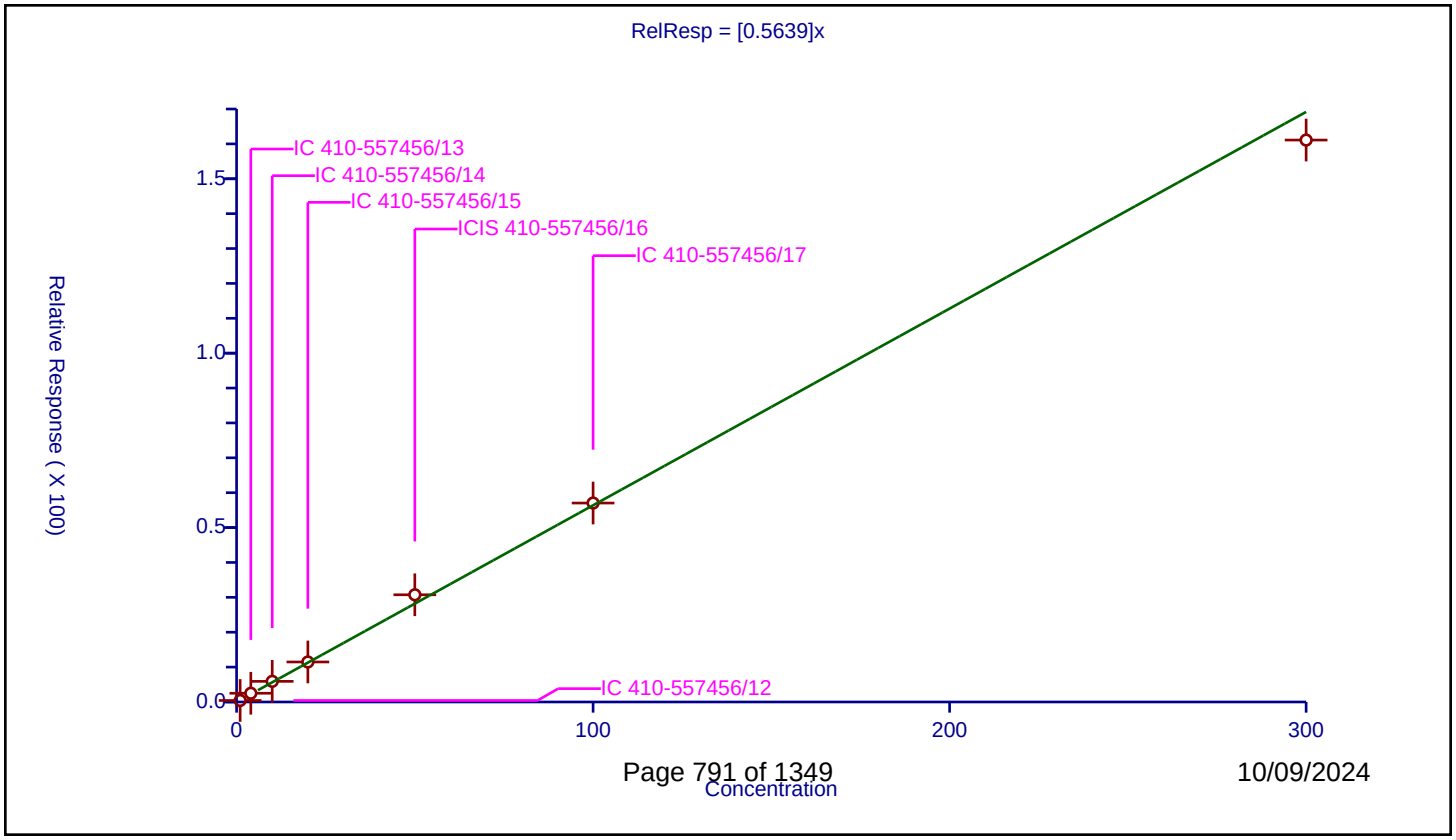
Curve Coefficients

Intercept:	0
Slope:	0.5639

Error Coefficients

Relative Standard Deviation:	11.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.0	0.434489	50.0	1022466.0	0.434489	Y
2	IC 410-557456/13	4.0	2.501602	50.0	998700.0	0.625401	Y
3	IC 410-557456/14	10.0	5.917118	50.0	1066744.0	0.591712	Y
4	IC 410-557456/15	20.0	11.472723	50.0	1064233.0	0.573636	Y
5	ICIS 410-557456/16	50.0	30.739175	50.0	1027456.0	0.614784	Y
6	IC 410-557456/17	100.0	57.038459	50.0	1065567.0	0.570385	Y
7	IC 410-557456/18	300.0	161.099368	50.0	1093292.0	0.536998	Y



Calibration / Chloromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

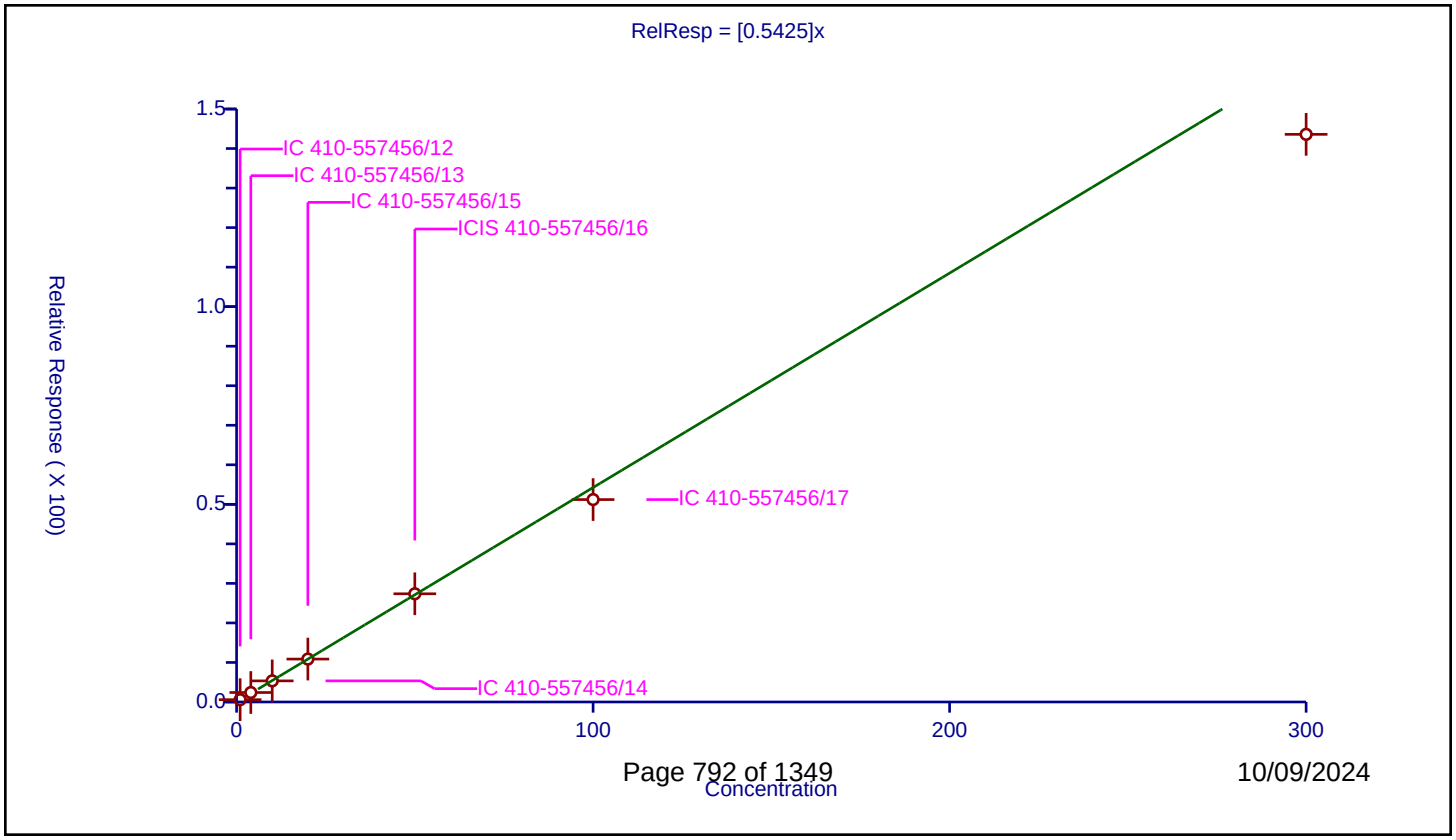
Curve Coefficients

Intercept:	0
Slope:	0.5425

Error Coefficients

Relative Standard Deviation:	7.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.0	0.583149	50.0	1022466.0	0.583149	Y
2	IC 410-557456/13	4.0	2.397467	50.0	998700.0	0.599367	Y
3	IC 410-557456/14	10.0	5.339332	50.0	1066744.0	0.533933	Y
4	IC 410-557456/15	20.0	10.853826	50.0	1064233.0	0.542691	Y
5	ICIS 410-557456/16	50.0	27.3729	50.0	1027456.0	0.547458	Y
6	IC 410-557456/17	100.0	51.204054	50.0	1065567.0	0.512041	Y
7	IC 410-557456/18	300.0	143.594849	50.0	1093292.0	0.478649	Y



Calibration / Vinyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

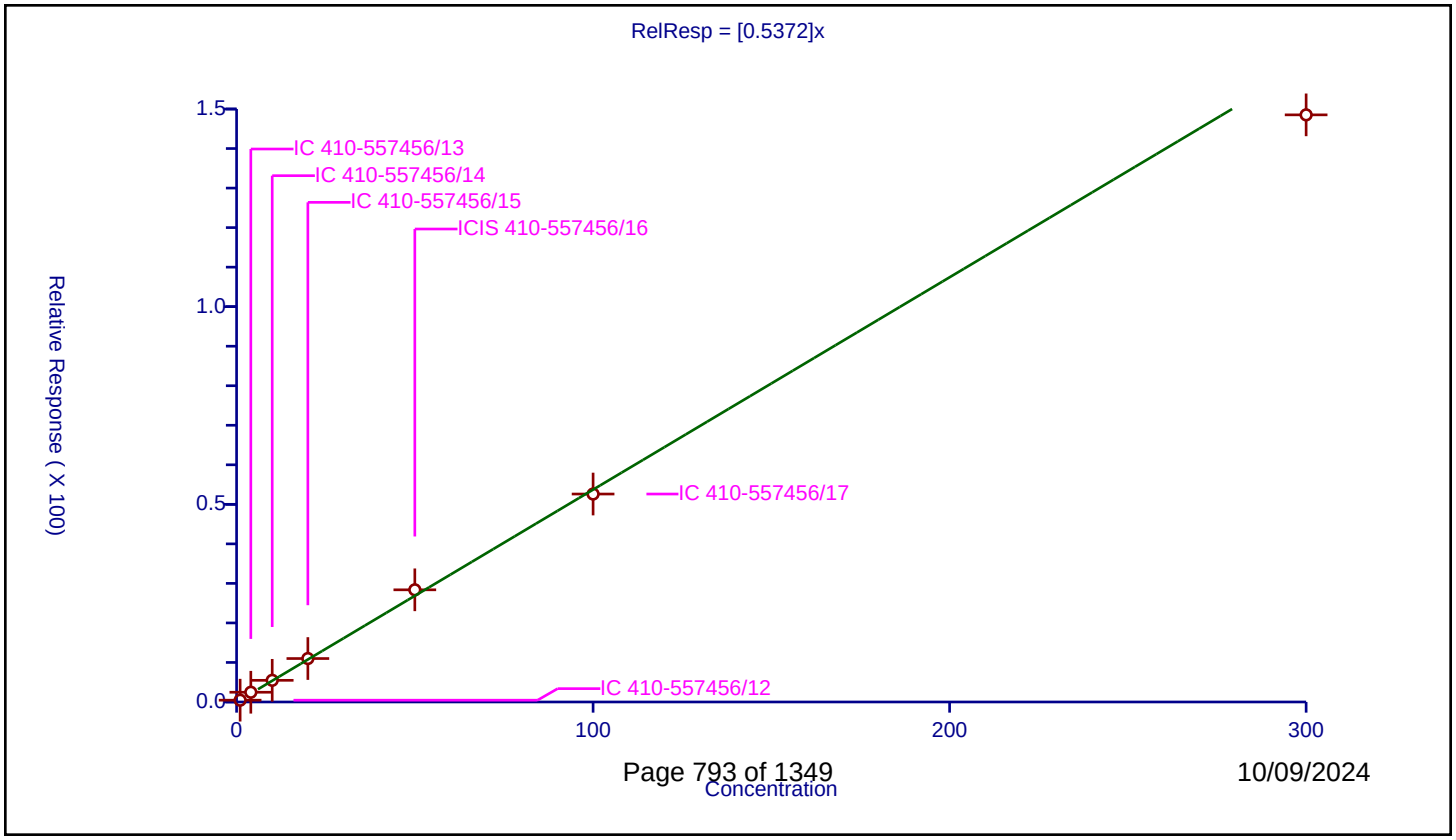
Curve Coefficients

Intercept:	0
Slope:	0.5372

Error Coefficients

Relative Standard Deviation:	9.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.0	0.457277	50.0	1022466.0	0.457277	Y
2	IC 410-557456/13	4.0	2.466957	50.0	998700.0	0.616739	Y
3	IC 410-557456/14	10.0	5.480931	50.0	1066744.0	0.548093	Y
4	IC 410-557456/15	20.0	10.988994	50.0	1064233.0	0.54945	Y
5	ICIS 410-557456/16	50.0	28.374256	50.0	1027456.0	0.567485	Y
6	IC 410-557456/17	100.0	52.604998	50.0	1065567.0	0.52605	Y
7	IC 410-557456/18	300.0	148.522398	50.0	1093292.0	0.495075	Y



Calibration / Butadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

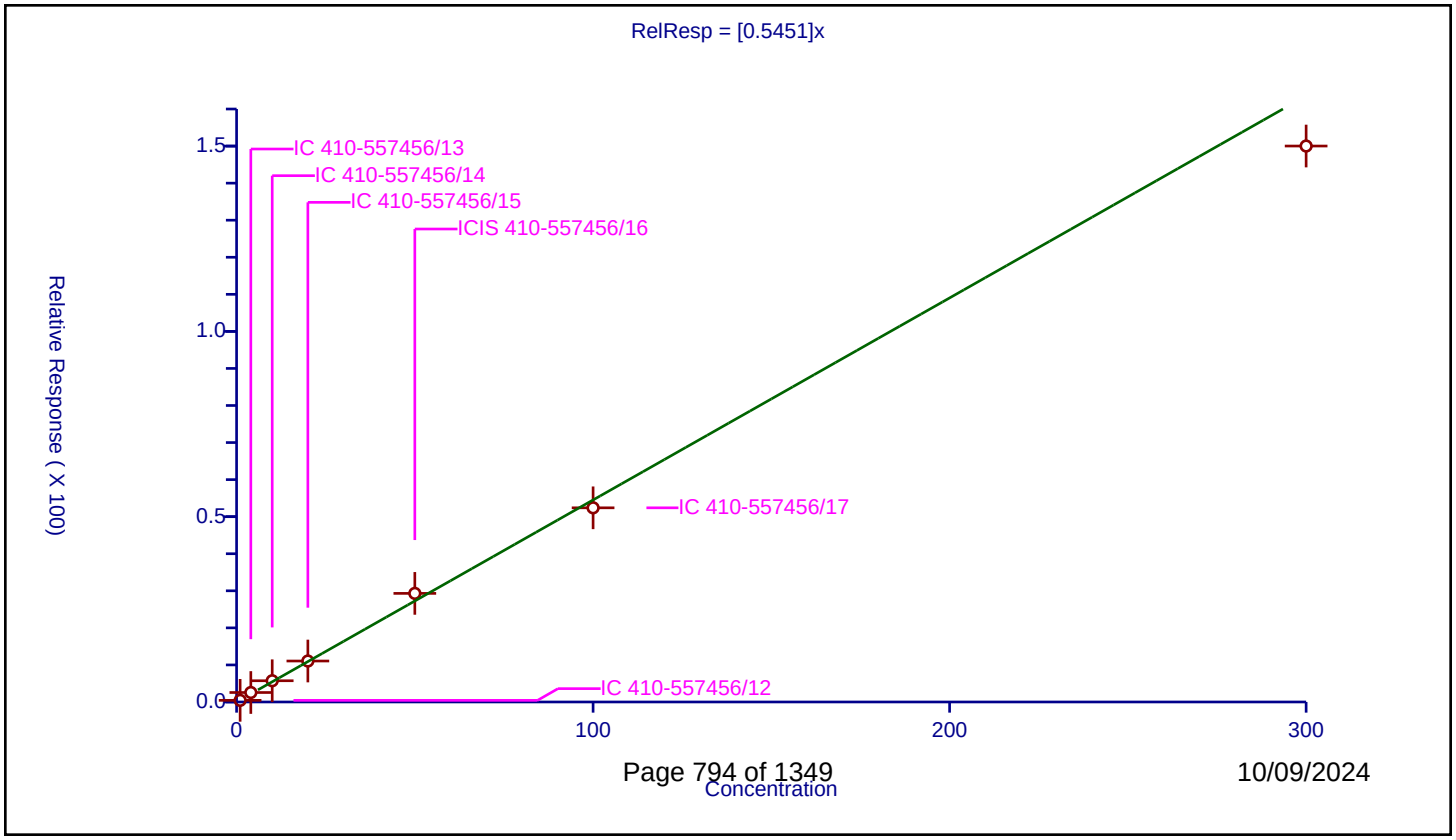
Curve Coefficients

Intercept:	0
Slope:	0.5451

Error Coefficients

Relative Standard Deviation:	11.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.0	0.440748	50.0	1022466.0	0.440748	Y
2	IC 410-557456/13	4.0	2.556373	50.0	998700.0	0.639093	Y
3	IC 410-557456/14	10.0	5.733803	50.0	1066744.0	0.57338	Y
4	IC 410-557456/15	20.0	11.055521	50.0	1064233.0	0.552776	Y
5	ICIS 410-557456/16	50.0	29.300427	50.0	1027456.0	0.586009	Y
6	IC 410-557456/17	100.0	52.391544	50.0	1065567.0	0.523915	Y
7	IC 410-557456/18	300.0	150.012348	50.0	1093292.0	0.500041	Y



Calibration / Bromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

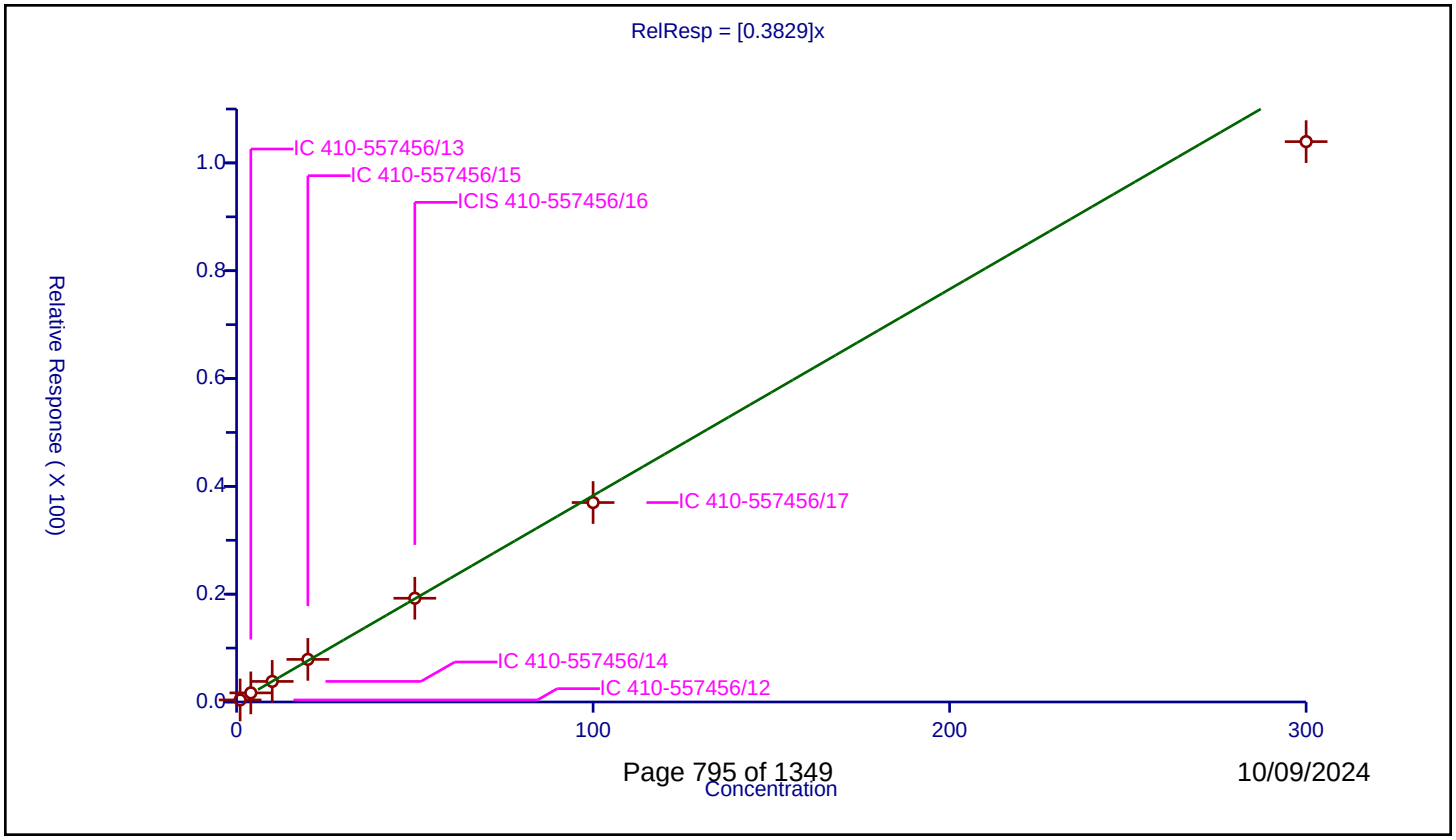
Curve Coefficients

Intercept:	0
Slope:	0.3829

Error Coefficients

Relative Standard Deviation:	6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.0	0.379817	50.0	1022466.0	0.379817	Y
2	IC 410-557456/13	4.0	1.690297	50.0	998700.0	0.422574	Y
3	IC 410-557456/14	10.0	3.815114	50.0	1066744.0	0.381511	Y
4	IC 410-557456/15	20.0	7.90062	50.0	1064233.0	0.395031	Y
5	ICIS 410-557456/16	50.0	19.245885	50.0	1027456.0	0.384918	Y
6	IC 410-557456/17	100.0	36.998987	50.0	1065567.0	0.36999	Y
7	IC 410-557456/18	300.0	103.948213	50.0	1093292.0	0.346494	Y



Calibration / Chloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

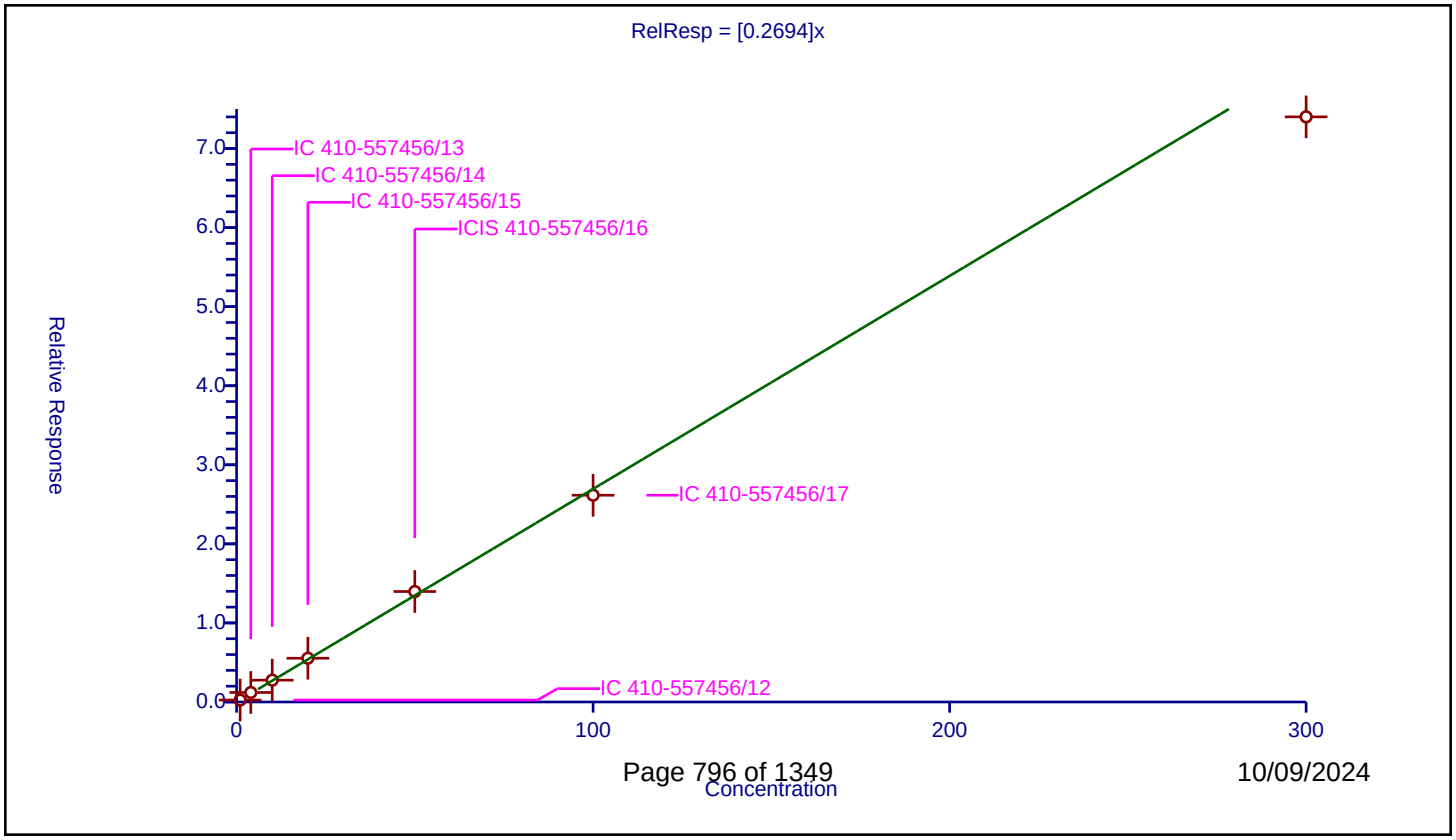
Curve Coefficients

Intercept:	0
Slope:	0.2694

Error Coefficients

Relative Standard Deviation:	7.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.0	0.2448	50.0	1022466.0	0.2448	Y
2	IC 410-557456/13	4.0	1.203965	50.0	998700.0	0.300991	Y
3	IC 410-557456/14	10.0	2.759378	50.0	1066744.0	0.275938	Y
4	IC 410-557456/15	20.0	5.535442	50.0	1064233.0	0.276772	Y
5	ICIS 410-557456/16	50.0	13.972083	50.0	1027456.0	0.279442	Y
6	IC 410-557456/17	100.0	26.14974	50.0	1065567.0	0.261497	Y
7	IC 410-557456/18	300.0	74.006761	50.0	1093292.0	0.246689	Y



Calibration / Dichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

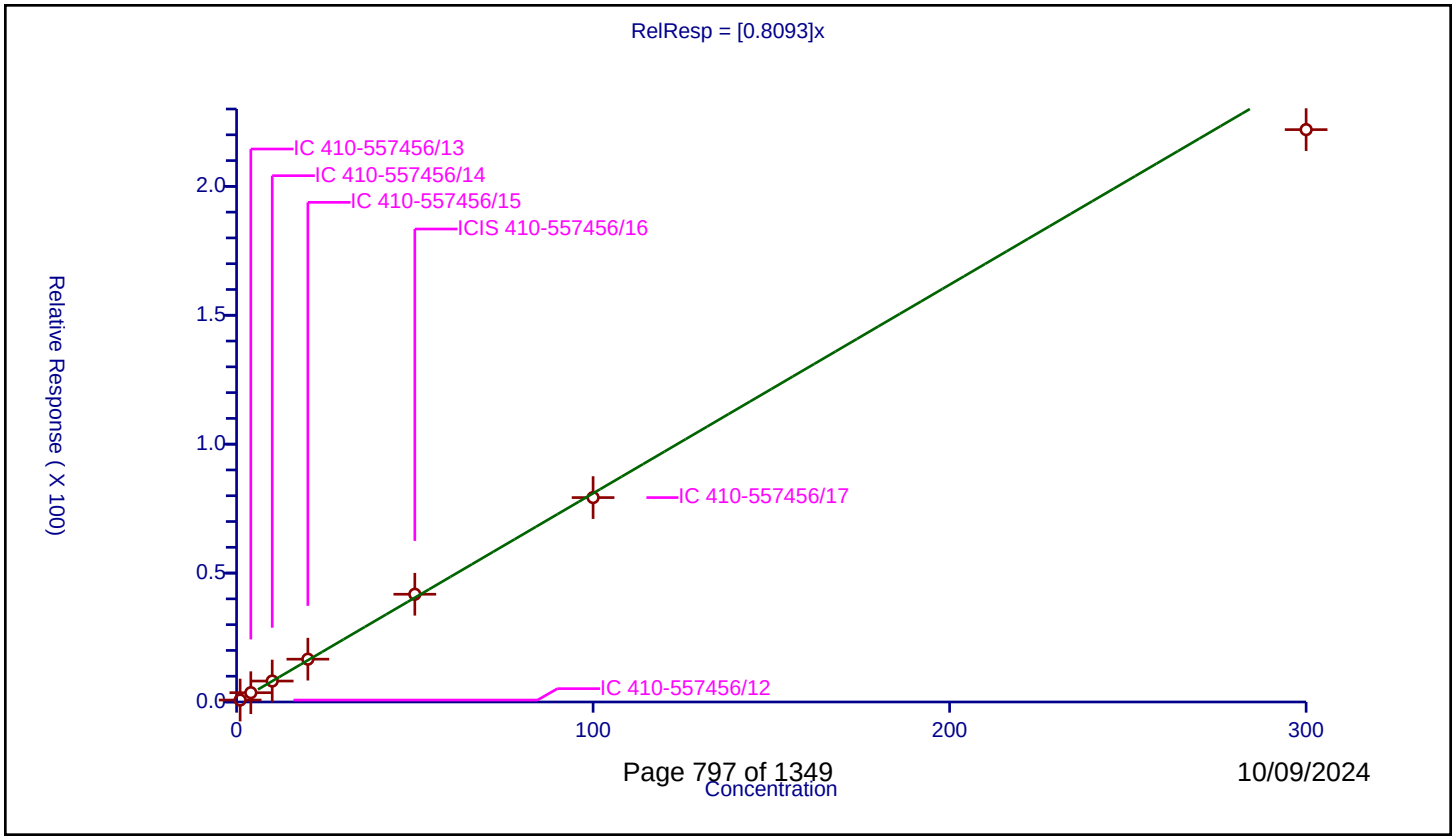
Curve Coefficients

Intercept:	0
Slope:	0.8093

Error Coefficients

Relative Standard Deviation:	6.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.0	0.75313	50.0	1022466.0	0.75313	Y
2	IC 410-557456/13	4.0	3.60023	50.0	998700.0	0.900058	Y
3	IC 410-557456/14	10.0	8.12477	50.0	1066744.0	0.812477	Y
4	IC 410-557456/15	20.0	16.606561	50.0	1064233.0	0.830328	Y
5	ICIS 410-557456/16	50.0	41.794977	50.0	1027456.0	0.8359	Y
6	IC 410-557456/17	100.0	79.289805	50.0	1065567.0	0.792898	Y
7	IC 410-557456/18	300.0	222.005054	50.0	1093292.0	0.740017	Y



Calibration / Trichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

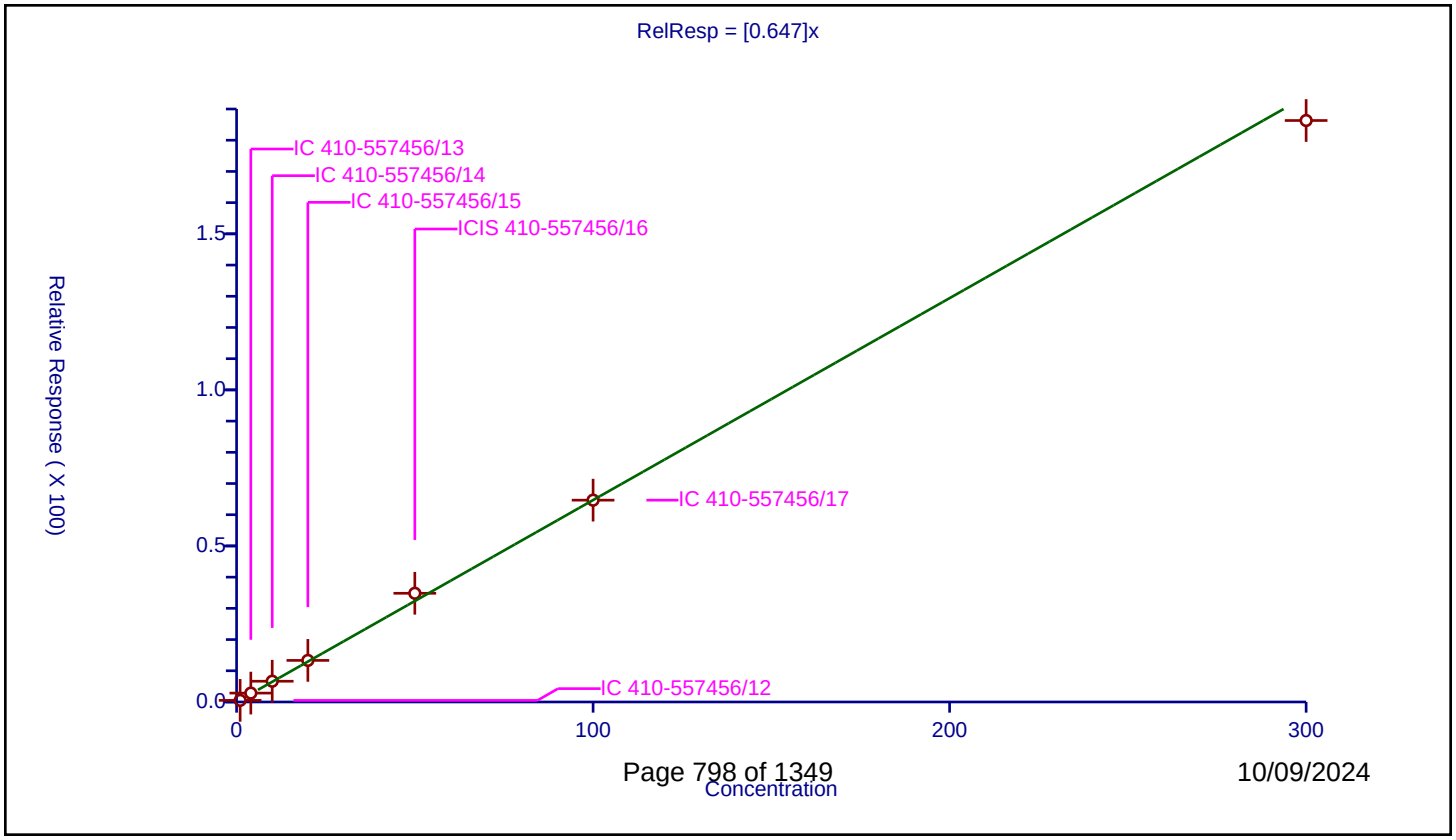
Curve Coefficients

Intercept:	0
Slope:	0.647

Error Coefficients

Relative Standard Deviation:	9.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.0	0.52036	50.0	1022466.0	0.52036	Y
2	IC 410-557456/13	4.0	2.849054	50.0	998700.0	0.712263	Y
3	IC 410-557456/14	10.0	6.656002	50.0	1066744.0	0.6656	Y
4	IC 410-557456/15	20.0	13.32368	50.0	1064233.0	0.666184	Y
5	ICIS 410-557456/16	50.0	34.835117	50.0	1027456.0	0.696702	Y
6	IC 410-557456/17	100.0	64.669702	50.0	1065567.0	0.646697	Y
7	IC 410-557456/18	300.0	186.315778	50.0	1093292.0	0.621053	Y



Calibration / Pentane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

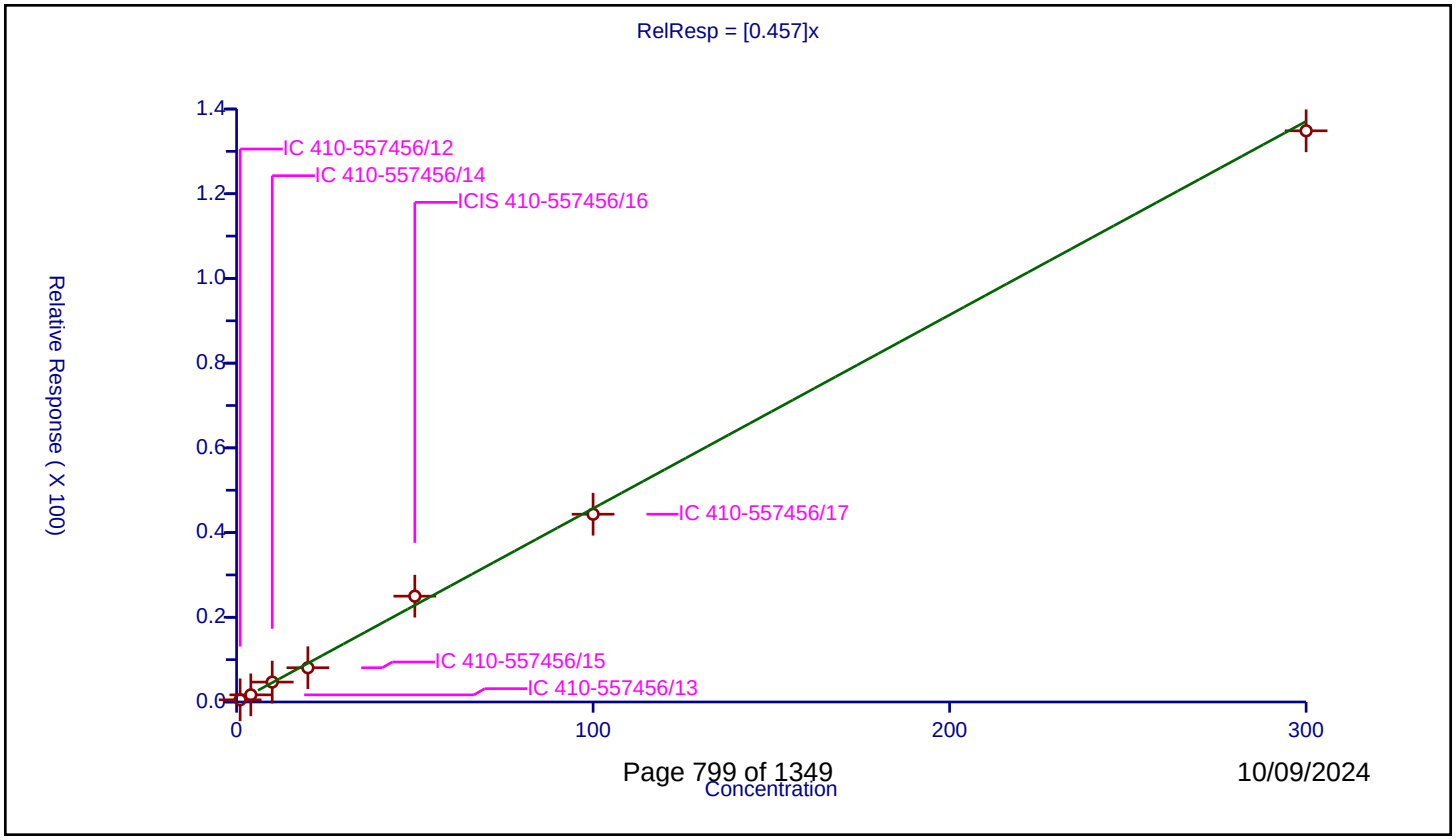
Curve Coefficients

Intercept:	0
Slope:	0.457

Error Coefficients

Relative Standard Deviation:	8.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.0	0.510579	50.0	1022466.0	0.510579	Y
2	IC 410-557456/13	4.0	1.685191	50.0	998700.0	0.421298	Y
3	IC 410-557456/14	10.0	4.700894	50.0	1066744.0	0.470089	Y
4	IC 410-557456/15	20.0	8.083944	50.0	1064233.0	0.404197	Y
5	ICIS 410-557456/16	50.0	24.985985	50.0	1027456.0	0.49972	Y
6	IC 410-557456/17	100.0	44.333909	50.0	1065567.0	0.443339	Y
7	IC 410-557456/18	300.0	134.85368	50.0	1093292.0	0.449512	Y



10/09/2024

Calibration / Ethanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

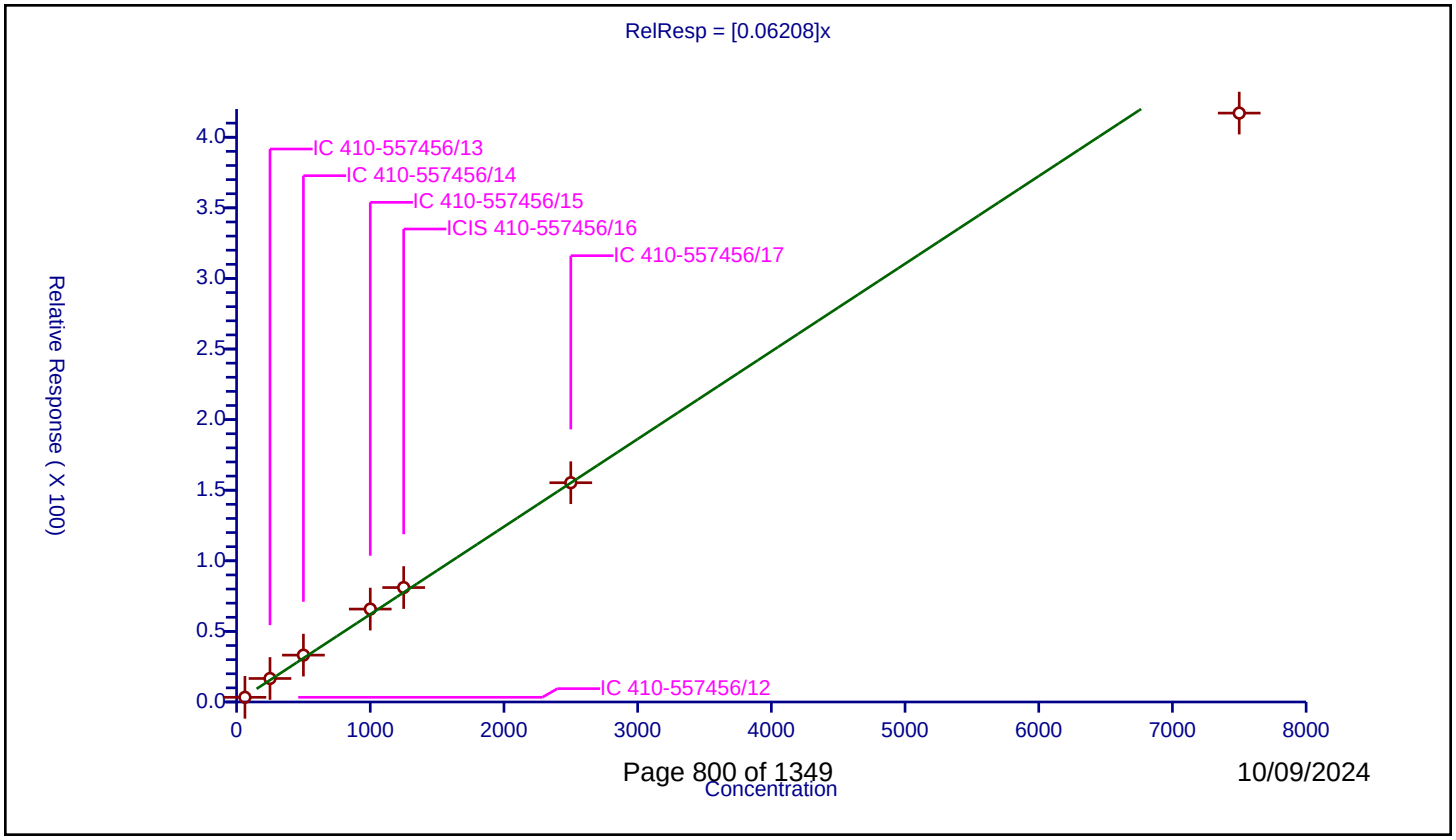
Curve Coefficients

Intercept:	0
Slope:	0.06208

Error Coefficients

Relative Standard Deviation:	8.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	62.497786	3.321747	250.0	325657.0	0.05315	Y
2	IC 410-557456/13	249.991144	16.640293	250.0	311548.0	0.066564	Y
3	IC 410-557456/14	499.982288	33.200006	250.0	339390.0	0.066402	Y
4	IC 410-557456/15	999.964576	65.816453	250.0	326761.0	0.065819	Y
5	ICIS 410-557456/16	1249.95572	81.065619	250.0	331685.0	0.064855	Y
6	IC 410-557456/17	2499.91144	155.314303	250.0	356519.0	0.062128	Y
7	IC 410-557456/18	7499.73432	417.106761	250.0	370754.0	0.055616	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

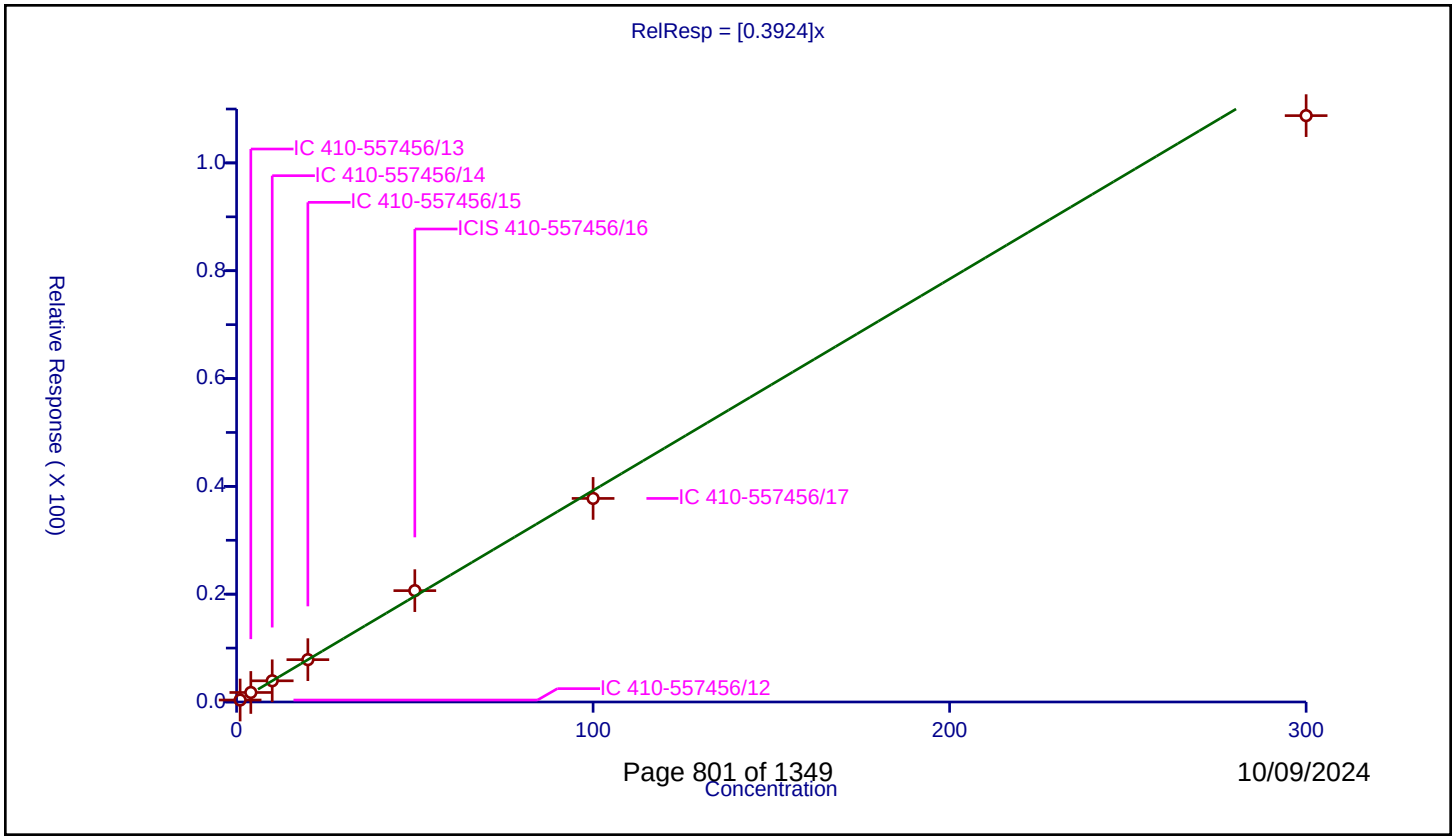
Curve Coefficients

Intercept:	0
Slope:	0.3924

Error Coefficients

Relative Standard Deviation:	7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.0	0.365978	50.0	1022466.0	0.365978	Y
2	IC 410-557456/13	4.0	1.765996	50.0	998700.0	0.441499	Y
3	IC 410-557456/14	10.0	3.932059	50.0	1066744.0	0.393206	Y
4	IC 410-557456/15	20.0	7.850818	50.0	1064233.0	0.392541	Y
5	ICIS 410-557456/16	50.0	20.655191	50.0	1027456.0	0.413104	Y
6	IC 410-557456/17	100.0	37.762337	50.0	1065567.0	0.377623	Y
7	IC 410-557456/18	300.0	108.77556	50.0	1093292.0	0.362585	Y



10/09/2024

Calibration / Acrolein

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

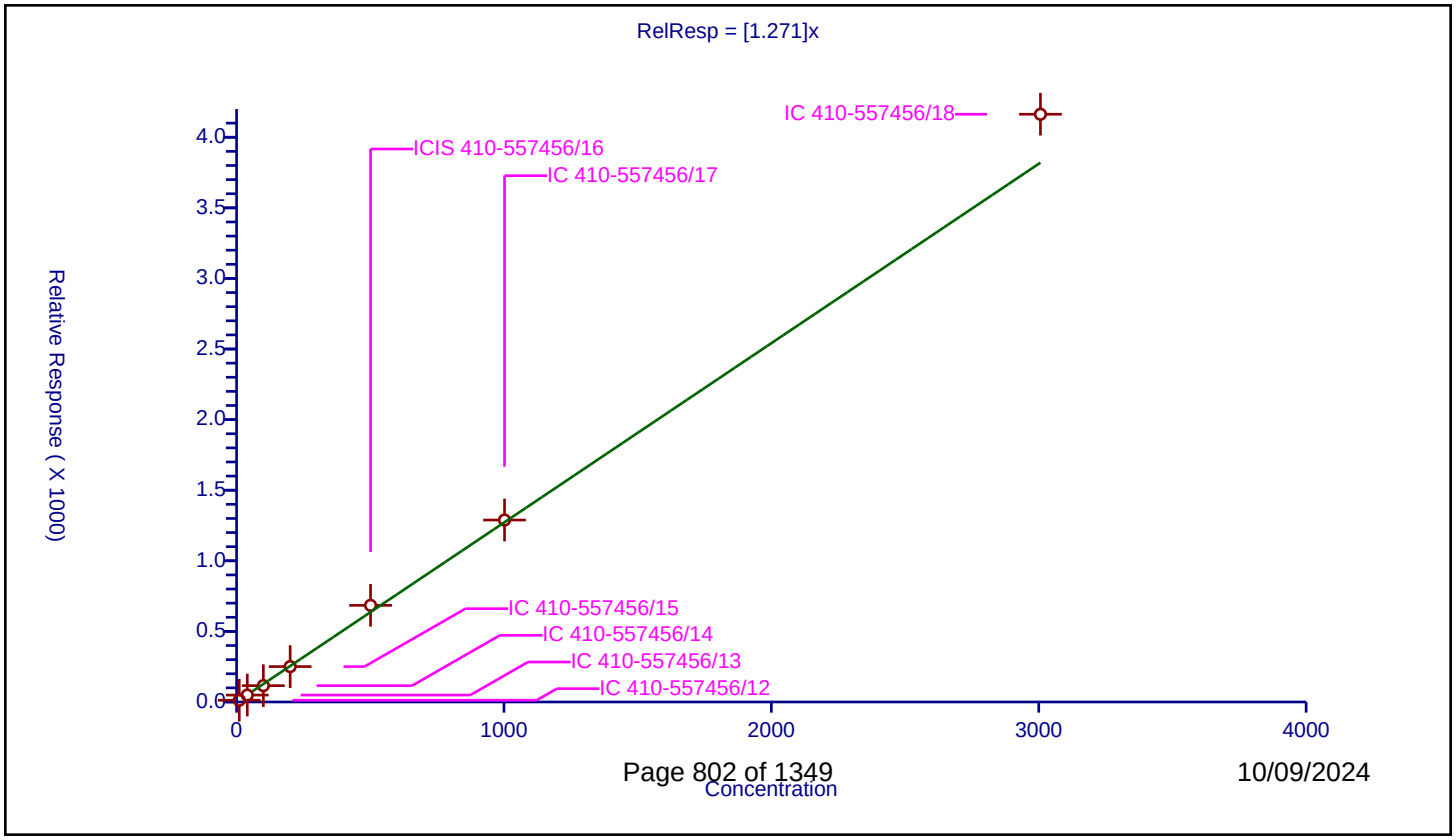
Curve Coefficients

Intercept:	0
Slope:	1.271

Error Coefficients

Relative Standard Deviation:	6.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	10.021277	12.346579	250.0	325657.0	1.232036	Y
2	IC 410-557456/13	40.08511	48.921033	250.0	311548.0	1.220429	Y
3	IC 410-557456/14	100.212774	115.632458	250.0	339390.0	1.153869	Y
4	IC 410-557456/15	200.425549	250.814051	250.0	326761.0	1.251408	Y
5	ICIS 410-557456/16	501.063872	684.406138	250.0	331685.0	1.365906	Y
6	IC 410-557456/17	1002.127744	1288.787554	250.0	356519.0	1.286051	Y
7	IC 410-557456/18	3006.383231	4163.071066	250.0	370754.0	1.384744	Y



Calibration / 1,1-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

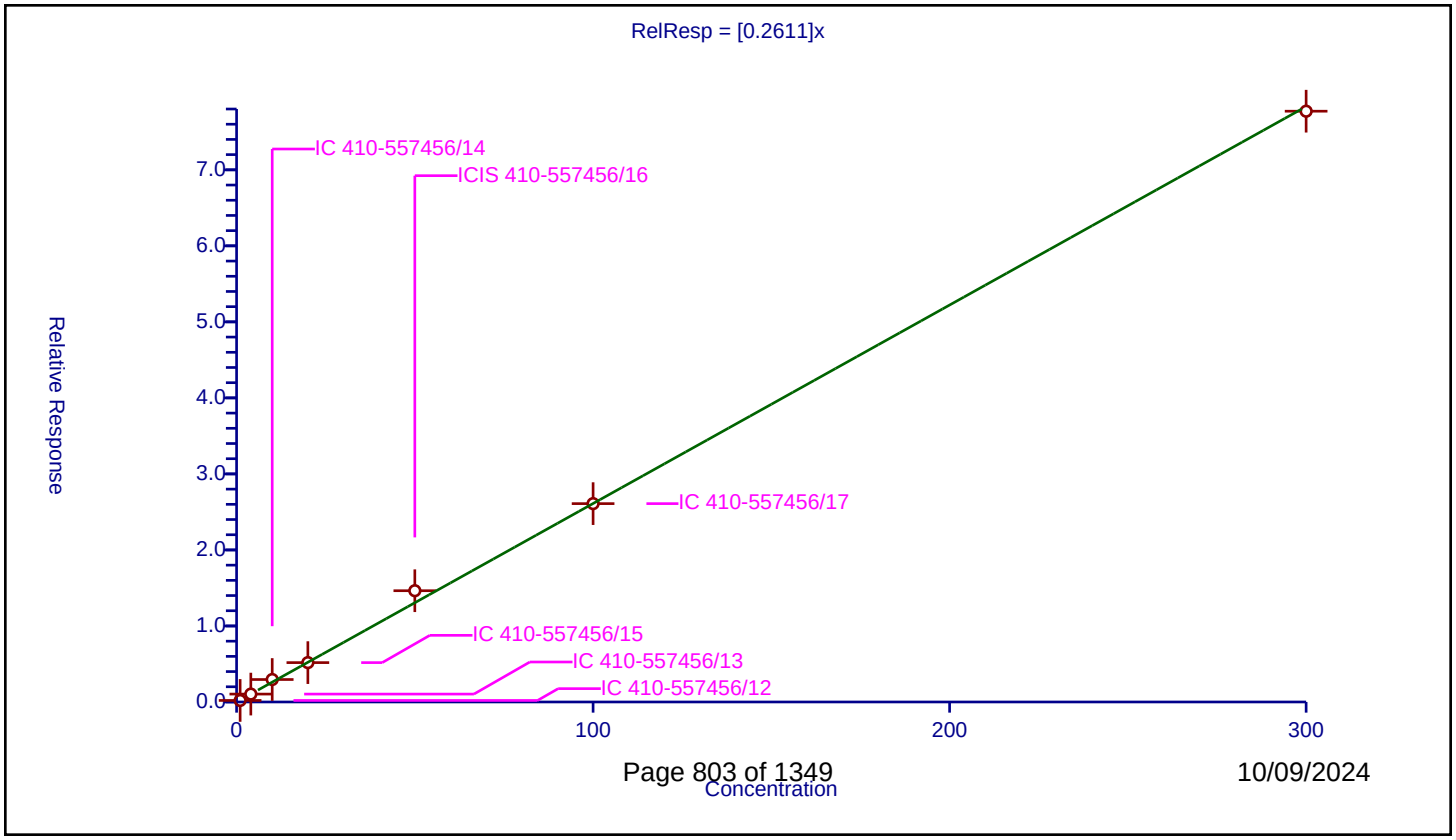
Curve Coefficients

Intercept:	0
Slope:	0.2611

Error Coefficients

Relative Standard Deviation:	12.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.0	0.200104	50.0	1022466.0	0.200104	Y
2	IC 410-557456/13	4.0	1.040803	50.0	998700.0	0.260201	Y
3	IC 410-557456/14	10.0	2.956848	50.0	1066744.0	0.295685	Y
4	IC 410-557456/15	20.0	5.177579	50.0	1064233.0	0.258879	Y
5	ICIS 410-557456/16	50.0	14.636442	50.0	1027456.0	0.292729	Y
6	IC 410-557456/17	100.0	26.092728	50.0	1065567.0	0.260927	Y
7	IC 410-557456/18	300.0	77.711627	50.0	1093292.0	0.259039	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

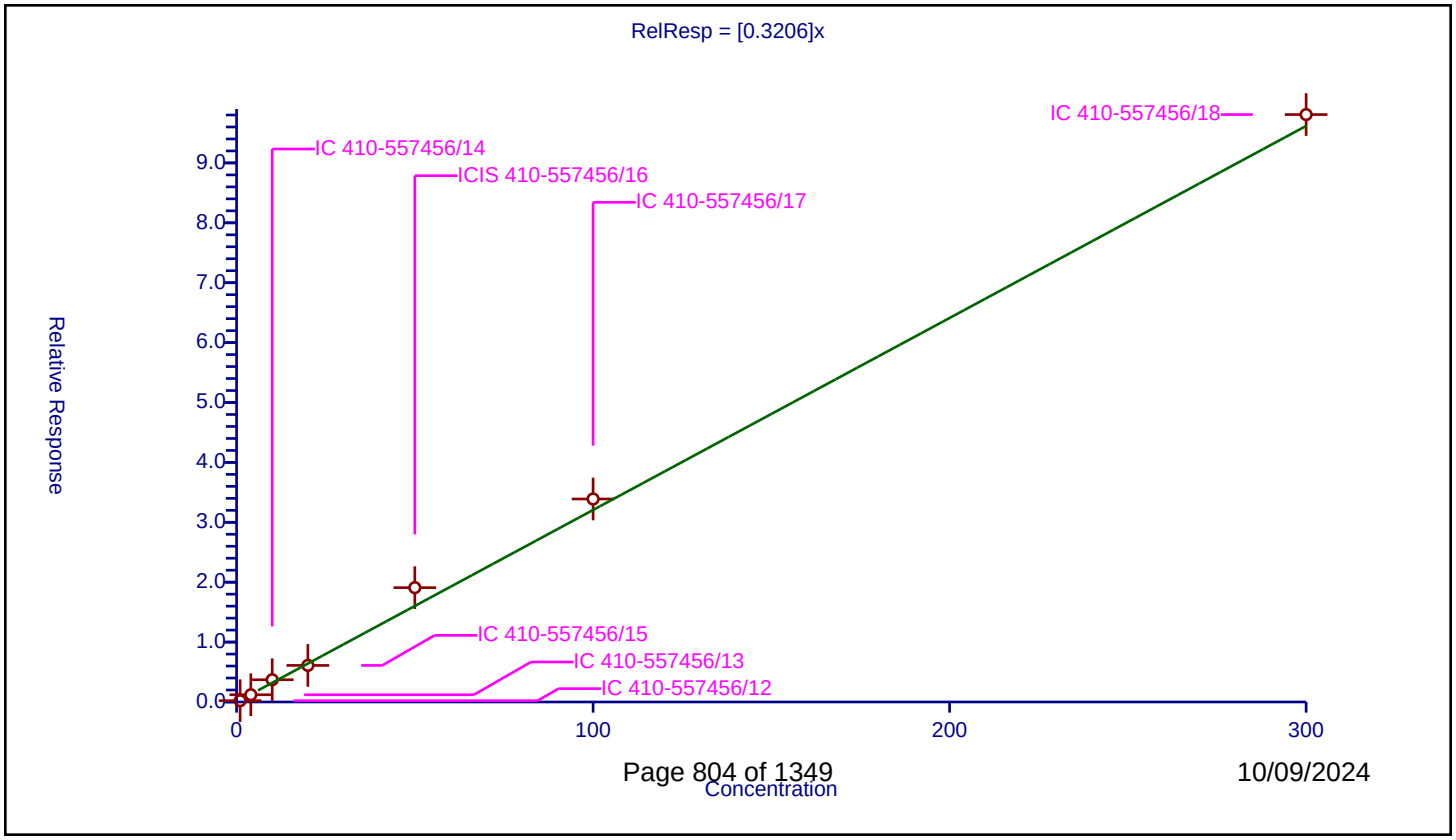
Curve Coefficients

Intercept:	0
Slope:	0.3206

Error Coefficients

Relative Standard Deviation:	17.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.0	0.21678	50.0	1022466.0	0.21678	Y
2	IC 410-557456/13	4.0	1.210724	50.0	998700.0	0.302681	Y
3	IC 410-557456/14	10.0	3.715324	50.0	1066744.0	0.371532	Y
4	IC 410-557456/15	20.0	6.106464	50.0	1064233.0	0.305323	Y
5	ICIS 410-557456/16	50.0	19.088749	50.0	1027456.0	0.381775	Y
6	IC 410-557456/17	100.0	33.893176	50.0	1065567.0	0.338932	Y
7	IC 410-557456/18	300.0	98.07197	50.0	1093292.0	0.326907	Y



Calibration / Acetone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

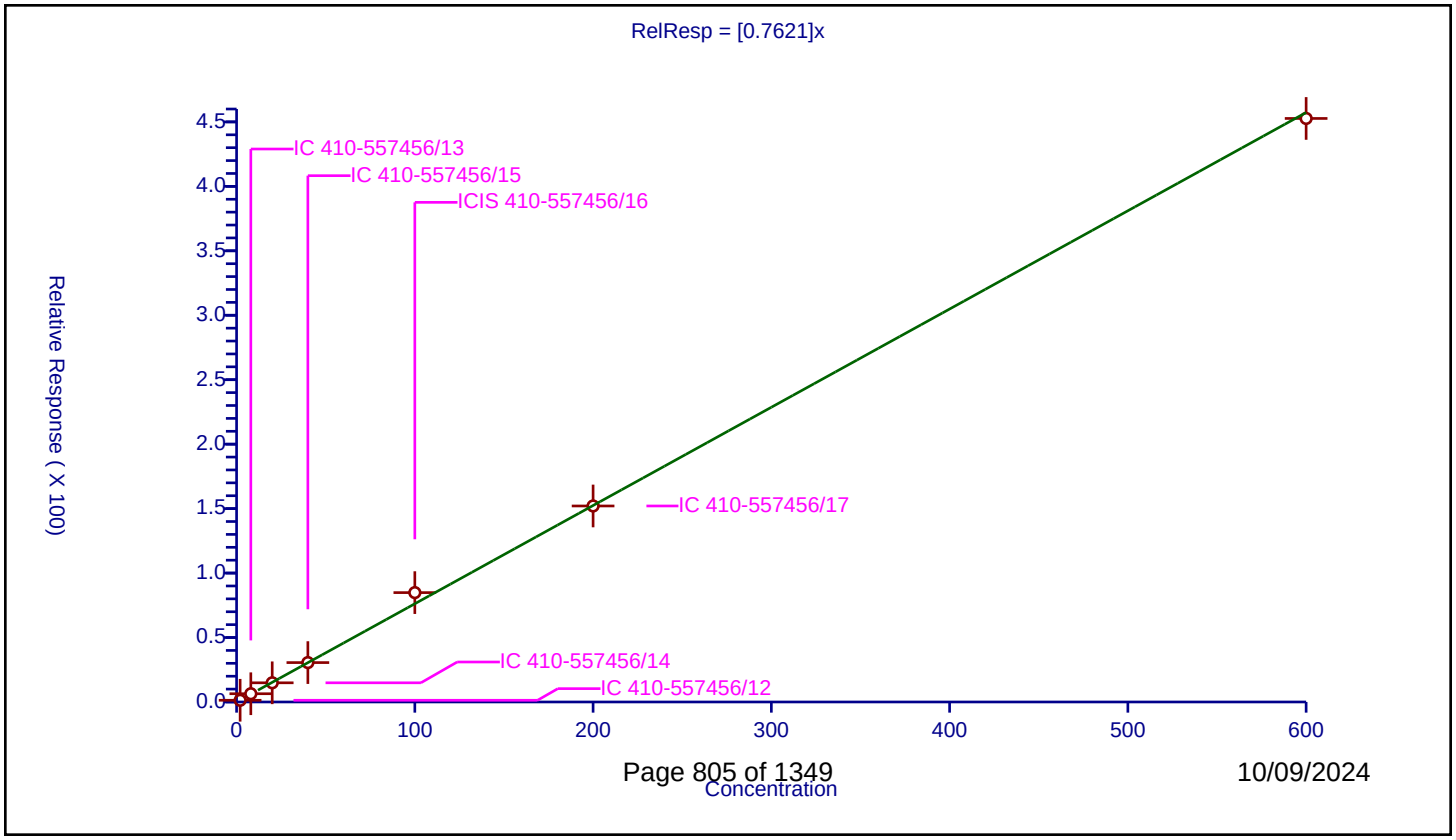
Curve Coefficients

Intercept:	0
Slope:	0.7621

Error Coefficients

Relative Standard Deviation:	7.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	2.0	1.326549	250.0	325657.0	0.663275	Y
2	IC 410-557456/13	8.0	6.400298	250.0	311548.0	0.800037	Y
3	IC 410-557456/14	20.0	14.886267	250.0	339390.0	0.744313	Y
4	IC 410-557456/15	40.0	30.554442	250.0	326761.0	0.763861	Y
5	ICIS 410-557456/16	100.0	84.853852	250.0	331685.0	0.848539	Y
6	IC 410-557456/17	200.0	152.057815	250.0	356519.0	0.760289	Y
7	IC 410-557456/18	600.0	452.674819	250.0	370754.0	0.754458	Y



Calibration / Iodomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

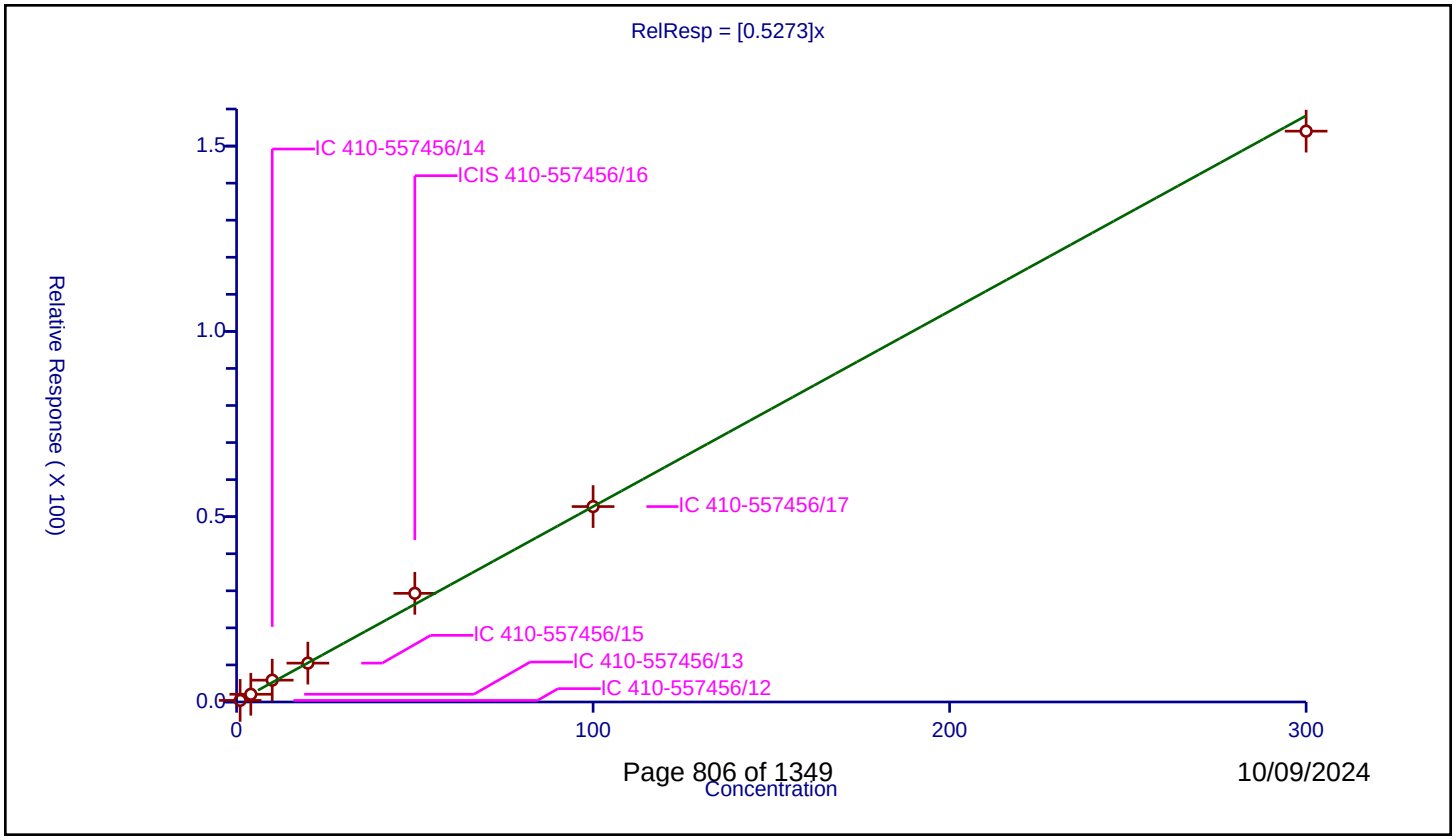
Curve Coefficients

Intercept:	0
Slope:	0.5273

Error Coefficients

Relative Standard Deviation:	10.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.0	0.430821	50.0	1022466.0	0.430821	Y
2	IC 410-557456/13	4.0	2.080354	50.0	998700.0	0.520089	Y
3	IC 410-557456/14	10.0	5.890589	50.0	1066744.0	0.589059	Y
4	IC 410-557456/15	20.0	10.484734	50.0	1064233.0	0.524237	Y
5	ICIS 410-557456/16	50.0	29.315805	50.0	1027456.0	0.586316	Y
6	IC 410-557456/17	100.0	52.730096	50.0	1065567.0	0.527301	Y
7	IC 410-557456/18	300.0	154.026097	50.0	1093292.0	0.51342	Y



Calibration / Isopropyl alcohol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

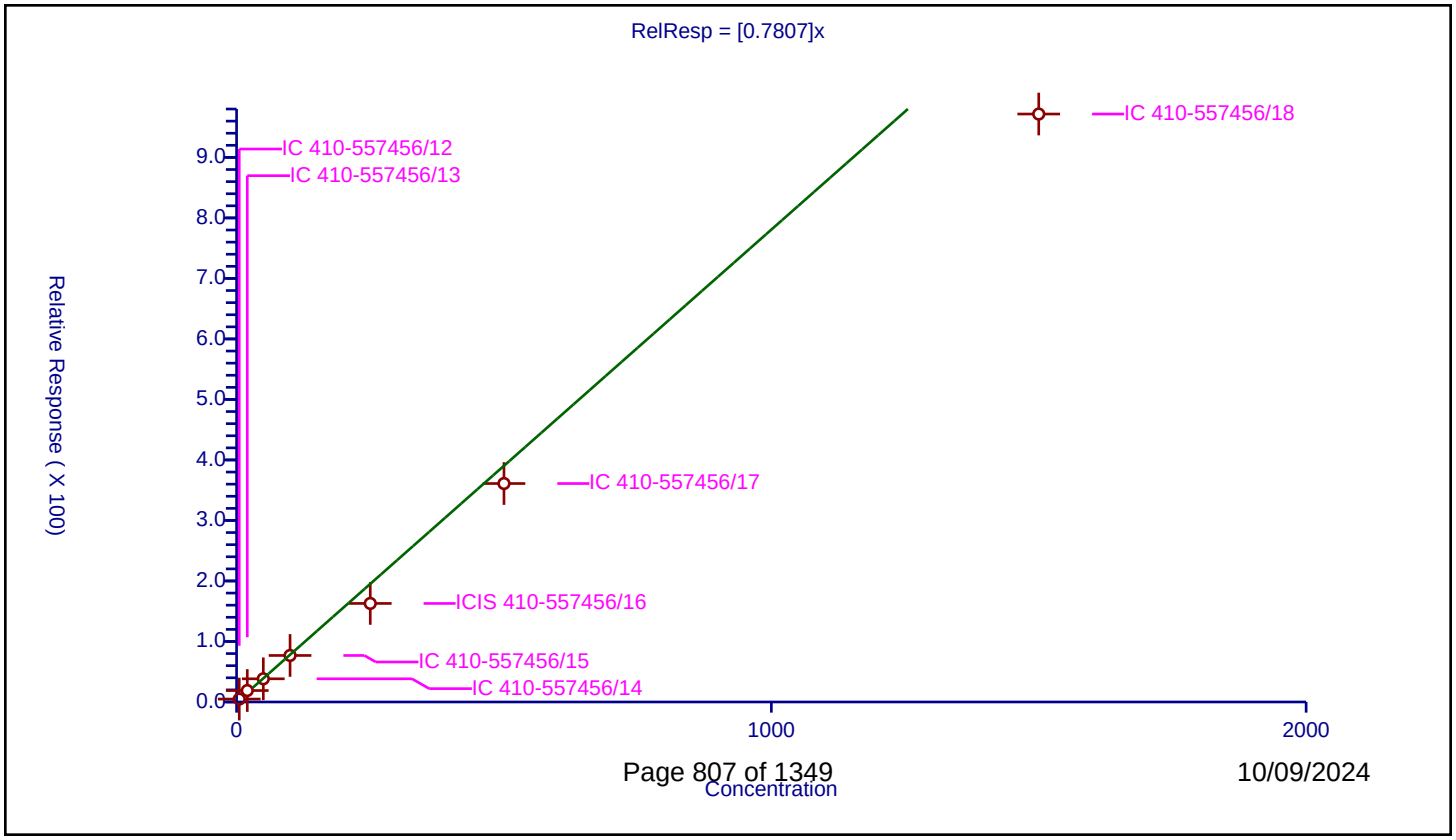
Curve Coefficients

Intercept:	0
Slope:	0.7807

Error Coefficients

Relative Standard Deviation:	16.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	5.0	4.803367	250.0	325657.0	0.960673	Y
2	IC 410-557456/13	20.0	18.948124	250.0	311548.0	0.947406	Y
3	IC 410-557456/14	50.0	38.321695	250.0	339390.0	0.766434	Y
4	IC 410-557456/15	100.0	76.866578	250.0	326761.0	0.768666	Y
5	ICIS 410-557456/16	250.0	162.878936	250.0	331685.0	0.651516	Y
6	IC 410-557456/17	500.0	361.061402	250.0	356519.0	0.722123	Y
7	IC 410-557456/18	1500.0	971.706981	250.0	370754.0	0.647805	Y



Calibration / Carbon disulfide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

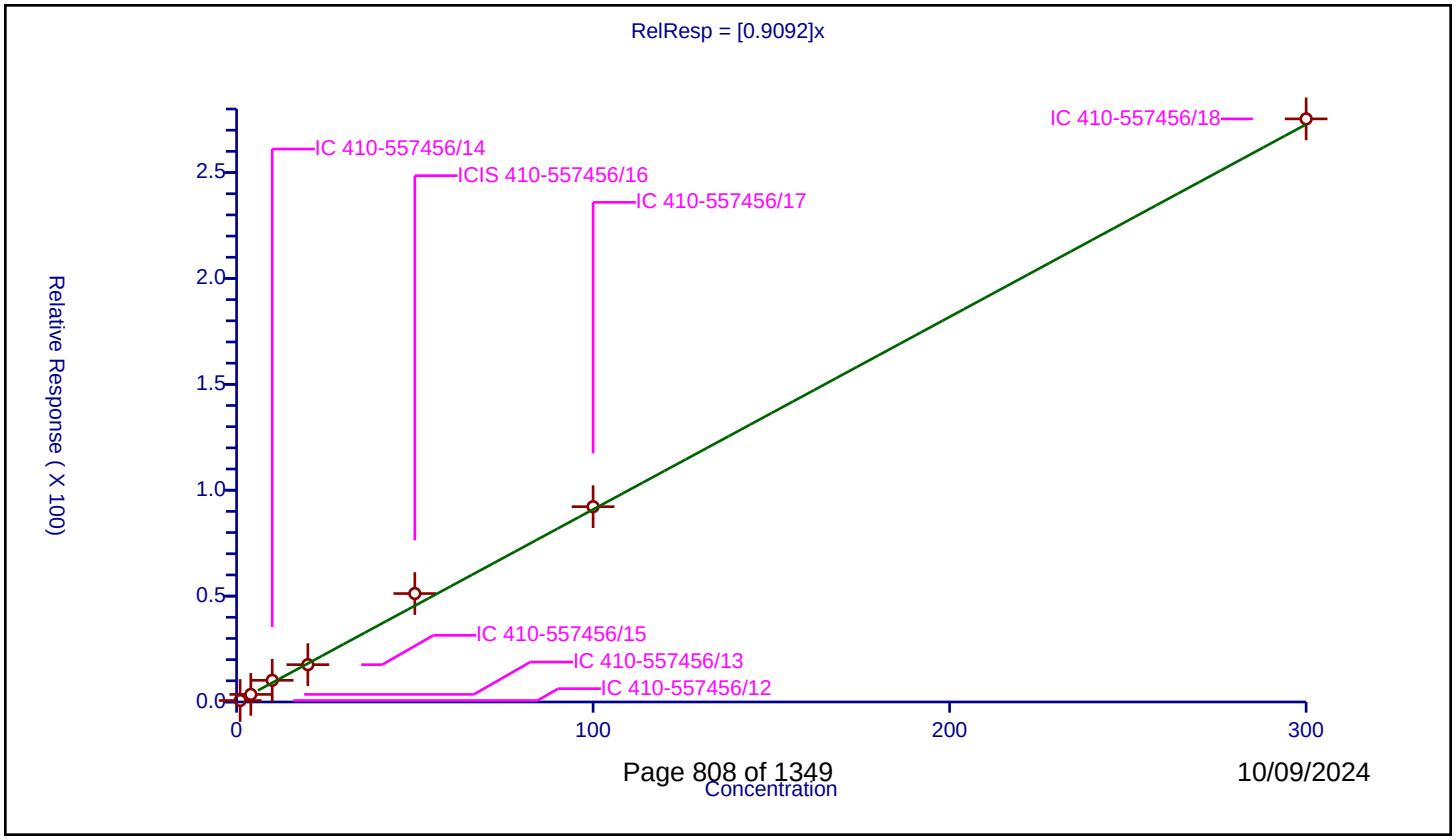
Curve Coefficients

Intercept:	0
Slope:	0.9092

Error Coefficients

Relative Standard Deviation:	12.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.0	0.69929	50.0	1022466.0	0.69929	Y
2	IC 410-557456/13	4.0	3.586012	50.0	998700.0	0.896503	Y
3	IC 410-557456/14	10.0	10.229727	50.0	1066744.0	1.022973	Y
4	IC 410-557456/15	20.0	17.621705	50.0	1064233.0	0.881085	Y
5	ICIS 410-557456/16	50.0	51.209541	50.0	1027456.0	1.024191	Y
6	IC 410-557456/17	100.0	92.233478	50.0	1065567.0	0.922335	Y
7	IC 410-557456/18	300.0	275.340348	50.0	1093292.0	0.917801	Y



Calibration / Methyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

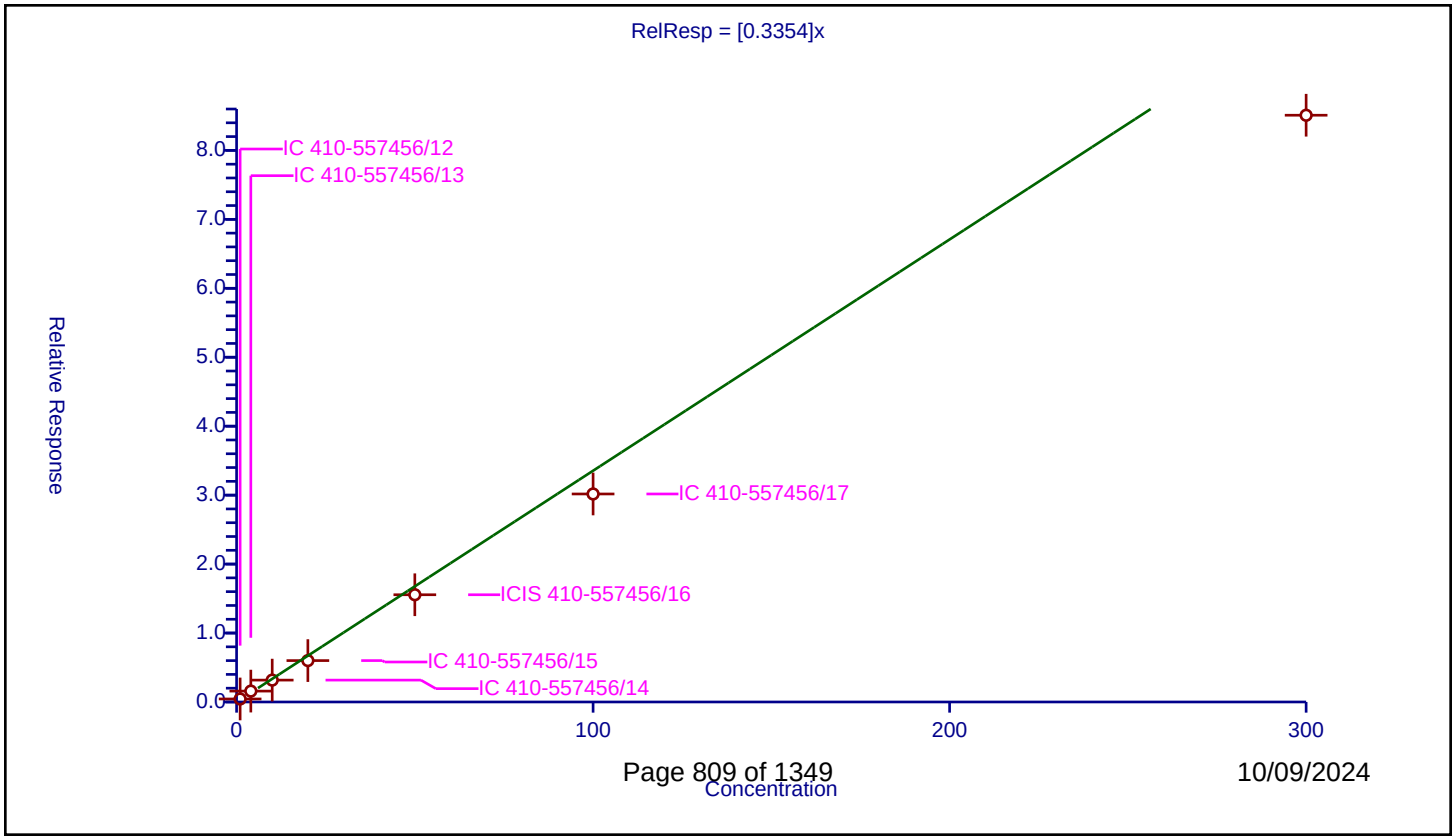
Curve Coefficients

Intercept:	0
Slope:	0.3354

Error Coefficients

Relative Standard Deviation:	17.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.0	0.438939	50.0	1022466.0	0.438939	Y
2	IC 410-557456/13	4.0	1.579854	50.0	998700.0	0.394963	Y
3	IC 410-557456/14	10.0	3.173676	50.0	1066744.0	0.317368	Y
4	IC 410-557456/15	20.0	6.003807	50.0	1064233.0	0.30019	Y
5	ICIS 410-557456/16	50.0	15.552539	50.0	1027456.0	0.311051	Y
6	IC 410-557456/17	100.0	30.168586	50.0	1065567.0	0.301686	Y
7	IC 410-557456/18	300.0	85.096891	50.0	1093292.0	0.283656	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

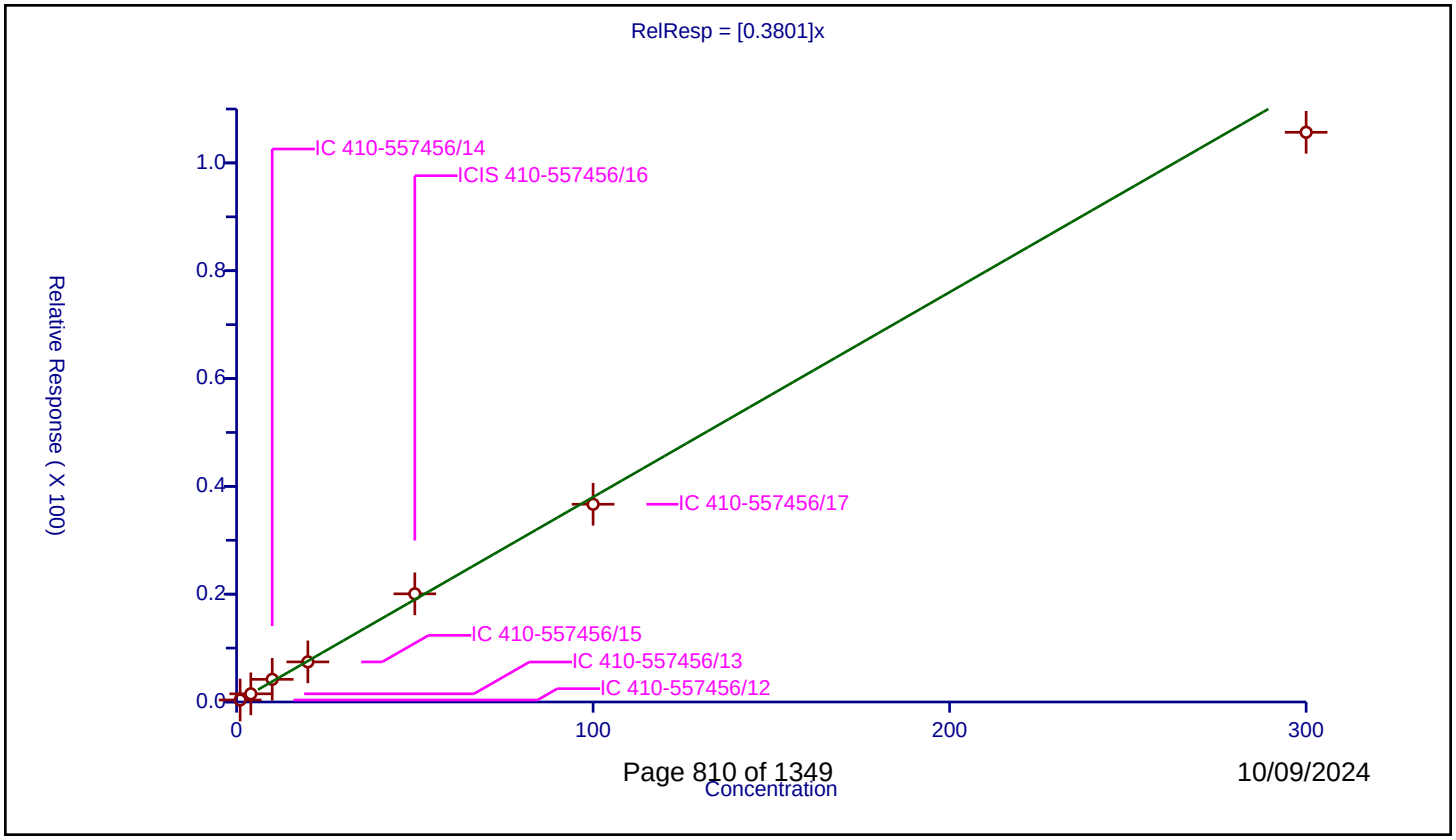
Curve Coefficients

Intercept:	0
Slope:	0.3801

Error Coefficients

Relative Standard Deviation:	6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.0	0.369254	50.0	1022466.0	0.369254	Y
2	IC 410-557456/13	4.0	1.516371	50.0	998700.0	0.379093	Y
3	IC 410-557456/14	10.0	4.200914	50.0	1066744.0	0.420091	Y
4	IC 410-557456/15	20.0	7.435402	50.0	1064233.0	0.37177	Y
5	ICIS 410-557456/16	50.0	20.063828	50.0	1027456.0	0.401277	Y
6	IC 410-557456/17	100.0	36.685023	50.0	1065567.0	0.36685	Y
7	IC 410-557456/18	300.0	105.682562	50.0	1093292.0	0.352275	Y



Calibration / Methylene Chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

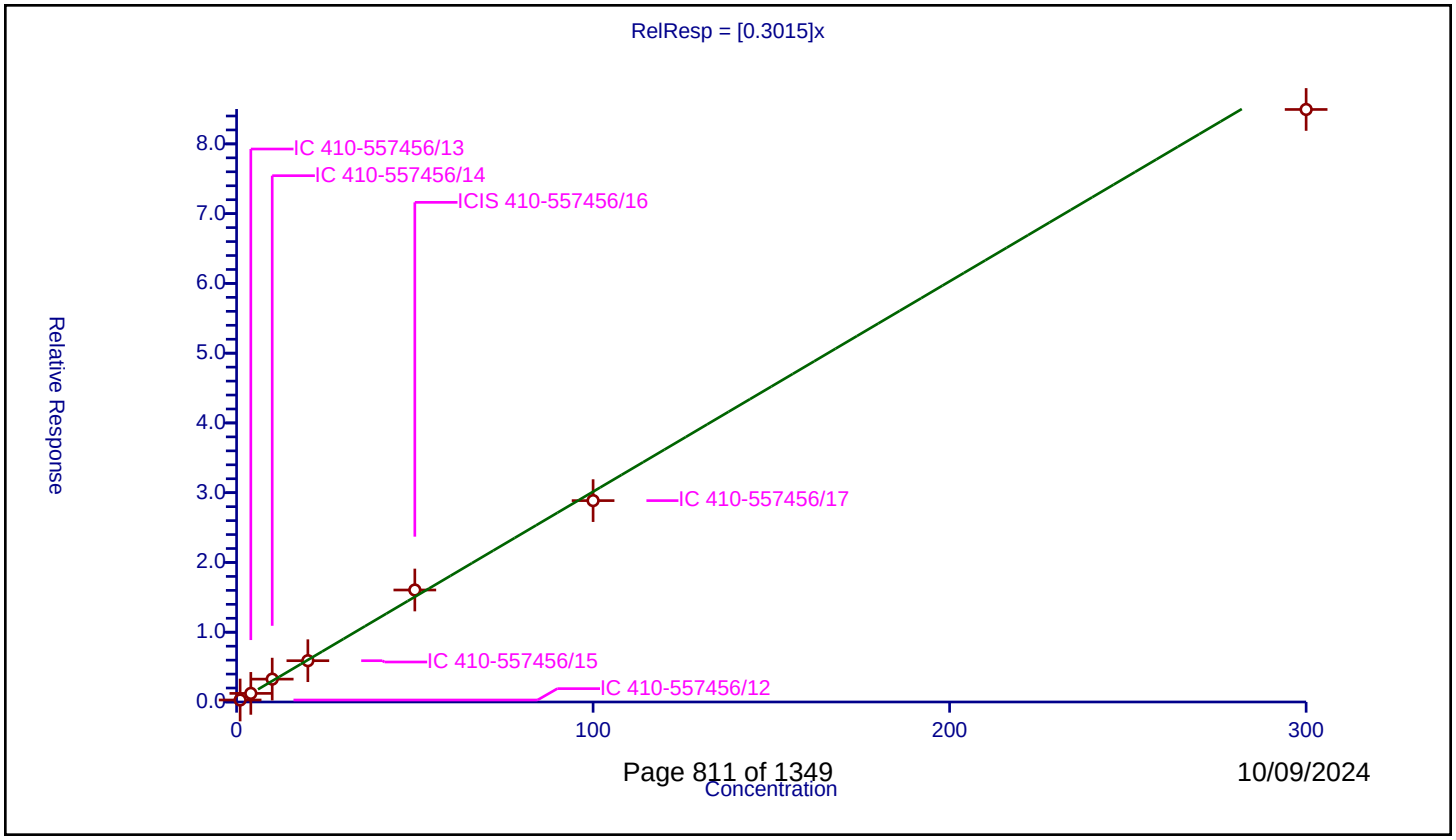
Curve Coefficients

Intercept:	0
Slope:	0.3015

Error Coefficients

Relative Standard Deviation:	5.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.0	0.285535	50.0	1022466.0	0.285535	Y
2	IC 410-557456/13	4.0	1.232502	50.0	998700.0	0.308126	Y
3	IC 410-557456/14	10.0	3.278012	50.0	1066744.0	0.327801	Y
4	IC 410-557456/15	20.0	5.918441	50.0	1064233.0	0.295922	Y
5	ICIS 410-557456/16	50.0	16.053972	50.0	1027456.0	0.321079	Y
6	IC 410-557456/17	100.0	28.86543	50.0	1065567.0	0.288654	Y
7	IC 410-557456/18	300.0	84.934171	50.0	1093292.0	0.283114	Y



Calibration / 2-Methyl-2-propanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

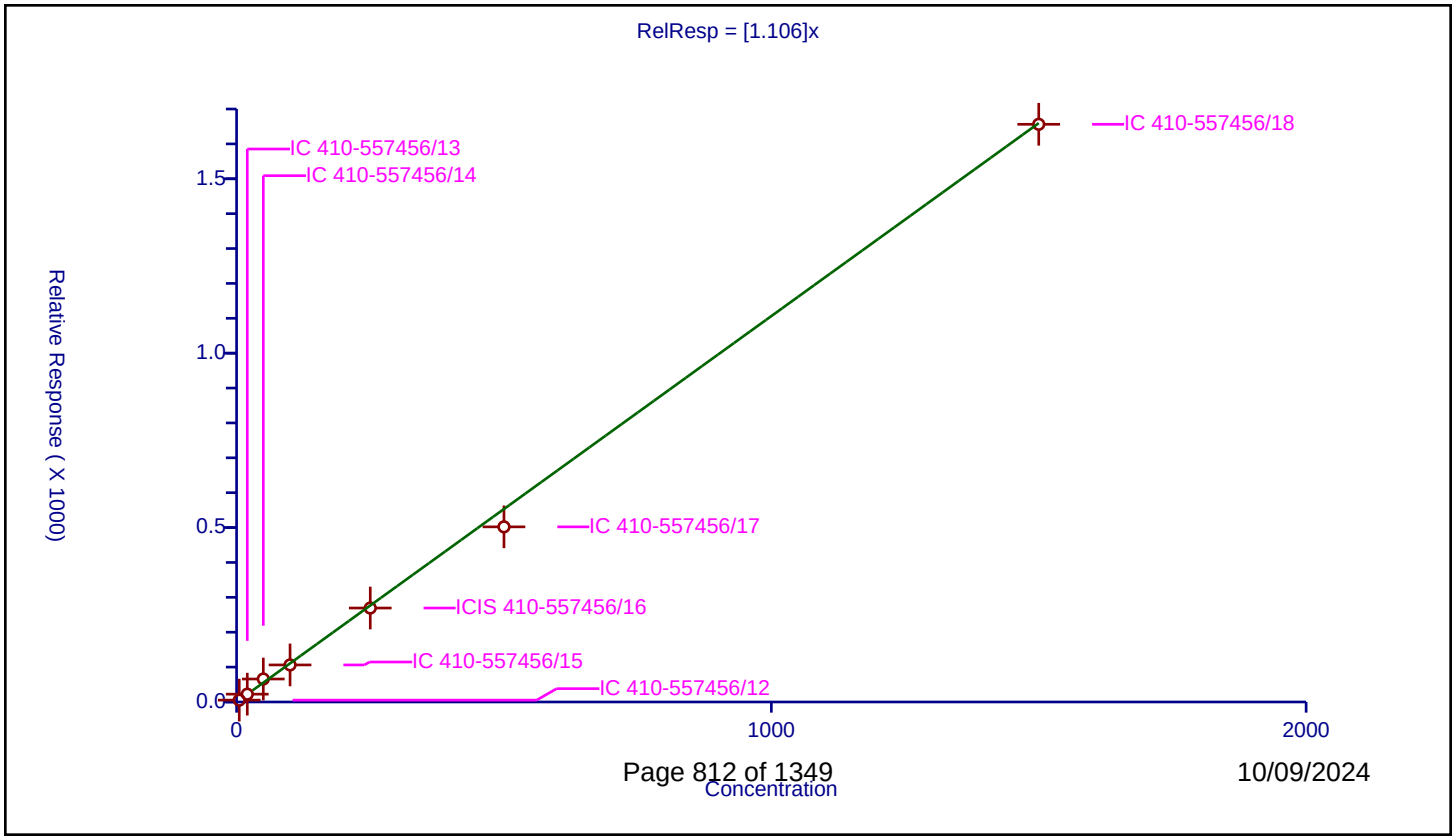
Curve Coefficients

Intercept:	0
Slope:	1.106

Error Coefficients

Relative Standard Deviation:	9.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	5.0	5.290075	250.0	325657.0	1.058015	Y
2	IC 410-557456/13	20.0	22.417091	250.0	311548.0	1.120855	Y
3	IC 410-557456/14	50.0	65.877015	250.0	339390.0	1.31754	Y
4	IC 410-557456/15	100.0	106.233608	250.0	326761.0	1.062336	Y
5	ICIS 410-557456/16	250.0	269.358729	250.0	331685.0	1.077435	Y
6	IC 410-557456/17	500.0	502.070016	250.0	356519.0	1.00414	Y
7	IC 410-557456/18	1500.0	1656.165544	250.0	370754.0	1.10411	Y



Calibration / Acrylonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

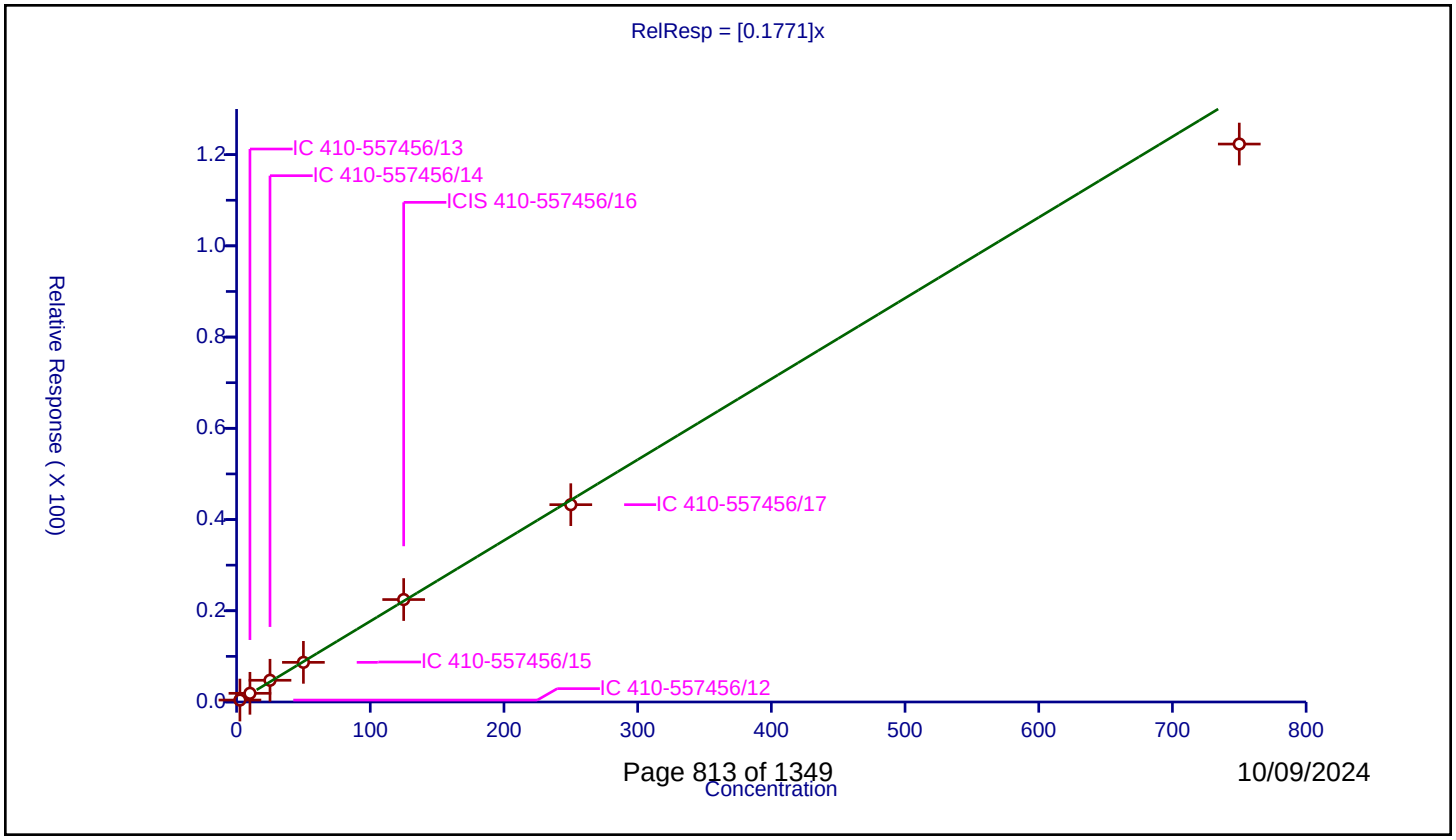
Curve Coefficients

Intercept:	0
Slope:	0.1771

Error Coefficients

Relative Standard Deviation:	5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	2.5	0.423388	50.0	1022466.0	0.169355	Y
2	IC 410-557456/13	10.0	1.90012	50.0	998700.0	0.190012	Y
3	IC 410-557456/14	25.0	4.759202	50.0	1066744.0	0.190368	Y
4	IC 410-557456/15	50.0	8.69288	50.0	1064233.0	0.173858	Y
5	ICIS 410-557456/16	125.0	22.458042	50.0	1027456.0	0.179664	Y
6	IC 410-557456/17	250.0	43.260067	50.0	1065567.0	0.17304	Y
7	IC 410-557456/18	750.0	122.319975	50.0	1093292.0	0.163093	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

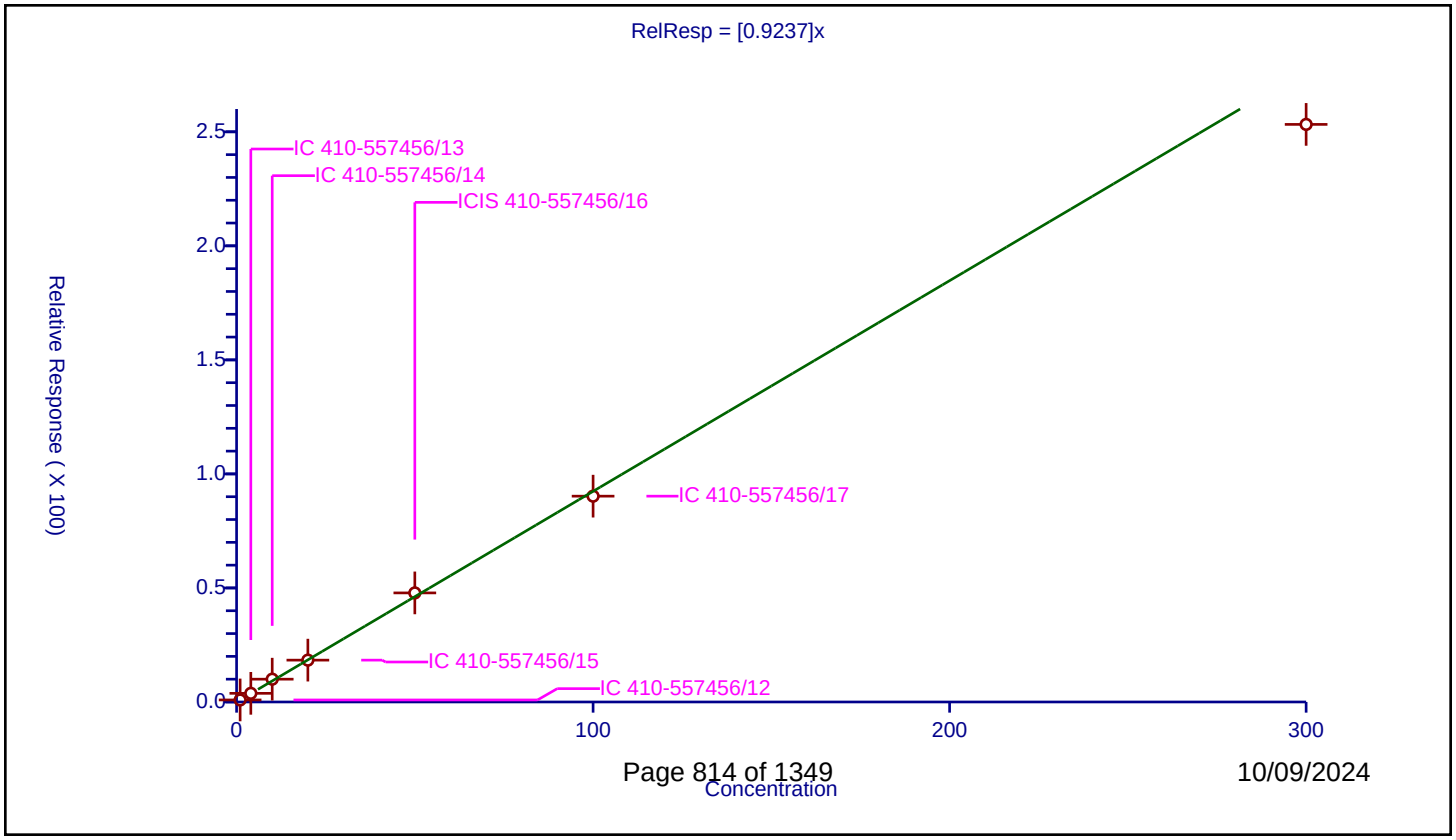
Curve Coefficients

Intercept:	0
Slope:	0.9237

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.0	0.894504	50.0	1022466.0	0.894504	Y
2	IC 410-557456/13	4.0	3.798788	50.0	998700.0	0.949697	Y
3	IC 410-557456/14	10.0	10.004509	50.0	1066744.0	1.000451	Y
4	IC 410-557456/15	20.0	18.354956	50.0	1064233.0	0.917748	Y
5	ICIS 410-557456/16	50.0	47.826476	50.0	1027456.0	0.95653	Y
6	IC 410-557456/17	100.0	90.248478	50.0	1065567.0	0.902485	Y
7	IC 410-557456/18	300.0	253.252791	50.0	1093292.0	0.844176	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

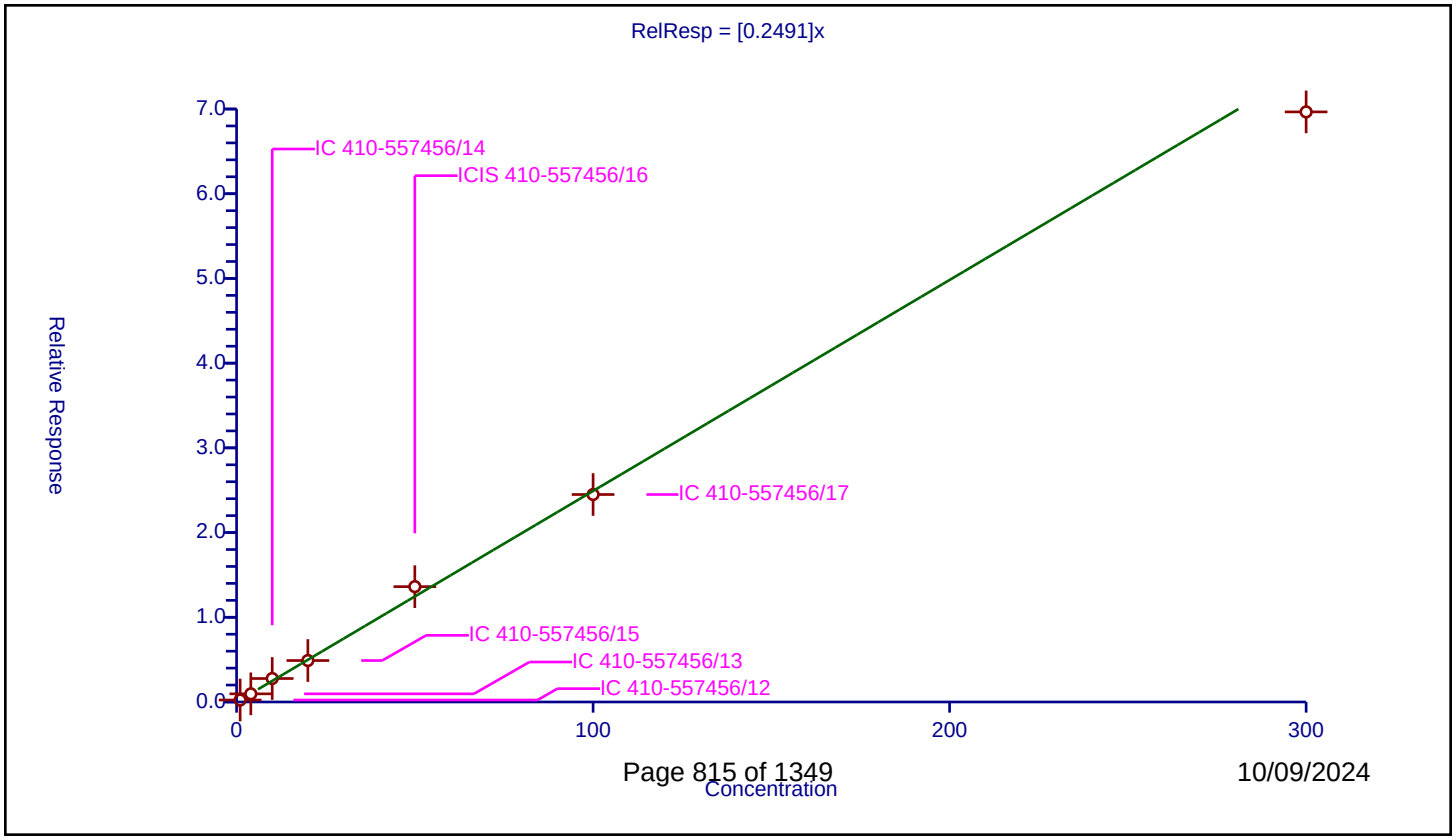
Curve Coefficients

Intercept:	0
Slope:	0.2491

Error Coefficients

Relative Standard Deviation:	7.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.0	0.231695	50.0	1022466.0	0.231695	Y
2	IC 410-557456/13	4.0	0.962051	50.0	998700.0	0.240513	Y
3	IC 410-557456/14	10.0	2.772736	50.0	1066744.0	0.277274	Y
4	IC 410-557456/15	20.0	4.894088	50.0	1064233.0	0.244704	Y
5	ICIS 410-557456/16	50.0	13.618101	50.0	1027456.0	0.272362	Y
6	IC 410-557456/17	100.0	24.493345	50.0	1065567.0	0.244933	Y
7	IC 410-557456/18	300.0	69.65989	50.0	1093292.0	0.2322	Y



Calibration / Hexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

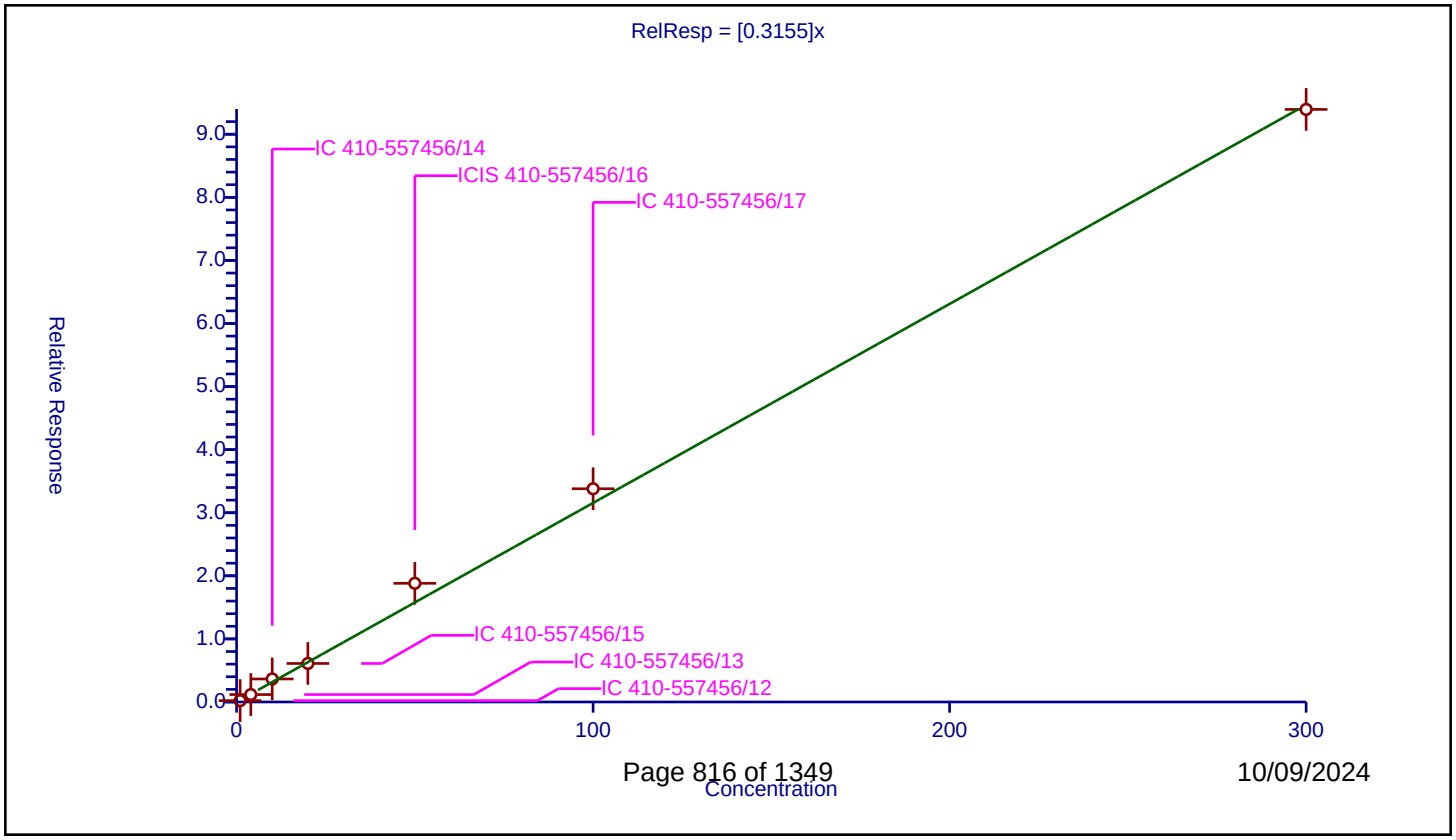
Curve Coefficients

Intercept:	0
Slope:	0.3155

Error Coefficients

Relative Standard Deviation:	16.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.0	0.216682	50.0	1022466.0	0.216682	Y
2	IC 410-557456/13	4.0	1.17658	50.0	998700.0	0.294145	Y
3	IC 410-557456/14	10.0	3.649564	50.0	1066744.0	0.364956	Y
4	IC 410-557456/15	20.0	6.107638	50.0	1064233.0	0.305382	Y
5	ICIS 410-557456/16	50.0	18.81555	50.0	1027456.0	0.376311	Y
6	IC 410-557456/17	100.0	33.805007	50.0	1065567.0	0.33805	Y
7	IC 410-557456/18	300.0	93.936066	50.0	1093292.0	0.31312	Y



Calibration / 1,1-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

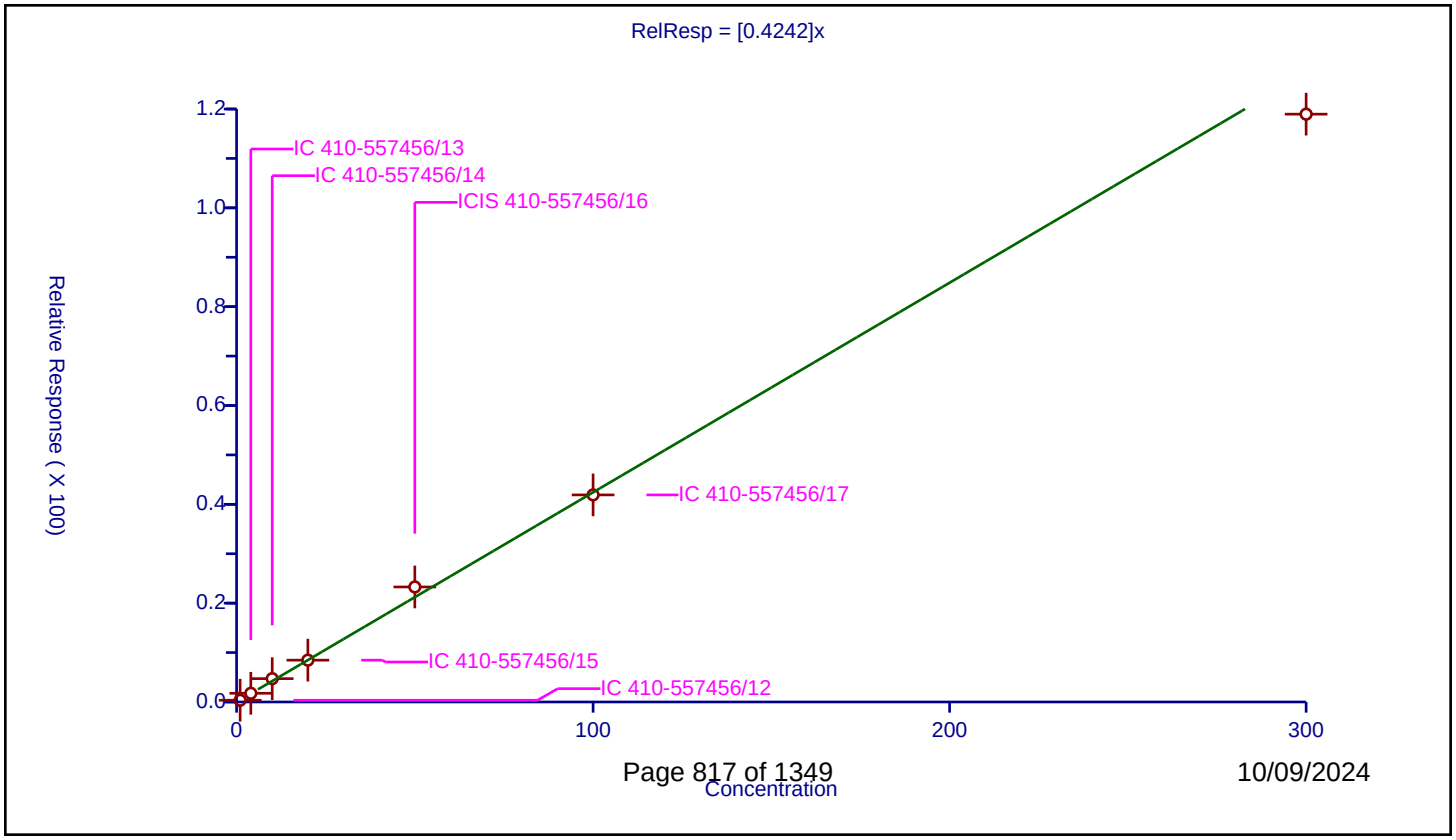
Curve Coefficients

Intercept:	0
Slope:	0.4242

Error Coefficients

Relative Standard Deviation:	9.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.0	0.352188	50.0	1022466.0	0.352188	Y
2	IC 410-557456/13	4.0	1.762341	50.0	998700.0	0.440585	Y
3	IC 410-557456/14	10.0	4.725032	50.0	1066744.0	0.472503	Y
4	IC 410-557456/15	20.0	8.463137	50.0	1064233.0	0.423157	Y
5	ICIS 410-557456/16	50.0	23.276131	50.0	1027456.0	0.465523	Y
6	IC 410-557456/17	100.0	41.906797	50.0	1065567.0	0.419068	Y
7	IC 410-557456/18	300.0	118.957058	50.0	1093292.0	0.396524	Y



Calibration / Isopropyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

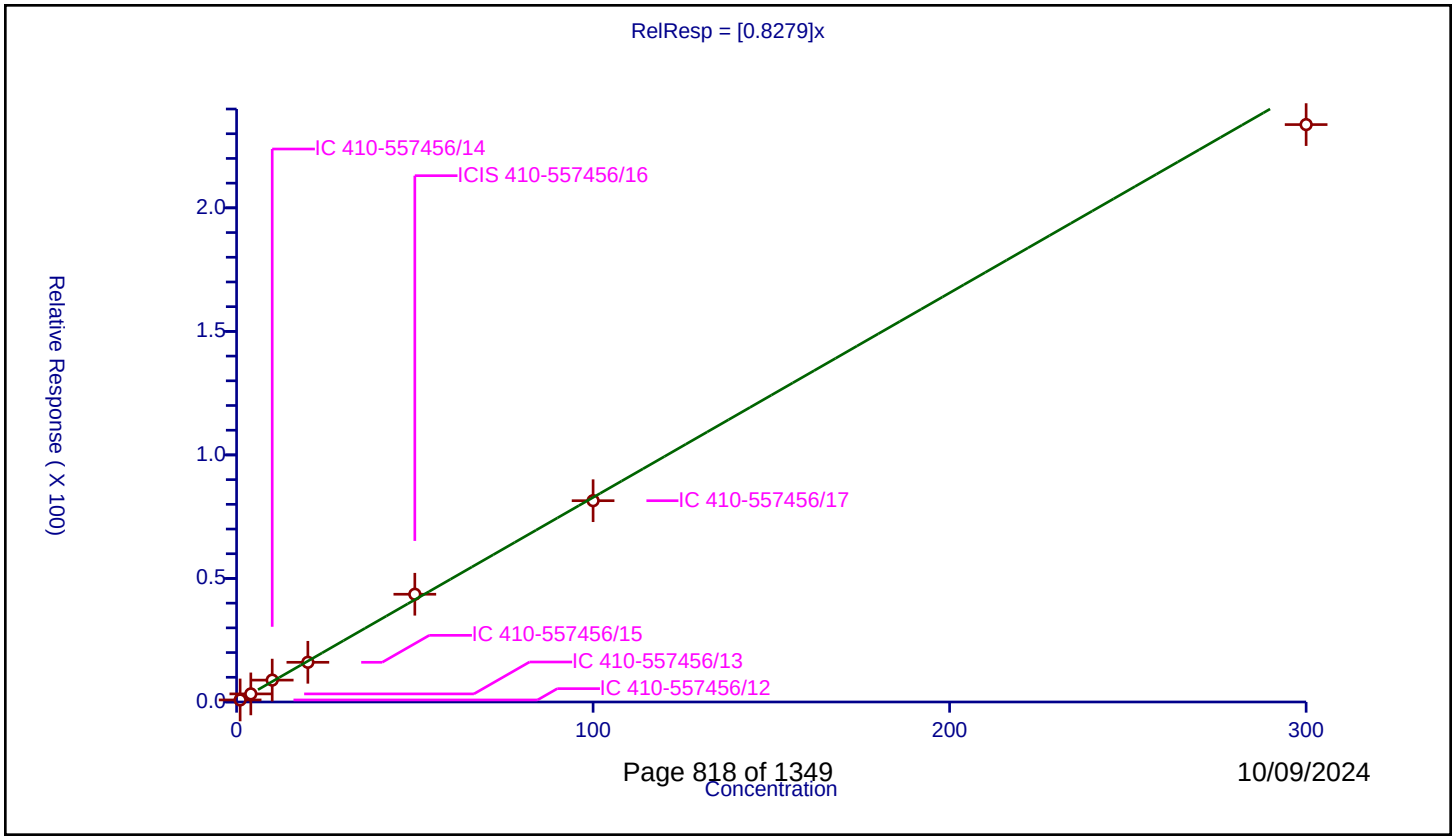
Curve Coefficients

Intercept:	0
Slope:	0.8279

Error Coefficients

Relative Standard Deviation:	4.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.0	0.821445	50.0	1022466.0	0.821445	Y
2	IC 410-557456/13	4.0	3.279313	50.0	998700.0	0.819828	Y
3	IC 410-557456/14	10.0	8.85203	50.0	1066744.0	0.885203	Y
4	IC 410-557456/15	20.0	16.060205	50.0	1064233.0	0.80301	Y
5	ICIS 410-557456/16	50.0	43.604203	50.0	1027456.0	0.872084	Y
6	IC 410-557456/17	100.0	81.474323	50.0	1065567.0	0.814743	Y
7	IC 410-557456/18	300.0	233.700558	50.0	1093292.0	0.779002	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

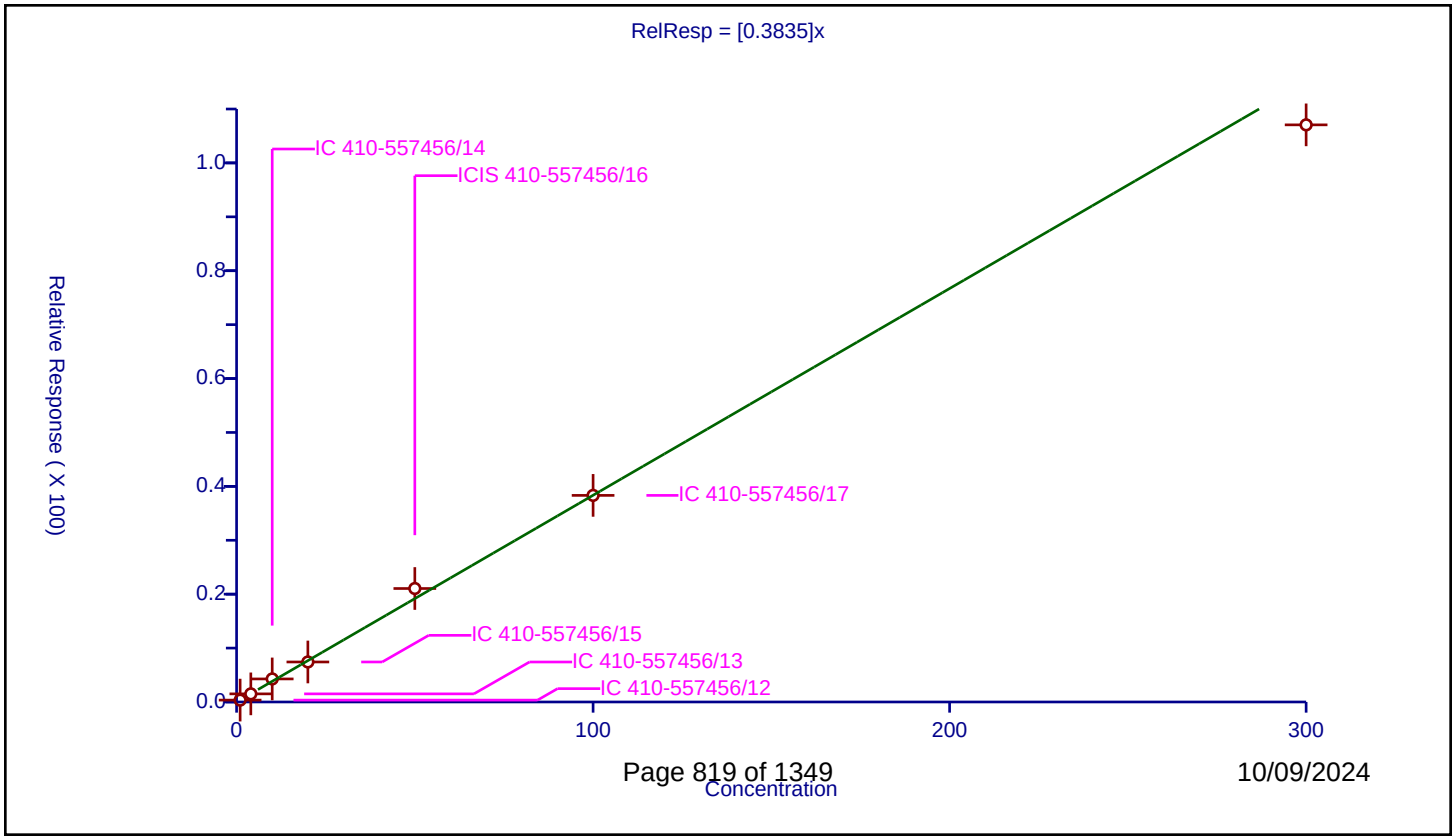
Curve Coefficients

Intercept:	0
Slope:	0.3835

Error Coefficients

Relative Standard Deviation:	7.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.0	0.347982	50.0	1022466.0	0.347982	Y
2	IC 410-557456/13	4.0	1.506559	50.0	998700.0	0.37664	Y
3	IC 410-557456/14	10.0	4.27783	50.0	1066744.0	0.427783	Y
4	IC 410-557456/15	20.0	7.422576	50.0	1064233.0	0.371129	Y
5	ICIS 410-557456/16	50.0	21.050488	50.0	1027456.0	0.42101	Y
6	IC 410-557456/17	100.0	38.323118	50.0	1065567.0	0.383231	Y
7	IC 410-557456/18	300.0	107.059779	50.0	1093292.0	0.356866	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

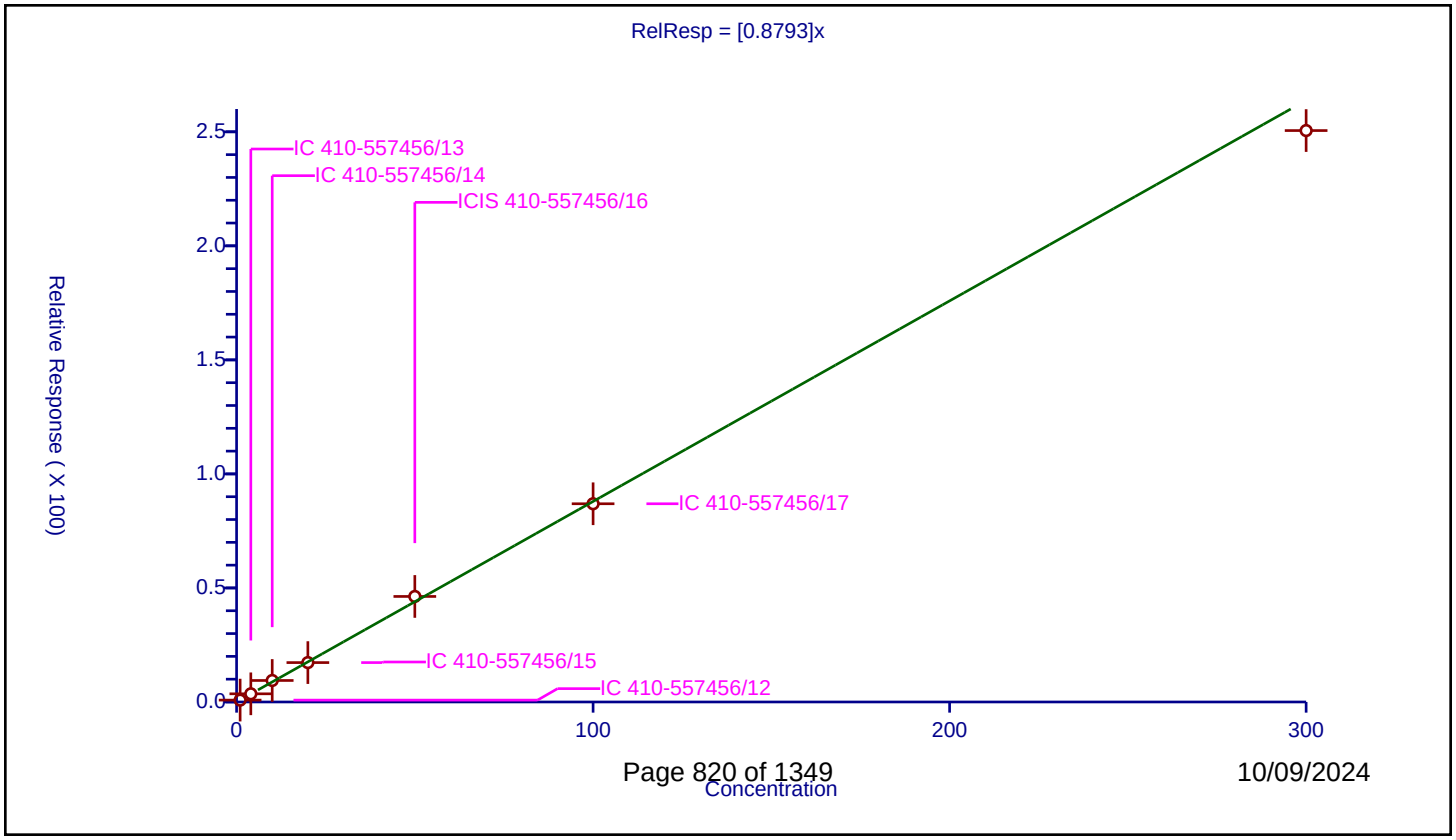
Curve Coefficients

Intercept:	0
Slope:	0.8793

Error Coefficients

Relative Standard Deviation:	5.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.0	0.821201	50.0	1022466.0	0.821201	Y
2	IC 410-557456/13	4.0	3.589266	50.0	998700.0	0.897317	Y
3	IC 410-557456/14	10.0	9.42902	50.0	1066744.0	0.942902	Y
4	IC 410-557456/15	20.0	17.280191	50.0	1064233.0	0.86401	Y
5	ICIS 410-557456/16	50.0	46.272638	50.0	1027456.0	0.925453	Y
6	IC 410-557456/17	100.0	86.920156	50.0	1065567.0	0.869202	Y
7	IC 410-557456/18	300.0	250.549076	50.0	1093292.0	0.835164	Y



Calibration / 2-Butanone (MEK)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

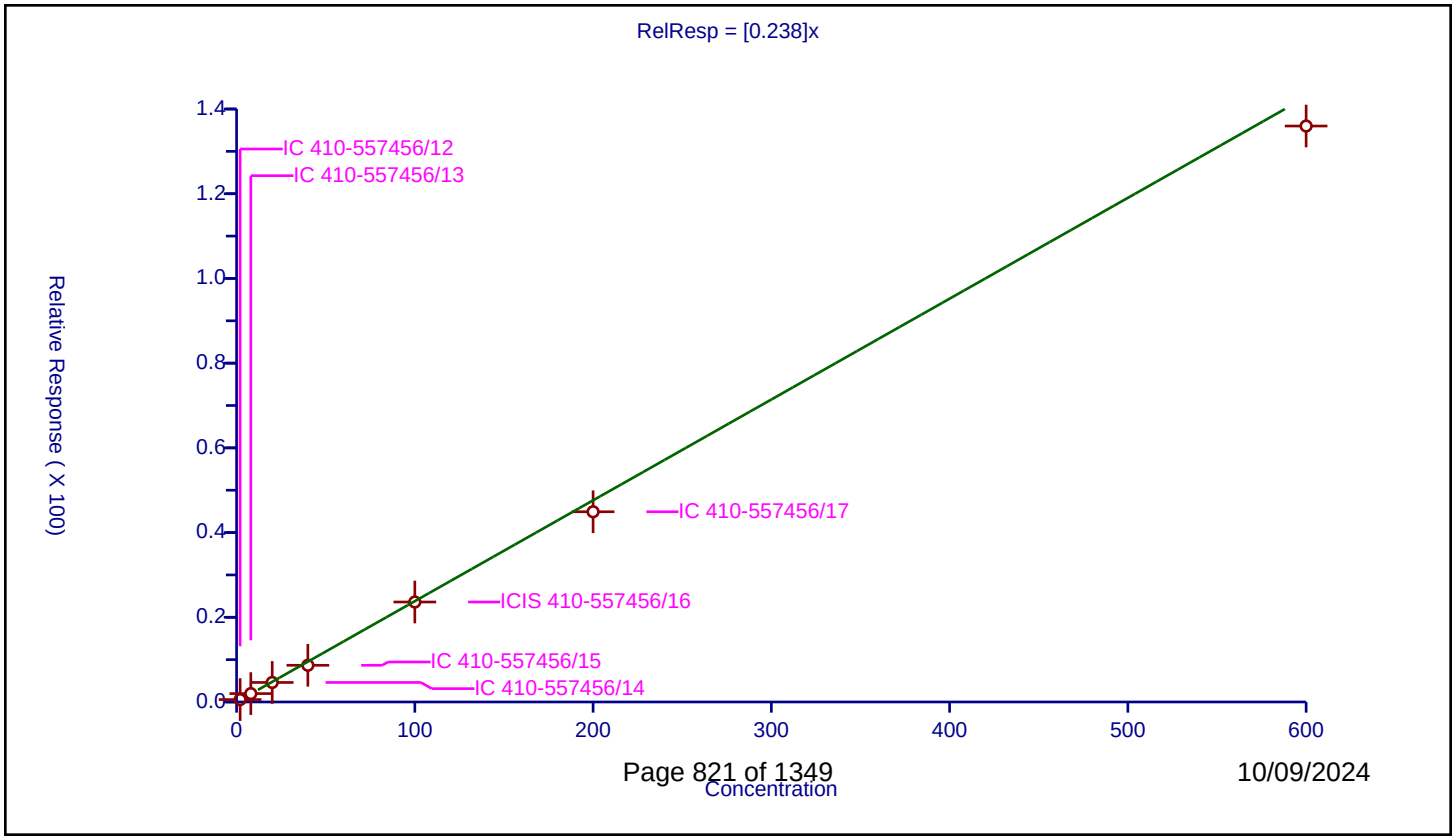
Curve Coefficients

Intercept:	0
Slope:	0.238

Error Coefficients

Relative Standard Deviation:	9.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	2.0	0.569065	50.0	1022466.0	0.284533	Y
2	IC 410-557456/13	8.0	1.979423	50.0	998700.0	0.247428	Y
3	IC 410-557456/14	20.0	4.609166	50.0	1066744.0	0.230458	Y
4	IC 410-557456/15	40.0	8.664691	50.0	1064233.0	0.216617	Y
5	ICIS 410-557456/16	100.0	23.607824	50.0	1027456.0	0.236078	Y
6	IC 410-557456/17	200.0	44.913647	50.0	1065567.0	0.224568	Y
7	IC 410-557456/18	600.0	135.984165	50.0	1093292.0	0.22664	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

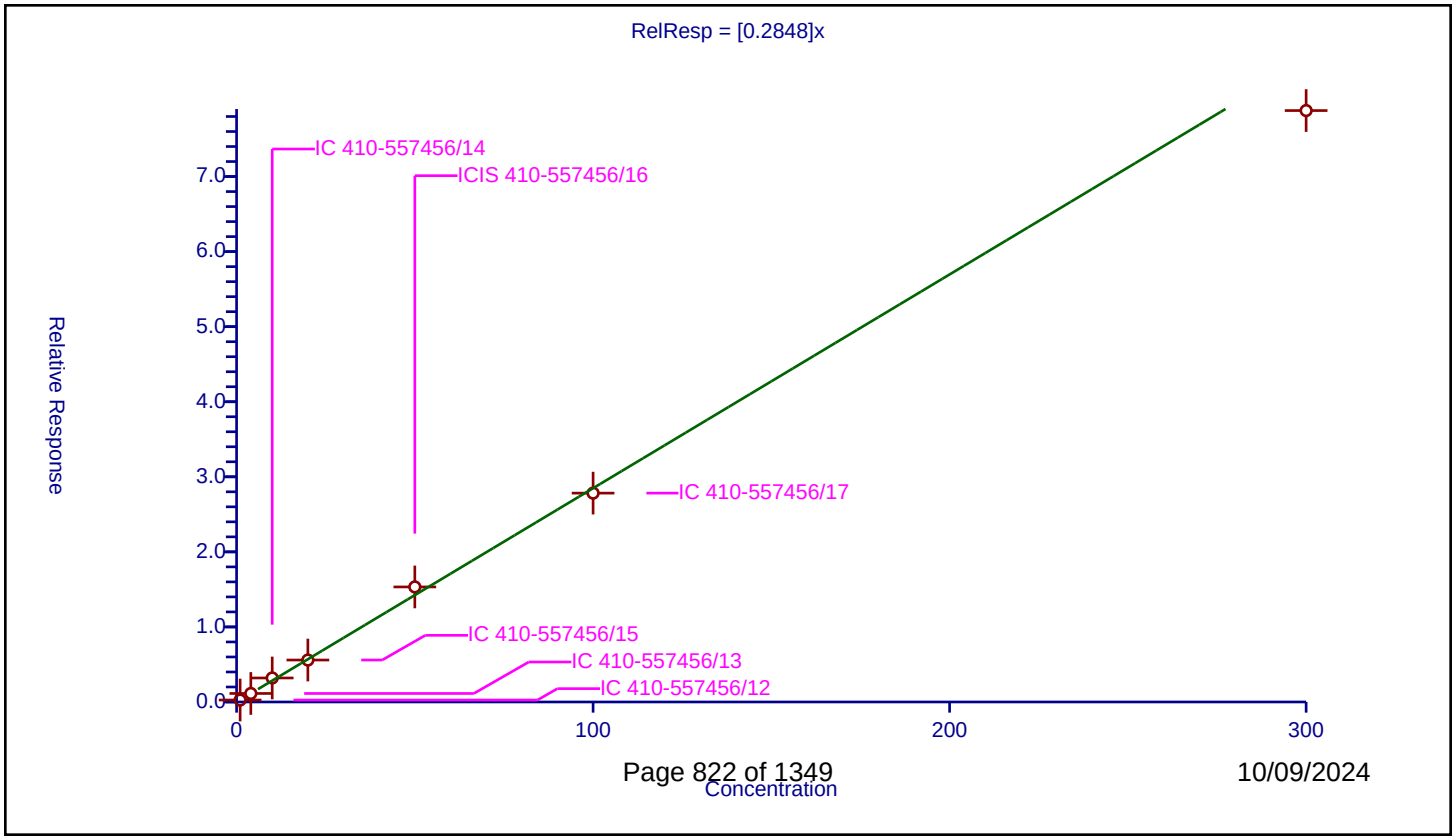
Curve Coefficients

Intercept:	0
Slope:	0.2848

Error Coefficients

Relative Standard Deviation:	7.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.0	0.262454	50.0	1022466.0	0.262454	Y
2	IC 410-557456/13	4.0	1.136828	50.0	998700.0	0.284207	Y
3	IC 410-557456/14	10.0	3.200627	50.0	1066744.0	0.320063	Y
4	IC 410-557456/15	20.0	5.588391	50.0	1064233.0	0.27942	Y
5	ICIS 410-557456/16	50.0	15.327128	50.0	1027456.0	0.306543	Y
6	IC 410-557456/17	100.0	27.826031	50.0	1065567.0	0.27826	Y
7	IC 410-557456/18	300.0	78.794961	50.0	1093292.0	0.26265	Y



Calibration / 2,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

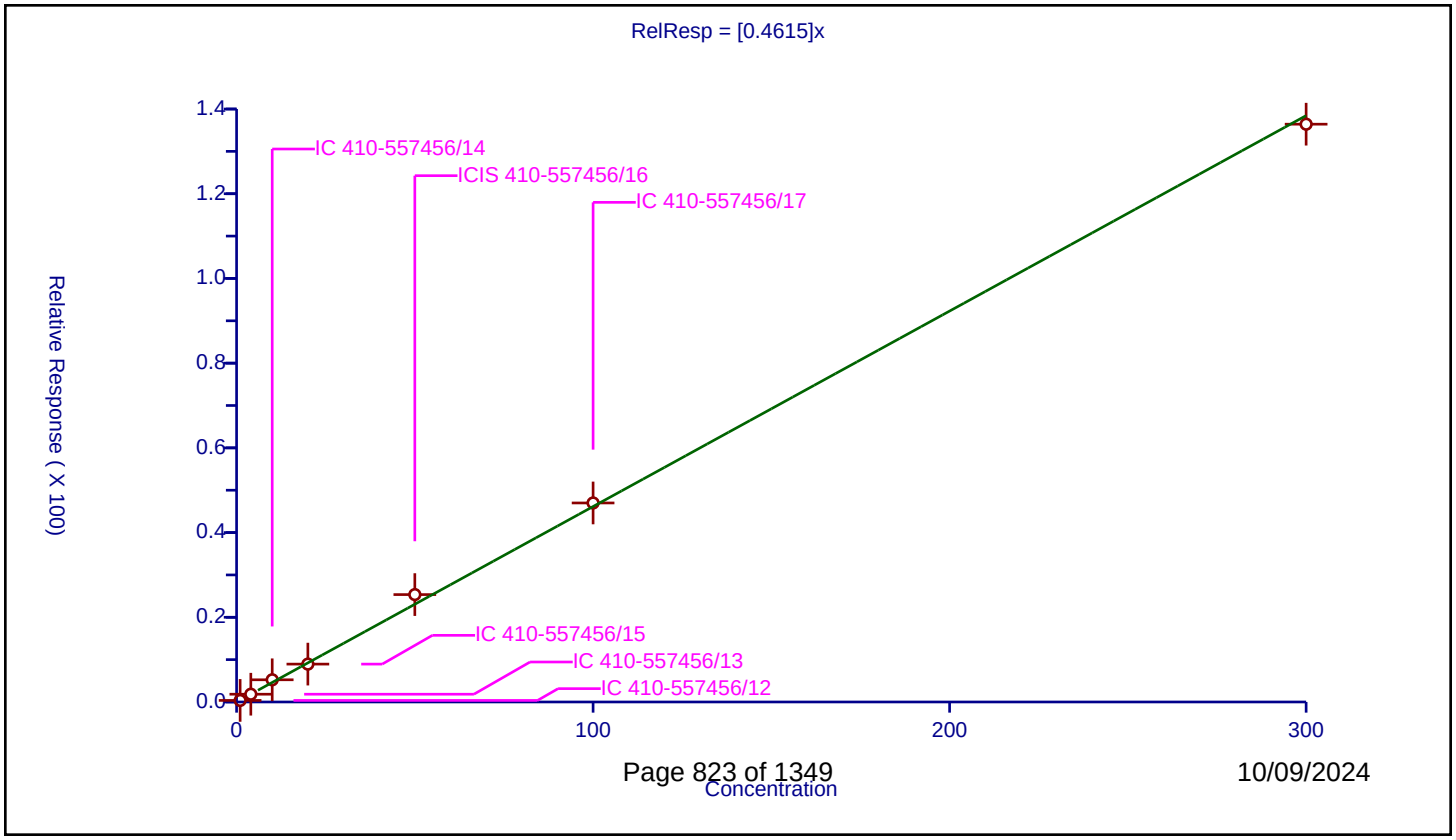
Curve Coefficients

Intercept:	0
Slope:	0.4615

Error Coefficients

Relative Standard Deviation:	10.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.0	0.367738	50.0	1022466.0	0.367738	Y
2	IC 410-557456/13	4.0	1.837689	50.0	998700.0	0.459422	Y
3	IC 410-557456/14	10.0	5.243245	50.0	1066744.0	0.524324	Y
4	IC 410-557456/15	20.0	8.942872	50.0	1064233.0	0.447144	Y
5	ICIS 410-557456/16	50.0	25.354906	50.0	1027456.0	0.507098	Y
6	IC 410-557456/17	100.0	46.991742	50.0	1065567.0	0.469917	Y
7	IC 410-557456/18	300.0	136.420142	50.0	1093292.0	0.454734	Y



Calibration / Propionitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

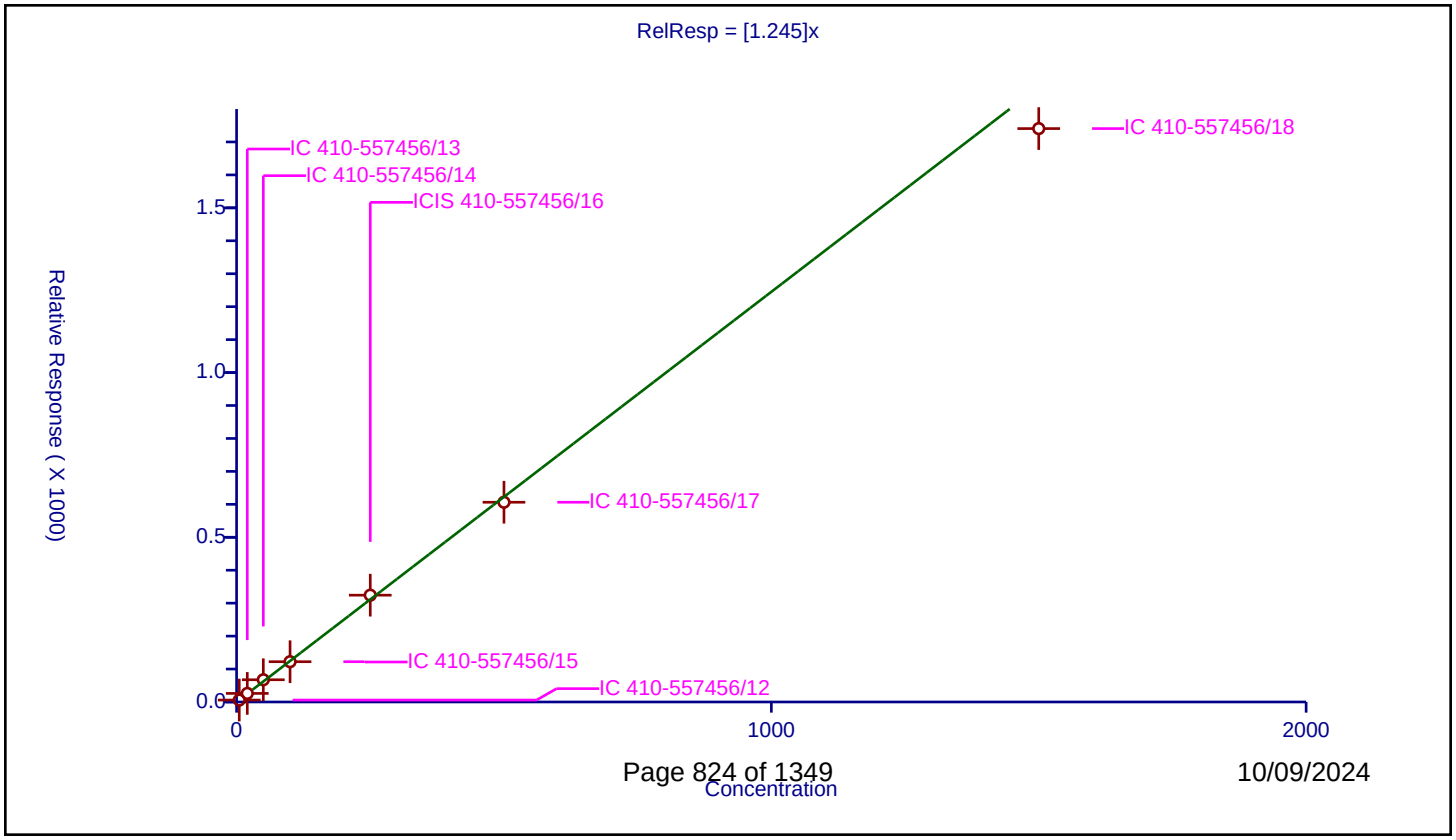
Curve Coefficients

Intercept:	0
Slope:	1.245

Error Coefficients

Relative Standard Deviation:	5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	5.0	5.84741	250.0	325657.0	1.169482	Y
2	IC 410-557456/13	20.0	26.062597	250.0	311548.0	1.30313	Y
3	IC 410-557456/14	50.0	67.4821	250.0	339390.0	1.349642	Y
4	IC 410-557456/15	100.0	122.288156	250.0	326761.0	1.222882	Y
5	ICIS 410-557456/16	250.0	324.270015	250.0	331685.0	1.29708	Y
6	IC 410-557456/17	500.0	606.37161	250.0	356519.0	1.212743	Y
7	IC 410-557456/18	1500.0	1740.607654	250.0	370754.0	1.160405	Y



Calibration / Methyl acrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

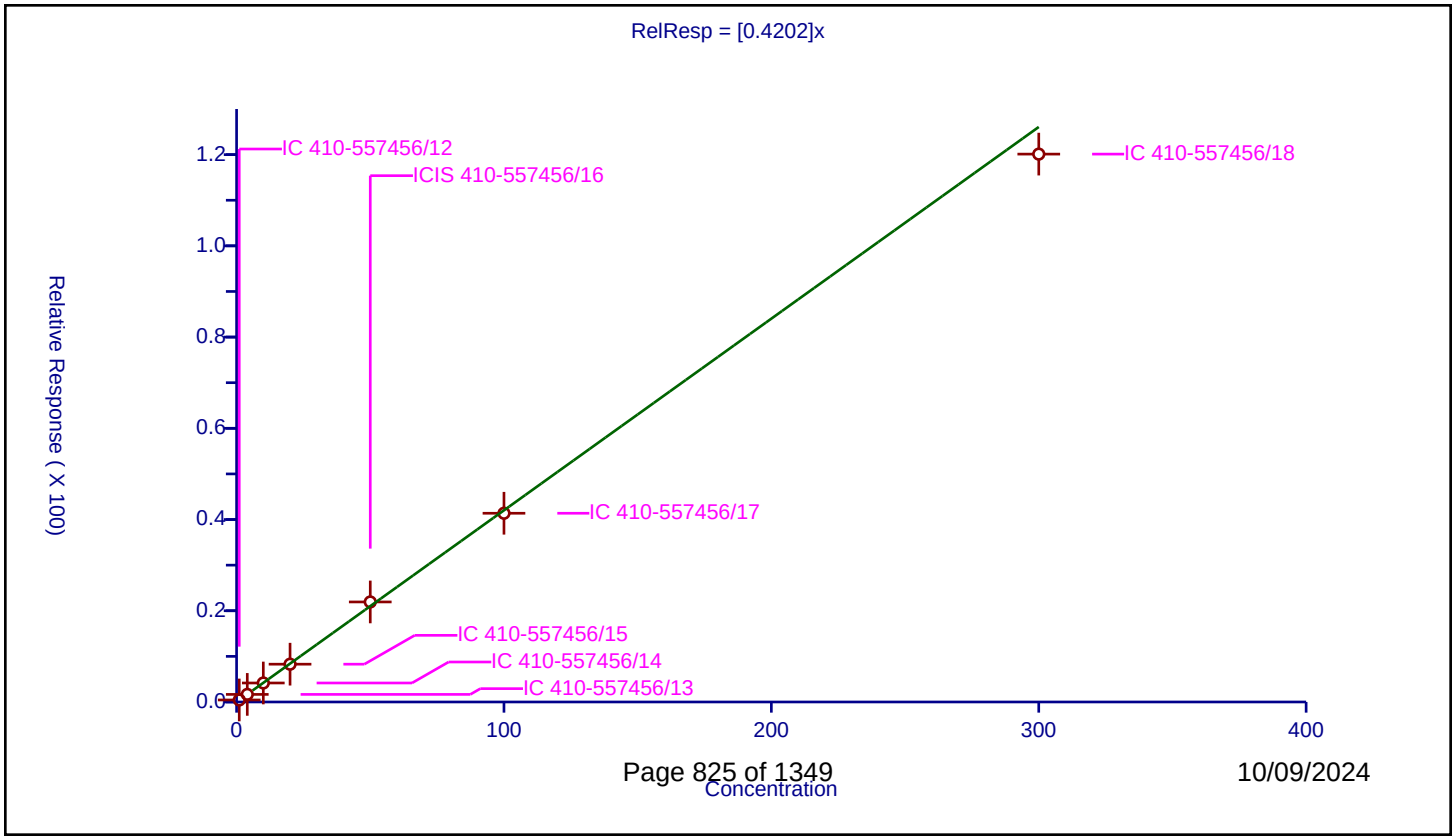
Curve Coefficients

Intercept:	0
Slope:	0.4202

Error Coefficients

Relative Standard Deviation:	3.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.000048	0.441775	50.0	1022466.0	0.441754	Y
2	IC 410-557456/13	4.000191	1.663863	50.0	998700.0	0.415946	Y
3	IC 410-557456/14	10.000478	4.166745	50.0	1066744.0	0.416655	Y
4	IC 410-557456/15	20.000956	8.286249	50.0	1064233.0	0.414293	Y
5	ICIS 410-557456/16	50.00239	21.929796	50.0	1027456.0	0.438575	Y
6	IC 410-557456/17	100.00478	41.378628	50.0	1065567.0	0.413766	Y
7	IC 410-557456/18	300.01434	120.114023	50.0	1093292.0	0.400361	Y



Calibration / Methacrylonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

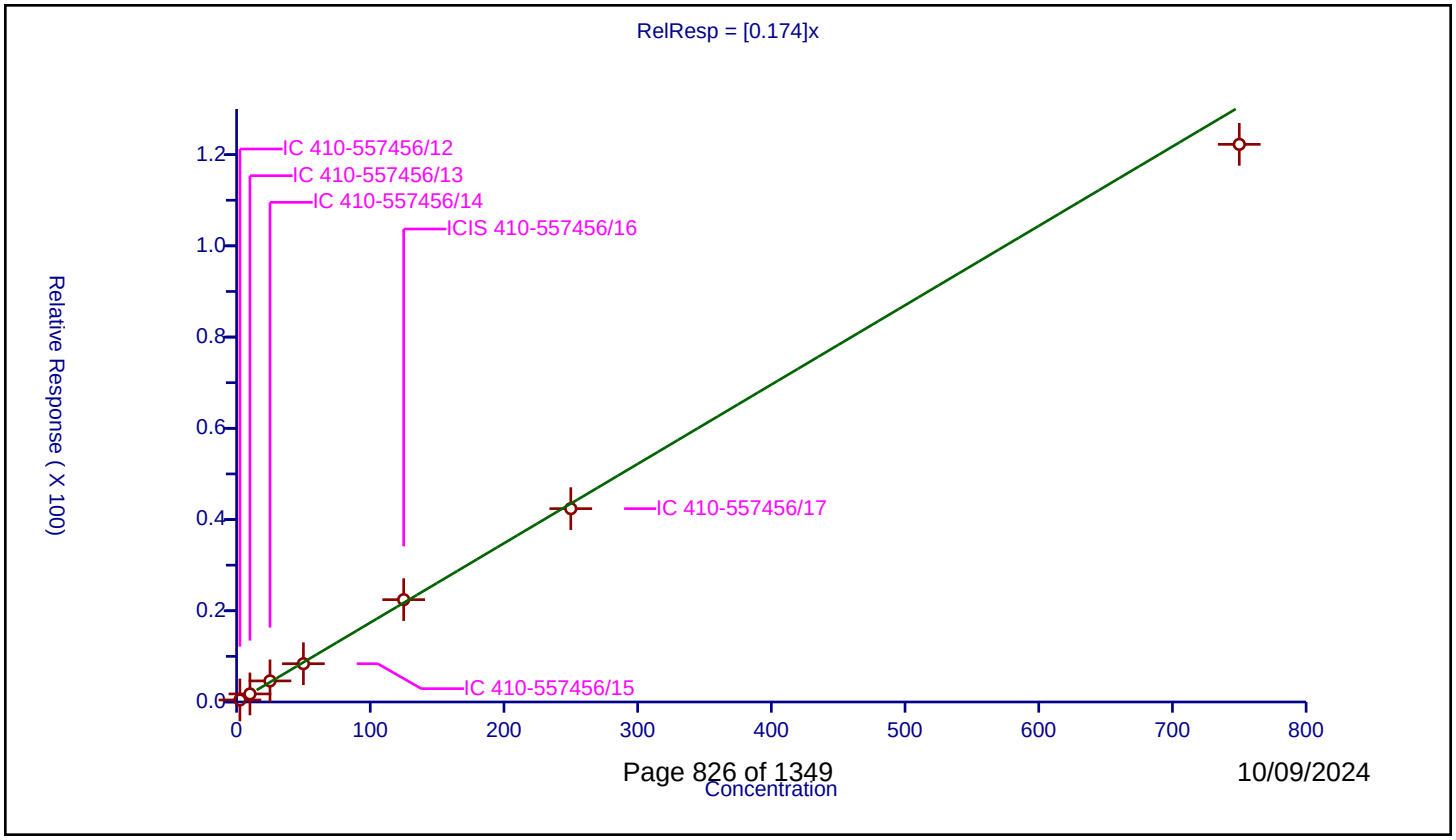
Curve Coefficients

Intercept:	0
Slope:	0.174

Error Coefficients

Relative Standard Deviation:	4.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	2.5	0.43977	50.0	1022466.0	0.175908	Y
2	IC 410-557456/13	10.0	1.770652	50.0	998700.0	0.177065	Y
3	IC 410-557456/14	25.0	4.620837	50.0	1066744.0	0.184833	Y
4	IC 410-557456/15	50.0	8.391255	50.0	1064233.0	0.167825	Y
5	ICIS 410-557456/16	125.0	22.435608	50.0	1027456.0	0.179485	Y
6	IC 410-557456/17	250.0	42.387715	50.0	1065567.0	0.169551	Y
7	IC 410-557456/18	750.0	122.251009	50.0	1093292.0	0.163001	Y



Calibration / Chlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

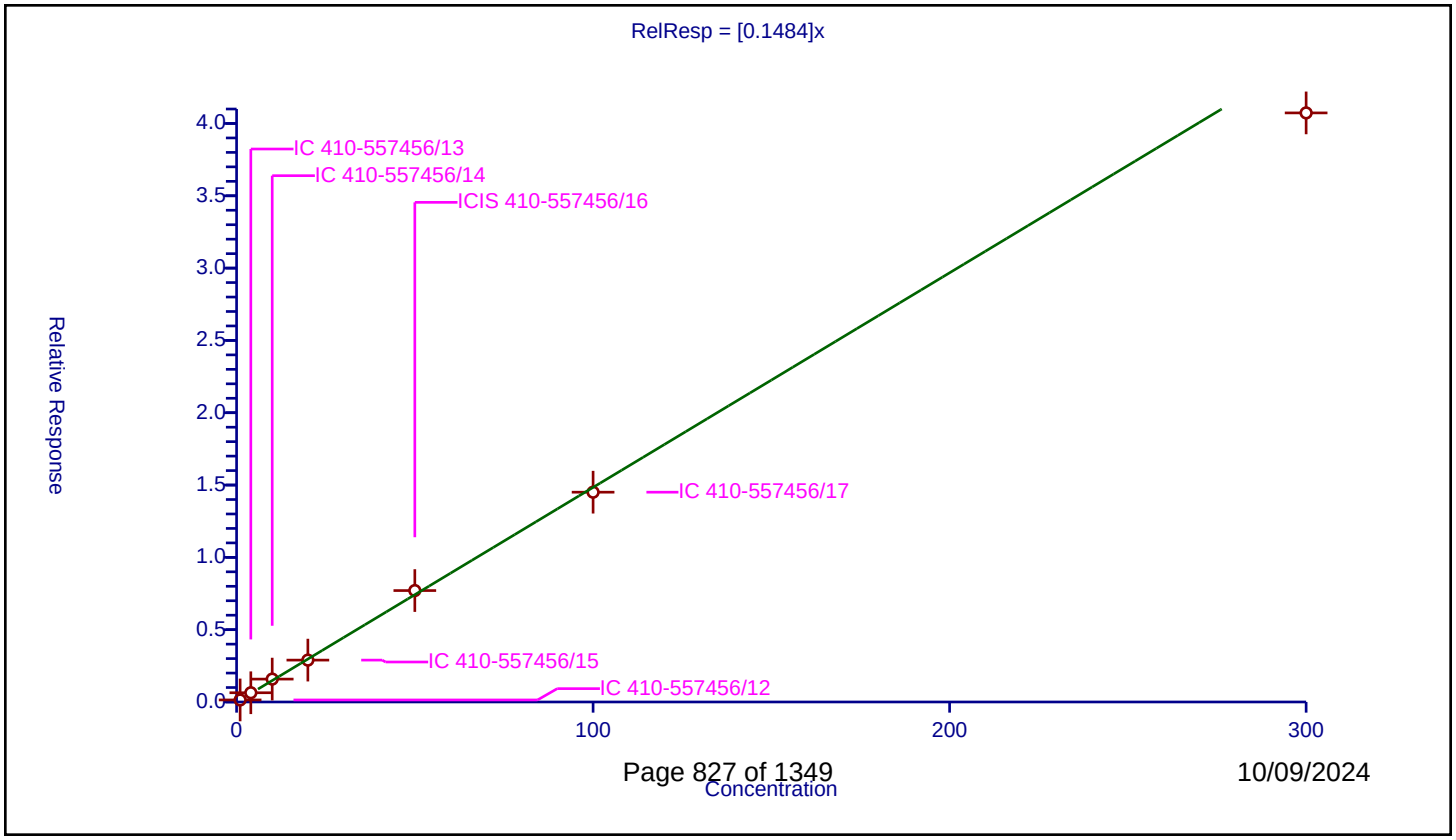
Curve Coefficients

Intercept:	0
Slope:	0.1484

Error Coefficients

Relative Standard Deviation:	6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.0	0.141032	50.0	1022466.0	0.141032	Y
2	IC 410-557456/13	4.0	0.63853	50.0	998700.0	0.159633	Y
3	IC 410-557456/14	10.0	1.583088	50.0	1066744.0	0.158309	Y
4	IC 410-557456/15	20.0	2.894996	50.0	1064233.0	0.14475	Y
5	ICIS 410-557456/16	50.0	7.703688	50.0	1027456.0	0.154074	Y
6	IC 410-557456/17	100.0	14.505939	50.0	1065567.0	0.145059	Y
7	IC 410-557456/18	300.0	40.730884	50.0	1093292.0	0.13577	Y



Calibration / Tetrahydrofuran

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

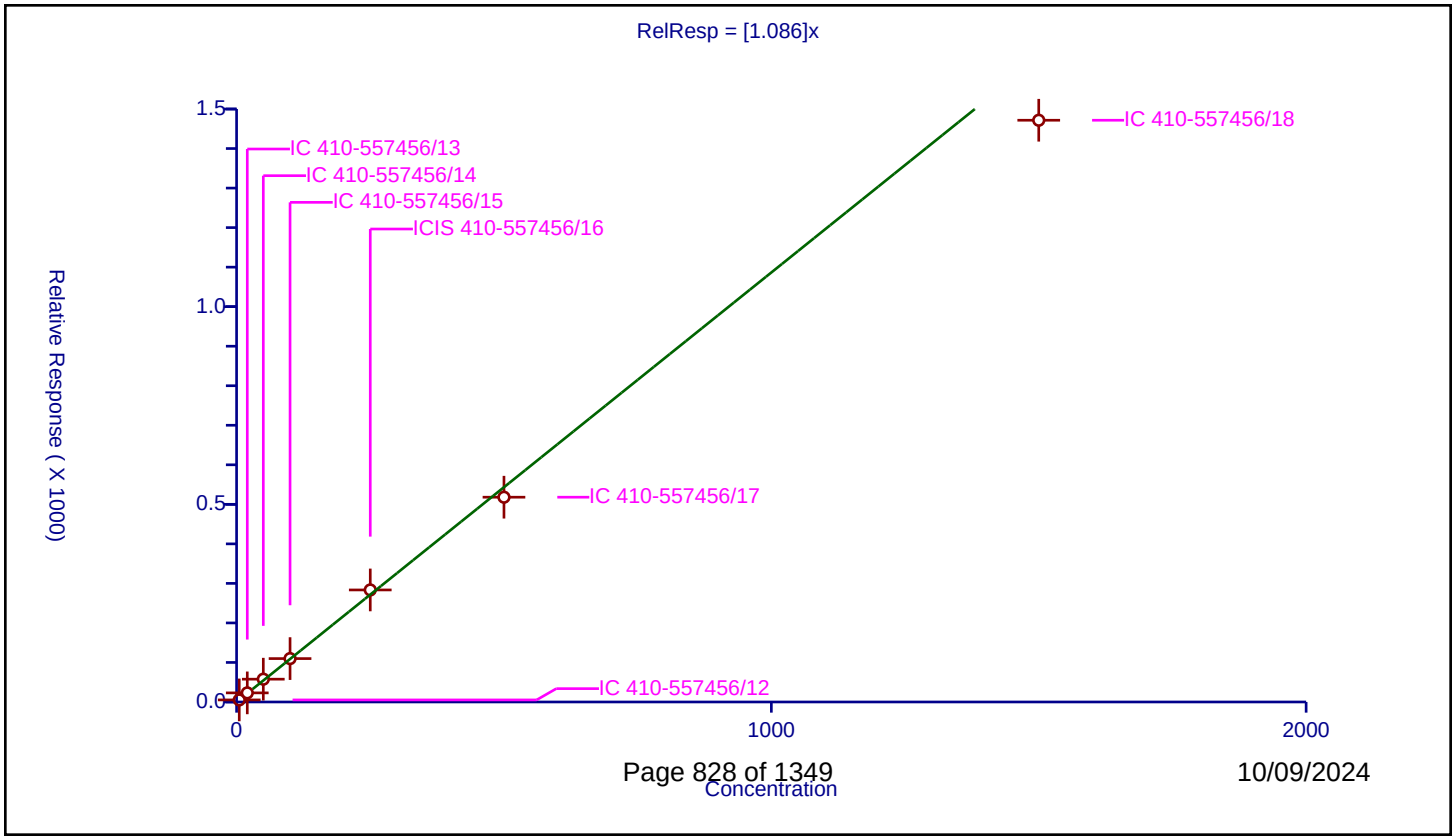
Curve Coefficients

Intercept:	0
Slope:	1.086

Error Coefficients

Relative Standard Deviation:	6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	5.0	5.249388	250.0	325657.0	1.049878	Y
2	IC 410-557456/13	20.0	23.055837	250.0	311548.0	1.152792	Y
3	IC 410-557456/14	50.0	57.684375	250.0	339390.0	1.153687	Y
4	IC 410-557456/15	100.0	109.816502	250.0	326761.0	1.098165	Y
5	ICIS 410-557456/16	250.0	283.451166	250.0	331685.0	1.133805	Y
6	IC 410-557456/17	500.0	518.031998	250.0	356519.0	1.036064	Y
7	IC 410-557456/18	1500.0	1471.569423	250.0	370754.0	0.981046	Y



Calibration / Chloroform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

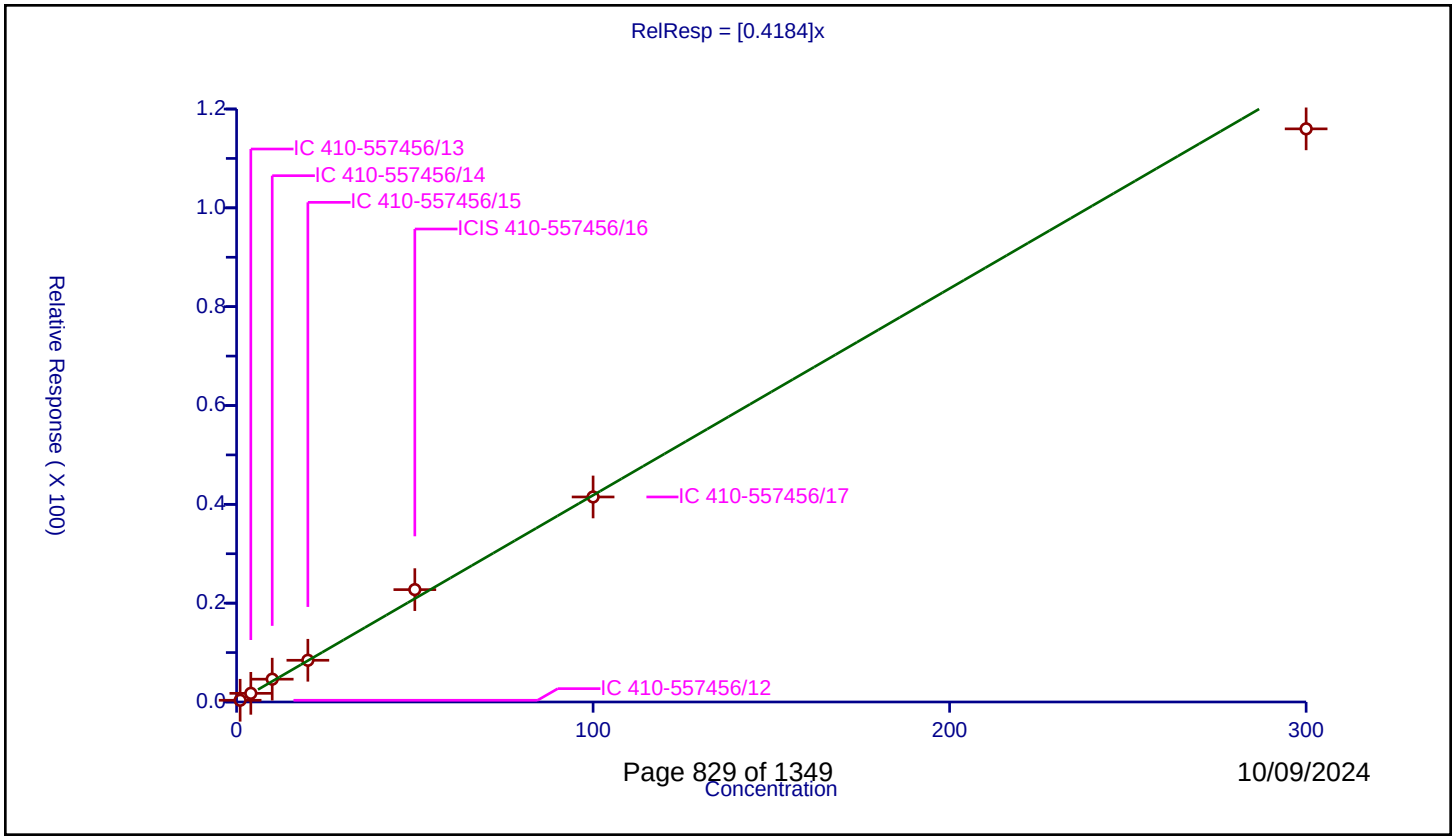
Curve Coefficients

Intercept:	0
Slope:	0.4184

Error Coefficients

Relative Standard Deviation:	9.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.0	0.350574	50.0	1022466.0	0.350574	Y
2	IC 410-557456/13	4.0	1.751627	50.0	998700.0	0.437907	Y
3	IC 410-557456/14	10.0	4.616993	50.0	1066744.0	0.461699	Y
4	IC 410-557456/15	20.0	8.443311	50.0	1064233.0	0.422166	Y
5	ICIS 410-557456/16	50.0	22.739709	50.0	1027456.0	0.454794	Y
6	IC 410-557456/17	100.0	41.490024	50.0	1065567.0	0.4149	Y
7	IC 410-557456/18	300.0	115.985528	50.0	1093292.0	0.386618	Y



Calibration / Dibromofluoromethane (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

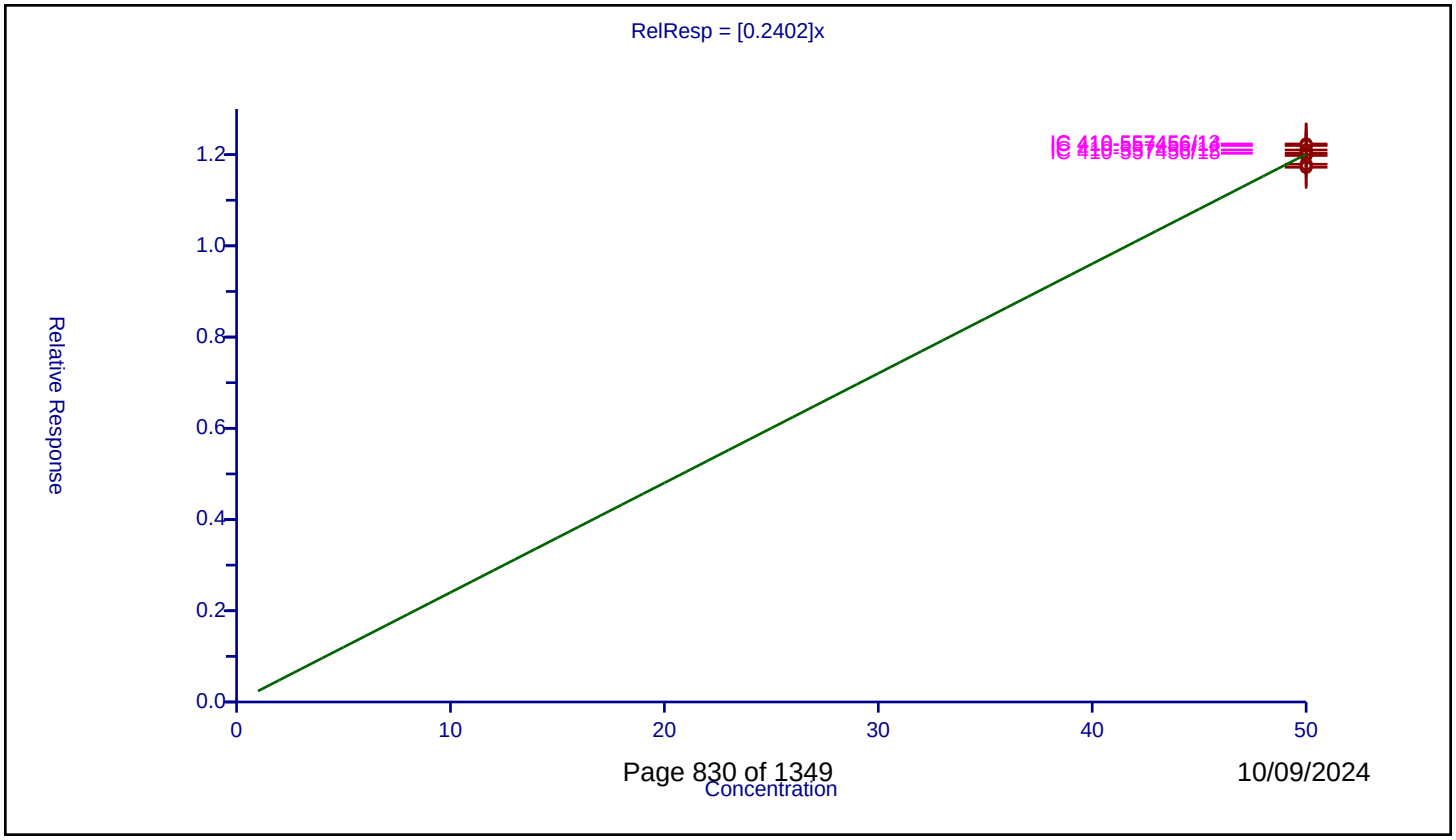
Curve Coefficients

Intercept:	0
Slope:	0.2402

Error Coefficients

Relative Standard Deviation:	1.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	50.0	12.101674	50.0	1022466.0	0.242033	Y
2	IC 410-557456/13	50.0	12.233604	50.0	998700.0	0.244672	Y
3	IC 410-557456/14	50.0	12.199975	50.0	1066744.0	0.243999	Y
4	IC 410-557456/15	50.0	12.02871	50.0	1064233.0	0.240574	Y
5	ICIS 410-557456/16	50.0	11.980951	50.0	1027456.0	0.239619	Y
6	IC 410-557456/17	50.0	11.789263	50.0	1065567.0	0.235785	Y
7	IC 410-557456/18	50.0	11.722532	50.0	1093292.0	0.234451	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

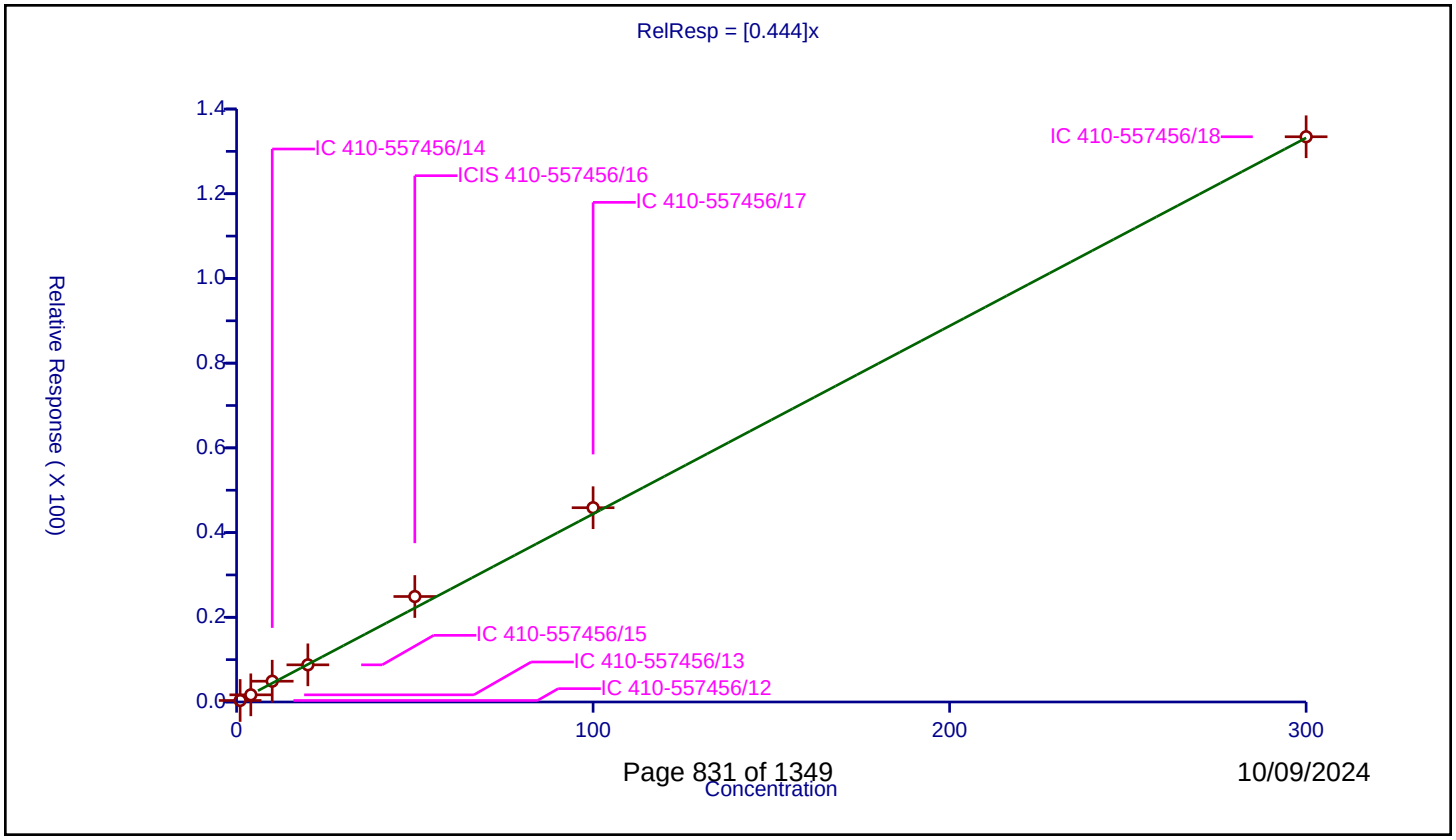
Curve Coefficients

Intercept:	0
Slope:	0.444

Error Coefficients

Relative Standard Deviation:	10.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.0	0.353704	50.0	1022466.0	0.353704	Y
2	IC 410-557456/13	4.0	1.691799	50.0	998700.0	0.42295	Y
3	IC 410-557456/14	10.0	4.906988	50.0	1066744.0	0.490699	Y
4	IC 410-557456/15	20.0	8.774159	50.0	1064233.0	0.438708	Y
5	ICIS 410-557456/16	50.0	24.905446	50.0	1027456.0	0.498109	Y
6	IC 410-557456/17	100.0	45.867224	50.0	1065567.0	0.458672	Y
7	IC 410-557456/18	300.0	133.451539	50.0	1093292.0	0.444838	Y



Calibration / Cyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

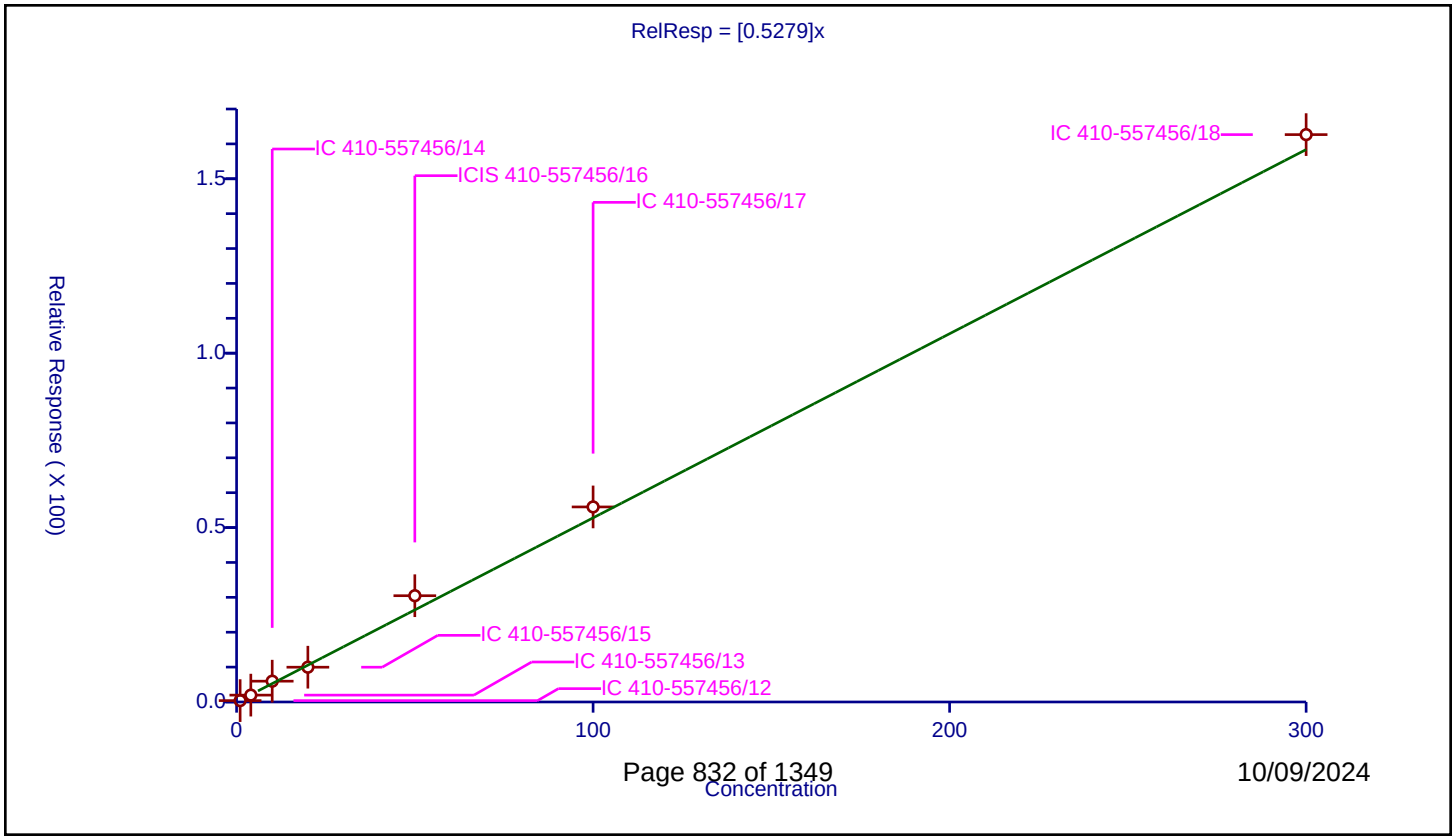
Curve Coefficients

Intercept:	0
Slope:	0.5279

Error Coefficients

Relative Standard Deviation:	13.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.0	0.395906	50.0	1022466.0	0.395906	Y
2	IC 410-557456/13	4.0	1.971263	50.0	998700.0	0.492816	Y
3	IC 410-557456/14	10.0	5.970458	50.0	1066744.0	0.597046	Y
4	IC 410-557456/15	20.0	9.974507	50.0	1064233.0	0.498725	Y
5	ICIS 410-557456/16	50.0	30.47167	50.0	1027456.0	0.609433	Y
6	IC 410-557456/17	100.0	55.921636	50.0	1065567.0	0.559216	Y
7	IC 410-557456/18	300.0	162.660662	50.0	1093292.0	0.542202	Y



Calibration / Carbon tetrachloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

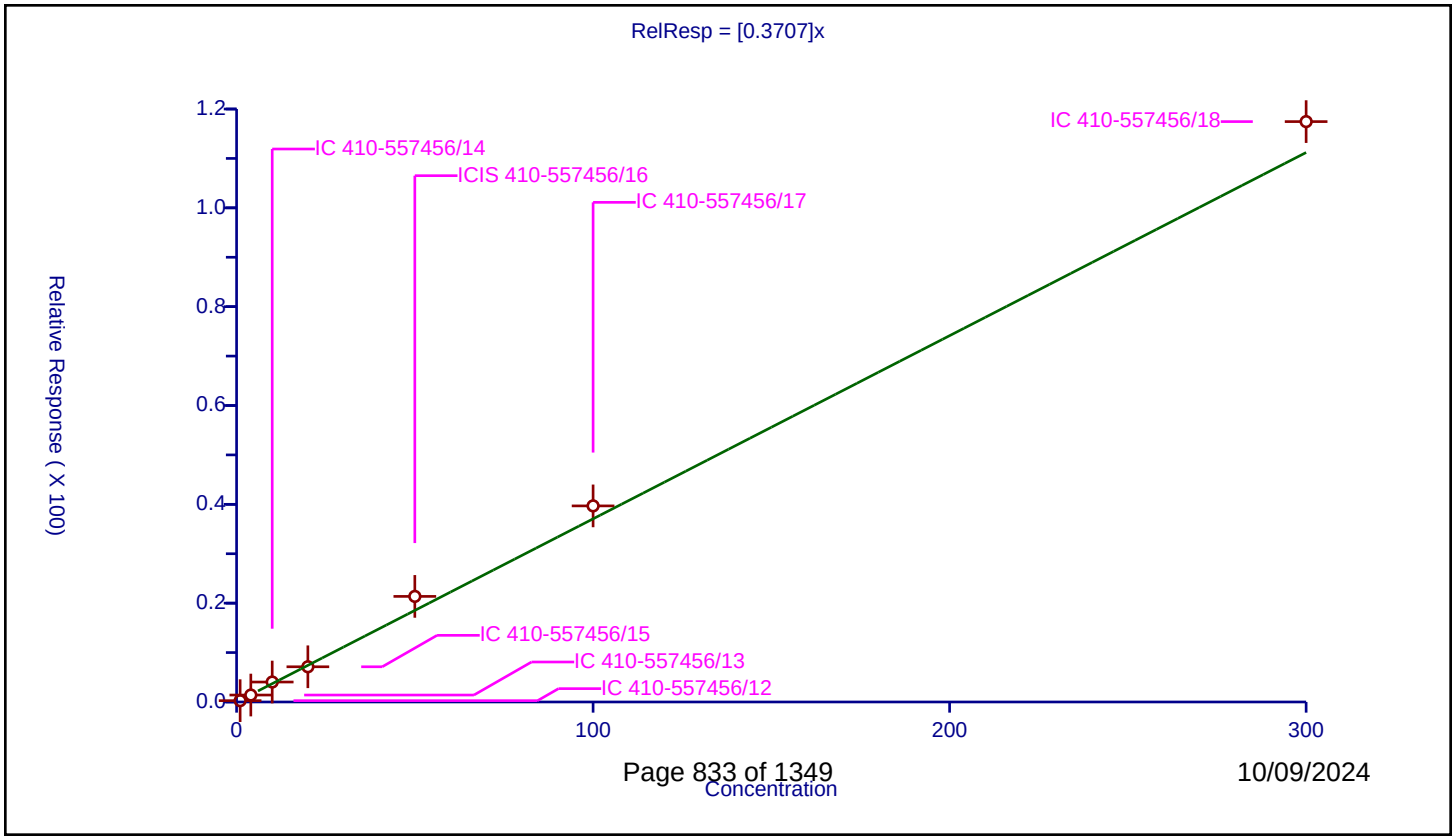
Curve Coefficients

Intercept:	0
Slope:	0.3707

Error Coefficients

Relative Standard Deviation:	14.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.0	0.267295	50.0	1022466.0	0.267295	Y
2	IC 410-557456/13	4.0	1.406028	50.0	998700.0	0.351507	Y
3	IC 410-557456/14	10.0	4.038598	50.0	1066744.0	0.40386	Y
4	IC 410-557456/15	20.0	7.123863	50.0	1064233.0	0.356193	Y
5	ICIS 410-557456/16	50.0	21.368312	50.0	1027456.0	0.427366	Y
6	IC 410-557456/17	100.0	39.684037	50.0	1065567.0	0.39684	Y
7	IC 410-557456/18	300.0	117.455309	50.0	1093292.0	0.391518	Y



Calibration / 1,1-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

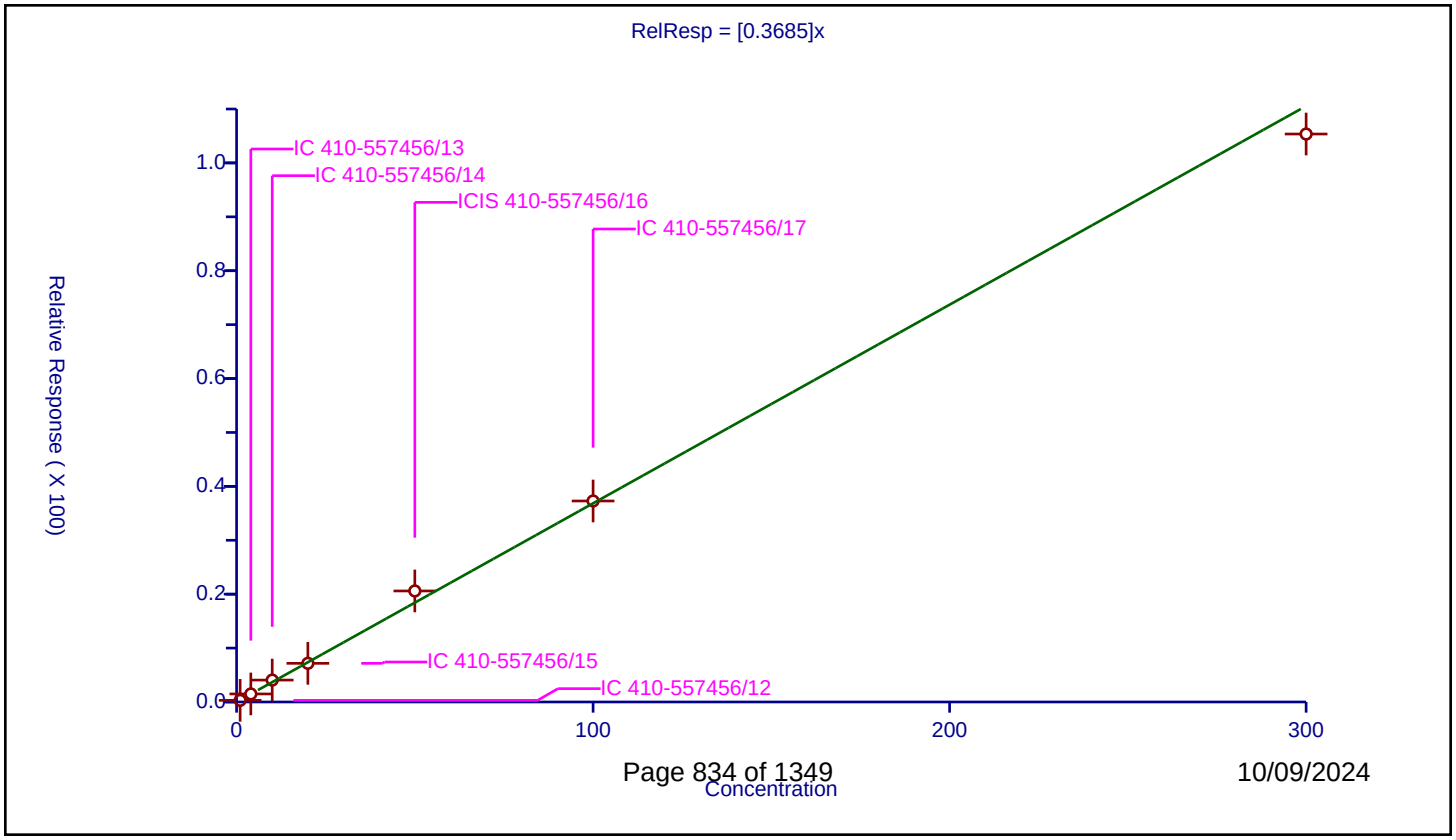
Curve Coefficients

Intercept:	0
Slope:	0.3685

Error Coefficients

Relative Standard Deviation:	9.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.0	0.305878	50.0	1022466.0	0.305878	Y
2	IC 410-557456/13	4.0	1.490388	50.0	998700.0	0.372597	Y
3	IC 410-557456/14	10.0	4.06508	50.0	1066744.0	0.406508	Y
4	IC 410-557456/15	20.0	7.172255	50.0	1064233.0	0.358613	Y
5	ICIS 410-557456/16	50.0	20.593729	50.0	1027456.0	0.411875	Y
6	IC 410-557456/17	100.0	37.286909	50.0	1065567.0	0.372869	Y
7	IC 410-557456/18	300.0	105.359639	50.0	1093292.0	0.351199	Y



Calibration / Isobutyl alcohol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

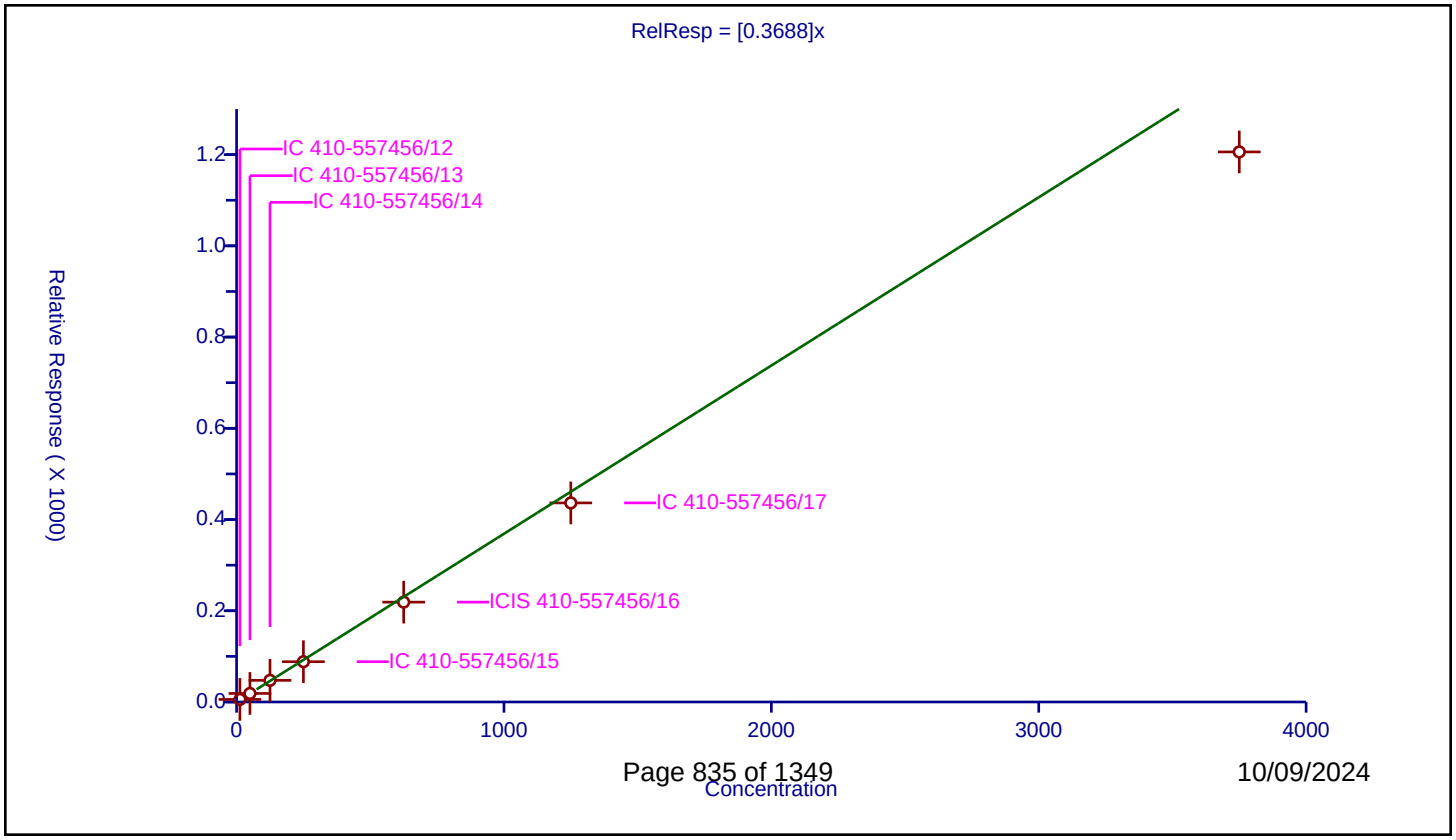
Curve Coefficients

Intercept:	0
Slope:	0.3688

Error Coefficients

Relative Standard Deviation:	11.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	12.5	5.667005	250.0	325657.0	0.45336	Y
2	IC 410-557456/13	50.0	18.718624	250.0	311548.0	0.374372	Y
3	IC 410-557456/14	125.0	47.450573	250.0	339390.0	0.379605	Y
4	IC 410-557456/15	250.0	88.326789	250.0	326761.0	0.353307	Y
5	ICIS 410-557456/16	625.0	218.941164	250.0	331685.0	0.350306	Y
6	IC 410-557456/17	1250.0	436.445182	250.0	356519.0	0.349156	Y
7	IC 410-557456/18	3750.0	1205.945182	250.0	370754.0	0.321585	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

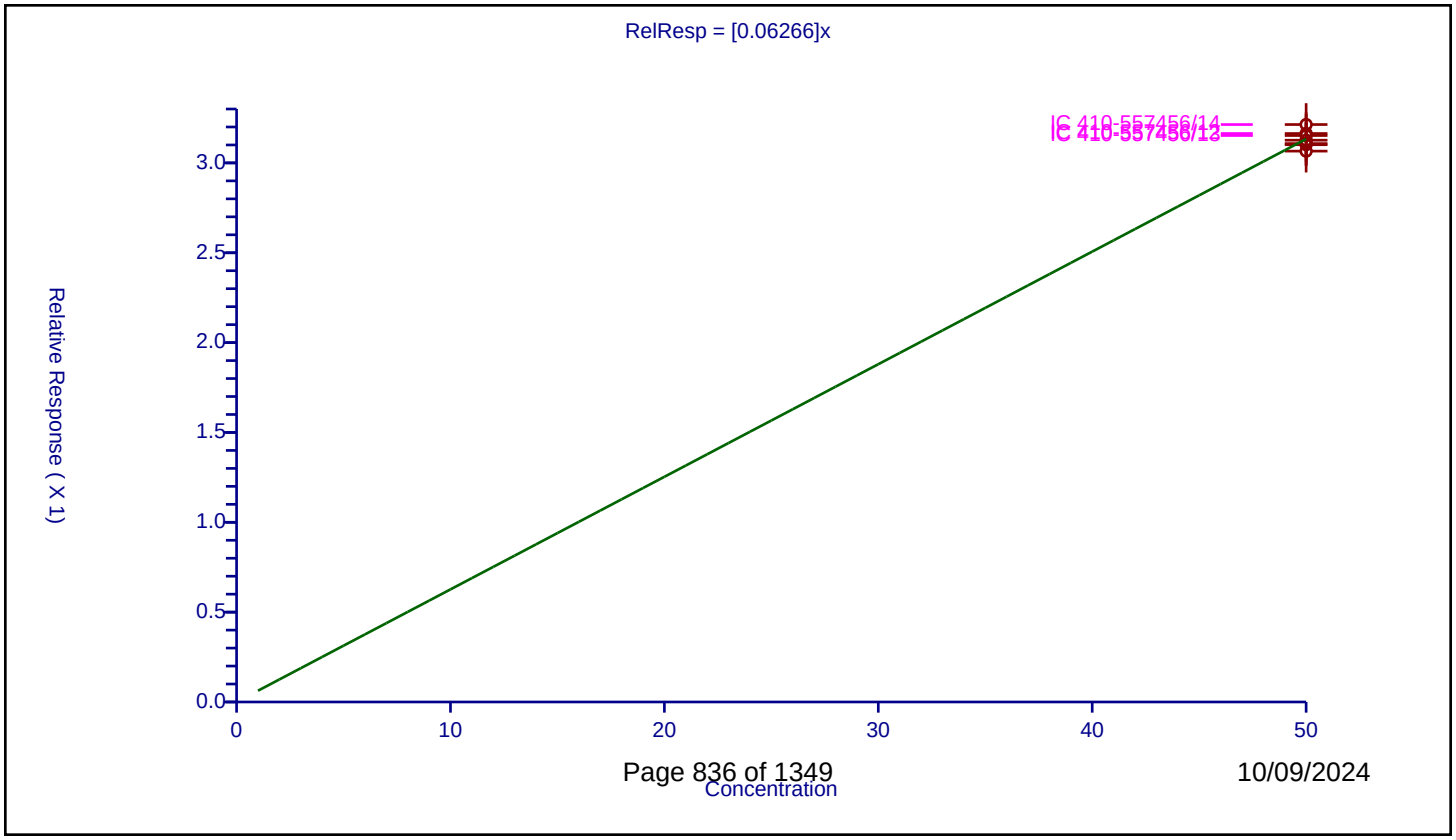
Curve Coefficients

Intercept:	0
Slope:	0.06266

Error Coefficients

Relative Standard Deviation:	1.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	50.0	3.163577	50.0	1022466.0	0.063272	Y
2	IC 410-557456/13	50.0	3.152498	50.0	998700.0	0.06305	Y
3	IC 410-557456/14	50.0	3.213564	50.0	1066744.0	0.064271	Y
4	IC 410-557456/15	50.0	3.065635	50.0	1064233.0	0.061313	Y
5	ICIS 410-557456/16	50.0	3.101301	50.0	1027456.0	0.062026	Y
6	IC 410-557456/17	50.0	3.107688	50.0	1065567.0	0.062154	Y
7	IC 410-557456/18	50.0	3.126521	50.0	1093292.0	0.06253	Y



Calibration / Benzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

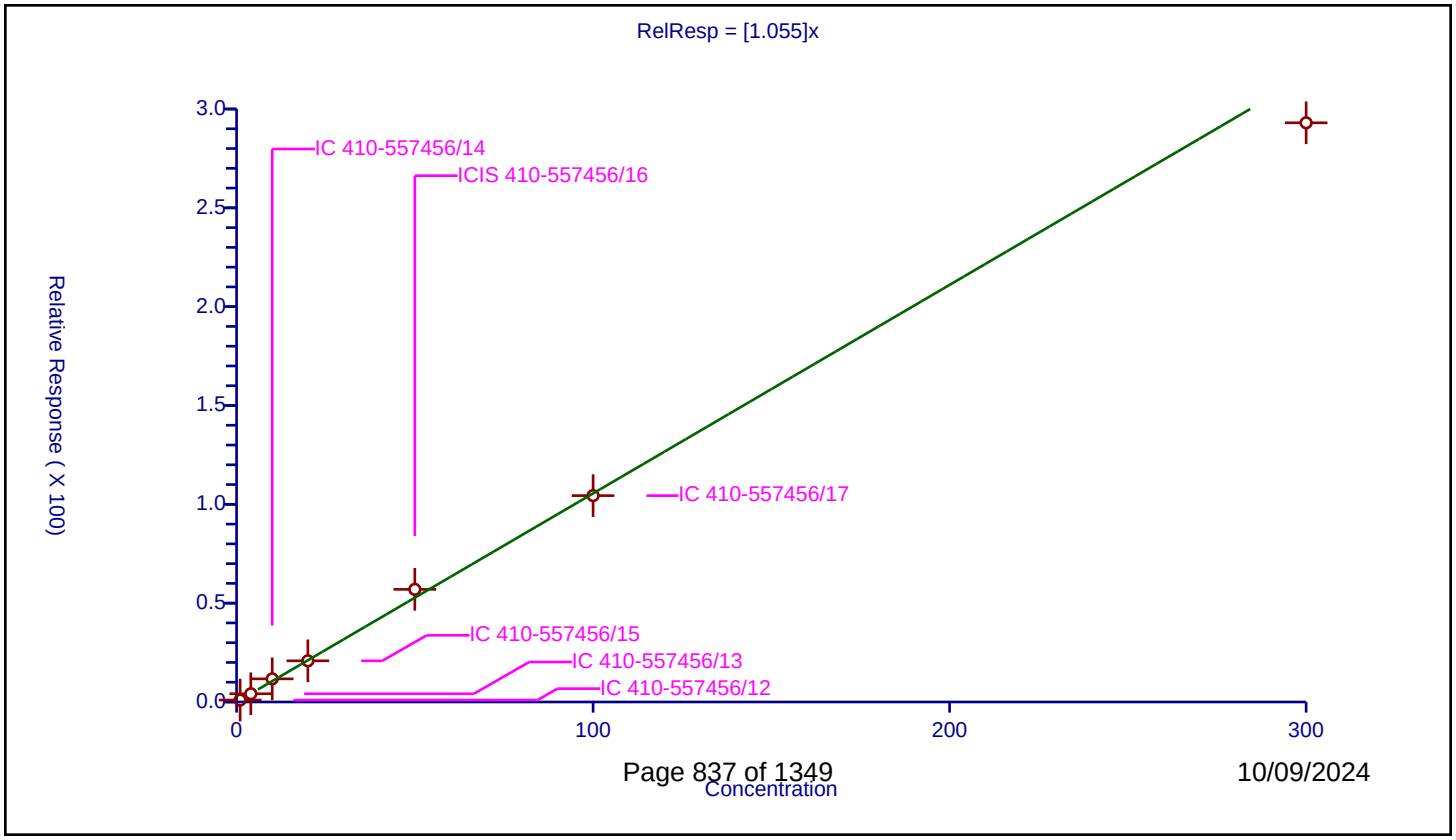
Curve Coefficients

Intercept:	0
Slope:	1.055

Error Coefficients

Relative Standard Deviation:	7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.0	0.973627	50.0	1022466.0	0.973627	Y
2	IC 410-557456/13	4.0	4.164364	50.0	998700.0	1.041091	Y
3	IC 410-557456/14	10.0	11.698261	50.0	1066744.0	1.169826	Y
4	IC 410-557456/15	20.0	20.820394	50.0	1064233.0	1.04102	Y
5	ICIS 410-557456/16	50.0	56.978304	50.0	1027456.0	1.139566	Y
6	IC 410-557456/17	100.0	104.396767	50.0	1065567.0	1.043968	Y
7	IC 410-557456/18	300.0	293.024416	50.0	1093292.0	0.976748	Y



Calibration / 1,2-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

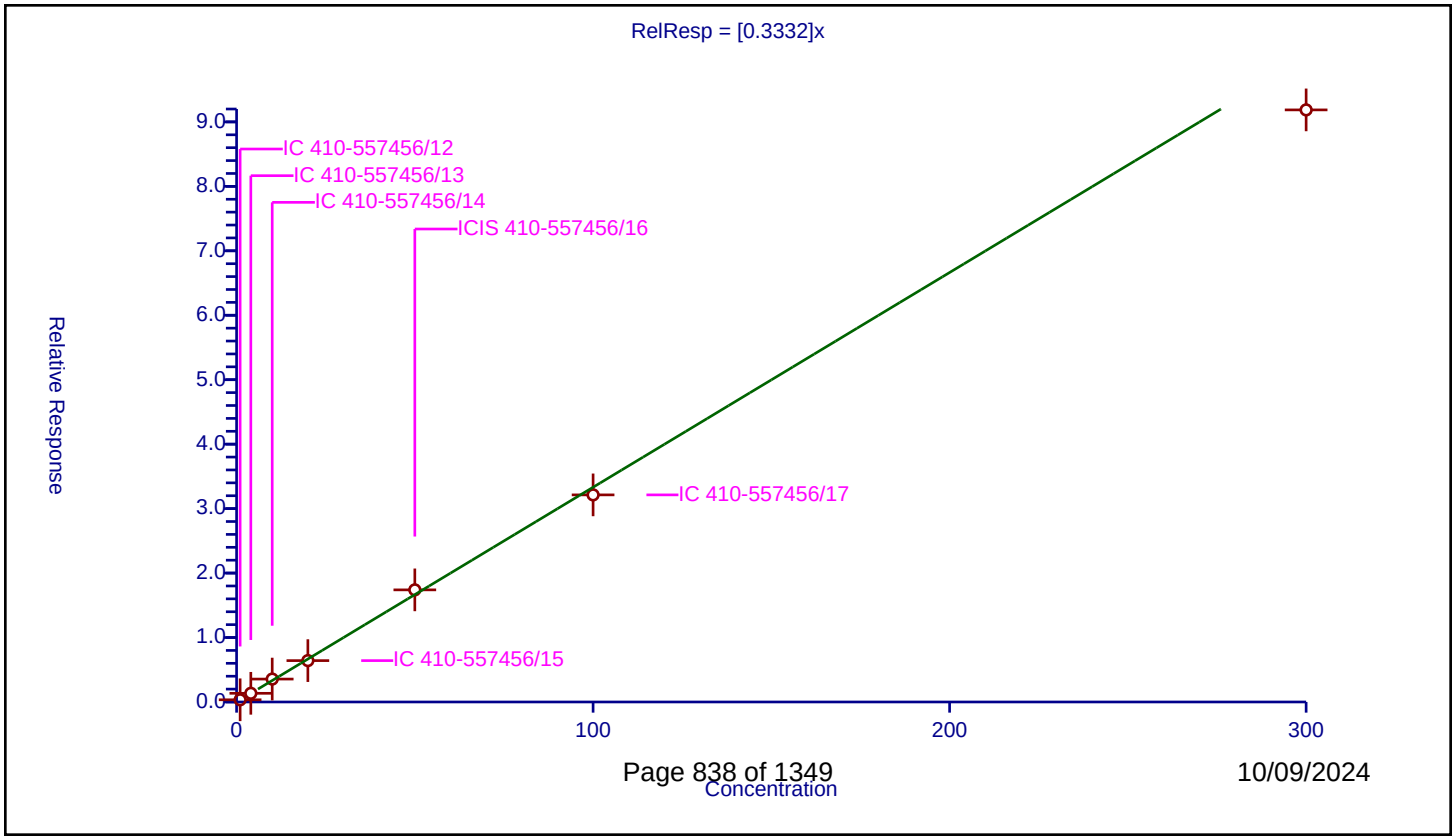
Curve Coefficients

Intercept:	0
Slope:	0.3332

Error Coefficients

Relative Standard Deviation:	5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.0	0.343239	50.0	1022466.0	0.343239	Y
2	IC 410-557456/13	4.0	1.347352	50.0	998700.0	0.336838	Y
3	IC 410-557456/14	10.0	3.556711	50.0	1066744.0	0.355671	Y
4	IC 410-557456/15	20.0	6.420821	50.0	1064233.0	0.321041	Y
5	ICIS 410-557456/16	50.0	17.394224	50.0	1027456.0	0.347884	Y
6	IC 410-557456/17	100.0	32.134676	50.0	1065567.0	0.321347	Y
7	IC 410-557456/18	300.0	91.863884	50.0	1093292.0	0.306213	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

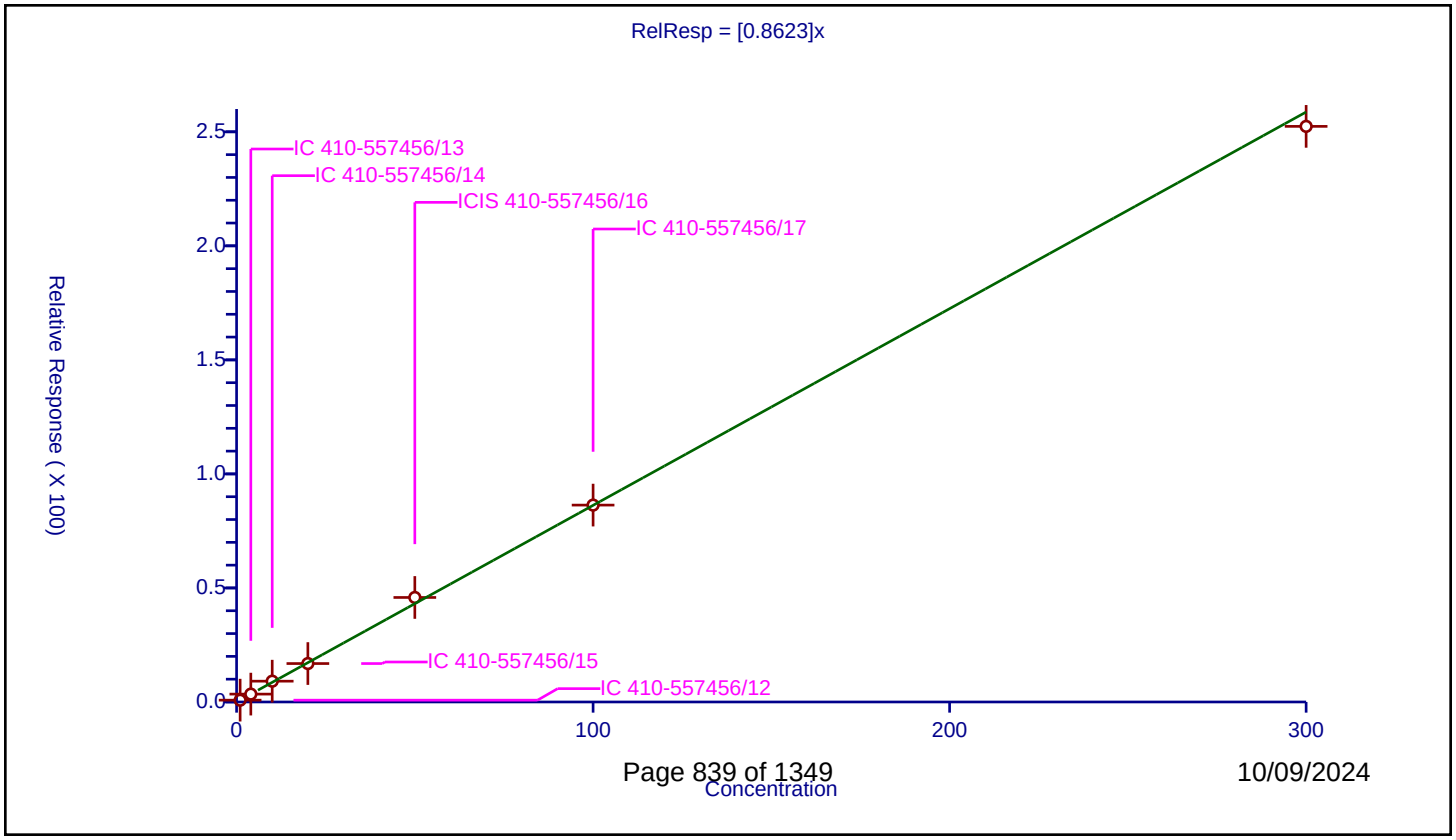
Curve Coefficients

Intercept:	0
Slope:	0.8623

Error Coefficients

Relative Standard Deviation:	4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.0	0.795039	50.0	1022466.0	0.795039	Y
2	IC 410-557456/13	4.0	3.458947	50.0	998700.0	0.864737	Y
3	IC 410-557456/14	10.0	9.122854	50.0	1066744.0	0.912285	Y
4	IC 410-557456/15	20.0	16.853546	50.0	1064233.0	0.842677	Y
5	ICIS 410-557456/16	50.0	45.829262	50.0	1027456.0	0.916585	Y
6	IC 410-557456/17	100.0	86.329719	50.0	1065567.0	0.863297	Y
7	IC 410-557456/18	300.0	252.388795	50.0	1093292.0	0.841296	Y



Calibration / n-Heptane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

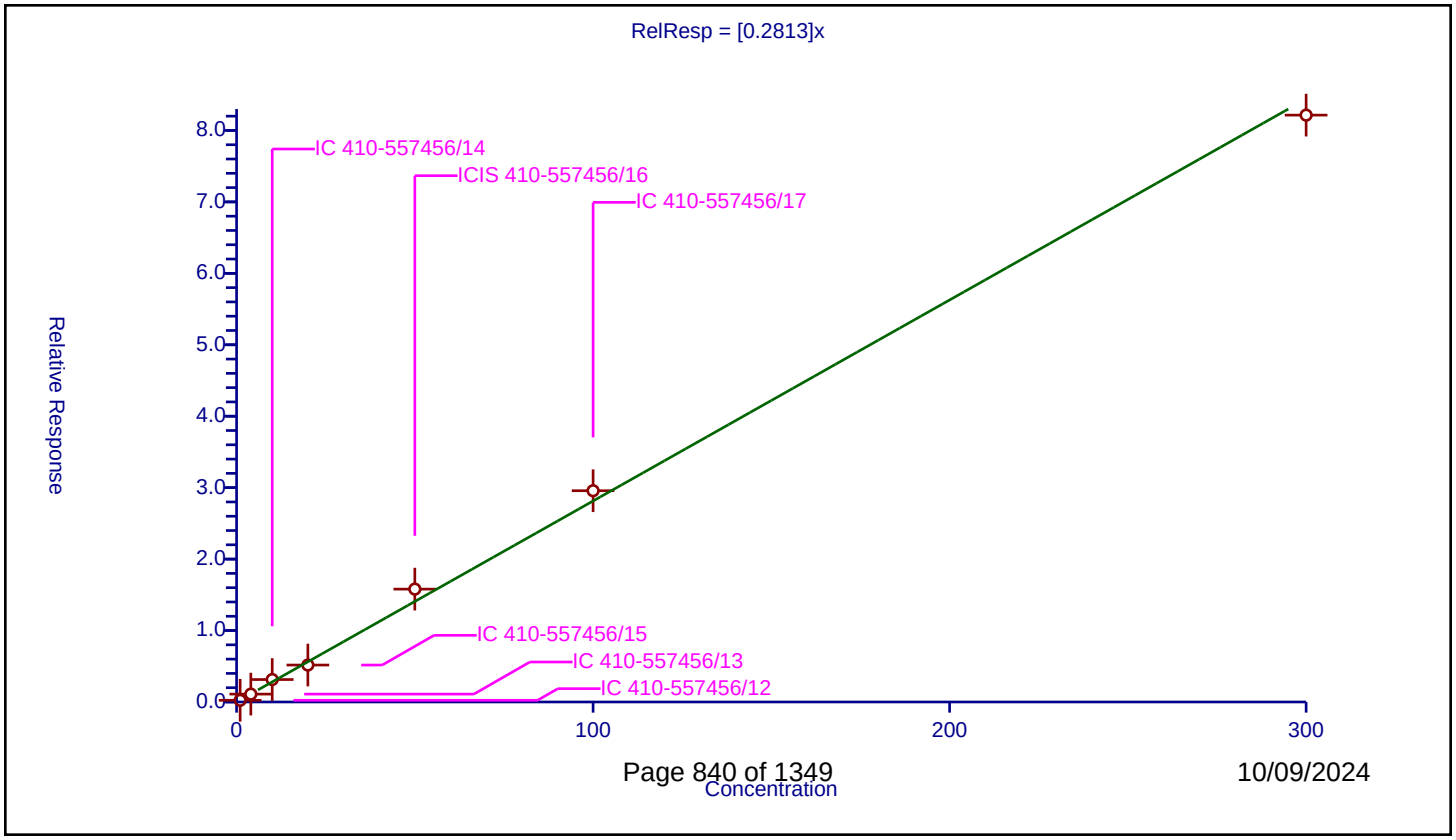
Curve Coefficients

Intercept:	0
Slope:	0.2813

Error Coefficients

Relative Standard Deviation:	10.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.0	0.2359	50.0	1022466.0	0.2359	Y
2	IC 410-557456/13	4.0	1.101632	50.0	998700.0	0.275408	Y
3	IC 410-557456/14	10.0	3.140725	50.0	1066744.0	0.314073	Y
4	IC 410-557456/15	20.0	5.170766	50.0	1064233.0	0.258538	Y
5	ICIS 410-557456/16	50.0	15.799752	50.0	1027456.0	0.315995	Y
6	IC 410-557456/17	100.0	29.571205	50.0	1065567.0	0.295712	Y
7	IC 410-557456/18	300.0	82.145712	50.0	1093292.0	0.273819	Y



Calibration / n-Butanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

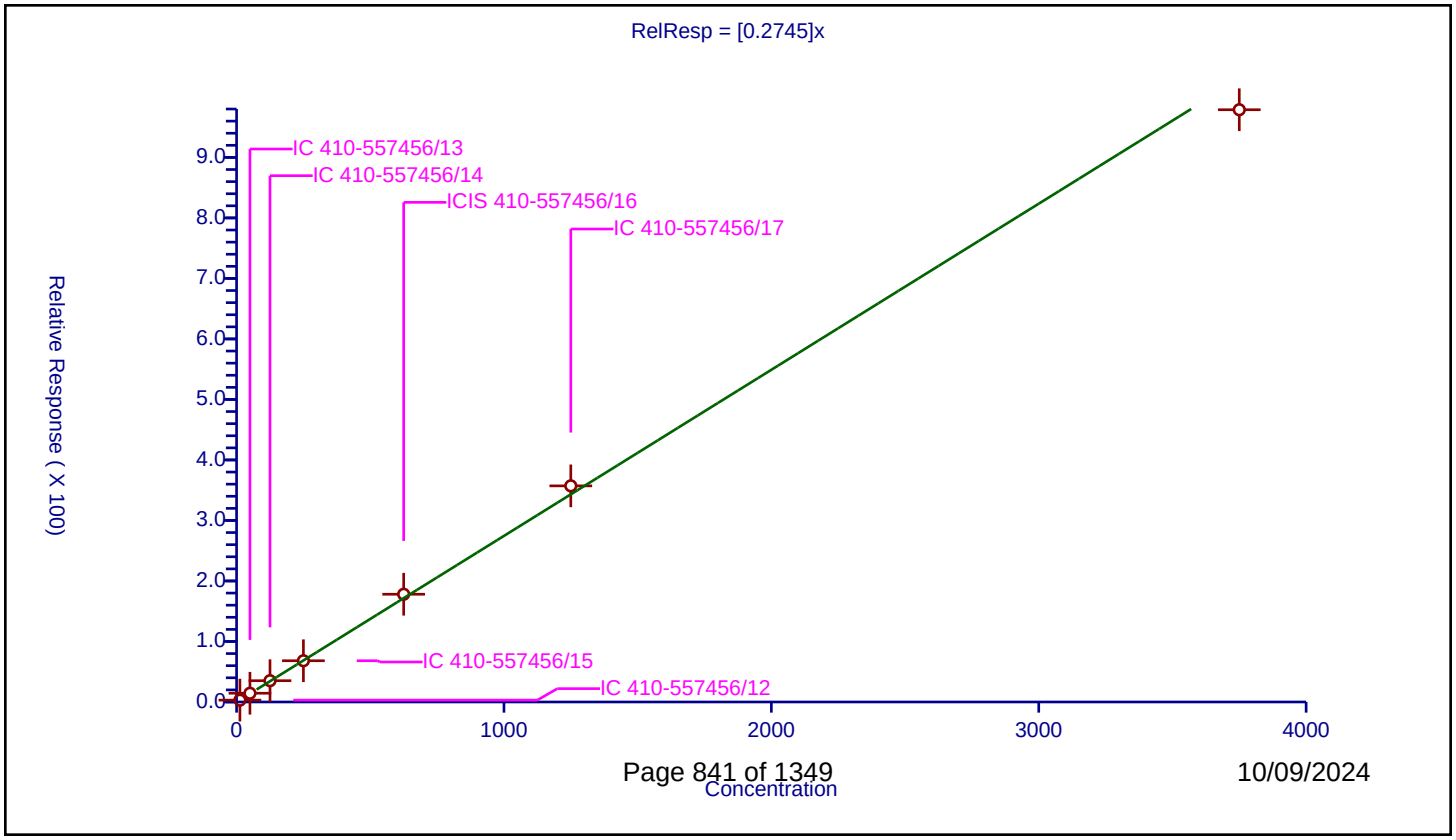
Curve Coefficients

Intercept:	0
Slope:	0.2745

Error Coefficients

Relative Standard Deviation:	5.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	12.5	3.082998	250.0	325657.0	0.24664	Y
2	IC 410-557456/13	50.0	14.455236	250.0	311548.0	0.289105	Y
3	IC 410-557456/14	125.0	35.188132	250.0	339390.0	0.281505	Y
4	IC 410-557456/15	250.0	68.148433	250.0	326761.0	0.272594	Y
5	ICIS 410-557456/16	625.0	178.072569	250.0	331685.0	0.284916	Y
6	IC 410-557456/17	1250.0	357.175214	250.0	356519.0	0.28574	Y
7	IC 410-557456/18	3750.0	978.804679	250.0	370754.0	0.261015	Y



Calibration / Trichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

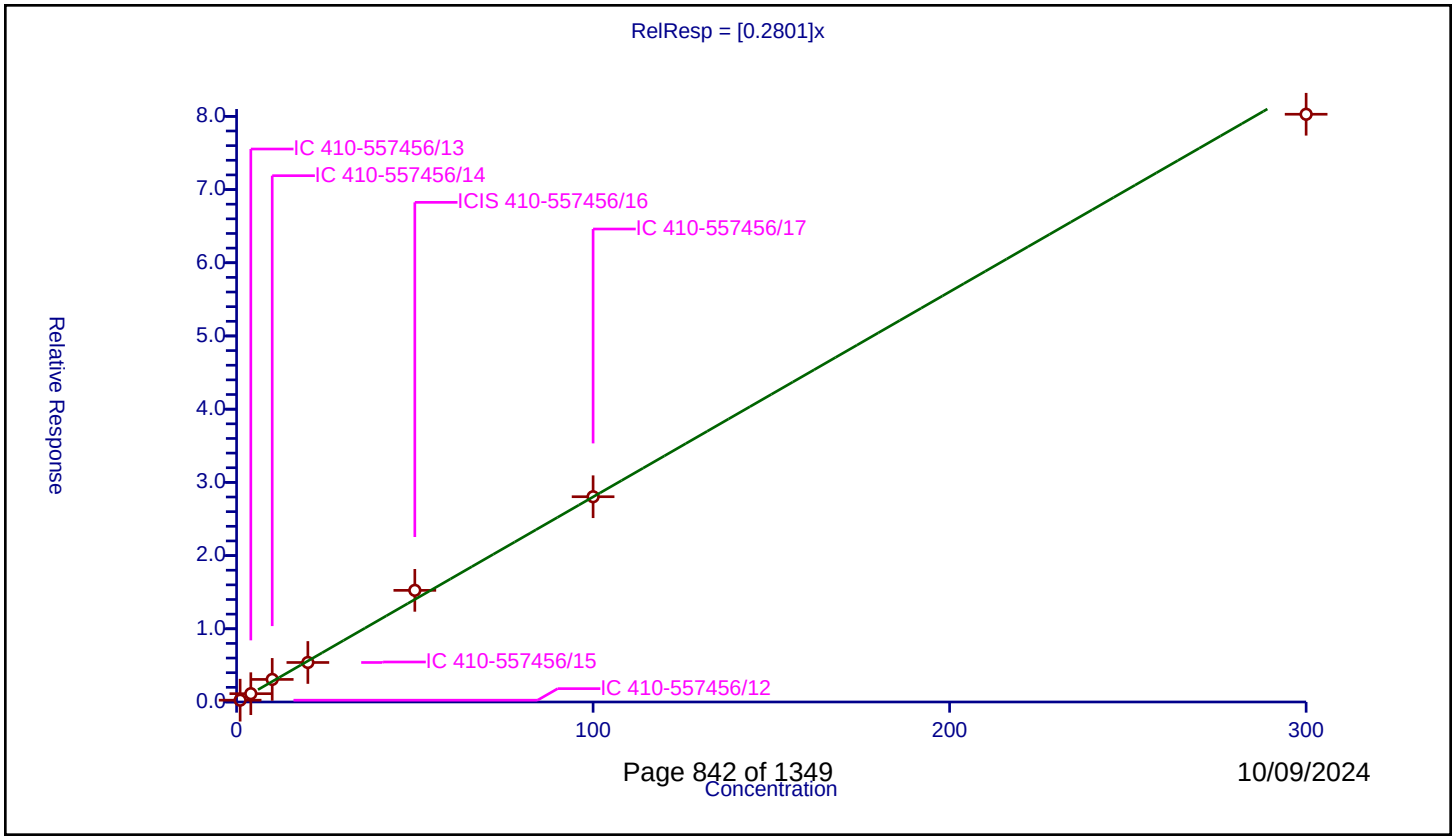
Curve Coefficients

Intercept:	0
Slope:	0.2801

Error Coefficients

Relative Standard Deviation:	7.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.0	0.246023	50.0	1022466.0	0.246023	Y
2	IC 410-557456/13	4.0	1.135827	50.0	998700.0	0.283957	Y
3	IC 410-557456/14	10.0	3.083308	50.0	1066744.0	0.308331	Y
4	IC 410-557456/15	20.0	5.394824	50.0	1064233.0	0.269741	Y
5	ICIS 410-557456/16	50.0	15.249315	50.0	1027456.0	0.304986	Y
6	IC 410-557456/17	100.0	28.037514	50.0	1065567.0	0.280375	Y
7	IC 410-557456/18	300.0	80.284178	50.0	1093292.0	0.267614	Y



Calibration / Ethyl acrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

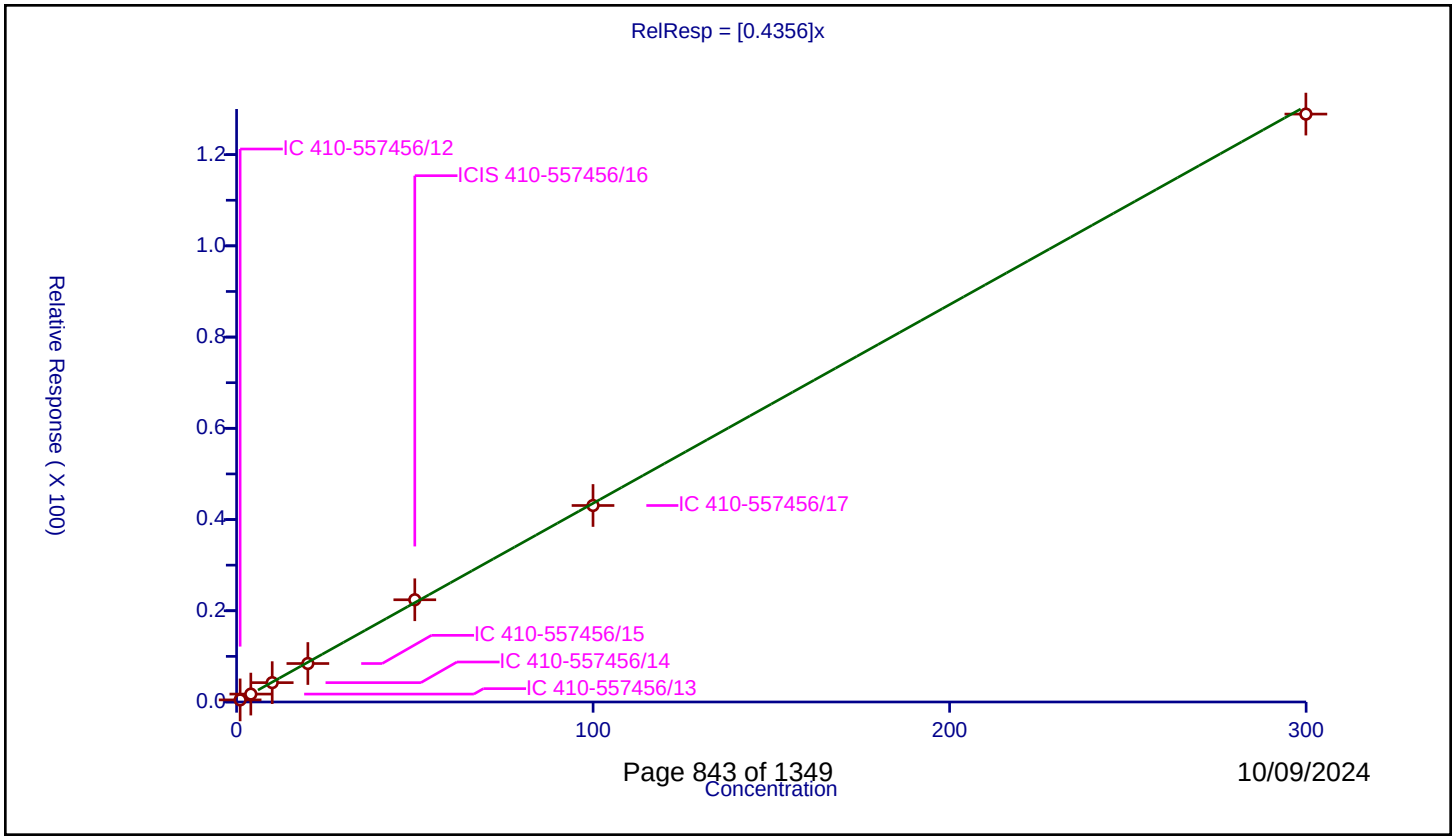
Curve Coefficients

Intercept:	0
Slope:	0.4356

Error Coefficients

Relative Standard Deviation:	3.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	0.999796	0.461042	50.0	1022466.0	0.461136	Y
2	IC 410-557456/13	3.999186	1.731601	50.0	998700.0	0.432988	Y
3	IC 410-557456/14	9.997964	4.241974	50.0	1066744.0	0.424284	Y
4	IC 410-557456/15	19.995928	8.430532	50.0	1064233.0	0.421612	Y
5	ICIS 410-557456/16	49.98982	22.410254	50.0	1027456.0	0.448296	Y
6	IC 410-557456/17	99.97964	43.075752	50.0	1065567.0	0.430845	Y
7	IC 410-557456/18	299.93892	128.88876	50.0	1093292.0	0.429717	Y



Calibration / Methylcyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

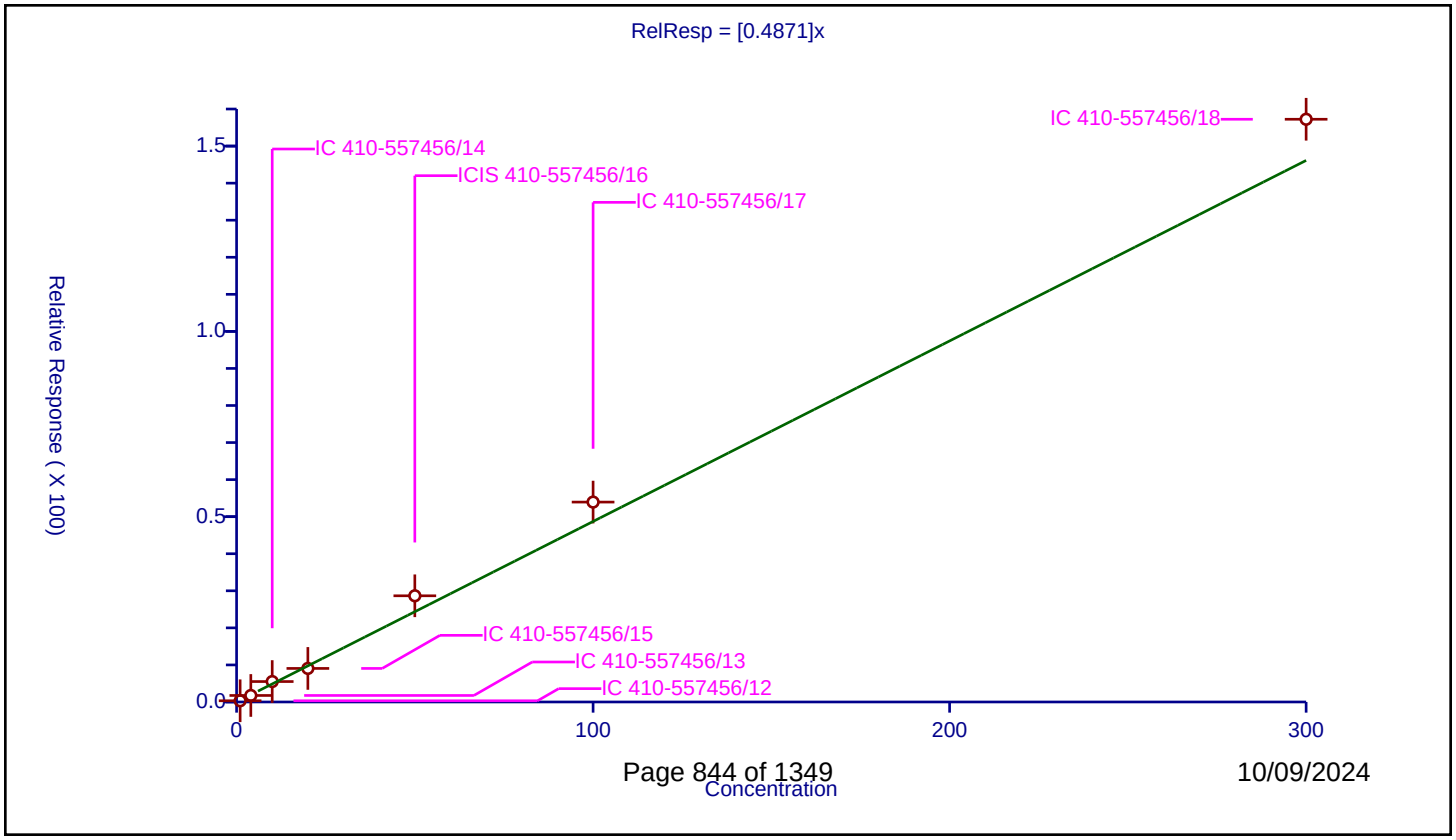
Curve Coefficients

Intercept:	0
Slope:	0.4871

Error Coefficients

Relative Standard Deviation:	17.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.0	0.329889	50.0	1022466.0	0.329889	Y
2	IC 410-557456/13	4.0	1.755682	50.0	998700.0	0.438921	Y
3	IC 410-557456/14	10.0	5.515709	50.0	1066744.0	0.551571	Y
4	IC 410-557456/15	20.0	9.052388	50.0	1064233.0	0.452619	Y
5	ICIS 410-557456/16	50.0	28.658891	50.0	1027456.0	0.573178	Y
6	IC 410-557456/17	100.0	53.940813	50.0	1065567.0	0.539408	Y
7	IC 410-557456/18	300.0	157.233292	50.0	1093292.0	0.524111	Y



Calibration / 1,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

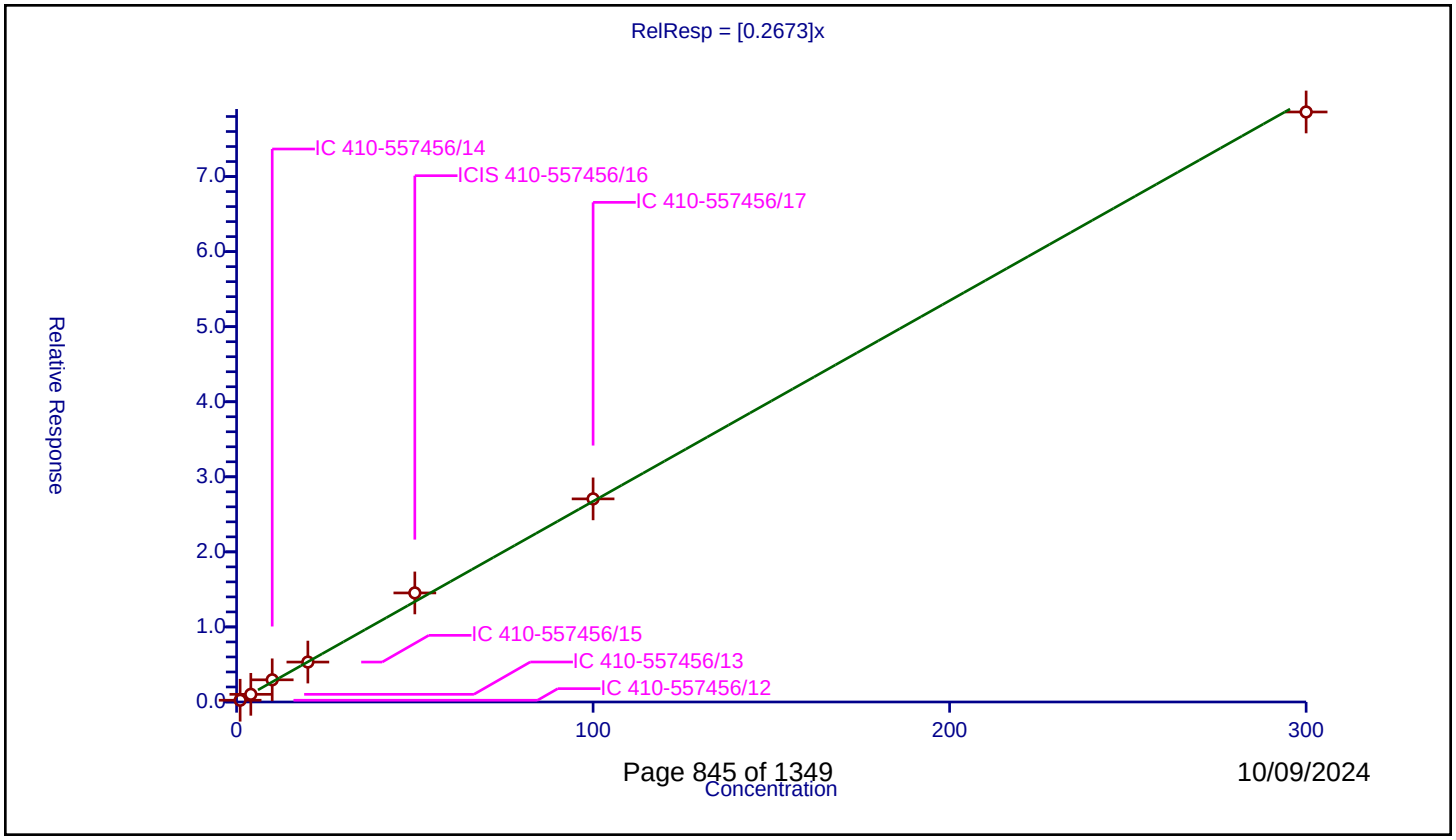
Curve Coefficients

Intercept:	0
Slope:	0.2673

Error Coefficients

Relative Standard Deviation:	8.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.0	0.231157	50.0	1022466.0	0.231157	Y
2	IC 410-557456/13	4.0	1.02298	50.0	998700.0	0.255745	Y
3	IC 410-557456/14	10.0	2.95277	50.0	1066744.0	0.295277	Y
4	IC 410-557456/15	20.0	5.321485	50.0	1064233.0	0.266074	Y
5	ICIS 410-557456/16	50.0	14.527435	50.0	1027456.0	0.290549	Y
6	IC 410-557456/17	100.0	27.059631	50.0	1065567.0	0.270596	Y
7	IC 410-557456/18	300.0	78.605213	50.0	1093292.0	0.262017	Y



Calibration / 2-ethoxy-2-methyl butane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

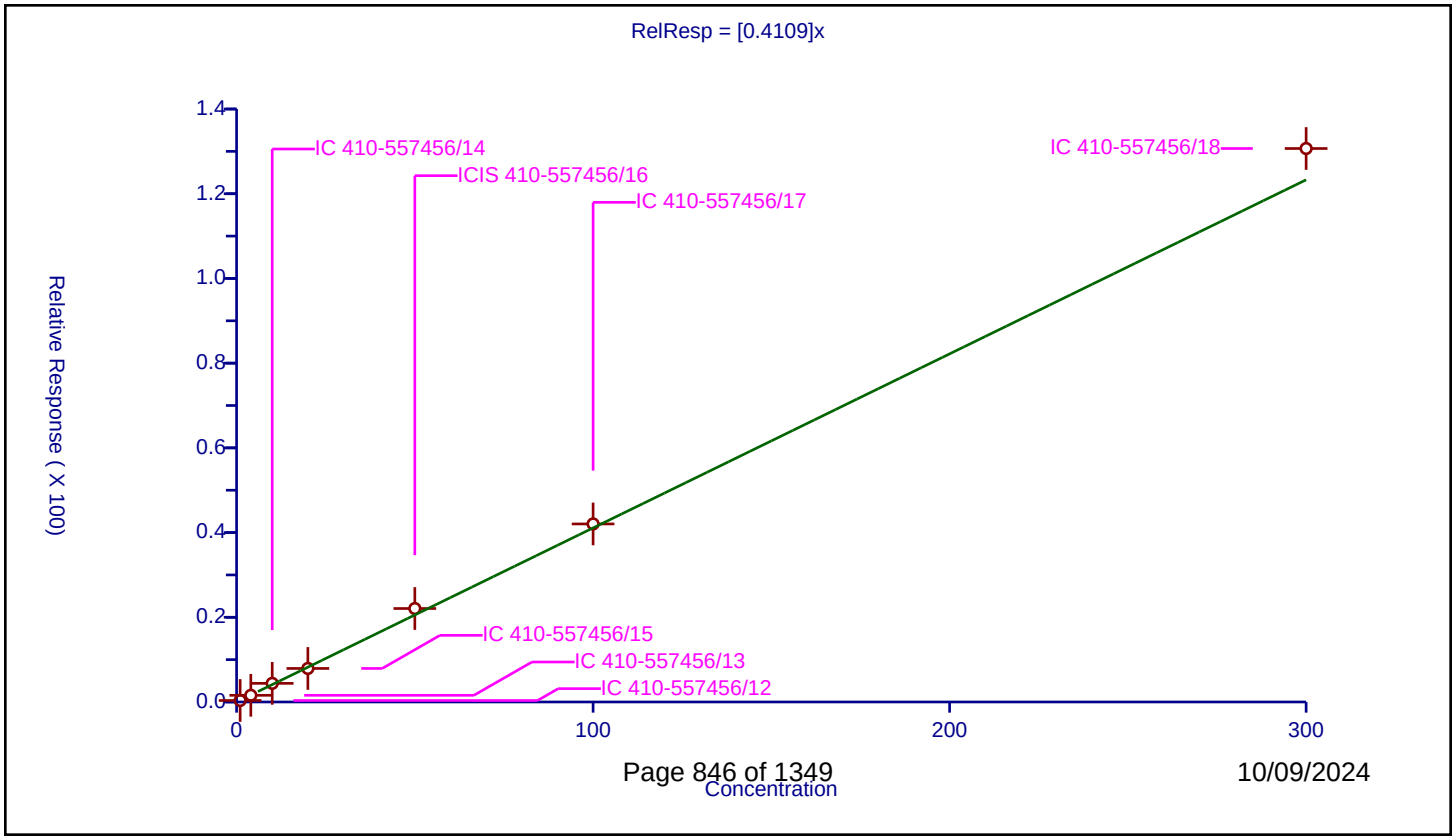
Curve Coefficients

Intercept:	0
Slope:	0.4109

Error Coefficients

Relative Standard Deviation:	8.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.0	0.348667	50.0	1022466.0	0.348667	Y
2	IC 410-557456/13	4.0	1.579153	50.0	998700.0	0.394788	Y
3	IC 410-557456/14	10.0	4.398525	50.0	1066744.0	0.439852	Y
4	IC 410-557456/15	20.0	7.920211	50.0	1064233.0	0.396011	Y
5	ICIS 410-557456/16	50.0	22.067271	50.0	1027456.0	0.441345	Y
6	IC 410-557456/17	100.0	42.036962	50.0	1065567.0	0.42037	Y
7	IC 410-557456/18	300.0	130.676709	50.0	1093292.0	0.435589	Y



Calibration / Methyl methacrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

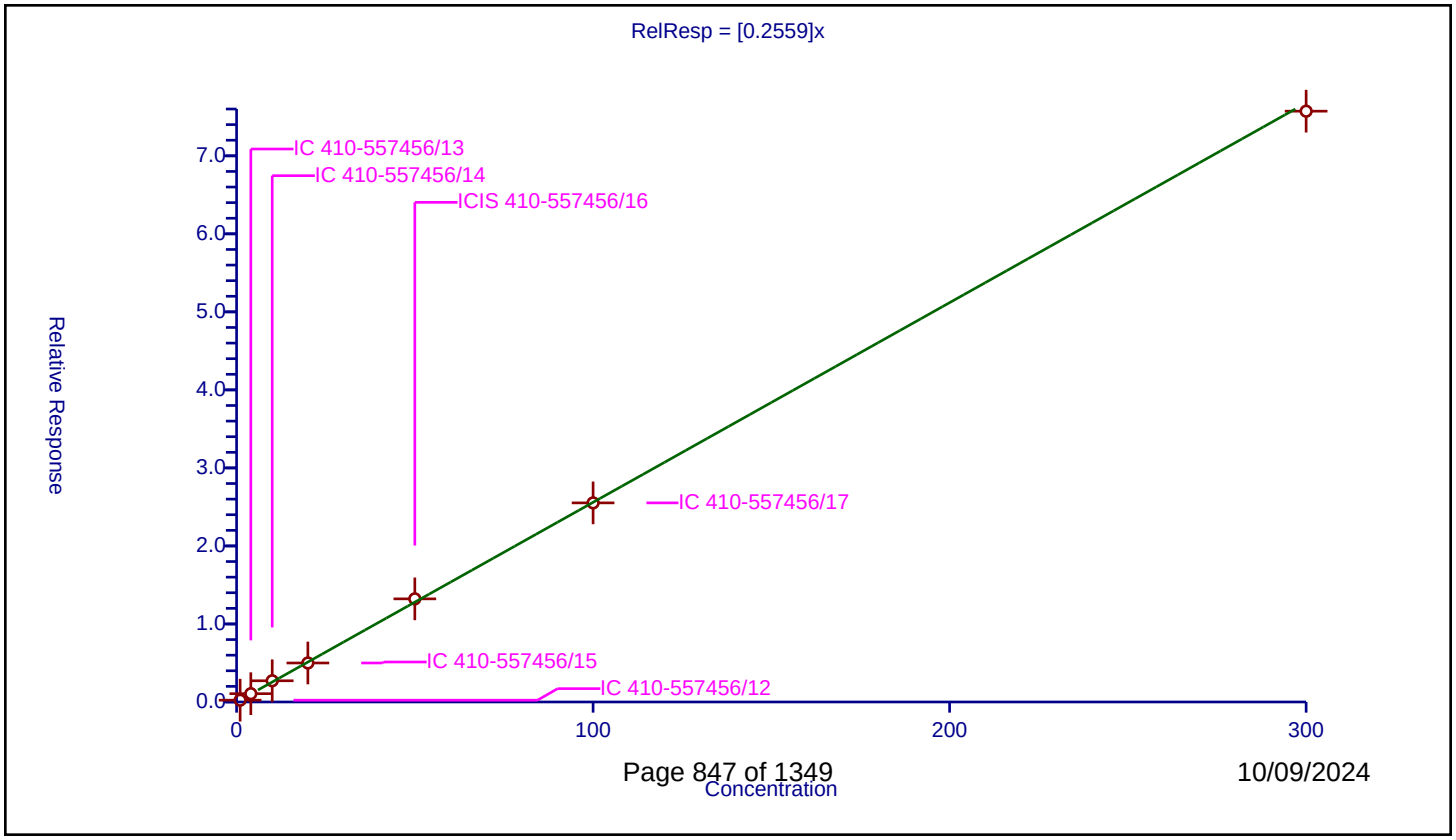
Curve Coefficients

Intercept:	0
Slope:	0.2559

Error Coefficients

Relative Standard Deviation:	5.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.0	0.231401	50.0	1022466.0	0.231401	Y
2	IC 410-557456/13	4.0	1.064083	50.0	998700.0	0.266021	Y
3	IC 410-557456/14	10.0	2.719537	50.0	1066744.0	0.271954	Y
4	IC 410-557456/15	20.0	4.999986	50.0	1064233.0	0.249999	Y
5	ICIS 410-557456/16	50.0	13.218814	50.0	1027456.0	0.264376	Y
6	IC 410-557456/17	100.0	25.518198	50.0	1065567.0	0.255182	Y
7	IC 410-557456/18	300.0	75.722588	50.0	1093292.0	0.252409	Y



Calibration / 1,4-Dioxane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

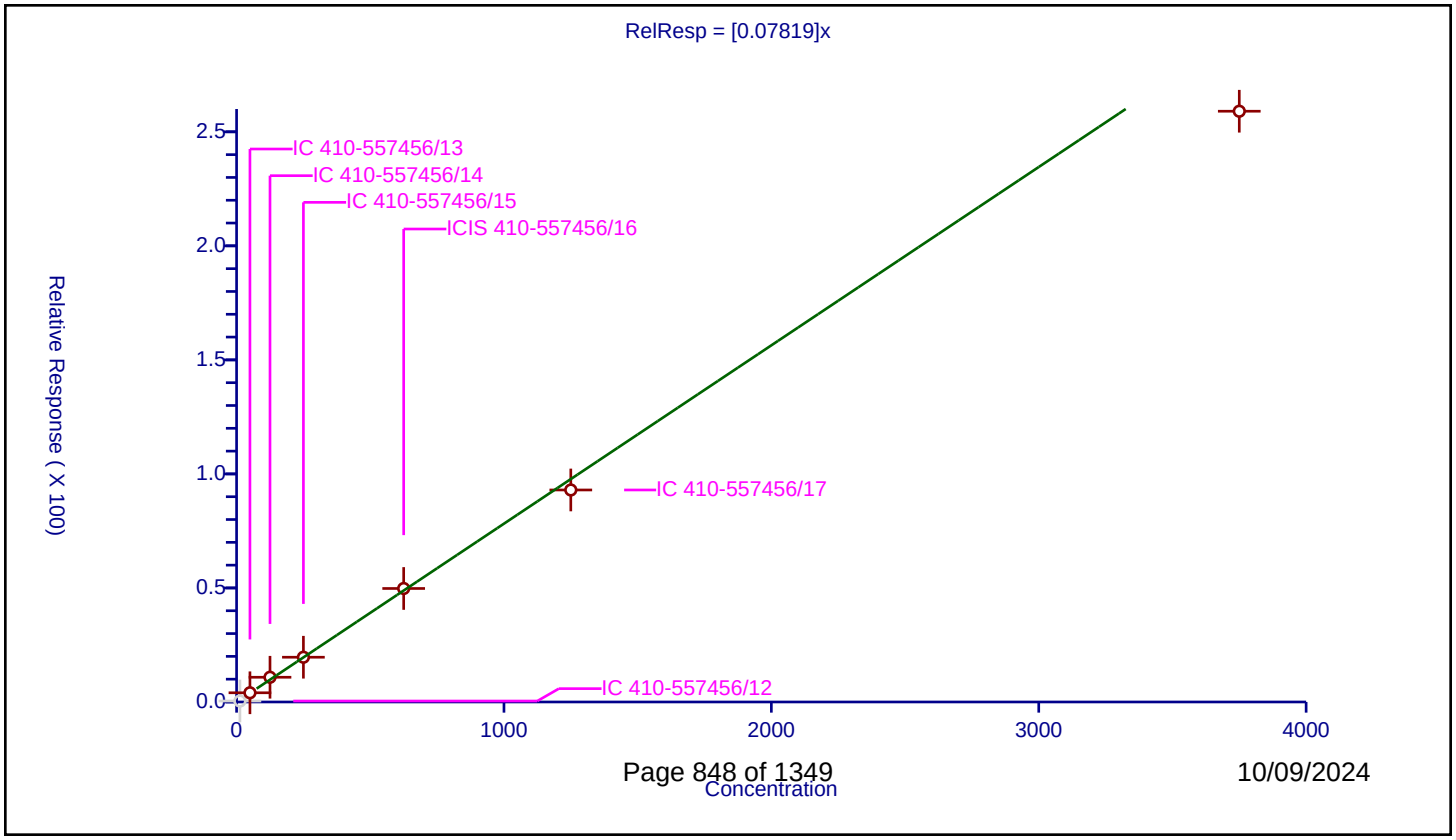
Curve Coefficients

Intercept:	0
Slope:	0.07819

Error Coefficients

Relative Standard Deviation:	7.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	12.5	0.426062	250.0	325657.0	0.034085	N
2	IC 410-557456/13	50.0	4.043518	250.0	311548.0	0.08087	Y
3	IC 410-557456/14	125.0	10.8393	250.0	339390.0	0.086714	Y
4	IC 410-557456/15	250.0	19.62061	250.0	326761.0	0.078482	Y
5	ICIS 410-557456/16	625.0	49.76333	250.0	331685.0	0.079621	Y
6	IC 410-557456/17	1250.0	92.959982	250.0	356519.0	0.074368	Y
7	IC 410-557456/18	3750.0	259.033618	250.0	370754.0	0.069076	Y



Calibration / Dibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

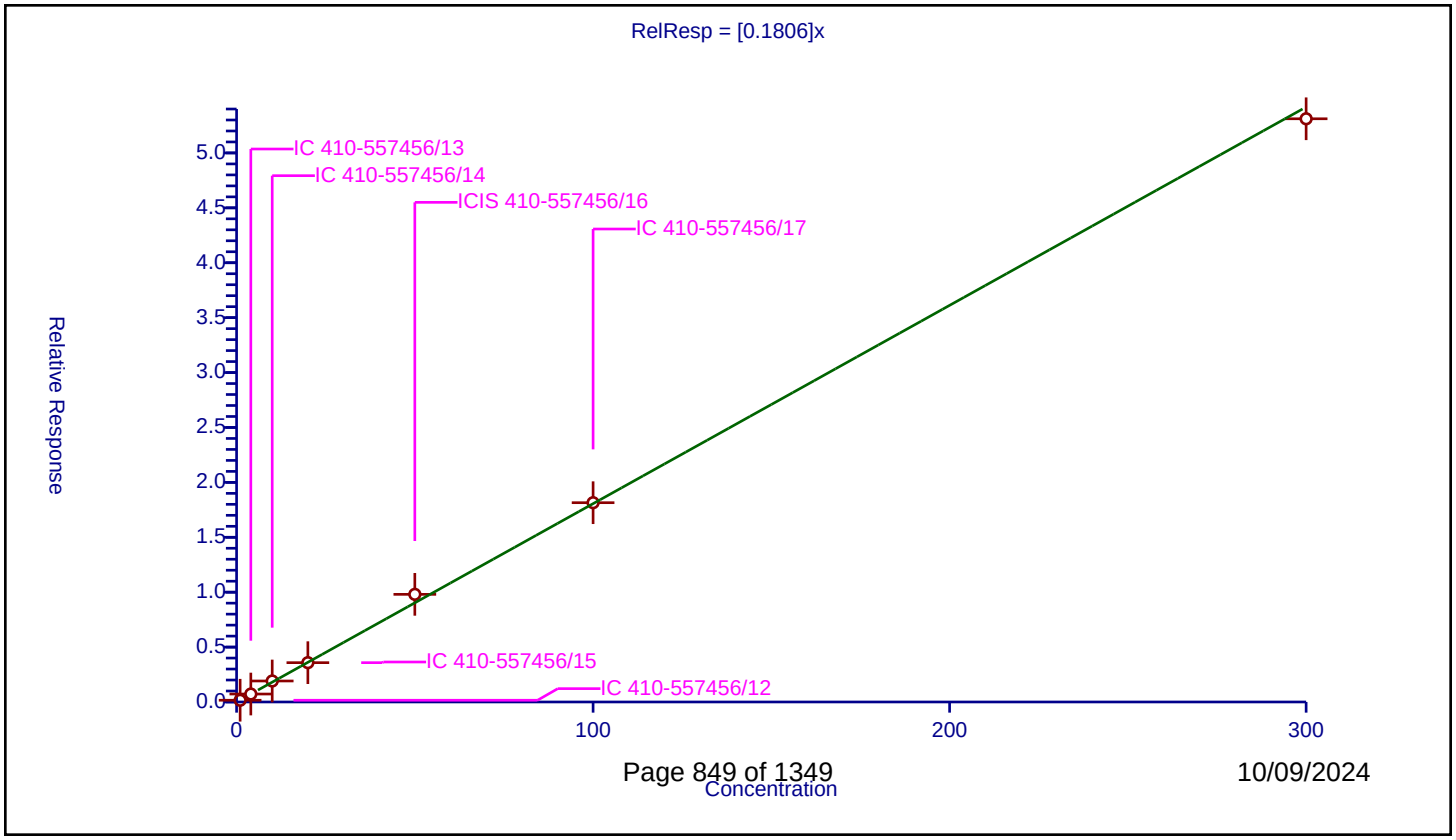
Curve Coefficients

Intercept:	0
Slope:	0.1806

Error Coefficients

Relative Standard Deviation:	6.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.0	0.157903	50.0	1022466.0	0.157903	Y
2	IC 410-557456/13	4.0	0.725844	50.0	998700.0	0.181461	Y
3	IC 410-557456/14	10.0	1.91194	50.0	1066744.0	0.191194	Y
4	IC 410-557456/15	20.0	3.581265	50.0	1064233.0	0.179063	Y
5	ICIS 410-557456/16	50.0	9.80334	50.0	1027456.0	0.196067	Y
6	IC 410-557456/17	100.0	18.148554	50.0	1065567.0	0.181486	Y
7	IC 410-557456/18	300.0	53.110285	50.0	1093292.0	0.177034	Y



Calibration / Dichlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

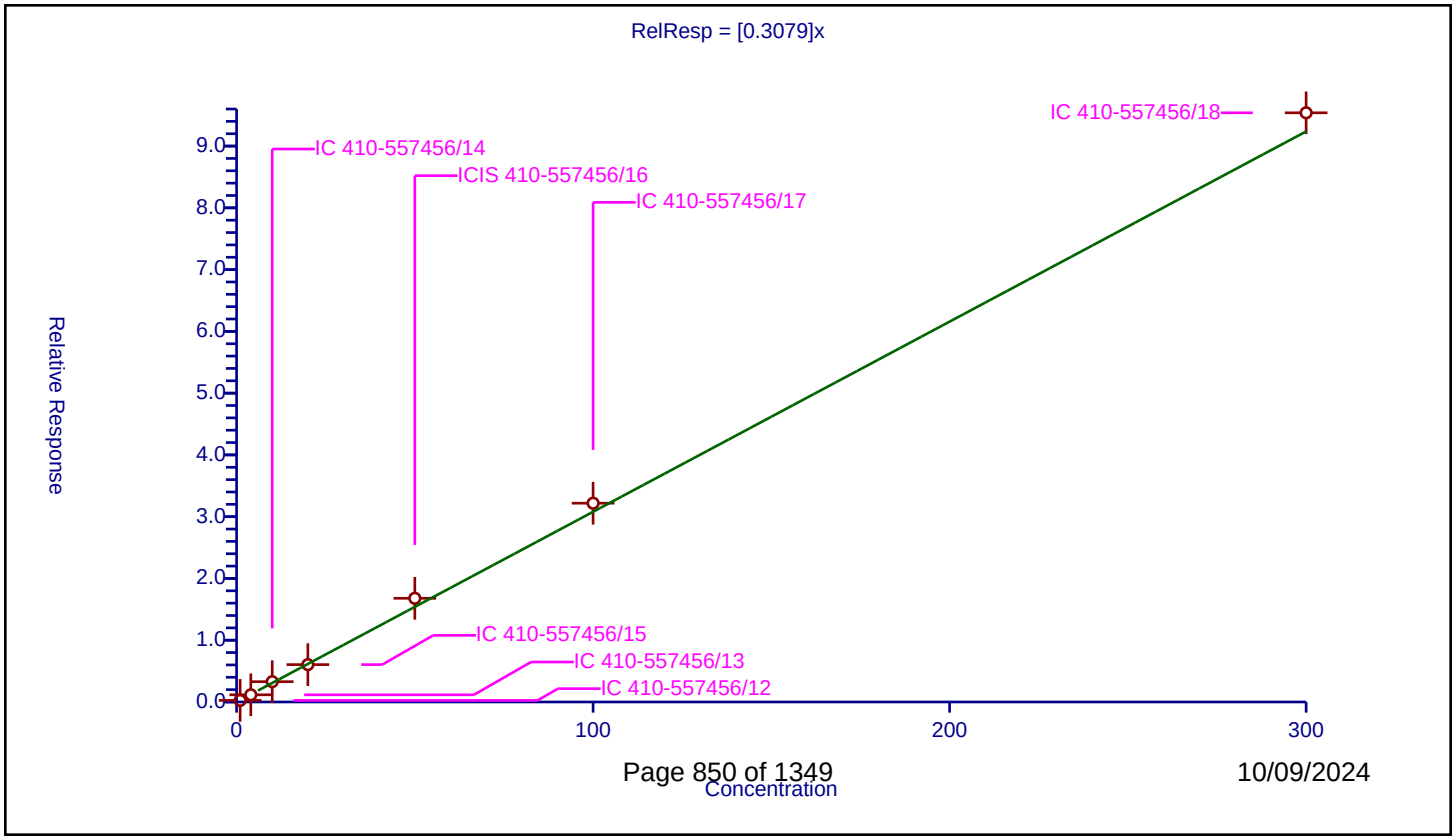
Curve Coefficients

Intercept:	0
Slope:	0.3079

Error Coefficients

Relative Standard Deviation:	8.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.0	0.257857	50.0	1022466.0	0.257857	Y
2	IC 410-557456/13	4.0	1.163012	50.0	998700.0	0.290753	Y
3	IC 410-557456/14	10.0	3.286262	50.0	1066744.0	0.328626	Y
4	IC 410-557456/15	20.0	6.049803	50.0	1064233.0	0.30249	Y
5	ICIS 410-557456/16	50.0	16.785877	50.0	1027456.0	0.335718	Y
6	IC 410-557456/17	100.0	32.180614	50.0	1065567.0	0.321806	Y
7	IC 410-557456/18	300.0	95.388377	50.0	1093292.0	0.317961	Y



Calibration / 2-Nitropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

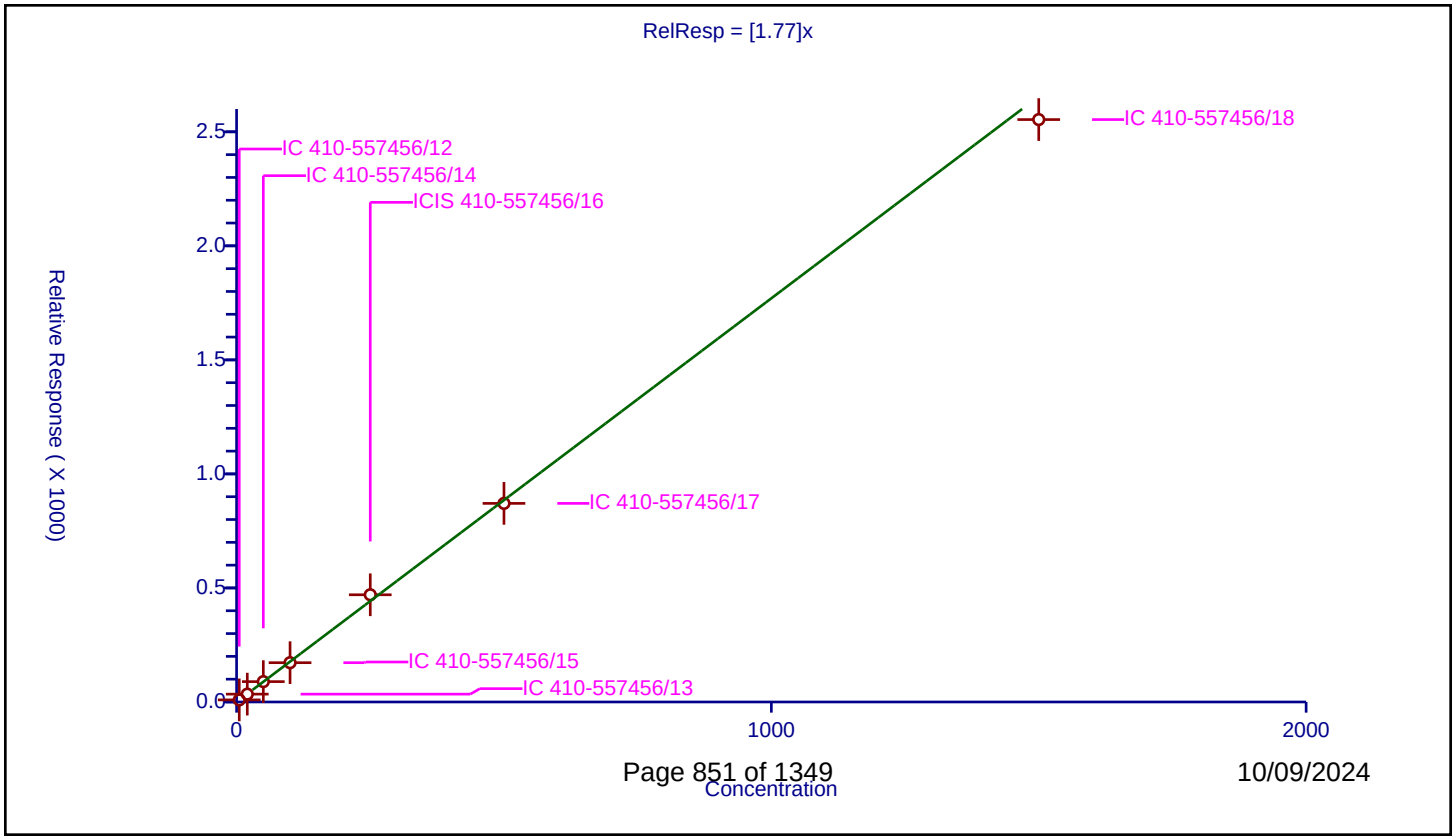
Curve Coefficients

Intercept:	0
Slope:	1.77

Error Coefficients

Relative Standard Deviation:	3.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	5.0	9.16455	250.0	325657.0	1.83291	Y
2	IC 410-557456/13	20.0	34.474623	250.0	311548.0	1.723731	Y
3	IC 410-557456/14	50.0	89.249831	250.0	339390.0	1.784997	Y
4	IC 410-557456/15	100.0	172.340793	250.0	326761.0	1.723408	Y
5	ICIS 410-557456/16	250.0	470.108687	250.0	331685.0	1.880435	Y
6	IC 410-557456/17	500.0	870.793702	250.0	356519.0	1.741587	Y
7	IC 410-557456/18	1500.0	2553.749252	250.0	370754.0	1.7025	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

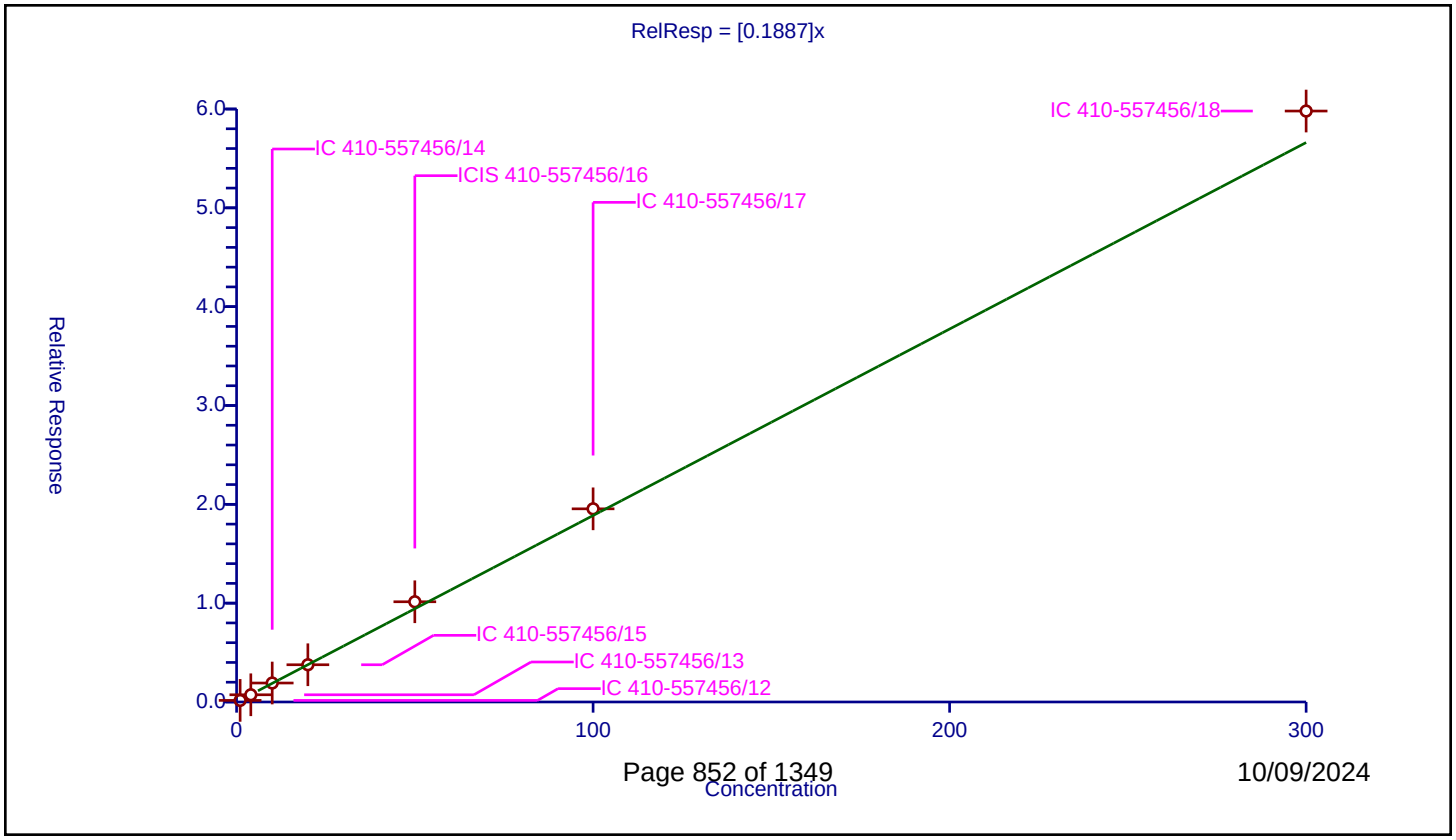
Curve Coefficients

Intercept:	0
Slope:	0.1887

Error Coefficients

Relative Standard Deviation:	7.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.0	0.160543	50.0	1022466.0	0.160543	Y
2	IC 410-557456/13	4.0	0.729598	50.0	998700.0	0.1824	Y
3	IC 410-557456/14	10.0	1.919439	50.0	1066744.0	0.191944	Y
4	IC 410-557456/15	20.0	3.767079	50.0	1064233.0	0.188354	Y
5	ICIS 410-557456/16	50.0	10.140775	50.0	1027456.0	0.202815	Y
6	IC 410-557456/17	100.0	19.546167	50.0	1065567.0	0.195462	Y
7	IC 410-557456/18	300.0	59.795233	50.0	1093292.0	0.199317	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

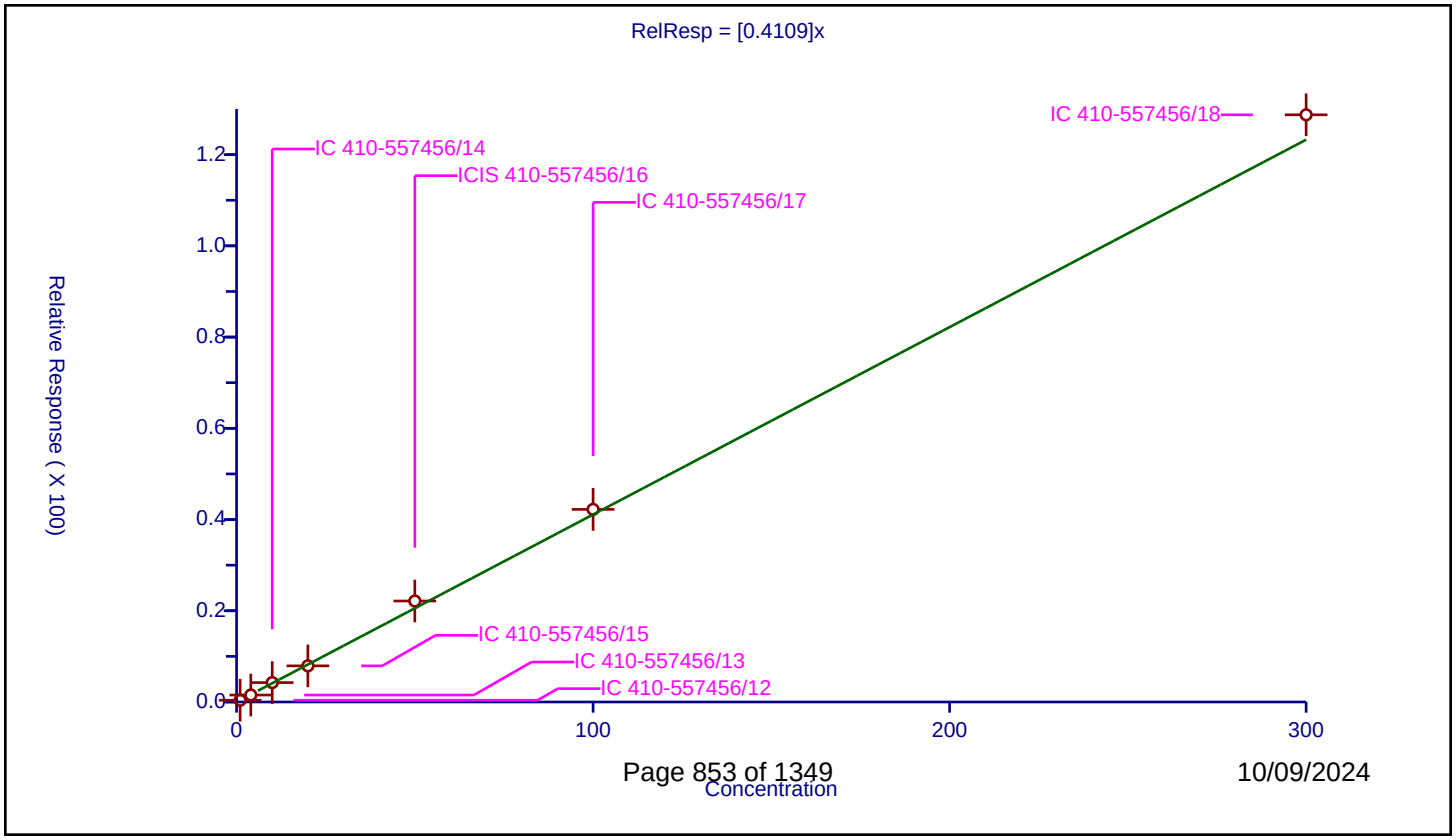
Curve Coefficients

Intercept:	0
Slope:	0.4109

Error Coefficients

Relative Standard Deviation:	6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.0	0.380991	50.0	1022466.0	0.380991	Y
2	IC 410-557456/13	4.0	1.520176	50.0	998700.0	0.380044	Y
3	IC 410-557456/14	10.0	4.251864	50.0	1066744.0	0.425186	Y
4	IC 410-557456/15	20.0	7.920258	50.0	1064233.0	0.396013	Y
5	ICIS 410-557456/16	50.0	22.13467	50.0	1027456.0	0.442693	Y
6	IC 410-557456/17	100.0	42.227284	50.0	1065567.0	0.422273	Y
7	IC 410-557456/18	300.0	128.733495	50.0	1093292.0	0.429112	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

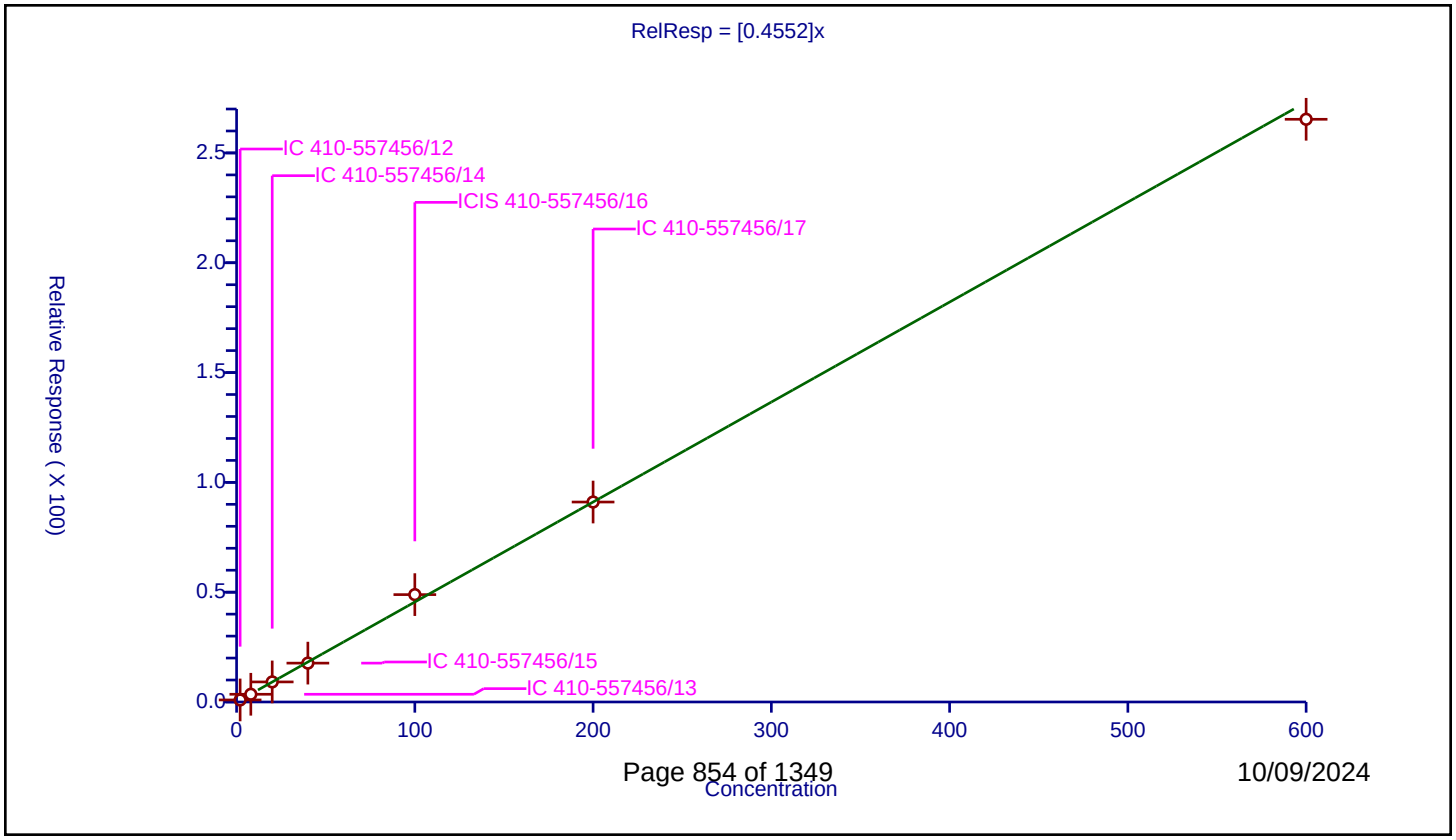
Curve Coefficients

Intercept:	0
Slope:	0.4552

Error Coefficients

Relative Standard Deviation:	3.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	2.0	0.923307	50.0	1022466.0	0.461653	Y
2	IC 410-557456/13	8.0	3.512166	50.0	998700.0	0.439021	Y
3	IC 410-557456/14	20.0	9.14254	50.0	1066744.0	0.457127	Y
4	IC 410-557456/15	40.0	17.699648	50.0	1064233.0	0.442491	Y
5	ICIS 410-557456/16	100.0	48.890123	50.0	1027456.0	0.488901	Y
6	IC 410-557456/17	200.0	91.052041	50.0	1065567.0	0.45526	Y
7	IC 410-557456/18	600.0	265.323216	50.0	1093292.0	0.442205	Y



Calibration / Toluene-d8 (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

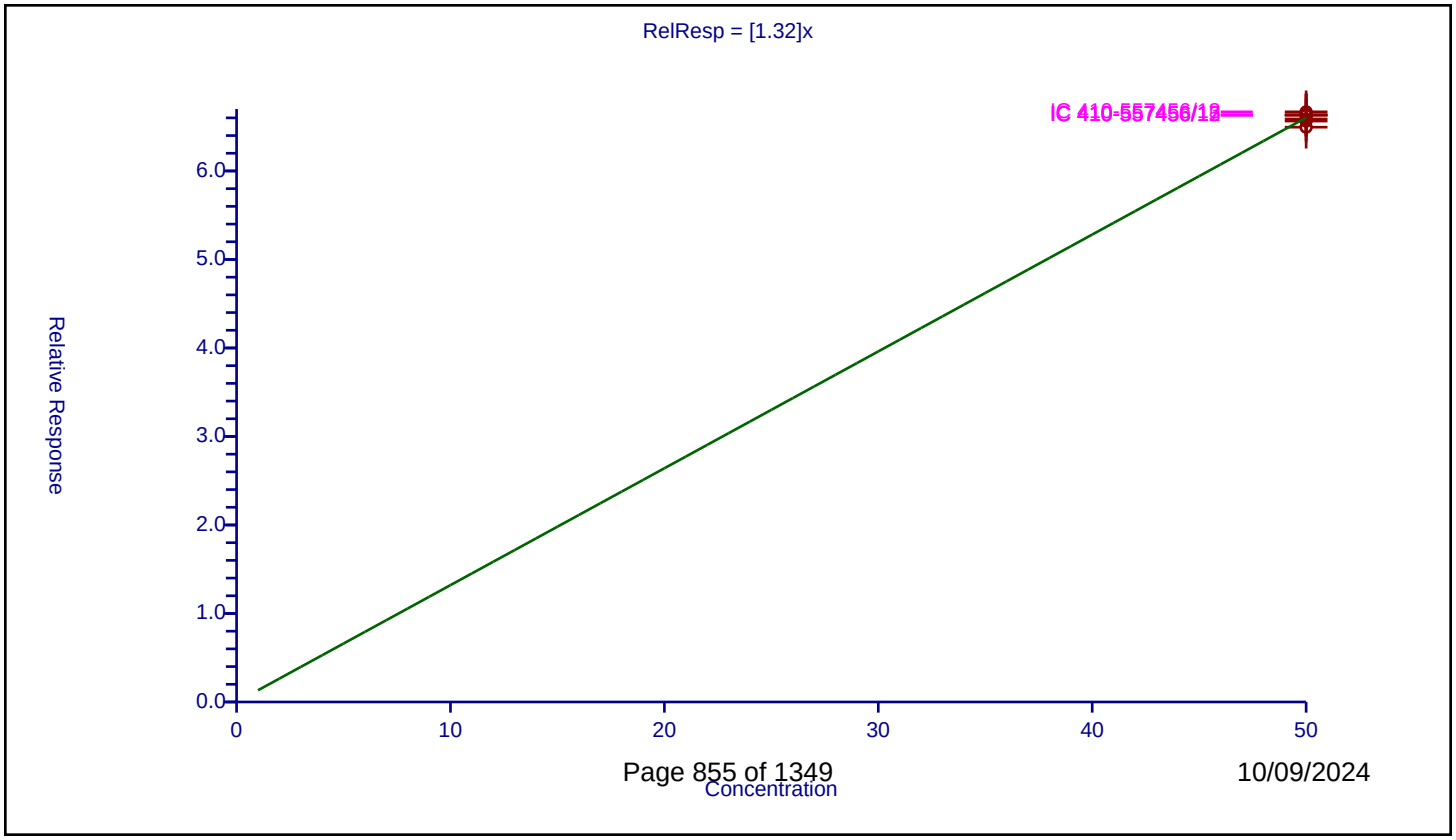
Curve Coefficients

Intercept:	0
Slope:	1.32

Error Coefficients

Relative Standard Deviation:	0.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	50.0	66.311098	50.0	764363.0	1.326222	Y
2	IC 410-557456/13	50.0	66.681682	50.0	742596.0	1.333634	Y
3	IC 410-557456/14	50.0	65.876082	50.0	802802.0	1.317522	Y
4	IC 410-557456/15	50.0	66.337003	50.0	795660.0	1.32674	Y
5	ICIS 410-557456/16	50.0	65.639282	50.0	784435.0	1.312786	Y
6	IC 410-557456/17	50.0	66.323335	50.0	818111.0	1.326467	Y
7	IC 410-557456/18	50.0	64.947846	50.0	892453.0	1.298957	Y



Calibration / Toluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

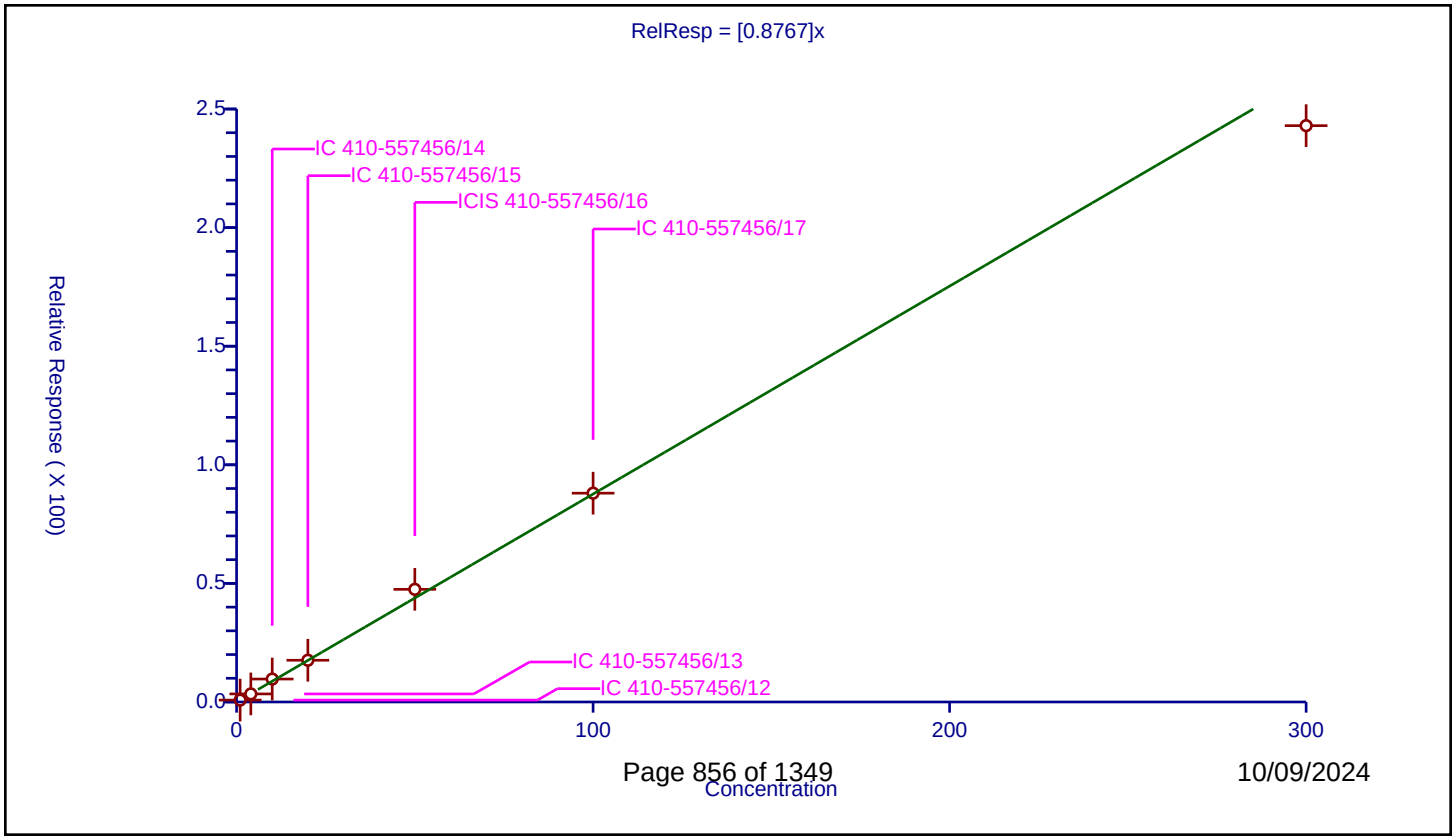
Curve Coefficients

Intercept:	0
Slope:	0.8767

Error Coefficients

Relative Standard Deviation:	7.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.0	0.797134	50.0	764363.0	0.797134	Y
2	IC 410-557456/13	4.0	3.405284	50.0	742596.0	0.851321	Y
3	IC 410-557456/14	10.0	9.678725	50.0	802802.0	0.967873	Y
4	IC 410-557456/15	20.0	17.600734	50.0	795660.0	0.880037	Y
5	ICIS 410-557456/16	50.0	47.493164	50.0	784435.0	0.949863	Y
6	IC 410-557456/17	100.0	88.038848	50.0	818111.0	0.880388	Y
7	IC 410-557456/18	300.0	242.986017	50.0	892453.0	0.809953	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

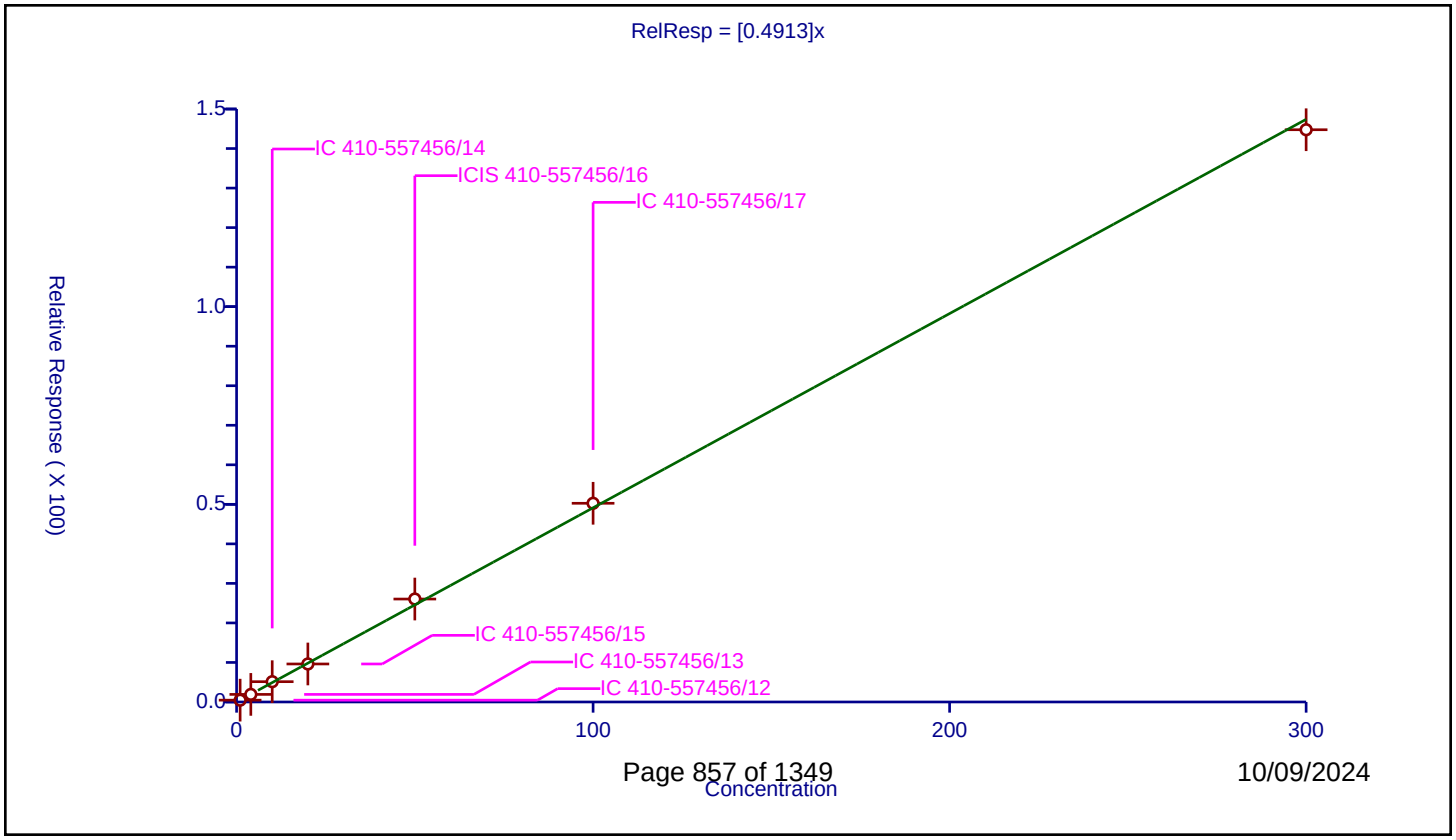
Curve Coefficients

Intercept:	0
Slope:	0.4913

Error Coefficients

Relative Standard Deviation:	4.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.0	0.459402	50.0	764363.0	0.459402	Y
2	IC 410-557456/13	4.0	1.916655	50.0	742596.0	0.479164	Y
3	IC 410-557456/14	10.0	5.135139	50.0	802802.0	0.513514	Y
4	IC 410-557456/15	20.0	9.618556	50.0	795660.0	0.480928	Y
5	ICIS 410-557456/16	50.0	26.042056	50.0	784435.0	0.520841	Y
6	IC 410-557456/17	100.0	50.265062	50.0	818111.0	0.502651	Y
7	IC 410-557456/18	300.0	144.756026	50.0	892453.0	0.48252	Y



Calibration / Ethyl methacrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

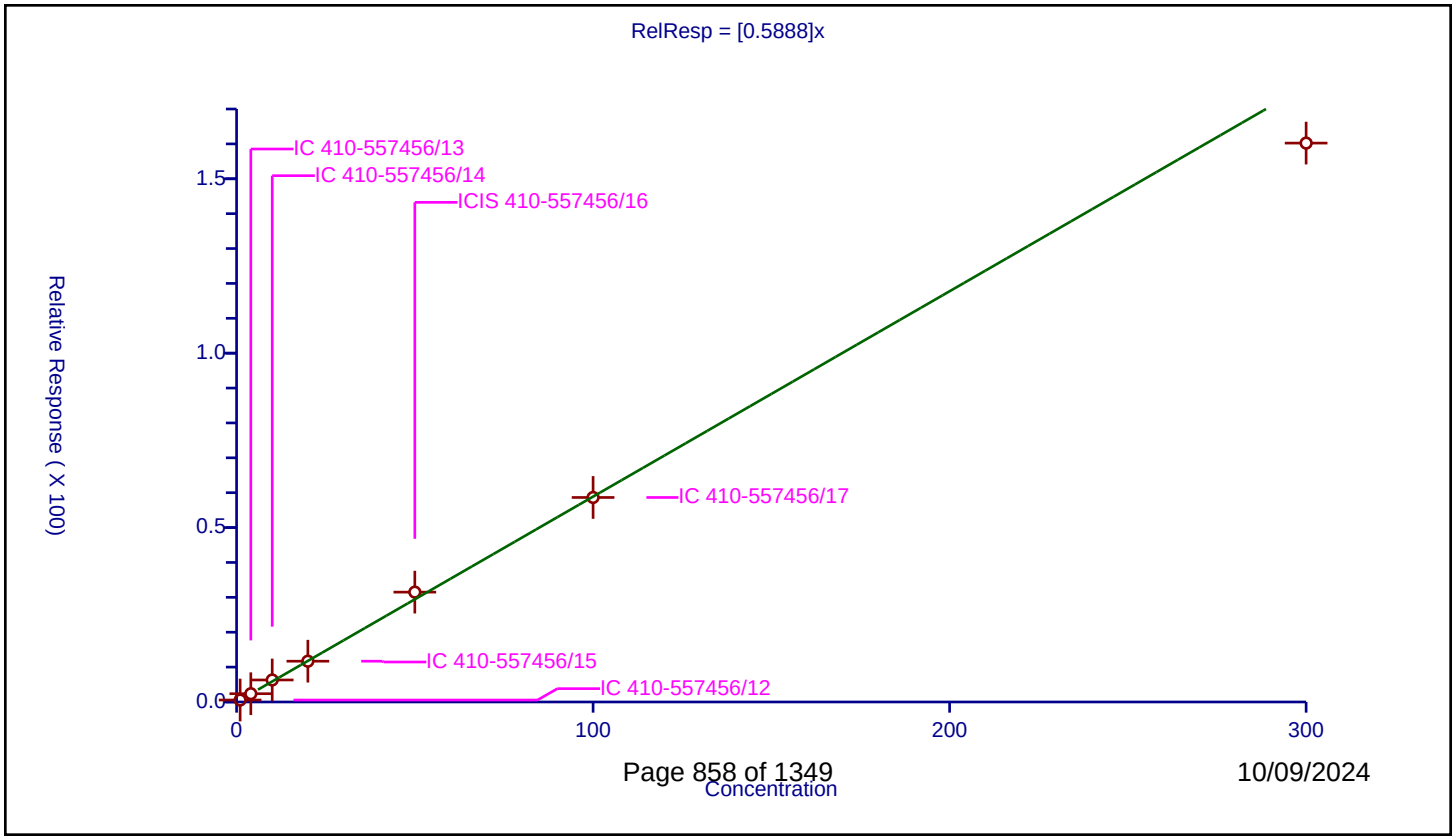
Curve Coefficients

Intercept:	0
Slope:	0.5888

Error Coefficients

Relative Standard Deviation:	5.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.0	0.562691	50.0	764363.0	0.562691	Y
2	IC 410-557456/13	4.0	2.370939	50.0	742596.0	0.592735	Y
3	IC 410-557456/14	10.0	6.307284	50.0	802802.0	0.630728	Y
4	IC 410-557456/15	20.0	11.696516	50.0	795660.0	0.584826	Y
5	ICIS 410-557456/16	50.0	31.495471	50.0	784435.0	0.629909	Y
6	IC 410-557456/17	100.0	58.633975	50.0	818111.0	0.58634	Y
7	IC 410-557456/18	300.0	160.23264	50.0	892453.0	0.534109	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

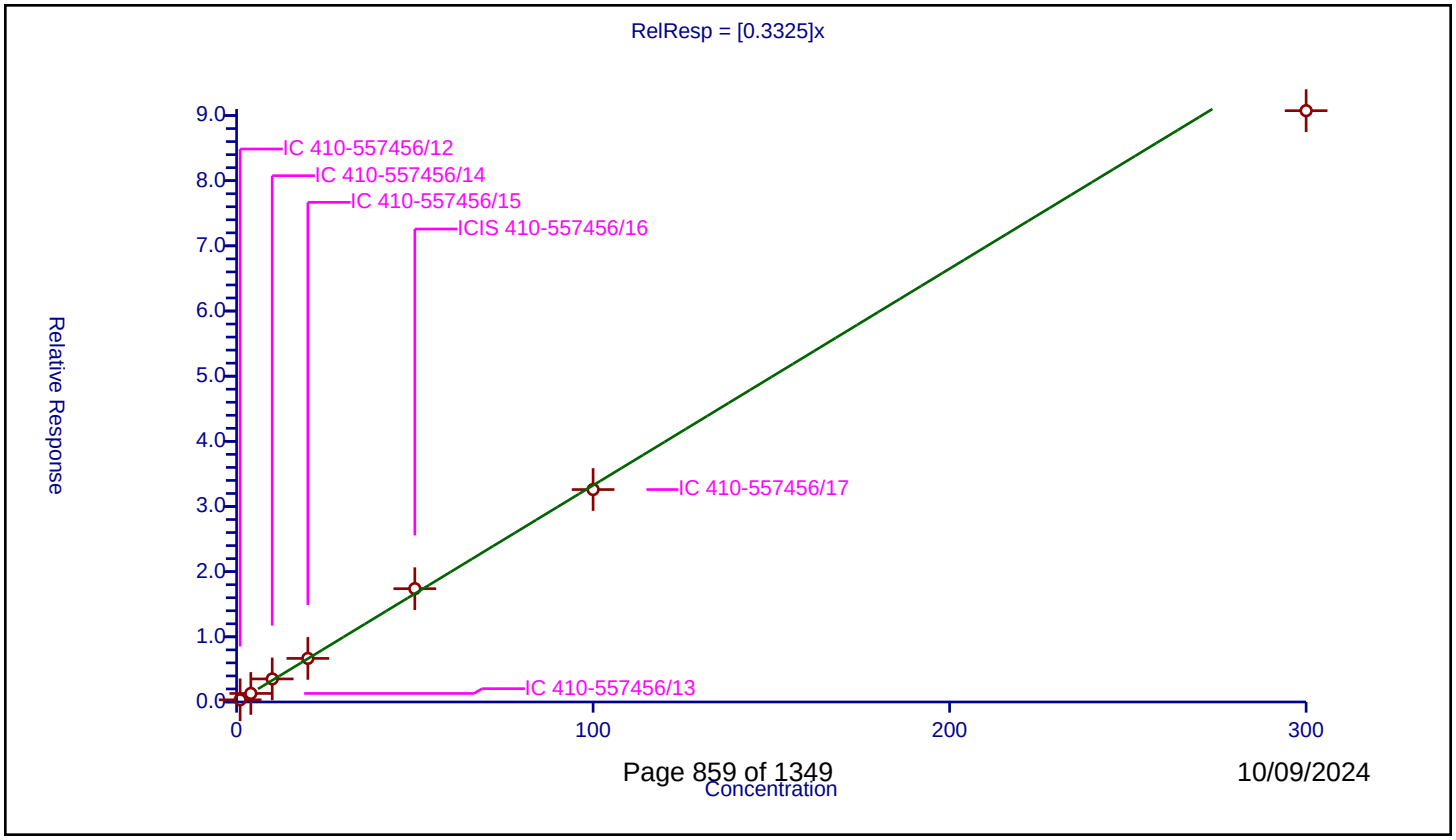
Curve Coefficients

Intercept:	0
Slope:	0.3325

Error Coefficients

Relative Standard Deviation:	5.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.0	0.334527	50.0	764363.0	0.334527	Y
2	IC 410-557456/13	4.0	1.312558	50.0	742596.0	0.328139	Y
3	IC 410-557456/14	10.0	3.53817	50.0	802802.0	0.353817	Y
4	IC 410-557456/15	20.0	6.688975	50.0	795660.0	0.334449	Y
5	ICIS 410-557456/16	50.0	17.390988	50.0	784435.0	0.34782	Y
6	IC 410-557456/17	100.0	32.602483	50.0	818111.0	0.326025	Y
7	IC 410-557456/18	300.0	90.745283	50.0	892453.0	0.302484	Y



Calibration / Tetrachloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

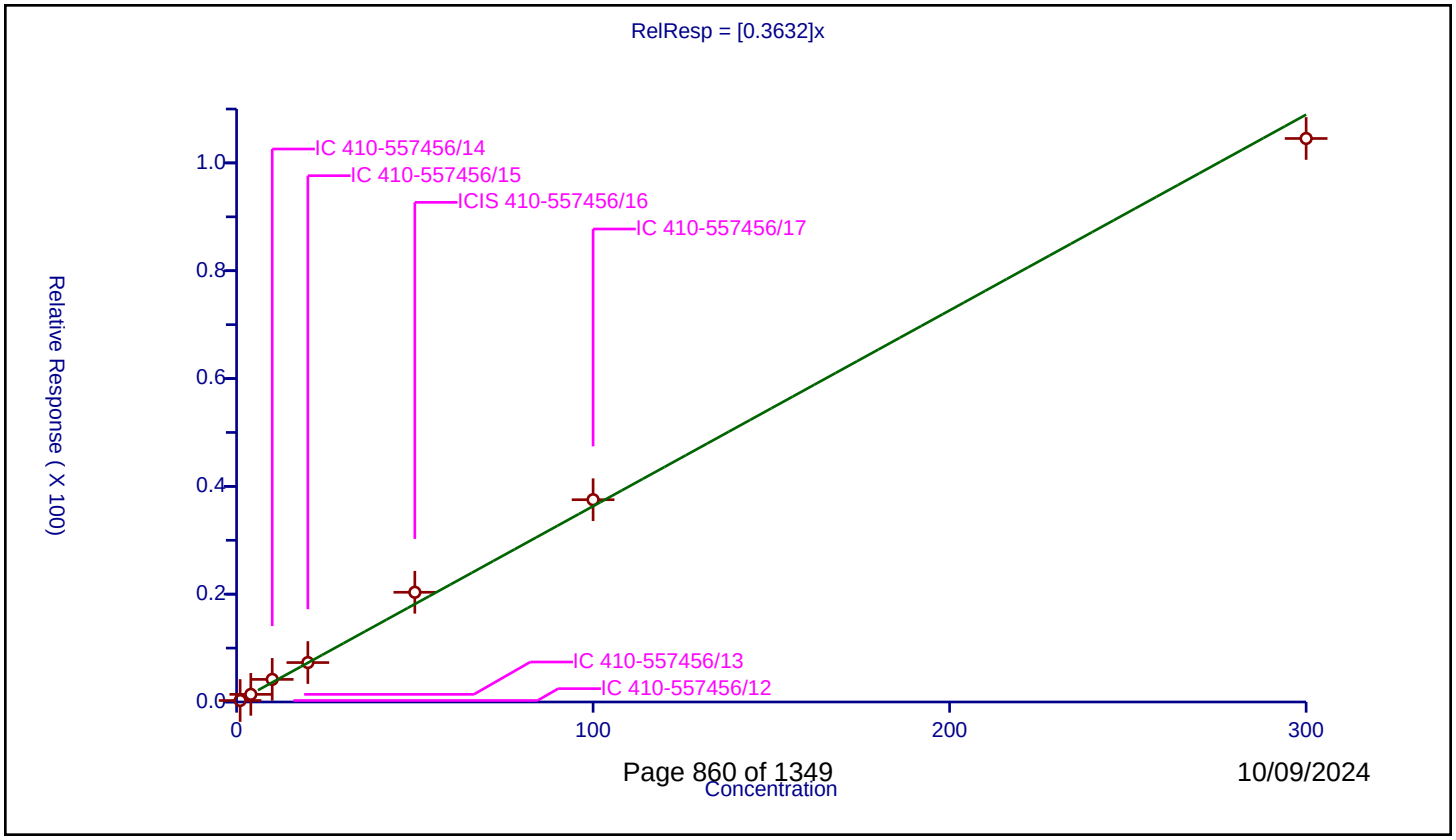
Curve Coefficients

Intercept:	0
Slope:	0.3632

Error Coefficients

Relative Standard Deviation:	13.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.0	0.272776	50.0	764363.0	0.272776	Y
2	IC 410-557456/13	4.0	1.417123	50.0	742596.0	0.354281	Y
3	IC 410-557456/14	10.0	4.190199	50.0	802802.0	0.41902	Y
4	IC 410-557456/15	20.0	7.311603	50.0	795660.0	0.36558	Y
5	ICIS 410-557456/16	50.0	20.353057	50.0	784435.0	0.407061	Y
6	IC 410-557456/17	100.0	37.52492	50.0	818111.0	0.375249	Y
7	IC 410-557456/18	300.0	104.535197	50.0	892453.0	0.348451	Y



Calibration / 1,3-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

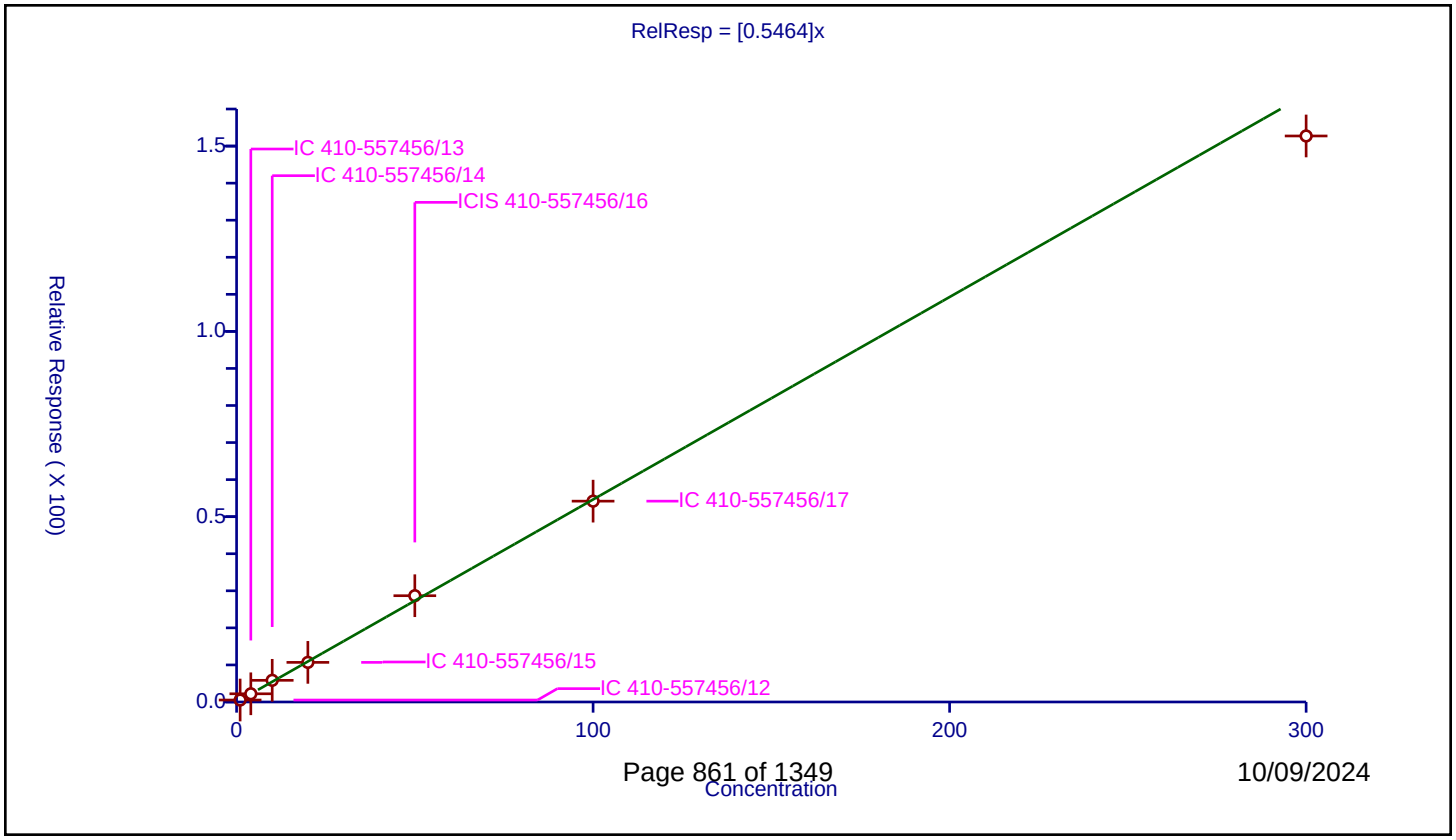
Curve Coefficients

Intercept:	0
Slope:	0.5464

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.0	0.528152	50.0	764363.0	0.528152	Y
2	IC 410-557456/13	4.0	2.210691	50.0	742596.0	0.552673	Y
3	IC 410-557456/14	10.0	5.847955	50.0	802802.0	0.584796	Y
4	IC 410-557456/15	20.0	10.68704	50.0	795660.0	0.534352	Y
5	ICIS 410-557456/16	50.0	28.677519	50.0	784435.0	0.57355	Y
6	IC 410-557456/17	100.0	54.190813	50.0	818111.0	0.541908	Y
7	IC 410-557456/18	300.0	152.727763	50.0	892453.0	0.509093	Y



Calibration / 2-Hexanone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

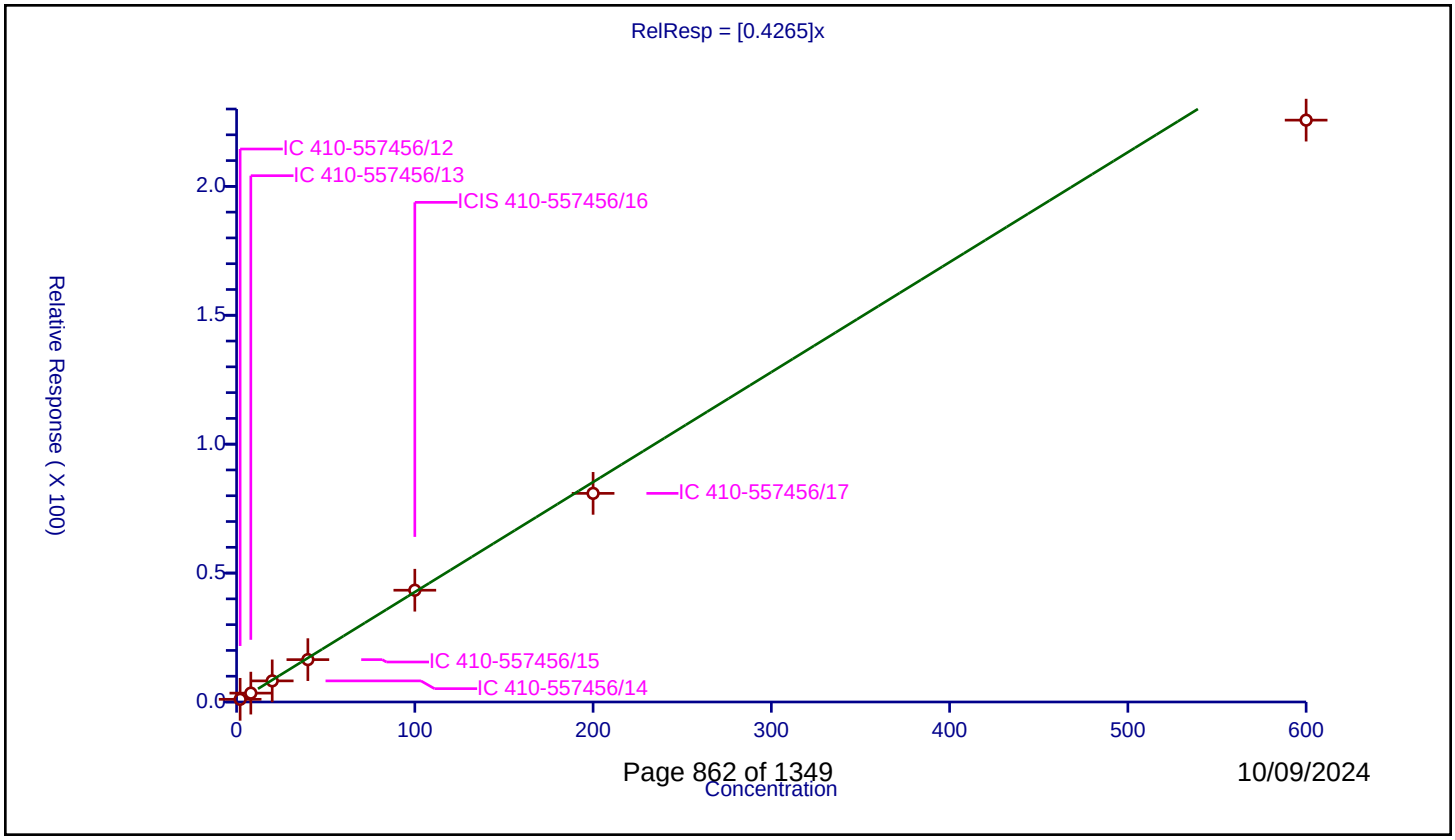
Curve Coefficients

Intercept:	0
Slope:	0.4265

Error Coefficients

Relative Standard Deviation:	10.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	2.0	1.042371	50.0	764363.0	0.521186	Y
2	IC 410-557456/13	8.0	3.439757	50.0	742596.0	0.42997	Y
3	IC 410-557456/14	20.0	8.183836	50.0	802802.0	0.409192	Y
4	IC 410-557456/15	40.0	16.428562	50.0	795660.0	0.410714	Y
5	ICIS 410-557456/16	100.0	43.351584	50.0	784435.0	0.433516	Y
6	IC 410-557456/17	200.0	80.916526	50.0	818111.0	0.404583	Y
7	IC 410-557456/18	600.0	225.691437	50.0	892453.0	0.376152	Y



Calibration / Chlorodibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

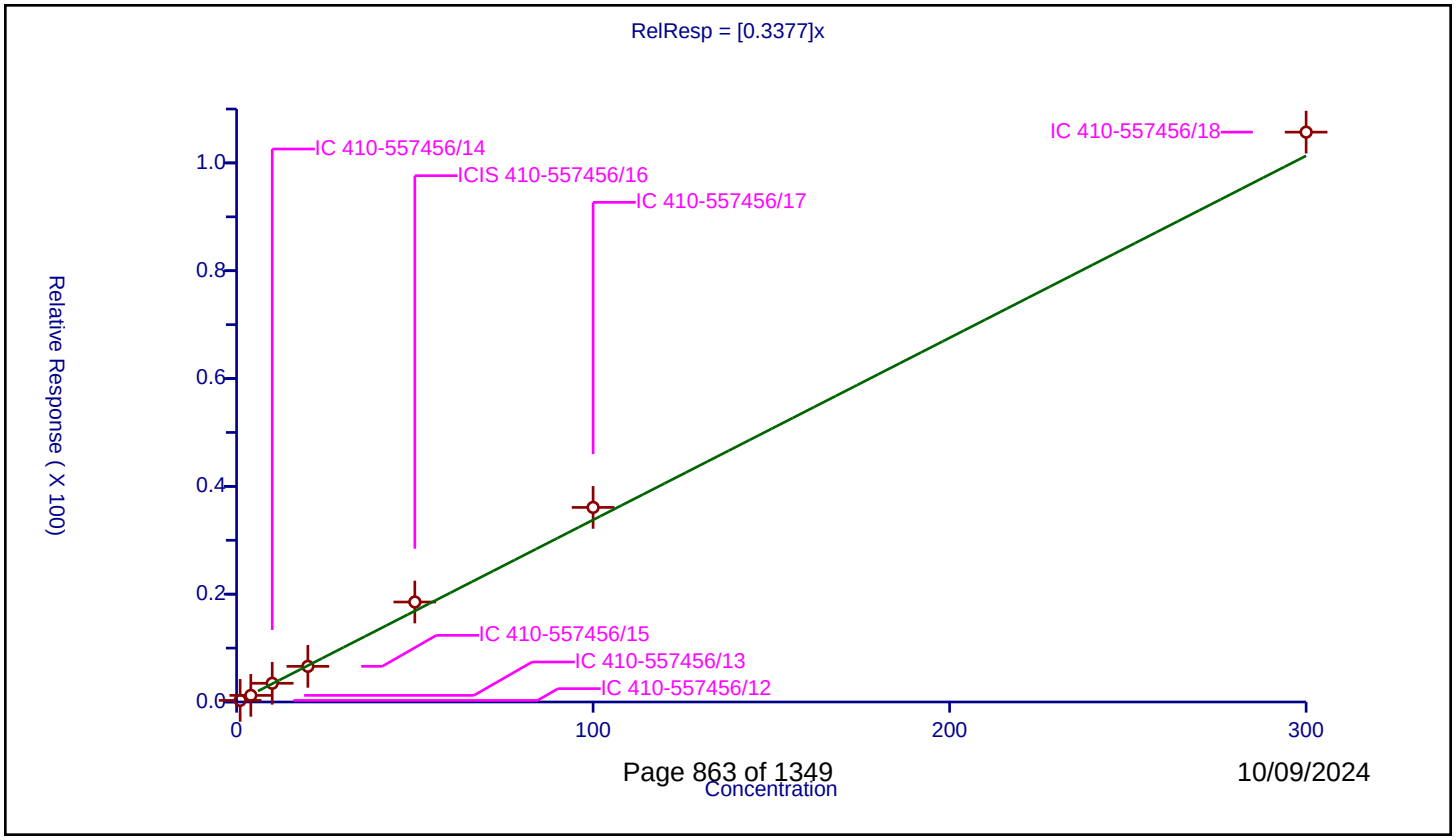
Curve Coefficients

Intercept:	0
Slope:	0.3377

Error Coefficients

Relative Standard Deviation:	8.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.0	0.296194	50.0	764363.0	0.296194	Y
2	IC 410-557456/13	4.0	1.224219	50.0	742596.0	0.306055	Y
3	IC 410-557456/14	10.0	3.471466	50.0	802802.0	0.347147	Y
4	IC 410-557456/15	20.0	6.610236	50.0	795660.0	0.330512	Y
5	ICIS 410-557456/16	50.0	18.549083	50.0	784435.0	0.370982	Y
6	IC 410-557456/17	100.0	36.095408	50.0	818111.0	0.360954	Y
7	IC 410-557456/18	300.0	105.710385	50.0	892453.0	0.352368	Y



Calibration / Ethylene Dibromide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

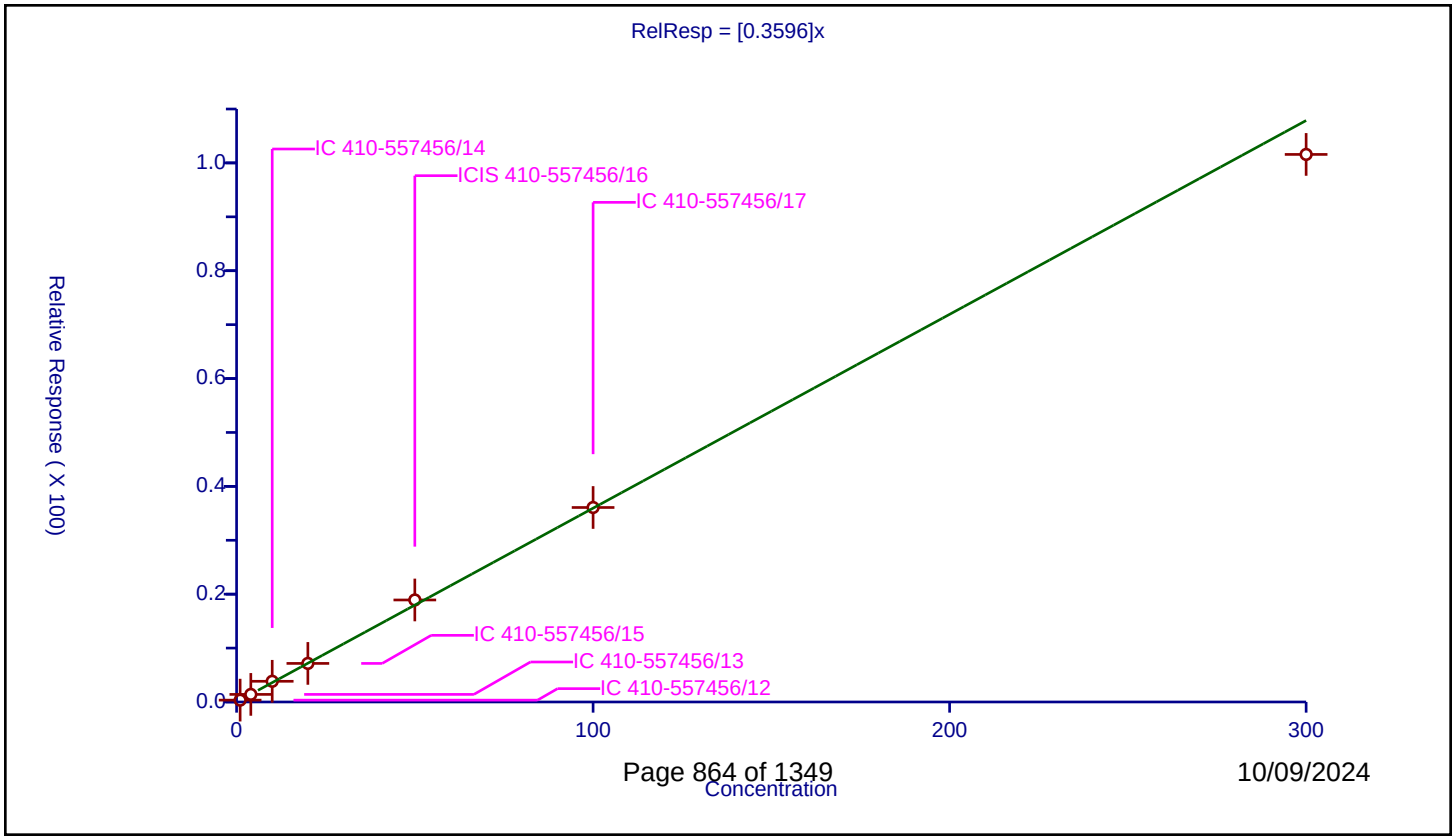
Curve Coefficients

Intercept:	0
Slope:	0.3596

Error Coefficients

Relative Standard Deviation:	4.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.0	0.346105	50.0	764363.0	0.346105	Y
2	IC 410-557456/13	4.0	1.404936	50.0	742596.0	0.351234	Y
3	IC 410-557456/14	10.0	3.838867	50.0	802802.0	0.383887	Y
4	IC 410-557456/15	20.0	7.155695	50.0	795660.0	0.357785	Y
5	ICIS 410-557456/16	50.0	18.924959	50.0	784435.0	0.378499	Y
6	IC 410-557456/17	100.0	36.078051	50.0	818111.0	0.360781	Y
7	IC 410-557456/18	300.0	101.577842	50.0	892453.0	0.338593	Y



Calibration / 1-Chlorohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

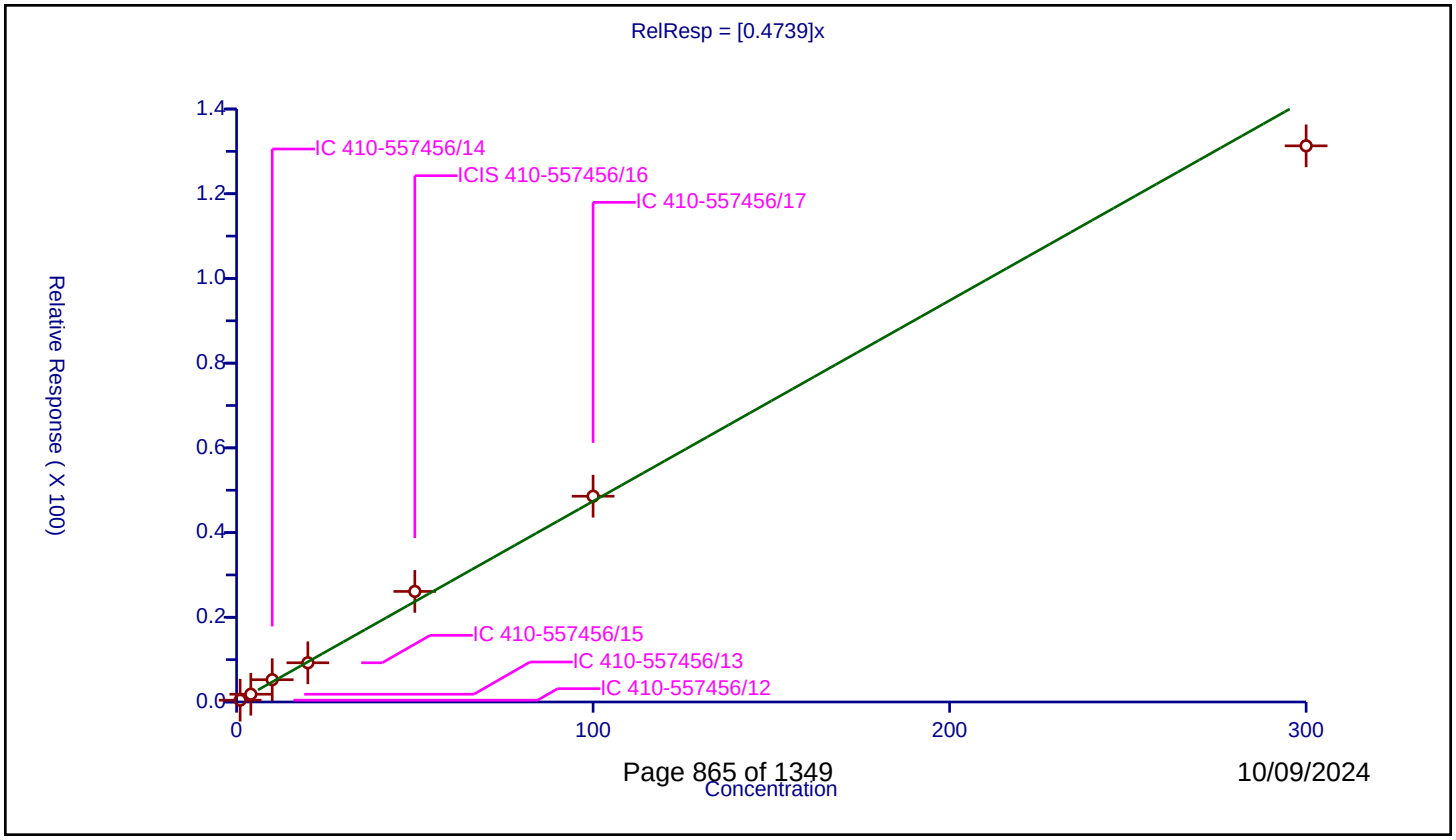
Curve Coefficients

Intercept:	0
Slope:	0.4739

Error Coefficients

Relative Standard Deviation:	8.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.0	0.423752	50.0	764363.0	0.423752	Y
2	IC 410-557456/13	4.0	1.837069	50.0	742596.0	0.459267	Y
3	IC 410-557456/14	10.0	5.261011	50.0	802802.0	0.526101	Y
4	IC 410-557456/15	20.0	9.255398	50.0	795660.0	0.46277	Y
5	ICIS 410-557456/16	50.0	26.107134	50.0	784435.0	0.522143	Y
6	IC 410-557456/17	100.0	48.57996	50.0	818111.0	0.4858	Y
7	IC 410-557456/18	300.0	131.306242	50.0	892453.0	0.437687	Y



Calibration / Chlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

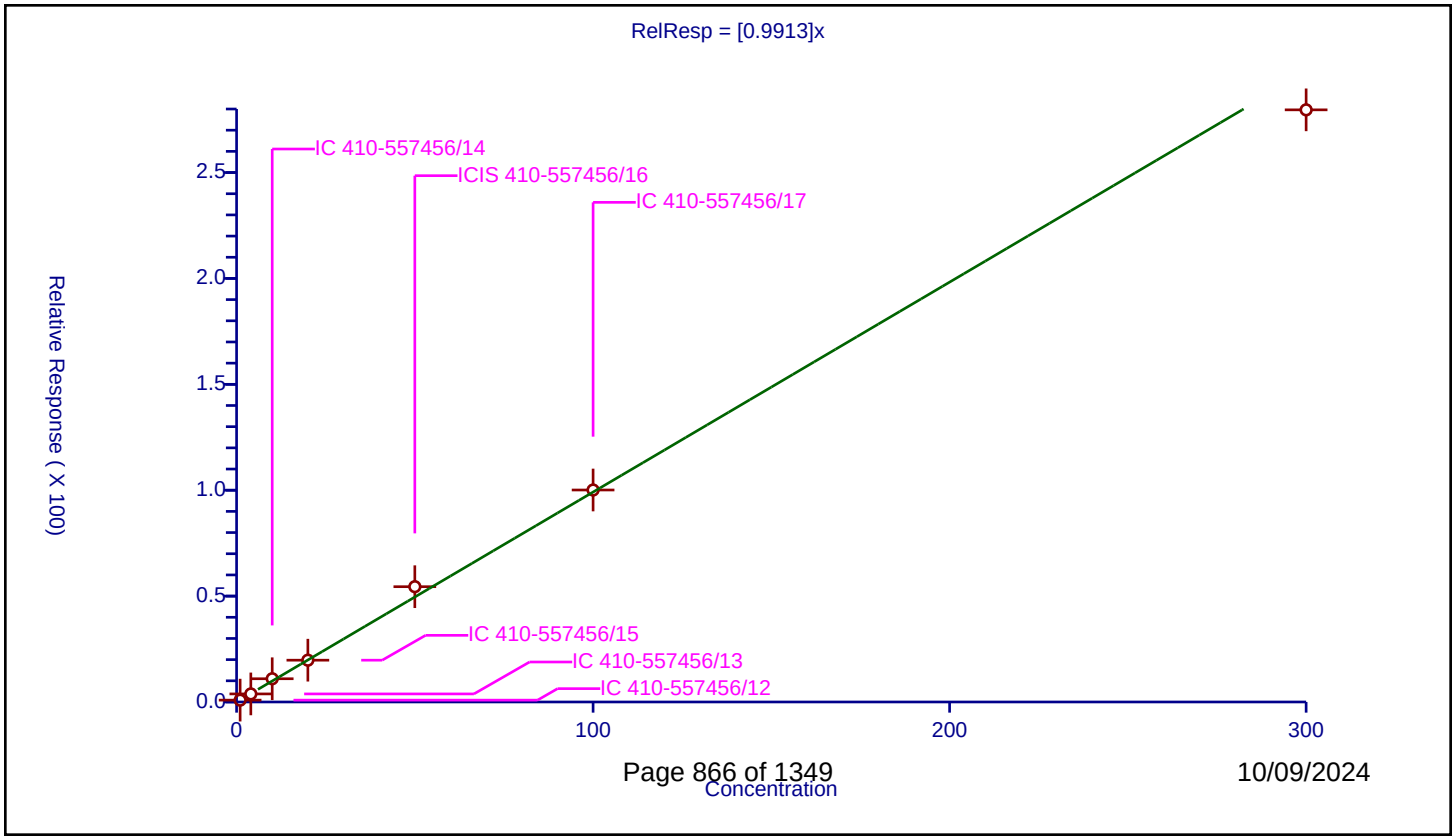
Curve Coefficients

Intercept:	0
Slope:	0.9913

Error Coefficients

Relative Standard Deviation:	8.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.0	0.879294	50.0	764363.0	0.879294	Y
2	IC 410-557456/13	4.0	3.811157	50.0	742596.0	0.952789	Y
3	IC 410-557456/14	10.0	10.979731	50.0	802802.0	1.097973	Y
4	IC 410-557456/15	20.0	19.740153	50.0	795660.0	0.987008	Y
5	ICIS 410-557456/16	50.0	54.442242	50.0	784435.0	1.088845	Y
6	IC 410-557456/17	100.0	100.098092	50.0	818111.0	1.000981	Y
7	IC 410-557456/18	300.0	279.605481	50.0	892453.0	0.932018	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

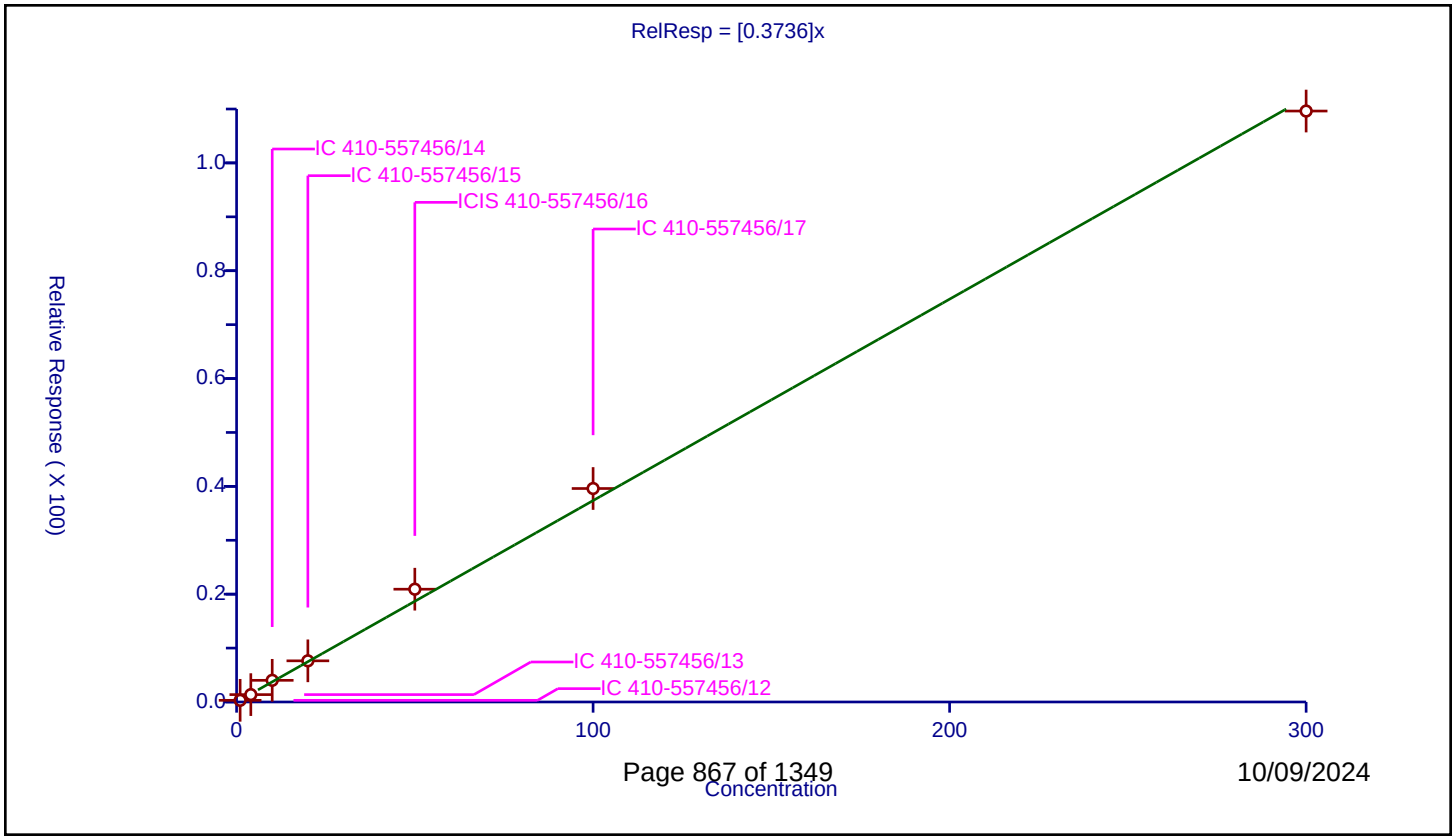
Curve Coefficients

Intercept:	0
Slope:	0.3736

Error Coefficients

Relative Standard Deviation:	10.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.0	0.309604	50.0	764363.0	0.309604	Y
2	IC 410-557456/13	4.0	1.368712	50.0	742596.0	0.342178	Y
3	IC 410-557456/14	10.0	4.021477	50.0	802802.0	0.402148	Y
4	IC 410-557456/15	20.0	7.633474	50.0	795660.0	0.381674	Y
5	ICIS 410-557456/16	50.0	20.921619	50.0	784435.0	0.418432	Y
6	IC 410-557456/17	100.0	39.601717	50.0	818111.0	0.396017	Y
7	IC 410-557456/18	300.0	109.625885	50.0	892453.0	0.36542	Y



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Calibration / Ethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

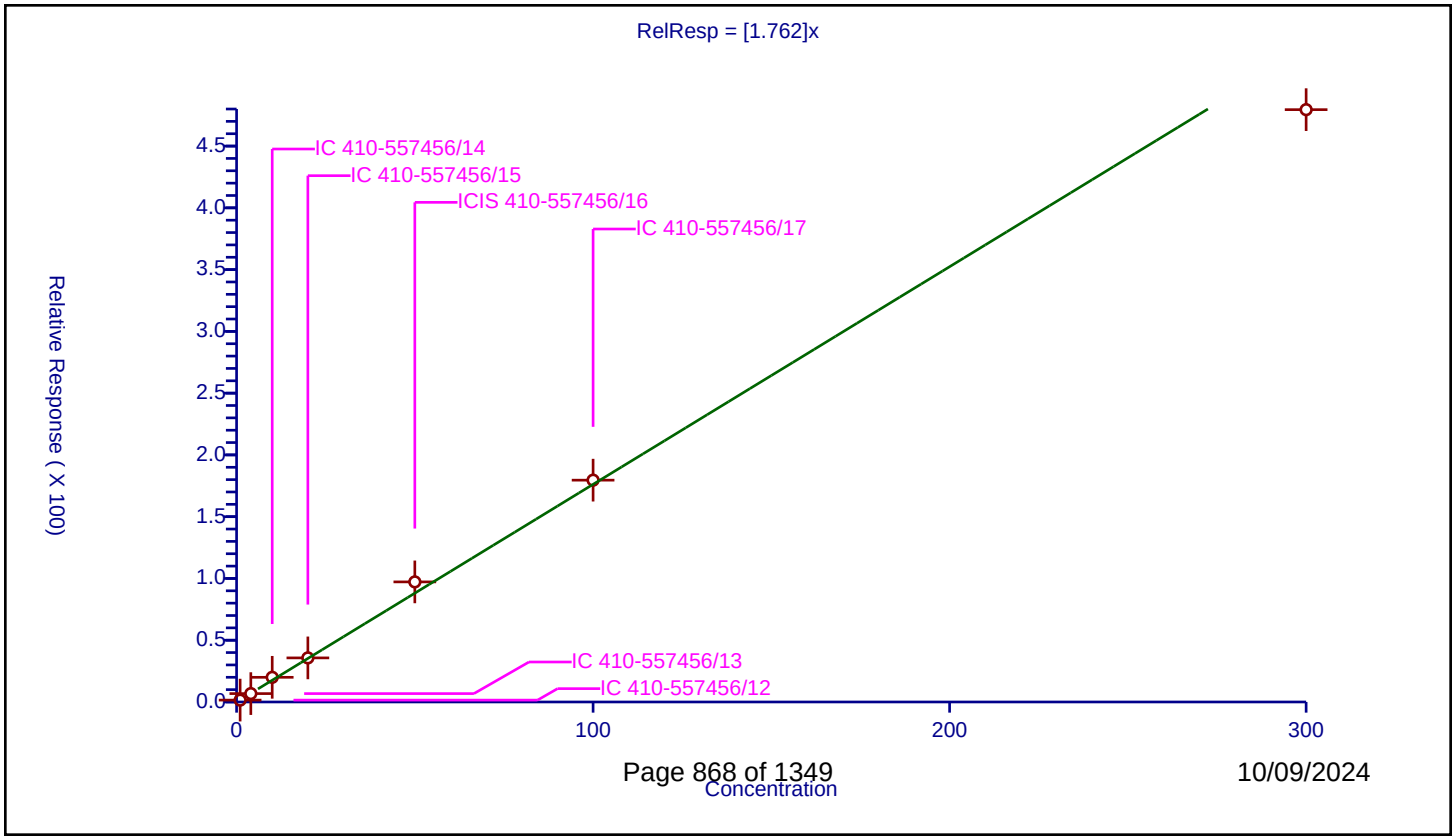
Curve Coefficients

Intercept:	0
Slope:	1.762

Error Coefficients

Relative Standard Deviation:	9.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.0	1.512763	50.0	764363.0	1.512763	Y
2	IC 410-557456/13	4.0	6.798784	50.0	742596.0	1.699696	Y
3	IC 410-557456/14	10.0	19.970989	50.0	802802.0	1.997099	Y
4	IC 410-557456/15	20.0	35.695712	50.0	795660.0	1.784786	Y
5	ICIS 410-557456/16	50.0	97.202828	50.0	784435.0	1.944057	Y
6	IC 410-557456/17	100.0	179.563409	50.0	818111.0	1.795634	Y
7	IC 410-557456/18	300.0	479.47158	50.0	892453.0	1.598239	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

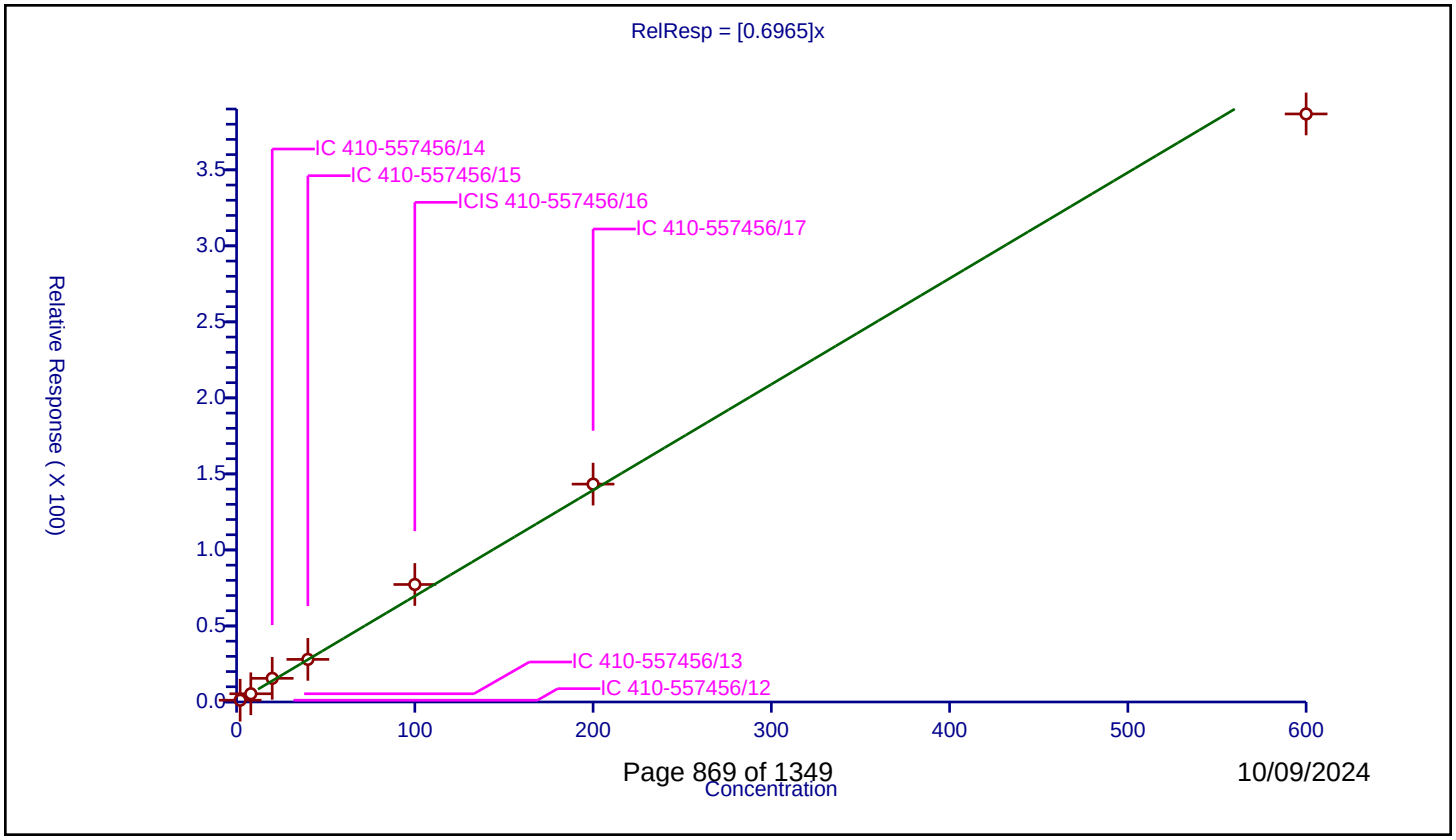
Curve Coefficients

Intercept:	0
Slope:	0.6965

Error Coefficients

Relative Standard Deviation:	9.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	2.0	1.173003	50.0	764363.0	0.586501	Y
2	IC 410-557456/13	8.0	5.407449	50.0	742596.0	0.675931	Y
3	IC 410-557456/14	20.0	15.567164	50.0	802802.0	0.778358	Y
4	IC 410-557456/15	40.0	28.016427	50.0	795660.0	0.700411	Y
5	ICIS 410-557456/16	100.0	77.291554	50.0	784435.0	0.772916	Y
6	IC 410-557456/17	200.0	143.295103	50.0	818111.0	0.716476	Y
7	IC 410-557456/18	600.0	386.748714	50.0	892453.0	0.644581	Y



Calibration / n-Butyl acrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

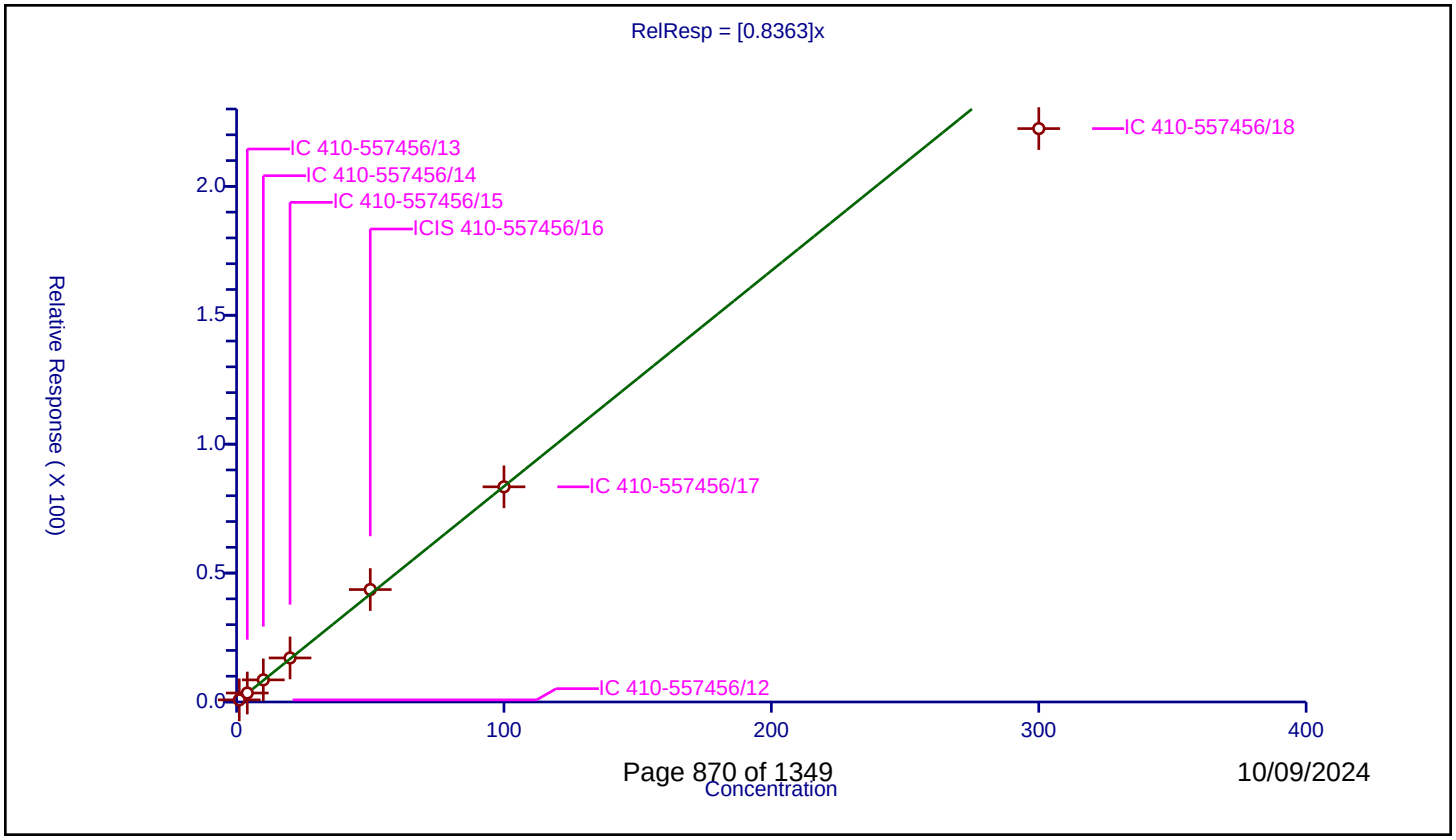
Curve Coefficients

Intercept:	0
Slope:	0.8363

Error Coefficients

Relative Standard Deviation:	5.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.000071	0.823758	50.0	764363.0	0.823699	Y
2	IC 410-557456/13	4.000285	3.482243	50.0	742596.0	0.870499	Y
3	IC 410-557456/14	10.000712	8.577395	50.0	802802.0	0.857678	Y
4	IC 410-557456/15	20.001424	17.083553	50.0	795660.0	0.854117	Y
5	ICIS 410-557456/16	50.00356	43.616488	50.0	784435.0	0.872268	Y
6	IC 410-557456/17	100.00712	83.458602	50.0	818111.0	0.834527	Y
7	IC 410-557456/18	300.02136	222.4102	50.0	892453.0	0.741315	Y



Calibration / o-Xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

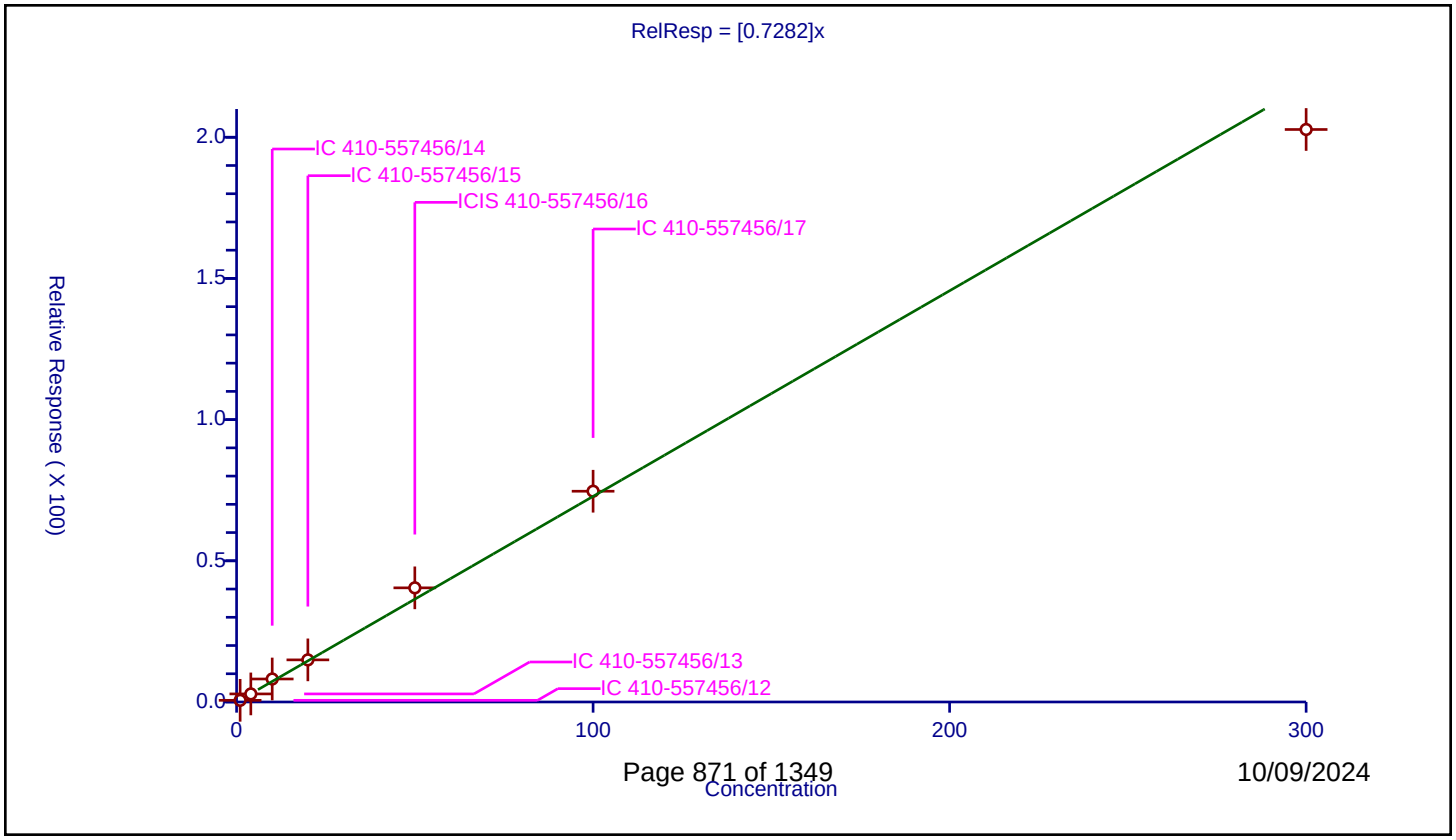
Curve Coefficients

Intercept:	0
Slope:	0.7282

Error Coefficients

Relative Standard Deviation:	10.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.0	0.592977	50.0	764363.0	0.592977	Y
2	IC 410-557456/13	4.0	2.853638	50.0	742596.0	0.713409	Y
3	IC 410-557456/14	10.0	8.143789	50.0	802802.0	0.814379	Y
4	IC 410-557456/15	20.0	14.915353	50.0	795660.0	0.745768	Y
5	ICIS 410-557456/16	50.0	40.421769	50.0	784435.0	0.808435	Y
6	IC 410-557456/17	100.0	74.643416	50.0	818111.0	0.746434	Y
7	IC 410-557456/18	300.0	202.747764	50.0	892453.0	0.675826	Y



Calibration / Styrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

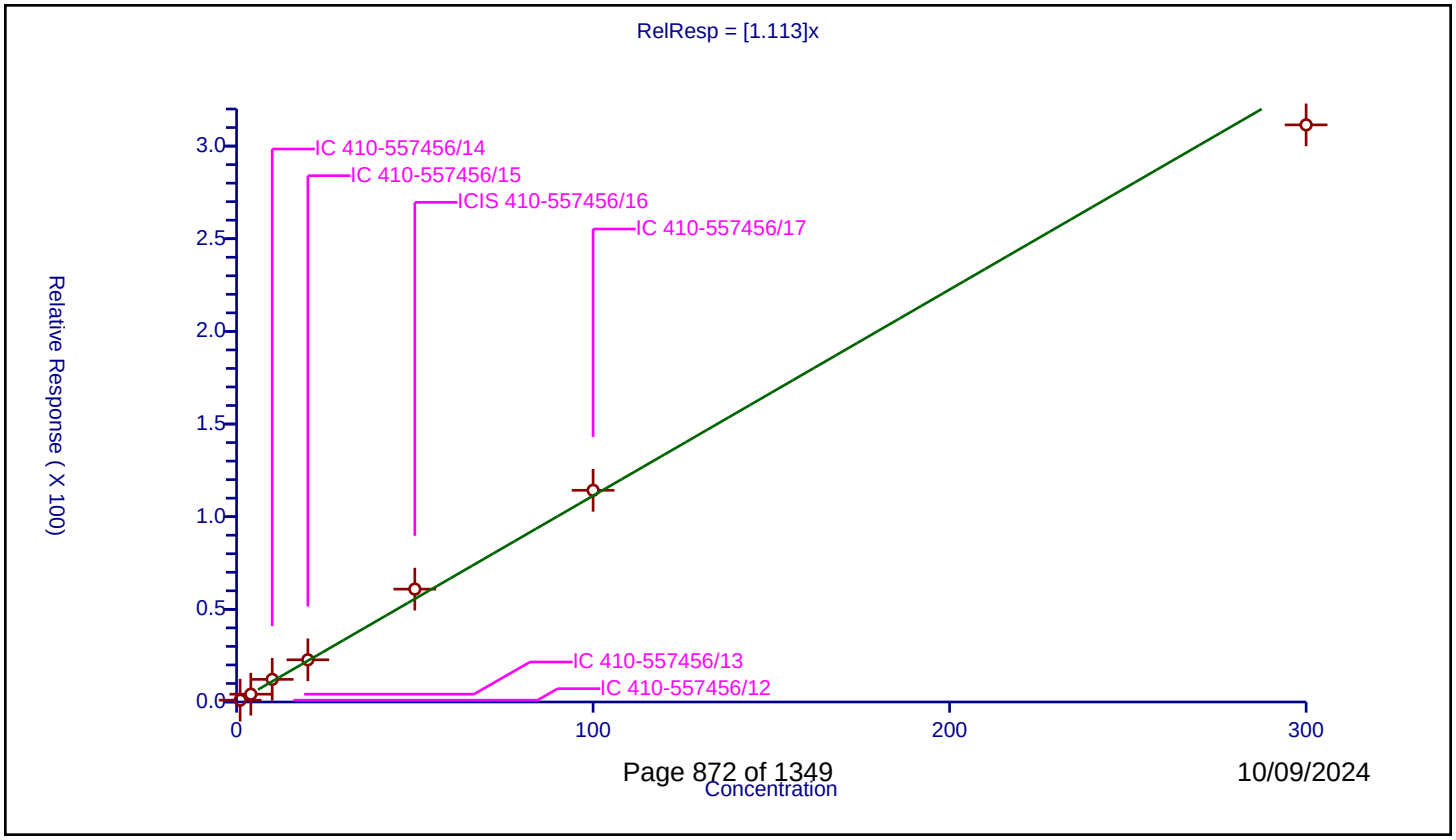
Curve Coefficients

Intercept:	0
Slope:	1.113

Error Coefficients

Relative Standard Deviation:	8.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.0	0.977546	50.0	764363.0	0.977546	Y
2	IC 410-557456/13	4.0	4.214674	50.0	742596.0	1.053668	Y
3	IC 410-557456/14	10.0	12.215964	50.0	802802.0	1.221596	Y
4	IC 410-557456/15	20.0	22.769022	50.0	795660.0	1.138451	Y
5	ICIS 410-557456/16	50.0	60.904218	50.0	784435.0	1.218084	Y
6	IC 410-557456/17	100.0	114.24116	50.0	818111.0	1.142412	Y
7	IC 410-557456/18	300.0	311.441443	50.0	892453.0	1.038138	Y



10/09/2024

Calibration / Bromoform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

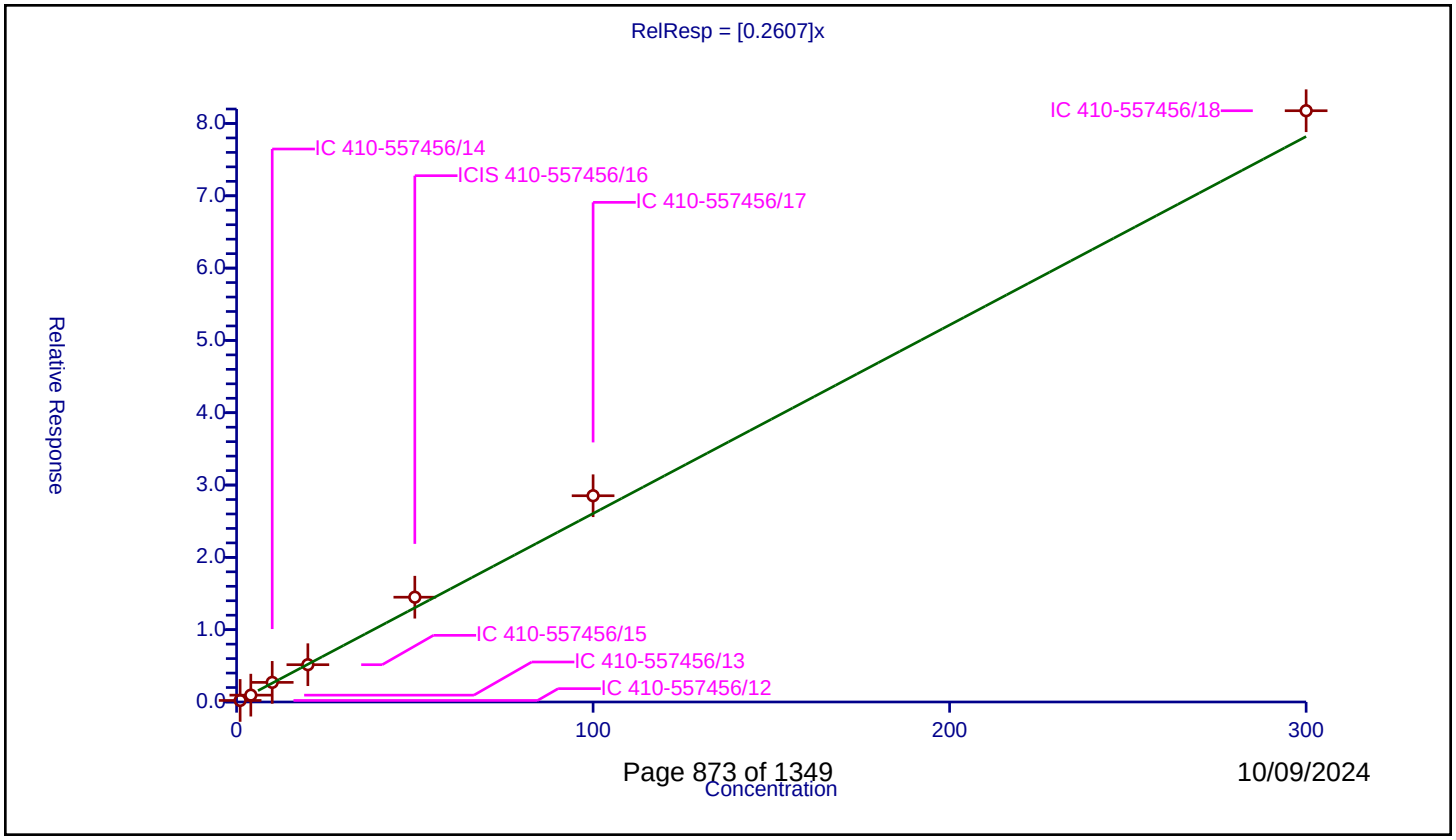
Curve Coefficients

Intercept:	0
Slope:	0.2607

Error Coefficients

Relative Standard Deviation:	10.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.0	0.211549	50.0	764363.0	0.211549	Y
2	IC 410-557456/13	4.0	0.945938	50.0	742596.0	0.236485	Y
3	IC 410-557456/14	10.0	2.711378	50.0	802802.0	0.271138	Y
4	IC 410-557456/15	20.0	5.156977	50.0	795660.0	0.257849	Y
5	ICIS 410-557456/16	50.0	14.490047	50.0	784435.0	0.289801	Y
6	IC 410-557456/17	100.0	28.523085	50.0	818111.0	0.285231	Y
7	IC 410-557456/18	300.0	81.762177	50.0	892453.0	0.272541	Y



Calibration / Isopropylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

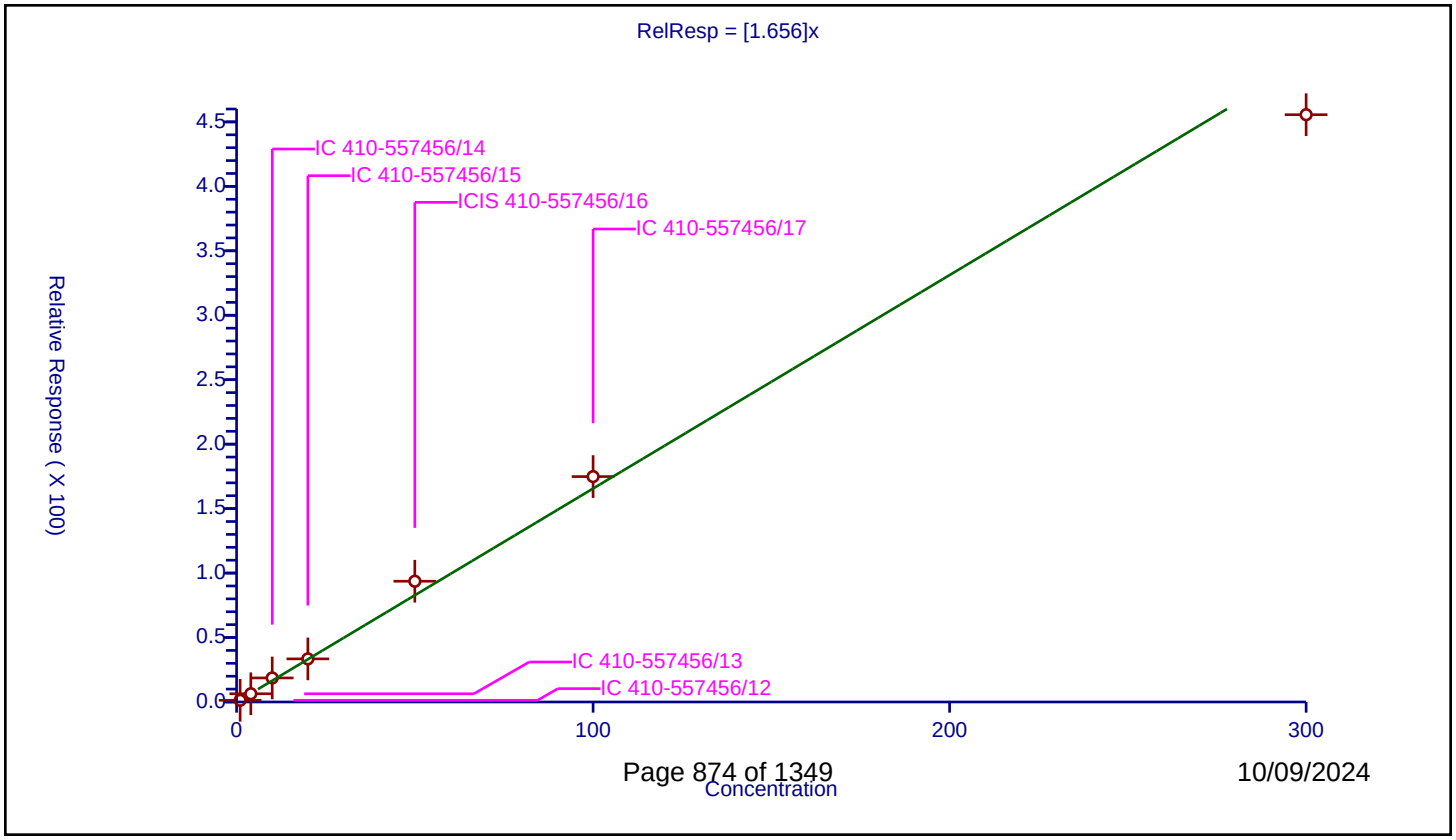
Curve Coefficients

Intercept:	0
Slope:	1.656

Error Coefficients

Relative Standard Deviation:	12.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.0	1.315867	50.0	764363.0	1.315867	Y
2	IC 410-557456/13	4.0	6.391295	50.0	742596.0	1.597824	Y
3	IC 410-557456/14	10.0	18.645071	50.0	802802.0	1.864507	Y
4	IC 410-557456/15	20.0	33.449338	50.0	795660.0	1.672467	Y
5	ICIS 410-557456/16	50.0	93.673472	50.0	784435.0	1.873469	Y
6	IC 410-557456/17	100.0	174.848767	50.0	818111.0	1.748488	Y
7	IC 410-557456/18	300.0	455.596093	50.0	892453.0	1.518654	Y



Calibration / Cyclohexanone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

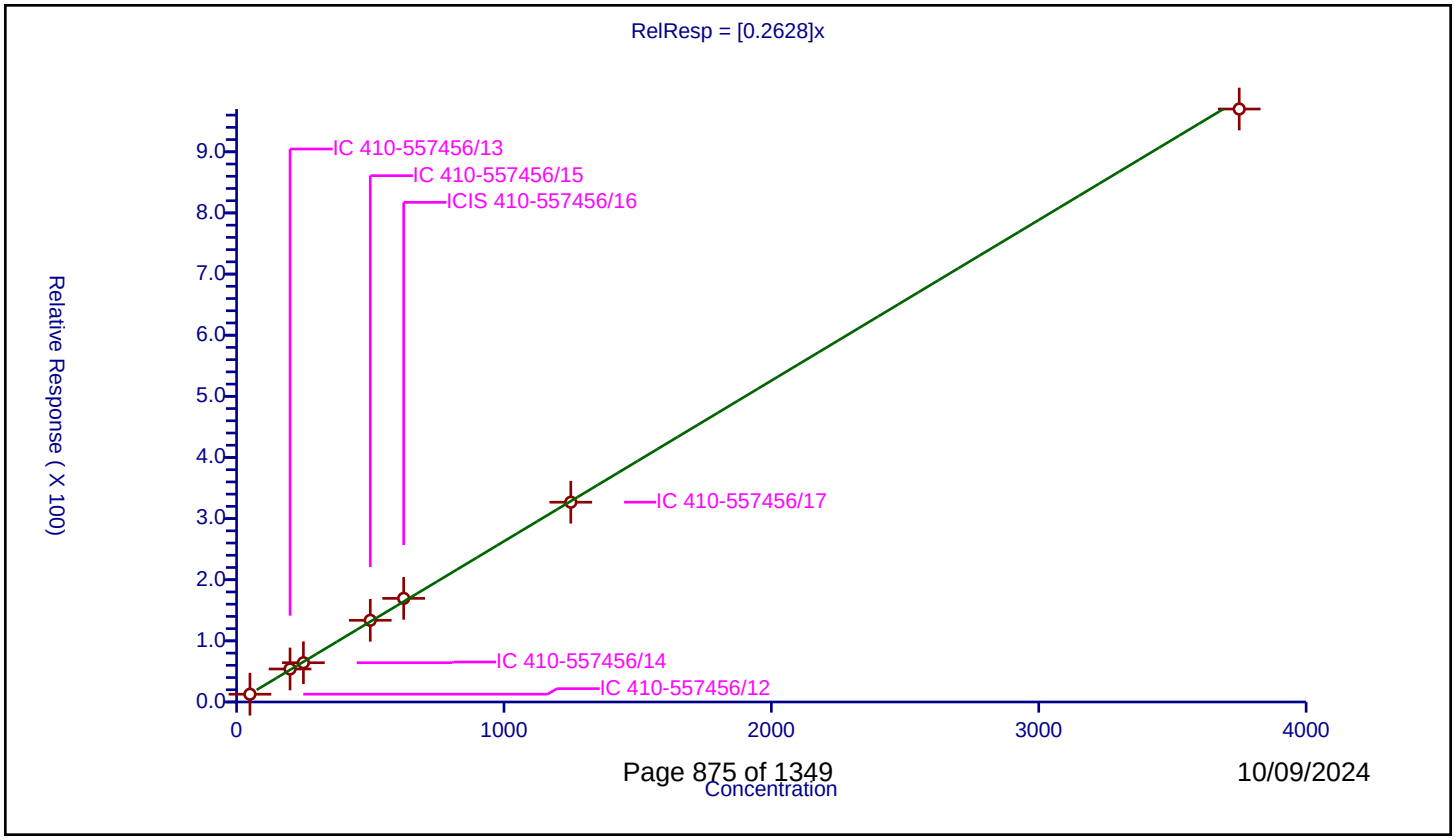
Curve Coefficients

Intercept:	0
Slope:	0.2628

Error Coefficients

Relative Standard Deviation:	2.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	49.998172	12.711227	250.0	325657.0	0.254234	Y
2	IC 410-557456/13	199.992688	54.00131	250.0	311548.0	0.270016	Y
3	IC 410-557456/14	249.99086	64.237308	250.0	339390.0	0.256959	Y
4	IC 410-557456/15	499.98172	133.635899	250.0	326761.0	0.267282	Y
5	ICIS 410-557456/16	624.97715	169.479325	250.0	331685.0	0.271177	Y
6	IC 410-557456/17	1249.9543	326.79745	250.0	356519.0	0.261448	Y
7	IC 410-557456/18	3749.8629	969.982792	250.0	370754.0	0.258672	Y



Calibration / 4-Bromofluorobenzene (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

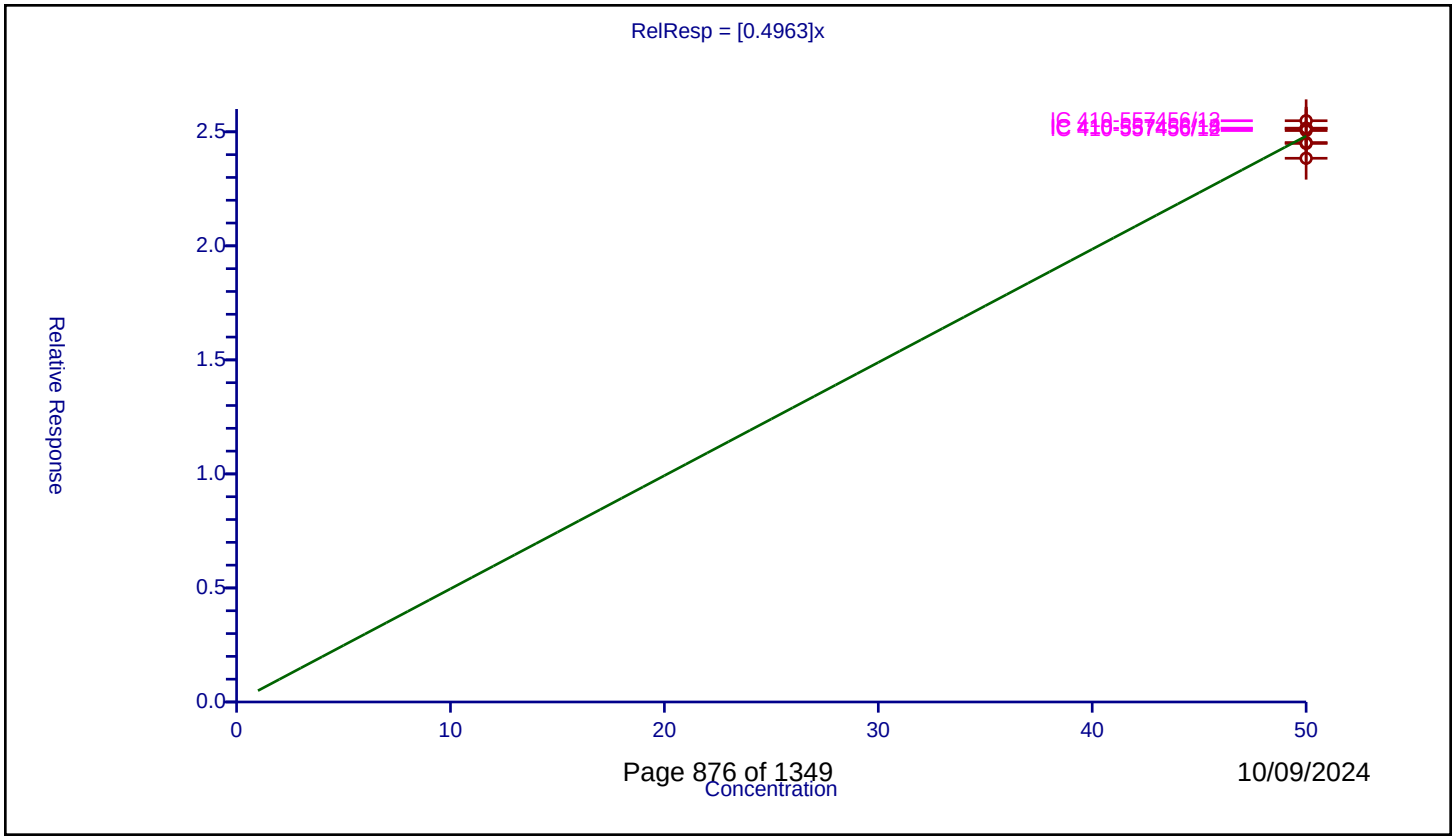
Curve Coefficients

Intercept:	0
Slope:	0.4963

Error Coefficients

Relative Standard Deviation:	2.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	50.0	25.05498	50.0	764363.0	0.5011	Y
2	IC 410-557456/13	50.0	25.486738	50.0	742596.0	0.509735	Y
3	IC 410-557456/14	50.0	25.160189	50.0	802802.0	0.503204	Y
4	IC 410-557456/15	50.0	25.143403	50.0	795660.0	0.502868	Y
5	ICIS 410-557456/16	50.0	24.490493	50.0	784435.0	0.48981	Y
6	IC 410-557456/17	50.0	24.53029	50.0	818111.0	0.490606	Y
7	IC 410-557456/18	50.0	23.840695	50.0	892453.0	0.476814	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

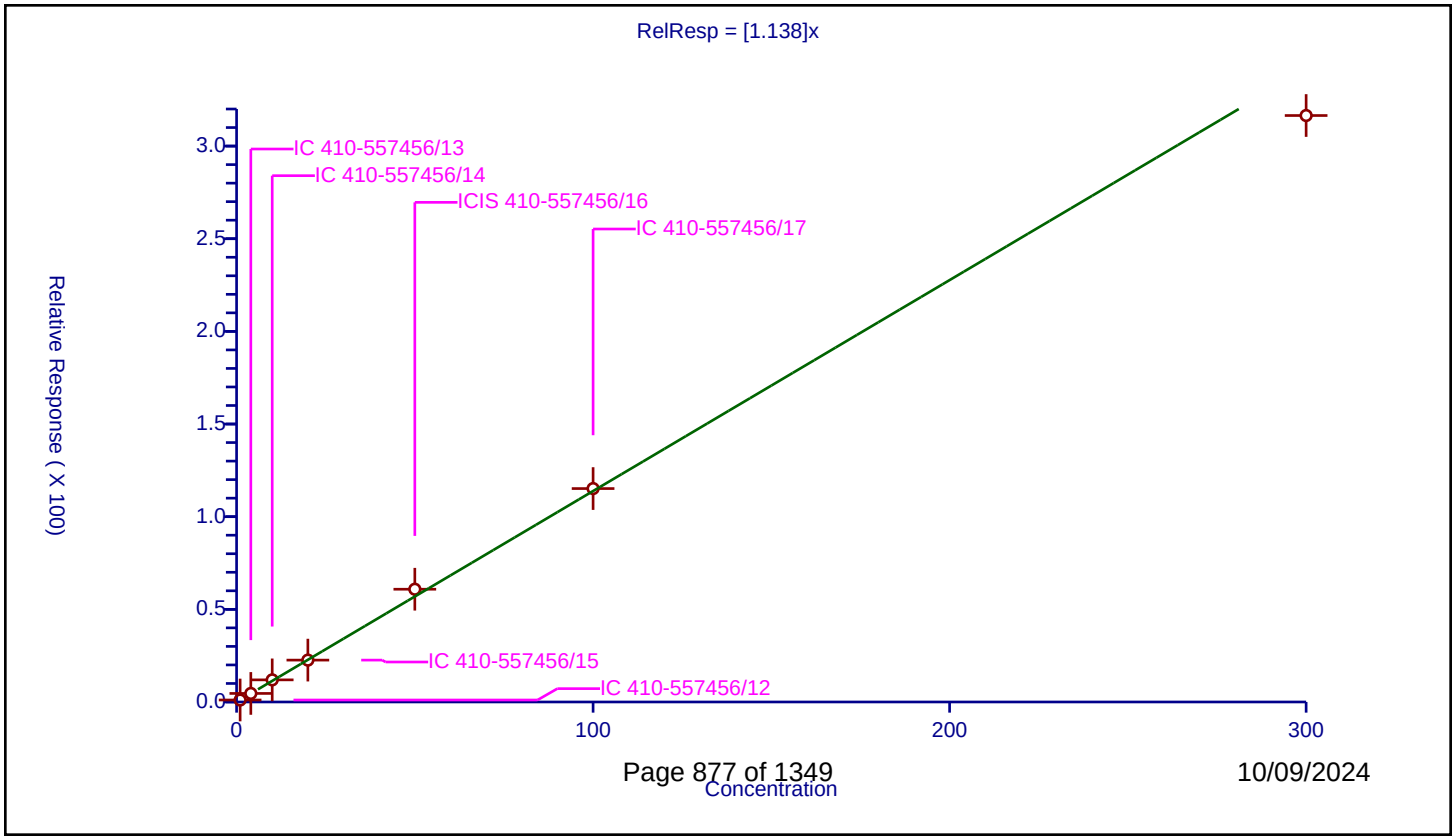
Curve Coefficients

Intercept:	0
Slope:	1.138

Error Coefficients

Relative Standard Deviation:	5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.0	1.067645	50.0	440268.0	1.067645	Y
2	IC 410-557456/13	4.0	4.612324	50.0	435377.0	1.153081	Y
3	IC 410-557456/14	10.0	11.941688	50.0	462443.0	1.194169	Y
4	IC 410-557456/15	20.0	22.598982	50.0	453443.0	1.129949	Y
5	ICIS 410-557456/16	50.0	60.848518	50.0	437516.0	1.21697	Y
6	IC 410-557456/17	100.0	115.180077	50.0	463275.0	1.151801	Y
7	IC 410-557456/18	300.0	316.487447	50.0	487950.0	1.054958	Y



Calibration / Bromobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

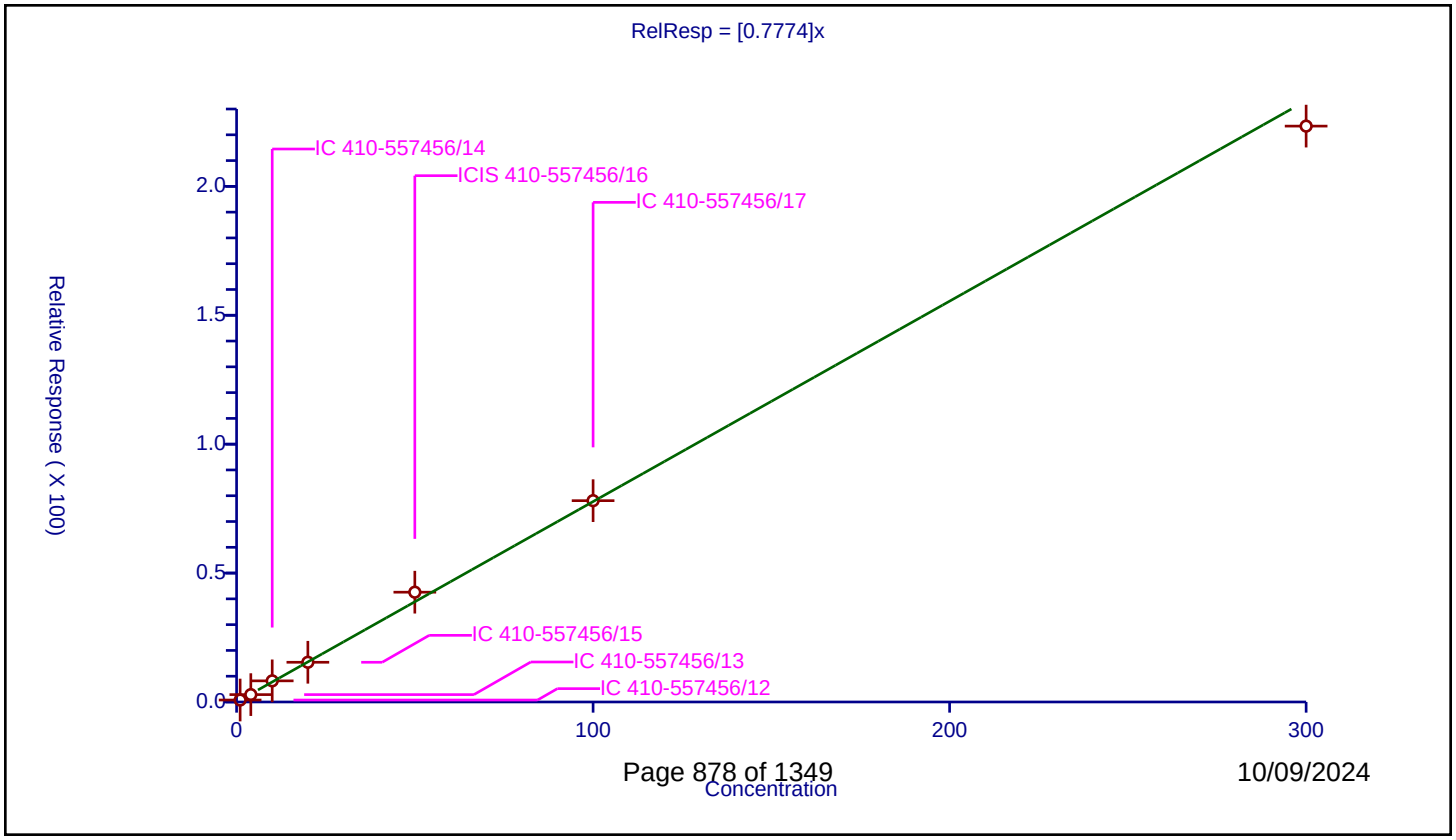
Curve Coefficients

Intercept:	0
Slope:	0.7774

Error Coefficients

Relative Standard Deviation:	5.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.0	0.759083	50.0	440268.0	0.759083	Y
2	IC 410-557456/13	4.0	2.861773	50.0	435377.0	0.715443	Y
3	IC 410-557456/14	10.0	8.195497	50.0	462443.0	0.81955	Y
4	IC 410-557456/15	20.0	15.406898	50.0	453443.0	0.770345	Y
5	ICIS 410-557456/16	50.0	42.5837	50.0	437516.0	0.851674	Y
6	IC 410-557456/17	100.0	78.085694	50.0	463275.0	0.780857	Y
7	IC 410-557456/18	300.0	223.365509	50.0	487950.0	0.744552	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

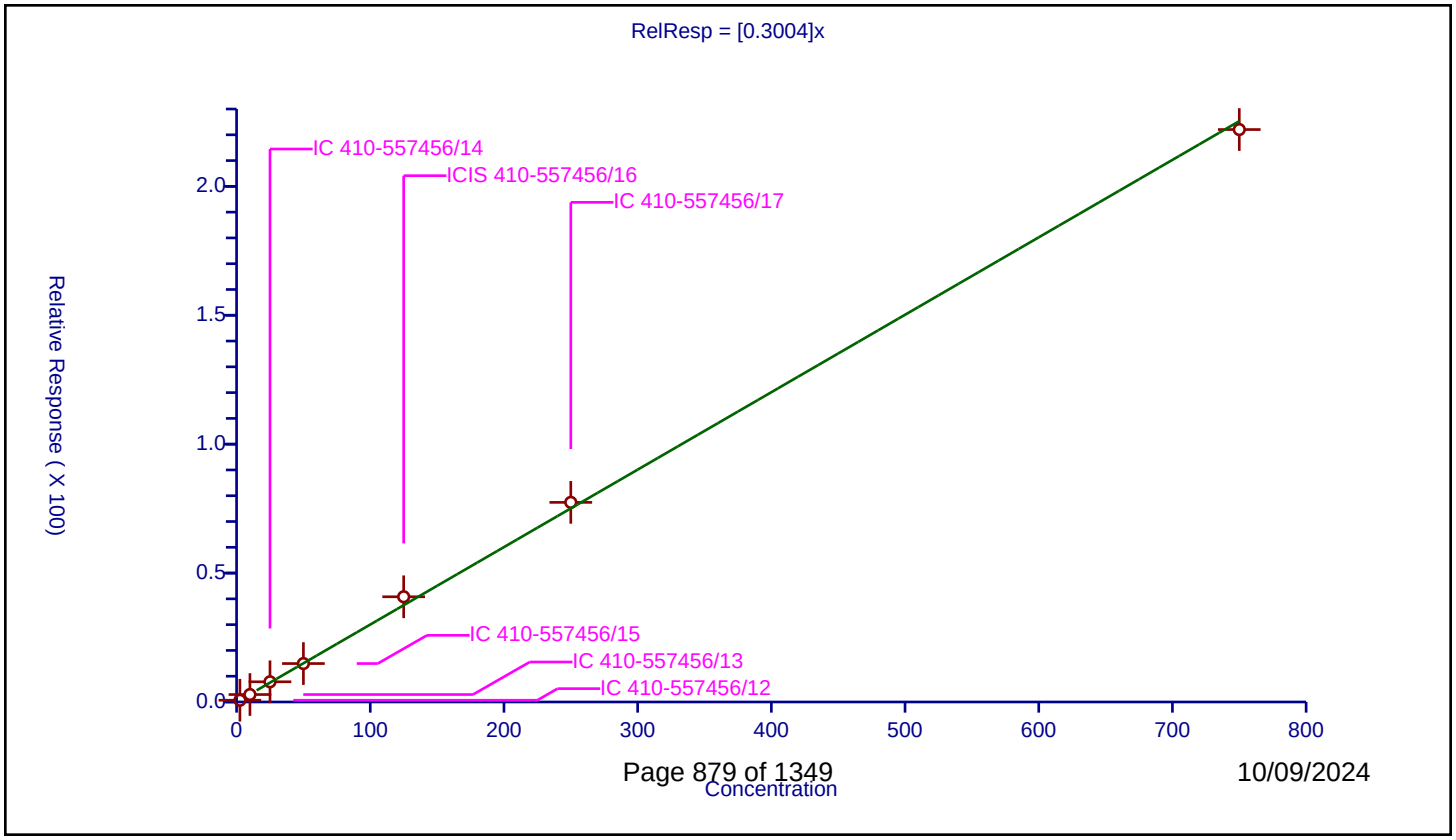
Curve Coefficients

Intercept:	0
Slope:	0.3004

Error Coefficients

Relative Standard Deviation:	6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	2.5	0.675384	50.0	440268.0	0.270154	Y
2	IC 410-557456/13	10.0	2.887842	50.0	435377.0	0.288784	Y
3	IC 410-557456/14	25.0	7.830911	50.0	462443.0	0.313236	Y
4	IC 410-557456/15	50.0	14.91312	50.0	453443.0	0.298262	Y
5	ICIS 410-557456/16	125.0	40.809136	50.0	437516.0	0.326473	Y
6	IC 410-557456/17	250.0	77.425827	50.0	463275.0	0.309703	Y
7	IC 410-557456/18	750.0	222.032893	50.0	487950.0	0.296044	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

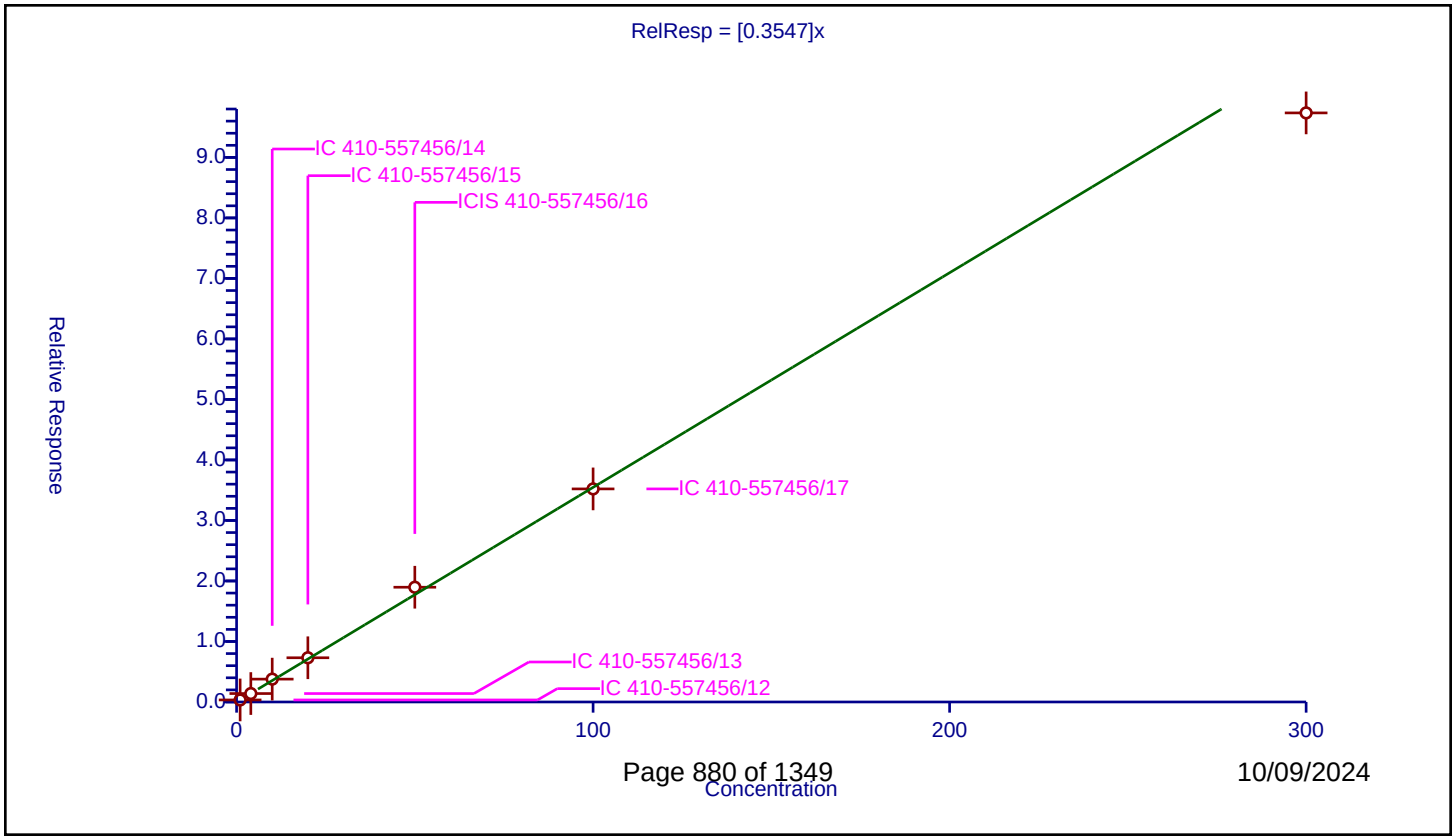
Curve Coefficients

Intercept:	0
Slope:	0.3547

Error Coefficients

Relative Standard Deviation:	5.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.0	0.33525	50.0	440268.0	0.33525	Y
2	IC 410-557456/13	4.0	1.394079	50.0	435377.0	0.34852	Y
3	IC 410-557456/14	10.0	3.777006	50.0	462443.0	0.377701	Y
4	IC 410-557456/15	20.0	7.308967	50.0	453443.0	0.365448	Y
5	ICIS 410-557456/16	50.0	18.966164	50.0	437516.0	0.379323	Y
6	IC 410-557456/17	100.0	35.215045	50.0	463275.0	0.35215	Y
7	IC 410-557456/18	300.0	97.357311	50.0	487950.0	0.324524	Y



Calibration / N-Propylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

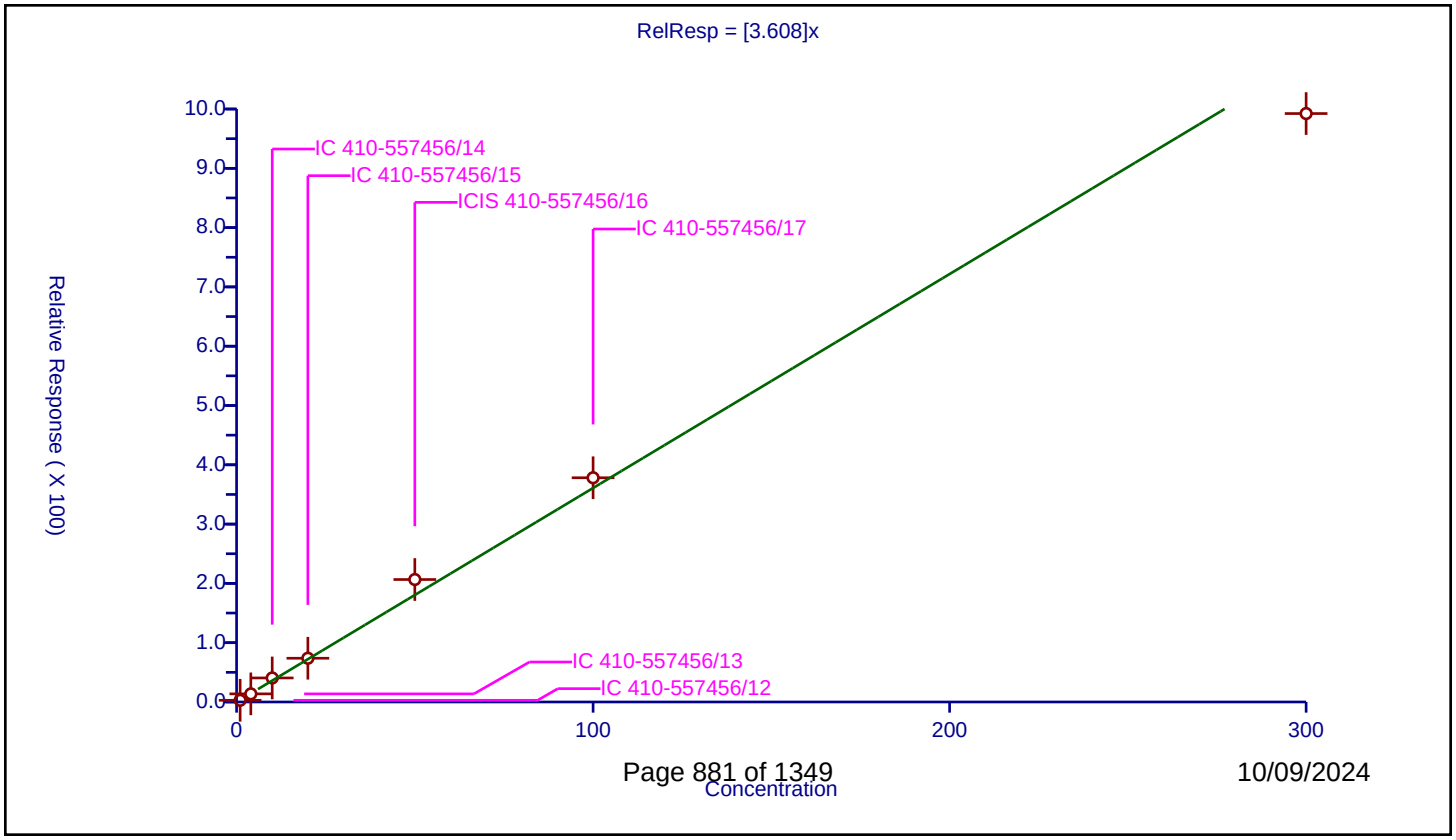
Curve Coefficients

Intercept:	0
Slope:	3.608

Error Coefficients

Relative Standard Deviation:	12.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.0	2.874272	50.0	440268.0	2.874272	Y
2	IC 410-557456/13	4.0	13.692156	50.0	435377.0	3.423039	Y
3	IC 410-557456/14	10.0	40.535698	50.0	462443.0	4.05357	Y
4	IC 410-557456/15	20.0	73.772007	50.0	453443.0	3.6886	Y
5	ICIS 410-557456/16	50.0	206.514847	50.0	437516.0	4.130297	Y
6	IC 410-557456/17	100.0	378.126815	50.0	463275.0	3.781268	Y
7	IC 410-557456/18	300.0	992.35188	50.0	487950.0	3.30784	Y



Calibration / 2-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

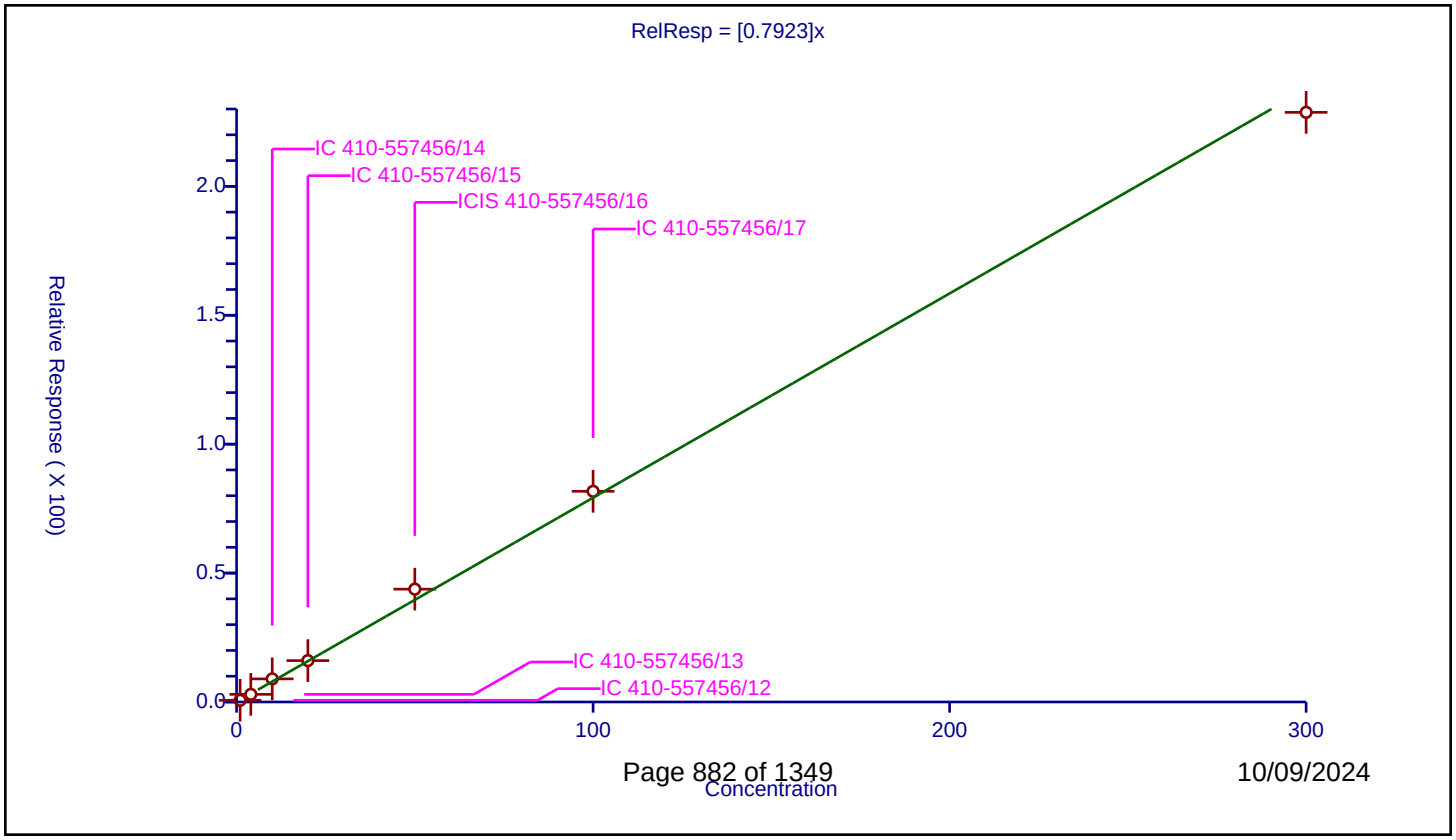
Curve Coefficients

Intercept:	0
Slope:	0.7923

Error Coefficients

Relative Standard Deviation:	10.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.0	0.65233	50.0	440268.0	0.65233	Y
2	IC 410-557456/13	4.0	2.961571	50.0	435377.0	0.740393	Y
3	IC 410-557456/14	10.0	8.957645	50.0	462443.0	0.895764	Y
4	IC 410-557456/15	20.0	16.049316	50.0	453443.0	0.802466	Y
5	ICIS 410-557456/16	50.0	43.772799	50.0	437516.0	0.875456	Y
6	IC 410-557456/17	100.0	81.727807	50.0	463275.0	0.817278	Y
7	IC 410-557456/18	300.0	228.702019	50.0	487950.0	0.76234	Y



10/09/2024

Calibration / 1,3,5-Trimethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

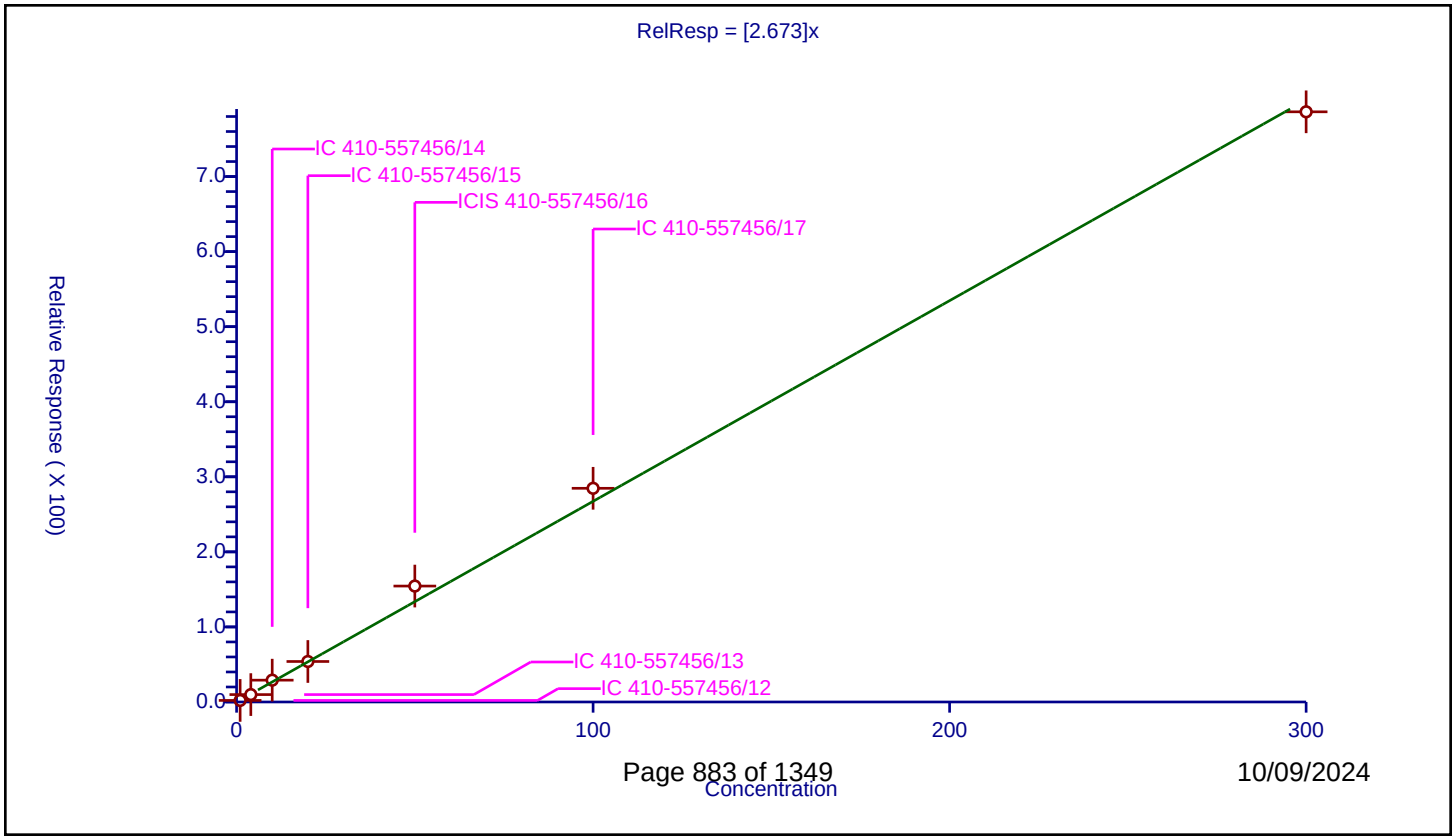
Curve Coefficients

Intercept:	0
Slope:	2.673

Error Coefficients

Relative Standard Deviation:	12.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.0	2.083504	50.0	440268.0	2.083504	Y
2	IC 410-557456/13	4.0	9.869952	50.0	435377.0	2.467488	Y
3	IC 410-557456/14	10.0	29.080881	50.0	462443.0	2.908088	Y
4	IC 410-557456/15	20.0	53.950882	50.0	453443.0	2.697544	Y
5	ICIS 410-557456/16	50.0	154.463037	50.0	437516.0	3.089261	Y
6	IC 410-557456/17	100.0	284.689439	50.0	463275.0	2.846894	Y
7	IC 410-557456/18	300.0	786.284353	50.0	487950.0	2.620948	Y



Calibration / 4-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

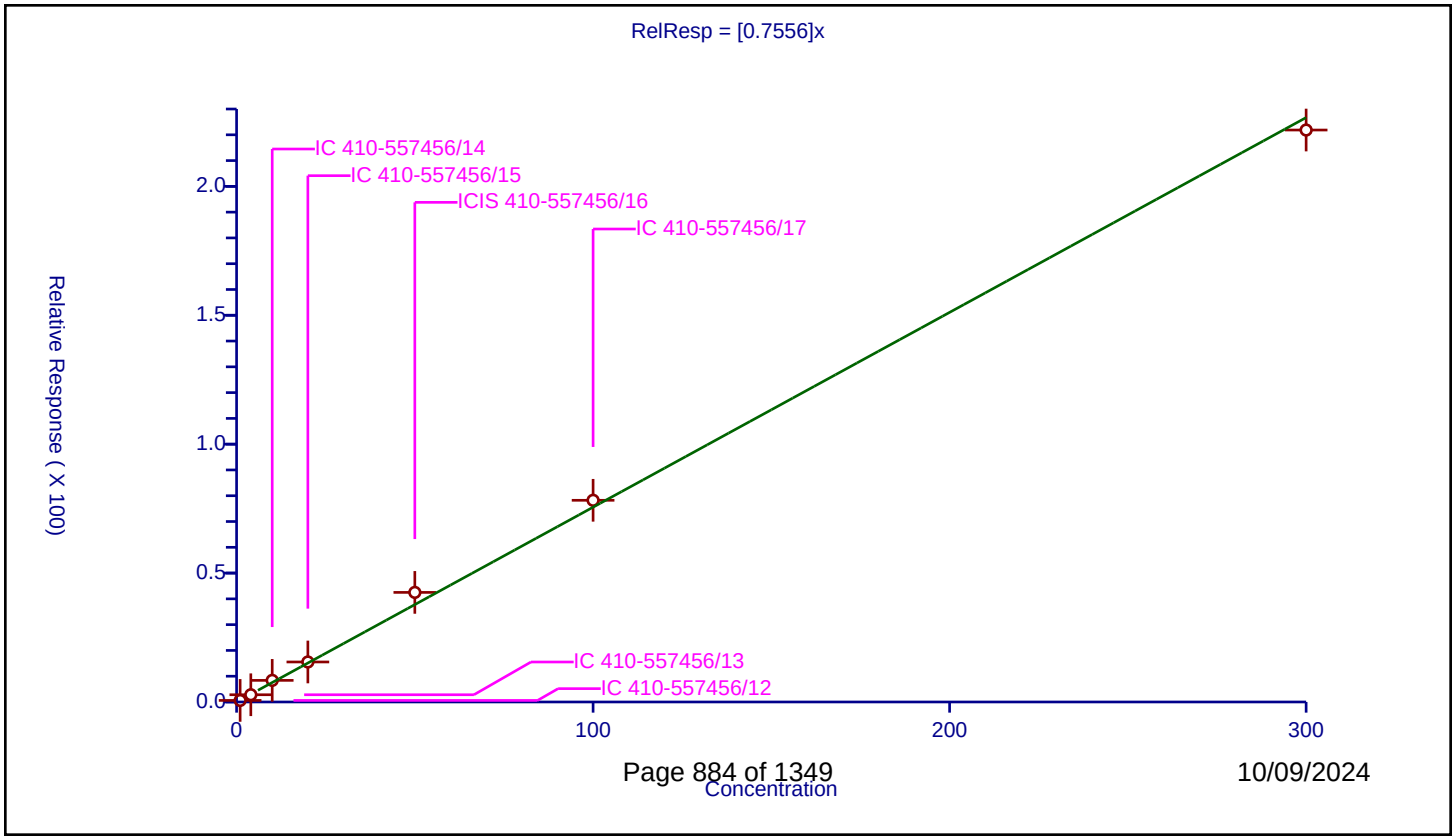
Curve Coefficients

Intercept:	0
Slope:	0.7556

Error Coefficients

Relative Standard Deviation:	11.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.0	0.599975	50.0	440268.0	0.599975	Y
2	IC 410-557456/13	4.0	2.811471	50.0	435377.0	0.702868	Y
3	IC 410-557456/14	10.0	8.384277	50.0	462443.0	0.838428	Y
4	IC 410-557456/15	20.0	15.520363	50.0	453443.0	0.776018	Y
5	ICIS 410-557456/16	50.0	42.503703	50.0	437516.0	0.850074	Y
6	IC 410-557456/17	100.0	78.236792	50.0	463275.0	0.782368	Y
7	IC 410-557456/18	300.0	221.846296	50.0	487950.0	0.739488	Y



Calibration / tert-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

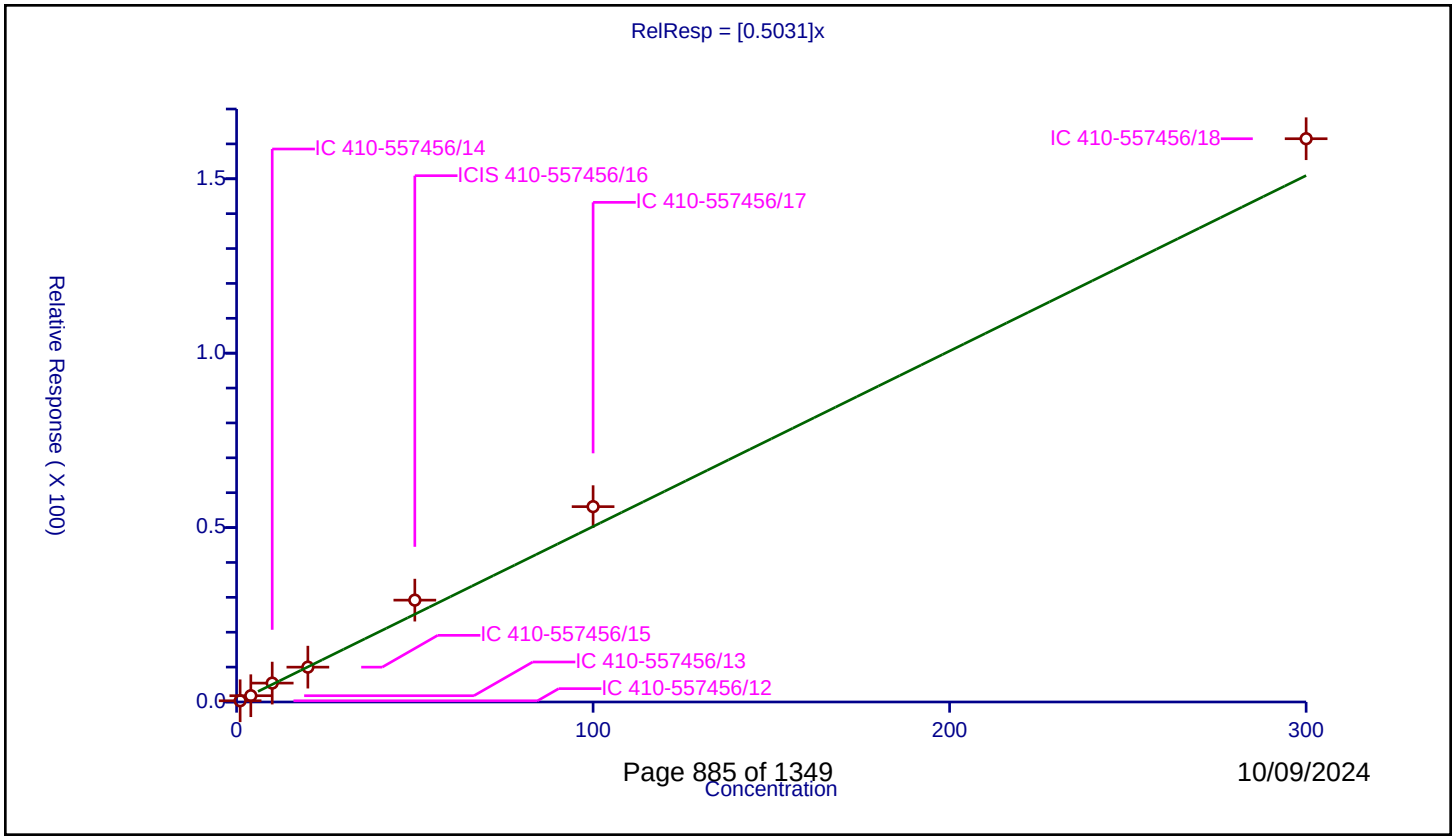
Curve Coefficients

Intercept:	0
Slope:	0.5031

Error Coefficients

Relative Standard Deviation:	16.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.0	0.348538	50.0	440268.0	0.348538	Y
2	IC 410-557456/13	4.0	1.798441	50.0	435377.0	0.44961	Y
3	IC 410-557456/14	10.0	5.418614	50.0	462443.0	0.541861	Y
4	IC 410-557456/15	20.0	9.985268	50.0	453443.0	0.499263	Y
5	ICIS 410-557456/16	50.0	29.203275	50.0	437516.0	0.584065	Y
6	IC 410-557456/17	100.0	56.004533	50.0	463275.0	0.560045	Y
7	IC 410-557456/18	300.0	161.479967	50.0	487950.0	0.538267	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

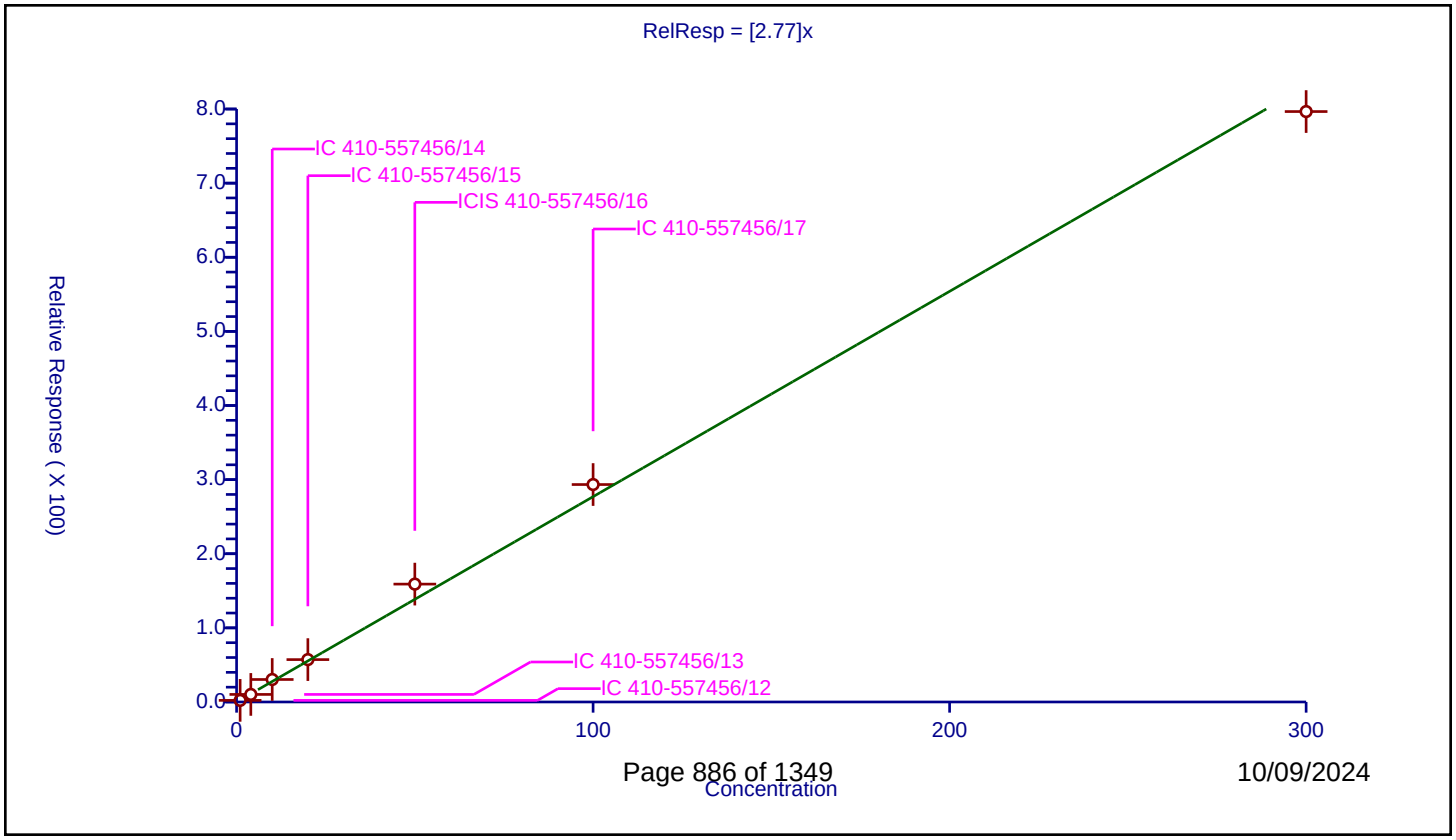
Curve Coefficients

Intercept:	0
Slope:	2.77

Error Coefficients

Relative Standard Deviation:	12.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.0	2.174812	50.0	440268.0	2.174812	Y
2	IC 410-557456/13	4.0	10.198632	50.0	435377.0	2.549658	Y
3	IC 410-557456/14	10.0	30.349903	50.0	462443.0	3.03499	Y
4	IC 410-557456/15	20.0	57.201787	50.0	453443.0	2.860089	Y
5	ICIS 410-557456/16	50.0	159.03487	50.0	437516.0	3.180697	Y
6	IC 410-557456/17	100.0	293.381685	50.0	463275.0	2.933817	Y
7	IC 410-557456/18	300.0	796.593401	50.0	487950.0	2.655311	Y



Calibration / sec-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

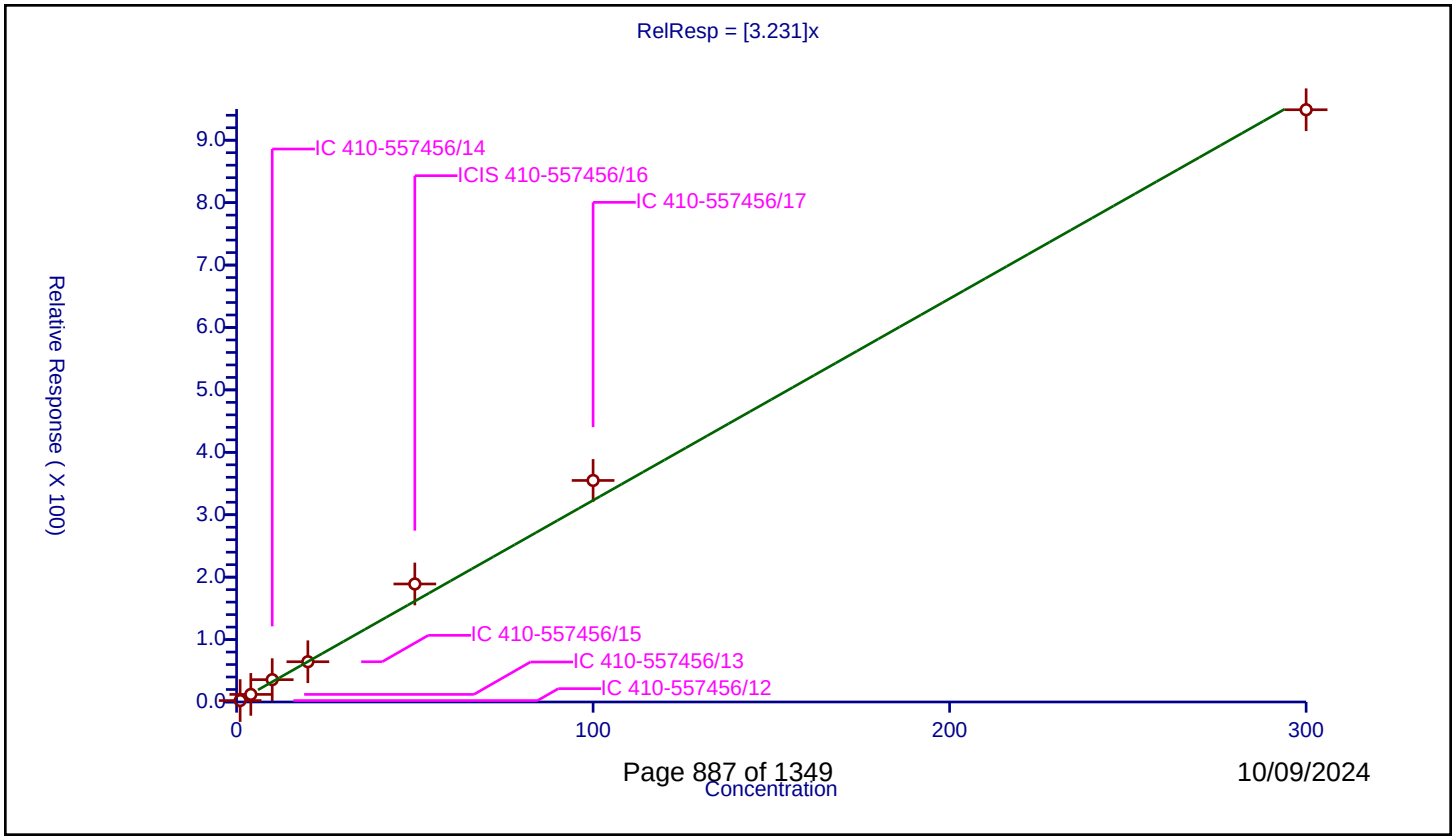
Curve Coefficients

Intercept:	0
Slope:	3.231

Error Coefficients

Relative Standard Deviation:	15.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.0	2.28554	50.0	440268.0	2.28554	Y
2	IC 410-557456/13	4.0	12.136378	50.0	435377.0	3.034095	Y
3	IC 410-557456/14	10.0	35.780085	50.0	462443.0	3.578009	Y
4	IC 410-557456/15	20.0	64.496089	50.0	453443.0	3.224804	Y
5	ICIS 410-557456/16	50.0	189.073885	50.0	437516.0	3.781478	Y
6	IC 410-557456/17	100.0	354.932168	50.0	463275.0	3.549322	Y
7	IC 410-557456/18	300.0	948.852956	50.0	487950.0	3.162843	Y



Calibration / 1,3-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

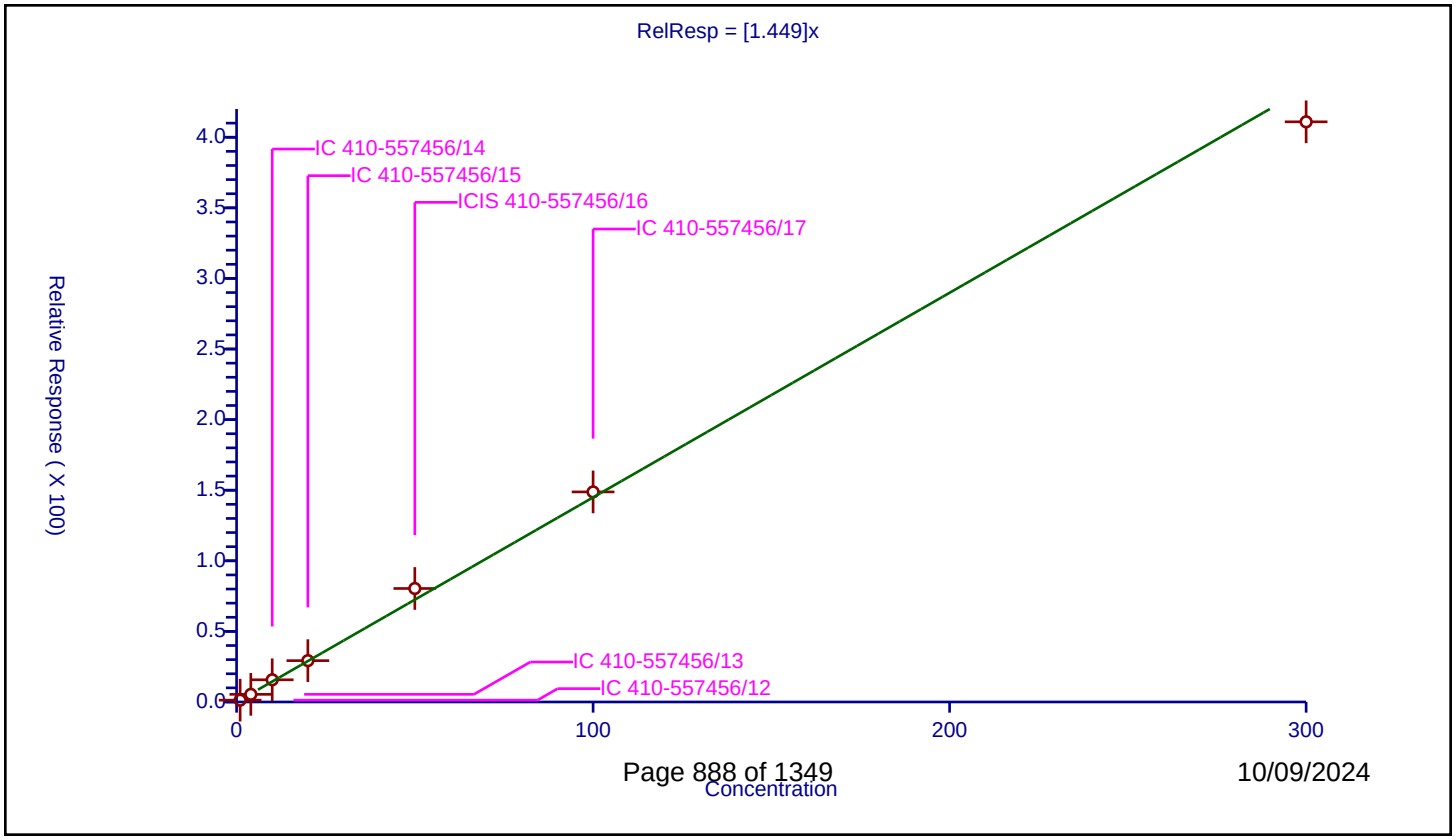
Curve Coefficients

Intercept:	0
Slope:	1.449

Error Coefficients

Relative Standard Deviation:	8.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.0	1.291032	50.0	440268.0	1.291032	Y
2	IC 410-557456/13	4.0	5.405315	50.0	435377.0	1.351329	Y
3	IC 410-557456/14	10.0	15.724641	50.0	462443.0	1.572464	Y
4	IC 410-557456/15	20.0	29.283725	50.0	453443.0	1.464186	Y
5	ICIS 410-557456/16	50.0	80.393631	50.0	437516.0	1.607873	Y
6	IC 410-557456/17	100.0	148.782904	50.0	463275.0	1.487829	Y
7	IC 410-557456/18	300.0	410.928476	50.0	487950.0	1.369762	Y



Calibration / 4-Isopropyltoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

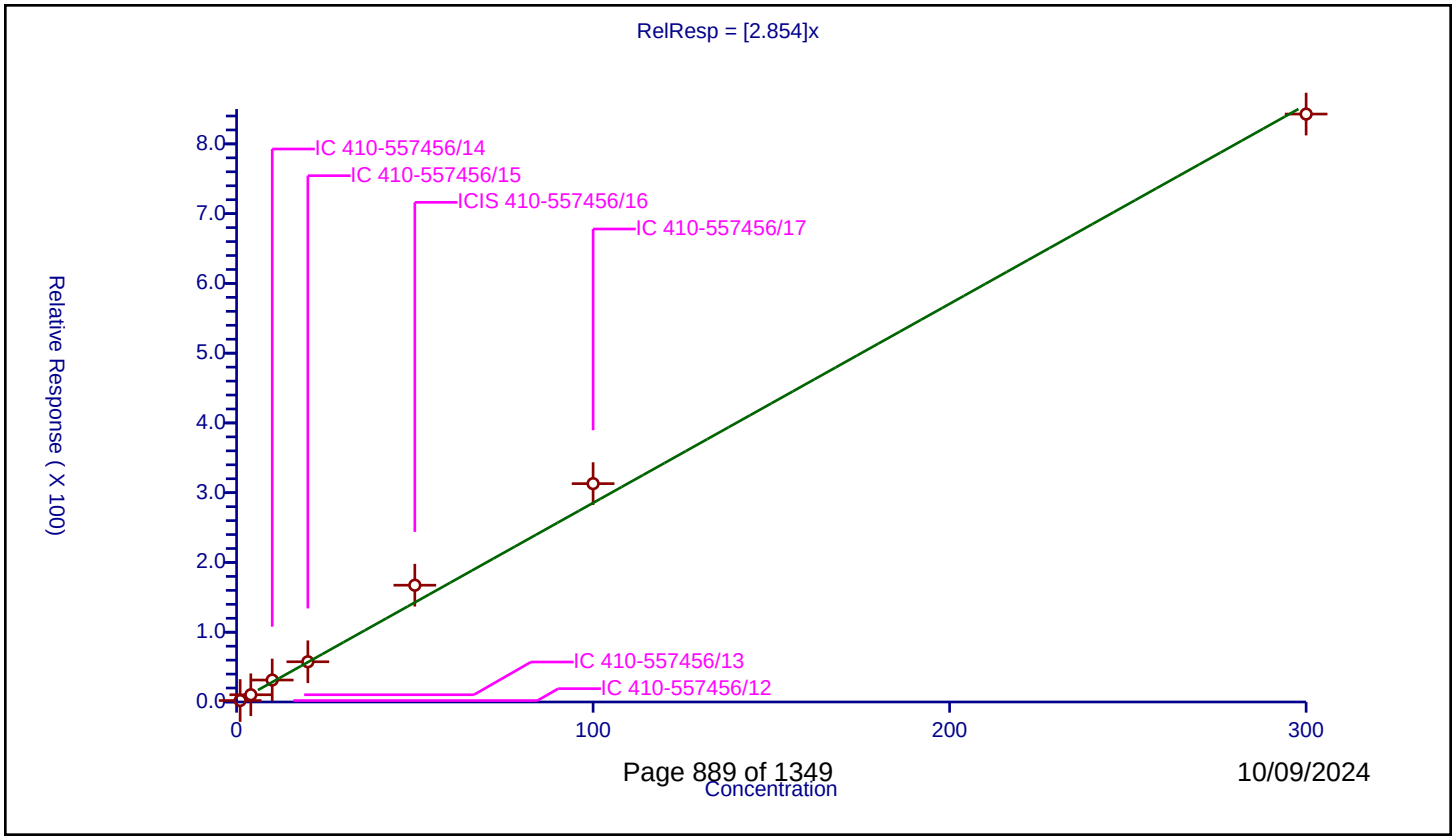
Curve Coefficients

Intercept:	0
Slope:	2.854

Error Coefficients

Relative Standard Deviation:	15.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.0	2.064311	50.0	440268.0	2.064311	Y
2	IC 410-557456/13	4.0	10.37928	50.0	435377.0	2.59482	Y
3	IC 410-557456/14	10.0	31.472852	50.0	462443.0	3.147285	Y
4	IC 410-557456/15	20.0	57.645834	50.0	453443.0	2.882292	Y
5	ICIS 410-557456/16	50.0	167.404849	50.0	437516.0	3.348097	Y
6	IC 410-557456/17	100.0	313.01797	50.0	463275.0	3.13018	Y
7	IC 410-557456/18	300.0	842.772313	50.0	487950.0	2.809241	Y



Calibration / 1,4-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

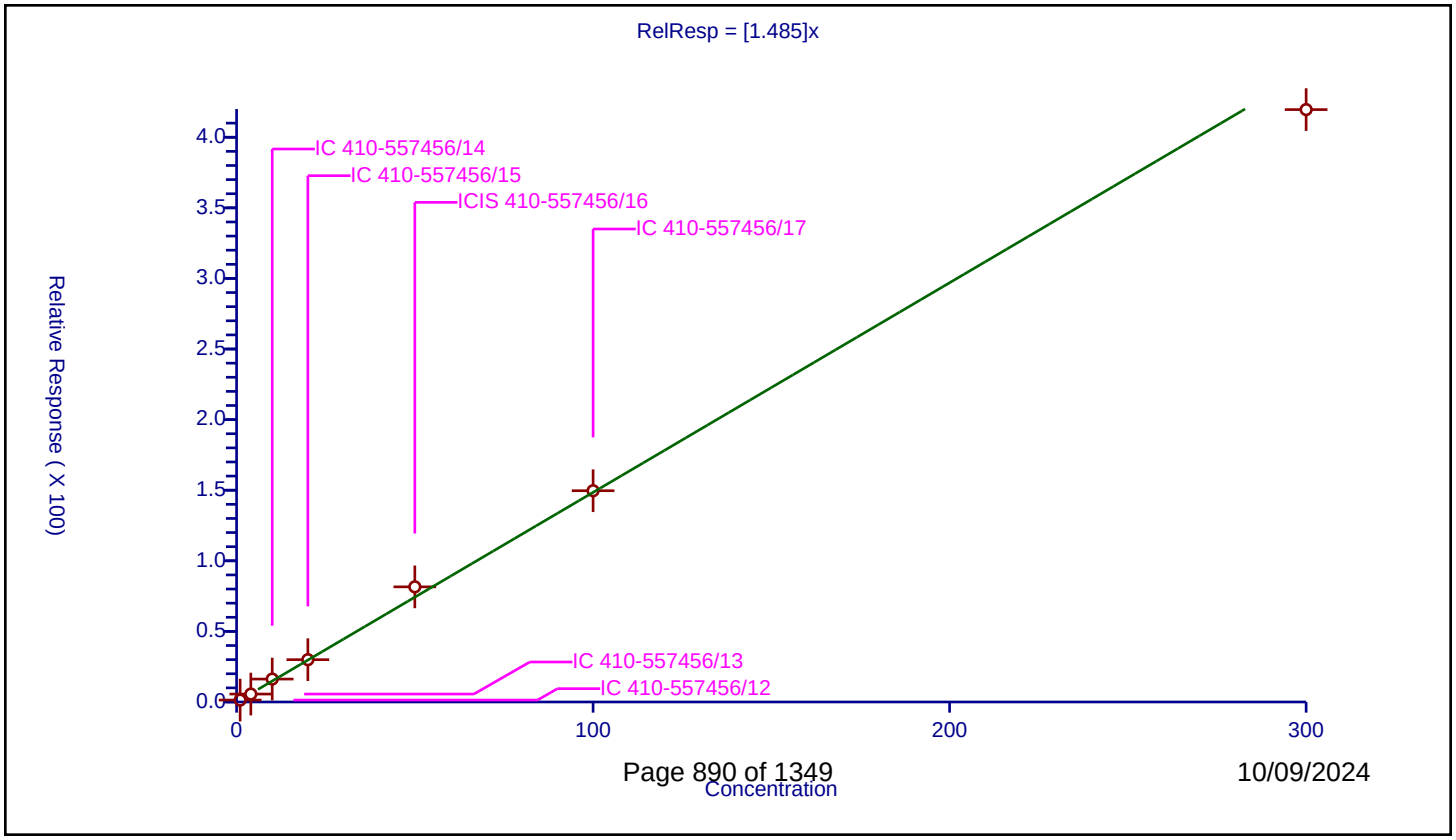
Curve Coefficients

Intercept:	0
Slope:	1.485

Error Coefficients

Relative Standard Deviation:	7.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.0	1.341683	50.0	440268.0	1.341683	Y
2	IC 410-557456/13	4.0	5.615134	50.0	435377.0	1.403783	Y
3	IC 410-557456/14	10.0	16.236055	50.0	462443.0	1.623606	Y
4	IC 410-557456/15	20.0	29.959113	50.0	453443.0	1.497956	Y
5	ICIS 410-557456/16	50.0	81.556217	50.0	437516.0	1.631124	Y
6	IC 410-557456/17	100.0	149.630349	50.0	463275.0	1.496303	Y
7	IC 410-557456/18	300.0	419.58715	50.0	487950.0	1.398624	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

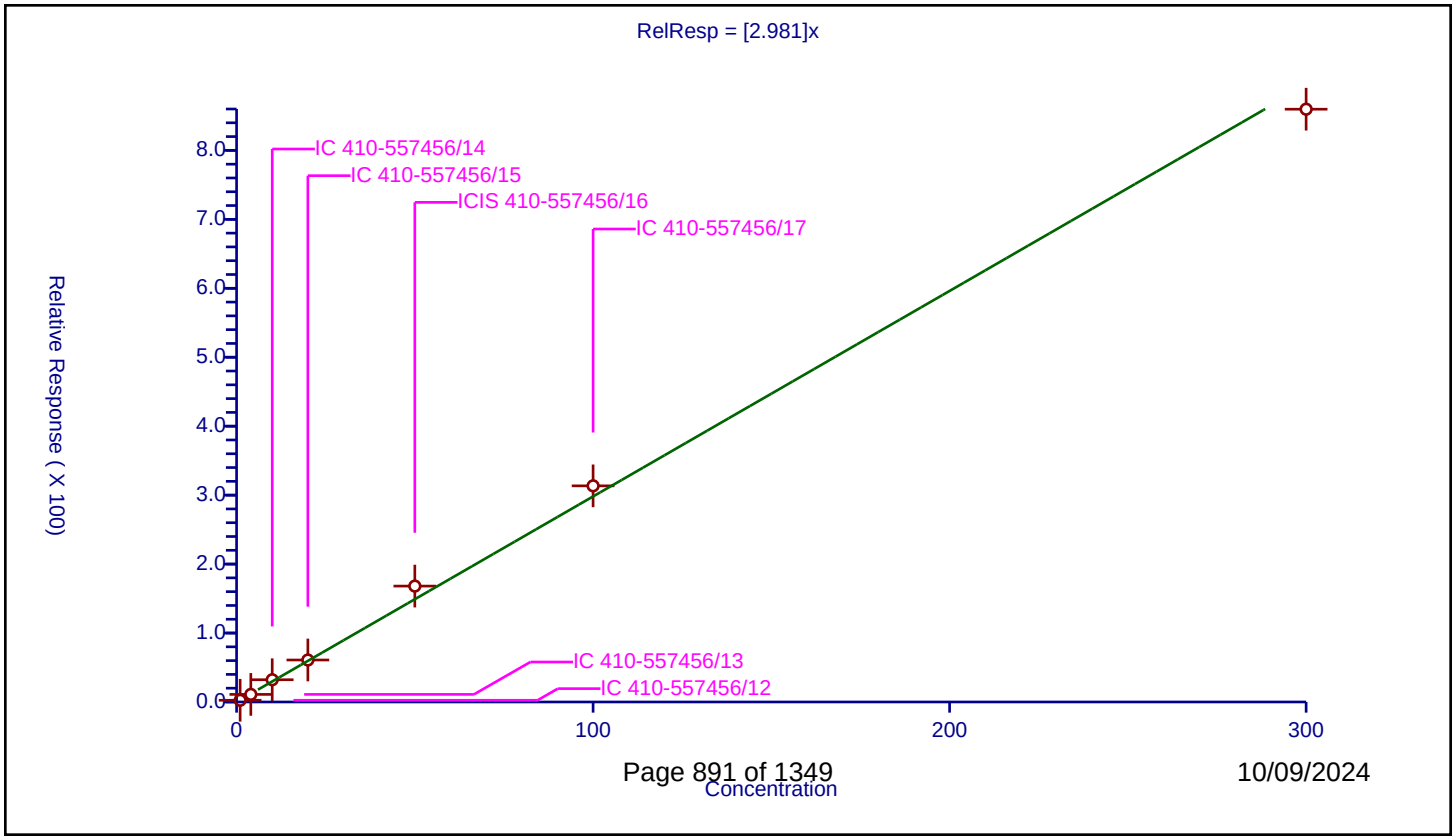
Curve Coefficients

Intercept:	0
Slope:	2.981

Error Coefficients

Relative Standard Deviation:	10.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.0	2.481216	50.0	440268.0	2.481216	Y
2	IC 410-557456/13	4.0	11.007242	50.0	435377.0	2.75181	Y
3	IC 410-557456/14	10.0	32.259651	50.0	462443.0	3.225965	Y
4	IC 410-557456/15	20.0	60.88902	50.0	453443.0	3.044451	Y
5	ICIS 410-557456/16	50.0	168.086653	50.0	437516.0	3.361733	Y
6	IC 410-557456/17	100.0	313.471156	50.0	463275.0	3.134712	Y
7	IC 410-557456/18	300.0	859.745466	50.0	487950.0	2.865818	Y



Calibration / Benzyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

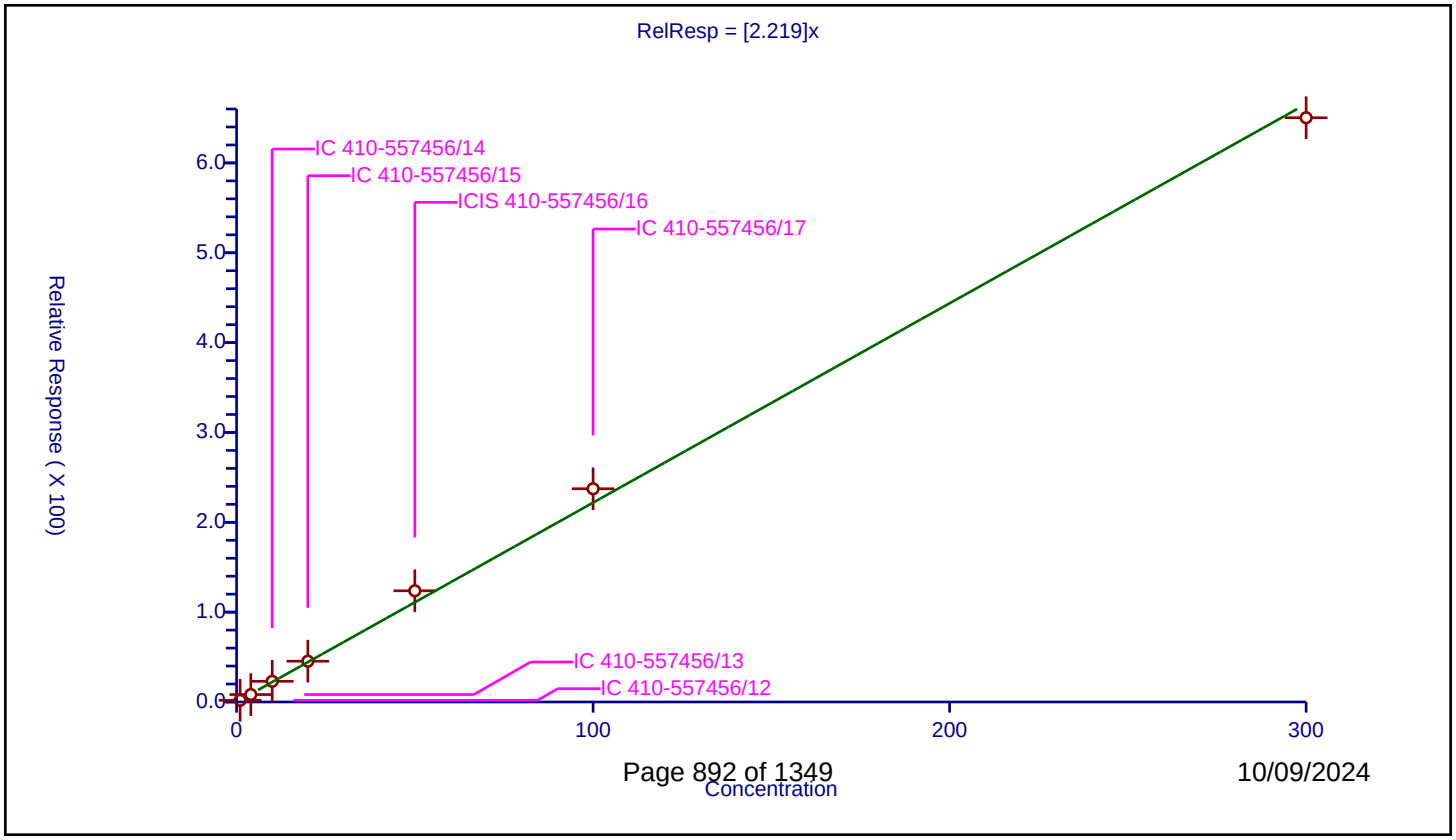
Curve Coefficients

Intercept:	0
Slope:	2.219

Error Coefficients

Relative Standard Deviation:	9.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.0	1.875789	50.0	440268.0	1.875789	Y
2	IC 410-557456/13	4.0	8.26571	50.0	435377.0	2.066427	Y
3	IC 410-557456/14	10.0	23.024892	50.0	462443.0	2.302489	Y
4	IC 410-557456/15	20.0	45.390821	50.0	453443.0	2.269541	Y
5	ICIS 410-557456/16	50.0	123.775245	50.0	437516.0	2.475505	Y
6	IC 410-557456/17	100.0	237.346824	50.0	463275.0	2.373468	Y
7	IC 410-557456/18	300.0	650.293883	50.0	487950.0	2.167646	Y



Calibration / 1,3-Diethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

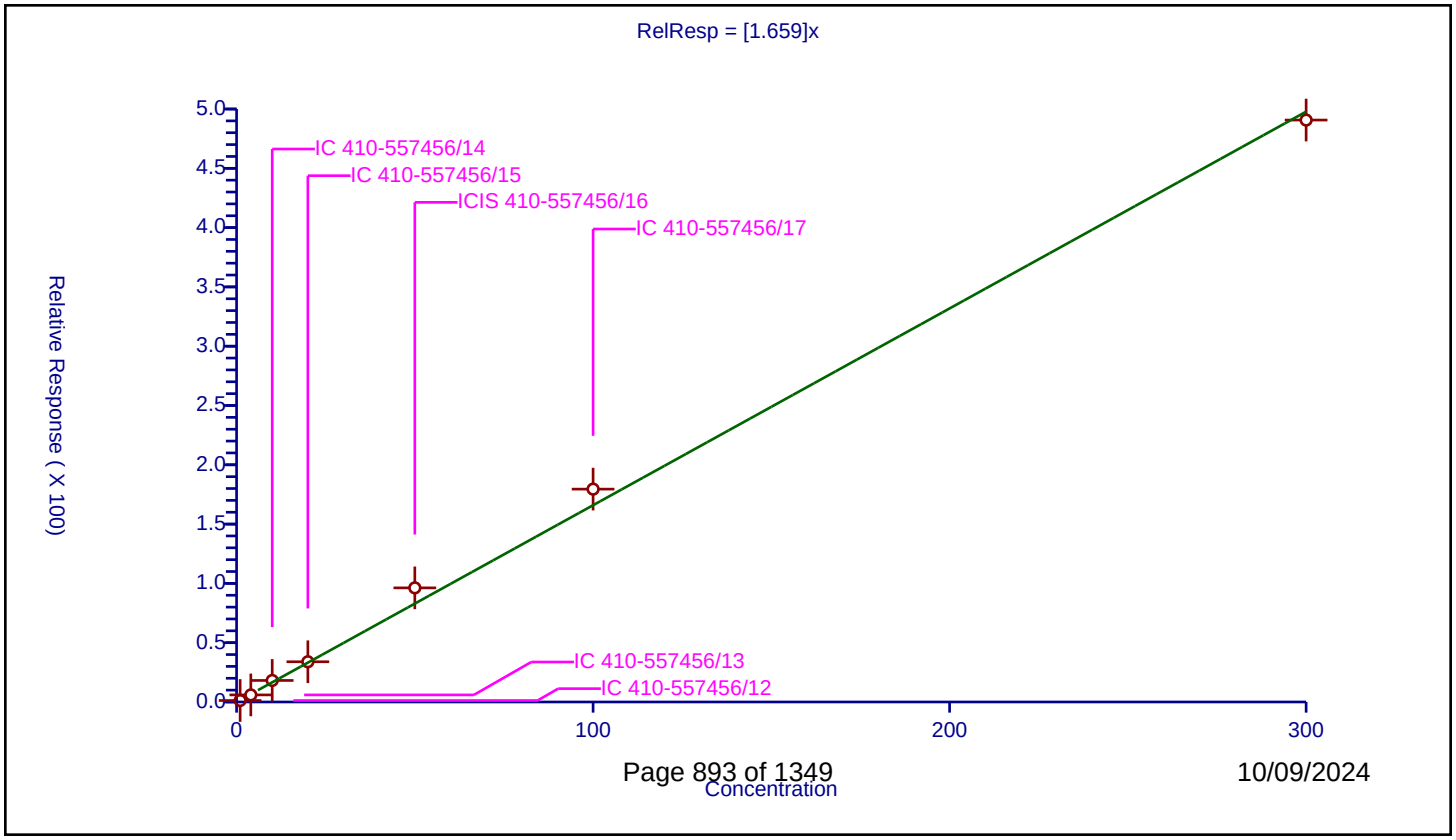
Curve Coefficients

Intercept:	0
Slope:	1.659

Error Coefficients

Relative Standard Deviation:	13.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.0	1.258665	50.0	440268.0	1.258665	Y
2	IC 410-557456/13	4.0	5.959548	50.0	435377.0	1.489887	Y
3	IC 410-557456/14	10.0	18.150129	50.0	462443.0	1.815013	Y
4	IC 410-557456/15	20.0	33.916501	50.0	453443.0	1.695825	Y
5	ICIS 410-557456/16	50.0	96.232138	50.0	437516.0	1.924643	Y
6	IC 410-557456/17	100.0	179.495872	50.0	463275.0	1.794959	Y
7	IC 410-557456/18	300.0	490.680193	50.0	487950.0	1.635601	Y



Calibration / p-Diethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

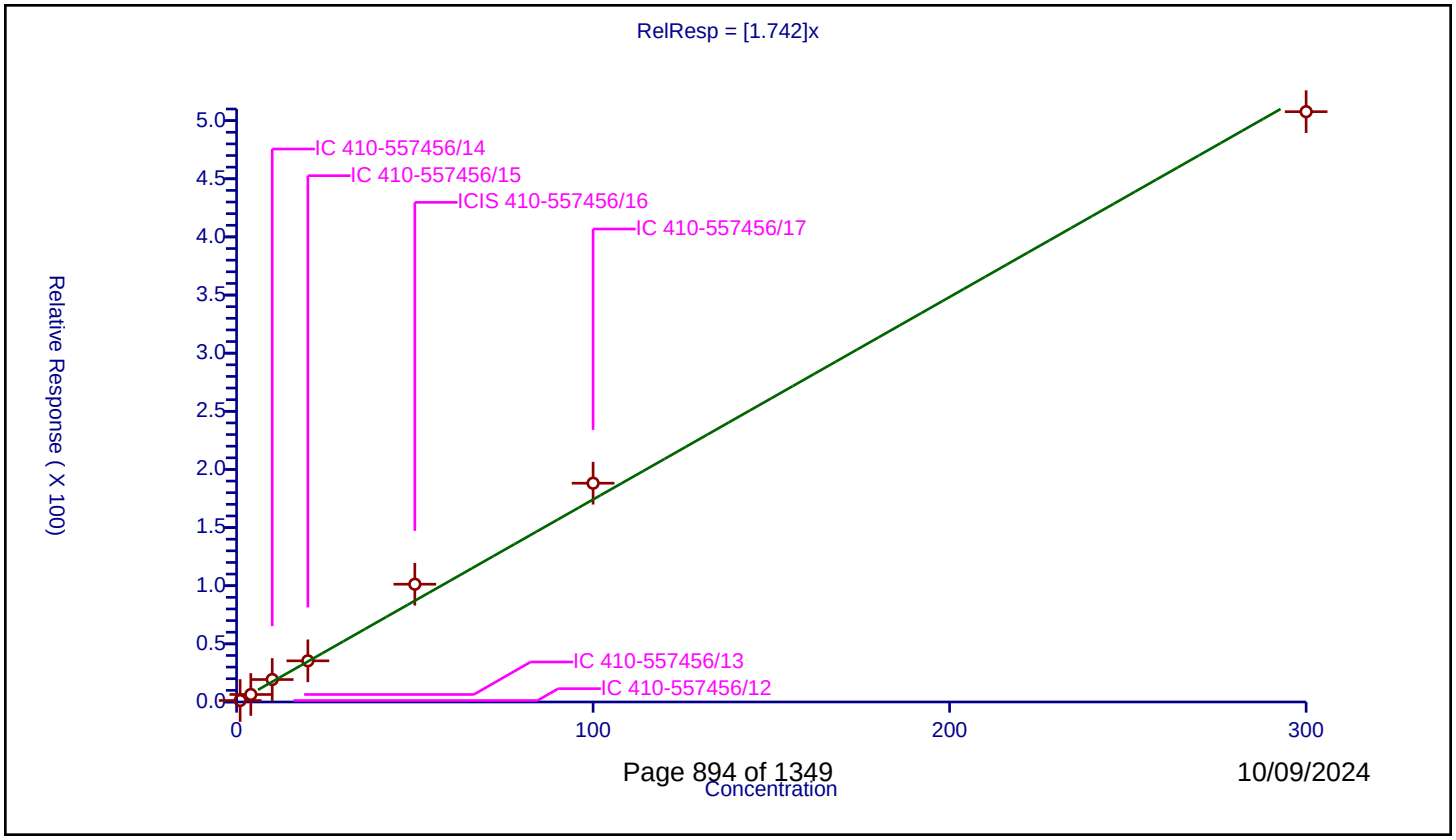
Curve Coefficients

Intercept:	0
Slope:	1.742

Error Coefficients

Relative Standard Deviation:	14.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.0	1.272975	50.0	440268.0	1.272975	Y
2	IC 410-557456/13	4.0	6.464512	50.0	435377.0	1.616128	Y
3	IC 410-557456/14	10.0	19.313732	50.0	462443.0	1.931373	Y
4	IC 410-557456/15	20.0	35.407317	50.0	453443.0	1.770366	Y
5	ICIS 410-557456/16	50.0	101.297095	50.0	437516.0	2.025942	Y
6	IC 410-557456/17	100.0	188.165345	50.0	463275.0	1.881653	Y
7	IC 410-557456/18	300.0	507.710011	50.0	487950.0	1.692367	Y



Calibration / n-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

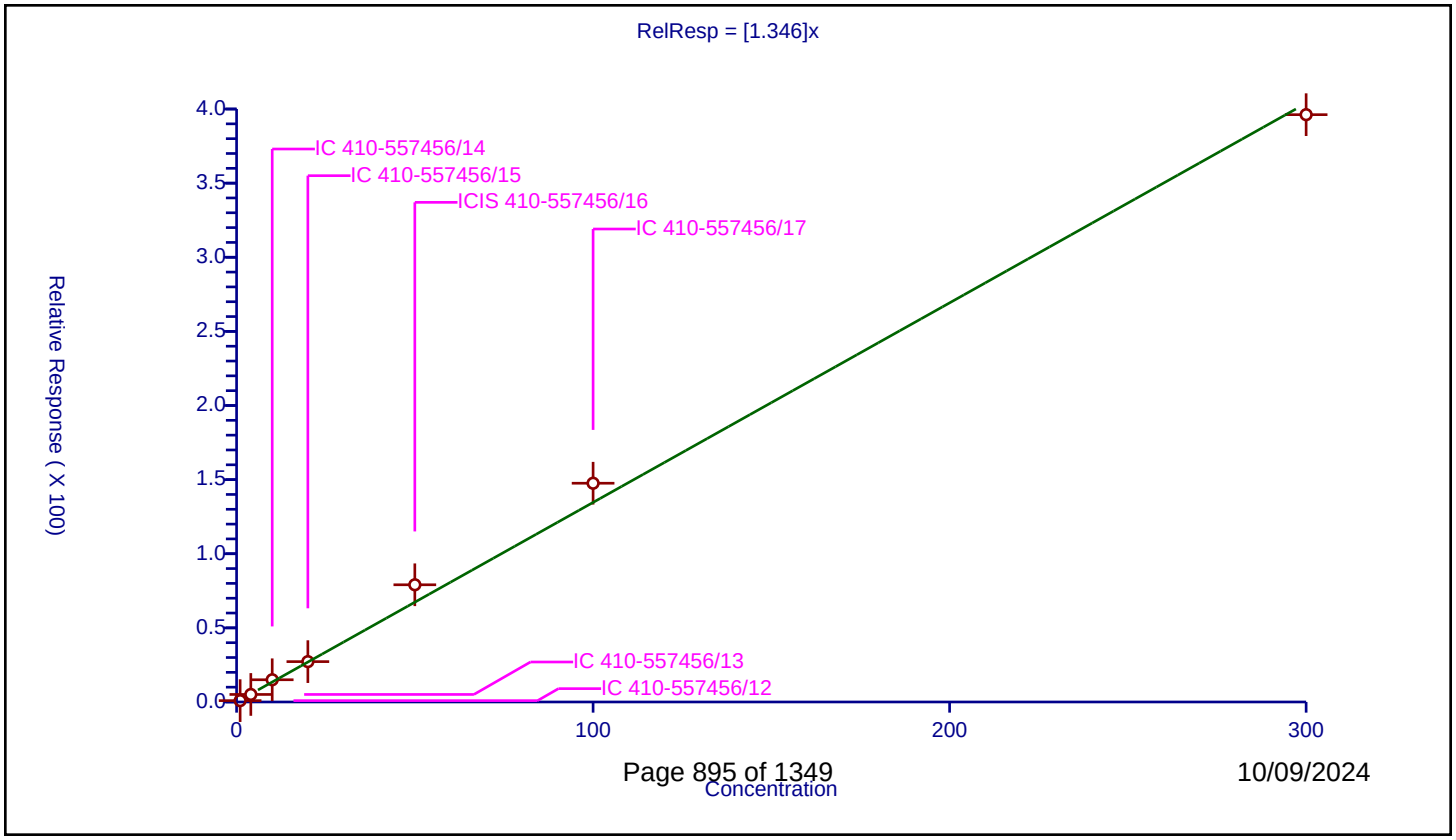
Curve Coefficients

Intercept:	0
Slope:	1.346

Error Coefficients

Relative Standard Deviation:	16.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.0	0.914216	50.0	440268.0	0.914216	Y
2	IC 410-557456/13	4.0	5.081918	50.0	435377.0	1.270479	Y
3	IC 410-557456/14	10.0	15.000227	50.0	462443.0	1.500023	Y
4	IC 410-557456/15	20.0	27.223267	50.0	453443.0	1.361163	Y
5	ICIS 410-557456/16	50.0	79.06728	50.0	437516.0	1.581346	Y
6	IC 410-557456/17	100.0	147.568291	50.0	463275.0	1.475683	Y
7	IC 410-557456/18	300.0	396.190798	50.0	487950.0	1.320636	Y



Calibration / 1,2-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

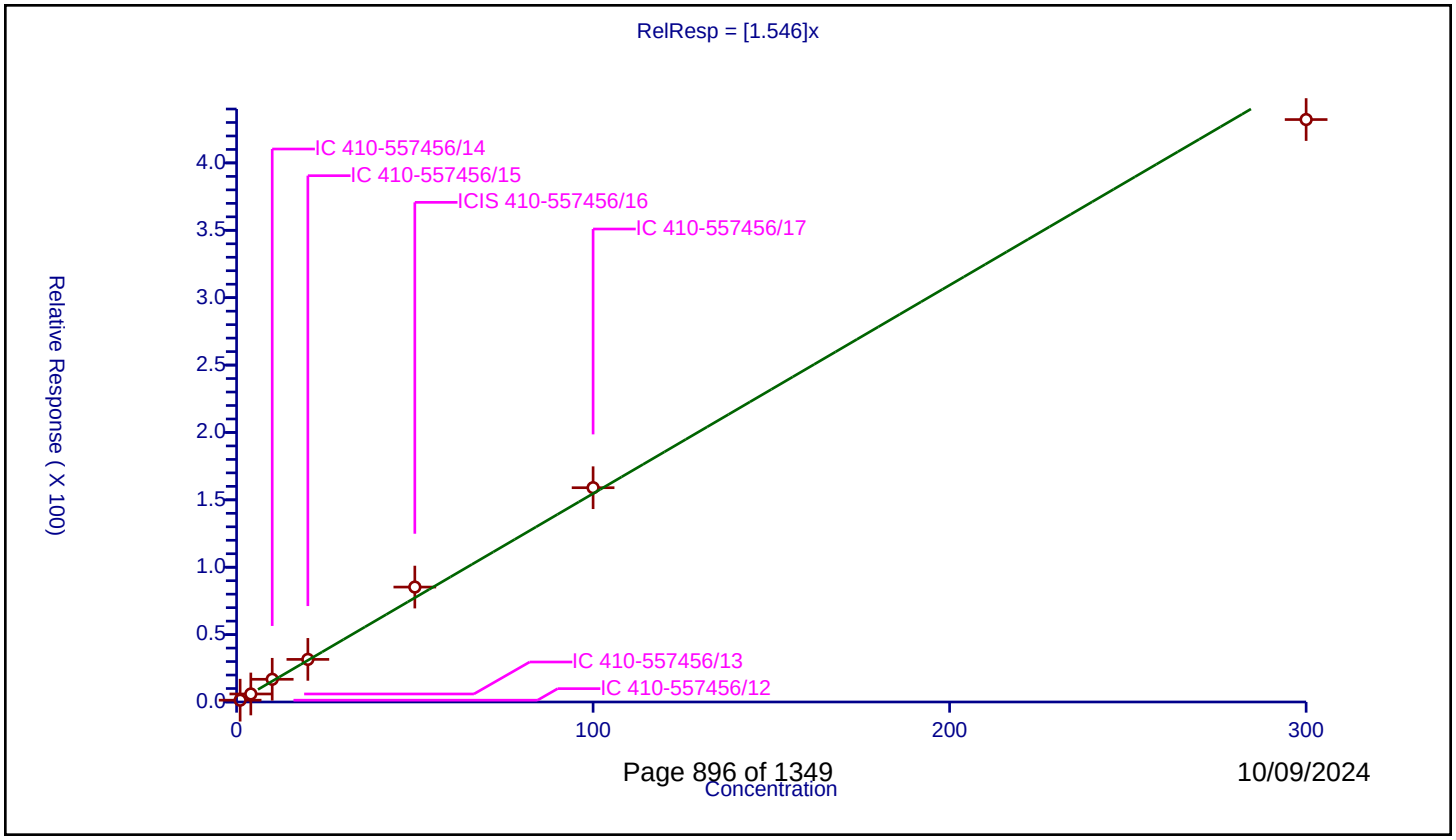
Curve Coefficients

Intercept:	0
Slope:	1.546

Error Coefficients

Relative Standard Deviation:	8.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.0	1.33555	50.0	440268.0	1.33555	Y
2	IC 410-557456/13	4.0	5.951164	50.0	435377.0	1.487791	Y
3	IC 410-557456/14	10.0	16.849428	50.0	462443.0	1.684943	Y
4	IC 410-557456/15	20.0	31.613014	50.0	453443.0	1.580651	Y
5	ICIS 410-557456/16	50.0	85.266482	50.0	437516.0	1.70533	Y
6	IC 410-557456/17	100.0	158.995953	50.0	463275.0	1.58996	Y
7	IC 410-557456/18	300.0	432.186597	50.0	487950.0	1.440622	Y



Calibration / o-diethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

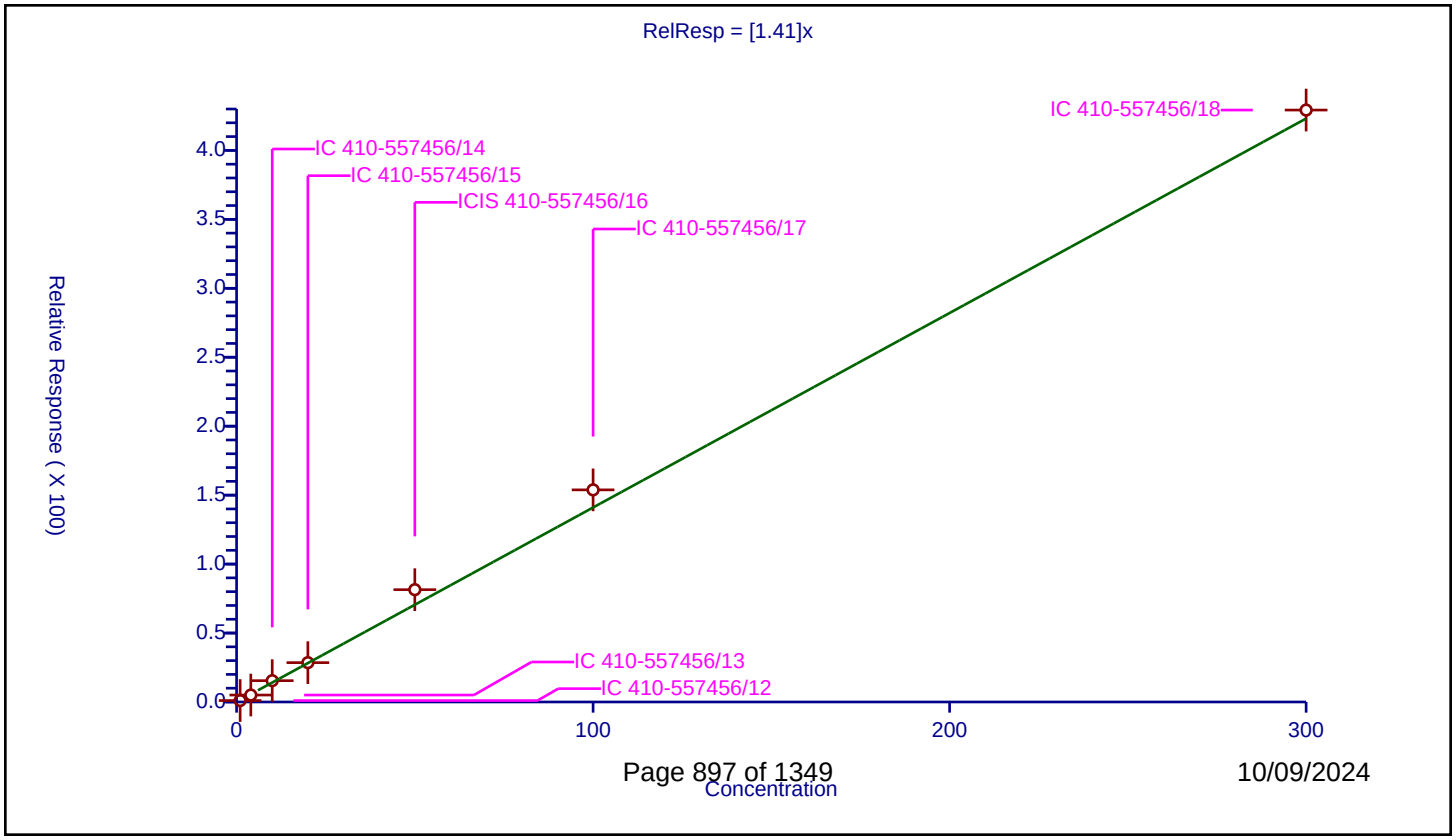
Curve Coefficients

Intercept:	0
Slope:	1.41

Error Coefficients

Relative Standard Deviation:	14.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.0	1.041752	50.0	440268.0	1.041752	Y
2	IC 410-557456/13	4.0	5.044479	50.0	435377.0	1.26112	Y
3	IC 410-557456/14	10.0	15.455635	50.0	462443.0	1.545563	Y
4	IC 410-557456/15	20.0	28.52718	50.0	453443.0	1.426359	Y
5	ICIS 410-557456/16	50.0	81.433136	50.0	437516.0	1.628663	Y
6	IC 410-557456/17	100.0	153.811667	50.0	463275.0	1.538117	Y
7	IC 410-557456/18	300.0	429.243263	50.0	487950.0	1.430811	Y



10/09/2024

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

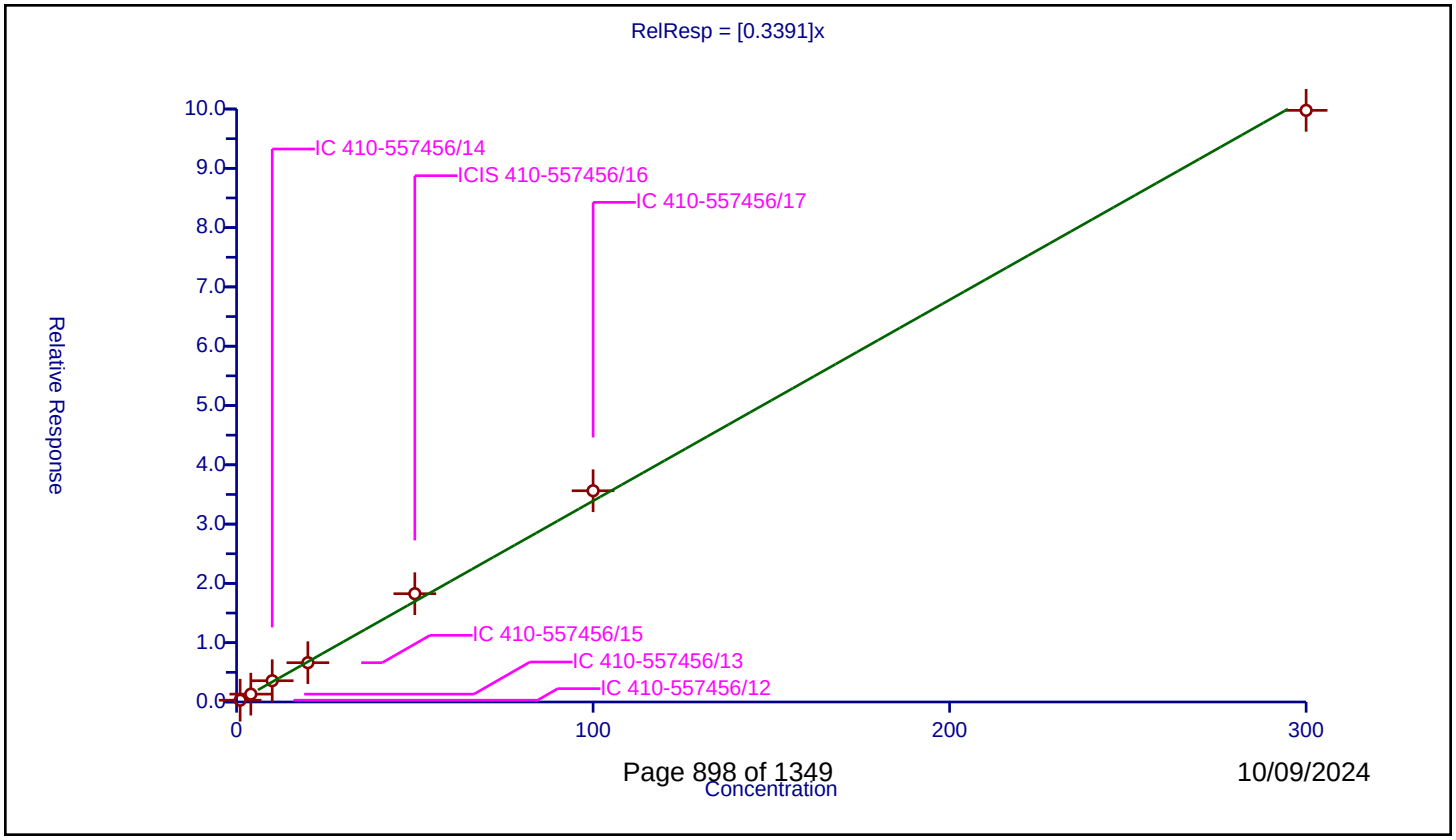
Curve Coefficients

Intercept:	0
Slope:	0.3391

Error Coefficients

Relative Standard Deviation:	6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.0	0.298341	50.0	440268.0	0.298341	Y
2	IC 410-557456/13	4.0	1.324944	50.0	435377.0	0.331236	Y
3	IC 410-557456/14	10.0	3.58801	50.0	462443.0	0.358801	Y
4	IC 410-557456/15	20.0	6.625199	50.0	453443.0	0.33126	Y
5	ICIS 410-557456/16	50.0	18.261161	50.0	437516.0	0.365223	Y
6	IC 410-557456/17	100.0	35.623658	50.0	463275.0	0.356237	Y
7	IC 410-557456/18	300.0	99.774977	50.0	487950.0	0.332583	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

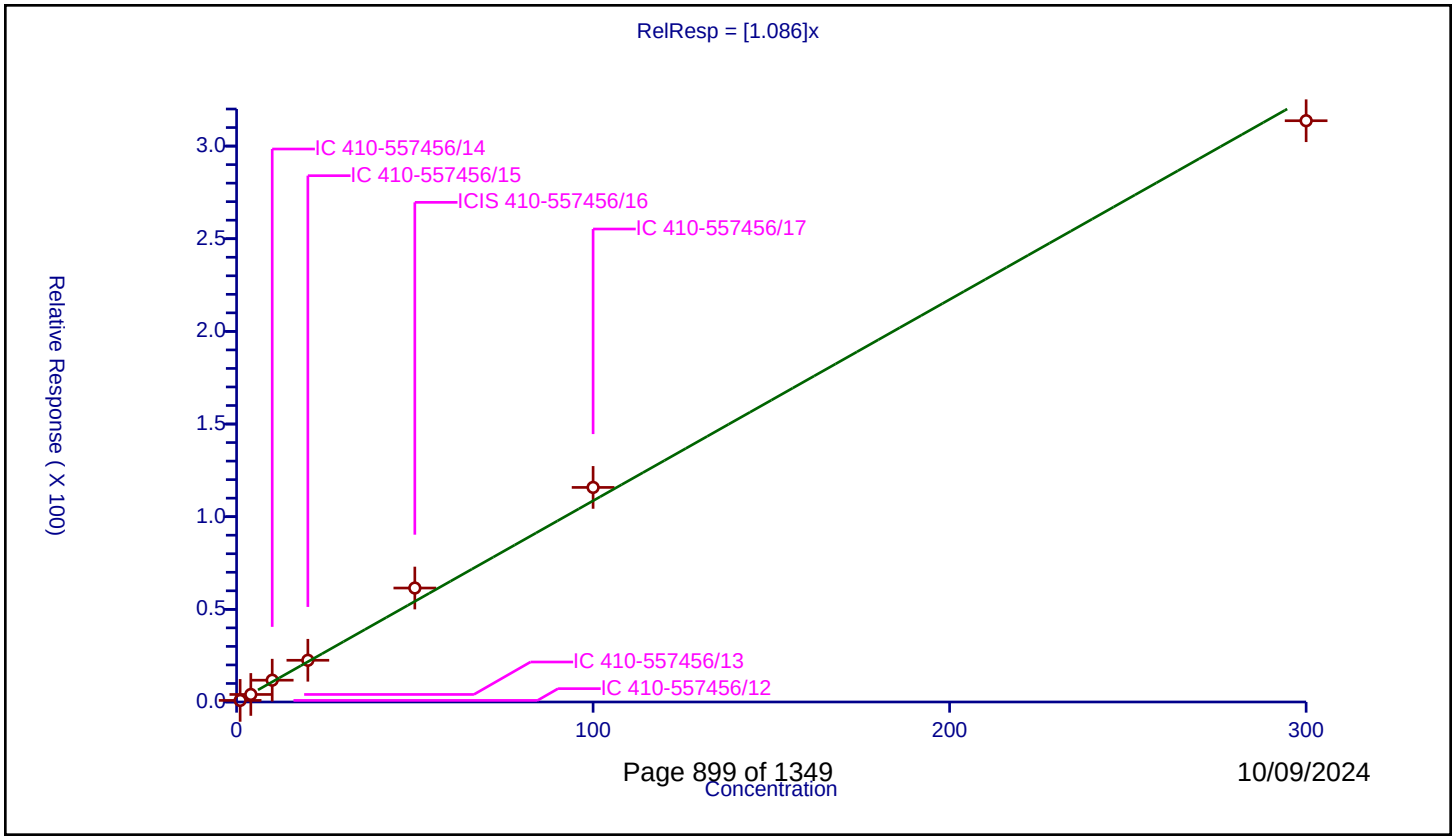
Curve Coefficients

Intercept:	0
Slope:	1.086

Error Coefficients

Relative Standard Deviation:	11.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.0	0.848915	50.0	440268.0	0.848915	Y
2	IC 410-557456/13	4.0	4.065672	50.0	435377.0	1.016418	Y
3	IC 410-557456/14	10.0	11.767288	50.0	462443.0	1.176729	Y
4	IC 410-557456/15	20.0	22.513414	50.0	453443.0	1.125671	Y
5	ICIS 410-557456/16	50.0	61.492494	50.0	437516.0	1.22985	Y
6	IC 410-557456/17	100.0	115.799579	50.0	463275.0	1.157996	Y
7	IC 410-557456/18	300.0	313.681217	50.0	487950.0	1.045604	Y



10/09/2024

Calibration / 1,2,4-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

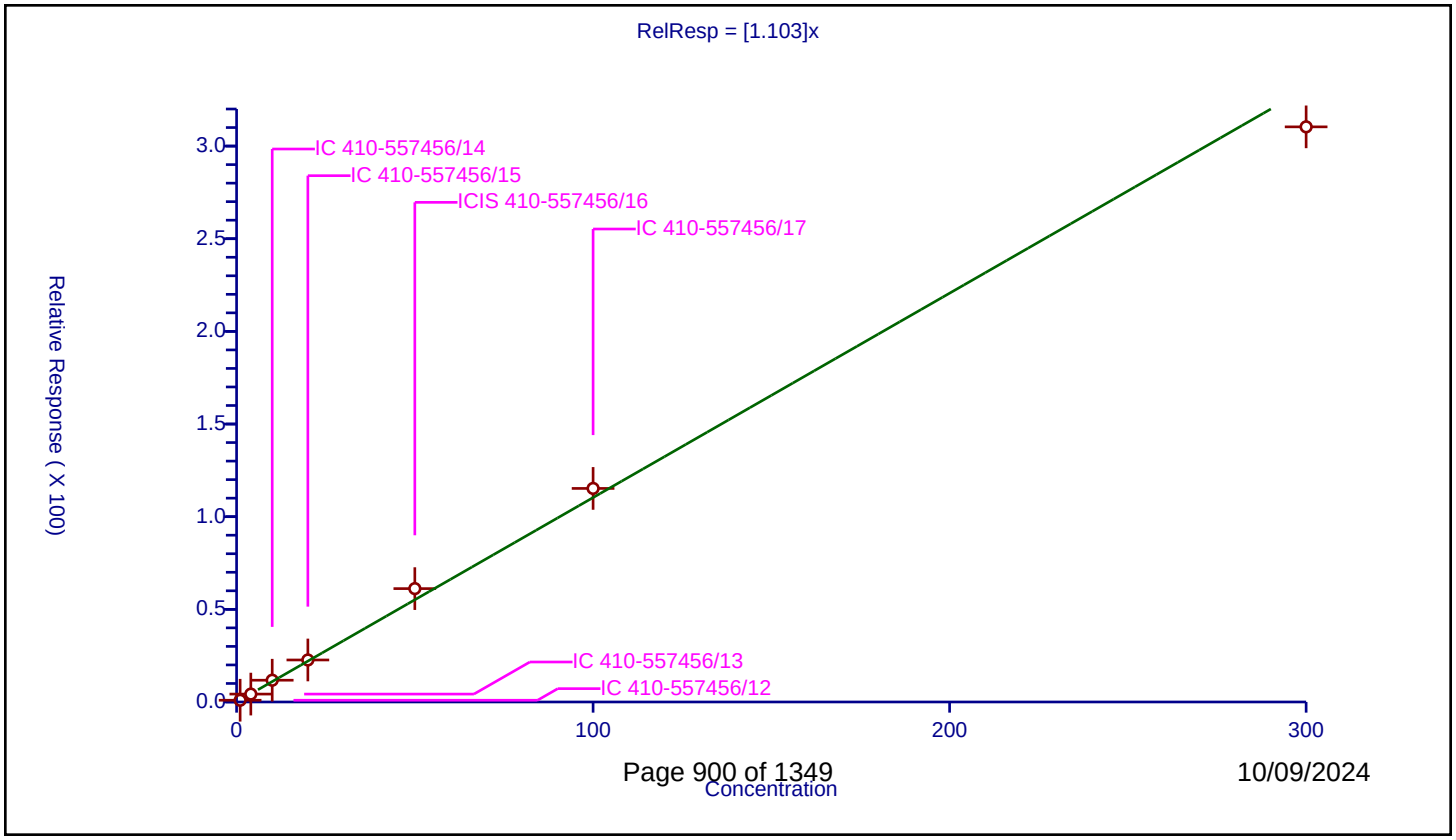
Curve Coefficients

Intercept:	0
Slope:	1.103

Error Coefficients

Relative Standard Deviation:	8.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.0	0.936134	50.0	440268.0	0.936134	Y
2	IC 410-557456/13	4.0	4.262398	50.0	435377.0	1.065599	Y
3	IC 410-557456/14	10.0	11.748583	50.0	462443.0	1.174858	Y
4	IC 410-557456/15	20.0	22.675728	50.0	453443.0	1.133786	Y
5	ICIS 410-557456/16	50.0	61.189077	50.0	437516.0	1.223782	Y
6	IC 410-557456/17	100.0	115.253143	50.0	463275.0	1.152531	Y
7	IC 410-557456/18	300.0	310.379137	50.0	487950.0	1.034597	Y



Calibration / 2-Ethylhexyl acrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

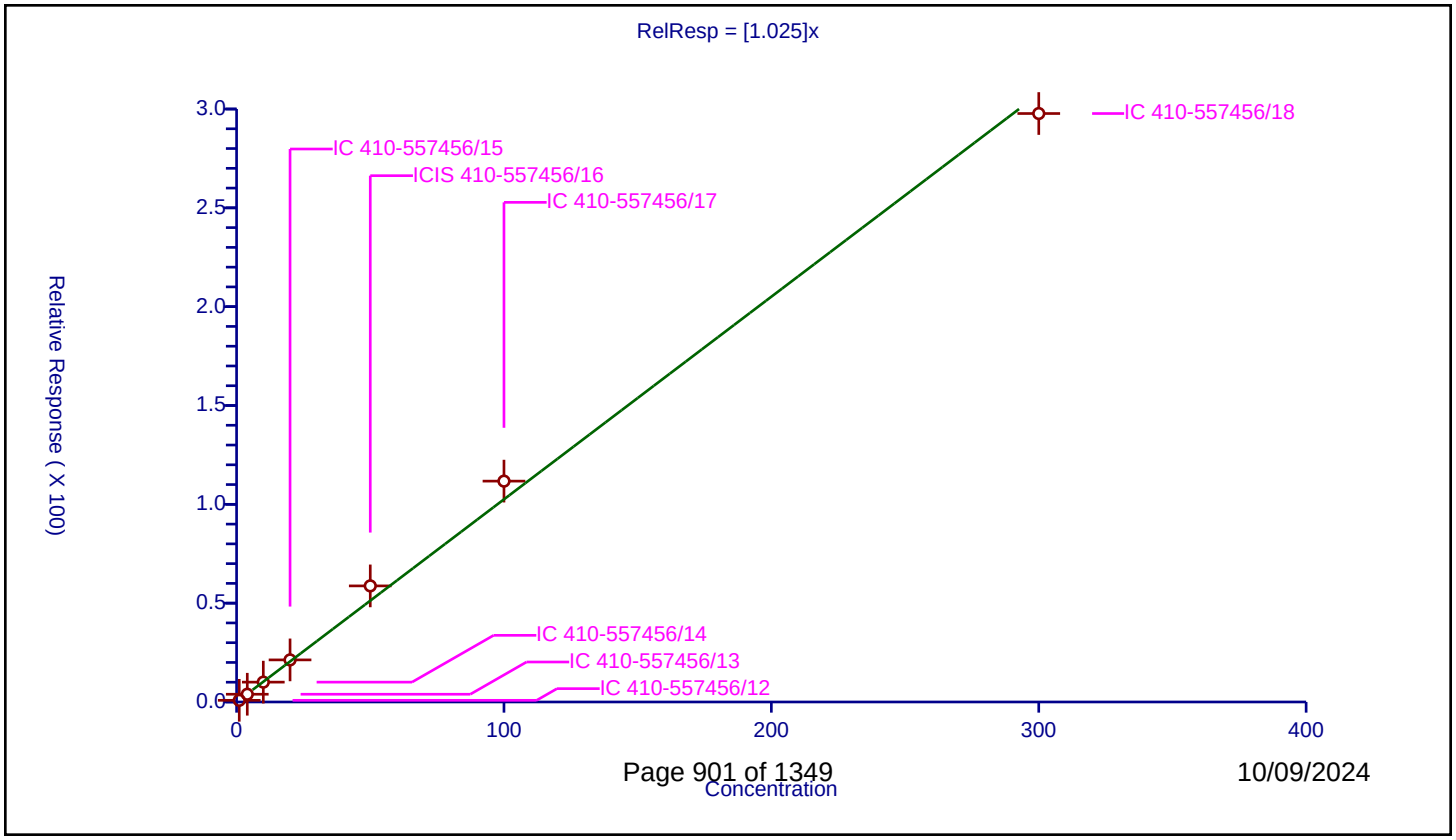
Curve Coefficients

Intercept:	0
Slope:	1.025

Error Coefficients

Relative Standard Deviation:	10.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.00005	0.842328	50.0	440268.0	0.842286	Y
2	IC 410-557456/13	4.0002	3.925678	50.0	435377.0	0.98137	Y
3	IC 410-557456/14	10.0005	10.037561	50.0	462443.0	1.003706	Y
4	IC 410-557456/15	20.001	21.292533	50.0	453443.0	1.064573	Y
5	ICIS 410-557456/16	50.0025	58.734309	50.0	437516.0	1.174627	Y
6	IC 410-557456/17	100.005	111.739032	50.0	463275.0	1.117334	Y
7	IC 410-557456/18	300.015	297.715032	50.0	487950.0	0.992334	Y



Calibration / Hexachlorobutadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

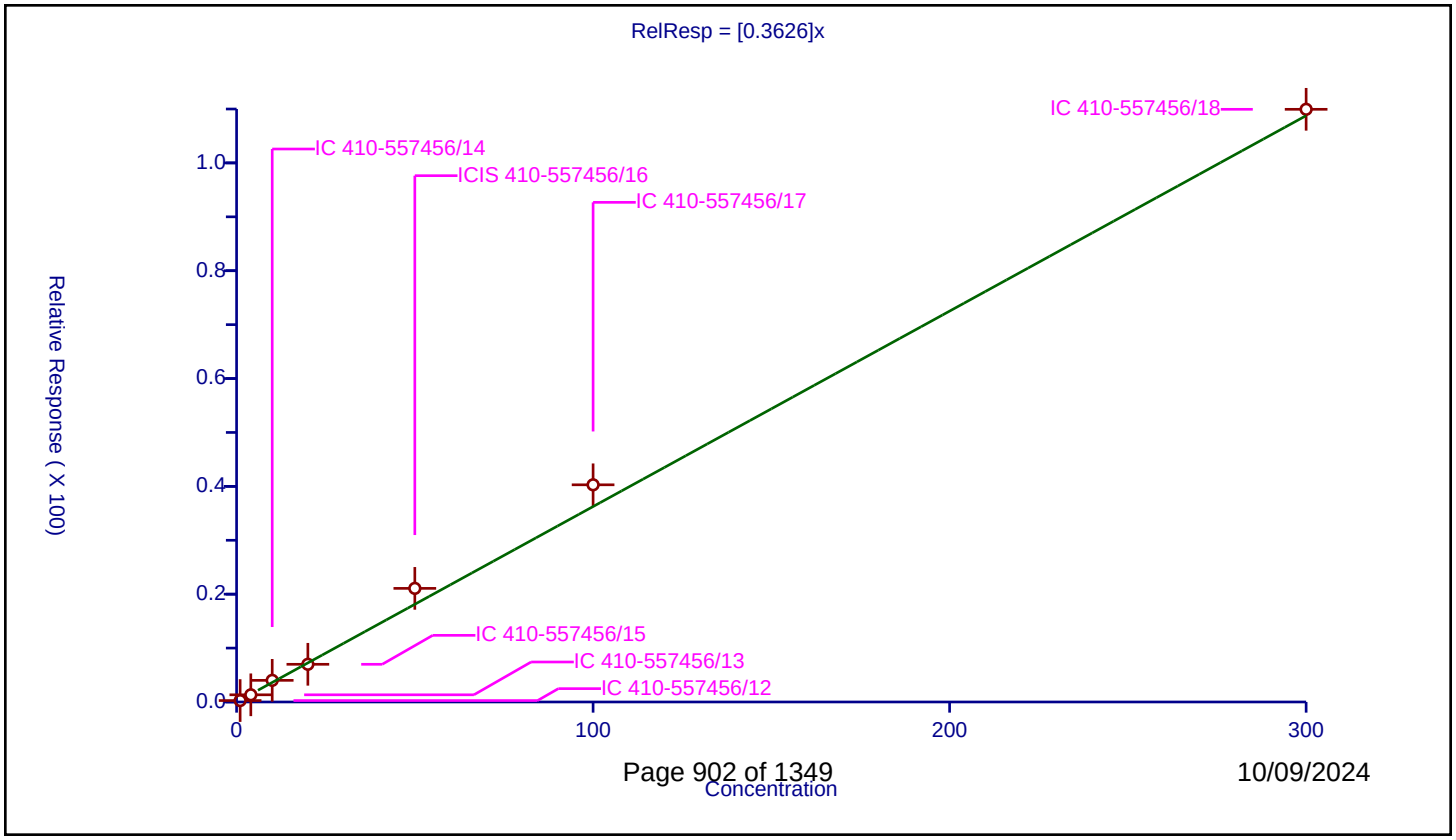
Curve Coefficients

Intercept:	0
Slope:	0.3626

Error Coefficients

Relative Standard Deviation:	14.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.0	0.263135	50.0	440268.0	0.263135	Y
2	IC 410-557456/13	4.0	1.330916	50.0	435377.0	0.332729	Y
3	IC 410-557456/14	10.0	4.016711	50.0	462443.0	0.401671	Y
4	IC 410-557456/15	20.0	6.989963	50.0	453443.0	0.349498	Y
5	ICIS 410-557456/16	50.0	21.073972	50.0	437516.0	0.421479	Y
6	IC 410-557456/17	100.0	40.288813	50.0	463275.0	0.402888	Y
7	IC 410-557456/18	300.0	109.947741	50.0	487950.0	0.366492	Y



Calibration / Naphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

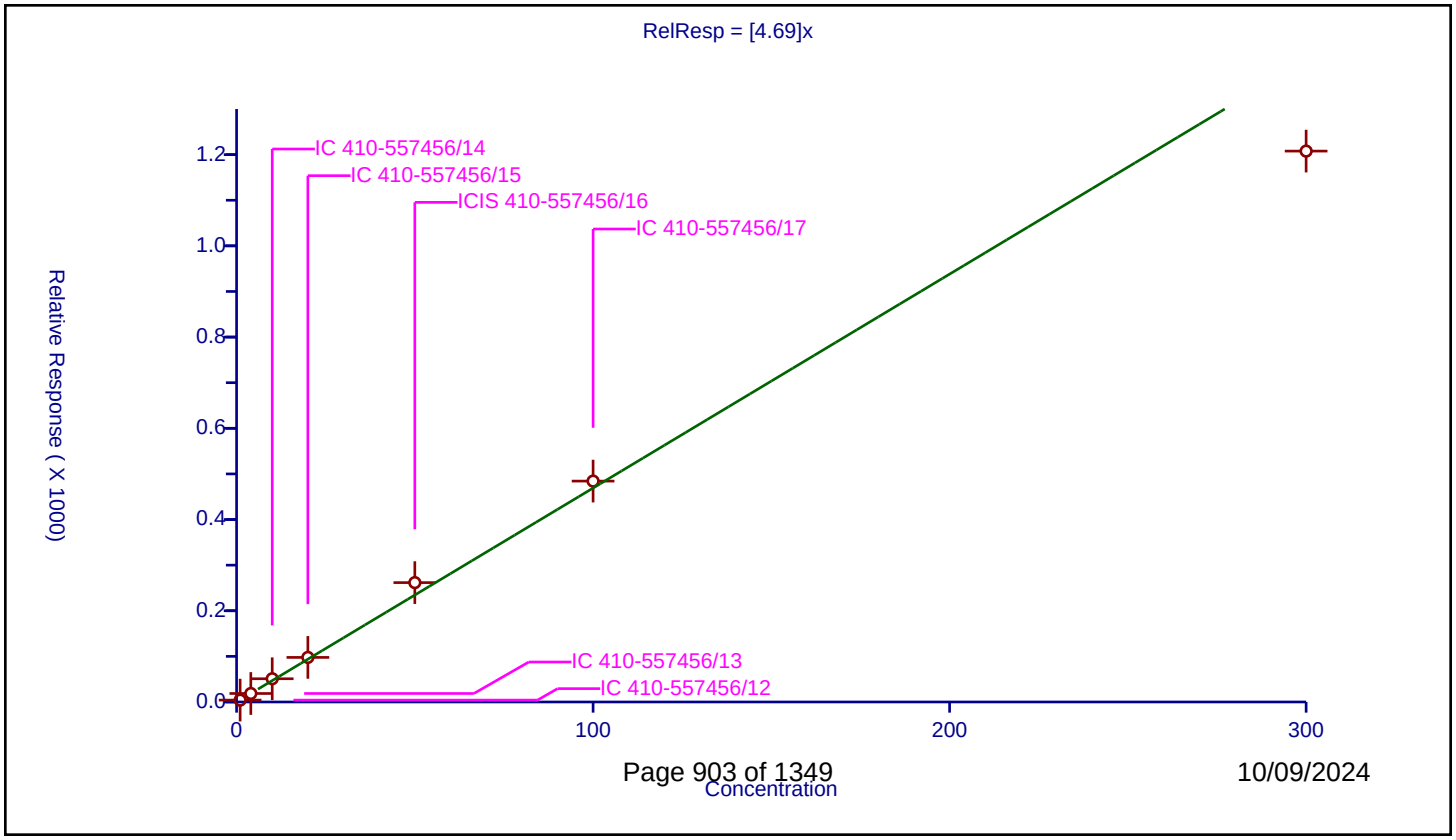
Curve Coefficients

Intercept:	0
Slope:	4.69

Error Coefficients

Relative Standard Deviation:	10.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.0	4.094779	50.0	440268.0	4.094779	Y
2	IC 410-557456/13	4.0	18.606059	50.0	435377.0	4.651515	Y
3	IC 410-557456/14	10.0	50.974715	50.0	462443.0	5.097471	Y
4	IC 410-557456/15	20.0	97.718015	50.0	453443.0	4.885901	Y
5	ICIS 410-557456/16	50.0	261.711915	50.0	437516.0	5.234238	Y
6	IC 410-557456/17	100.0	484.257514	50.0	463275.0	4.842575	Y
7	IC 410-557456/18	300.0	1207.744236	50.0	487950.0	4.025814	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

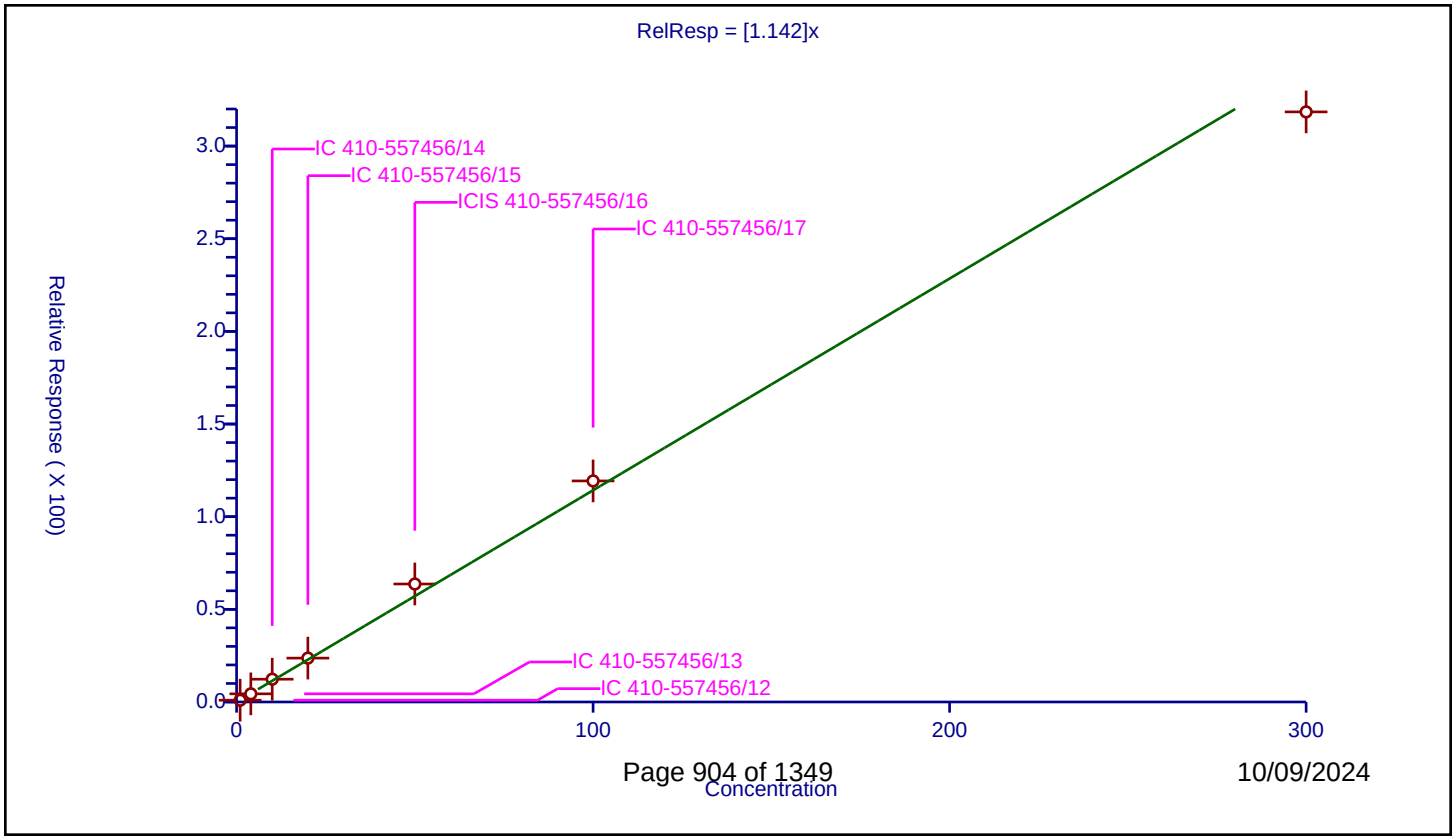
Curve Coefficients

Intercept:	0
Slope:	1.142

Error Coefficients

Relative Standard Deviation:	9.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.0	0.955668	50.0	440268.0	0.955668	Y
2	IC 410-557456/13	4.0	4.400209	50.0	435377.0	1.100052	Y
3	IC 410-557456/14	10.0	12.300543	50.0	462443.0	1.230054	Y
4	IC 410-557456/15	20.0	23.673538	50.0	453443.0	1.183677	Y
5	ICIS 410-557456/16	50.0	63.667157	50.0	437516.0	1.273343	Y
6	IC 410-557456/17	100.0	119.286817	50.0	463275.0	1.192868	Y
7	IC 410-557456/18	300.0	318.439082	50.0	487950.0	1.061464	Y



Calibration / 2-Methylnaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

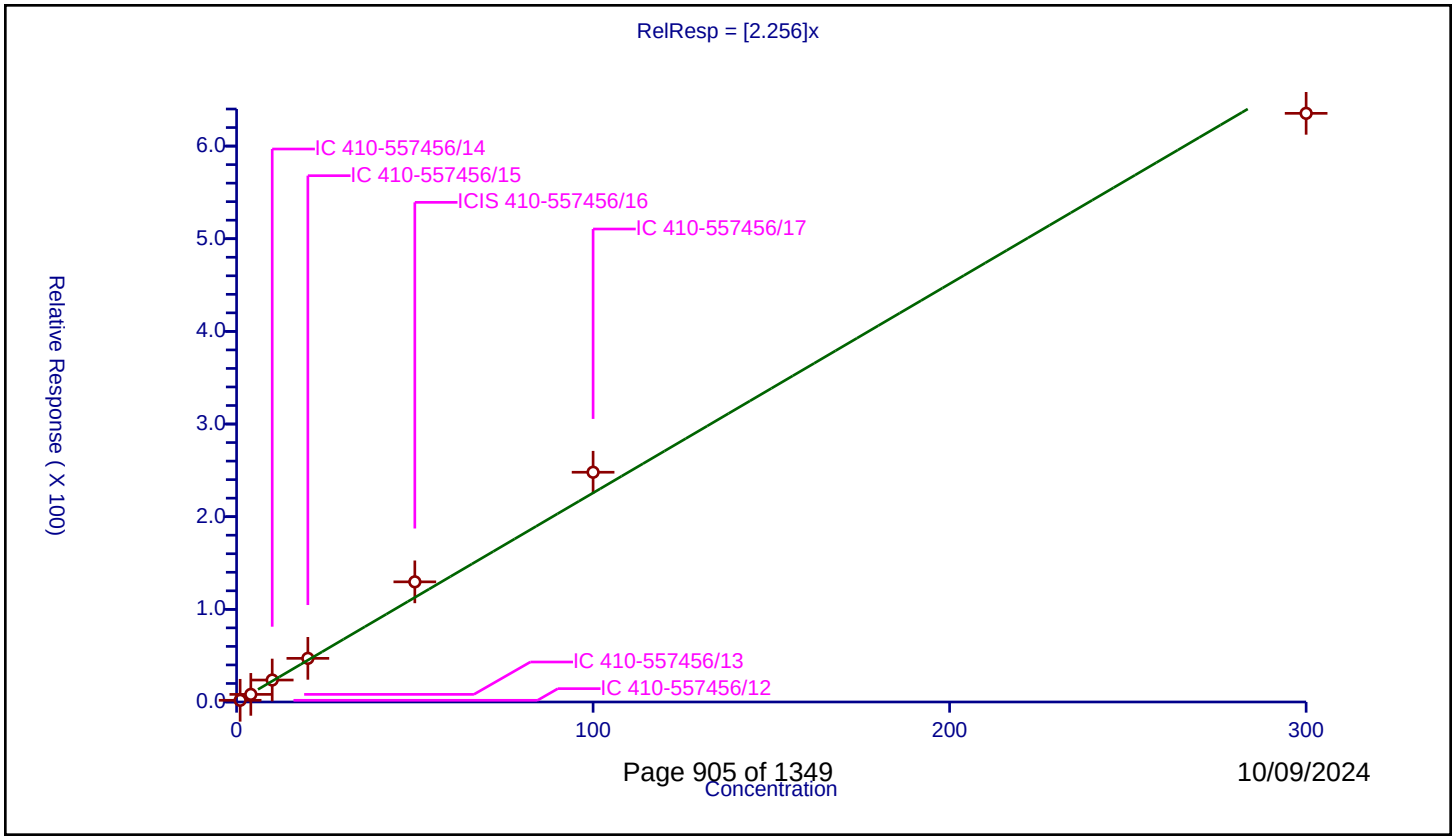
Curve Coefficients

Intercept:	0
Slope:	2.256

Error Coefficients

Relative Standard Deviation:	11.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-557456/12	1.0	1.824116	50.0	440268.0	1.824116	Y
2	IC 410-557456/13	4.0	8.215524	50.0	435377.0	2.053881	Y
3	IC 410-557456/14	10.0	23.708327	50.0	462443.0	2.370833	Y
4	IC 410-557456/15	20.0	47.112537	50.0	453443.0	2.355627	Y
5	ICIS 410-557456/16	50.0	129.668058	50.0	437516.0	2.593361	Y
6	IC 410-557456/17	100.0	247.978199	50.0	463275.0	2.479782	Y
7	IC 410-557456/18	300.0	635.336407	50.0	487950.0	2.117788	Y



FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1 Analy Batch No.: 528230

SDG No.:

Instrument ID: 9915 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/15/2024 14:18 Calibration End Date: 07/15/2024 16:11 Calibration ID: 63832

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-528230/3	LL15X02.D
Level 2	IC 410-528230/4	LL15X03.D
Level 3	IC 410-528230/5	LL15X04.D
Level 4	IC 410-528230/6	LL15X05.D
Level 5	IC 410-528230/7	LL15X06.D
Level 6	IC 410-528230/8	LL15X07.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 3	LVL 4	LVL 5		B	M1	M2								
Chlorotrifluoroethene	0.2567 0.2548	0.2056	0.2374	0.2595	0.2691	Ave		0.2472				9.2		20.0			
Chlorodifluoromethane	9.4981 8.9308	8.1924	9.2760	9.3840	9.6100	Ave		9.1486				5.7		20.0			
Freon 133a	0.4142 0.4149	0.3646	0.4036	0.4243	0.4273	Ave		0.4081				5.6		20.0			
Ethanol	0.0638 0.0646	0.0687	0.0649	0.0640	0.0628	Ave		0.0648				3.2		20.0			
Acetonitrile	+++++ 1.0057	1.1033	1.0614	1.0422	1.0344	Ave		1.0494				3.5		20.0			
Vinyl acetate	0.5371 0.5684	0.5210	0.5454	0.5436	0.5129	Ave		0.5381				3.6		20.0			
Ethyl acetate	0.2599 0.2969	0.2843	0.2737	0.2821	0.2832	Ave		0.2800				4.4		20.0			
Isopropyl acetate	0.5447 0.6149	0.5803	0.5805	0.5945	0.5900	Ave		0.5841				4.0		20.0			
n-Propyl acetate	0.1049 0.1248	0.1094	0.1122	0.1195	0.1176	Ave		0.1147				6.3		20.0			
3,4-Dichloro-1-butene	0.3294 0.3629	0.3337	0.3341	0.3508	0.3601	Ave		0.3452				4.2		20.0			
Butyl acetate	0.5960 0.6371	0.6230	0.6063	0.6298	0.6325	Ave		0.6208				2.6		20.0			
cis-1,4-Dichloro-2-butene	0.1526 0.1820	0.1624	0.1588	0.1738	0.1773	Ave		0.1678				6.9		20.0			
Pentachloroethane	0.3588 0.4567	0.3762	0.3639	0.3760	0.3081	Ave		0.3733				12.9		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.: 410-190105-1 | Analy Batch No.: 528230

SDG No.:

Instrument ID: 9915 | GC Column: R-624SilMS ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 07/15/2024 14:18 | Calibration End Date: 07/15/2024 16:11 | Calibration ID: 63832

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-528230/3	LL15X02.D
Level 2	IC 410-528230/4	LL15X03.D
Level 3	IC 410-528230/5	LL15X04.D
Level 4	IC 410-528230/6	LL15X05.D
Level 5	IC 410-528230/7	LL15X06.D
Level 6	IC 410-528230/8	LL15X07.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Chlorotrifluoroethene	FB	Ave	23716 1744981	49464	113402	305333	626991	4.00 300	10.0	20.0	50.0	100
Chlorodifluoromethane	TBAd10	Ave	46483 3304483	100597	221657	577959	1153471	4.00 300	10.0	20.0	50.0	100
Freon 133a	FB	Ave	38271 2841612	87721	192759	499347	995746	4.00 300	10.0	20.0	50.0	100
Ethanol	TBAd10	Ave	19506 597380	42182	77587	98511	188400	250 7500	500	1000	1250	2500
Acetonitrile	TBAd10	Ave	+++++ 1860511	67740	126816	320929	620769	+++++ 1500	50.0	100	250	500
Vinyl acetate	FB	Ave	49623 3893040	125368	260476	639757	1195241	4.00 300	10.0	20.0	50.0	100
Ethyl acetate	FB	Ave	24017 2033746	68409	130716	332014	659940	4.00 300	10.0	20.0	50.0	100
Isopropyl acetate	FB	Ave	50332 4212078	139618	277219	699592	1374957	4.00 300	10.0	20.0	50.0	100
n-Propyl acetate	FB	Ave	9691 854597	26317	53588	140582	274130	4.00 300	10.0	20.0	50.0	100
3,4-Dichloro-1-butene	CBZd5	Ave	22799 1942678	60148	123012	328113	636831	4.00 300	10.00	20.0	50.0	100.0
Butyl acetate	CBZd5	Ave	41253 3410486	112284	223250	589134	1118632	4.00 300	10.0	20.0	50.0	100
cis-1,4-Dichloro-2-butene	CBZd5	Ave	10560 973975	29263	58454	162578	313461	4.00 300	10.00	20.0	50.0	100.0
Pentachloroethane	DCBd4	Ave	14953 1446446	40826	80051	212659	327916	4.00 300	10.0	20.0	50.0	100

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC | Job No.: 410-190105-1 | Analy Batch No.: 528230

SDG No.:

Instrument ID: 9915 | GC Column: R-624SilMS | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 07/15/2024 14:18 | Calibration End Date: 07/15/2024 16:11 | Calibration ID: 63832

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.: 410-190105-1 | Analy Batch No.: 528230

SDG No.:

Instrument ID: 9915 | GC Column: R-624SilMS 3 ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 07/15/2024 14:18 | Calibration End Date: 07/15/2024 16:11 | Calibration ID: 63832

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-528230/3	LL15X02.D
Level 2	IC 410-528230/4	LL15X03.D
Level 3	IC 410-528230/5	LL15X04.D
Level 4	IC 410-528230/6	LL15X05.D
Level 5	IC 410-528230/7	LL15X06.D
Level 6	IC 410-528230/8	LL15X07.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Chlorotrifluoroethene	3.9	-16.8	-3.9	5.0	8.9	3.1	50	30	30	30	30	30
Chlorodifluoromethane	3.8	-10.5	1.4	2.6	5.0	-2.4	50	30	30	30	30	30
Freon 133a	1.5	-10.7	-1.1	4.0	4.7	1.6	50	30	30	30	30	30
Ethanol	-1.6	6.0	0.2	-1.3	-3.1	-0.3	50	30	30	30	30	30
Acetonitrile	+++++	5.1	1.1	-0.7	-1.4	-4.2		50	30	30	30	30
Vinyl acetate	-0.2	-3.2	1.4	1.0	-4.7	5.6	50	30	30	30	30	30
Ethyl acetate	-7.2	1.5	-2.3	0.7	1.1	6.0	50	30	30	30	30	30
Isopropyl acetate	-6.7	-0.7	-0.6	1.8	1.0	5.3	50	30	30	30	30	30
n-Propyl acetate	-8.6	-4.7	-2.2	4.1	2.5	8.8	50	30	30	30	30	30
3,4-Dichloro-1-butene	-4.6	-3.3	-3.2	1.6	4.3	5.1	50	30	30	30	30	30
Butyl acetate	-4.0	0.3	-2.3	1.5	1.9	2.6	50	30	30	30	30	30
cis-1,4-Dichloro-2-butene	-9.1	-3.2	-5.4	3.6	5.6	8.4	50	30	30	30	30	30
Pentachloroethane	-3.9	0.8	-2.5	0.7	-17.5	22.3	50	30	30	30	30	30

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9915\20240715-119345.b\LL15X02.D
Lims ID: IC sm v4
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 15-Jul-2024 14:18:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0119345-003
Misc. Info.: IC SM V4
Operator ID: knk41612 Instrument ID: 9915
Sublist: chrom-MSVoa_9915a*sub46

Method: \\chromfs\Lancaster\ChromData\9915\20240715-119345.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 16-Jul-2024 20:47:03 Calib Date: 15-Jul-2024 19:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20240715-119345.b\LL15X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1659

First Level Reviewer: DVW2 Date: 16-Jul-2024 08:01:29

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Chlorotrifluoroethene	116	1.904	1.901	0.003	44	23716	4.00	4.15	
3 Chlorodifluoromethane	51	1.946	1.946	0.000	97	46483	4.00	4.15	
7 2-Chloro-1,1,1-Trifluoroethane	118	2.319	2.313	0.006	33	38271	4.00	4.06	
14 Ethanol	45	3.078	3.097	-0.019	90	19506	250.0	246.1	M
23 Acetonitrile	41	3.872	3.891	-0.019	87	48360	20.0	37.7	M
* 28 t-Butyl alcohol-d10 (IS)	65	4.181	4.181	0.000	1	305870	250.0	250.0	
36 Vinyl acetate	43	5.200	5.187	0.013	97	49623	4.00	3.99	
44 Ethyl acetate	43	6.071	6.068	0.003	88	24017	4.00	3.71	
60 Isopropyl acetate	43	7.306	7.309	-0.003	98	50332	4.00	3.73	
* 62 Fluorobenzene (IS)	96	7.624	7.631	-0.007	99	1154938	50.0	50.0	
74 n-Propyl acetate	61	8.621	8.608	0.013	99	9691	4.00	3.66	a
126 3,4-Dichloro-1-butene	75	10.399	10.399	0.000	91	22799	4.00	3.82	
127 n-Butyl acetate	43	10.547	10.544	0.003	98	41253	4.00	3.84	
* 130 Chlorobenzene-d5 (IS)	117	11.126	11.129	-0.003	85	865196	50.0	50.0	
144 cis-1,4-Dichloro-2-butene	88	12.036	12.032	0.004	93	10560	4.00	3.64	
155 Pentachloroethane	167	12.727	12.727	0.000	89	14953	4.00	3.84	
* 160 1,4-Dichlorobenzene-d4	152	13.013	13.013	0.000	95	520920	50.0	50.0	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

MSV_CCV_V5ACE_00038	Amount Added:	4.00	Units: uL
MSV_CCV_LKB_00010	Amount Added:	4.00	Units: uL
MSV_V_SMFreon_00044	Amount Added:	2.00	Units: uL
MSV_HP23_ISO_00008	Amount Added:	1.00	Units: uL
MSV_CCV_Penta_00051	Amount Added:	4.00	Units: uL
MSV_CCV_ETOH_00006	Amount Added:	20.00	Units: uL

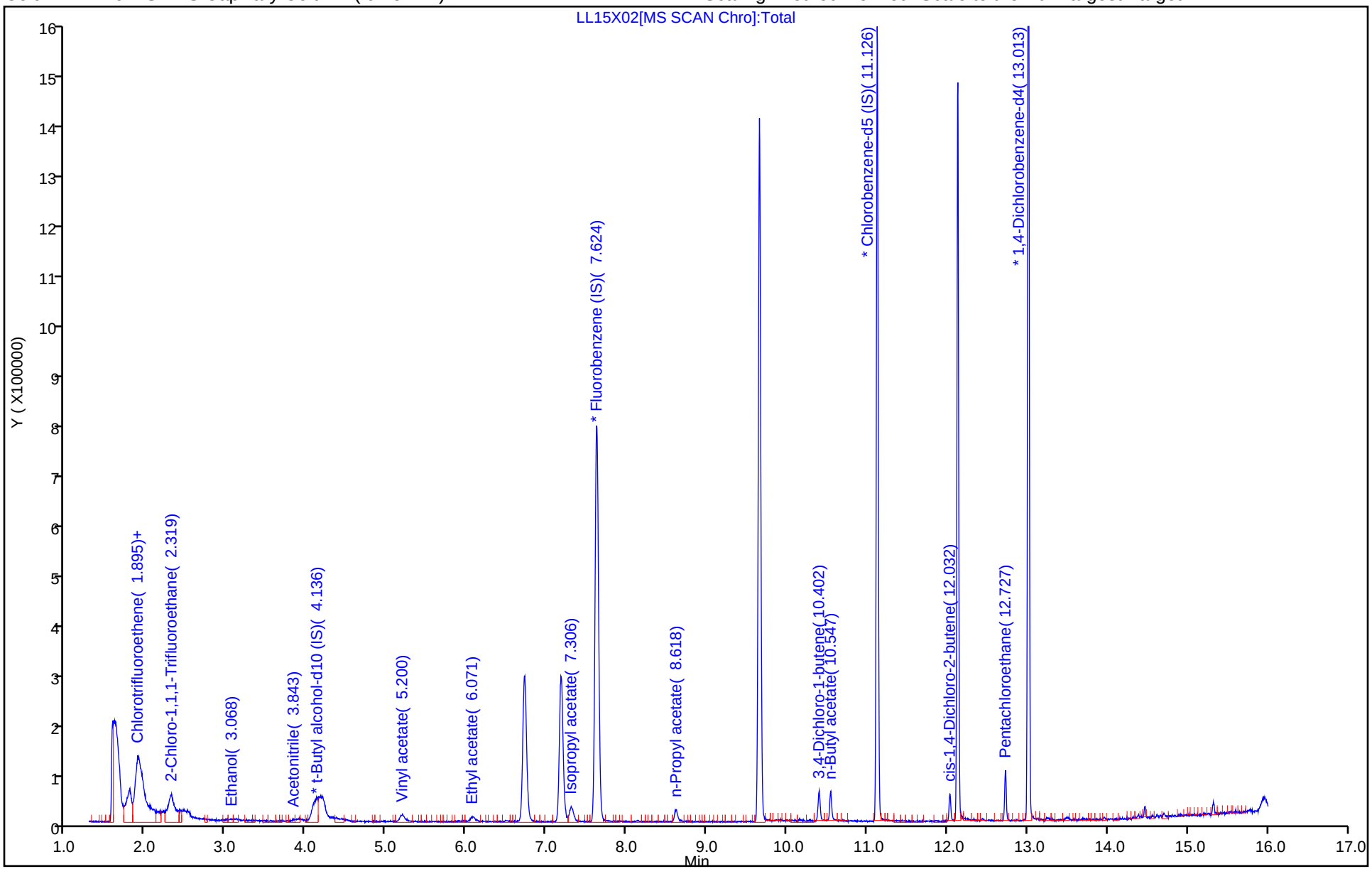
Report Date: 16-Jul-2024 20:47:03 Chrom Revision: 2.3 26-Jun-2024 16:13:32

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9915\20240715-119345.b\LL15X02.D

Injection Date:	15-Jul-2024 14:18:30	Instrument ID:	9915	Operator ID:	knk41612
Lims ID:	IC sm v4			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	MSVoa_9915a	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

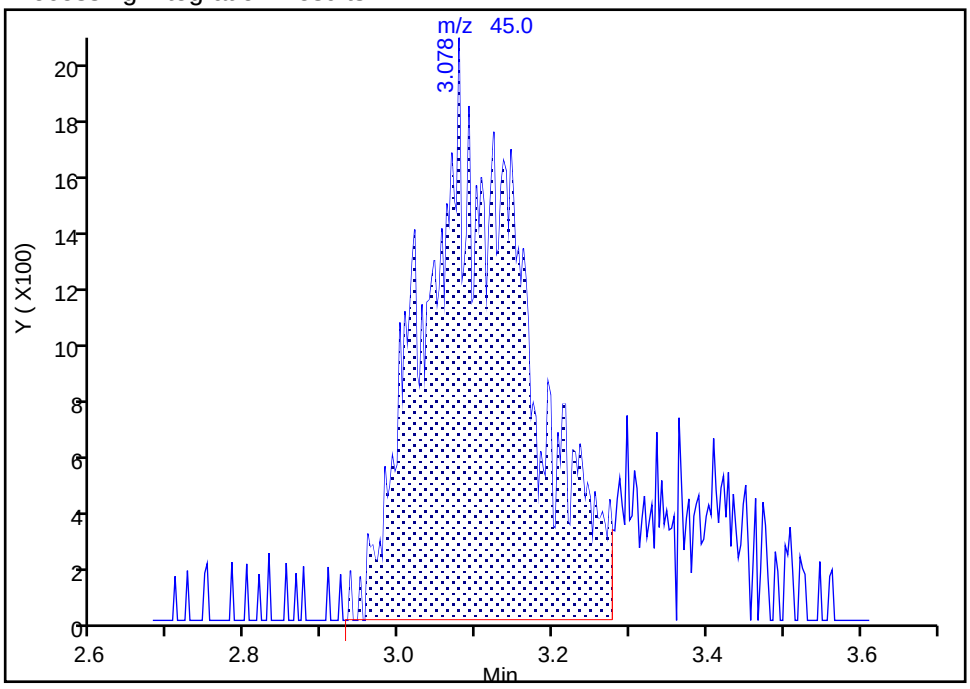
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Injection Date: 15-Jul-2024 14:18:30 Instrument ID: 9915
Lims ID: IC sm v4
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

14 Ethanol, CAS: 64-17-5

Signal: 1

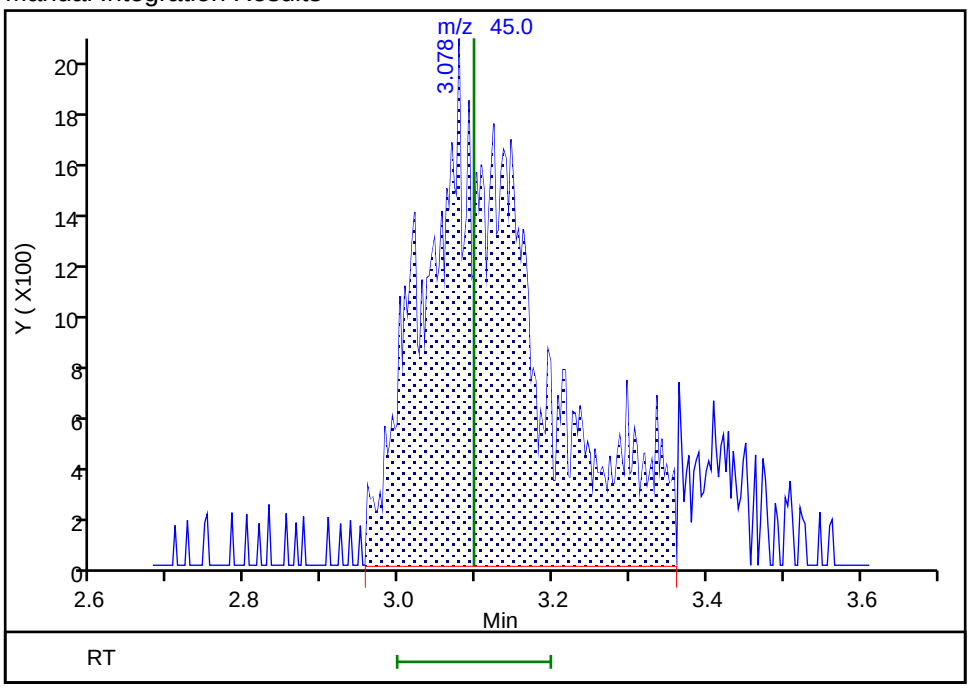
Processing Integration Results

RT: 3.08
Area: 17632
Amount: 225.9915
Amount Units: ug/l



Manual Integration Results

RT: 3.08
Area: 19506
Amount: 246.0706
Amount Units: ug/l



Reviewer: UKEK, 16-Jul-2024 19:24:31 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

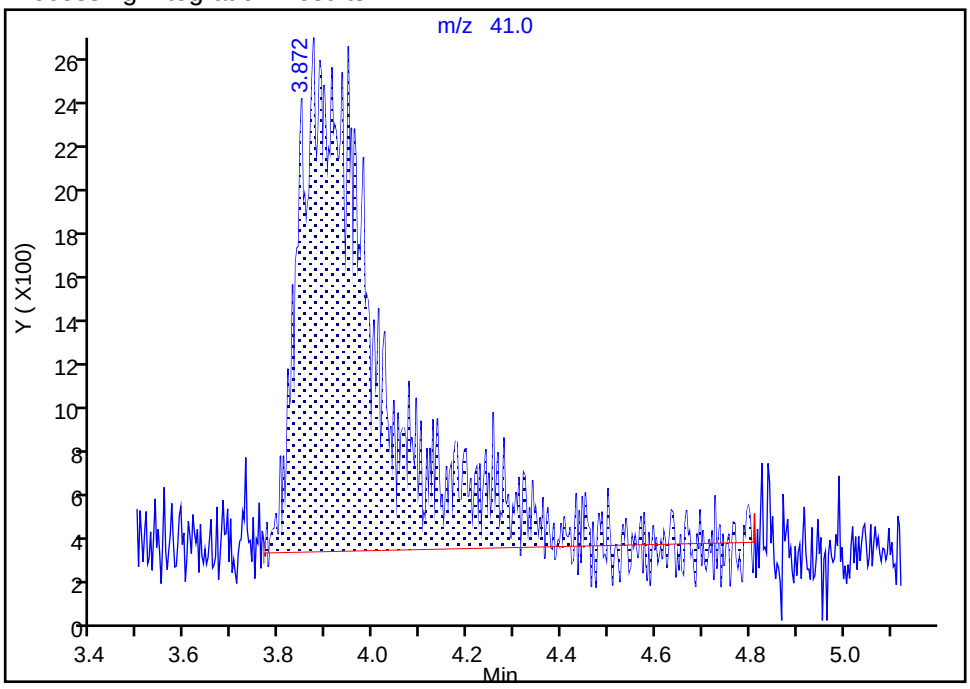
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Injection Date:	15-Jul-2024 14:18:30	Instrument ID:	9915		
Lims ID:	IC sm v4				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

23 Acetonitrile, CAS: 75-05-8

Signal: 1

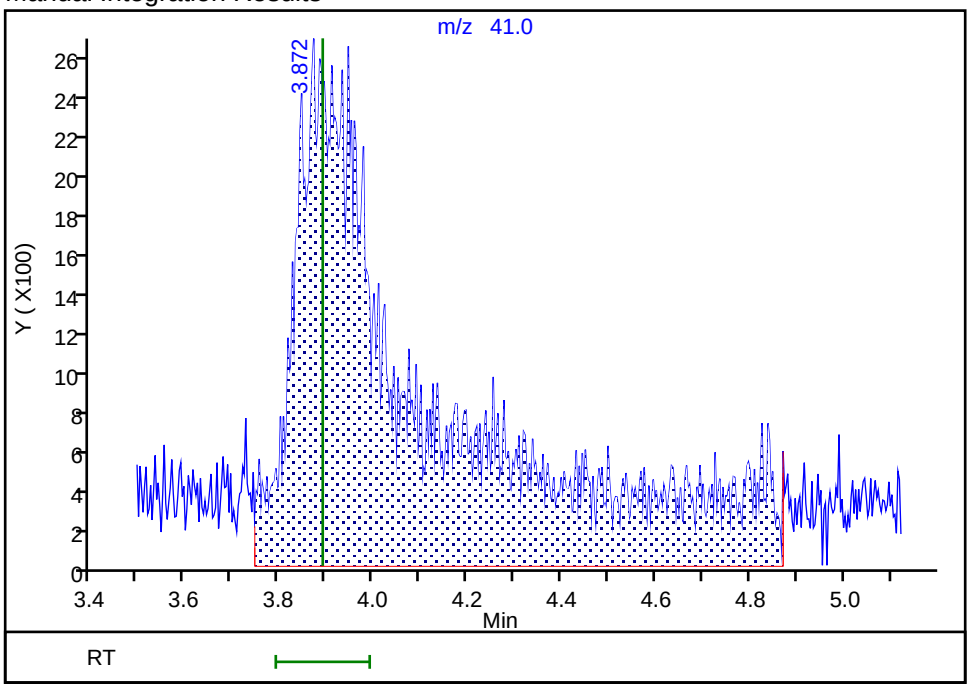
Processing Integration Results

RT: 3.87
Area: 25646
Amount: 19.979247
Amount Units: ug/l



Manual Integration Results

RT: 3.87
Area: 48360
Amount: 37.666533
Amount Units: ug/l



Reviewer: DVW2, 16-Jul-2024 08:01:18 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

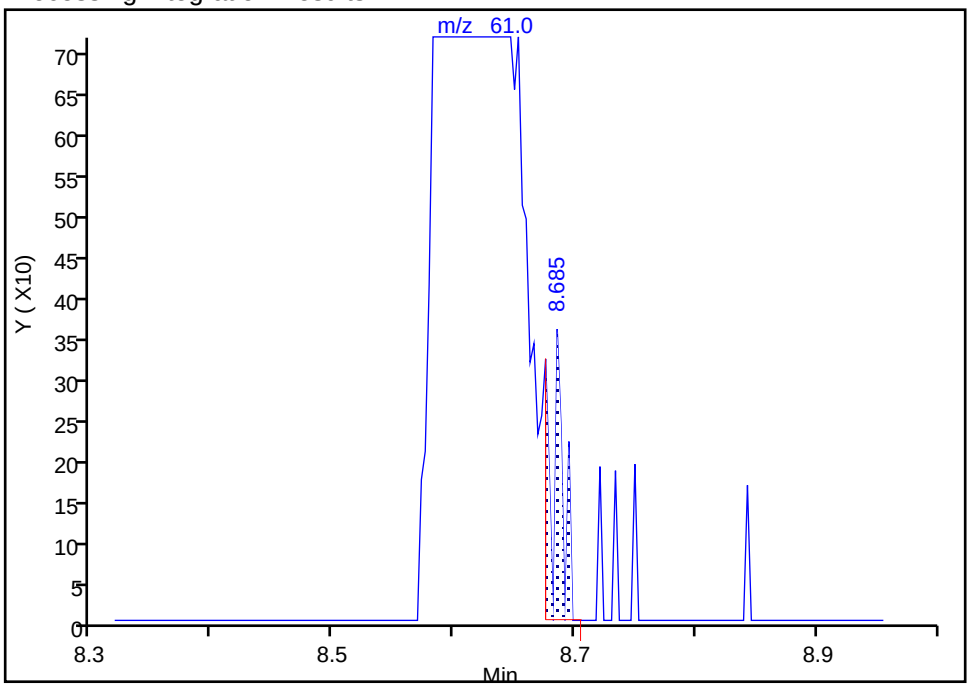
Data File: \\chromfs\Lancaster\ChromData\9915\20240715-119345.b\LL15X02.D
Injection Date: 15-Jul-2024 14:18:30 Instrument ID: 9915
Lims ID: IC sm v4
Client ID:
Operator ID: knk41612 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

74 n-Propyl acetate, CAS: 109-60-4

Signal: 1

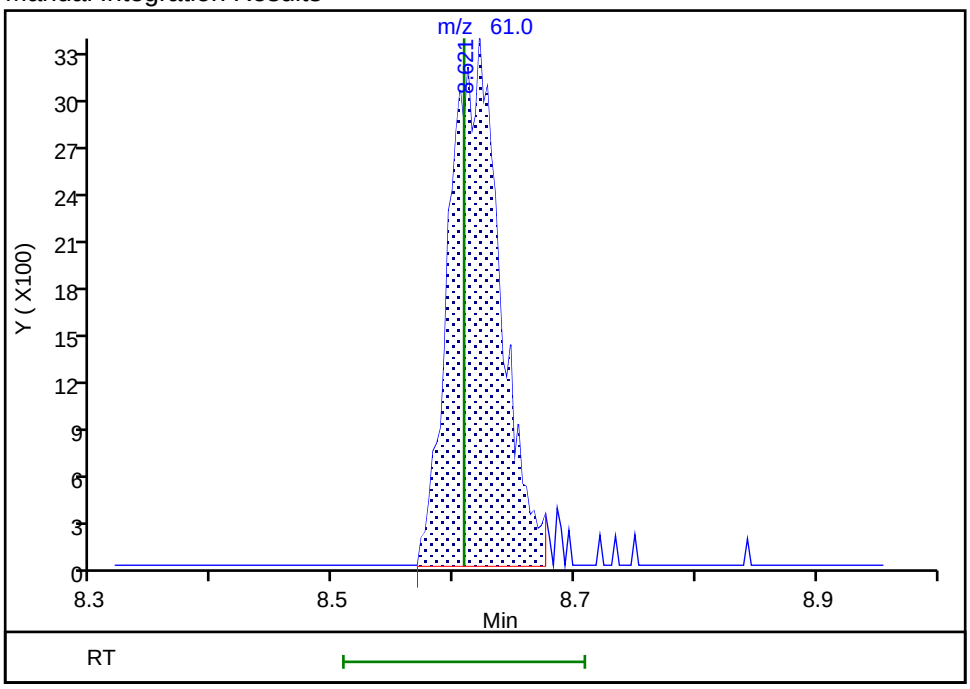
Processing Integration Results

RT: 8.69
Area: 254
Amount: 3.150082
Amount Units: ug/l



Manual Integration Results

RT: 8.62
Area: 9691
Amount: 3.657103
Amount Units: ug/l



Reviewer: DVW2, 16-Jul-2024 08:01:25 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9915\20240715-119345.b\LL15X03.D
Lims ID: IC sm v10
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 15-Jul-2024 14:41:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0119345-004
Misc. Info.: IC SM V10
Operator ID: knk41612 Instrument ID: 9915
Sublist: chrom-MSVoa_9915a*sub46

Method: \\chromfs\Lancaster\ChromData\9915\20240715-119345.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 16-Jul-2024 20:47:04 Calib Date: 15-Jul-2024 19:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20240715-119345.b\LL15X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1659

First Level Reviewer: DVW2 Date: 16-Jul-2024 08:01:39

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Chlorotrifluoroethene	116	1.914	1.901	0.013	77	49464	10.0	8.32	
3 Chlorodifluoromethane	51	1.962	1.946	0.016	97	100597	10.0	8.95	
7 2-Chloro-1,1,1-Trifluoroethane	118	2.319	2.313	0.006	46	87721	10.0	8.93	
14 Ethanol	45	3.139	3.097	0.042	90	42182	500.0	530.2	
23 Acetonitrile	41	3.895	3.891	0.004	98	67740	50.0	52.6	
* 28 t-Butyl alcohol-d10 (IS)	65	4.200	4.181	0.019	1	306984	250.0	250.0	
36 Vinyl acetate	43	5.197	5.187	0.010	97	125368	10.0	9.68	
44 Ethyl acetate	43	6.078	6.068	0.010	99	68409	10.0	10.2	
60 Isopropyl acetate	43	7.319	7.309	0.010	98	139618	10.0	9.93	
* 62 Fluorobenzene (IS)	96	7.628	7.631	-0.003	99	1203064	50.0	50.0	
74 n-Propyl acetate	61	8.618	8.608	0.010	99	26317	10.0	9.53	
126 3,4-Dichloro-1-butene	75	10.402	10.399	0.003	91	60148	10.0	9.67	
127 n-Butyl acetate	43	10.544	10.544	0.000	98	112284	10.0	10.0	
* 130 Chlorobenzene-d5 (IS)	117	11.129	11.129	0.000	85	901217	50.0	50.0	
144 cis-1,4-Dichloro-2-butene	88	12.036	12.032	0.004	95	29263	10.0	9.68	
155 Pentachloroethane	167	12.727	12.727	0.000	89	40826	10.0	10.1	
* 160 1,4-Dichlorobenzene-d4	152	13.013	13.013	0.000	95	542622	50.0	50.0	

QC Flag Legend
Processing Flags

Reagents:

MSV_CCV_V5ACE_00038	Amount Added:	2.00	Units: uL
MSV_CCV_LKB_00010	Amount Added:	2.00	Units: uL
MSV_V_SMFreon_00044	Amount Added:	1.00	Units: uL
MSV_HP23_ISO_00008	Amount Added:	1.00	Units: uL
MSV_CCV_Penta_00051	Amount Added:	2.00	Units: uL
MSV_CCV_ETOH_00006	Amount Added:	8.00	Units: uL

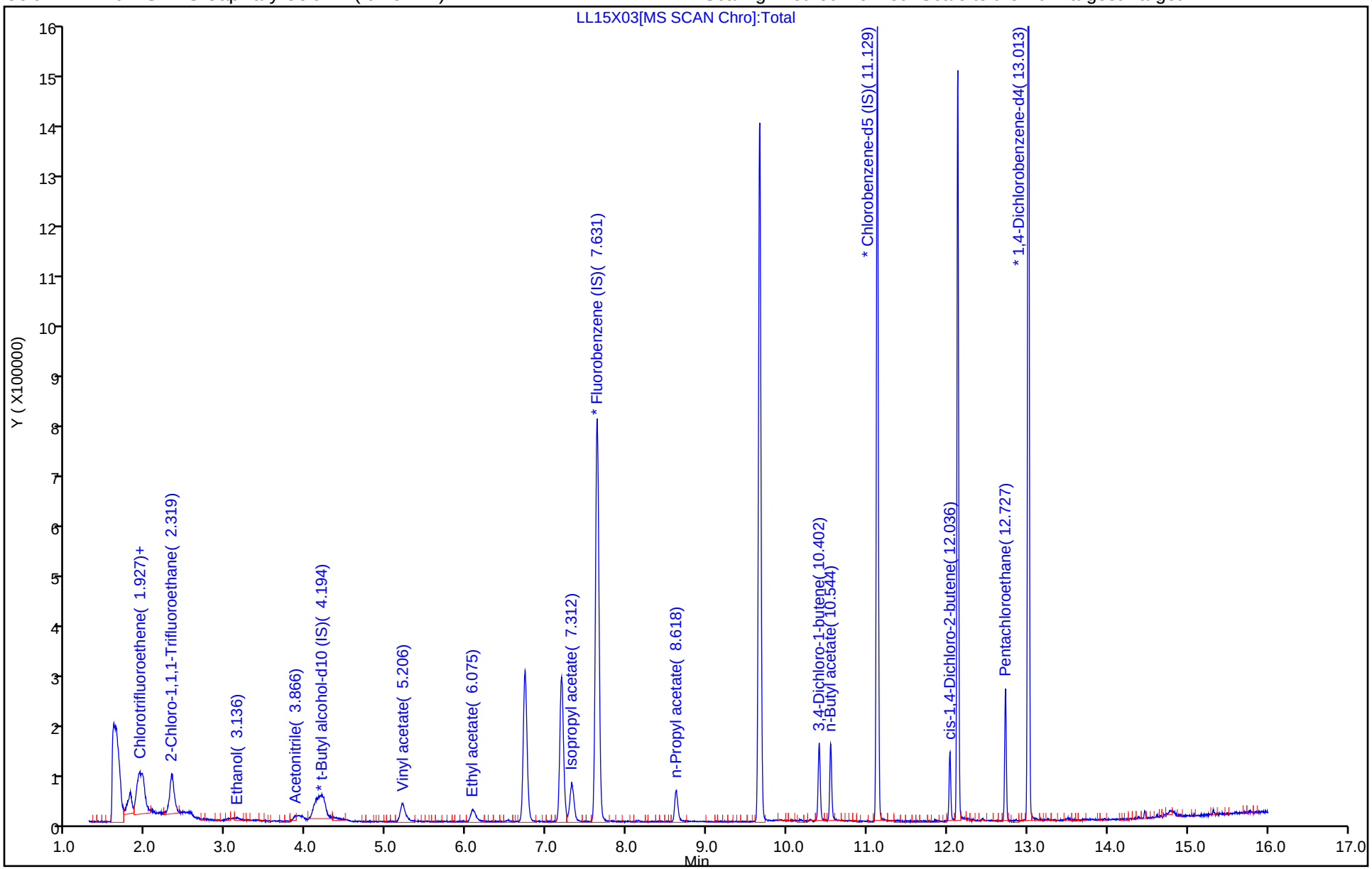
Report Date: 16-Jul-2024 20:47:05 Chrom Revision: 2.3 26-Jun-2024 16:13:32

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9915\20240715-119345.b\LL15X03.D

Injection Date:	15-Jul-2024 14:41:30	Instrument ID:	9915	Operator ID:	knk41612
Lims ID:	IC sm v10			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	MSVoa_9915a	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\9915\20240715-119345.b\LL15X04.D
Lims ID: IC sm v20
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 15-Jul-2024 15:03:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0119345-005
Misc. Info.: IC SM V20
Operator ID: knk41612 Instrument ID: 9915
Sublist: chrom-MSVoa_9915a*sub46

Method: \\chromfs\Lancaster\ChromData\9915\20240715-119345.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 16-Jul-2024 20:47:06 Calib Date: 15-Jul-2024 19:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20240715-119345.b\LL15X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1659

First Level Reviewer: DVW2 Date: 16-Jul-2024 08:01:52

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Chlorotrifluoroethene	116	1.904	1.901	0.003	78	113402	20.0	19.2	
3 Chlorodifluoromethane	51	1.965	1.946	0.019	98	221657	20.0	20.3	
7 2-Chloro-1,1,1-Trifluoroethane	118	2.322	2.313	0.009	97	192759	20.0	19.8	
14 Ethanol	45	3.110	3.097	0.013	94	77587	1000.0	1002.3	
23 Acetonitrile	41	3.878	3.891	-0.013	96	126816	100.0	101.1	
* 28 t-Butyl alcohol-d10 (IS)	65	4.187	4.181	0.006	1	298696	250.0	250.0	
36 Vinyl acetate	43	5.193	5.187	0.006	97	260476	20.0	20.3	
44 Ethyl acetate	43	6.081	6.068	0.013	99	130716	20.0	19.5	
60 Isopropyl acetate	43	7.316	7.309	0.007	97	277219	20.0	19.9	
* 62 Fluorobenzene (IS)	96	7.631	7.631	0.000	99	1193983	50.0	50.0	
74 n-Propyl acetate	61	8.615	8.608	0.007	99	53588	20.0	19.6	
126 3,4-Dichloro-1-butene	75	10.402	10.399	0.003	91	123012	20.0	19.4	
127 n-Butyl acetate	43	10.544	10.544	0.000	98	223250	20.0	19.5	
* 130 Chlorobenzene-d5 (IS)	117	11.129	11.129	0.000	85	920510	50.0	50.0	
144 cis-1,4-Dichloro-2-butene	88	12.032	12.032	0.000	96	58454	20.0	18.9	
155 Pentachloroethane	167	12.727	12.727	0.000	91	80051	20.0	19.5	
* 160 1,4-Dichlorobenzene-d4	152	13.013	13.013	0.000	95	549960	50.0	50.0	

QC Flag Legend
Processing Flags

Reagents:

MSV_CCV_V5ACE_00038	Amount Added:	4.00	Units: uL
MSV_CCV_LKB_00010	Amount Added:	4.00	Units: uL
MSV_V_SMFreon_00044	Amount Added:	2.00	Units: uL
MSV_HP23_ISO_00008	Amount Added:	1.00	Units: uL
MSV_CCV_Penta_00051	Amount Added:	4.00	Units: uL
MSV_CCV_ETOH_00006	Amount Added:	16.00	Units: uL

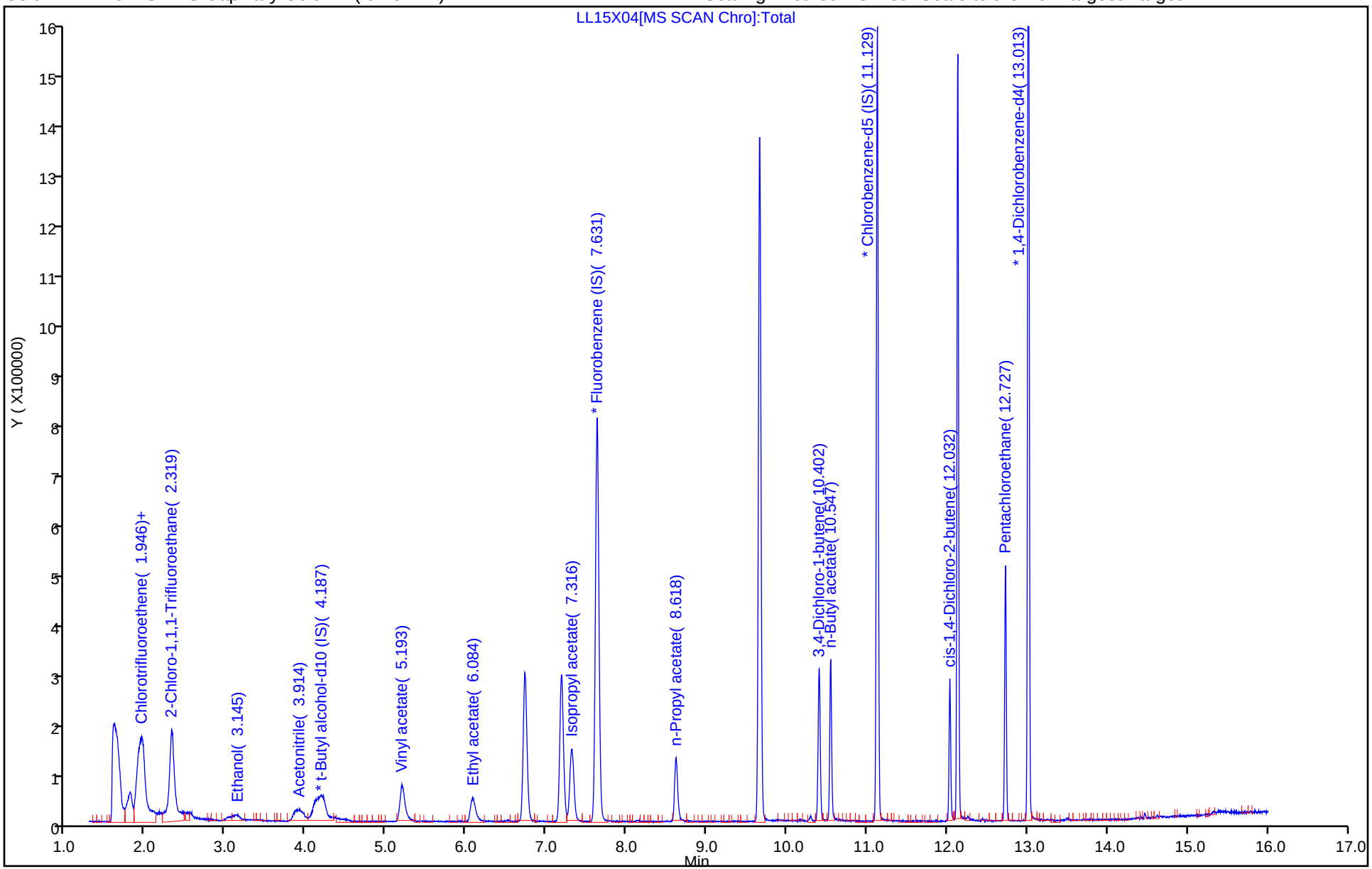
Report Date: 16-Jul-2024 20:47:06 Chrom Revision: 2.3 26-Jun-2024 16:13:32

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9915\20240715-119345.b\LL15X04.D

Injection Date:	15-Jul-2024 15:03:30	Instrument ID:	9915	Operator ID:	knk41612
Lims ID:	IC sm v20			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	MSVoa_9915a	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\9915\20240715-119345.b\LL15X05.D
Lims ID: IC sm v50
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 15-Jul-2024 15:26:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0119345-006
Misc. Info.: IC SM V50
Operator ID: knk41612 Instrument ID: 9915
Sublist: chrom-MSVoa_9915a*sub46

Method: \\chromfs\Lancaster\ChromData\9915\20240715-119345.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 16-Jul-2024 20:47:08 Calib Date: 15-Jul-2024 19:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20240715-119345.b\LL15X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1659

First Level Reviewer: DVW2 Date: 15-Jul-2024 16:14:44

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Chlorotrifluoroethene	116	1.901	1.901	0.000	91	305333	50.0	52.5	
3 Chlorodifluoromethane	51	1.946	1.946	0.000	97	577959	50.0	51.3	
7 2-Chloro-1,1,1-Trifluoroethane	118	2.313	2.313	0.000	34	499347	50.0	52.0	
14 Ethanol	45	3.097	3.097	0.000	92	98511	1250.0	1234.3	
23 Acetonitrile	41	3.891	3.891	0.000	99	320929	250.0	248.3	
* 28 t-Butyl alcohol-d10 (IS)	65	4.181	4.181	0.000	24	307948	250.0	250.0	
36 Vinyl acetate	43	5.187	5.187	0.000	97	639757	50.0	50.5	
44 Ethyl acetate	43	6.068	6.068	0.000	99	332014	50.0	50.4	
60 Isopropyl acetate	43	7.309	7.309	0.000	98	699592	50.0	50.9	
* 62 Fluorobenzene (IS)	96	7.628	7.628	0.000	99	1176815	50.0	50.0	
74 n-Propyl acetate	61	8.608	8.608	0.000	99	140582	50.0	52.1	
126 3,4-Dichloro-1-butene	75	10.399	10.399	0.000	92	328113	50.0	50.8	
127 n-Butyl acetate	43	10.544	10.544	0.000	98	589134	50.0	50.7	
* 130 Chlorobenzene-d5 (IS)	117	11.126	11.126	0.000	85	935377	50.0	50.0	
144 cis-1,4-Dichloro-2-butene	88	12.032	12.032	0.000	98	162578	50.0	51.8	
155 Pentachloroethane	167	12.727	12.727	0.000	92	212659	50.0	50.4	
* 160 1,4-Dichlorobenzene-d4	152	13.013	13.013	0.000	95	565579	50.0	50.0	

QC Flag Legend
Processing Flags

Reagents:

MSV_CCV_V5ACE_00038	Amount Added:	5.00	Units: uL
MSV_CCV_LKB_00010	Amount Added:	5.00	Units: uL
MSV_V_SMFreon_00044	Amount Added:	2.50	Units: uL
MSV_HP23_ISO_00008	Amount Added:	1.00	Units: uL
MSV_CCV_Penta_00051	Amount Added:	5.00	Units: uL
MSV_CCV_ETOH_00006	Amount Added:	10.00	Units: uL

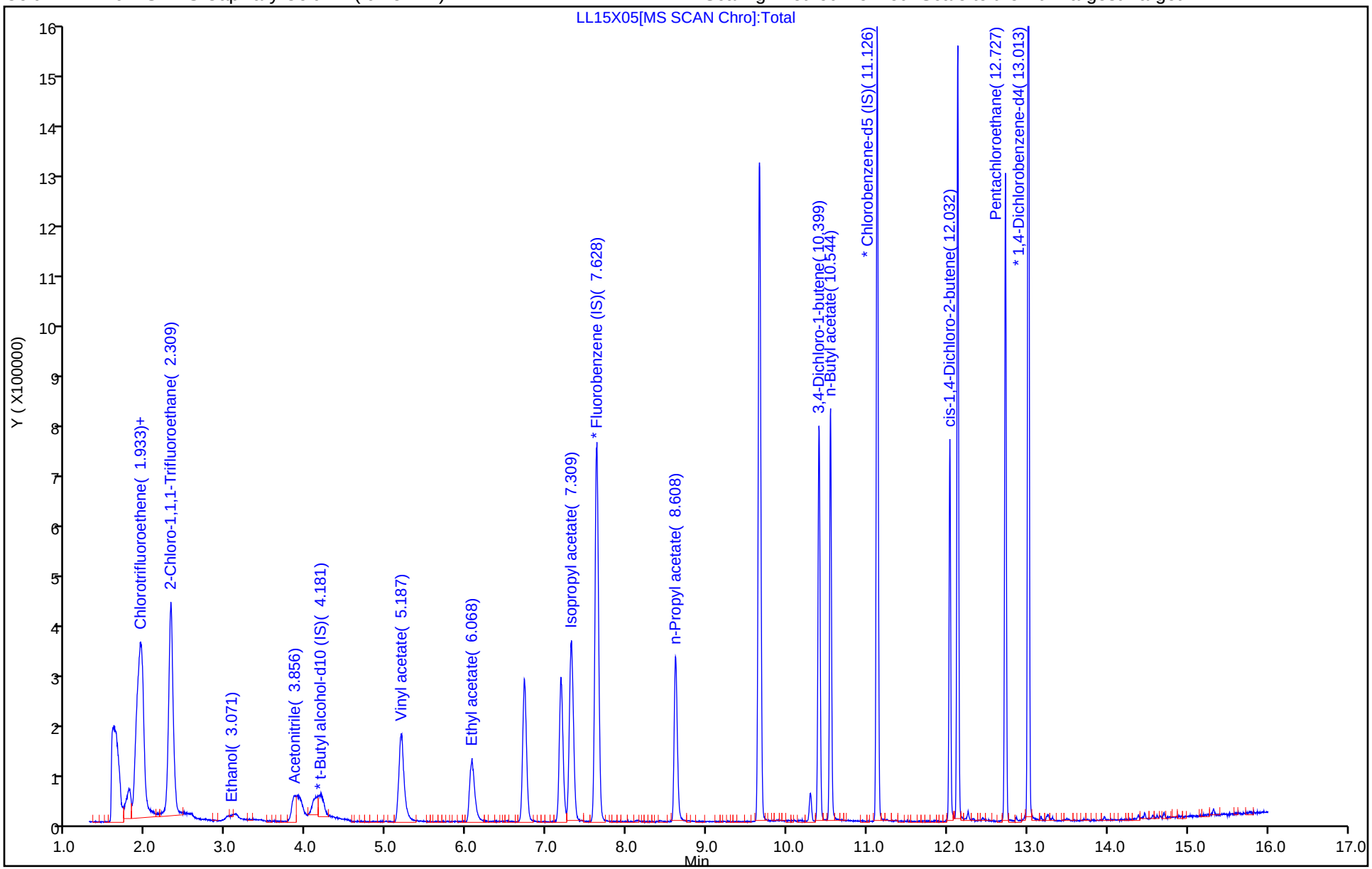
Report Date: 16-Jul-2024 20:47:08 Chrom Revision: 2.3 26-Jun-2024 16:13:32

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9915\20240715-119345.b\LL15X05.D

Injection Date:	15-Jul-2024 15:26:30	Instrument ID:	9915	Operator ID:	knk41612
Lims ID:	IC sm v50			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	MSVoa_9915a	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\9915\20240715-119345.b\LL15X06.D
Lims ID: IC sm v100
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 15-Jul-2024 15:48:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0119345-007
Misc. Info.: IC SM V100
Operator ID: knk41612 Instrument ID: 9915
Sublist: chrom-MSVoa_9915a*sub46

Method: \\chromfs\Lancaster\ChromData\9915\20240715-119345.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 16-Jul-2024 20:47:11 Calib Date: 15-Jul-2024 19:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20240715-119345.b\LL15X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1659

First Level Reviewer: DVW2 Date: 16-Jul-2024 08:00:42

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Chlorotrifluoroethene	116	1.904	1.901	0.003	92	626991	100.0	108.9	
3 Chlorodifluoromethane	51	1.959	1.946	0.013	97	1153471	100.0	105.0	
7 2-Chloro-1,1,1-Trifluoroethane	118	2.322	2.313	0.009	36	995746	100.0	104.7	
14 Ethanol	45	3.107	3.097	0.010	98	188400	2500.1	2422.6	
23 Acetonitrile	41	3.862	3.891	-0.029	97	620769	500.0	492.8	
* 28 t-Butyl alcohol-d10 (IS)	65	4.184	4.181	0.003	4	300070	250.0	250.0	
36 Vinyl acetate	43	5.193	5.187	0.006	97	1195241	100.0	95.3	
44 Ethyl acetate	43	6.074	6.068	0.006	99	659940	100.0	101.1	
60 Isopropyl acetate	43	7.312	7.309	0.003	98	1374957	100.0	101.0	
* 62 Fluorobenzene (IS)	96	7.631	7.628	0.003	99	1165166	50.0	50.0	
74 n-Propyl acetate	61	8.611	8.608	0.003	99	274130	100.0	102.5	
126 3,4-Dichloro-1-butene	75	10.399	10.399	0.000	92	636831	100.0	104.3	
127 n-Butyl acetate	43	10.544	10.544	0.000	98	1118632	100.0	101.9	
* 130 Chlorobenzene-d5 (IS)	117	11.129	11.126	0.003	85	884319	50.0	50.0	
144 cis-1,4-Dichloro-2-butene	88	12.032	12.032	0.000	98	313461	100.0	105.6	
155 Pentachloroethane	167	12.727	12.727	0.000	92	327916	100.0	82.5	
* 160 1,4-Dichlorobenzene-d4	152	13.013	13.013	0.000	95	532120	50.0	50.0	

QC Flag Legend
Processing Flags

Reagents:

MSV_CCV_V5ACE_00038	Amount Added:	5.00	Units: uL
MSV_CCV_LKB_00010	Amount Added:	5.00	Units: uL
MSV_V_SMFreon_00044	Amount Added:	2.50	Units: uL
MSV_HP23_ISO_00008	Amount Added:	1.00	Units: uL
MSV_CCV_Penta_00051	Amount Added:	5.00	Units: uL
MSV_CCV_ETOH_00006	Amount Added:	10.00	Units: uL

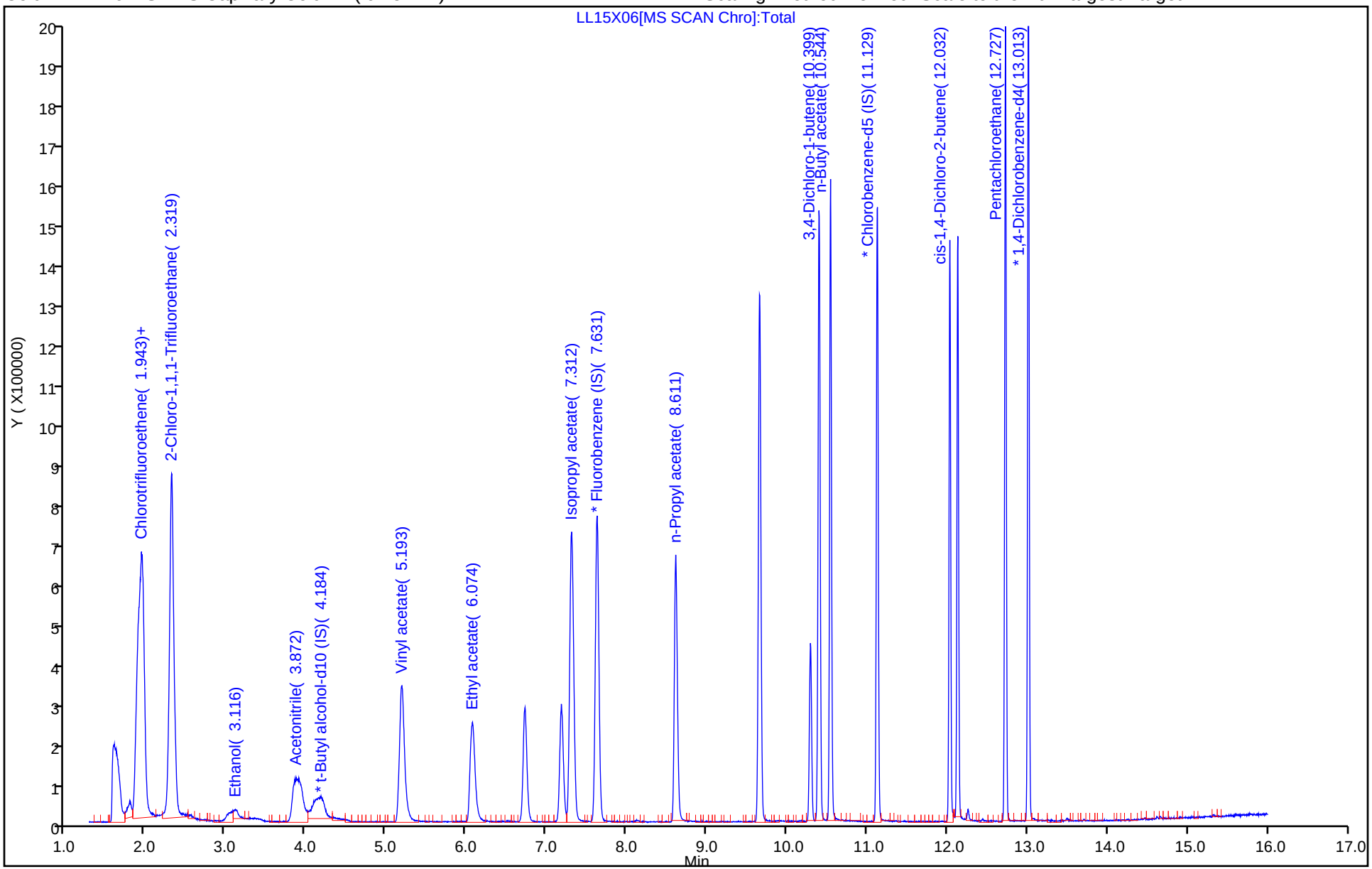
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Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9915\20240715-119345.b\LL15X06.D

Injection Date:	15-Jul-2024 15:48:30	Instrument ID:	9915	Operator ID:	knk41612
Lims ID:	IC sm v100			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	MSVoa_9915a	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\9915\20240715-119345.b\LL15X07.D
Lims ID: IC sm v300
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 15-Jul-2024 16:11:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0119345-008
Misc. Info.: IC SM V300
Operator ID: knk41612 Instrument ID: 9915
Sublist: chrom-MSVoa_9915a*sub46

Method: \\chromfs\Lancaster\ChromData\9915\20240715-119345.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 16-Jul-2024 20:47:12 Calib Date: 15-Jul-2024 19:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20240715-119345.b\LL15X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1659

First Level Reviewer: DVW2 Date: 16-Jul-2024 08:00:52

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Chlorotrifluoroethene	116	1.904	1.901	0.003	91	1744981	300.0	309.2	
3 Chlorodifluoromethane	51	1.952	1.946	0.006	97	3304483	300.0	292.9	
7 2-Chloro-1,1,1-Trifluoroethane	118	2.312	2.313	-0.001	44	2841612	300.0	304.9	
14 Ethanol	45	3.123	3.097	0.026	98	597380	7500.3	7475.6	
23 Acetonitrile	41	3.846	3.891	-0.045	100	1860511	1500.0	1437.5	
* 28 t-Butyl alcohol-d10 (IS)	65	4.193	4.181	0.012	1	308341	250.0	250.0	
36 Vinyl acetate	43	5.187	5.187	0.000	97	3893040	300.0	316.9	
44 Ethyl acetate	43	6.071	6.068	0.003	99	2033746	300.0	318.1	
60 Isopropyl acetate	43	7.309	7.309	0.000	98	4212078	300.0	315.8	
* 62 Fluorobenzene (IS)	96	7.624	7.628	-0.004	99	1141613	50.0	50.0	
74 n-Propyl acetate	61	8.611	8.608	0.003	99	854597	300.0	326.3	
126 3,4-Dichloro-1-butene	75	10.399	10.399	0.000	92	1942678	300.0	315.4	
127 n-Butyl acetate	43	10.544	10.544	0.000	98	3410486	300.0	307.9	
* 130 Chlorobenzene-d5 (IS)	117	11.126	11.126	0.000	85	892176	50.0	50.0	
144 cis-1,4-Dichloro-2-butene	88	12.032	12.032	0.000	98	973975	300.0	325.3	
155 Pentachloroethane	167	12.727	12.727	0.000	93	1446446	300.0	367.0	
* 160 1,4-Dichlorobenzene-d4	152	13.013	13.013	0.000	95	527917	50.0	50.0	

QC Flag Legend
Processing Flags

Reagents:

MSV_CCV_V5ACE_00038	Amount Added:	15.00	Units: uL
MSV_CCV_LKB_00010	Amount Added:	15.00	Units: uL
MSV_V_SMFreon_00044	Amount Added:	7.50	Units: uL
MSV_HP23_ISO_00008	Amount Added:	1.00	Units: uL
MSV_CCV_Penta_00051	Amount Added:	15.00	Units: uL
MSV_CCV_ETOH_00006	Amount Added:	30.00	Units: uL

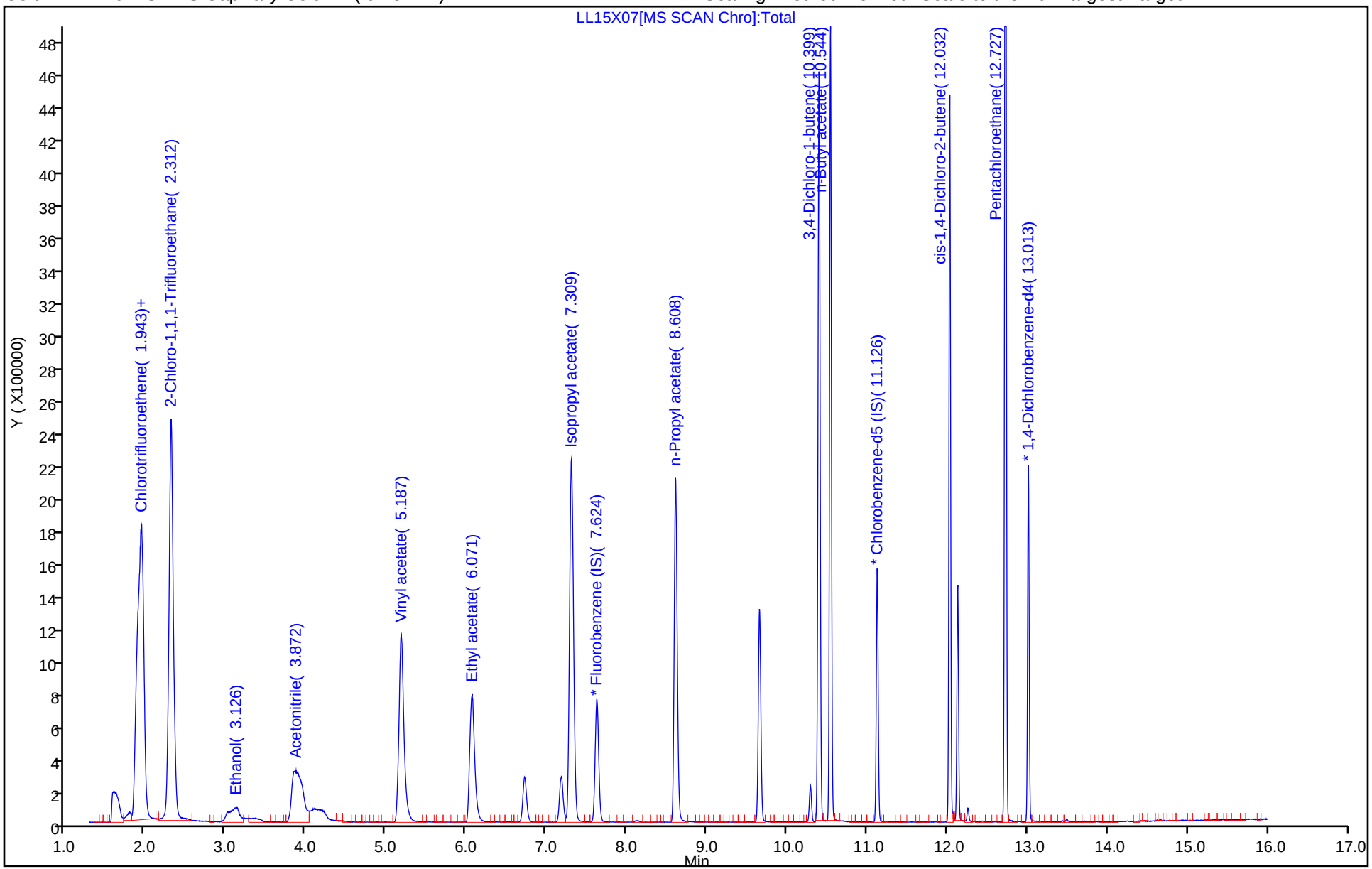
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Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9915\20240715-119345.b\LL15X07.D

Injection Date:	15-Jul-2024 16:11:30	Instrument ID:	9915	Operator ID:	knk41612
Lims ID:	IC sm v300			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	MSVoa_9915a	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



Calibration / Chlorotrifluoroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

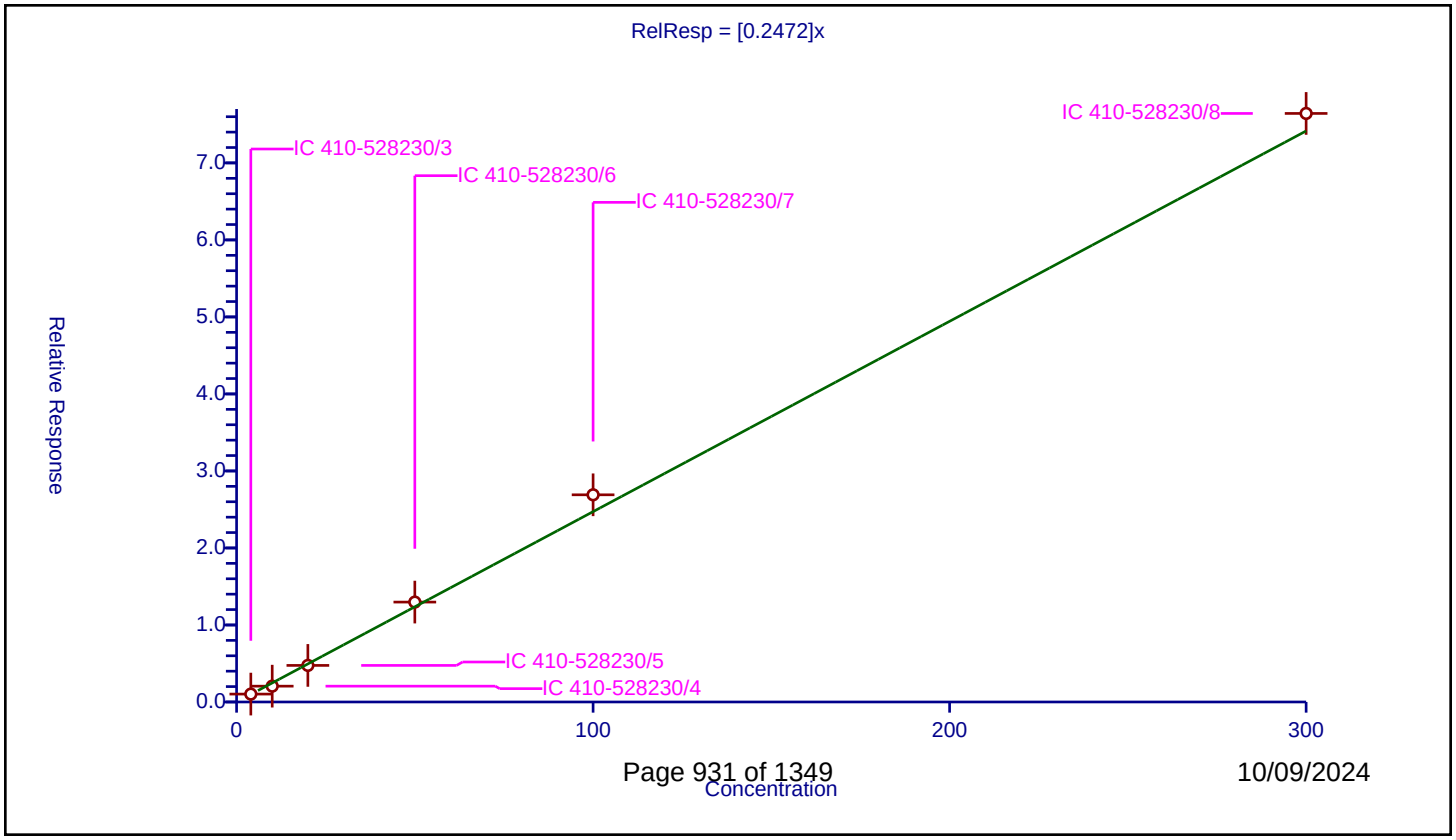
Curve Coefficients

Intercept:	0
Slope:	0.2472

Error Coefficients

Relative Standard Deviation:	9.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/3	4.0	1.026722	50.0	1154938.0	0.25668	Y
2	IC 410-528230/4	10.0	2.055751	50.0	1203064.0	0.205575	Y
3	IC 410-528230/5	20.0	4.748895	50.0	1193983.0	0.237445	Y
4	IC 410-528230/6	50.0	12.972855	50.0	1176815.0	0.259457	Y
5	IC 410-528230/7	100.0	26.905651	50.0	1165166.0	0.269057	Y
6	IC 410-528230/8	300.0	76.426118	50.0	1141613.0	0.254754	Y



Calibration / Chlorodifluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

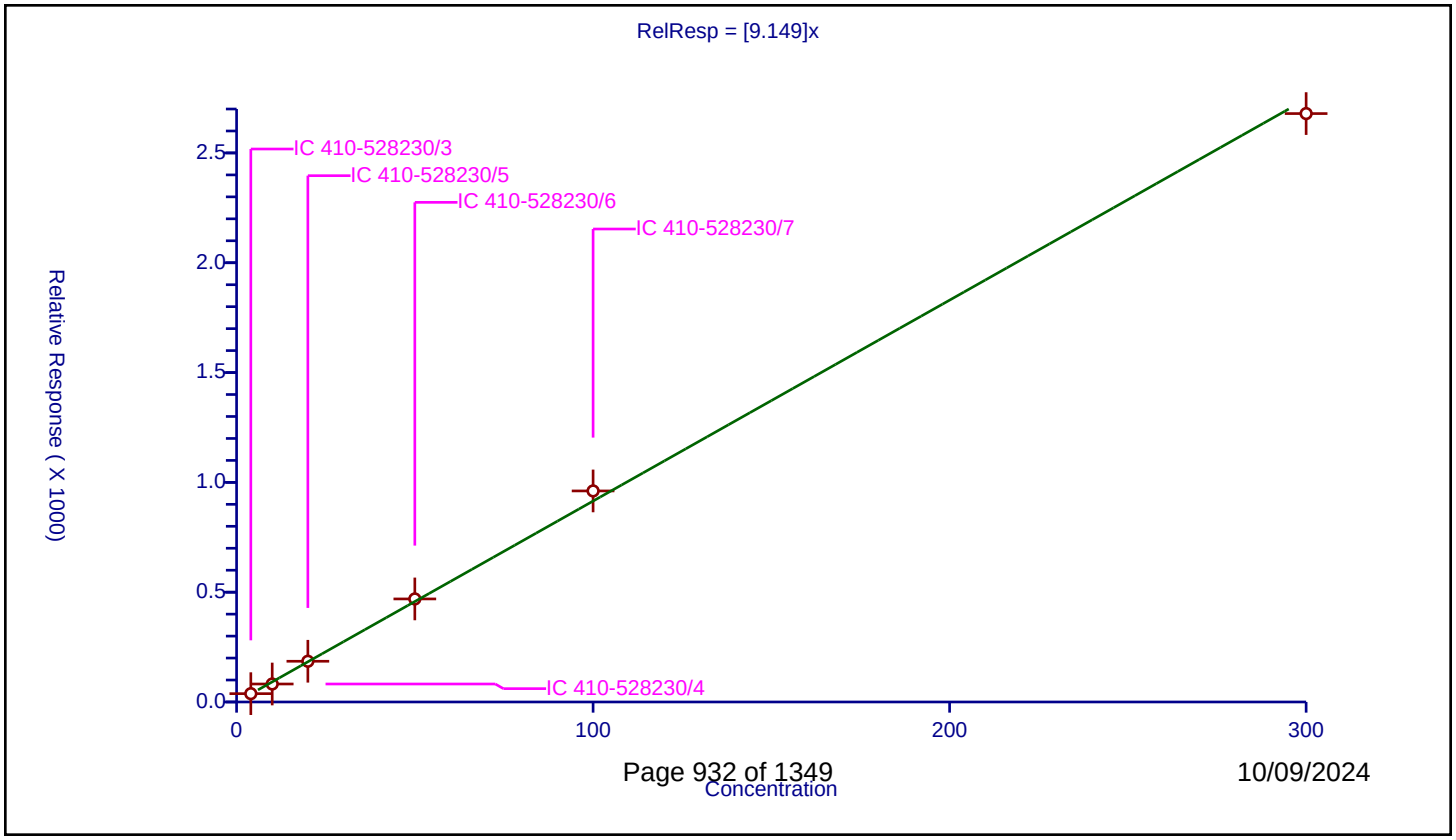
Curve Coefficients

Intercept:	0
Slope:	9.149

Error Coefficients

Relative Standard Deviation:	5.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/3	4.0	37.992448	250.0	305870.0	9.498112	Y
2	IC 410-528230/4	10.0	81.923651	250.0	306984.0	8.192365	Y
3	IC 410-528230/5	20.0	185.520563	250.0	298696.0	9.276028	Y
4	IC 410-528230/6	50.0	469.201781	250.0	307948.0	9.384036	Y
5	IC 410-528230/7	100.0	961.0016	250.0	300070.0	9.610016	Y
6	IC 410-528230/8	300.0	2679.243922	250.0	308341.0	8.930813	Y



10/09/2024

Calibration / 2-Chloro-1,1,1-Trifluoroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

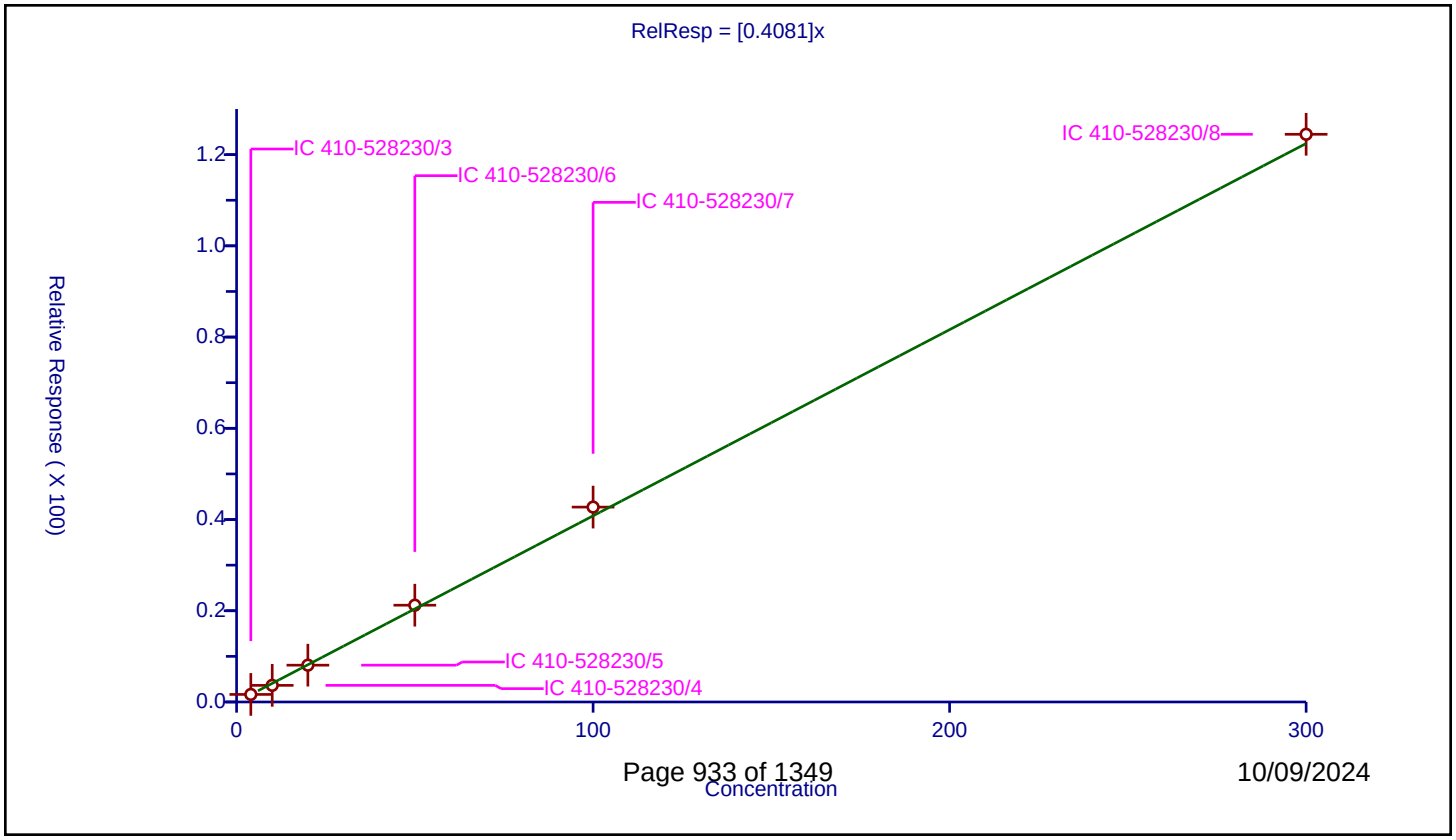
Curve Coefficients

Intercept:	0
Slope:	0.4081

Error Coefficients

Relative Standard Deviation:	5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/3	4.0	1.656842	50.0	1154938.0	0.414211	Y
2	IC 410-528230/4	10.0	3.645733	50.0	1203064.0	0.364573	Y
3	IC 410-528230/5	20.0	8.0721	50.0	1193983.0	0.403605	Y
4	IC 410-528230/6	50.0	21.216037	50.0	1176815.0	0.424321	Y
5	IC 410-528230/7	100.0	42.729791	50.0	1165166.0	0.427298	Y
6	IC 410-528230/8	300.0	124.456011	50.0	1141613.0	0.414853	Y



Calibration / Ethanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

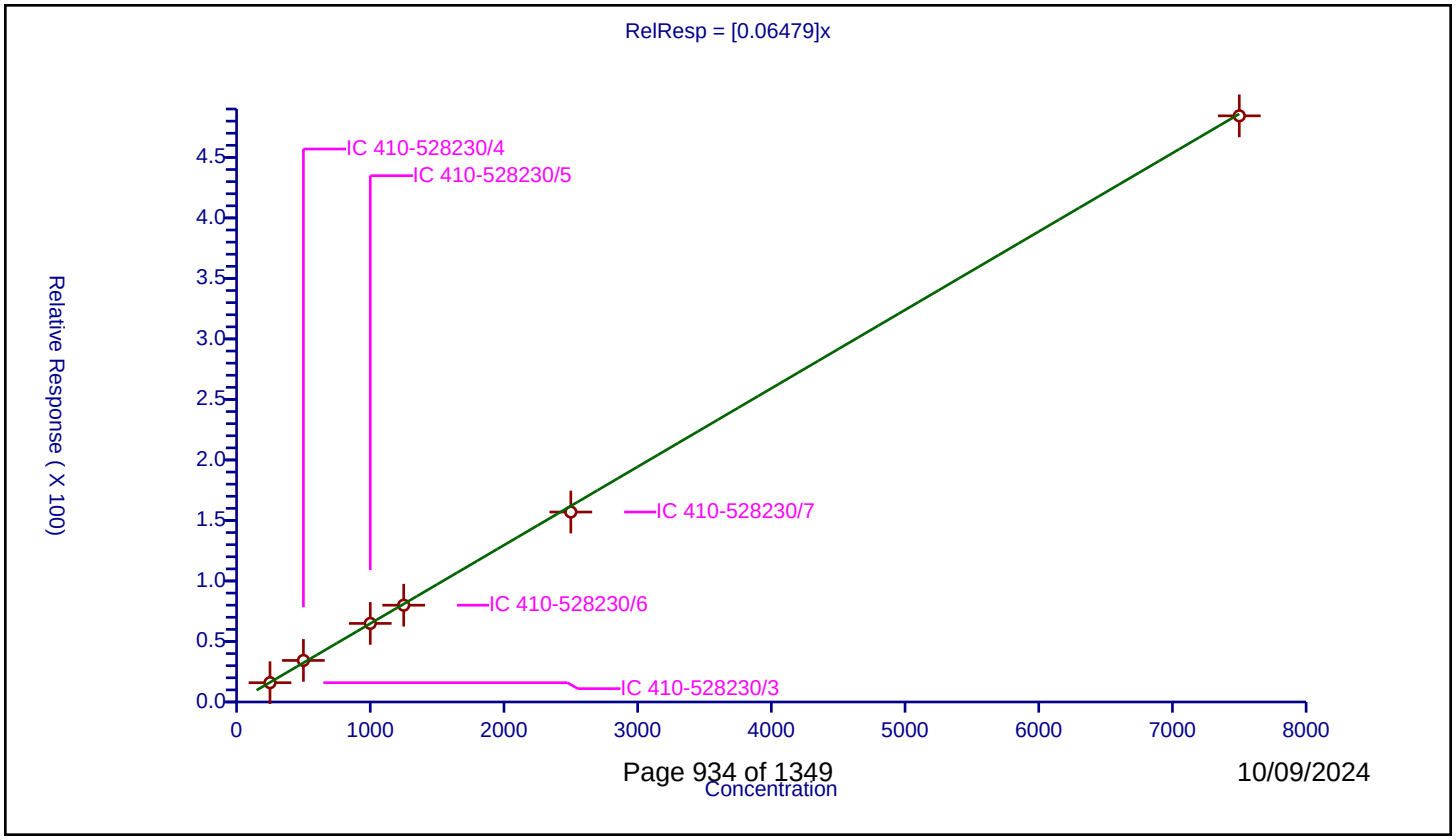
Curve Coefficients

Intercept:	0
Slope:	0.06479

Error Coefficients

Relative Standard Deviation:	3.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/3	250.009848	15.943048	250.0	305870.0	0.06377	Y
2	IC 410-528230/4	500.019696	34.351953	250.0	306984.0	0.068701	Y
3	IC 410-528230/5	1000.039392	64.938098	250.0	298696.0	0.064936	Y
4	IC 410-528230/6	1250.04924	79.973729	250.0	307948.0	0.063976	Y
5	IC 410-528230/7	2500.09848	156.963375	250.0	300070.0	0.062783	Y
6	IC 410-528230/8	7500.29544	484.350119	250.0	308341.0	0.064577	Y



Calibration / Acetonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

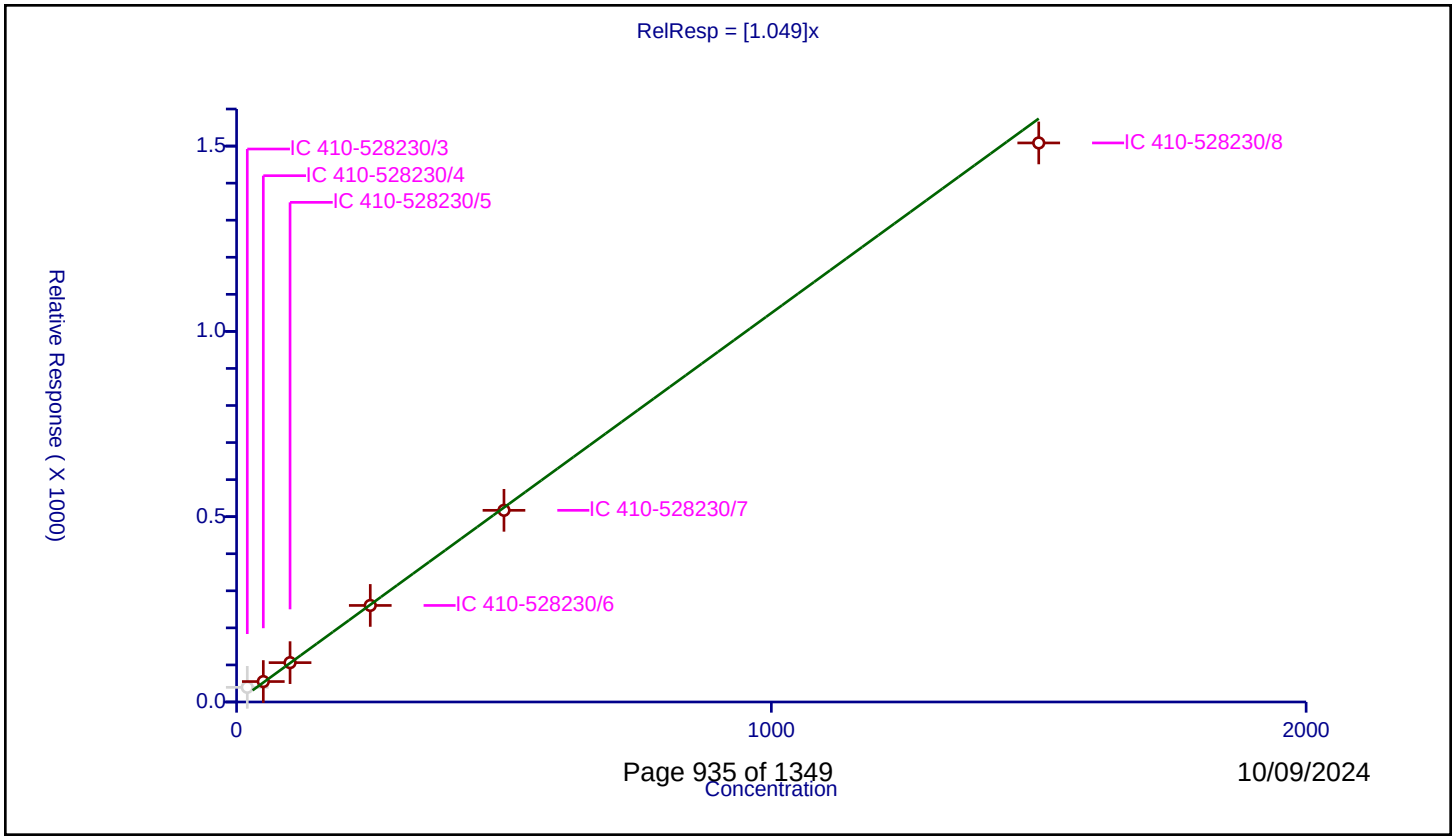
Curve Coefficients

Intercept:	0
Slope:	1.049

Error Coefficients

Relative Standard Deviation:	3.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/3	20.0	39.526596	250.0	305870.0	1.97633	N
2	IC 410-528230/4	50.0	55.165742	250.0	306984.0	1.103315	Y
3	IC 410-528230/5	100.0	106.141361	250.0	298696.0	1.061414	Y
4	IC 410-528230/6	250.0	260.538305	250.0	307948.0	1.042153	Y
5	IC 410-528230/7	500.0	517.186823	250.0	300070.0	1.034374	Y
6	IC 410-528230/8	1500.0	1508.484924	250.0	308341.0	1.005657	Y



Calibration / Vinyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

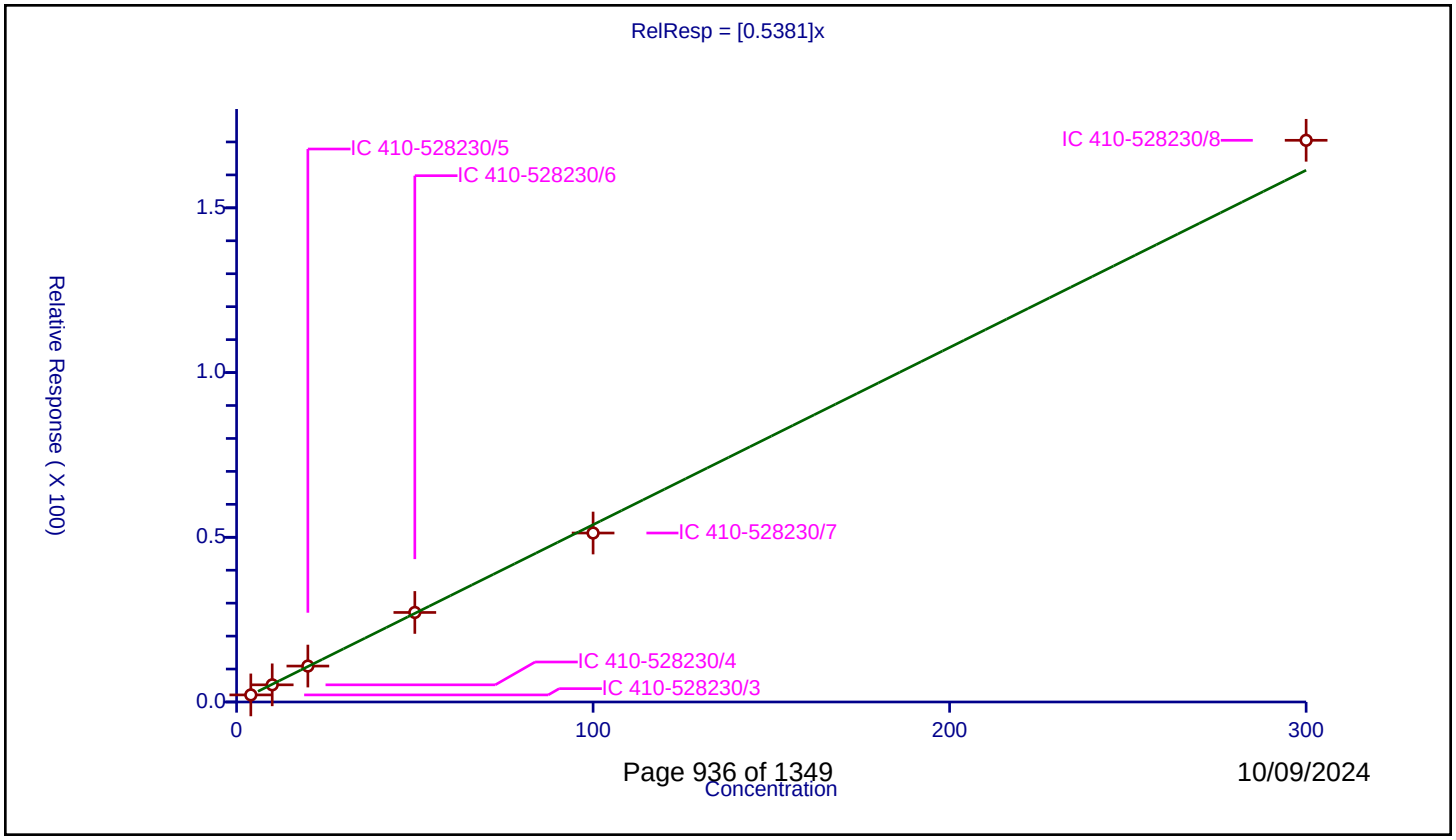
Curve Coefficients

Intercept:	0
Slope:	0.5381

Error Coefficients

Relative Standard Deviation:	3.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/3	4.0	2.148297	50.0	1154938.0	0.537074	Y
2	IC 410-528230/4	10.0	5.210363	50.0	1203064.0	0.521036	Y
3	IC 410-528230/5	20.0	10.90786	50.0	1193983.0	0.545393	Y
4	IC 410-528230/6	50.0	27.181715	50.0	1176815.0	0.543634	Y
5	IC 410-528230/7	100.0	51.290589	50.0	1165166.0	0.512906	Y
6	IC 410-528230/8	300.0	170.506117	50.0	1141613.0	0.568354	Y



Calibration / Ethyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

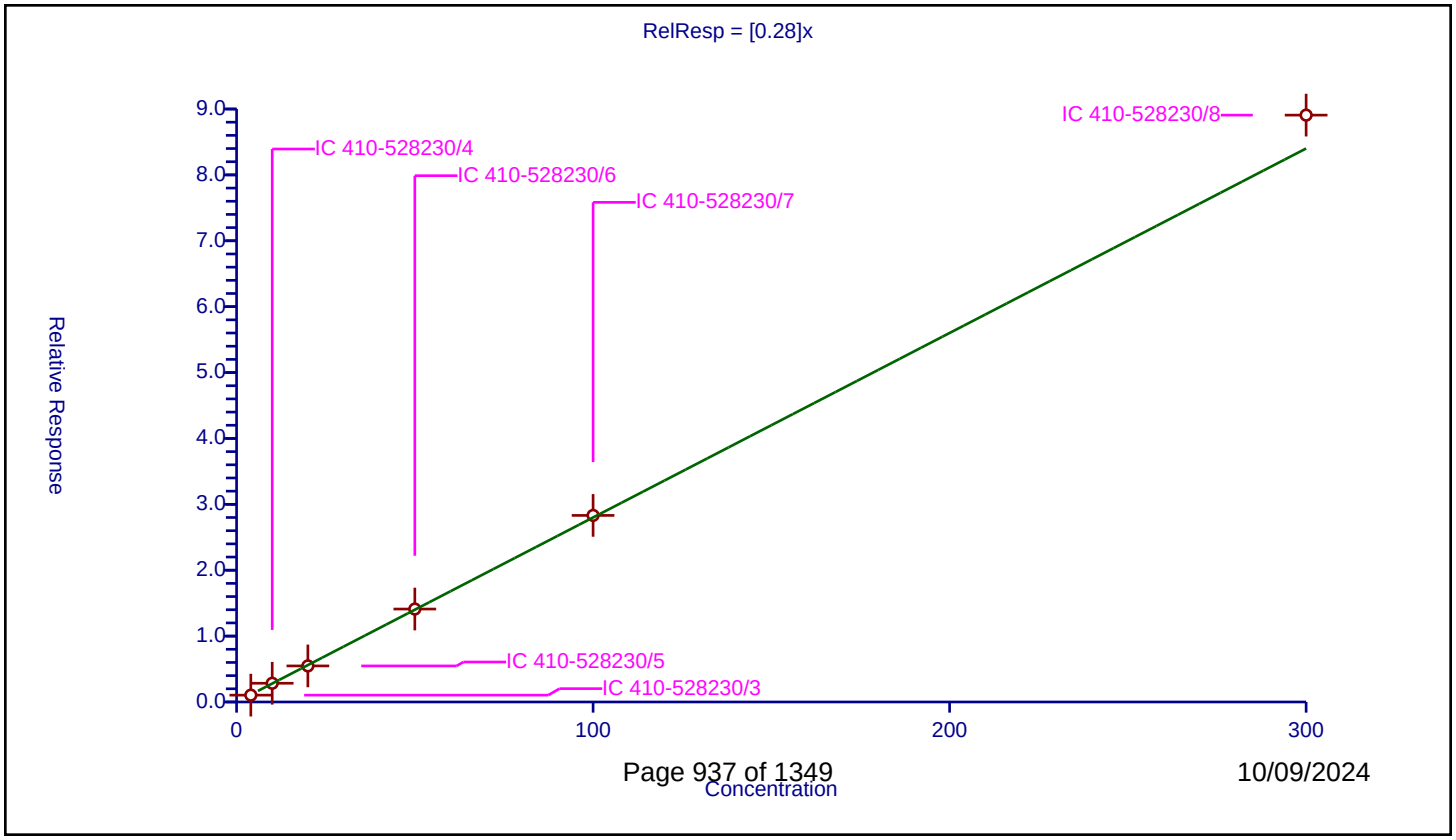
Curve Coefficients

Intercept:	0
Slope:	0.28

Error Coefficients

Relative Standard Deviation:	4.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/3	4.0	1.039753	50.0	1154938.0	0.259938	Y
2	IC 410-528230/4	10.0	2.843116	50.0	1203064.0	0.284312	Y
3	IC 410-528230/5	20.0	5.473947	50.0	1193983.0	0.273697	Y
4	IC 410-528230/6	50.0	14.106465	50.0	1176815.0	0.282129	Y
5	IC 410-528230/7	100.0	28.31957	50.0	1165166.0	0.283196	Y
6	IC 410-528230/8	300.0	89.073355	50.0	1141613.0	0.296911	Y



Calibration / Isopropyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

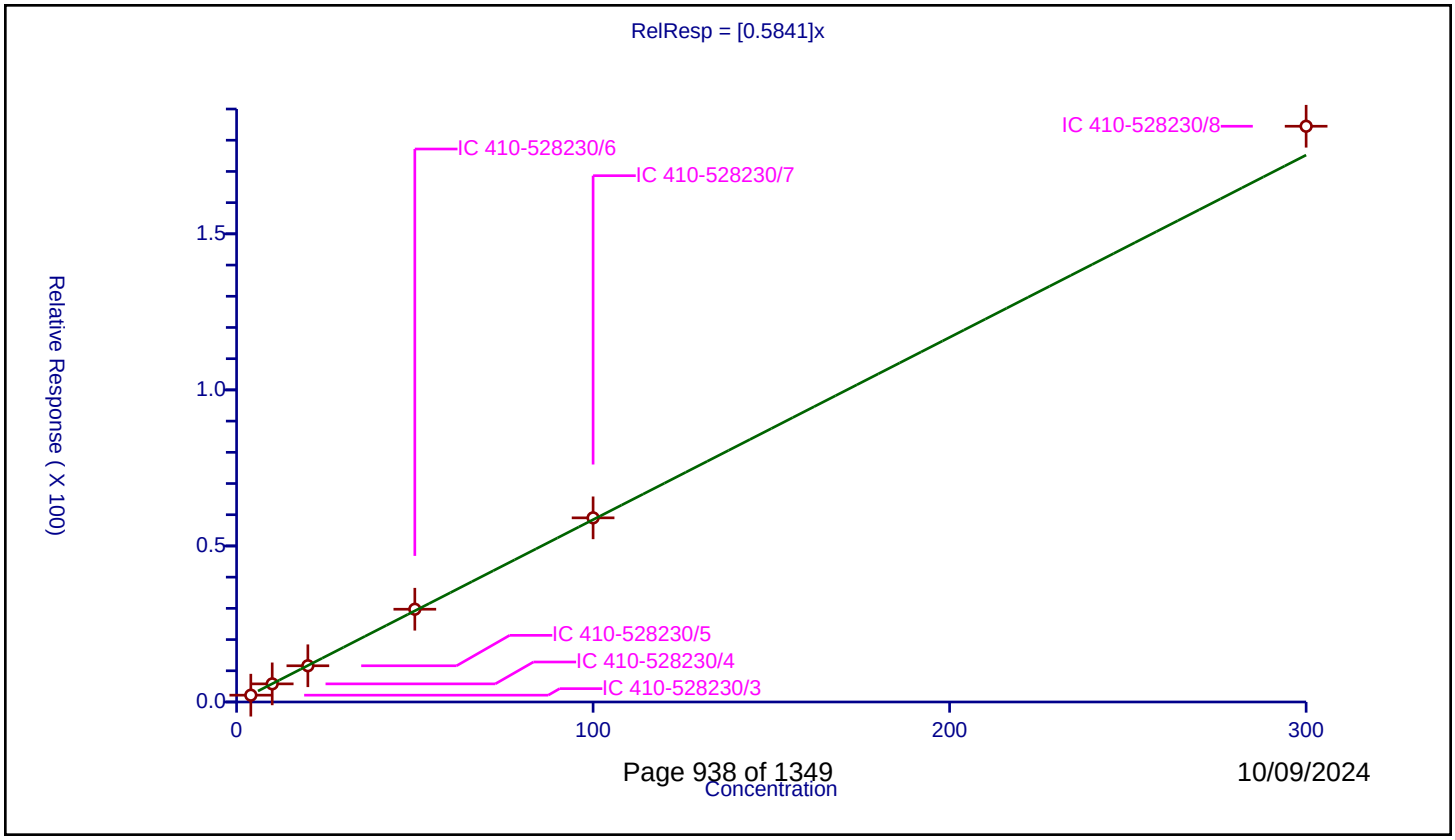
Curve Coefficients

Intercept:	0
Slope:	0.5841

Error Coefficients

Relative Standard Deviation:	4.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/3	4.0	2.178991	50.0	1154938.0	0.544748	Y
2	IC 410-528230/4	10.0	5.802601	50.0	1203064.0	0.58026	Y
3	IC 410-528230/5	20.0	11.609001	50.0	1193983.0	0.58045	Y
4	IC 410-528230/6	50.0	29.723958	50.0	1176815.0	0.594479	Y
5	IC 410-528230/7	100.0	59.002623	50.0	1165166.0	0.590026	Y
6	IC 410-528230/8	300.0	184.479241	50.0	1141613.0	0.614931	Y



Calibration / n-Propyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

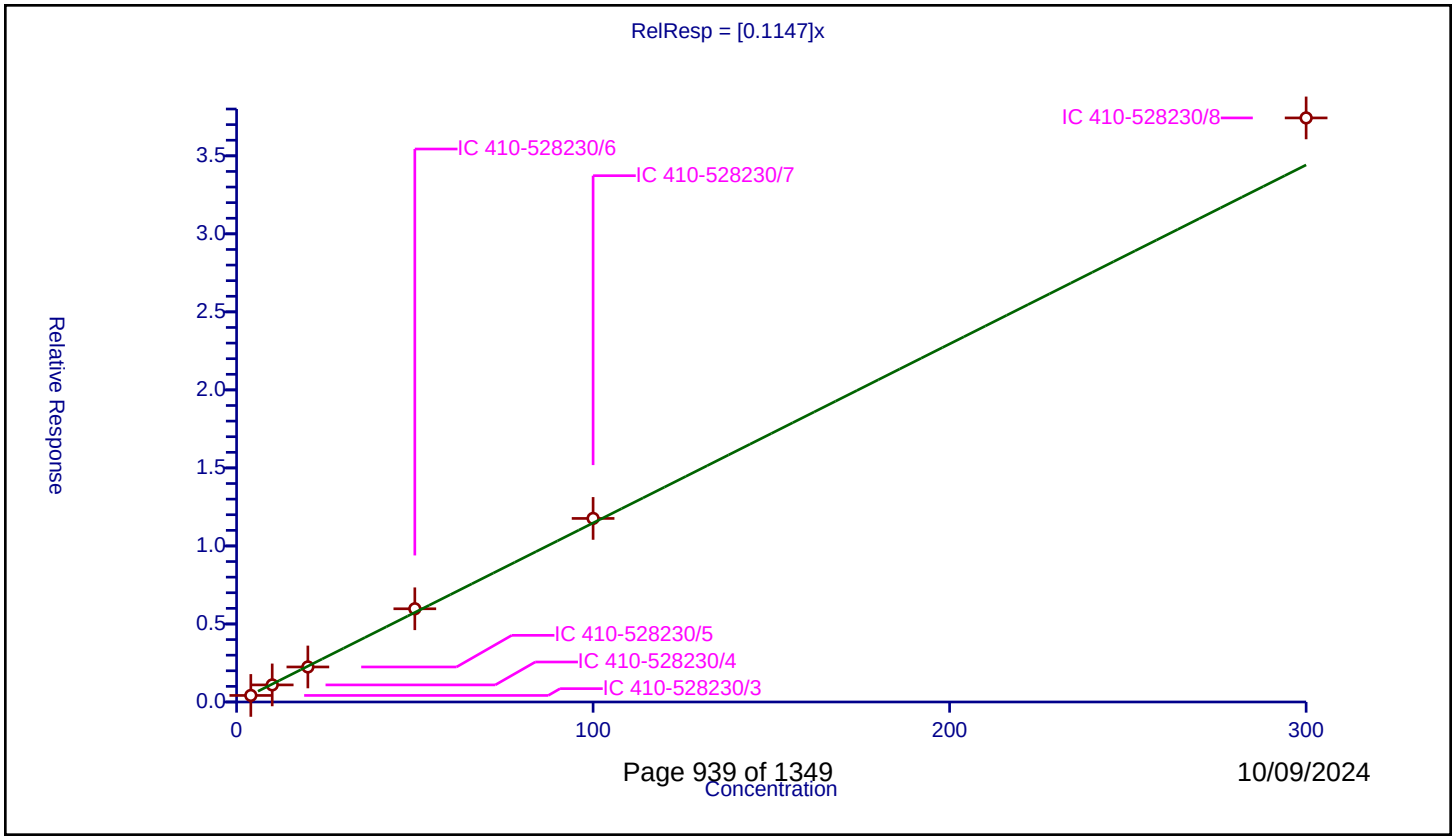
Curve Coefficients

Intercept:	0
Slope:	0.1147

Error Coefficients

Relative Standard Deviation:	6.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/3	4.0	0.419546	50.0	1154938.0	0.104887	Y
2	IC 410-528230/4	10.0	1.093749	50.0	1203064.0	0.109375	Y
3	IC 410-528230/5	20.0	2.244086	50.0	1193983.0	0.112204	Y
4	IC 410-528230/6	50.0	5.972986	50.0	1176815.0	0.11946	Y
5	IC 410-528230/7	100.0	11.76356	50.0	1165166.0	0.117636	Y
6	IC 410-528230/8	300.0	37.429365	50.0	1141613.0	0.124765	Y



Calibration / 3,4-Dichloro-1-butene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

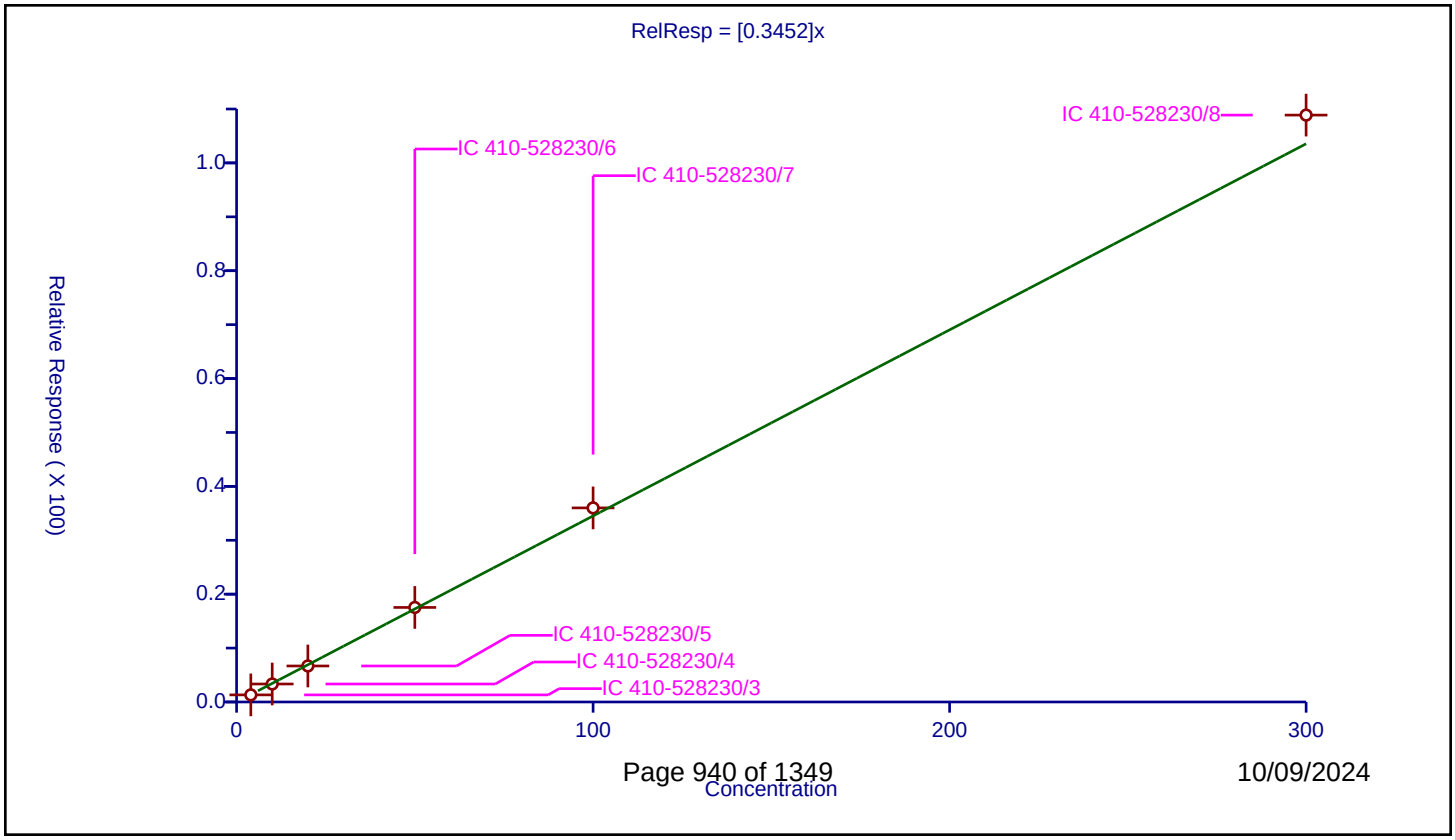
Curve Coefficients

Intercept:	0
Slope:	0.3452

Error Coefficients

Relative Standard Deviation:	4.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/3	3.99997	1.317563	50.0	865196.0	0.329393	Y
2	IC 410-528230/4	9.999924	3.337043	50.0	901217.0	0.333707	Y
3	IC 410-528230/5	19.999848	6.681731	50.0	920510.0	0.334089	Y
4	IC 410-528230/6	49.99962	17.539078	50.0	935377.0	0.350784	Y
5	IC 410-528230/7	99.99924	36.00686	50.0	884319.0	0.360071	Y
6	IC 410-528230/8	299.99772	108.873025	50.0	892176.0	0.362913	Y



Calibration / n-Butyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

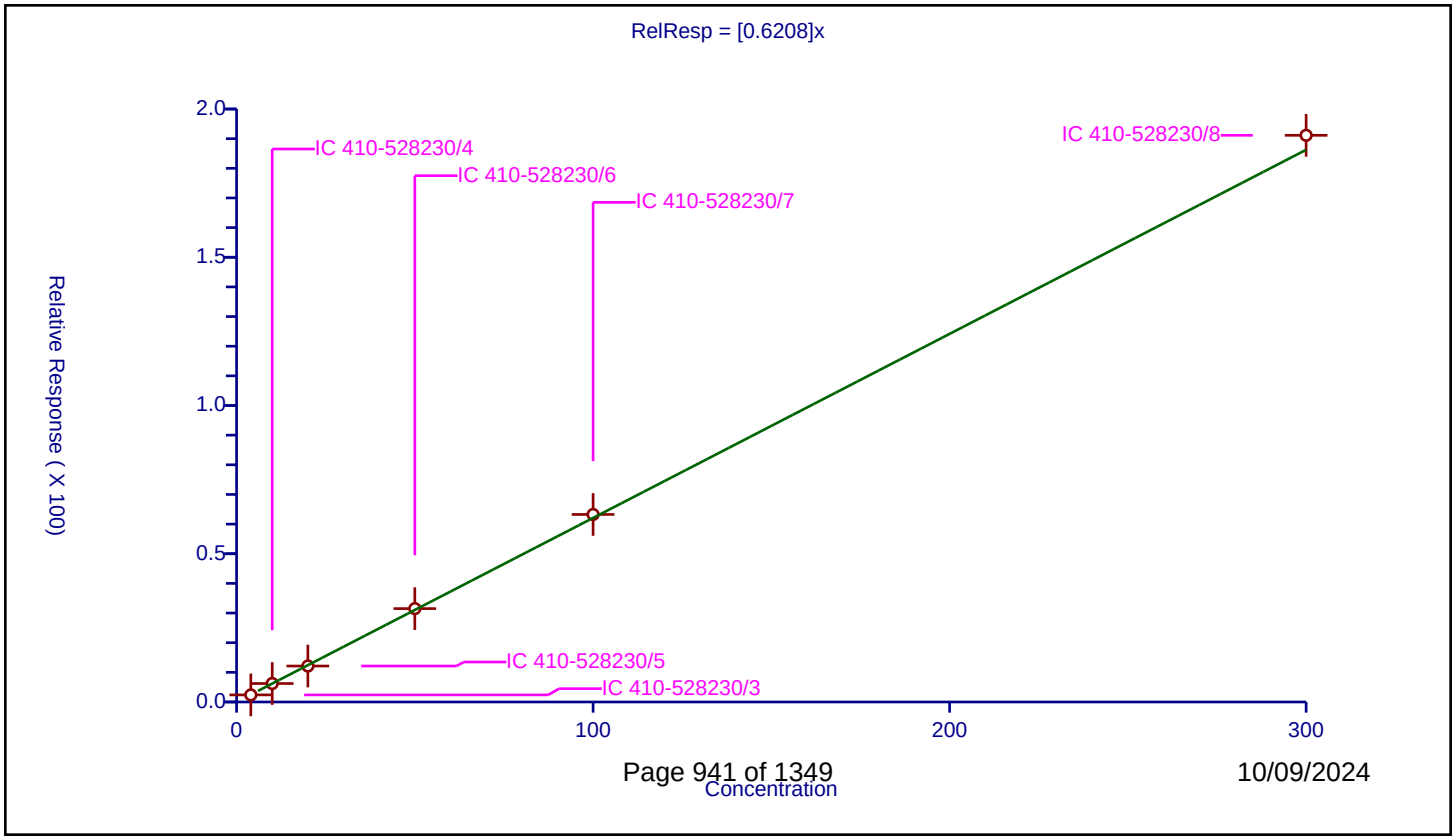
Curve Coefficients

Intercept:	0
Slope:	0.6208

Error Coefficients

Relative Standard Deviation:	2.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/3	4.0	2.384026	50.0	865196.0	0.596007	Y
2	IC 410-528230/4	10.0	6.229576	50.0	901217.0	0.622958	Y
3	IC 410-528230/5	20.0	12.12643	50.0	920510.0	0.606321	Y
4	IC 410-528230/6	50.0	31.491794	50.0	935377.0	0.629836	Y
5	IC 410-528230/7	100.0	63.248217	50.0	884319.0	0.632482	Y
6	IC 410-528230/8	300.0	191.133028	50.0	892176.0	0.63711	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

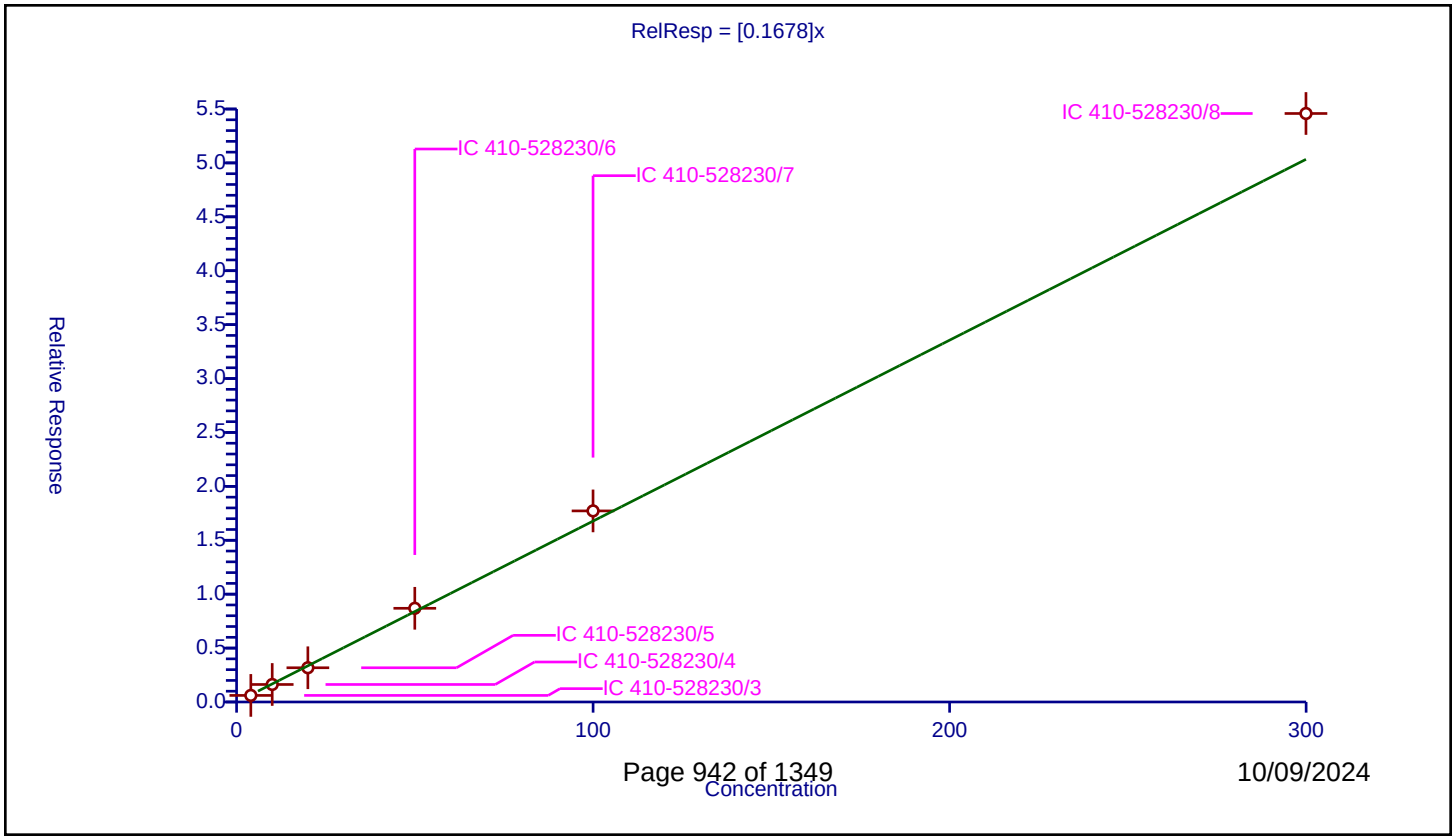
Curve Coefficients

Intercept:	0
Slope:	0.1678

Error Coefficients

Relative Standard Deviation:	6.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/3	3.999457	0.610266	50.0	865196.0	0.152587	Y
2	IC 410-528230/4	9.998644	1.623527	50.0	901217.0	0.162375	Y
3	IC 410-528230/5	19.997287	3.175088	50.0	920510.0	0.158776	Y
4	IC 410-528230/6	49.993218	8.690507	50.0	935377.0	0.173834	Y
5	IC 410-528230/7	99.986436	17.723299	50.0	884319.0	0.177257	Y
6	IC 410-528230/8	299.959308	54.584241	50.0	892176.0	0.181972	Y



Calibration / Pentachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

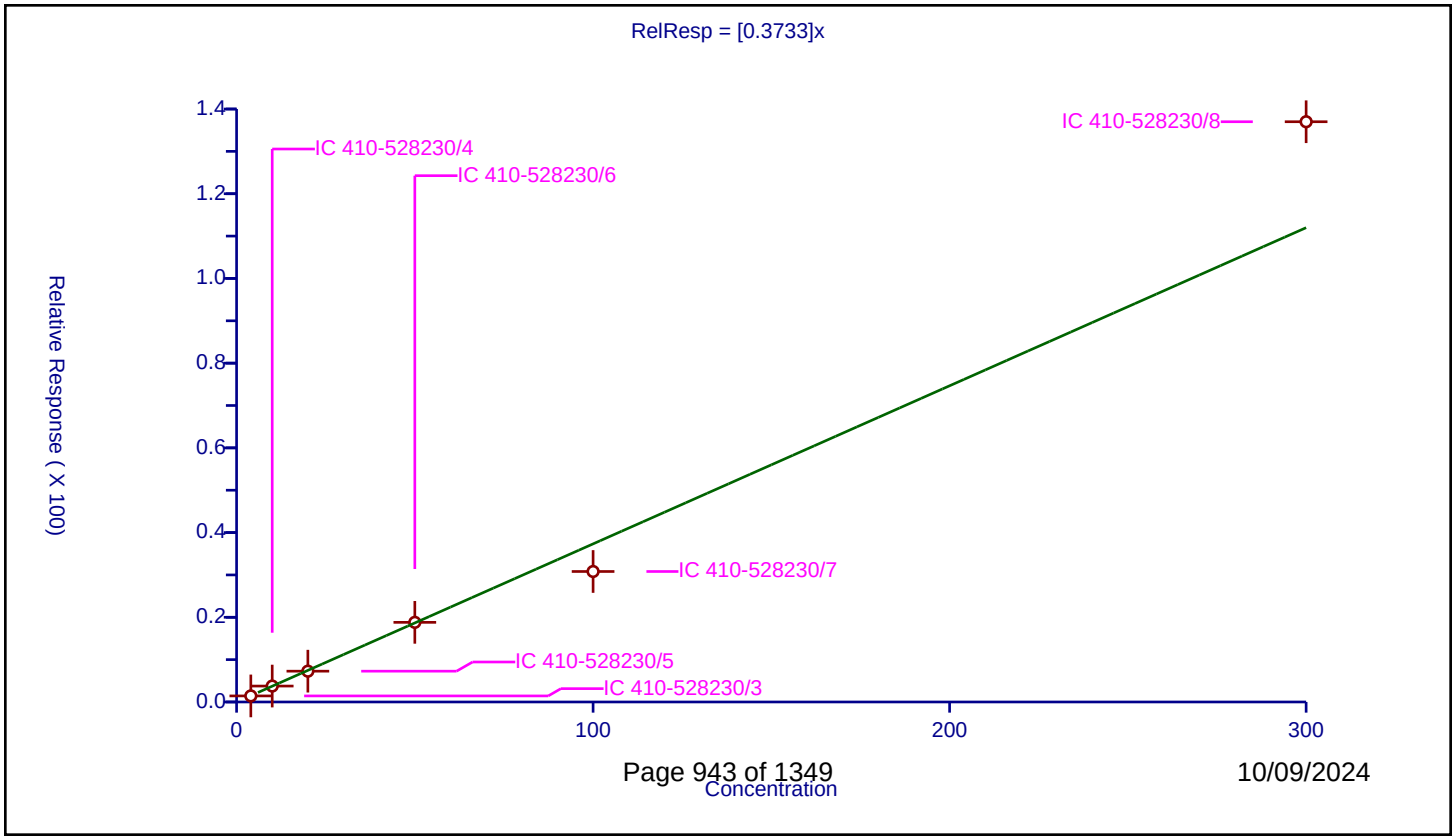
Curve Coefficients

Intercept:	0
Slope:	0.3733

Error Coefficients

Relative Standard Deviation:	12.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/3	4.0	1.435249	50.0	520920.0	0.358812	Y
2	IC 410-528230/4	10.0	3.761919	50.0	542622.0	0.376192	Y
3	IC 410-528230/5	20.0	7.277893	50.0	549960.0	0.363895	Y
4	IC 410-528230/6	50.0	18.800115	50.0	565579.0	0.376002	Y
5	IC 410-528230/7	100.0	30.812223	50.0	532120.0	0.308122	Y
6	IC 410-528230/8	300.0	136.995588	50.0	527917.0	0.456652	Y



FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1 Analy Batch No.: 528230

SDG No.:

Instrument ID: 9915 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/15/2024 17:41 Calibration End Date: 07/15/2024 19:57 Calibration ID: 63834

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-528230/12	LL15X11.D
Level 2	IC 410-528230/13	LL15X12.D
Level 3	IC 410-528230/14	LL15X13.D
Level 4	IC 410-528230/15	LL15X14.D
Level 5	ICIS 410-528230/16	LL15X15.D
Level 6	IC 410-528230/17	LL15X16.D
Level 7	IC 410-528230/18	LL15X17.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	0.4091 0.4494	0.4612 0.4456	0.3872	0.4538	0.4516	Ave		0.4369			0.1000	6.3		20.0			
Chloromethane	0.5150 0.4891	0.5168 0.4762	0.4229	0.4936	0.4922	Ave		0.4865			0.1000	6.5		20.0			
1,3-Butadiene	0.4719 0.4619	0.5346 0.4547	0.3993	0.4704	0.4715	Ave		0.4663				8.5		20.0			
Vinyl chloride	0.4580 0.4828	0.5034 0.4708	0.4341	0.4947	0.4889	Ave		0.4761			0.1000	5.0		20.0			
Bromomethane	0.3527 0.3769	0.4061 0.3619	0.3367	0.3762	0.3763	Ave		0.3695			0.1000	5.9		20.0			
Chloroethane	0.2404 0.2500	0.2783 0.2448	0.2233	0.2538	0.2547	Ave		0.2493			0.1000	6.7		20.0			
Dichlorofluoromethane	0.7569 0.7789	0.8185 0.7498	0.6938	0.7868	0.7854	Ave		0.7671			0.1000	5.1		20.0			
Trichlorofluoromethane	0.4974 0.6008	0.6035 0.6024	0.5088	0.5986	0.5985	Ave		0.5729			0.1000	8.3		20.0			
n-Pentane	0.3706 0.4066	0.3906 0.4420	0.4000	0.3982	0.3696	Ave		0.3968				6.2		20.0			
Ethyl ether	0.1786 0.1886	0.1806 0.1901	0.1912	0.1904	0.1914	Ave		0.1873				2.9		20.0			
Freon 123a	0.3757 0.3520	0.3782 0.3487	0.3173	0.3529	0.3589	Ave		0.3548				5.7		20.0			
Acrolein	1.4244 1.4537	1.3478 1.4258	1.3945	1.4788	1.5169	Ave		1.4346				3.9		20.0			
Acetone	0.6011 0.6254	0.6508 0.7526	0.7640	0.7004	0.6539	Ave		0.6783			0.1000	9.2		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.: 410-190105-1 Analy Batch No.: 528230

SDG No.:

Instrument ID: 9915 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/15/2024 17:41 Calibration End Date: 07/15/2024 19:57 Calibration ID: 63834

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								
1,1-Dichloroethene	0.2434 0.2678	0.2575 0.2820	0.2755	0.2618	0.2491	Ave		0.2625			0.1000	5.3		20.0			
Freon 113	0.2446 0.3151	0.2963 0.3292	0.3206	0.3142	0.2931	Ave		0.3019			0.1000	9.4		20.0			
2-Propanol	0.5968 0.4497	0.4900 0.4298	0.5206	0.4692	0.4331	Ave		0.4842				12.2		20.0			
Methyl iodide	0.4737 0.5715	0.5532 0.5834	0.5714	0.5787	0.5314	Ave		0.5519				7.0		20.0			
Carbon disulfide	0.8186 1.0204	0.9532 1.0414	0.9894	0.9885	0.9200	Ave		0.9616			0.1000	7.8		20.0			
Methyl acetate	+++++ 0.2195	0.1893 0.2166	0.2284	0.2122	0.1949	Ave		0.2101			0.1000	7.2		20.0			
Allyl chloride	0.3512 0.3690	0.3849 0.3905	0.3732	0.3596	0.3349	Ave		0.3662				5.3		20.0			
Methylene Chloride	0.3274 0.3190	0.3229 0.3247	0.3248	0.3146	0.2923	Ave		0.3180			0.1000	3.8		20.0			
t-Butyl alcohol	0.9717 0.8915	0.8958 0.7900	0.9964	0.9617	0.8020	Ave		0.9013				9.1		20.0			
Acrylonitrile	0.1182 0.1254	0.1196 0.1252	0.1241	0.1230	0.1094	Ave		0.1207				4.7		20.0			
trans-1,2-Dichloroethene	0.2349 0.2475	0.2574 0.2494	0.2527	0.2473	0.2315	Ave		0.2458			0.1000	3.8		20.0			
Methyl tert-butyl ether	0.9331 0.9824	0.9191 0.9854	1.0175	0.9783	0.8919	Ave		0.9582			0.1000	4.6		20.0			
n-Hexane	0.2810 0.3101	0.3182 0.3154	0.3127	0.2994	0.2772	Ave		0.3020				5.6		20.0			
1,1-Dichloroethane	0.3358 0.4065	0.4082 0.4100	0.4336	0.4126	0.3782	Ave		0.3978			0.2000	8.0		20.0			
Isopropyl ether	0.7822 0.8486	0.8083 0.8682	0.8533	0.8251	0.7639	Ave		0.8214				4.7		20.0			
2-Chloro-1,3-butadiene	0.2986 0.3514	0.3647 0.3494	0.3672	0.3560	0.3267	Ave		0.3449				7.0		20.0			
Ethyl t-butyl ether	0.8026 0.9121	0.8543 0.9172	0.9094	0.8918	0.8262	Ave		0.8734				5.3		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1 Analy Batch No.: 528230

SDG No.:

Instrument ID: 9915 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/15/2024 17:41 Calibration End Date: 07/15/2024 19:57 Calibration ID: 63834

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-Butanone (MEK)	0.1389 0.1663	0.1431 0.1713	0.1506	0.1611	0.1634	Ave		0.1564			0.1000	7.9		20.0			
cis-1,2-Dichloroethene	0.2505 0.2722	0.2799 0.2717	0.2833	0.2742	0.2534	Ave		0.2693			0.1000	4.7		20.0			
2,2-Dichloropropane	0.4076 0.4653	0.4531 0.4813	0.4849	0.4566	0.4271	Ave		0.4537				6.2		20.0			
Propionitrile	0.8745 1.0491	0.9772 1.0521	1.1253	1.0407	0.9289	Ave		1.0068				8.5		20.0			
Methyl acrylate	0.3281	0.2562 0.3283	0.3111	0.3030	0.3108	Ave		0.3063				8.7		20.0			
Methacrylonitrile	0.1180 0.1343	0.1215 0.1339	0.1351	0.1292	0.1181	Ave		0.1272				6.1		20.0			
Bromochloromethane	0.1469 0.1400	0.1383 0.1403	0.1534	0.1417	0.1295	Ave		0.1414				5.2		20.0			
Tetrahydrofuran	0.9688 0.8816	0.9152 0.8855	0.9587	0.8857	0.8006	Ave		0.8994				6.3		20.0			
Chloroform	0.5287 0.4269	0.4491 0.4222	0.4599	0.4382	0.3966	Ave		0.4459			0.2000	9.4		20.0			
1,1,1-Trichloroethane	0.4071 0.4759	0.4465 0.4950	0.4707	0.4696	0.4320	Ave		0.4567			0.1000	6.6		20.0			
Cyclohexane	0.4579 0.5247	0.4954 0.5609	0.5191	0.5112	0.4803	Ave		0.5071			0.1000	6.6		20.0			
1,1-Dichloropropene	0.3076 0.3247	0.3295 0.3236	0.3376	0.3230	0.2970	Ave		0.3204				4.3		20.0			
Carbon tetrachloride	0.3206 0.3854	0.3536 0.4117	0.3709	0.3643	0.3459	Ave		0.3646			0.1000	8.0		20.0			
Isobutyl alcohol	+++++ 0.2998	0.3929 0.3079	0.3353	0.3077	0.2693	Ave		0.3188				13.2		20.0			
Benzene	0.9545 1.0086	0.9906 1.0137	1.0587	1.0072	0.9102	Ave		0.9920			0.5000	4.8		20.0			
1,2-Dichloroethane	0.3263 0.3415	0.3368 0.3429	0.3571	0.3401	0.3037	Ave		0.3355			0.1000	5.0		20.0			
t-Amyl methyl ether	0.7966 0.9094	0.7643 0.9265	0.8967	0.8685	0.8121	Ave		0.8534				7.3		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1 Analy Batch No.: 528230

SDG No.:

Instrument ID: 9915 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/15/2024 17:41 Calibration End Date: 07/15/2024 19:57 Calibration ID: 63834

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								
n-Heptane	0.3199 0.3362	0.3104 0.3372	0.3340	0.3198	0.2954	Ave		0.3218				4.8		20.0			
n-Butanol	0.1892 0.2325	0.1945 0.2426	0.2359	0.2217	0.1949	Ave		0.2159				10.4		20.0			
Trichloroethene	0.2402 0.2652	0.2646 0.2731	0.2674	0.2553	0.2349	Ave		0.2573			0.2000	5.6		20.0			
Ethyl acrylate	0.3853	0.2895 0.3864	0.3449	0.3354	0.3550	Ave		0.3494				10.3		20.0			
Methylcyclohexane	0.4252 0.5471	0.4686 0.5909	0.5078	0.5081	0.4896	Ave		0.5053			0.1000	10.6		20.0			
1,2-Dichloropropane	0.2189 0.2560	0.2453 0.2642	0.2613	0.2486	0.2272	Ave		0.2459			0.1000	7.0		20.0			
t-Amyl ethyl ether	0.3657 0.4362	0.3755 0.4641	0.4130	0.4032	0.3758	Ave		0.4048				8.9		20.0			
Methyl methacrylate	0.2043 0.2194	0.1980 0.2345	0.2119	0.2047	0.1867	Ave		0.2085				7.4		20.0			
1,4-Dioxane	0.0616 0.0723	0.0586 0.0728	0.0766	0.0726	0.0645	Ave		0.0684			0.0050	9.9		20.0			
Dibromomethane	0.1753 0.1845	0.1807 0.1907	0.1878	0.1767	0.1638	Ave		0.1799				5.0		20.0			
Bromodichloromethane	0.2808 0.3345	0.2966 0.3526	0.3189	0.3092	0.2890	Ave		0.3117			0.2000	8.2		20.0			
2-Nitropropane	1.7071 1.8388	1.6201 1.9059	1.8227	1.7467	1.5759	Ave		1.7453				6.9		20.0			
2-Chloroethyl vinyl ether	0.0770 0.0984	0.0830 0.1065	0.1015	0.0889	0.0888	Ave		0.0920				11.4		20.0			
cis-1,3-Dichloropropene	0.3329 0.4156	0.3754 0.4450	0.3901	0.3830	0.3532	Ave		0.3850			0.2000	9.7		20.0			
4-Methyl-2-pentanone (MIBK)	0.3814 0.3737	0.3435 0.3802	0.3629	0.3671	0.3686	Ave		0.3682			0.1000	3.5		20.0			
Toluene	0.7205 0.8077	0.7875 0.8006	0.8249	0.8213	0.7514	Ave		0.7877			0.4000	4.9		20.0			
trans-1,3-Dichloropropene	0.3778 0.4685	0.4127 0.4777	0.4487	0.4494	0.4163	Ave		0.4359			0.1000	8.1		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1 Analy Batch No.: 528230

SDG No.:

Instrument ID: 9915 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/15/2024 17:41 Calibration End Date: 07/15/2024 19:57 Calibration ID: 63834

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								
Ethyl methacrylate	0.4448 0.5124	0.4842 0.5038	0.5232	0.5195	0.4650	Ave		0.4933				6.0		20.0			
1,1,2-Trichloroethane	0.2935 0.3009	0.2835 0.2975	0.2980	0.2954	0.2741	Ave		0.2918			0.1000	3.3		20.0			
Tetrachloroethene	0.3064 0.3370	0.3429 0.3384	0.3464	0.3438	0.3145	Ave		0.3328			0.2000	4.7		20.0			
1,3-Dichloropropane	0.4474 0.4754	0.4505 0.4794	0.4876	0.4813	0.4323	Ave		0.4649				4.5		20.0			
2-Hexanone	0.3134 0.2915	0.2830 0.2898	0.3036	0.3012	0.3021	Ave		0.2978			0.1000	3.4		20.0			
Dibromochloromethane	0.2558 0.3404	0.2869 0.3518	0.3121	0.3171	0.2991	Ave		0.3090				10.5		20.0			
1,2-Dibromoethane (EDB)	0.2819 0.3244	0.3109 0.3263	0.3237	0.3286	0.2985	Ave		0.3135			0.1000	5.6		20.0			
1-Chlorohexane	0.4964 0.4160	0.4484 0.4200	0.4575	0.4319	0.3833	Ave		0.4362				8.2		20.0			
Chlorobenzene	0.8379 0.8771	0.8861 0.9067	0.9220	0.8905	0.8001	Ave		0.8743			0.5000	4.8		20.0			
1,1,1,2-Tetrachloroethane	0.3209 0.3775	0.3300 0.3806	0.3612	0.3750	0.3503	Ave		0.3565				6.7		20.0			
Ethylbenzene	1.5287 1.6088	1.6338 1.6228	1.7370	1.6605	1.4766	Ave		1.6097			0.1000	5.3		20.0			
m&p-Xylene	0.5876 0.6296	0.6398 0.6365	0.6794	0.6473	0.5766	Ave		0.6281			0.1000	5.6		20.0			
n-Butyl acrylate	0.7369	0.6664 0.7015	0.7960	0.7272	0.7489	Ave		0.7295				6.0		20.0			
o-Xylene	0.6400 0.6820	0.6723 0.6835	0.7212	0.7076	0.6351	Ave		0.6774			0.3000	4.7		20.0			
Styrene	0.9248 1.0257	1.0226 1.0559	1.1206	1.0665	0.9461	Ave		1.0232			0.3000	6.7		20.0			
Bromoform	0.2036 0.2446	0.2114 0.2599	0.2285	0.2278	0.2136	Ave		0.2271			0.1000	8.7		20.0			
Isopropylbenzene	1.5419 1.7476	1.6942 1.7253	1.8354	1.7684	1.6199	Ave		1.7047			0.1000	5.7		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.: 410-190105-1 Analy Batch No.: 528230

SDG No.:

Instrument ID: 9915 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/15/2024 17:41 Calibration End Date: 07/15/2024 19:57 Calibration ID: 63834

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								
Cyclohexanone	0.3083 0.3297	0.3039 0.3420	0.3361	0.3080	0.3297	Ave		0.3225				4.8		20.0			
1,1,2,2-Tetrachloroethane	0.8605 0.9626	0.8674 0.9427	0.9602	0.9531	0.8438	Ave		0.9129			0.3000	5.8		20.0			
Bromobenzene	0.6195 0.7233	0.6950 0.7360	0.7379	0.7008	0.6413	Ave		0.6934				6.7		20.0			
trans-1,4-Dichloro-2-butene	0.2098 0.2557	0.2118 0.2493	0.2458	0.2461	0.2243	Ave		0.2347				8.1		20.0			
1,2,3-Trichloropropane	0.2750 0.2773	0.2722 0.2723	0.2834	0.2761	0.2497	Ave		0.2723				3.9		20.0			
N-Propylbenzene	3.0231 3.5747	3.3990 3.4890	3.6518	3.4999	3.1952	Ave		3.4047				6.5		20.0			
2-Chlorotoluene	0.6476 0.7468	0.6803 0.7562	0.7486	0.7195	0.6627	Ave		0.7088				6.3		20.0			
1,3,5-Trimethylbenzene	2.3301 2.9257	2.5118 2.9326	2.7621	2.7717	2.5907	Ave		2.6892				8.3		20.0			
4-Chlorotoluene	0.6260 0.6957	0.6736 0.7165	0.7295	0.7030	0.6244	Ave		0.6813				6.2		20.0			
tert-Butylbenzene	0.3766 0.5659	0.4428 0.5684	0.4952	0.5057	0.4985	Ave		0.4933				13.7		20.0			
1,2,4-Trimethylbenzene	2.3872 2.9031	2.6148 2.9284	2.8772	2.8016	2.5739	Ave		2.7266				7.5		20.0			
sec-Butylbenzene	2.6677 3.7890	3.1879 3.6446	3.4983	3.5197	3.3560	Ave		3.3804				10.9		20.0			
1,3-Dichlorobenzene	1.2401 1.4018	1.4113 1.4212	1.4913	1.4073	1.2804	Ave		1.3791			0.6000	6.3		20.0			
p-Isopropyltoluene	2.4455 3.2671	2.8253 3.2448	3.1043	3.0830	2.8987	Ave		2.9812				9.6		20.0			
1,4-Dichlorobenzene	1.3959 1.4077	1.4250 1.4268	1.4673	1.4390	1.2724	Ave		1.4049			0.5000	4.5		20.0			
1,2,3-Trimethylbenzene	2.5889 3.1649	2.8067 3.1906	3.0280	3.0192	2.8013	Ave		2.9428				7.4		20.0			
Benzyl chloride	1.4690 1.9532	1.6342 1.9579	1.8888	1.8637	1.7089	Ave		1.7823				10.3		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1 Analy Batch No.: 528230

SDG No.:

Instrument ID: 9915 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/15/2024 17:41 Calibration End Date: 07/15/2024 19:57 Calibration ID: 63834

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								
1,3-Diethylbenzene	1.4311 1.8612	1.7173 1.8760	1.8733	1.8108	1.6672	Ave		1.7481				9.2		20.0			
1,4-Diethylbenzene	1.5228 1.9120	1.8188 1.9226	1.9869	1.8817	1.7396	Ave		1.8263				8.5		20.0			
n-Butylbenzene	1.1986 1.5271	1.4678 1.5462	1.5680	1.5191	1.3829	Ave		1.4585				8.9		20.0			
1,2-Dichlorobenzene	1.3922 1.4897	1.4693 1.5028	1.5861	1.5230	1.3456	Ave		1.4727			0.4000	5.5		20.0			
1,2-Diethylbenzene	1.2013 1.6067	1.3679 1.6416	1.5067	1.4956	1.4296	Ave		1.4642				10.2		20.0			
1,2-Dibromo-3-Chloropropane	0.2454 0.2528	0.2173 0.2542	0.2359	0.2460	0.2188	Ave		0.2386			0.0500	6.4		20.0			
1,3,5-Trichlorobenzene	1.0682 1.2385	1.1285 1.2559	1.2623	1.2319	1.1209	Ave		1.1866				6.6		20.0			
1,2,4-Trichlorobenzene	1.0648 1.2545	1.1628 1.2243	1.2755	1.2558	1.1549	Ave		1.1989			0.2000	6.3		20.0			
2-Ethylhexyl acrylate	1.4377	1.0150 1.2819	1.2247	1.2692	1.4302	Ave		1.2765				12.2		20.0			
Hexachlorobutadiene	0.3702 0.4937	0.3995 0.4986	0.4377	0.4445	0.4388	Ave		0.4404				10.5		20.0			
Naphthalene	3.8859 4.3654	4.0400 3.8243	4.4465	4.4793	3.9963	Ave		4.1482				6.6		20.0			
1,2,3-Trichlorobenzene	1.1316 1.3328	1.2221 1.2219	1.3210	1.3332	1.2172	Ave		1.2543				6.1		20.0			
2-Methylnaphthalene	1.9965 2.7949	2.2198 2.2901	2.5505	2.7194	2.5558	Ave		2.4467				11.8		20.0			
Dibromofluoromethane (Surr)	0.2511 0.2521	0.2480 0.2459	0.2510	0.2516	0.2556	Ave		0.2508				1.2		20.0			
1,2-Dichloroethane-d4 (Surr)	0.0599 0.0608	0.0600 0.0609	0.0603	0.0616	0.0607	Ave		0.0606				1.0		20.0			
Toluene-d8 (Surr)	1.2499 1.2617	1.2693 1.2301	1.2674	1.2869	1.3010	Ave		1.2666				1.8		20.0			
4-Bromofluorobenzene (Surr)	0.5174 0.4797	0.5141 0.4817	0.5154	0.5060	0.4895	Ave		0.5005				3.3		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC | Job No.: 410-190105-1 | Analy Batch No.: 528230

SDG No.:

Instrument ID: 9915 | GC Column: R-624SilMS ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 07/15/2024 17:41 | Calibration End Date: 07/15/2024 19:57 | Calibration ID: 63834

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-528230/12	LL15X11.D
Level 2	IC 410-528230/13	LL15X12.D
Level 3	IC 410-528230/14	LL15X13.D
Level 4	IC 410-528230/15	LL15X14.D
Level 5	ICIS 410-528230/16	LL15X15.D
Level 6	IC 410-528230/17	LL15X16.D
Level 7	IC 410-528230/18	LL15X17.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	9279 1020737	42151 3104825	86769	205202	513847	1.00 100	4.00 300	10.0	20.0	50.0
Chloromethane	FB	Ave	11680 1110744	47228 3317893	94784	223194	560048	1.00 100	4.00 300	10.0	20.0	50.0
1,3-Butadiene	FB	Ave	10703 1049022	48861 3168315	89498	212693	536487	1.00 100	4.00 300	10.0	20.0	50.0
Vinyl chloride	FB	Ave	10388 1096578	46008 3280892	97276	223654	556233	1.00 100	4.00 300	10.0	20.0	50.0
Bromomethane	FB	Ave	7999 855890	37114 2521860	75465	170091	428177	1.00 100	4.00 300	10.0	20.0	50.0
Chloroethane	FB	Ave	5452 567882	25439 1706052	50037	114758	289806	1.00 100	4.00 300	10.0	20.0	50.0
Dichlorofluoromethane	FB	Ave	17167 1769063	74802 5224737	155489	355729	893549	1.00 100	4.00 300	10.0	20.0	50.0
Trichlorofluoromethane	FB	Ave	11281 1364400	55158 4197490	114033	270672	680909	1.00 100	4.00 300	10.0	20.0	50.0
n-Pentane	FB	Ave	8405 923540	35702 3079633	89647	180029	420549	1.00 100	4.00 300	10.0	20.0	50.0
Ethyl ether	FB	Ave	4050 428251	16508 1324330	42851	86069	217796	1.000 100.0	4.00 300	10.00	20.0	50.0
Freon 123a	FB	Ave	8521 799376	34561 2429479	71112	159553	408322	1.00 100	4.00 300	10.0	20.0	50.0
Acrolein	TBAd10	Ave	16007 1752634	61942 5268398	157709	348407	898603	10.0 1002	40.1 3007	100	200	501
Acetone	TBAd10	Ave	1348 150483	5969 555009	17244	32934	77300	2.00 200	8.00 600	20.0	40.0	100
1,1-Dichloroethene	FB	Ave	5520 608315	23536 1965242	61745	118378	283415	1.00 100	4.00 300	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.: 410-190105-1 Analy Batch No.: 528230

SDG No.:

Instrument ID: 9915 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/15/2024 17:41 Calibration End Date: 07/15/2024 19:57 Calibration ID: 63834

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
Freon 113	FB	Ave	5547 715582	27081 2294048	71844	142046	333513	1.00 100	4.00 300	10.0	20.0	50.0
2-Propanol	TBAd10	Ave	3346 270500	11236 792450	29377	55155	128002	5.00 500	20.0 1500	50.0	100	250
Methyl iodide	FB	Ave	10745 1297970	50563 4065146	128067	261658	604579	1.00 100	4.00 300	10.0	20.0	50.0
Carbon disulfide	FB	Ave	18566 2317407	87117 7256276	221732	446934	1046744	1.00 100	4.00 300	10.0	20.0	50.0
Methyl acetate	FB	Ave	+++++ 498467	17301 1508931	51178	95960	221757	+++++ 100	4.00 300	10.0	20.0	50.0
Allyl chloride	FB	Ave	7966 837942	35179 2720710	83631	162606	380993	1.00 100	4.00 300	10.0	20.0	50.0
Methylene Chloride	FB	Ave	7426 724522	29512 2262784	72793	142231	332550	1.00 100	4.00 300	10.0	20.0	50.0
t-Butyl alcohol	TBAd10	Ave	5448 536225	20539 1456373	56224	113043	237040	5.00 500	20.0 1500	50.0	100	250
Acrylonitrile	FB	Ave	6701 711875	27323 2181243	69505	138987	311154	2.50 250	10.0 750	25.0	50.0	125
trans-1,2-Dichloroethene	FB	Ave	5327 562204	23521 1738033	56632	111806	263401	1.00 100	4.00 300	10.0	20.0	50.0
Methyl tert-butyl ether	FB	Ave	21163 2231046	84003 6866164	228032	442316	1014781	1.00 100	4.00 300	10.0	20.0	50.0
n-Hexane	FB	Ave	6374 704337	29083 2197916	70090	135370	315329	1.00 100	4.00 300	10.0	20.0	50.0
1,1-Dichloroethane	FB	Ave	7616 923206	37308 2856943	97166	186547	430282	1.00 100	4.00 300	10.0	20.0	50.0
Isopropyl ether	FB	Ave	17742 1927203	73873 6049532	191229	373068	869059	1.00 100	4.00 300	10.0	20.0	50.0
2-Chloro-1,3-butadiene	FB	Ave	6773 798024	33329 2434916	82291	160965	371753	1.00 100	4.00 300	10.0	20.0	50.0
Ethyl t-butyl ether	FB	Ave	18204 2071523	78074 6390894	203809	403235	940051	1.00 100	4.00 300	10.0	20.0	50.0
2-Butanone (MEK)	FB	Ave	6301 755386	26153 2387696	67486	145639	371845	2.00 200	8.00 600	20.0	40.0	100
cis-1,2-Dichloroethene	FB	Ave	5681 618314	25580 1893123	63494	123968	288304	1.00 100	4.00 300	10.0	20.0	50.0
2,2-Dichloropropane	FB	Ave	9244 1056858	41407 3354009	108674	206446	485913	1.00 100	4.00 300	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.: 410-190105-1 Analy Batch No.: 528230

SDG No.:

Instrument ID: 9915 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/15/2024 17:41 Calibration End Date: 07/15/2024 19:57 Calibration ID: 63834

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	4903 631011	22406 1939635	63497	122332	274527	5.00 500	20.0 1500	50.0	100	250
Methyl acrylate	FB	Ave	 745214	23418 2287661	69735	137023	353650	 100	4.00 300	10.0	20.0	50.0
Methacrylonitrile	FB	Ave	6692 762429	27770 2333074	75717	146013	335882	2.50 250	10.0 750	25.0	50.0	125
Bromochloromethane	FB	Ave	3331 318011	12638 977508	34369	64051	147375	1.00 100	4.00 300	10.0	20.0	50.0
Tetrahydrofuran	TBAd10	Ave	5432 530289	20985 1632440	54096	104114	236603	5.00 500	20.0 1500	50.0	100	250
Chloroform	FB	Ave	11991 969583	41042 2941735	103075	198147	451241	1.00 100	4.00 300	10.0	20.0	50.0
1,1,1-Trichloroethane	FB	Ave	9234 1080890	40806 3449494	105483	212317	491480	1.00 100	4.00 300	10.0	20.0	50.0
Cyclohexane	FB	Ave	10386 1191763	45274 3908236	116338	231143	546406	1.00 100	4.00 300	10.0	20.0	50.0
1,1-Dichloropropene	FB	Ave	6976 737524	30113 2254741	75656	146060	337921	1.00 100	4.00 300	10.0	20.0	50.0
Carbon tetrachloride	FB	Ave	7271 875320	32318 2868878	83112	164696	393553	1.00 100	4.00 300	10.0	20.0	50.0
Isobutyl alcohol	TBAd10	Ave	+++++ 450807	22521 1419268	47306	90430	198973	+++++ 1250	50.0 3750	125	250	625
Benzene	FB	Ave	21650 2290705	90534 7063773	237275	455390	1035592	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Dichloroethane	FB	Ave	7401 775695	30779 2389305	80030	153780	345524	1.00 100	4.00 300	10.0	20.0	50.0
t-Amyl methyl ether	FB	Ave	18068 2065395	69850 6455996	200951	392681	923926	1.00 100	4.00 300	10.0	20.0	50.0
n-Heptane	FB	Ave	7256 763596	28369 2349596	74855	144590	336097	1.00 100	4.00 300	10.0	20.0	50.0
n-Butanol	TBAd10	Ave	2652 349644	11151 1117949	33281	65155	144023	12.5 1250	50.0 3750	125	250	625
Trichloroethene	FB	Ave	5449 602362	24186 1903027	59938	115451	267224	1.00 100	4.00 300	10.0	20.0	50.0
Ethyl acrylate	FB	Ave	 874876	26451 2691891	77277	151599	403851	 100.0	4.00 300	10.00	20.0	50.0
Methylcyclohexane	FB	Ave	9643	42824	113810	229714	556988	1.00	4.00	10.0	20.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC | Job No.: 410-190105-1 | Analy Batch No.: 528230

SDG No.:

Instrument ID: 9915 | GC Column: R-624SilMS ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 07/15/2024 17:41 | Calibration End Date: 07/15/2024 19:57 | Calibration ID: 63834

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
			1242590	4117500				100	300			
1,2-Dichloropropane	FB	Ave	4964 581447	22416 1840646	58564	112394	258497	1.00 100	4.00 300	10.0	20.0	50.0
t-Amyl ethyl ether	FB	Ave	8294 990648	34320 3234061	92553	182288	427558	1.00 100	4.00 300	10.0	20.0	50.0
Methyl methacrylate	FB	Ave	4633 498295	18095 1634112	47495	92543	212404	1.00 100	4.00 300	10.0	20.0	50.0
1,4-Dioxane	TBAd10	Ave	863 108666	3358 335751	10810	21323	47662	12.5 1250	50.0 3750	125	250	625
Dibromomethane	FB	Ave	3975 419094	16514 1328668	42078	79903	186352	1.00 100	4.00 300	10.0	20.0	50.0
Bromodichloromethane	FB	Ave	6369 759589	27104 2456917	71476	139793	328854	1.00 100	4.00 300	10.0	20.0	50.0
2-Nitropropane	TBAd10	Ave	9571 1106056	37147 3513730	102850	205317	465759	5.00 500	20.0 1500	50.0	100	250
2-Chloroethyl vinyl ether	FB	Ave	1746 223368	7586 741899	22739	40202	101047	1.00 100	4.00 300	10.0	20.0	50.0
cis-1,3-Dichloropropene	FB	Ave	7551 943830	34311 3100688	87430	173167	401823	1.00 100	4.00 300	10.0	20.0	50.0
4-Methyl-2-pentanone (MIBK)	FB	Ave	17301 1697464	62785 5298669	162671	331935	838641	2.00 200	8.00 600	20.0	40.0	100
Toluene	CBZd5	Ave	12970 1482173	56405 4823702	146597	286923	643749	1.00 100	4.00 300	10.0	20.0	50.0
trans-1,3-Dichloropropene	CBZd5	Ave	6801 859730	29562 2878015	79754	156996	356659	1.00 100	4.00 300	10.0	20.0	50.0
Ethyl methacrylate	CBZd5	Ave	8008 940339	34677 3035081	92979	181470	398347	1.00 100	4.00 300	10.0	20.0	50.0
1,1,2-Trichloroethane	CBZd5	Ave	5283 552271	20306 1792328	52957	103209	234799	1.00 100	4.00 300	10.0	20.0	50.0
Tetrachloroethene	CBZd5	Ave	5515 618432	24563 2038547	61565	120116	269426	1.00 100	4.00 300	10.0	20.0	50.0
1,3-Dichloropropane	CBZd5	Ave	8054 872390	32267 2888357	86663	168134	370411	1.00 100	4.00 300	10.0	20.0	50.0
2-Hexanone	CBZd5	Ave	11284 1069728	40534 3492155	107902	210441	517715	2.00 200	8.00 600	20.0	40.0	100
Dibromochloromethane	CBZd5	Ave	4605 624633	20549 2119584	55465	110766	256239	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Dibromoethane (EDB)	CBZd5	Ave	5074 595318	22268 1965806	57526	114784	255777	1.00 100	4.00 300	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.: 410-190105-1 Analy Batch No.: 528230

SDG No.:

Instrument ID: 9915 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/15/2024 17:41 Calibration End Date: 07/15/2024 19:57 Calibration ID: 63834

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-Chlorohexane	CBZd5	Ave	8937 763396	32119 2530582	81307	150862	328353	1.00 100	4.00 300	10.0	20.0	50.0
Chlorobenzene	CBZd5	Ave	15084 1609542	63462 5462636	163865	311071	685489	1.00 100	4.00 300	10.0	20.0	50.0
1,1,1,2-Tetrachloroethane	CBZd5	Ave	5776 692710	23633 2292781	64190	130998	300150	1.00 100	4.00 300	10.0	20.0	50.0
Ethylbenzene	CBZd5	Ave	27519 2952359	117020 9777025	308706	580076	1265090	1.00 100	4.00 300	10.0	20.0	50.0
m&p-Xylene	CBZd5	Ave	21155 2310900	91649 7669445	241495	452219	987937	2.00 200	8.00 600	20.0	40.0	100
n-Butyl acrylate	CBZd5	Ave	 1352429	47731 4226999	141486	254037	641635	 100	4.00 300	10.0	20.0	50.0
o-Xylene	CBZd5	Ave	11522 1251521	48155 4118269	128184	247190	544154	1.00 100	4.00 300	10.0	20.0	50.0
Styrene	CBZd5	Ave	16649 1882420	73242 6361522	199168	372554	810567	1.00 100	4.00 300	10.0	20.0	50.0
Bromoform	CBZd5	Ave	3665 448928	15142 1566057	40611	79591	183015	1.00 100	4.00 300	10.0	20.0	50.0
Isopropylbenzene	CBZd5	Ave	27758 3207098	121345 10394611	326192	617772	1387801	1.00 100	4.00 300	10.0	20.0	50.0
Cyclohexanone	TBAd10	Ave	17286 495867	69688 1576425	94835	181036	243605	50.0 1250	200 3750	250	500	625
1,1,2,2-Tetrachloroethane	DCBd4	Ave	9519 969208	37773 3160390	102093	196535	410940	1.00 100	4.00 300	10.0	20.0	50.0
Bromobenzene	DCBd4	Ave	6853 728274	30268 2467435	78464	144511	312323	1.00 100	4.00 300	10.0	20.0	50.0
trans-1,4-Dichloro-2-butene	DCBd4	Ave	5803 643752	23056 2089240	65336	126866	273110	2.50 250	10.0 750	25.0	50.0	125
1,2,3-Trichloropropane	DCBd4	Ave	3042 279242	11853 912986	30138	56941	121617	1.00 100	4.00 300	10.0	20.0	50.0
N-Propylbenzene	DCBd4	Ave	33440 3599245	148025 11696571	388289	721713	1556187	1.00 100	4.00 300	10.0	20.0	50.0
2-Chlorotoluene	DCBd4	Ave	7163 751927	29625 2535132	79599	148367	322751	1.00 100	4.00 300	10.0	20.0	50.0
1,3,5-Trimethylbenzene	DCBd4	Ave	25775 2945720	109385 9831178	293694	571554	1261785	1.00 100	4.00 300	10.0	20.0	50.0
4-Chlorotoluene	DCBd4	Ave	6925 700453	29336 2401971	77571	144961	304116	1.00 100	4.00 300	10.0	20.0	50.0
tert-Butylbenzene	DCBd4	Ave	4166	19282	52658	104288	242779	1.00	4.00	10.0	20.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC | Job No.: 410-190105-1 | Analy Batch No.: 528230

SDG No.:

Instrument ID: 9915 | GC Column: R-624SilMS ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 07/15/2024 17:41 | Calibration End Date: 07/15/2024 19:57 | Calibration ID: 63834

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
			569792	1905449				100	300			
1,2,4-Trimethylbenzene	DCBd4	Ave	26406 2922977	113874 9817317	305935	577719	1253589	1.00 100	4.00 300	10.0	20.0	50.0
sec-Butylbenzene	DCBd4	Ave	29509 3814975	138830 12218165	371967	725779	1634520	1.00 100	4.00 300	10.0	20.0	50.0
1,3-Dichlorobenzene	DCBd4	Ave	13718 1411425	61459 4764575	158568	290192	623621	1.00 100	4.00 300	10.0	20.0	50.0
p-Isopropyltoluene	DCBd4	Ave	27051 3289461	123039 10877945	330078	635746	1411794	1.00 100	4.00 300	10.0	20.0	50.0
1,4-Dichlorobenzene	DCBd4	Ave	15441 1417344	62057 4783217	156013	296737	619689	1.00 100	4.00 300	10.0	20.0	50.0
1,2,3-Trimethylbenzene	DCBd4	Ave	28637 3186579	122228 10696073	321963	622575	1364319	1.00 100	4.00 300	10.0	20.0	50.0
Benzyl chloride	DCBd4	Ave	16249 1966629	71167 6563849	200834	384318	832320	1.00 100	4.00 300	10.0	20.0	50.0
1,3-Diethylbenzene	DCBd4	Ave	15830 1873963	74788 6289216	199183	373405	811994	1.00 100	4.00 300	10.0	20.0	50.0
1,4-Diethylbenzene	DCBd4	Ave	16845 1925104	79208 6445406	211264	388017	847246	1.00 100	4.00 300	10.0	20.0	50.0
n-Butylbenzene	DCBd4	Ave	13258 1537550	63923 5183490	166722	313254	673514	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Dichlorobenzene	DCBd4	Ave	15400 1499959	63988 5037864	168648	314059	655351	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Diethylbenzene	DCBd4	Ave	13288 1617709	59573 5503267	160206	308404	696256	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Dibromo-3-Chloropropane	DCBd4	Ave	2714 254526	9463 852085	25085	50718	106567	1.00 100	4.00 300	10.0	20.0	50.0
1,3,5-Trichlorobenzene	DCBd4	Ave	11816 1247010	49145 4210244	134223	254032	545915	1.00 100	4.00 300	10.0	20.0	50.0
1,2,4-Trichlorobenzene	DCBd4	Ave	11778 1263070	50640 4104424	135626	258948	562456	1.00 100	4.00 300	10.0	20.0	50.0
2-Ethylhexyl acrylate	DCBd4	Ave	 1447618	44205 4297754	130229	261735	696581	 100	4.00 300	10.0	20.0	50.0
Hexachlorobutadiene	DCBd4	Ave	4095 497105	17398 1671348	46541	91650	213689	1.00 100	4.00 300	10.0	20.0	50.0
Naphthalene	DCBd4	Ave	42984 4395279	175939 12820653	472793	923661	1946327	1.00 100	4.00 300	10.0	20.0	50.0
1,2,3-Trichlorobenzene	DCBd4	Ave	12517 1341929	53223 4096443	140459	274921	592822	1.00 100	4.00 300	10.0	20.0	50.0
2-Methylnaphthalene	DCBd4	Ave	22085	96671	271192	560751	1244764	1.00	4.00	10.0	20.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1 Analy Batch No.: 528230

SDG No.:

Instrument ID: 9915 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/15/2024 17:41 Calibration End Date: 07/15/2024 19:57 Calibration ID: 63834

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
			2814024	7677447				100	300			
Dibromofluoromethane (Surr)	FB	Ave	284776 286260	283336 285566	281206	284431	290785	50.0 50.0	50.0 50.0	50.0	50.0	50.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	67951 69061	68533 70757	67524	69631	69100	50.0 50.0	50.0 50.0	50.0	50.0	50.0
Toluene-d8 (Surr)	CBZd5	Ave	1124989 1157670	1136377 1235181	1126224	1123908	1114613	50.0 50.0	50.0 50.0	50.0	50.0	50.0
4-Bromofluorobenzene (Surr)	CBZd5	Ave	465708 440157	460250 483656	457973	441890	419387	50.0 50.0	50.0 50.0	50.0	50.0	50.0

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.: 410-190105-1 Analy Batch No.: 528230

SDG No.:

Instrument ID: 9915 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/15/2024 17:41 Calibration End Date: 07/15/2024 19:57 Calibration ID: 63834

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-528230/12	LL15X11.D
Level 2	IC 410-528230/13	LL15X12.D
Level 3	IC 410-528230/14	LL15X13.D
Level 4	IC 410-528230/15	LL15X14.D
Level 5	ICIS 410-528230/16	LL15X15.D
Level 6	IC 410-528230/17	LL15X16.D
Level 7	IC 410-528230/18	LL15X17.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	-6.4 2.0	5.6	-11.4	3.9	3.4	2.9	50 30	30	30	30	30	30
Chloromethane	5.8 -2.1	6.2	-13.1	1.5	1.2	0.5	50 30	30	30	30	30	30
1,3-Butadiene	1.2 -2.5	14.6	-14.4	0.9	1.1	-1.0	50 30	30	30	30	30	30
Vinyl chloride	-3.8 -1.1	5.7	-8.8	3.9	2.7	1.4	50 30	30	30	30	30	30
Bromomethane	-4.6 -2.1	9.9	-8.9	1.8	1.8	2.0	50 30	30	30	30	30	30
Chloroethane	-3.6 -1.8	11.6	-10.5	1.8	2.2	0.3	50 30	30	30	30	30	30
Dichlorofluoromethane	-1.3 -2.3	6.7	-9.6	2.6	2.4	1.5	50 30	30	30	30	30	30
Trichlorofluoromethane	-13.2 5.2	5.4	-11.2	4.5	4.5	4.9	50 30	30	30	30	30	30
n-Pentane	-6.6 11.4	-1.6	0.8	0.3	-6.8	2.5	50 30	30	30	30	30	30
Ethyl ether	-4.6 1.5	-3.5	2.1	1.7	2.2	0.7	50 30	30	30	30	30	30
Freon 123a	5.9 -1.7	6.6	-10.6	-0.5	1.2	-0.8	50 30	30	30	30	30	30
Acrolein	-0.7 -0.6	-6.0	-2.8	3.1	5.7	1.3	50 30	30	30	30	30	30
Acetone	-11.4 11.0	-4.1	12.6	3.3	-3.6	-7.8	50 30	30	30	30	30	30
1,1-Dichloroethene	-7.3 7.5	-1.9	5.0	-0.2	-5.1	2.1	50 30	30	30	30	30	30
Freon 113	-19.0 9.1	-1.8	6.2	4.1	-2.9	4.4	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.: 410-190105-1 Analy Batch No.: 528230

SDG No.:

Instrument ID: 9915 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/15/2024 17:41 Calibration End Date: 07/15/2024 19:57 Calibration ID: 63834

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
2-Propanol	23.3 -11.2	1.2	7.5	-3.1	-10.6	-7.1	50 30	30	30	30	30	30
Methyl iodide	-14.2 5.7	0.2	3.5	4.9	-3.7	3.5	50 30	30	30	30	30	30
Carbon disulfide	-14.9 8.3	-0.9	2.9	2.8	-4.3	6.1	50 30	30	30	30	30	30
Methyl acetate	+++++ 3.1	-9.9	8.7	1.0	-7.2	4.4	30	50	30	30	30	30
Allyl chloride	-4.1 6.6	5.1	1.9	-1.8	-8.5	0.8	50 30	30	30	30	30	30
Methylene Chloride	3.0 2.1	1.6	2.2	-1.1	-8.1	0.3	50 30	30	30	30	30	30
t-Butyl alcohol	7.8 -12.4	-0.6	10.6	6.7	-11.0	-1.1	50 30	30	30	30	30	30
Acrylonitrile	-2.1 3.8	-0.9	2.8	1.9	-9.4	3.9	50 30	30	30	30	30	30
trans-1,2-Dichloroethene	-4.5 1.5	4.7	2.8	0.6	-5.8	0.7	50 30	30	30	30	30	30
Methyl tert-butyl ether	-2.6 2.8	-4.1	6.2	2.1	-6.9	2.5	50 30	30	30	30	30	30
n-Hexane	-6.9 4.4	5.4	3.6	-0.9	-8.2	2.7	50 30	30	30	30	30	30
1,1-Dichloroethane	-15.6 3.1	2.6	9.0	3.7	-4.9	2.2	50 30	30	30	30	30	30
Isopropyl ether	-4.8 5.7	-1.6	3.9	0.5	-7.0	3.3	50 30	30	30	30	30	30
2-Chloro-1,3-butadiene	-13.4 1.3	5.7	6.5	3.2	-5.3	1.9	50 30	30	30	30	30	30
Ethyl t-butyl ether	-8.1 5.0	-2.2	4.1	2.1	-5.4	4.4	50 30	30	30	30	30	30
2-Butanone (MEK)	-11.2 9.6	-8.5	-3.7	3.0	4.5	6.3	50 30	30	30	30	30	30
cis-1,2-Dichloroethene	-7.0 0.9	3.9	5.2	1.8	-5.9	1.1	50 30	30	30	30	30	30
2,2-Dichloropropane	-10.2 6.1	-0.1	6.9	0.6	-5.9	2.6	50 30	30	30	30	30	30
Propionitrile	-13.1 4.5	-2.9	11.8	3.4	-7.7	4.2	50 30	30	30	30	30	30
Methyl acrylate	7.2	-16.3	1.6	-1.1	1.5	7.1	30	50	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.: 410-190105-1 Analy Batch No.: 528230

SDG No.:

Instrument ID: 9915 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/15/2024 17:41 Calibration End Date: 07/15/2024 19:57 Calibration ID: 63834

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
Methacrylonitrile	-7.2 5.3	-4.4	6.3	1.6	-7.1	5.6	50 30	30	30	30	30	30
Bromochloromethane	3.8 -0.8	-2.2	8.4	0.2	-8.4	-1.0	50 30	30	30	30	30	30
Tetrahydrofuran	7.7 -1.6	1.8	6.6	-1.5	-11.0	-2.0	50 30	30	30	30	30	30
Chloroform	18.6 -5.3	0.7	3.1	-1.7	-11.1	-4.3	50 30	30	30	30	30	30
1,1,1-Trichloroethane	-10.9 8.4	-2.2	3.1	2.8	-5.4	4.2	50 30	30	30	30	30	30
Cyclohexane	-9.7 10.6	-2.3	2.4	0.8	-5.3	3.5	50 30	30	30	30	30	30
1,1-Dichloropropene	-4.0 1.0	2.8	5.4	0.8	-7.3	1.3	50 30	30	30	30	30	30
Carbon tetrachloride	-12.1 12.9	-3.0	1.7	-0.1	-5.1	5.7	50 30	30	30	30	30	30
Isobutyl alcohol	+++++ -3.4	23.2	5.2	-3.5	-15.5	-6.0	 30	50	30	30	30	30
Benzene	-3.8 2.2	-0.1	6.7	1.5	-8.2	1.7	50 30	30	30	30	30	30
1,2-Dichloroethane	-2.7 2.2	0.4	6.4	1.4	-9.5	1.8	50 30	30	30	30	30	30
t-Amyl methyl ether	-6.7 8.6	-10.4	5.1	1.8	-4.8	6.6	50 30	30	30	30	30	30
n-Heptane	-0.6 4.8	-3.6	3.8	-0.6	-8.2	4.5	50 30	30	30	30	30	30
n-Butanol	-12.4 12.3	-9.9	9.3	2.7	-9.7	7.7	50 30	30	30	30	30	30
Trichloroethene	-6.6 6.2	2.9	4.0	-0.7	-8.7	3.1	50 30	30	30	30	30	30
Ethyl acrylate	 10.6	-17.2	-1.3	-4.0	1.6	10.3	 30	50	30	30	30	30
Methylcyclohexane	-15.9 16.9	-7.3	0.5	0.5	-3.1	8.3	50 30	30	30	30	30	30
1,2-Dichloropropane	-11.0 7.4	-0.3	6.3	1.1	-7.6	4.1	50 30	30	30	30	30	30
t-Amyl ethyl ether	-9.7 14.7	-7.2	2.0	-0.4	-7.2	7.8	50 30	30	30	30	30	30
Methyl methacrylate	-2.0 12.5	-5.0	1.6	-1.8	-10.5	5.2	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1 Analy Batch No.: 528230

SDG No.:

Instrument ID: 9915 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/15/2024 17:41 Calibration End Date: 07/15/2024 19:57 Calibration ID: 63834

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
1,4-Dioxane	-10.0 6.5	-14.4	12.0	6.0	-5.7	5.6	50 30	30	30	30	30	30
Dibromomethane	-2.6 6.0	0.4	4.4	-1.8	-9.0	2.6	50 30	30	30	30	30	30
Bromodichloromethane	-9.9 13.1	-4.8	2.3	-0.8	-7.3	7.3	50 30	30	30	30	30	30
2-Nitropropane	-2.2 9.2	-7.2	4.4	0.1	-9.7	5.4	50 30	30	30	30	30	30
2-Chloroethyl vinyl ether	-16.3 15.7	-9.8	10.3	-3.4	-3.5	6.9	50 30	30	30	30	30	30
cis-1,3-Dichloropropene	-13.5 15.6	-2.5	1.3	-0.5	-8.3	7.9	50 30	30	30	30	30	30
4-Methyl-2-pentanone (MIBK)	3.6 3.3	-6.7	-1.4	-0.3	0.1	1.5	50 30	30	30	30	30	30
Toluene	-8.5 1.6	0.0	4.7	4.3	-4.6	2.5	50 30	30	30	30	30	30
trans-1,3-Dichloropropene	-13.3 9.6	-5.3	3.0	3.1	-4.5	7.5	50 30	30	30	30	30	30
Ethyl methacrylate	-9.8 2.1	-1.8	6.1	5.3	-5.7	3.9	50 30	30	30	30	30	30
1,1,2-Trichloroethane	0.6 1.9	-2.9	2.1	1.2	-6.1	3.1	50 30	30	30	30	30	30
Tetrachloroethene	-7.9 1.7	3.1	4.1	3.3	-5.5	1.3	50 30	30	30	30	30	30
1,3-Dichloropropane	-3.8 3.1	-3.1	4.9	3.5	-7.0	2.3	50 30	30	30	30	30	30
2-Hexanone	5.2 -2.7	-5.0	1.9	1.1	1.5	-2.1	50 30	30	30	30	30	30
Dibromochloromethane	-17.2 13.8	-7.2	1.0	2.6	-3.2	10.1	50 30	30	30	30	30	30
1,2-Dibromoethane (EDB)	-10.1 4.1	-0.8	3.3	4.8	-4.8	3.5	50 30	30	30	30	30	30
1-Chlorohexane	13.8 -3.7	2.8	4.9	-1.0	-12.1	-4.6	50 30	30	30	30	30	30
Chlorobenzene	-4.2 3.7	1.3	5.5	1.8	-8.5	0.3	50 30	30	30	30	30	30
1,1,1,2-Tetrachloroethane	-10.0 6.8	-7.4	1.3	5.2	-1.7	5.9	50 30	30	30	30	30	30
Ethylbenzene	-5.0 0.8	1.5	7.9	3.2	-8.3	-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.: 410-190105-1 Analy Batch No.: 528230

SDG No.:

Instrument ID: 9915 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/15/2024 17:41 Calibration End Date: 07/15/2024 19:57 Calibration ID: 63834

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
m&p-Xylene	-6.5 1.3	1.9	8.2	3.1	-8.2	0.2	50 30	30	30	30	30	30
n-Butyl acrylate	 -3.8	-8.7	9.1	-0.3	2.7	1.0	 30	50	30	30	30	30
o-Xylene	-5.5 0.9	-0.7	6.5	4.5	-6.2	0.7	50 30	30	30	30	30	30
Styrene	-9.6 3.2	-0.1	9.5	4.2	-7.5	0.3	50 30	30	30	30	30	30
Bromoform	-10.3 14.5	-6.9	0.6	0.3	-5.9	7.7	50 30	30	30	30	30	30
Isopropylbenzene	-9.5 1.2	-0.6	7.7	3.7	-5.0	2.5	50 30	30	30	30	30	30
Cyclohexanone	-4.4 6.0	-5.8	4.2	-4.5	2.2	2.2	50 30	30	30	30	30	30
1,1,2,2-Tetrachloroethane	-5.7 3.3	-5.0	5.2	4.4	-7.6	5.4	50 30	30	30	30	30	30
Bromobenzene	-10.7 6.1	0.2	6.4	1.1	-7.5	4.3	50 30	30	30	30	30	30
trans-1,4-Dichloro-2-butene	-10.6 6.2	-9.8	4.7	4.9	-4.4	9.0	50 30	30	30	30	30	30
1,2,3-Trichloropropane	1.0 0.0	0.0	4.1	1.4	-8.3	1.8	50 30	30	30	30	30	30
N-Propylbenzene	-11.2 2.5	-0.2	7.3	2.8	-6.2	5.0	50 30	30	30	30	30	30
2-Chlorotoluene	-8.6 6.7	-4.0	5.6	1.5	-6.5	5.4	50 30	30	30	30	30	30
1,3,5-Trimethylbenzene	-13.4 9.0	-6.6	2.7	3.1	-3.7	8.8	50 30	30	30	30	30	30
4-Chlorotoluene	-8.1 5.2	-1.1	7.1	3.2	-8.3	2.1	50 30	30	30	30	30	30
tert-Butylbenzene	-23.7 15.2	-10.2	0.4	2.5	1.0	14.7	50 30	30	30	30	30	30
1,2,4-Trimethylbenzene	-12.4 7.4	-4.1	5.5	2.8	-5.6	6.5	50 30	30	30	30	30	30
sec-Butylbenzene	-21.1 7.8	-5.7	3.5	4.1	-0.7	12.1	50 30	30	30	30	30	30
1,3-Dichlorobenzene	-10.1 3.1	2.3	8.1	2.0	-7.2	1.6	50 30	30	30	30	30	30
p-Isopropyltoluene	-18.0 8.8	-5.2	4.1	3.4	-2.8	9.6	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.: 410-190105-1 Analy Batch No.: 528230

SDG No.:

Instrument ID: 9915 GC Column: R-624SilMS 3 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/15/2024 17:41 Calibration End Date: 07/15/2024 19:57 Calibration ID: 63834

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
1,4-Dichlorobenzene	-0.6 1.6	1.4	4.4	2.4	-9.4	0.2	50 30	30	30	30	30	30
1,2,3-Trimethylbenzene	-12.0 8.4	-4.6	2.9	2.6	-4.8	7.5	50 30	30	30	30	30	30
Benzyl chloride	-17.6 9.9	-8.3	6.0	4.6	-4.1	9.6	50 30	30	30	30	30	30
1,3-Diethylbenzene	-18.1 7.3	-1.8	7.2	3.6	-4.6	6.5	50 30	30	30	30	30	30
1,4-Diethylbenzene	-16.6 5.3	-0.4	8.8	3.0	-4.8	4.7	50 30	30	30	30	30	30
n-Butylbenzene	-17.8 6.0	0.6	7.5	4.2	-5.2	4.7	50 30	30	30	30	30	30
1,2-Dichlorobenzene	-5.5 2.0	-0.2	7.7	3.4	-8.6	1.2	50 30	30	30	30	30	30
1,2-Diethylbenzene	-18.0 12.1	-6.6	2.9	2.1	-2.4	9.7	50 30	30	30	30	30	30
1,2-Dibromo-3-Chloropropane	2.8 6.5	-8.9	-1.1	3.1	-8.3	5.9	50 30	30	30	30	30	30
1,3,5-Trichlorobenzene	-10.0 5.8	-4.9	6.4	3.8	-5.5	4.4	50 30	30	30	30	30	30
1,2,4-Trichlorobenzene	-11.2 2.1	-3.0	6.4	4.7	-3.7	4.6	50 30	30	30	30	30	30
2-Ethylhexyl acrylate	 0.4	-20.5	-4.1	-0.6	12.0	12.6	 30	50	30	30	30	30
Hexachlorobutadiene	-15.9 13.2	-9.3	-0.6	0.9	-0.4	12.1	50 30	30	30	30	30	30
Naphthalene	-6.3 -7.8	-2.6	7.2	8.0	-3.7	5.2	50 30	30	30	30	30	30
1,2,3-Trichlorobenzene	-9.8 -2.6	-2.6	5.3	6.3	-3.0	6.3	50 30	30	30	30	30	30
2-Methylnaphthalene	-18.4 -6.4	-9.3	4.2	11.1	4.5	14.2	50 30	30	30	30	30	30
Dibromofluoromethane (Surr)	0.1 -1.9	-1.1	0.1	0.3	1.9	0.5	50 30	30	30	30	30	30
1,2-Dichloroethane-d4 (Surr)	-1.1 0.5	-1.0	-0.6	1.6	0.2	0.3	50 30	30	30	30	30	30
Toluene-d8 (Surr)	-1.3 -2.9	0.2	0.1	1.6	2.7	-0.4	50 30	30	30	30	30	30
4-Bromofluorobenzene (Surr)	3.4 -3.8	2.7	3.0	1.1	-2.2	-4.2	50 30	30	30	30	30	30

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9915\20240715-119345.b\LL15X11.D
Lims ID: IC v1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 15-Jul-2024 17:41:30 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0119345-012
Misc. Info.: IC V1
Operator ID: knk41612 Instrument ID: 9915
Sublist: chrom-MSVoa_9915a*sub91

Method: \\chromfs\Lancaster\ChromData\9915\20240715-119345.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 16-Jul-2024 20:47:14 Calib Date: 15-Jul-2024 19:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20240715-119345.b\LL15X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1659

First Level Reviewer: UKEK Date: 16-Jul-2024 20:46:37

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.940	1.946	-0.006	30	9279	1.00	0.9365	
4 Chloromethane	50	2.136	2.142	-0.006	98	11680	1.00	1.06	
6 Butadiene	39	2.251	2.245	0.006	93	10703	1.00	1.01	M
5 Vinyl chloride	62	2.245	2.255	-0.010	95	10388	1.00	0.9620	
8 Bromomethane	94	2.579	2.589	-0.010	87	7999	1.00	0.9544	
9 Chloroethane	64	2.653	2.653	0.000	50	5452	1.00	0.9640	
10 Dichlorofluoromethane	67	2.891	2.898	-0.007	51	17167	1.00	0.9866	
11 Trichlorofluoromethane	101	2.968	2.975	-0.007	53	11281	1.00	0.8682	
12 Pentane	43	2.978	2.991	-0.013	89	8405	1.00	0.9339	
13 Ethyl ether	59	3.168	3.171	-0.003	61	4050	1.00	0.9535	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.293	3.284	0.009	37	8521	1.00	1.06	
16 Acrolein	56	3.351	3.332	0.019	82	16007	10.0	9.95	M
18 Acetone	58	3.496	3.489	0.007	71	1348	2.00	1.77	
17 1,1-Dichloroethene	96	3.505	3.512	-0.007	53	5520	1.00	0.9273	M
19 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.518	3.528	-0.010	37	5547	1.00	0.8102	
20 Isopropyl alcohol	45	3.753	3.666	0.087	14	3346	5.00	6.16	
21 Iodomethane	142	3.692	3.705	-0.013	81	10745	1.00	0.8584	
22 Carbon disulfide	76	3.795	3.805	-0.010	83	18566	1.00	0.8512	
24 Methyl acetate	43	3.927	3.907	0.020	41	7095	1.00	1.49	M
25 3-Chloro-1-propene	41	3.923	3.936	-0.013	67	7966	1.00	0.9592	M
27 Methylene Chloride	84	4.132	4.145	-0.013	16	7426	1.00	1.03	M
* 28 t-Butyl alcohol-d10 (IS)	65	4.168	4.181	-0.013	9	280335	250.0	250.0	
29 2-Methyl-2-propanol	59	4.296	4.313	-0.017	15	5448	5.00	5.39	M
30 Acrylonitrile	53	4.454	4.438	0.016	31	6701	2.50	2.45	M
31 trans-1,2-Dichloroethene	96	4.521	4.528	-0.007	49	5327	1.00	0.9555	
32 Methyl tert-butyl ether	73	4.544	4.557	-0.013	77	21163	1.00	0.9737	M
34 Hexane	57	4.968	4.972	-0.004	72	6374	1.00	0.9305	
35 1,1-Dichloroethane	63	5.177	5.187	-0.010	30	7616	1.00	0.8440	
37 Isopropyl ether	45	5.264	5.271	-0.007	93	17742	1.00	0.9524	
38 2-Chloro-1,3-butadiene	53	5.306	5.300	0.006	49	6773	1.00	0.8659	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
39 Tert-butyl ethyl ether	59	5.779	5.808	-0.029	88	18204	1.00	0.9190	M
40 2-Butanone (MEK)	43	6.042	6.004	0.038	63	6301	2.00	1.78	
42 cis-1,2-Dichloroethene	96	6.017	6.030	-0.013	81	5681	1.00	0.9301	
43 2,2-Dichloropropane	77	6.062	6.058	0.004	66	9244	1.00	0.8983	
45 Propionitrile	54	6.110	6.081	0.029	80	4903	5.00	4.34	
S 41 1,2-Dichloroethene, Total	100				0			1.89	
47 Methacrylonitrile	67	6.312	6.296	0.016	72	6692	2.50	2.32	
48 Chlorobromomethane	128	6.354	6.354	0.000	54	3331	1.00	1.04	
49 Tetrahydrofuran	71	6.390	6.380	0.010	66	5432	5.00	5.39	
50 Chloroform	83	6.505	6.515	-0.010	92	11991	1.00	1.19	
$ 51 Dibromofluoromethane (Surr)	113	6.730	6.730	0.000	93	284776	50.0	50.1	
52 1,1,1-Trichloroethane	97	6.763	6.759	0.004	40	9234	1.00	0.8915	
53 Cyclohexane	56	6.859	6.862	-0.003	83	10386	1.00	0.9031	
55 1,1-Dichloropropene	75	6.962	6.959	0.003	96	6976	1.00	0.9599	
54 Carbon tetrachloride	117	6.955	6.965	-0.010	82	7271	1.00	0.8792	
56 Isobutyl alcohol	41	7.152	7.126	0.026	33	7769	12.5	21.7	
$ 57 1,2-Dichloroethane-d4 (Surr)	102	7.181	7.187	-0.007	90	67951	50.0	49.4	
58 Benzene	78	7.216	7.222	-0.006	92	21650	1.00	0.9623	
59 1,2-Dichloroethane	62	7.290	7.293	-0.003	63	7401	1.00	0.9726	
61 Tert-amyl methyl ether	73	7.415	7.428	-0.013	96	18068	1.00	0.9334	M
* 62 Fluorobenzene (IS)	96	7.627	7.628	-0.001	99	1134043	50.0	50.0	
63 n-Heptane	43	7.660	7.653	0.007	46	7256	1.00	0.99	
65 n-Butanol	56	8.029	8.010	0.019	38	2652	12.5	11.0	
66 Trichloroethene	95	8.119	8.110	0.009	92	5449	1.00	0.9338	
68 Methylcyclohexane	83	8.422	8.425	-0.003	87	9643	1.00	0.8414	
69 1,2-Dichloropropane	63	8.438	8.438	0.000	73	4964	1.00	0.8900	
70 2-ethoxy-2-methyl butane	87	8.457	8.460	-0.003	92	8294	1.00	0.9034	
71 Methyl methacrylate	69	8.544	8.528	0.016	59	4633	1.00	0.9797	M
72 1,4-Dioxane	88	8.531	8.531	0.000	27	863	12.5	11.2	M
73 Dibromomethane	93	8.541	8.547	-0.006	90	3975	1.00	0.9741	
75 Dichlorobromomethane	83	8.791	8.788	0.003	97	6369	1.00	0.9010	
76 2-Nitropropane	41	9.052	9.052	0.000	92	9571	5.00	4.89	
77 2-Chloroethyl vinyl ether	63	9.155	9.155	0.000	31	1746	1.00	0.8368	M
78 cis-1,3-Dichloropropene	75	9.341	9.345	-0.003	93	7551	1.00	0.8647	
79 4-Methyl-2-pentanone (MIBK)	43	9.528	9.521	0.007	98	17301	2.00	2.07	
$ 80 Toluene-d8 (Surr)	98	9.656	9.660	-0.004	93	1124989	50.0	49.3	
81 Toluene	92	9.737	9.737	0.000	98	12970	1.00	0.9147	
120 trans-1,3-Dichloropropene	75	9.997	9.994	0.003	88	6801	1.00	0.8667	
S 119 1,3-Dichloropropene, Total	100				0			1.73	
121 Ethyl methacrylate	69	10.065	10.062	0.003	90	8008	1.00	0.9019	
122 1,1,2-Trichloroethane	97	10.203	10.200	0.003	87	5283	1.00	1.01	
123 Tetrachloroethene	166	10.293	10.293	0.000	95	5515	1.00	0.9206	
124 1,3-Dichloropropane	76	10.370	10.361	0.009	96	8054	1.00	0.9624	
125 2-Hexanone	43	10.418	10.418	0.000	94	11284	2.00	2.10	
128 Chlorodibromomethane	129	10.579	10.579	0.000	88	4605	1.00	0.8278	
129 Ethylene Dibromide	107	10.695	10.689	0.007	98	5074	1.00	0.8992	
* 130 Chlorobenzene-d5 (IS)	117	11.126	11.126	0.000	85	900098	50.0	50.0	
132 1-Chlorohexane	91	11.142	11.139	0.003	94	8937	1.00	1.14	Ma
133 Chlorobenzene	112	11.151	11.155	-0.004	94	15084	1.00	0.9583	
134 1,1,1,2-Tetrachloroethane	131	11.238	11.235	0.003	60	5776	1.00	0.9001	
135 Ethylbenzene	91	11.245	11.242	0.003	99	27519	1.00	0.9496	
S 131 Xylenes, Total	106				0			2.82	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
136 m-Xylene & p-Xylene	106	11.360	11.357	0.003	100	21155	2.00	1.87	
138 o-Xylene	106	11.688	11.688	0.000	96	11522	1.00	0.9448	
139 Styrene	104	11.708	11.701	0.007	93	16649	1.00	0.9039	
140 Bromoform	173	11.852	11.856	-0.004	94	3665	1.00	0.8966	
142 Isopropylbenzene	105	11.987	11.991	-0.004	95	27758	1.00	0.9045	
141 Cyclohexanone	55	12.061	12.061	0.000	93	17286	50.0	47.8	
$ 143 4-Bromofluorobenzene (Surr)	95	12.132	12.132	0.000	89	465708	50.0	51.7	
145 1,1,2,2-Tetrachloroethane	83	12.232	12.232	0.000	93	9519	1.00	0.9427	
146 Bromobenzene	156	12.245	12.248	-0.003	94	6853	1.00	0.8934	
147 trans-1,4-Dichloro-2-butene	53	12.261	12.258	0.003	91	5803	2.50	2.24	
148 1,2,3-Trichloropropane	110	12.274	12.280	-0.006	80	3042	1.00	1.01	
149 N-Propylbenzene	91	12.319	12.319	0.000	99	33440	1.00	0.8879	
150 2-Chlorotoluene	126	12.396	12.396	0.000	97	7163	1.00	0.9136	
151 1,3,5-Trimethylbenzene	105	12.457	12.457	0.000	92	25775	1.00	0.8665	a
153 4-Chlorotoluene	126	12.489	12.486	0.003	97	6925	1.00	0.9190	
154 tert-Butylbenzene	134	12.695	12.698	-0.003	92	4166	1.00	0.7635	
156 1,2,4-Trimethylbenzene	105	12.740	12.740	0.000	96	26406	1.00	0.8755	
157 sec-Butylbenzene	105	12.862	12.862	0.000	94	29509	1.00	0.7892	
158 1,3-Dichlorobenzene	146	12.958	12.959	0.000	90	13718	1.00	0.8993	
159 4-Isopropyltoluene	119	12.968	12.968	0.000	98	27051	1.00	0.8203	
* 160 1,4-Dichlorobenzene-d4	152	13.013	13.013	0.000	95	553080	50.0	50.0	
161 1,4-Dichlorobenzene	146	13.029	13.029	0.000	94	15441	1.00	0.99	
162 1,2,3-Trimethylbenzene	105	13.042	13.045	-0.003	97	28637	1.00	0.8797	
163 Benzyl chloride	91	13.110	13.106	0.004	98	16249	1.00	0.8242	
164 1,3-Diethylbenzene	119	13.171	13.171	0.000	93	15830	1.00	0.8186	
165 p-Diethylbenzene	119	13.241	13.241	0.000	95	16845	1.00	0.8338	
166 n-Butylbenzene	92	13.261	13.261	0.000	97	13258	1.00	0.8218	
167 1,2-Dichlorobenzene	146	13.293	13.293	0.000	98	15400	1.00	0.9454	
168 o-diethylbenzene	119	13.312	13.312	0.000	93	13288	1.00	0.8204	
170 1,2-Dibromo-3-Chloropropane	75	13.836	13.827	0.009	82	2714	1.00	1.03	
171 1,3,5-Trichlorobenzene	180	13.962	13.958	0.004	97	11816	1.00	0.9002	
172 1,2,4-Trichlorobenzene	180	14.386	14.383	0.003	93	11778	1.00	0.8881	
174 Hexachlorobutadiene	225	14.463	14.466	-0.003	94	4095	1.00	0.8406	
175 Naphthalene	128	14.563	14.563	0.000	96	42984	1.00	0.9368	
176 1,2,3-Trichlorobenzene	180	14.708	14.704	0.004	95	12517	1.00	0.9022	
177 2-Methylnaphthalene	142	15.322	15.319	0.003	91	22085	1.00	0.8160	
S 188 Total Diethylbenzene	1				0			2.47	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

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MSV_HP23_ISSS_00014	Amount Added: 1.00	Units: uL	Run Reagent

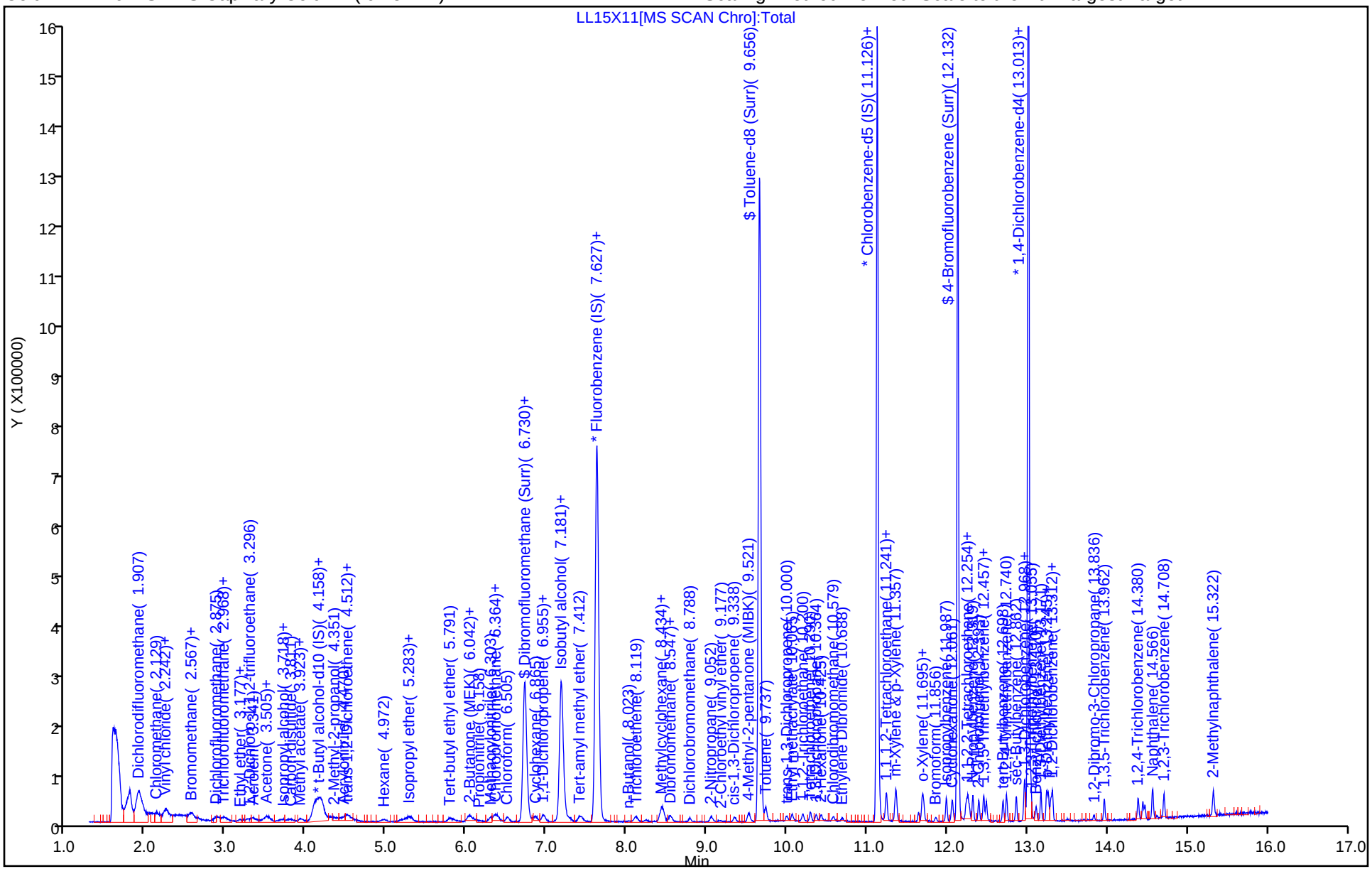
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Eurofins Lancaster Laboratories Environment Testing, LLC

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Injection Date:	15-Jul-2024 17:41:30	Instrument ID:	9915	Operator ID:	knk41612
Lims ID:	IC v1			Worklist Smp#:	12
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	MSVoa_9915a	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

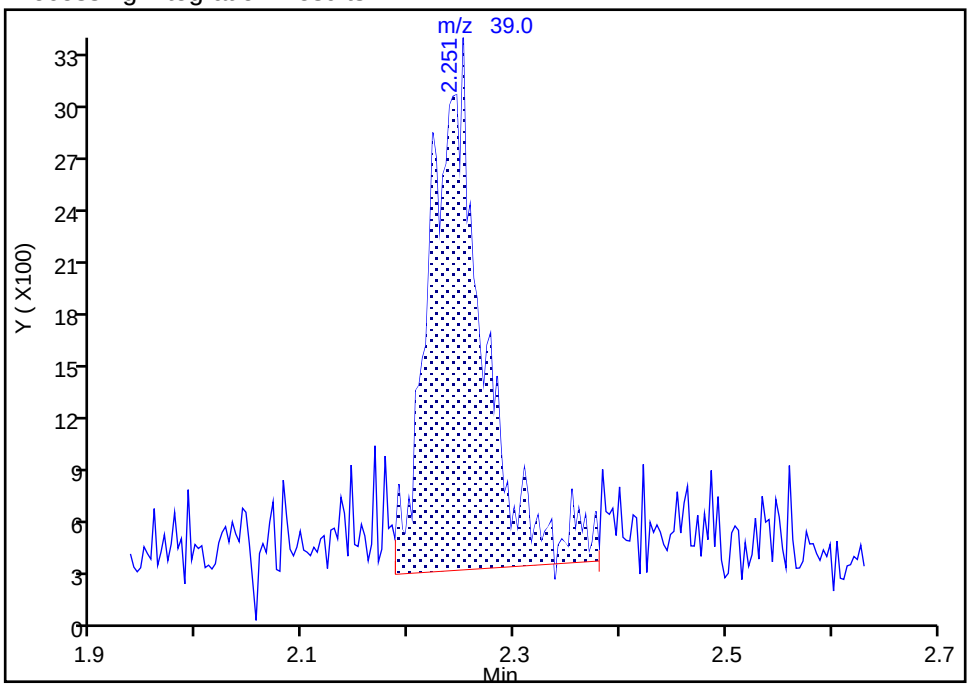
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Lims ID:	IC v1				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

6 Butadiene, CAS: 106-99-0

Signal: 1

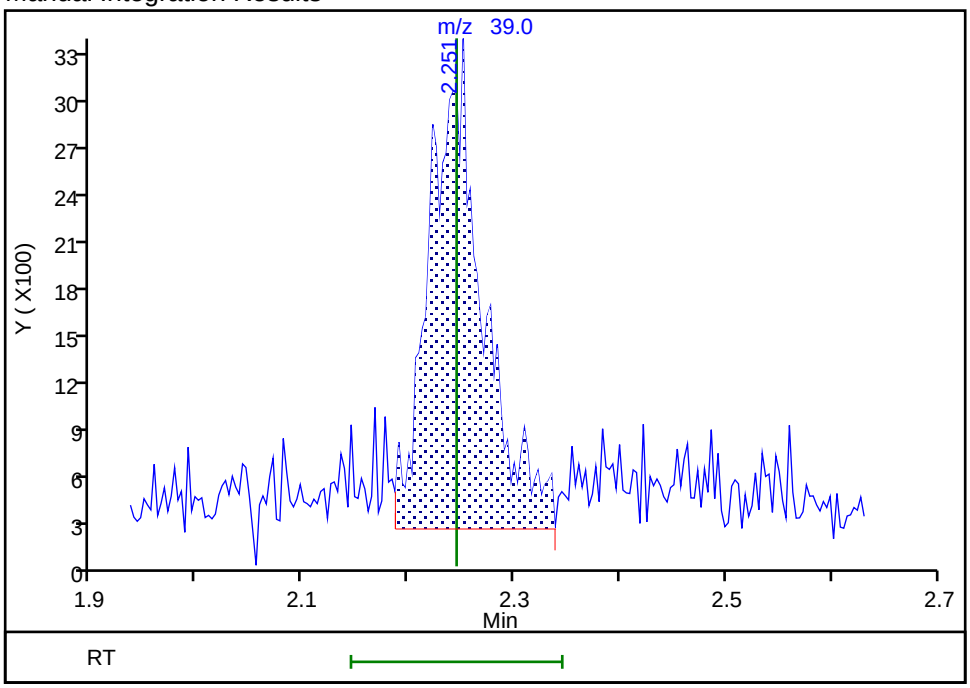
Processing Integration Results

RT: 2.25
Area: 10614
Amount: 1.004699
Amount Units: ug/l



Manual Integration Results

RT: 2.25
Area: 10703
Amount: 1.011906
Amount Units: ug/l



Reviewer: UKEK, 16-Jul-2024 19:17:02 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

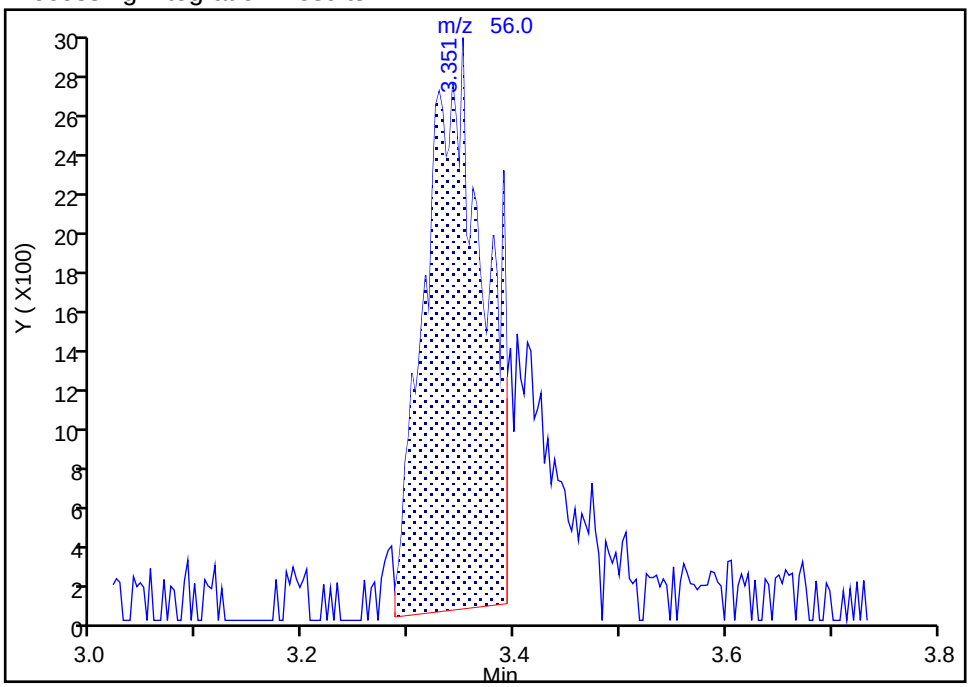
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Injection Date: 15-Jul-2024 17:41:30 Instrument ID: 9915
Lims ID: IC v1
Client ID:
Operator ID: knk41612 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

16 Acrolein, CAS: 107-02-8

Signal: 1

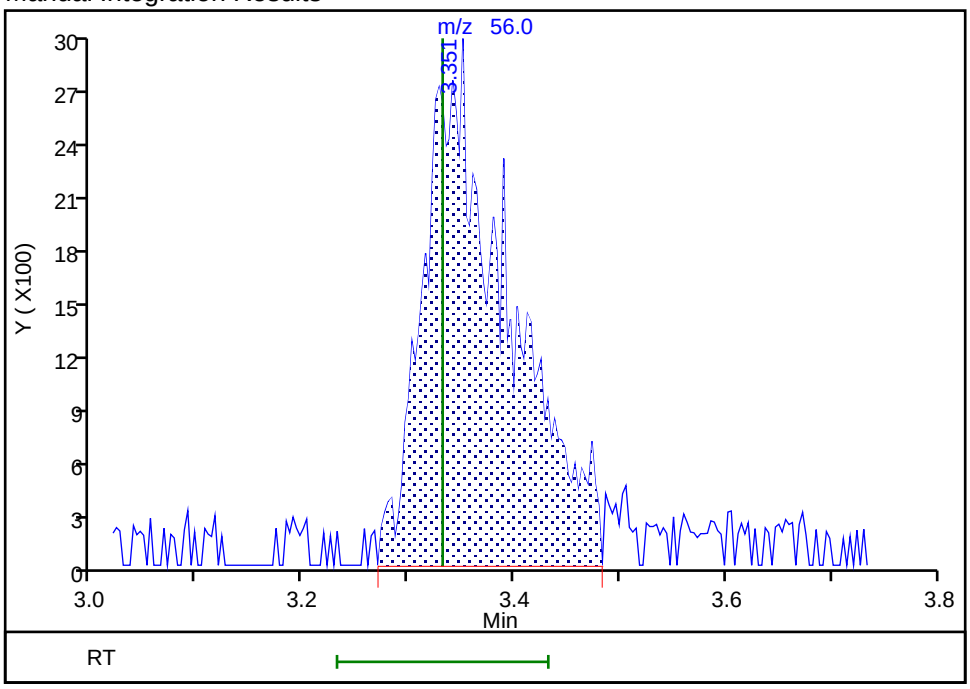
Processing Integration Results

RT: 3.35
Area: 11133
Amount: 7.233253
Amount Units: ug/l



Manual Integration Results

RT: 3.35
Area: 16007
Amount: 9.950772
Amount Units: ug/l



Reviewer: DVW2, 16-Jul-2024 07:48:27 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

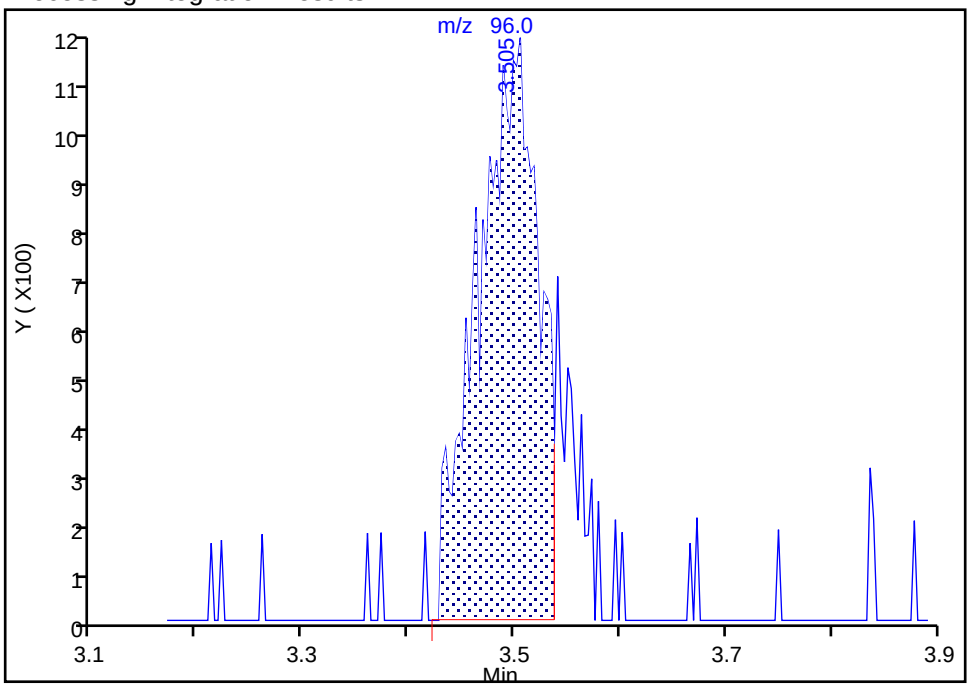
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Lims ID: IC v1
Client ID:
Operator ID: knk41612 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

17 1,1-Dichloroethene, CAS: 75-35-4

Signal: 1

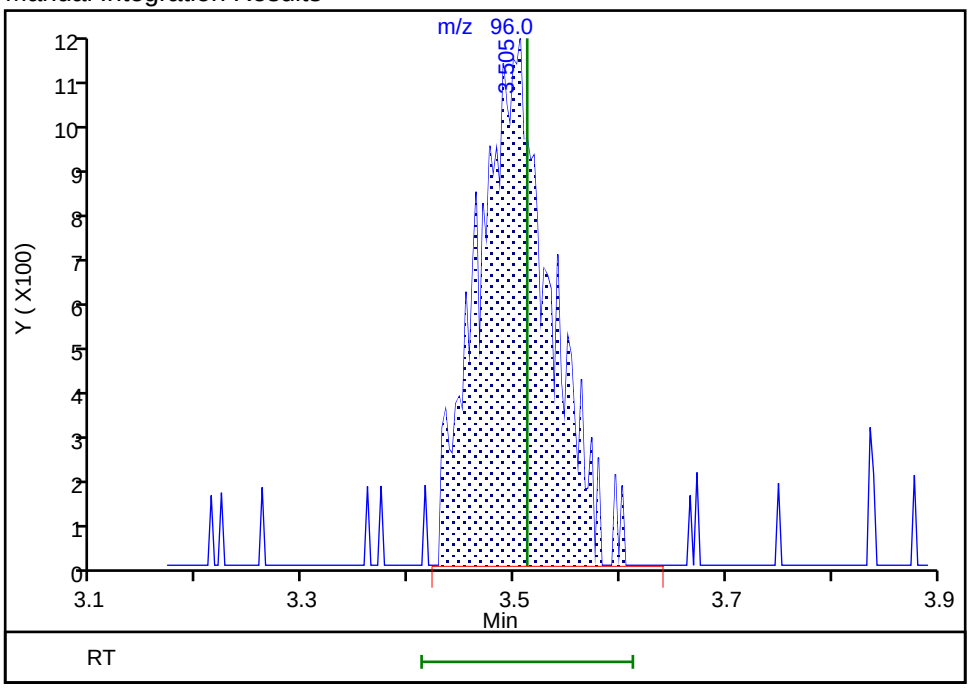
Processing Integration Results

RT: 3.51
Area: 4639
Amount: 0.796128
Amount Units: ug/l



Manual Integration Results

RT: 3.51
Area: 5520
Amount: 0.927294
Amount Units: ug/l



Reviewer: DVW2, 16-Jul-2024 07:48:32 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

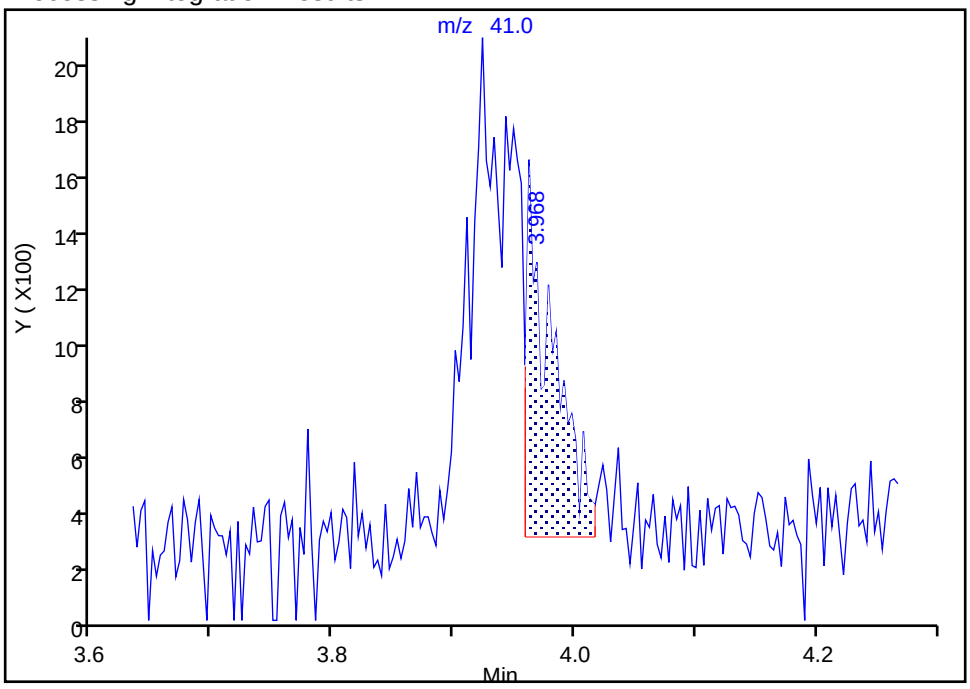
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Client ID:					
Operator ID:	knk41612	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

25 3-Chloro-1-propene, CAS: 107-05-1

Signal: 1

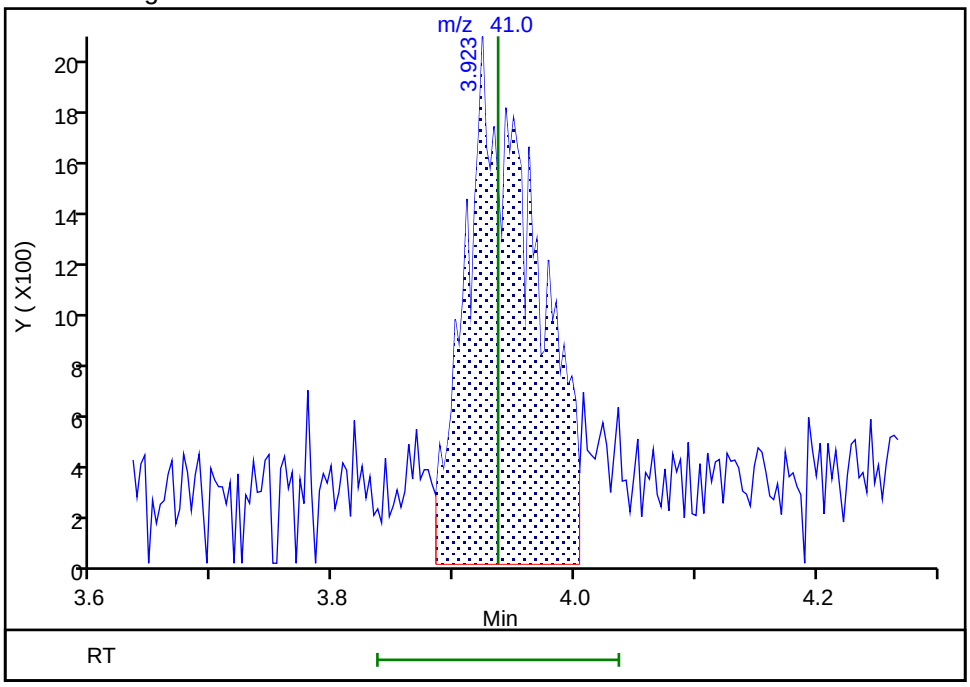
Processing Integration Results

RT: 3.97
Area: 1916
Amount: 0.955243
Amount Units: ug/l



Manual Integration Results

RT: 3.92
Area: 7966
Amount: 0.959163
Amount Units: ug/l



Reviewer: UKEK, 16-Jul-2024 20:45:39 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

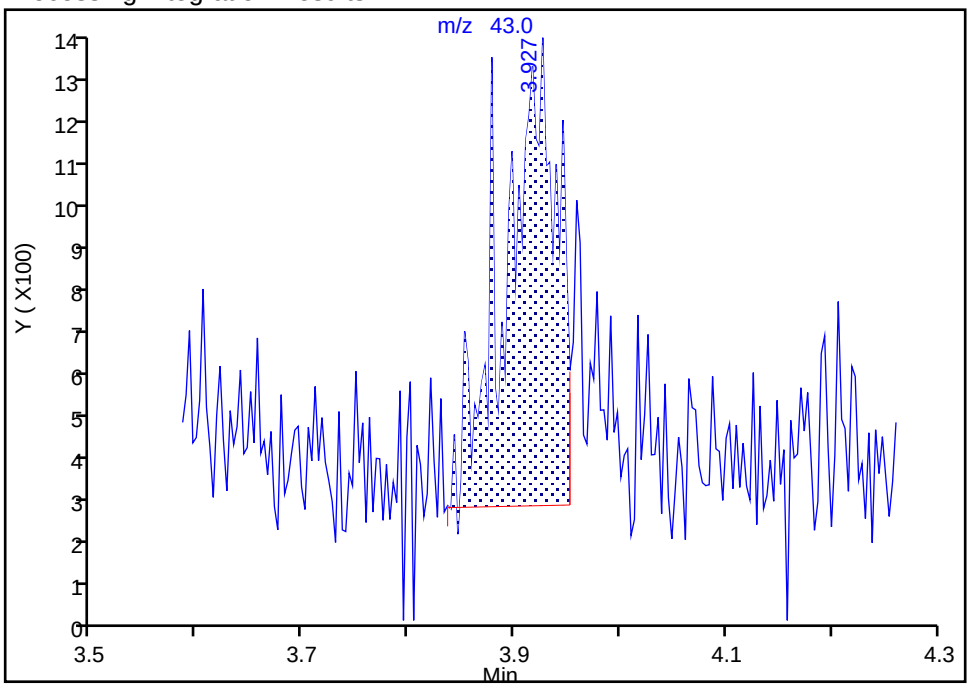
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Client ID:
Operator ID: knk41612 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

24 Methyl acetate, CAS: 79-20-9

Signal: 1

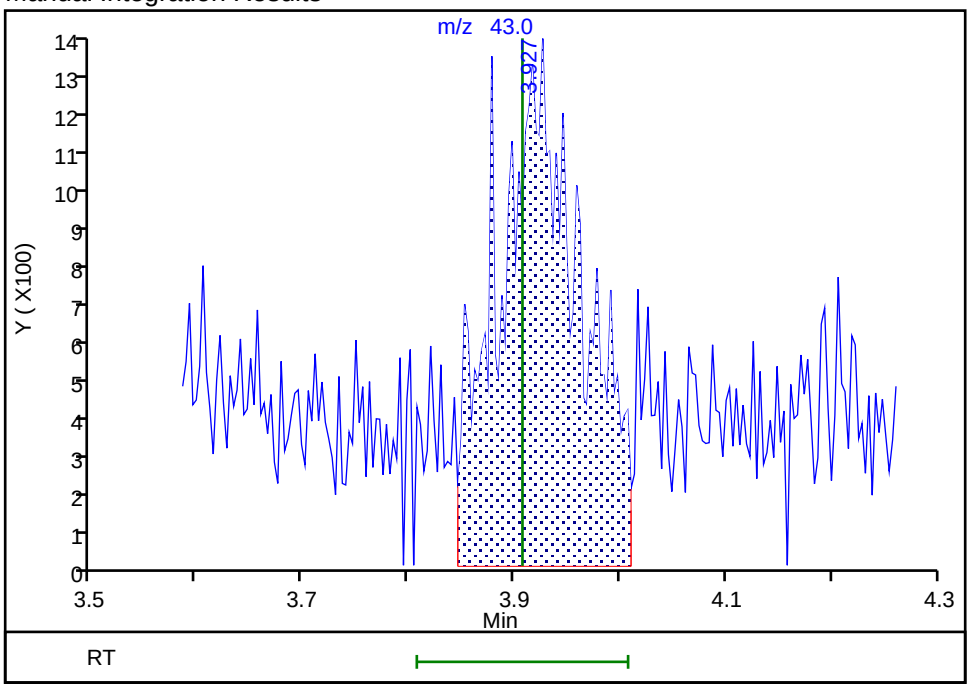
Processing Integration Results

RT: 3.93
Area: 3569
Amount: 0.776692
Amount Units: ug/l



Manual Integration Results

RT: 3.93
Area: 7095
Amount: 1.488623
Amount Units: ug/l



Reviewer: UKEK, 16-Jul-2024 20:13:49 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

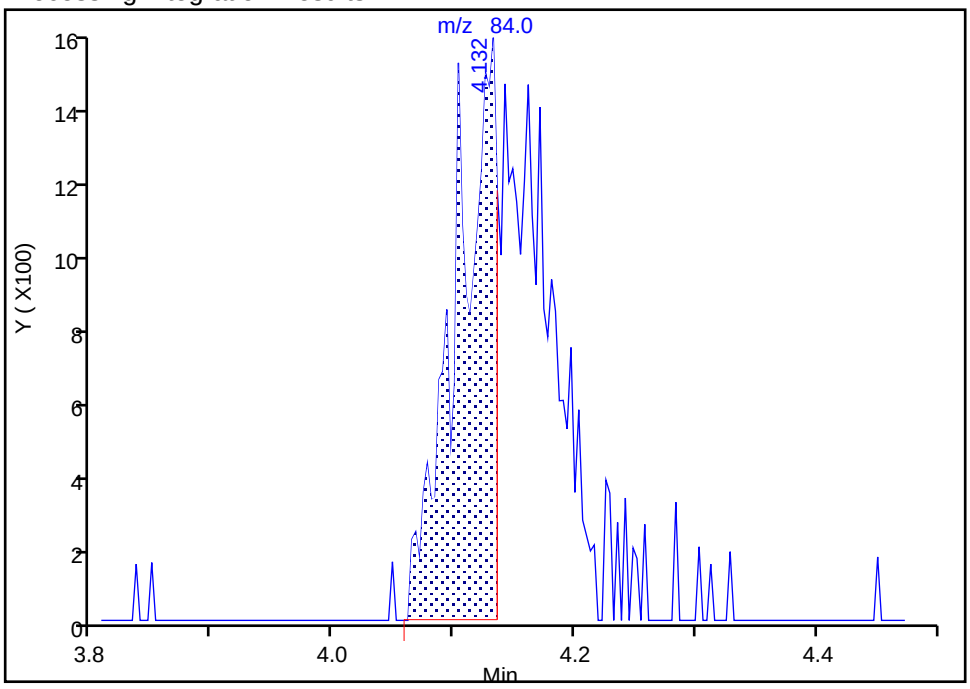
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Client ID:
Operator ID: knk41612 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

27 Methylene Chloride, CAS: 75-09-2

Signal: 1

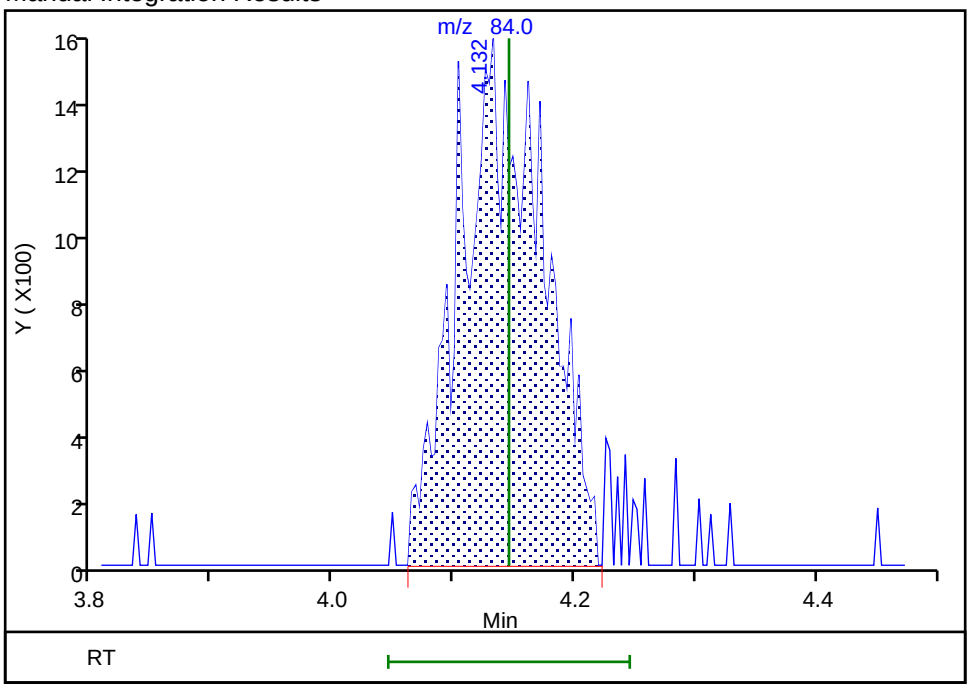
Processing Integration Results

RT: 4.13
Area: 3509
Amount: 0.572535
Amount Units: ug/l



Manual Integration Results

RT: 4.13
Area: 7426
Amount: 1.029716
Amount Units: ug/l



Reviewer: DVW2, 16-Jul-2024 07:49:01 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

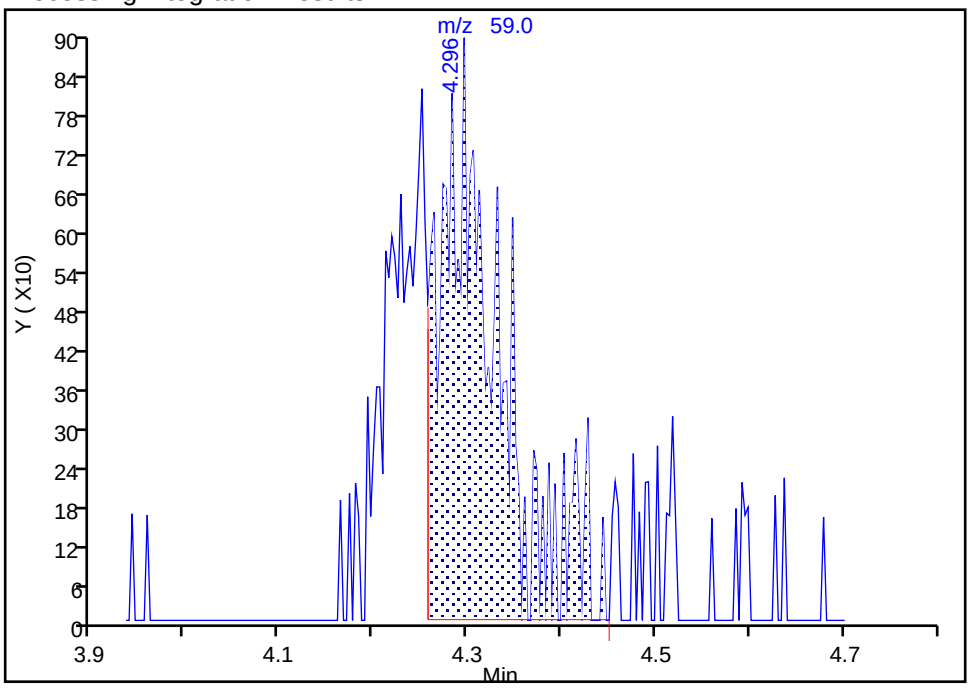
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Lims ID: IC v1
Client ID:
Operator ID: knk41612 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

29 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

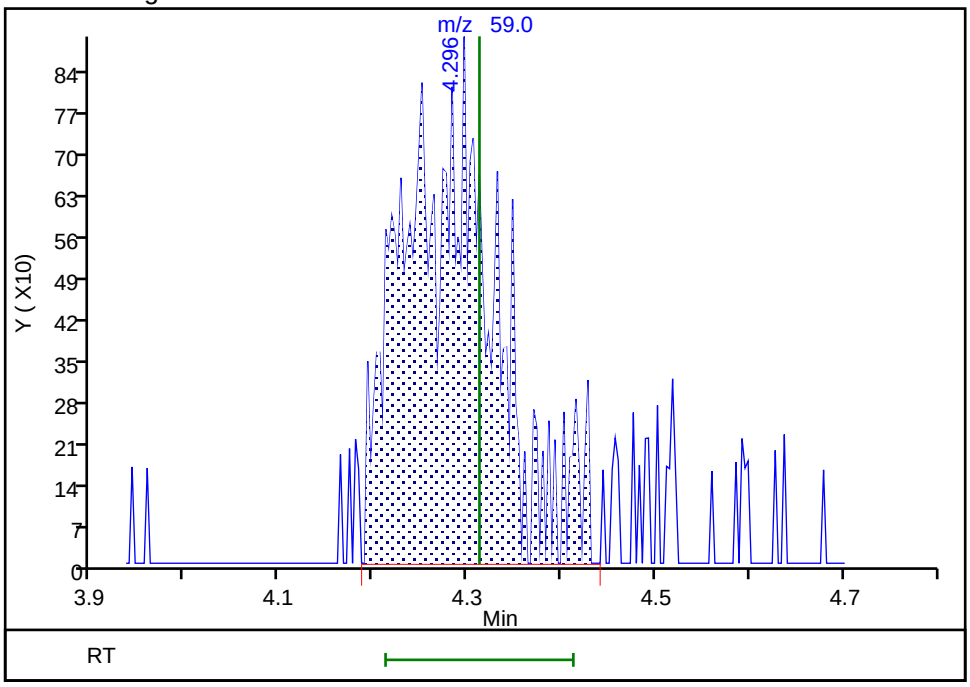
Processing Integration Results

RT: 4.30
Area: 3569
Amount: 3.493757
Amount Units: ug/l



Manual Integration Results

RT: 4.30
Area: 5448
Amount: 5.390548
Amount Units: ug/l



Reviewer: DVW2, 16-Jul-2024 07:49:06 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

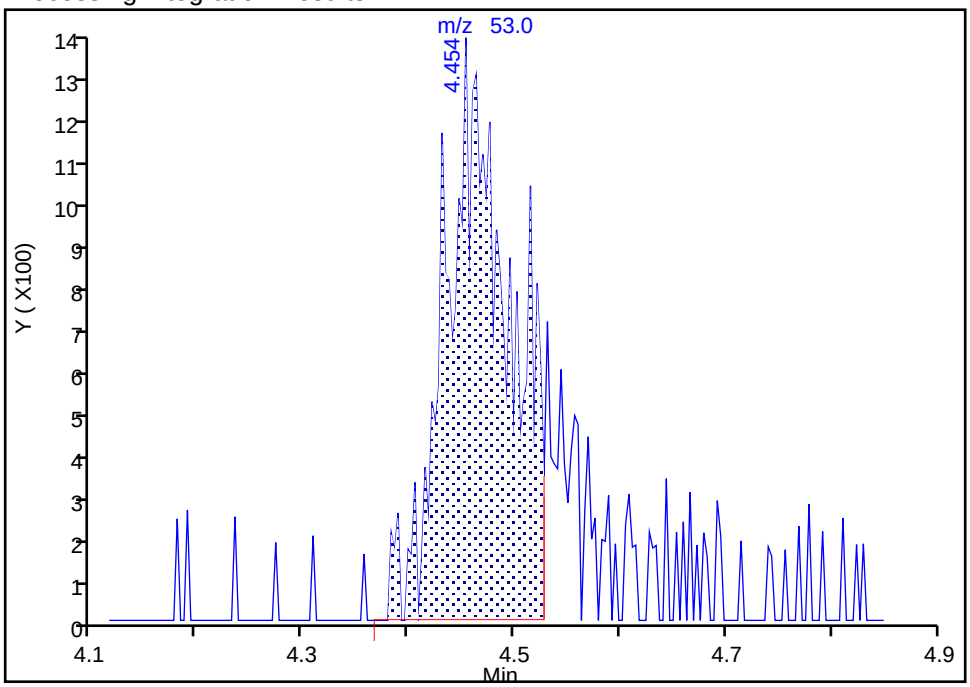
Data File: \\chromfs\Lancaster\ChromData\9915\20240715-119345.b\LL15X11.D
Injection Date: 15-Jul-2024 17:41:30 Instrument ID: 9915
Lims ID: IC v1
Client ID:
Operator ID: knk41612 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

30 Acrylonitrile, CAS: 107-13-1

Signal: 1

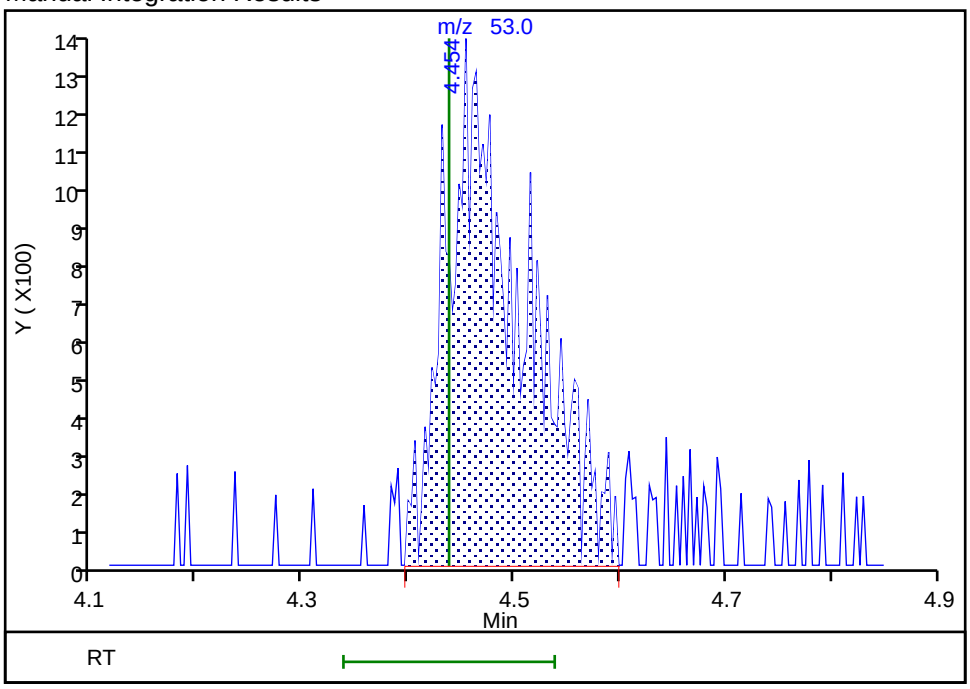
Processing Integration Results

RT: 4.45
Area: 5588
Amount: 2.090116
Amount Units: ug/l



Manual Integration Results

RT: 4.45
Area: 6701
Amount: 2.448179
Amount Units: ug/l



Reviewer: DVW2, 16-Jul-2024 07:49:12 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

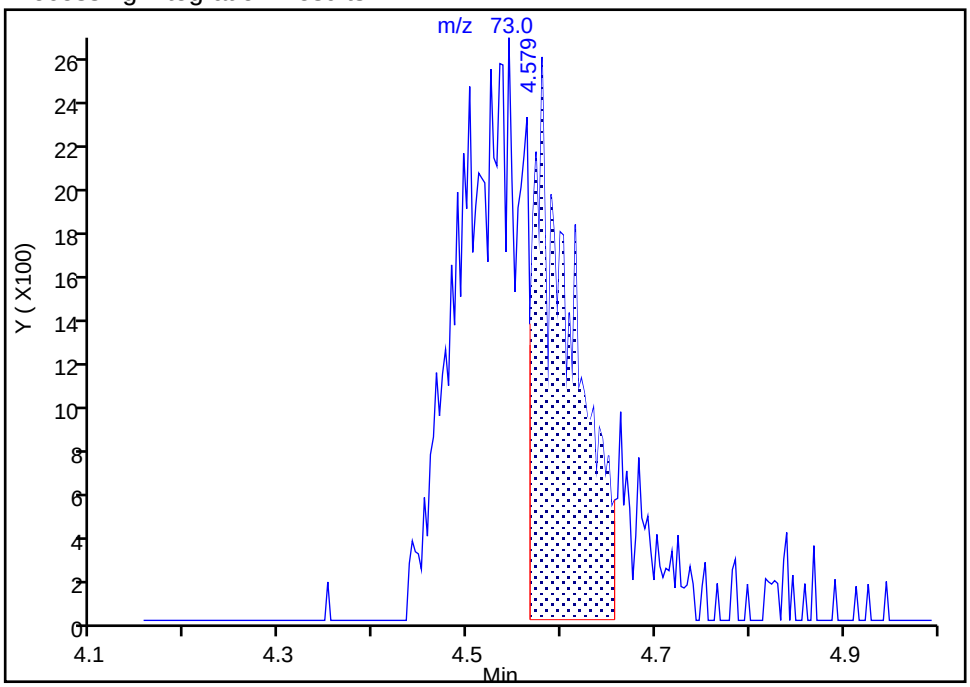
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Injection Date: 15-Jul-2024 17:41:30 Instrument ID: 9915
Lims ID: IC v1
Client ID:
Operator ID: knk41612 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

32 Methyl tert-butyl ether, CAS: 1634-04-4

Signal: 1

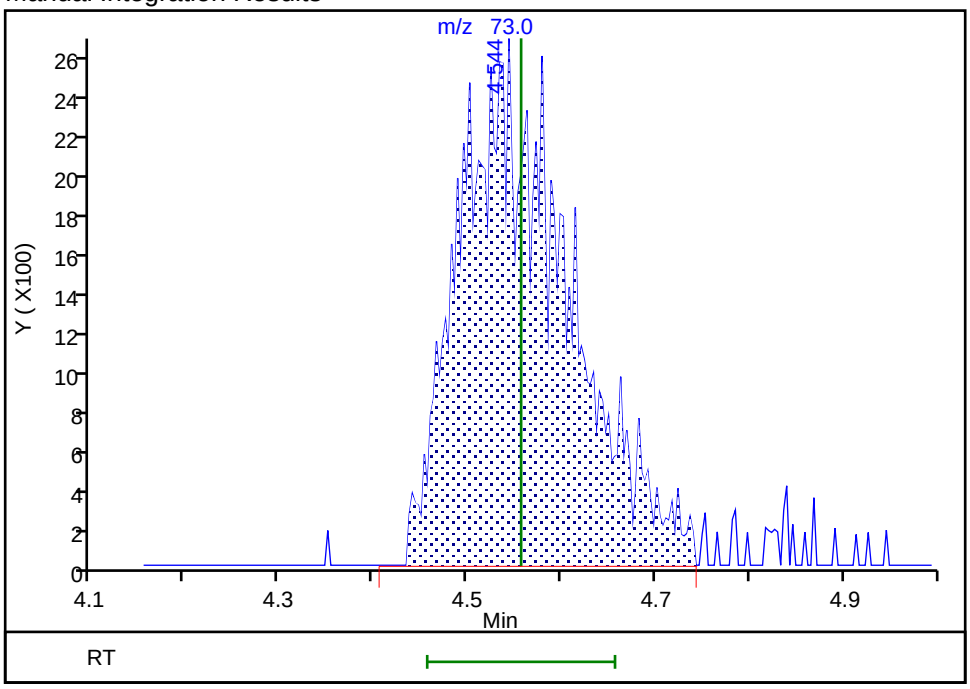
Processing Integration Results

RT: 4.58
Area: 7274
Amount: 1.286269
Amount Units: ug/l



Manual Integration Results

RT: 4.54
Area: 21163
Amount: 0.973746
Amount Units: ug/l



Reviewer: DVW2, 16-Jul-2024 07:49:19 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

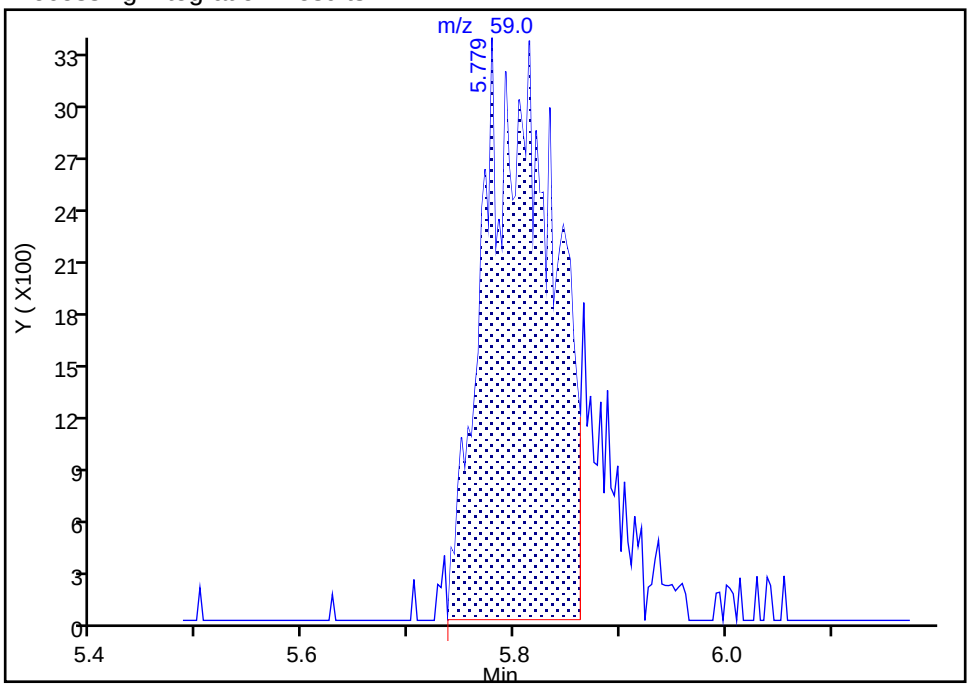
Data File: \\chromfs\Lancaster\ChromData\9915\20240715-119345.b\LL15X11.D
Injection Date: 15-Jul-2024 17:41:30 Instrument ID: 9915
Lims ID: IC v1
Client ID:
Operator ID: knk41612 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

39 Tert-butyl ethyl ether, CAS: 637-92-3

Signal: 1

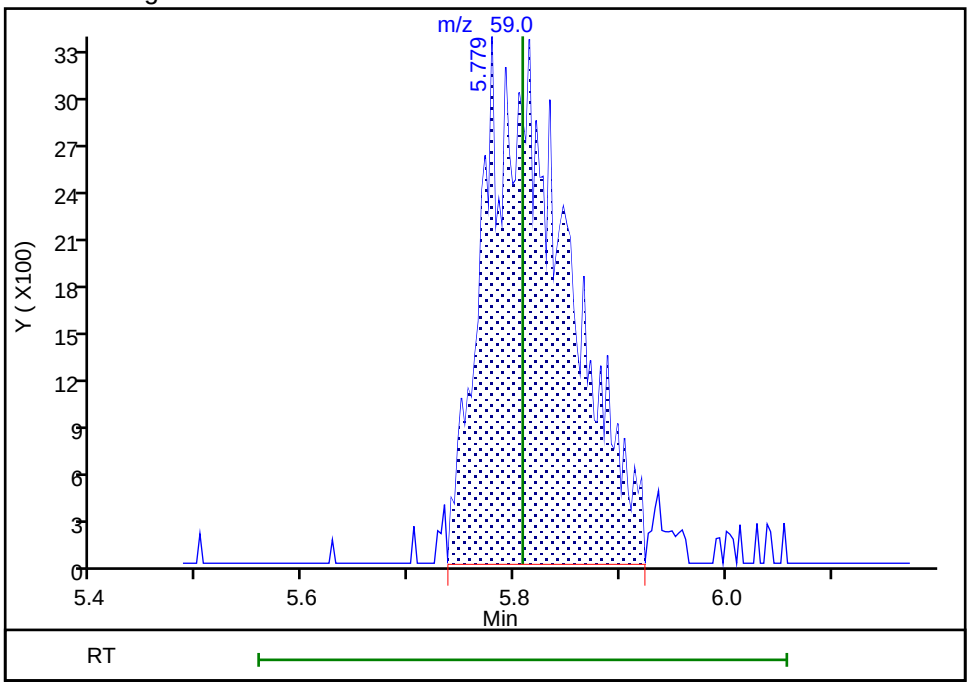
Processing Integration Results

RT: 5.78
Area: 15263
Amount: 0.787205
Amount Units: ug/l



Manual Integration Results

RT: 5.78
Area: 18204
Amount: 0.918976
Amount Units: ug/l



Reviewer: DVW2, 16-Jul-2024 07:49:28 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

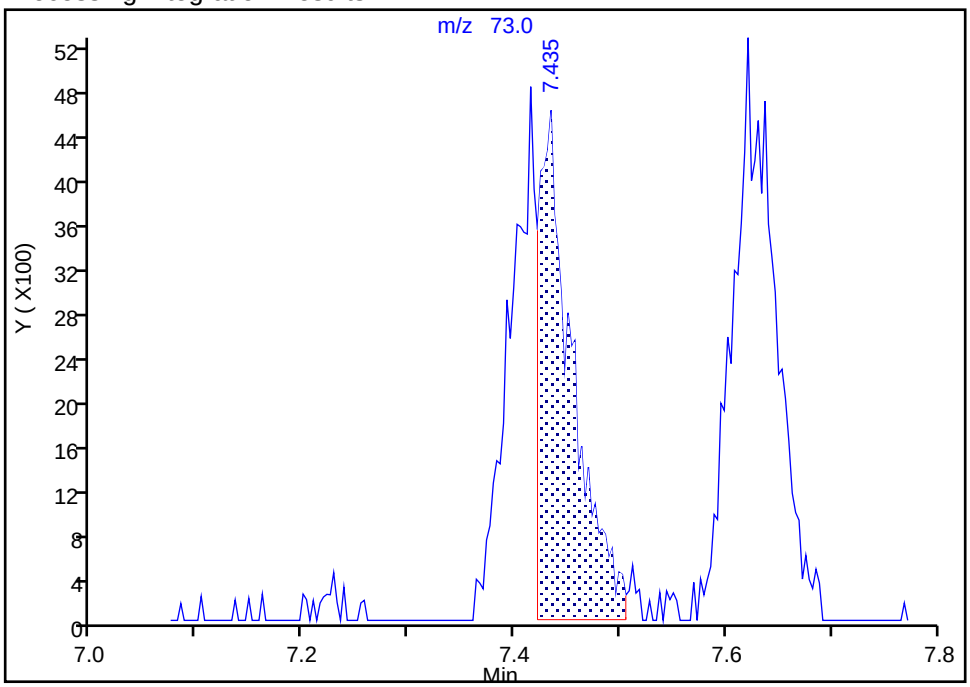
Data File: \\chromfs\Lancaster\ChromData\9915\20240715-119345.b\LL15X11.D
Injection Date: 15-Jul-2024 17:41:30 Instrument ID: 9915
Lims ID: IC v1
Client ID:
Operator ID: knk41612 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

61 Tert-amyl methyl ether, CAS: 994-05-8

Signal: 1

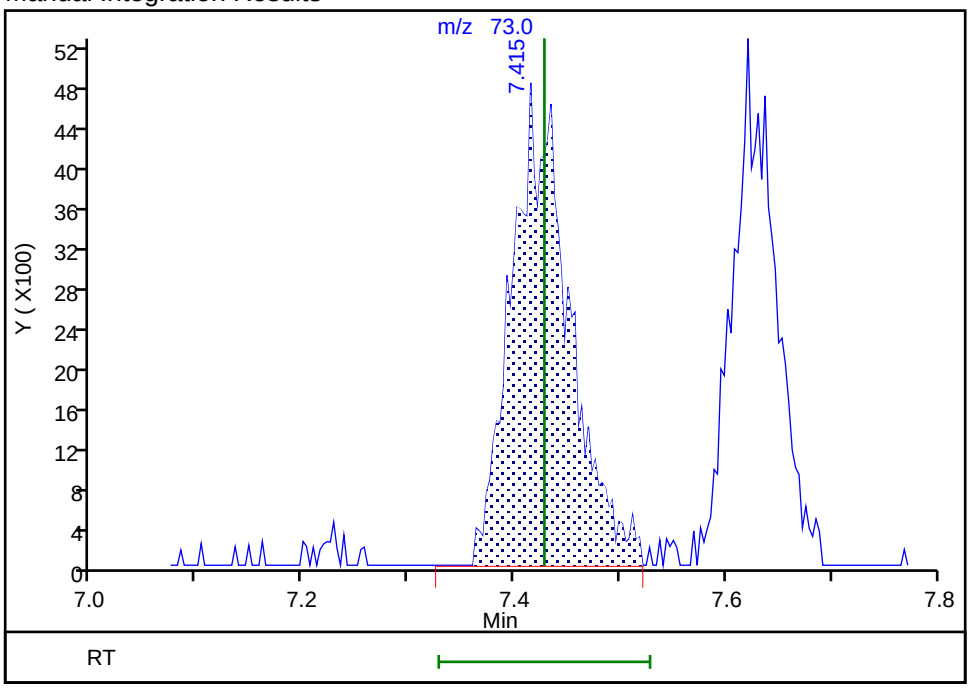
Processing Integration Results

RT: 7.43
Area: 10158
Amount: 1.001775
Amount Units: ug/l



Manual Integration Results

RT: 7.42
Area: 18068
Amount: 0.933425
Amount Units: ug/l



Reviewer: DVW2, 16-Jul-2024 07:49:51 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

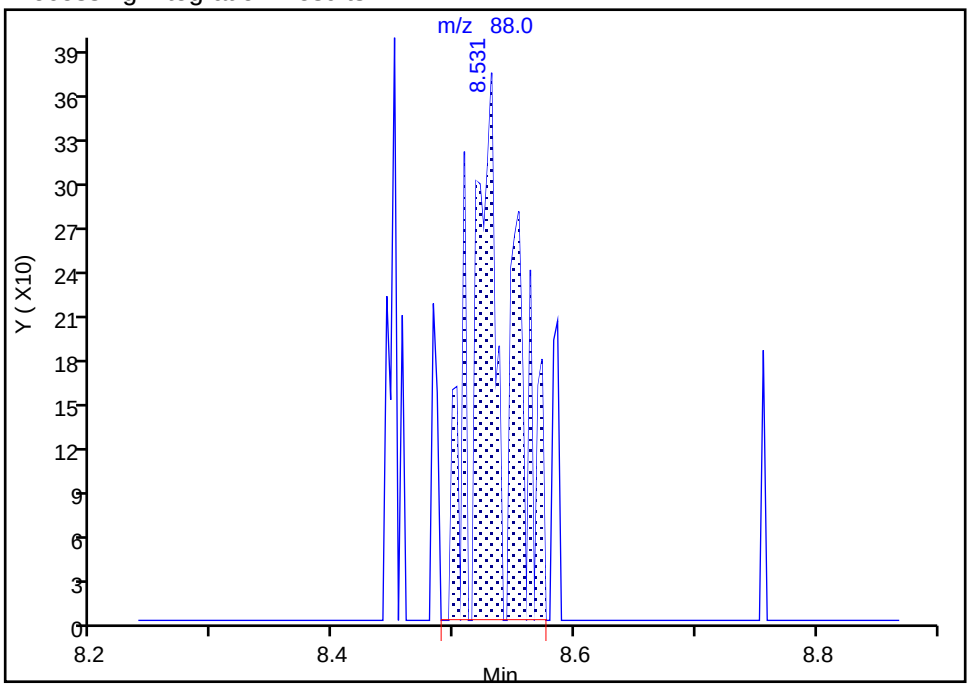
Data File: \\chromfs\Lancaster\ChromData\9915\20240715-119345.b\LL15X11.D
Injection Date: 15-Jul-2024 17:41:30 Instrument ID: 9915
Lims ID: IC v1
Client ID:
Operator ID: knk41612 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

72 1,4-Dioxane, CAS: 123-91-1

Signal: 1

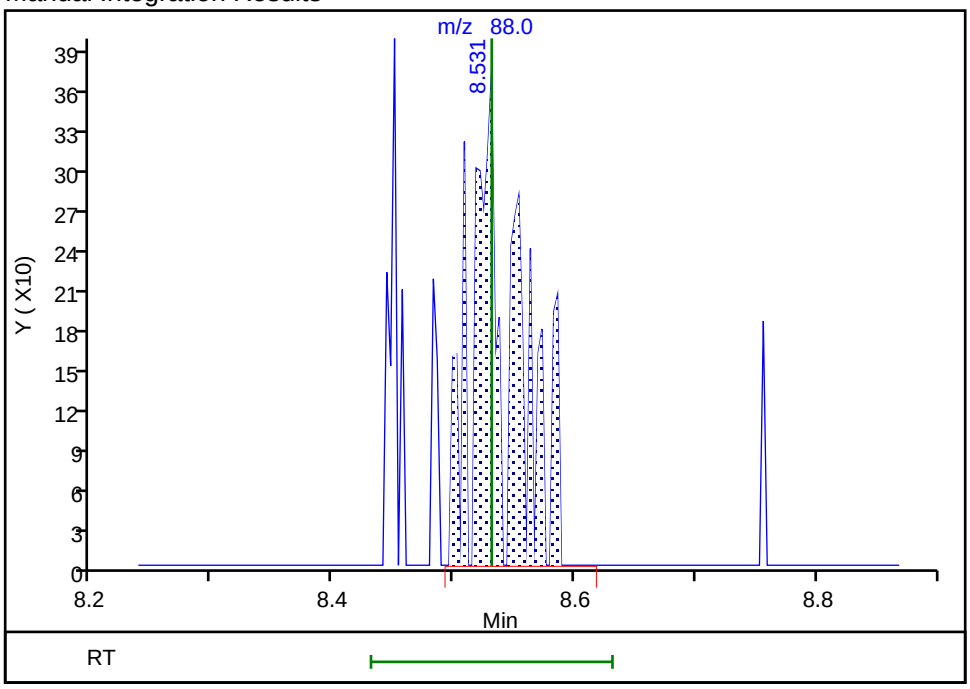
Processing Integration Results

RT: 8.53
Area: 786
Amount: 8.977939
Amount Units: ug/l



Manual Integration Results

RT: 8.53
Area: 863
Amount: 11.247922
Amount Units: ug/l



Reviewer: DVW2, 16-Jul-2024 07:50:01 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

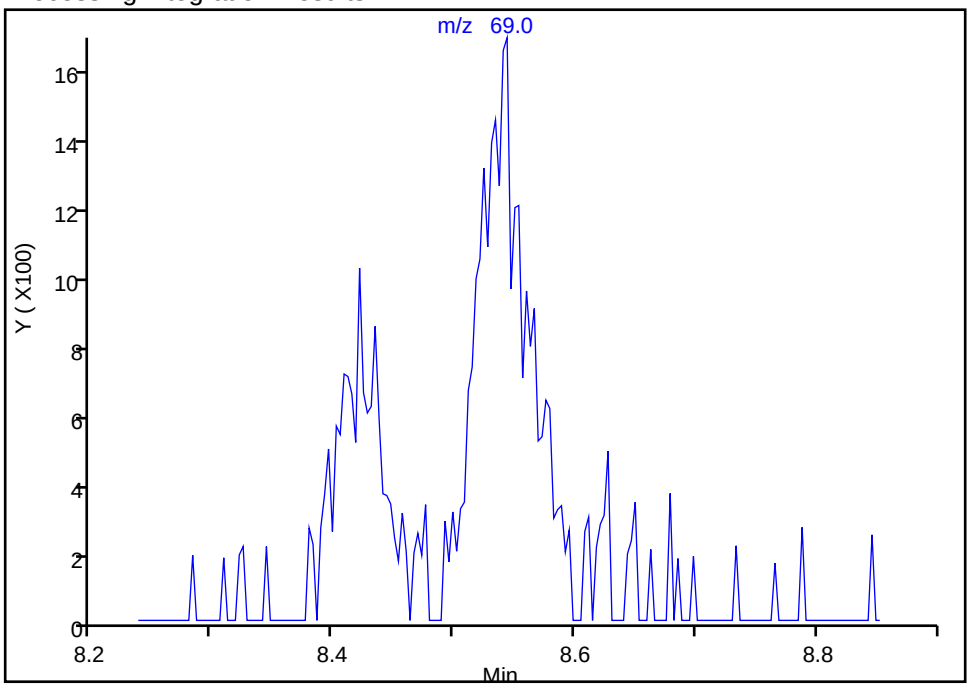
Data File: \\chromfs\Lancaster\ChromData\9915\20240715-119345.b\LL15X11.D
Injection Date: 15-Jul-2024 17:41:30 Instrument ID: 9915
Lims ID: IC v1
Client ID:
Operator ID: knk41612 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

71 Methyl methacrylate, CAS: 80-62-6

Signal: 1

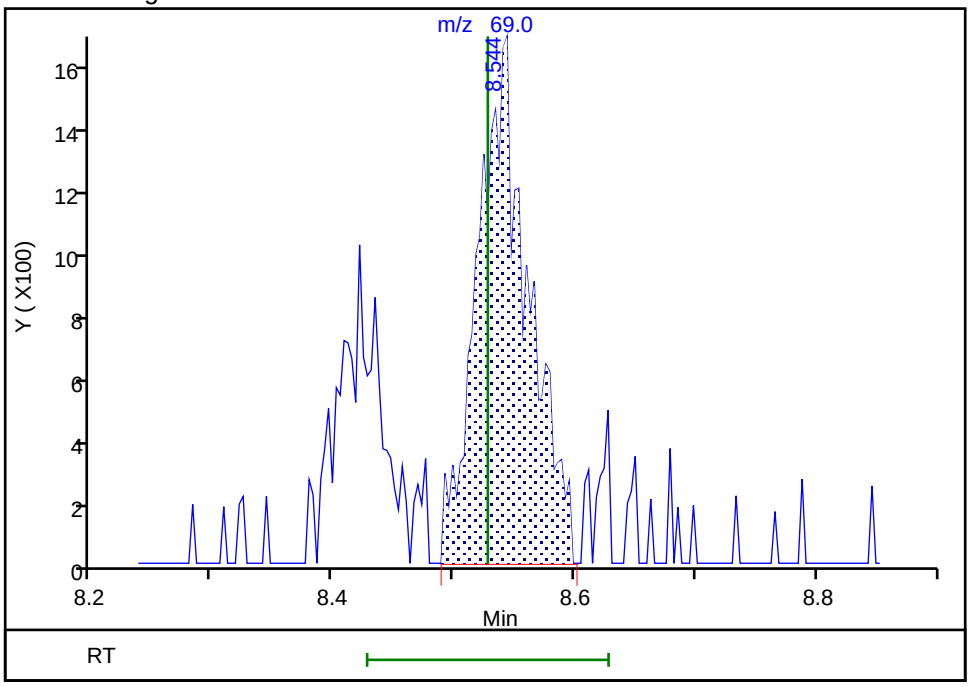
Not Detected
Expected RT: 8.53

Processing Integration Results



Manual Integration Results

RT: 8.54
Area: 4633
Amount: 0.979727
Amount Units: ug/l



Reviewer: DVW2, 16-Jul-2024 07:49:58 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

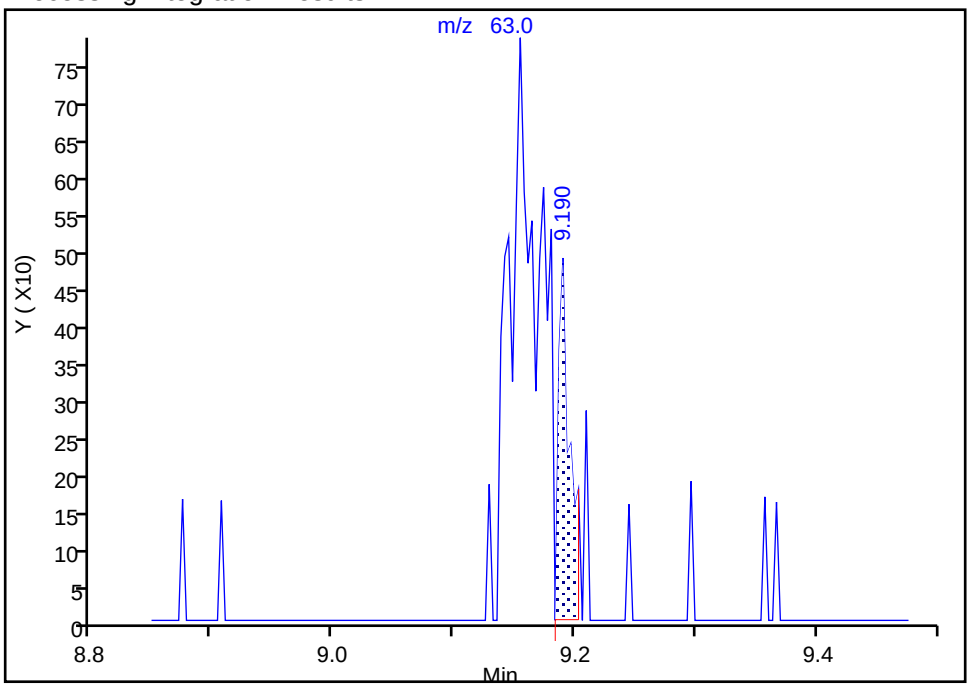
Data File: \\chromfs\Lancaster\ChromData\9915\20240715-119345.b\LL15X11.D
Injection Date: 15-Jul-2024 17:41:30 Instrument ID: 9915
Lims ID: IC v1
Client ID:
Operator ID: knk41612 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

77 2-Chloroethyl vinyl ether, CAS: 110-75-8

Signal: 1

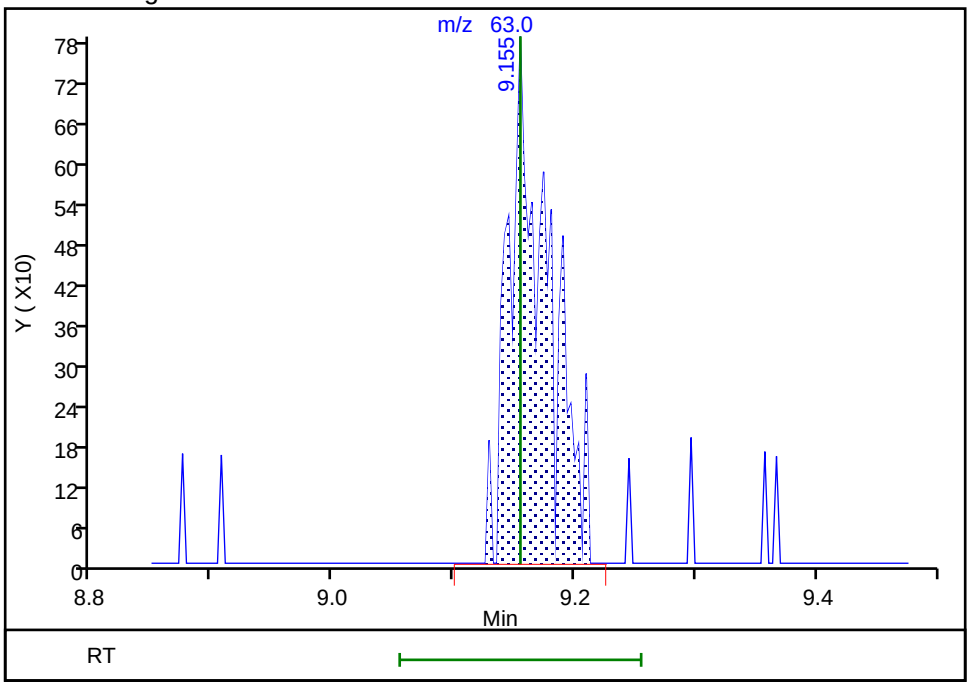
Processing Integration Results

RT: 9.19
Area: 316
Amount: 0.986370
Amount Units: ug/l



Manual Integration Results

RT: 9.15
Area: 1746
Amount: 0.836752
Amount Units: ug/l



Reviewer: DVW2, 16-Jul-2024 07:50:08 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

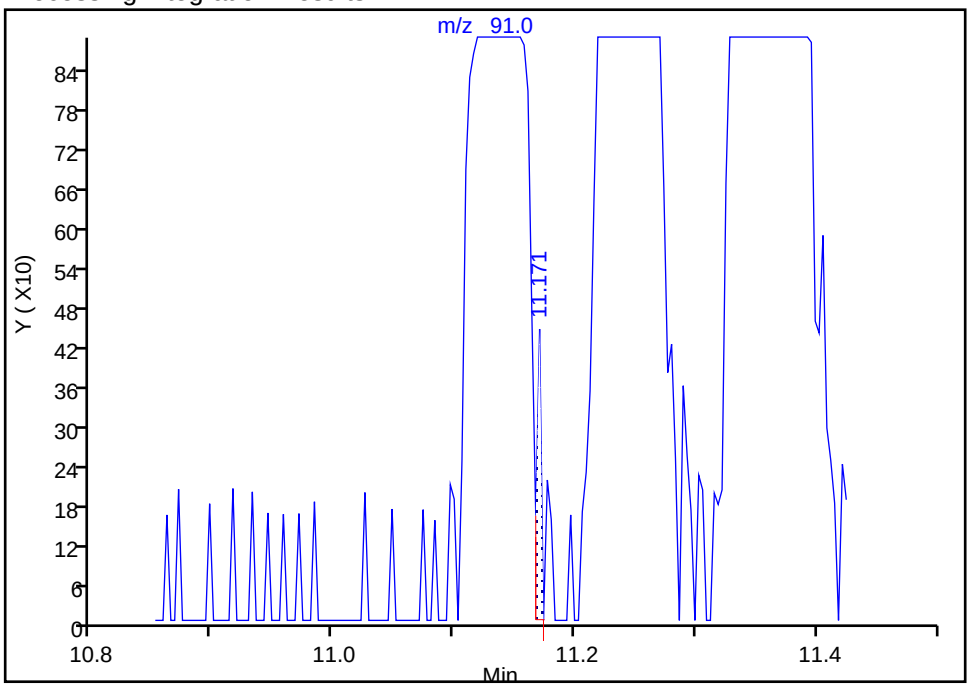
Data File: \\chromfs\Lancaster\ChromData\9915\20240715-119345.b\LL15X11.D
Injection Date: 15-Jul-2024 17:41:30 Instrument ID: 9915
Lims ID: IC v1
Client ID:
Operator ID: knk41612 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

132 1-Chlorohexane, CAS: 544-10-5

Signal: 1

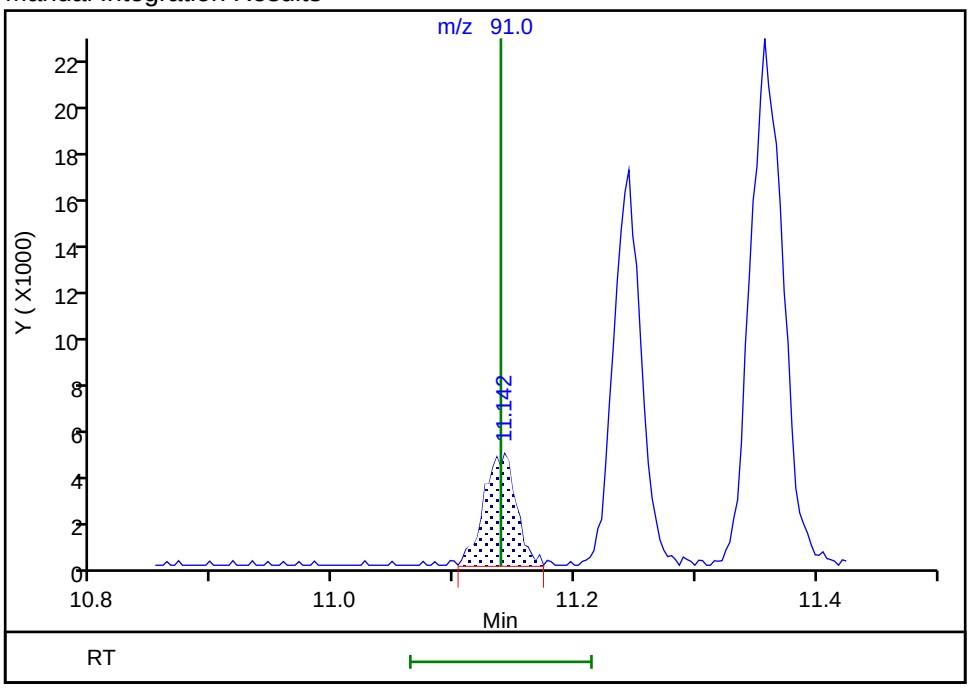
Processing Integration Results

RT: 11.17
Area: 116
Amount: 0.021282
Amount Units: ug/l



Manual Integration Results

RT: 11.14
Area: 8937
Amount: 1.138079
Amount Units: ug/l



Reviewer: DVW2, 16-Jul-2024 07:50:27 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

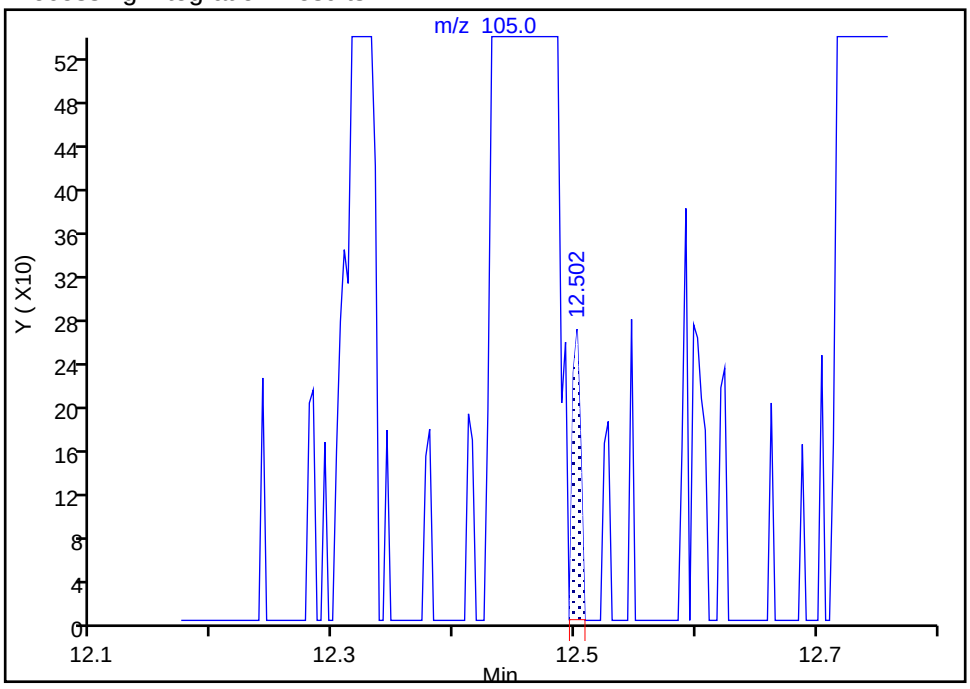
Data File: \\chromfs\Lancaster\ChromData\9915\20240715-119345.b\LL15X11.D
Injection Date: 15-Jul-2024 17:41:30 Instrument ID: 9915
Lims ID: IC v1
Client ID:
Operator ID: knk41612 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

151 1,3,5-Trimethylbenzene, CAS: 108-67-8

Signal: 1

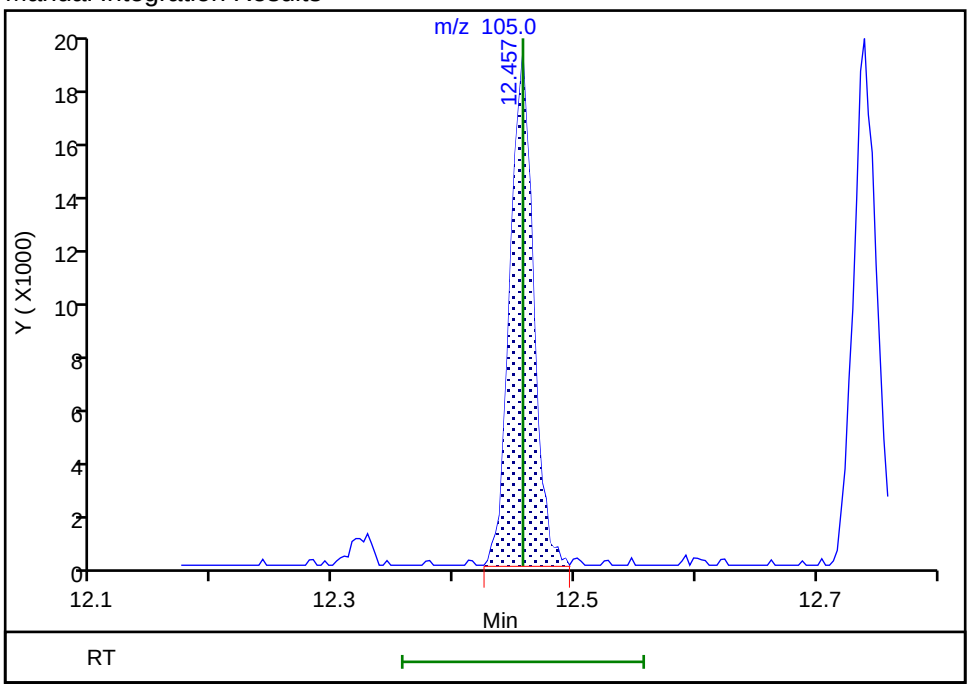
Processing Integration Results

RT: 12.50
Area: 125
Amount: 0.974852
Amount Units: ug/l



Manual Integration Results

RT: 12.46
Area: 25775
Amount: 0.866464
Amount Units: ug/l



Reviewer: DVW2, 16-Jul-2024 07:50:43 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9915\20240715-119345.b\LL15X12.D
Lims ID: IC v4
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 15-Jul-2024 18:04:30 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0119345-013
Misc. Info.: IC V4
Operator ID: knk41612 Instrument ID: 9915
Sublist: chrom-MSVoa_9915a*sub91

Method: \\chromfs\Lancaster\ChromData\9915\20240715-119345.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 16-Jul-2024 20:47:30 Calib Date: 15-Jul-2024 19:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20240715-119345.b\LL15X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1659

First Level Reviewer: DVW2 Date: 16-Jul-2024 07:52:11

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.956	1.946	0.010	98	42151	4.00	4.22	
4 Chloromethane	50	2.142	2.142	0.000	98	47228	4.00	4.25	
6 Butadiene	39	2.251	2.245	0.006	93	48861	4.00	4.59	
5 Vinyl chloride	62	2.258	2.255	0.003	96	46008	4.00	4.23	
8 Bromomethane	94	2.589	2.589	0.000	92	37114	4.00	4.40	
9 Chloroethane	64	2.656	2.653	0.003	99	25439	4.00	4.47	
10 Dichlorofluoromethane	67	2.878	2.898	-0.020	97	74802	4.00	4.27	
11 Trichlorofluoromethane	101	2.962	2.975	-0.013	93	55158	4.00	4.21	
12 Pentane	43	2.981	2.991	-0.010	86	35702	4.00	3.94	
13 Ethyl ether	59	3.171	3.171	0.000	84	16508	4.00	3.86	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.283	3.284	-0.001	84	34561	4.00	4.26	
16 Acrolein	56	3.338	3.332	0.006	98	61942	40.1	37.7	
18 Acetone	58	3.502	3.489	0.013	44	5969	8.00	7.68	M
17 1,1-Dichloroethene	96	3.515	3.512	0.003	95	23536	4.00	3.92	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.537	3.528	0.009	93	27081	4.00	3.93	
20 Isopropyl alcohol	45	3.763	3.666	0.097	25	11236	20.0	20.2	
21 Iodomethane	142	3.692	3.705	-0.013	100	50563	4.00	4.01	
22 Carbon disulfide	76	3.804	3.805	-0.001	98	87117	4.00	3.96	
24 Methyl acetate	43	3.914	3.907	0.007	85	17301	4.00	3.60	
25 3-Chloro-1-propene	41	3.939	3.936	0.003	94	35179	4.00	4.20	
27 Methylene Chloride	84	4.148	4.145	0.003	47	29512	4.00	4.06	
* 28 t-Butyl alcohol-d10 (IS)	65	4.174	4.181	-0.007	33	286610	250.0	250.0	
29 2-Methyl-2-propanol	59	4.328	4.313	0.015	68	20539	20.0	19.9	
30 Acrylonitrile	53	4.463	4.438	0.025	96	27323	10.0	9.91	
31 trans-1,2-Dichloroethene	96	4.531	4.528	0.003	93	23521	4.00	4.19	
32 Methyl tert-butyl ether	73	4.525	4.557	-0.032	90	84003	4.00	3.84	
34 Hexane	57	4.975	4.972	0.003	95	29083	4.00	4.21	
35 1,1-Dichloroethane	63	5.187	5.187	0.000	86	37308	4.00	4.10	
37 Isopropyl ether	45	5.248	5.271	-0.023	93	73873	4.00	3.94	
38 2-Chloro-1,3-butadiene	53	5.306	5.300	0.006	90	33329	4.00	4.23	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
39 Tert-butyl ethyl ether	59	5.798	5.808	-0.010	99	78074	4.00	3.91	
40 2-Butanone (MEK)	43	6.010	6.004	0.006	91	26153	8.00	7.32	
42 cis-1,2-Dichloroethene	96	6.026	6.030	-0.004	79	25580	4.00	4.16	
43 2,2-Dichloropropane	77	6.049	6.058	-0.009	81	41407	4.00	3.99	
45 Propionitrile	54	6.094	6.081	0.013	94	22406	20.0	19.4	
46 Methyl acrylate	55	6.155	6.139	0.016	32	23418	4.00	3.35	a
S 41 1,2-Dichloroethene, Total	100				0			8.34	
47 Methacrylonitrile	67	6.309	6.296	0.013	90	27770	10.0	9.56	
48 Chlorobromomethane	128	6.357	6.354	0.003	91	12638	4.00	3.91	
49 Tetrahydrofuran	71	6.380	6.380	0.000	95	20985	20.0	20.4	
50 Chloroform	83	6.518	6.515	0.003	93	41042	4.00	4.03	
$ 51 Dibromofluoromethane (Surr)	113	6.730	6.730	0.000	93	283336	50.0	49.5	
52 1,1,1-Trichloroethane	97	6.753	6.759	-0.006	97	40806	4.00	3.91	
53 Cyclohexane	56	6.859	6.862	-0.003	88	45274	4.00	3.91	
55 1,1-Dichloropropene	75	6.955	6.959	-0.004	92	30113	4.00	4.11	
54 Carbon tetrachloride	117	6.968	6.965	0.003	82	32318	4.00	3.88	
56 Isobutyl alcohol	41	7.148	7.126	0.022	42	22521	50.0	61.6	
$ 57 1,2-Dichloroethane-d4 (Surr)	102	7.187	7.187	0.000	90	68533	50.0	49.5	
58 Benzene	78	7.219	7.222	-0.003	91	90534	4.00	3.99	
59 1,2-Dichloroethane	62	7.290	7.293	-0.003	97	30779	4.00	4.02	
61 Tert-amyl methyl ether	73	7.425	7.428	-0.003	98	69850	4.00	3.58	
* 62 Fluorobenzene (IS)	96	7.631	7.628	0.003	99	1142427	50.0	50.0	
63 n-Heptane	43	7.653	7.653	0.000	90	28369	4.00	3.86	
65 n-Butanol	56	8.036	8.010	0.026	76	11151	50.0	45.0	
66 Trichloroethene	95	8.113	8.110	0.003	96	24186	4.00	4.11	
67 Ethyl acrylate	55	8.238	8.226	0.012	98	26451	4.00	3.31	a
68 Methylcyclohexane	83	8.431	8.425	0.006	90	42824	4.00	3.71	
69 1,2-Dichloropropane	63	8.431	8.438	-0.007	79	22416	4.00	3.99	
70 2-ethoxy-2-methyl butane	87	8.457	8.460	-0.003	92	34320	4.00	3.71	
71 Methyl methacrylate	69	8.541	8.528	0.012	94	18095	4.00	3.80	a
72 1,4-Dioxane	88	8.537	8.531	0.006	34	3358	50.0	42.8	M
73 Dibromomethane	93	8.550	8.547	0.003	94	16514	4.00	4.02	
75 Dichlorobromomethane	83	8.785	8.788	-0.003	99	27104	4.00	3.81	
76 2-Nitropropane	41	9.065	9.052	0.013	100	37147	20.0	18.6	
77 2-Chloroethyl vinyl ether	63	9.161	9.155	0.006	89	7586	4.00	3.61	
78 cis-1,3-Dichloropropene	75	9.344	9.345	0.000	94	34311	4.00	3.90	
79 4-Methyl-2-pentanone (MIBK)	43	9.524	9.521	0.003	97	62785	8.00	7.46	
$ 80 Toluene-d8 (Surr)	98	9.659	9.660	-0.001	94	1136377	50.0	50.1	
81 Toluene	92	9.737	9.737	0.000	98	56405	4.00	4.00	
120 trans-1,3-Dichloropropene	75	9.997	9.994	0.003	94	29562	4.00	3.79	
S 119 1,3-Dichloropropene, Total	100				0			7.69	
121 Ethyl methacrylate	69	10.065	10.062	0.003	88	34677	4.00	3.93	
122 1,1,2-Trichloroethane	97	10.200	10.200	0.000	91	20306	4.00	3.89	
123 Tetrachloroethene	166	10.293	10.293	0.000	95	24563	4.00	4.12	
124 1,3-Dichloropropane	76	10.360	10.361	-0.001	92	32267	4.00	3.88	
125 2-Hexanone	43	10.425	10.418	0.007	95	40534	8.00	7.60	
128 Chlorodibromomethane	129	10.576	10.579	-0.003	88	20549	4.00	3.71	
129 Ethylene Dibromide	107	10.688	10.689	0.000	96	22268	4.00	3.97	
* 130 Chlorobenzene-d5 (IS)	117	11.126	11.126	0.000	85	895289	50.0	50.0	
132 1-Chlorohexane	91	11.138	11.139	-0.001	36	32119	4.00	4.11	a
133 Chlorobenzene	112	11.155	11.155	0.000	96	63462	4.00	4.05	
134 1,1,1,2-Tetrachloroethane	131	11.235	11.235	0.000	95	23633	4.00	3.70	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
135 Ethylbenzene	91	11.245	11.242	0.003	99	117020	4.00	4.06	
S 131 Xylenes, Total	106				0			12.1	
136 m-Xylene & p-Xylene	106	11.360	11.357	0.003	99	91649	8.00	8.15	
137 n-Butyl acrylate	55	11.640	11.637	0.003	98	47731	4.00	3.65	a
138 o-Xylene	106	11.685	11.688	-0.003	96	48155	4.00	3.97	
139 Styrene	104	11.704	11.701	0.003	95	73242	4.00	4.00	
140 Bromoform	173	11.859	11.856	0.003	95	15142	4.00	3.72	
142 Isopropylbenzene	105	11.991	11.991	0.000	95	121345	4.00	3.98	
141 Cyclohexanone	55	12.061	12.061	0.000	93	69688	200.0	188.5	
$ 143 4-Bromofluorobenzene (Surr)	95	12.132	12.132	0.000	90	460250	50.0	51.4	
145 1,1,2,2-Tetrachloroethane	83	12.232	12.232	0.000	97	37773	4.00	3.80	
146 Bromobenzene	156	12.248	12.248	0.000	95	30268	4.00	4.01	
147 trans-1,4-Dichloro-2-butene	53	12.261	12.258	0.003	90	23056	10.0	9.02	
148 1,2,3-Trichloropropane	110	12.277	12.280	-0.003	83	11853	4.00	4.00	
149 N-Propylbenzene	91	12.318	12.319	-0.001	99	148025	4.00	3.99	
150 2-Chlorotoluene	126	12.399	12.396	0.003	97	29625	4.00	3.84	
151 1,3,5-Trimethylbenzene	105	12.454	12.457	-0.003	93	109385	4.00	3.74	
153 4-Chlorotoluene	126	12.489	12.486	0.003	97	29336	4.00	3.96	
154 tert-Butylbenzene	134	12.698	12.698	0.000	93	19282	4.00	3.59	
156 1,2,4-Trimethylbenzene	105	12.740	12.740	0.000	97	113874	4.00	3.84	
157 sec-Butylbenzene	105	12.862	12.862	0.000	94	138830	4.00	3.77	
158 1,3-Dichlorobenzene	146	12.958	12.959	0.000	98	61459	4.00	4.09	
159 4-Isopropyltoluene	119	12.971	12.968	0.003	97	123039	4.00	3.79	
* 160 1,4-Dichlorobenzene-d4	152	13.013	13.013	0.000	95	544366	50.0	50.0	
161 1,4-Dichlorobenzene	146	13.032	13.029	0.003	95	62057	4.00	4.06	
162 1,2,3-Trimethylbenzene	105	13.042	13.045	-0.003	99	122228	4.00	3.81	
163 Benzyl chloride	91	13.109	13.106	0.003	98	71167	4.00	3.67	
164 1,3-Diethylbenzene	119	13.171	13.171	0.000	96	74788	4.00	3.93	
165 p-Diethylbenzene	119	13.238	13.241	-0.003	94	79208	4.00	3.98	
166 n-Butylbenzene	92	13.264	13.261	0.003	97	63923	4.00	4.03	
167 1,2-Dichlorobenzene	146	13.290	13.293	-0.003	98	63988	4.00	3.99	
168 o-diethylbenzene	119	13.312	13.312	0.000	95	59573	4.00	3.74	
170 1,2-Dibromo-3-Chloropropane	75	13.830	13.827	0.003	81	9463	4.00	3.64	
171 1,3,5-Trichlorobenzene	180	13.958	13.958	0.000	98	49145	4.00	3.80	
172 1,2,4-Trichlorobenzene	180	14.383	14.383	0.000	95	50640	4.00	3.88	
173 2-Ethylhexyl acrylate	55	14.441	14.441	0.000	82	44205	4.00	3.18	a
174 Hexachlorobutadiene	225	14.466	14.466	0.000	95	17398	4.00	3.63	
175 Naphthalene	128	14.563	14.563	0.000	96	175939	4.00	3.90	
176 1,2,3-Trichlorobenzene	180	14.704	14.704	0.000	96	53223	4.00	3.90	
177 2-Methylnaphthalene	142	15.322	15.319	0.003	92	96671	4.00	3.63	
S 188 Total Diethylbenzene	1				0			11.7	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_CCV_VOC#1_00192	Amount Added:	4.00	Units: uL	
MSV_CCV_CYC_00009	Amount Added:	32.00	Units: uL	
MSV_CCV_VOC#3_00188	Amount Added:	3.20	Units: uL	
MSV_CCV_2CEVE_00184	Amount Added:	4.00	Units: uL	
MSV_CCV_GASES_00819	Amount Added:	2.00	Units: uL	
MSV_CCV_EE_00007	Amount Added:	4.00	Units: uL	
MSV_CCV_OH_Sp_00012	Amount Added:	4.00	Units: uL	
MSV_HP23_ISSS_00014	Amount Added:	1.00	Units: uL	Run Reagent

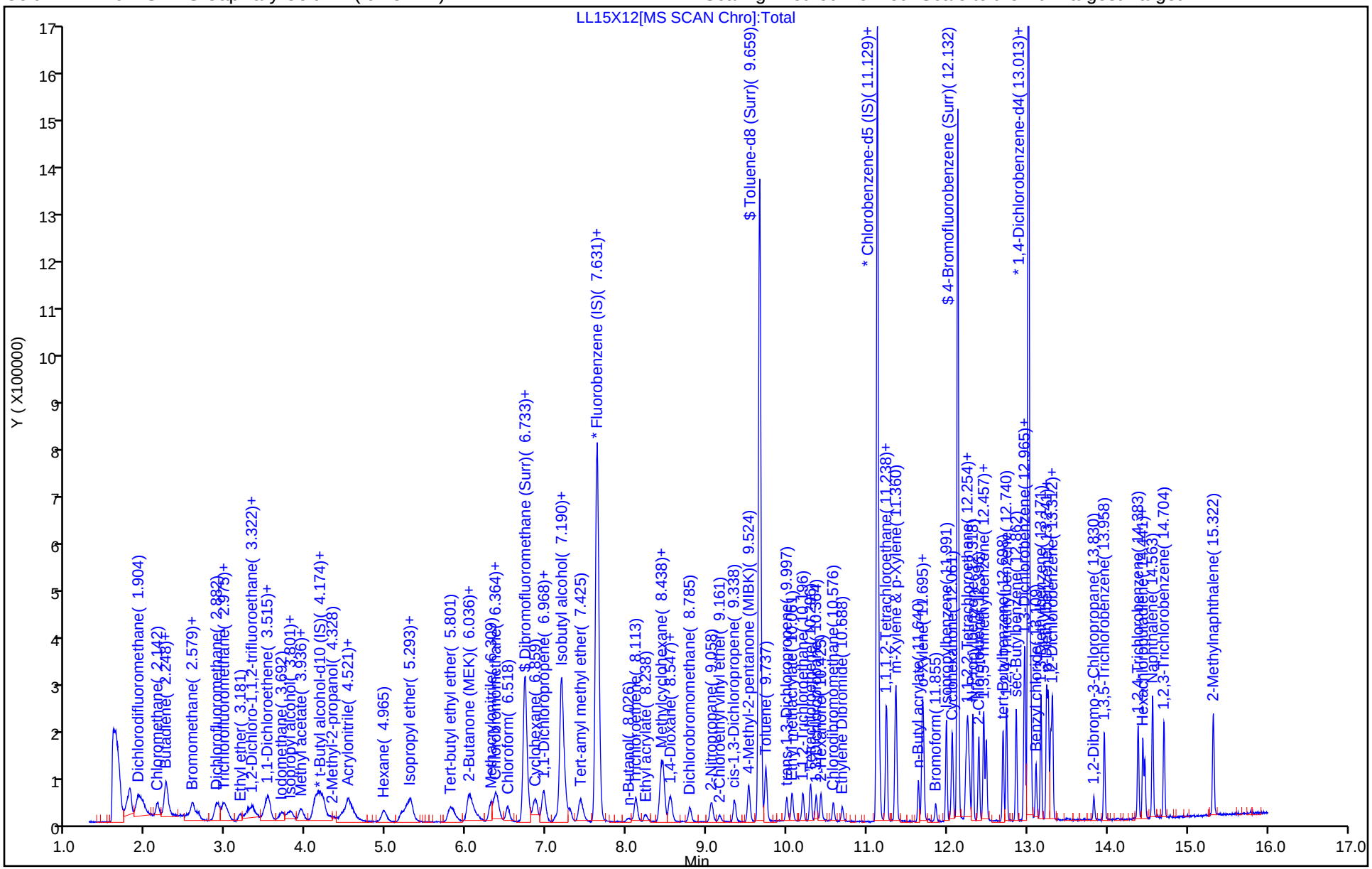
Report Date: 16-Jul-2024 20:47:30 Chrom Revision: 2.3 26-Jun-2024 16:13:32

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9915\20240715-119345.b\LL15X12.D

Injection Date:	15-Jul-2024 18:04:30	Instrument ID:	9915	Operator ID:	knk41612
Lims ID:	IC v4			Worklist Smp#:	13
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	MSVoa_9915a	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

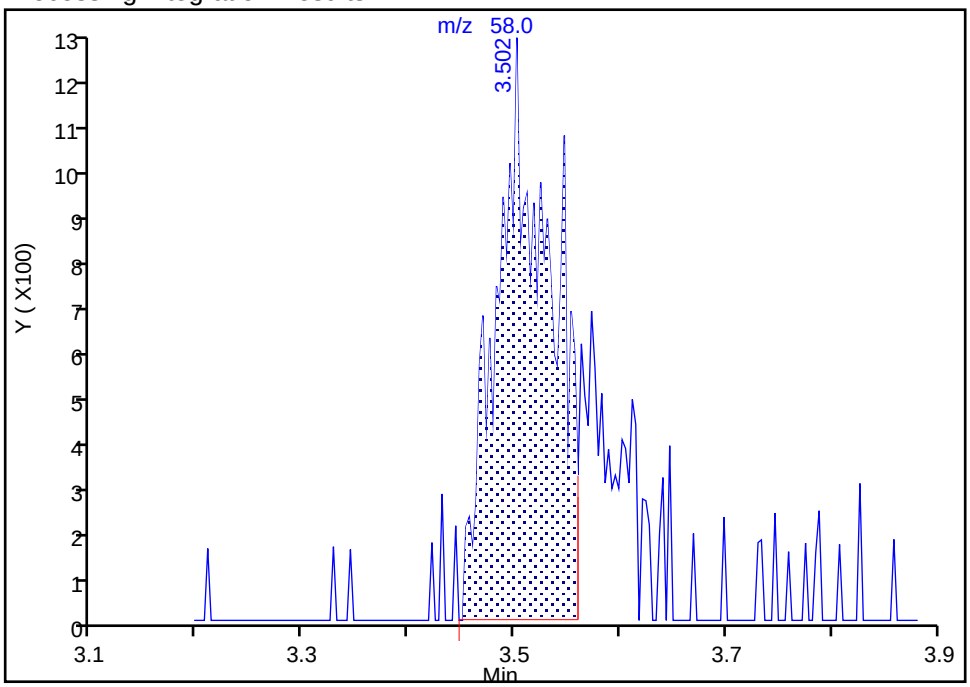
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Injection Date: 15-Jul-2024 18:04:30 Instrument ID: 9915
Lims ID: IC v4
Client ID:
Operator ID: knk41612 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

18 Acetone, CAS: 67-64-1

Signal: 1

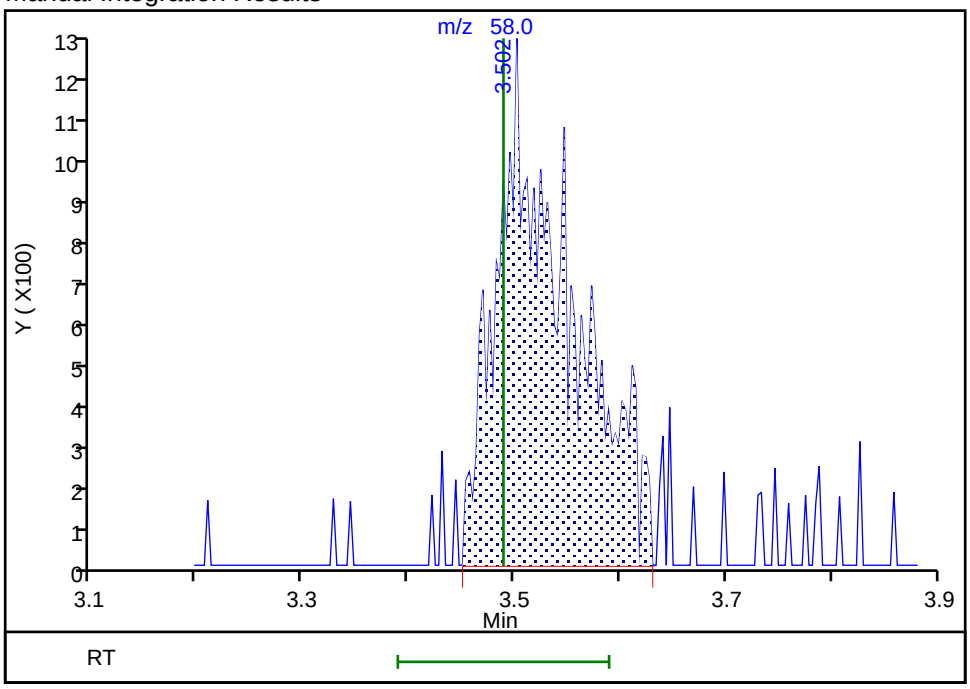
Processing Integration Results

RT: 3.50
Area: 4438
Amount: 5.914795
Amount Units: ug/l



Manual Integration Results

RT: 3.50
Area: 5969
Amount: 7.675580
Amount Units: ug/l



Reviewer: DVW2, 16-Jul-2024 07:51:17 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

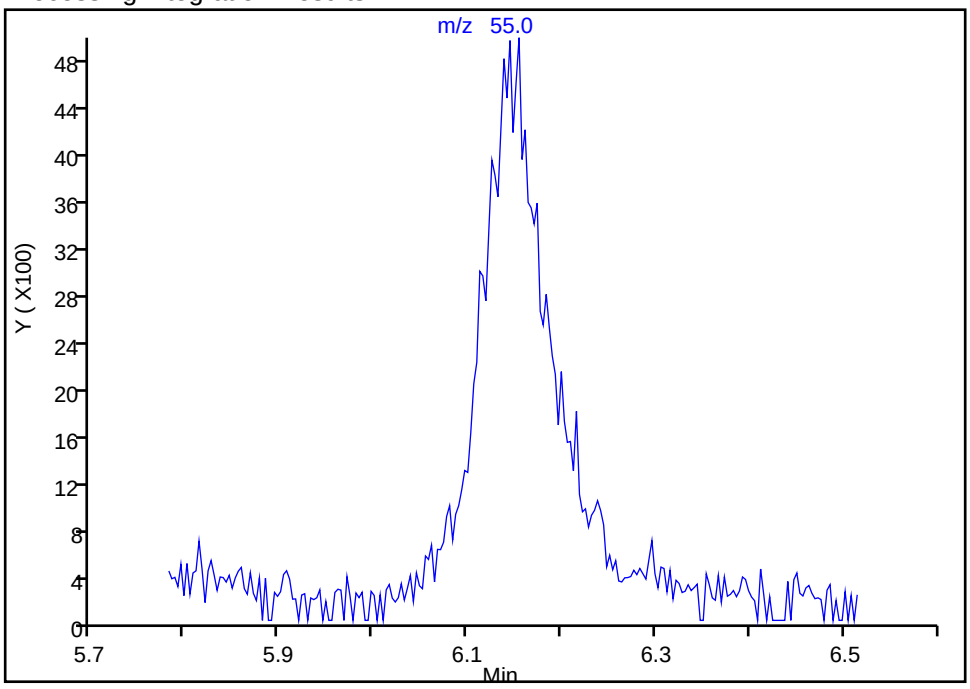
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Injection Date: 15-Jul-2024 18:04:30 Instrument ID: 9915
Lims ID: IC v4
Client ID:
Operator ID: knk41612 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

46 Methyl acrylate, CAS: 96-33-3

Signal: 1

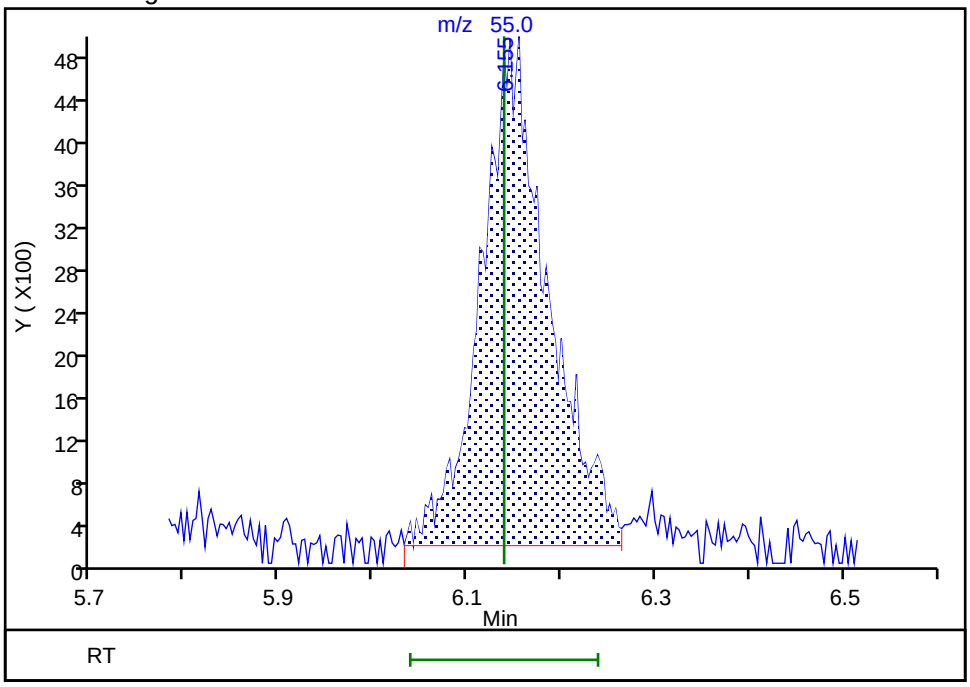
Not Detected
Expected RT: 6.14

Processing Integration Results



Manual Integration Results

RT: 6.15
Area: 23418
Amount: 3.346449
Amount Units: ug/l



Reviewer: DVW2, 16-Jul-2024 08:30:33 -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

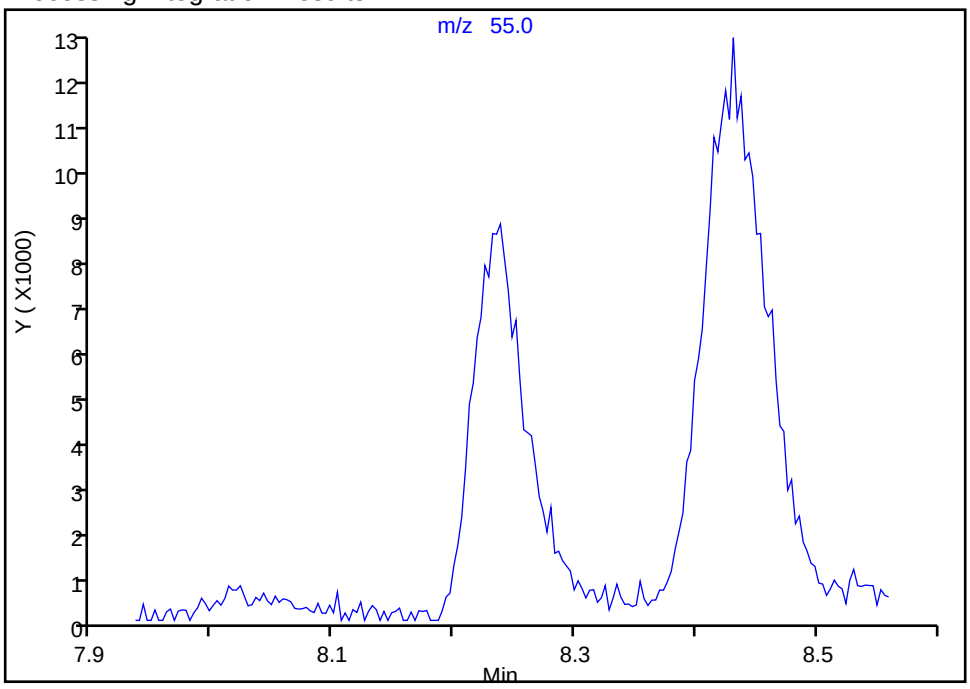
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Injection Date: 15-Jul-2024 18:04:30 Instrument ID: 9915
Lims ID: IC v4
Client ID:
Operator ID: knk41612 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

67 Ethyl acrylate, CAS: 140-88-5

Signal: 1

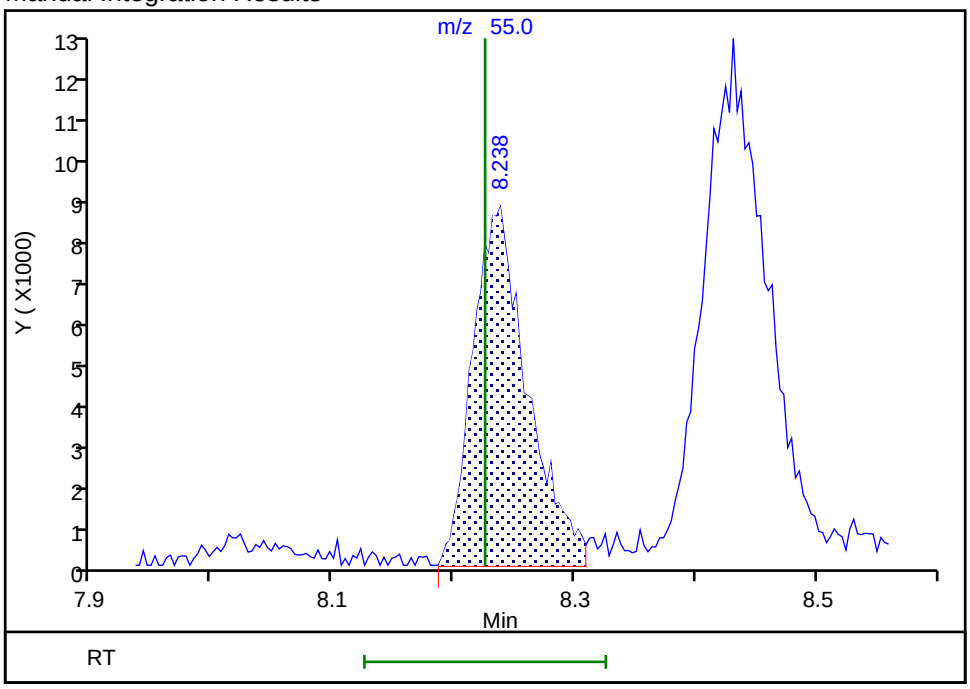
Not Detected
Expected RT: 8.23

Processing Integration Results



Manual Integration Results

RT: 8.24
Area: 26451
Amount: 3.313221
Amount Units: ug/l



Reviewer: DVW2, 16-Jul-2024 08:30:39 -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

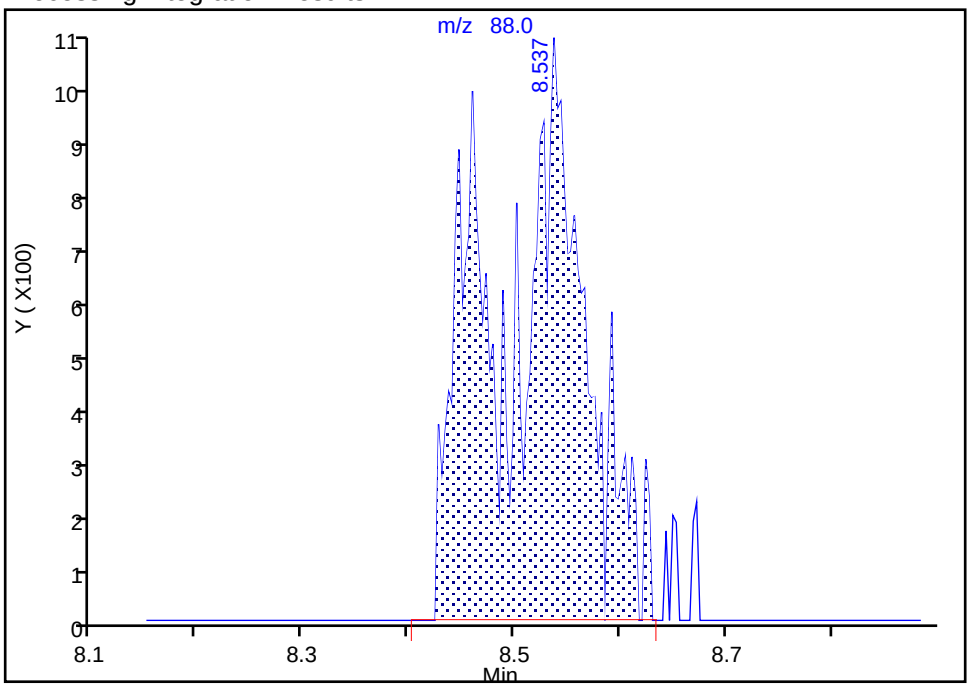
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Injection Date: 15-Jul-2024 18:04:30 Instrument ID: 9915
Lims ID: IC v4
Client ID:
Operator ID: knk41612 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

72 1,4-Dioxane, CAS: 123-91-1

Signal: 1

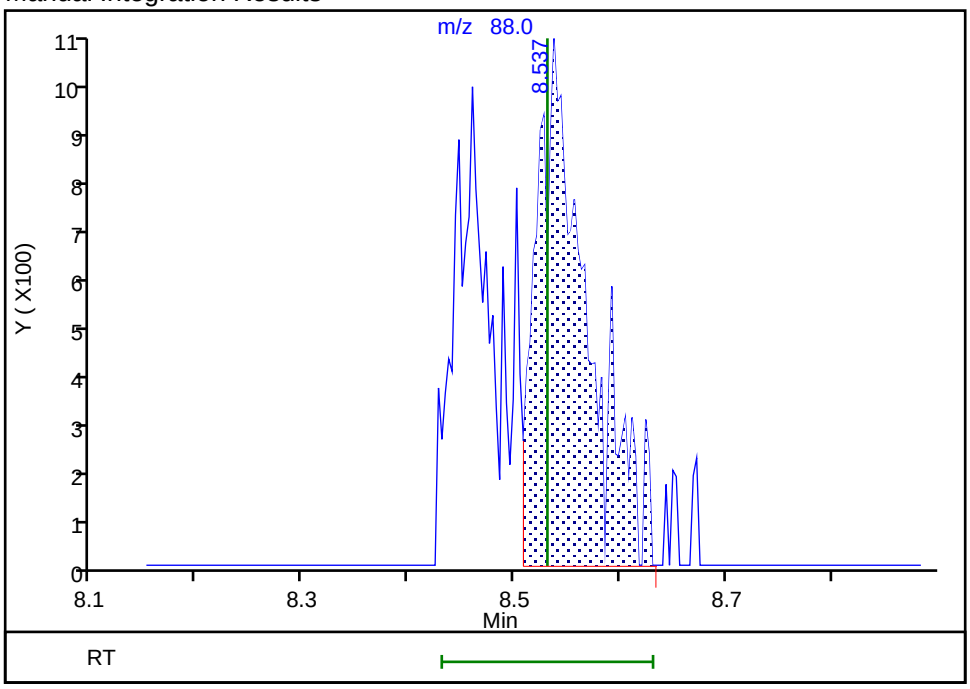
Processing Integration Results

RT: 8.54
Area: 5727
Amount: 63.346654
Amount Units: ug/l



Manual Integration Results

RT: 8.54
Area: 3358
Amount: 42.808319
Amount Units: ug/l



Reviewer: DVW2, 16-Jul-2024 07:51:45 -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

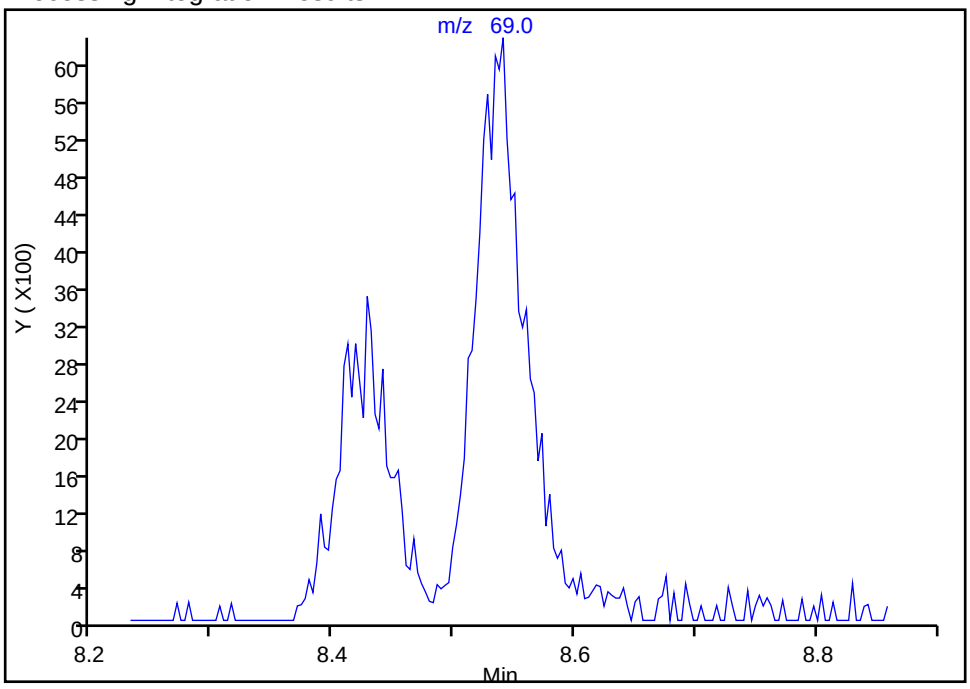
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Injection Date: 15-Jul-2024 18:04:30 Instrument ID: 9915
Lims ID: IC v4
Client ID:
Operator ID: knk41612 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

71 Methyl methacrylate, CAS: 80-62-6

Signal: 1

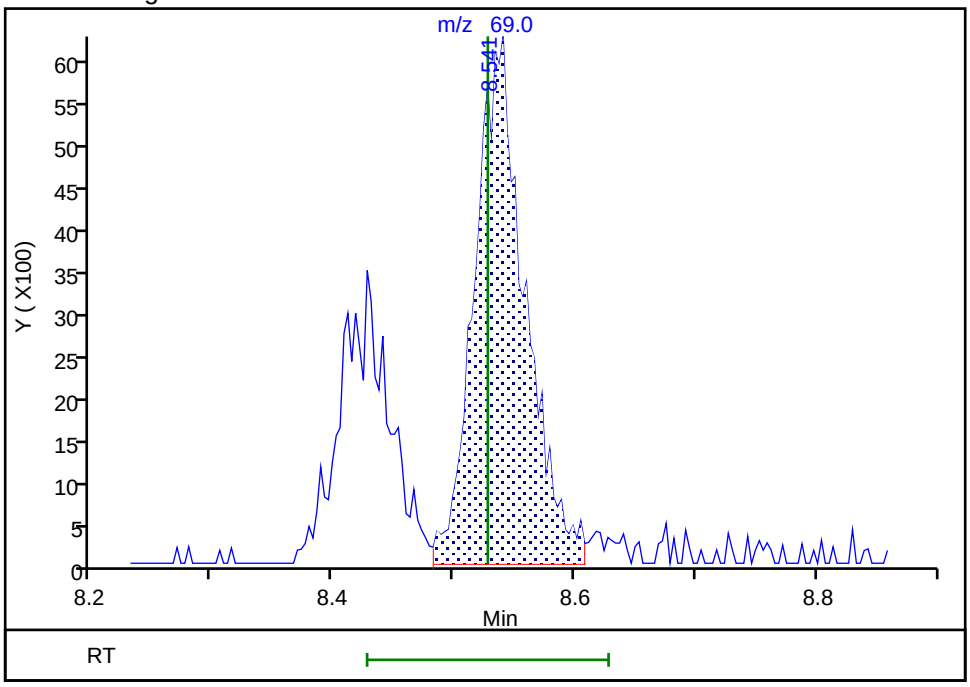
Not Detected
Expected RT: 8.53

Processing Integration Results



Manual Integration Results

RT: 8.54
Area: 18095
Amount: 3.798413
Amount Units: ug/l



Reviewer: DVW2, 16-Jul-2024 07:51:38 -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

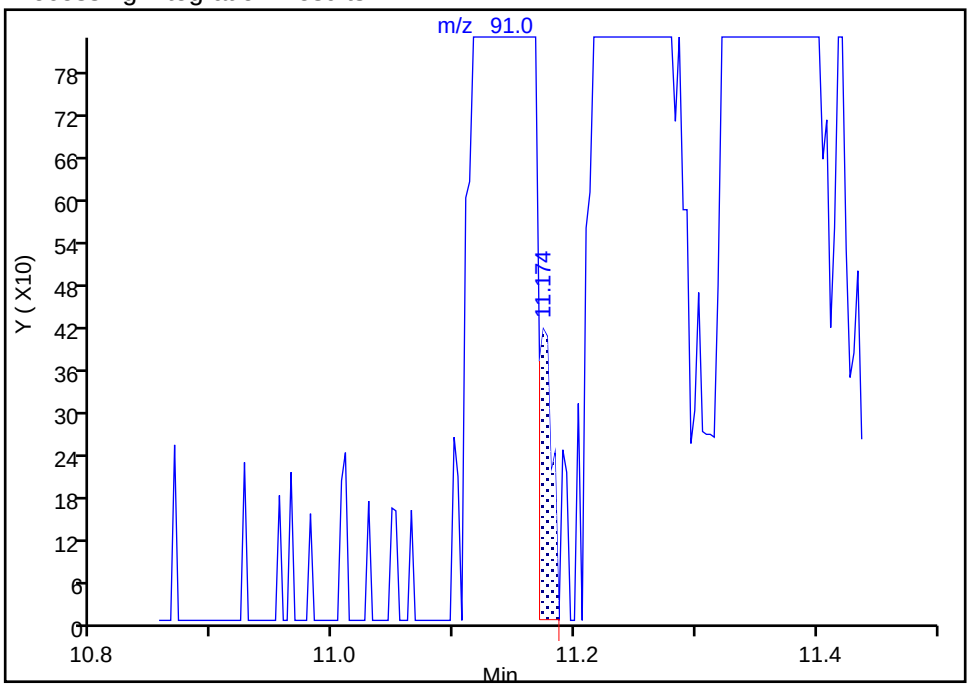
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Injection Date: 15-Jul-2024 18:04:30 Instrument ID: 9915
Lims ID: IC v4
Client ID:
Operator ID: knk41612 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

132 1-Chlorohexane, CAS: 544-10-5

Signal: 1

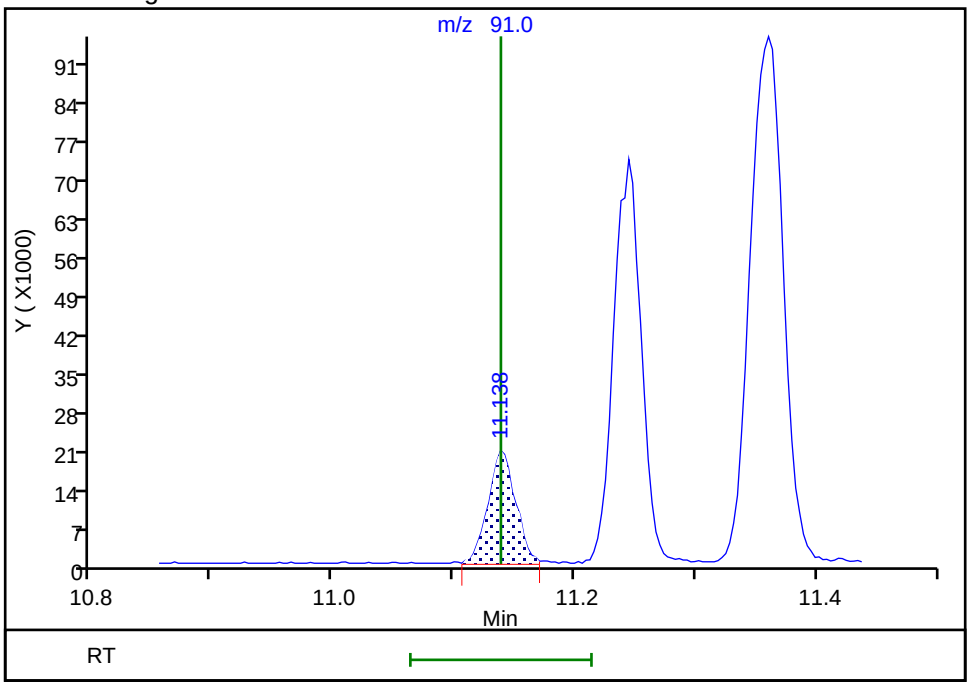
Processing Integration Results

RT: 11.17
Area: 315
Amount: 0.047192
Amount Units: ug/l



Manual Integration Results

RT: 11.14
Area: 32119
Amount: 4.112151
Amount Units: ug/l



Reviewer: DVW2, 16-Jul-2024 07:51:54 -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

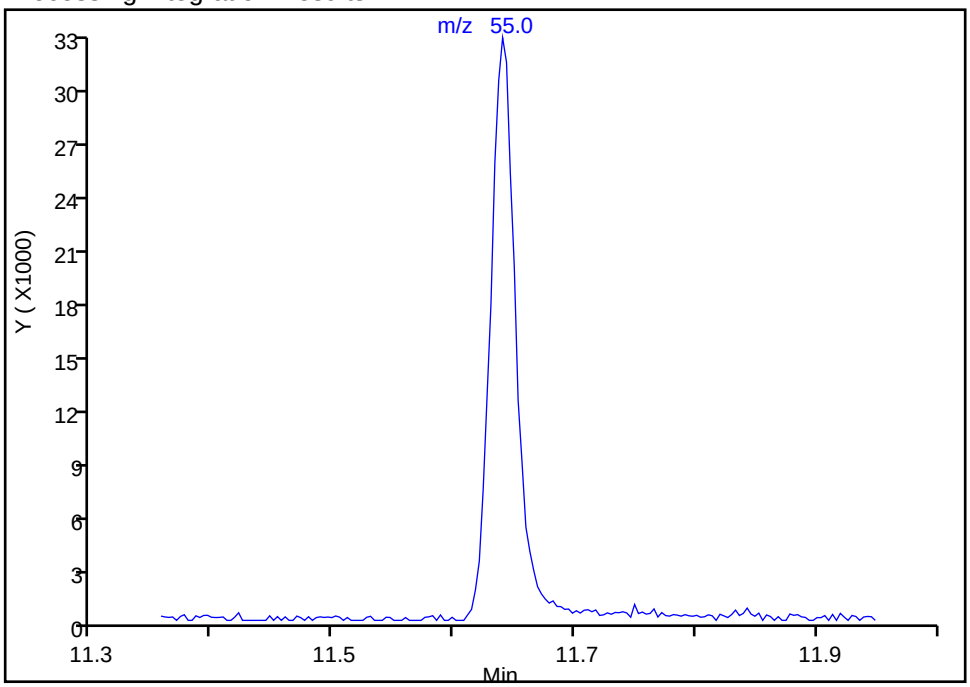
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Injection Date: 15-Jul-2024 18:04:30 Instrument ID: 9915
Lims ID: IC v4
Client ID:
Operator ID: knk41612 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

137 n-Butyl acrylate, CAS: 141-32-2

Signal: 1

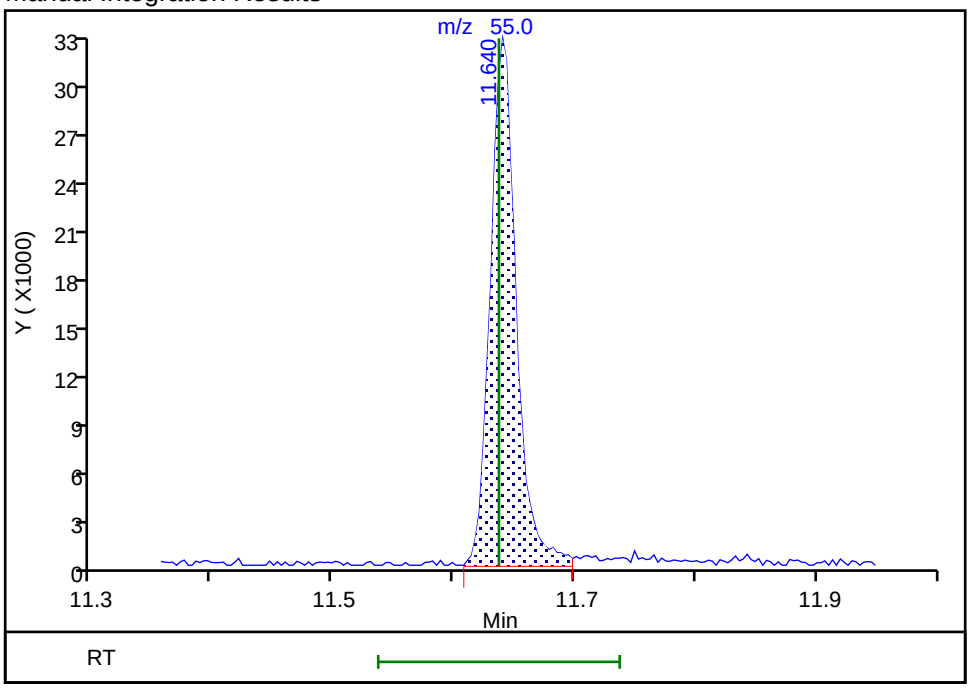
Not Detected
Expected RT: 11.64

Processing Integration Results



Manual Integration Results

RT: 11.64
Area: 47731
Amount: 3.654215
Amount Units: ug/l



Reviewer: DVW2, 16-Jul-2024 08:30:42 -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

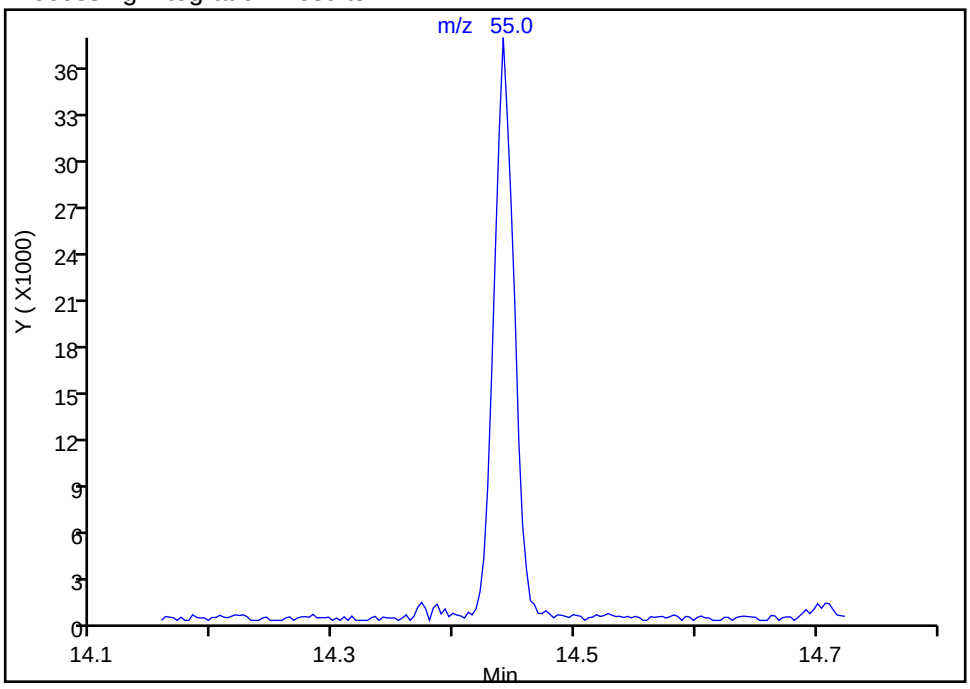
Data File: \\chromfs\Lancaster\ChromData\9915\20240715-119345.b\LL15X12.D
Injection Date: 15-Jul-2024 18:04:30 Instrument ID: 9915
Lims ID: IC v4
Client ID:
Operator ID: knk41612 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

173 2-Ethylhexyl acrylate, CAS: 103-11-7

Signal: 1

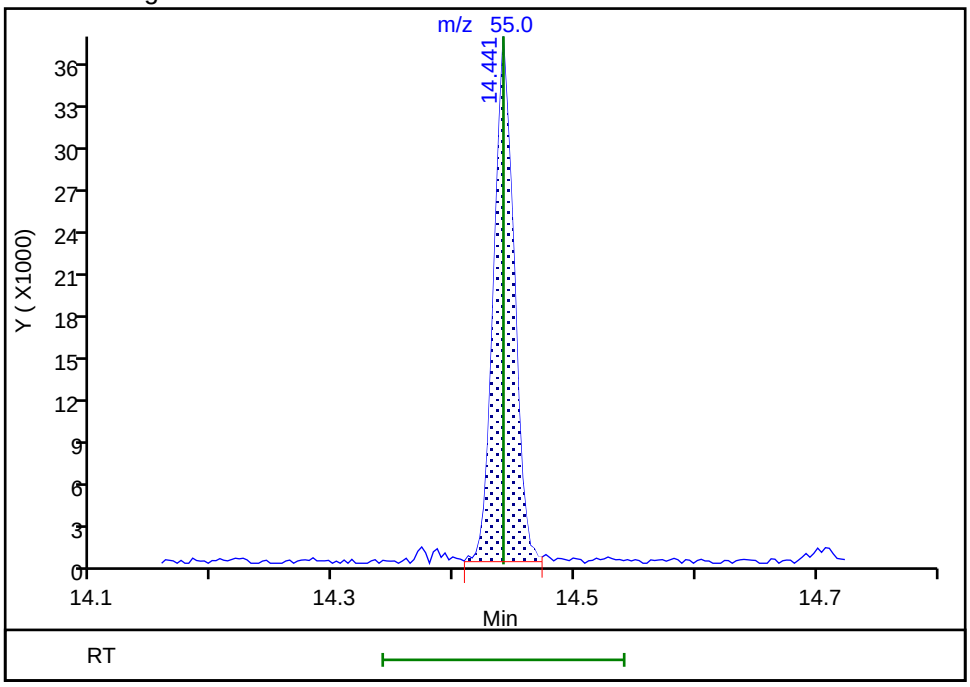
Not Detected
Expected RT: 14.44

Processing Integration Results



Manual Integration Results

RT: 14.44
Area: 44205
Amount: 3.180871
Amount Units: ug/l



Reviewer: DVW2, 16-Jul-2024 08:30:48 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9915\20240715-119345.b\LL15X13.D
Lims ID: IC v10
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 15-Jul-2024 18:26:30 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0119345-014
Misc. Info.: IC V10
Operator ID: knk41612 Instrument ID: 9915
Sublist: chrom-MSVoa_9915a*sub91

Method: \\chromfs\Lancaster\ChromData\9915\20240715-119345.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 16-Jul-2024 20:47:34 Calib Date: 15-Jul-2024 19:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20240715-119345.b\LL15X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1659

First Level Reviewer: DVW2 Date: 16-Jul-2024 07:53:23

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.933	1.946	-0.013	98	86769	10.0	8.86	
4 Chloromethane	50	2.126	2.142	-0.016	99	94784	10.0	8.69	
6 Butadiene	39	2.232	2.245	-0.013	94	89498	10.0	8.56	
5 Vinyl chloride	62	2.239	2.255	-0.016	97	97276	10.0	9.12	
8 Bromomethane	94	2.573	2.589	-0.016	91	75465	10.0	9.11	
9 Chloroethane	64	2.641	2.653	-0.013	99	50037	10.0	8.95	
10 Dichlorofluoromethane	67	2.888	2.898	-0.010	96	155489	10.0	9.04	
11 Trichlorofluoromethane	101	2.965	2.975	-0.010	95	114033	10.0	8.88	
12 Pentane	43	2.962	2.991	-0.029	95	89647	10.0	10.1	
13 Ethyl ether	59	3.161	3.171	-0.010	89	42851	10.0	10.2	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.271	3.284	-0.013	94	71112	10.0	8.94	
16 Acrolein	56	3.319	3.332	-0.013	99	157709	100.2	97.4	
18 Acetone	58	3.493	3.489	0.004	92	17244	20.0	22.5	
17 1,1-Dichloroethene	96	3.493	3.512	-0.019	94	61745	10.0	10.5	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.522	3.528	-0.006	92	71844	10.0	10.6	
20 Isopropyl alcohol	45	3.653	3.666	-0.013	27	29377	50.0	53.8	M
21 Iodomethane	142	3.692	3.705	-0.013	99	128067	10.0	10.4	
22 Carbon disulfide	76	3.792	3.805	-0.013	99	221732	10.0	10.3	
24 Methyl acetate	43	3.894	3.907	-0.013	96	51178	10.0	10.9	
25 3-Chloro-1-propene	41	3.923	3.936	-0.013	90	83631	10.0	10.2	
27 Methylene Chloride	84	4.126	4.145	-0.019	93	72793	10.0	10.2	M
* 28 t-Butyl alcohol-d10 (IS)	65	4.171	4.181	-0.010	95	282130	250.0	250.0	
29 2-Methyl-2-propanol	59	4.277	4.313	-0.036	84	56224	50.0	55.3	
30 Acrylonitrile	53	4.435	4.438	-0.003	96	69505	25.0	25.7	
31 trans-1,2-Dichloroethene	96	4.518	4.528	-0.010	98	56632	10.0	10.3	
32 Methyl tert-butyl ether	73	4.512	4.557	-0.045	89	228032	10.0	10.6	
34 Hexane	57	4.962	4.972	-0.010	93	70090	10.0	10.4	
35 1,1-Dichloroethane	63	5.181	5.187	-0.006	96	97166	10.0	10.9	
37 Isopropyl ether	45	5.255	5.271	-0.016	97	191229	10.0	10.4	
38 2-Chloro-1,3-butadiene	53	5.300	5.300	0.000	90	82291	10.0	10.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
39 Tert-butyl ethyl ether	59	5.795	5.808	-0.013	96	203809	10.0	10.4	
40 2-Butanone (MEK)	43	6.001	6.004	-0.004	98	67486	20.0	19.3	
42 cis-1,2-Dichloroethene	96	6.020	6.030	-0.010	81	63494	10.0	10.5	
43 2,2-Dichloropropane	77	6.055	6.058	-0.003	86	108674	10.0	10.7	
45 Propionitrile	54	6.087	6.081	0.006	95	63497	50.0	55.9	
46 Methyl acrylate	55	6.132	6.139	-0.007	32	69735	10.0	10.2	a
S 41 1,2-Dichloroethene, Total	100				0			20.8	
47 Methacrylonitrile	67	6.290	6.296	-0.006	91	75717	25.0	26.6	
48 Chlorobromomethane	128	6.354	6.354	0.000	93	34369	10.0	10.8	
49 Tetrahydrofuran	71	6.373	6.380	-0.007	90	54096	50.0	53.3	
50 Chloroform	83	6.512	6.515	-0.003	93	103075	10.0	10.3	
$ 51 Dibromofluoromethane (Surr)	113	6.724	6.730	-0.006	93	281206	50.0	50.0	
52 1,1,1-Trichloroethane	97	6.750	6.759	-0.009	95	105483	10.0	10.3	
53 Cyclohexane	56	6.853	6.862	-0.009	90	116338	10.0	10.2	
55 1,1-Dichloropropene	75	6.959	6.959	0.000	94	75656	10.0	10.5	
54 Carbon tetrachloride	117	6.952	6.965	-0.013	90	83112	10.0	10.2	
56 Isobutyl alcohol	41	7.129	7.126	0.003	98	47306	125.0	131.5	
$ 57 1,2-Dichloroethane-d4 (Surr)	102	7.174	7.187	-0.013	89	67524	50.0	49.7	
58 Benzene	78	7.216	7.222	-0.006	95	237275	10.0	10.7	
59 1,2-Dichloroethane	62	7.287	7.293	-0.006	98	80030	10.0	10.6	
61 Tert-amyl methyl ether	73	7.422	7.428	-0.006	99	200951	10.0	10.5	
* 62 Fluorobenzene (IS)	96	7.624	7.628	-0.004	99	1120550	50.0	50.0	
63 n-Heptane	43	7.647	7.653	-0.006	92	74855	10.0	10.4	
65 n-Butanol	56	8.013	8.010	0.003	88	33281	125.0	136.6	
66 Trichloroethene	95	8.107	8.110	-0.003	98	59938	10.0	10.4	
67 Ethyl acrylate	55	8.222	8.226	-0.004	99	77277	10.0	9.87	a
68 Methylcyclohexane	83	8.422	8.425	-0.003	90	113810	10.0	10.0	
69 1,2-Dichloropropane	63	8.434	8.438	-0.004	85	58564	10.0	10.6	
70 2-ethoxy-2-methyl butane	87	8.451	8.460	-0.009	93	92553	10.0	10.2	
71 Methyl methacrylate	69	8.531	8.528	0.003	93	47495	10.0	10.2	
72 1,4-Dioxane	88	8.537	8.531	0.006	58	10810	125.0	140.0	
73 Dibromomethane	93	8.547	8.547	0.000	97	42078	10.0	10.4	
75 Dichlorobromomethane	83	8.782	8.788	-0.006	98	71476	10.0	10.2	
76 2-Nitropropane	41	9.055	9.052	0.003	98	102850	50.0	52.2	
77 2-Chloroethyl vinyl ether	63	9.155	9.155	0.000	90	22739	10.0	11.0	
78 cis-1,3-Dichloropropene	75	9.341	9.345	-0.003	95	87430	10.0	10.1	
79 4-Methyl-2-pentanone (MIBK)	43	9.524	9.521	0.003	97	162671	20.0	19.7	
$ 80 Toluene-d8 (Surr)	98	9.656	9.660	-0.004	93	1126224	50.0	50.0	
81 Toluene	92	9.733	9.737	-0.004	97	146597	10.0	10.5	
120 trans-1,3-Dichloropropene	75	9.994	9.994	0.000	93	79754	10.0	10.3	
S 119 1,3-Dichloropropene, Total	100				0			20.4	
121 Ethyl methacrylate	69	10.061	10.062	-0.001	89	92979	10.0	10.6	
122 1,1,2-Trichloroethane	97	10.196	10.200	-0.004	90	52957	10.0	10.2	
123 Tetrachloroethene	166	10.296	10.293	0.003	96	61565	10.0	10.4	
124 1,3-Dichloropropane	76	10.360	10.361	-0.001	91	86663	10.0	10.5	
125 2-Hexanone	43	10.418	10.418	0.000	97	107902	20.0	20.4	
128 Chlorodibromomethane	129	10.573	10.579	-0.006	90	55465	10.0	10.1	
129 Ethylene Dibromide	107	10.688	10.689	0.000	97	57526	10.0	10.3	
* 130 Chlorobenzene-d5 (IS)	117	11.126	11.126	0.000	85	888628	50.0	50.0	
132 1-Chlorohexane	91	11.139	11.139	0.000	97	81307	10.0	10.5	
133 Chlorobenzene	112	11.151	11.155	-0.004	95	163865	10.0	10.5	
134 1,1,1,2-Tetrachloroethane	131	11.235	11.235	0.000	94	64190	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
135 Ethylbenzene	91	11.241	11.242	-0.001	98	308706	10.0	10.8	
S 131 Xylenes, Total	106				0			32.3	
136 m-Xylene & p-Xylene	106	11.357	11.357	0.000	100	241495	20.0	21.6	
137 n-Butyl acrylate	55	11.637	11.637	0.000	96	141486	10.0	10.9	a
138 o-Xylene	106	11.688	11.688	0.000	97	128184	10.0	10.6	
139 Styrene	104	11.704	11.701	0.003	95	199168	10.0	11.0	
140 Bromoform	173	11.856	11.856	0.000	96	40611	10.0	10.1	
142 Isopropylbenzene	105	11.987	11.991	-0.004	95	326192	10.0	10.8	
141 Cyclohexanone	55	12.061	12.061	0.000	92	94835	250.0	260.5	
$ 143 4-Bromofluorobenzene (Surr)	95	12.132	12.132	0.000	90	457973	50.0	51.5	
145 1,1,2,2-Tetrachloroethane	83	12.232	12.232	0.000	94	102093	10.0	10.5	
146 Bromobenzene	156	12.248	12.248	0.000	95	78464	10.0	10.6	
147 trans-1,4-Dichloro-2-butene	53	12.257	12.258	-0.001	89	65336	25.0	26.2	
148 1,2,3-Trichloropropane	110	12.277	12.280	-0.003	84	30138	10.0	10.4	
149 N-Propylbenzene	91	12.319	12.319	0.000	99	388289	10.0	10.7	
150 2-Chlorotoluene	126	12.393	12.396	-0.003	97	79599	10.0	10.6	
151 1,3,5-Trimethylbenzene	105	12.457	12.457	0.000	95	293694	10.0	10.3	
153 4-Chlorotoluene	126	12.486	12.486	0.000	98	77571	10.0	10.7	
154 tert-Butylbenzene	134	12.695	12.698	-0.003	92	52658	10.0	10.0	
156 1,2,4-Trimethylbenzene	105	12.740	12.740	0.000	97	305935	10.0	10.6	
157 sec-Butylbenzene	105	12.862	12.862	0.000	94	371967	10.0	10.3	
158 1,3-Dichlorobenzene	146	12.958	12.959	0.000	99	158568	10.0	10.8	
159 4-Isopropyltoluene	119	12.968	12.968	0.000	97	330078	10.0	10.4	
* 160 1,4-Dichlorobenzene-d4	152	13.013	13.013	0.000	95	531647	50.0	50.0	
161 1,4-Dichlorobenzene	146	13.032	13.029	0.003	96	156013	10.0	10.4	
162 1,2,3-Trimethylbenzene	105	13.042	13.045	-0.003	98	321963	10.0	10.3	
163 Benzyl chloride	91	13.110	13.106	0.004	98	200834	10.0	10.6	
164 1,3-Diethylbenzene	119	13.171	13.171	0.000	96	199183	10.0	10.7	
165 p-Diethylbenzene	119	13.241	13.241	0.000	95	211264	10.0	10.9	
166 n-Butylbenzene	92	13.261	13.261	0.000	97	166722	10.0	10.8	
167 1,2-Dichlorobenzene	146	13.293	13.293	0.000	99	168648	10.0	10.8	
168 o-diethylbenzene	119	13.312	13.312	0.000	95	160206	10.0	10.3	
170 1,2-Dibromo-3-Chloropropane	75	13.830	13.827	0.003	86	25085	10.0	9.89	
171 1,3,5-Trichlorobenzene	180	13.958	13.958	0.000	97	134223	10.0	10.6	
172 1,2,4-Trichlorobenzene	180	14.383	14.383	0.000	94	135626	10.0	10.6	
173 2-Ethylhexyl acrylate	55	14.441	14.441	0.000	81	130229	10.0	9.60	a
174 Hexachlorobutadiene	225	14.466	14.466	0.000	97	46541	10.0	9.94	
175 Naphthalene	128	14.563	14.563	0.000	97	472793	10.0	10.7	
176 1,2,3-Trichlorobenzene	180	14.708	14.704	0.004	97	140459	10.0	10.5	
177 2-Methylnaphthalene	142	15.322	15.319	0.003	91	271192	10.0	10.4	
S 188 Total Diethylbenzene	1				0			31.9	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_CCV_VOC#1_00192	Amount Added:	2.00	Units: uL	
MSV_CCV_CYC_00009	Amount Added:	8.00	Units: uL	
MSV_CCV_VOC#3_00188	Amount Added:	1.60	Units: uL	
MSV_CCV_2CEVE_00184	Amount Added:	2.00	Units: uL	
MSV_CCV_GASES_00819	Amount Added:	1.00	Units: uL	
MSV_CCV_EE_00007	Amount Added:	2.00	Units: uL	
MSV_CCV_OH_Sp_00012	Amount Added:	2.00	Units: uL	
MSV_HP23_ISSS_00014	Amount Added:	1.00	Units: uL	Run Reagent

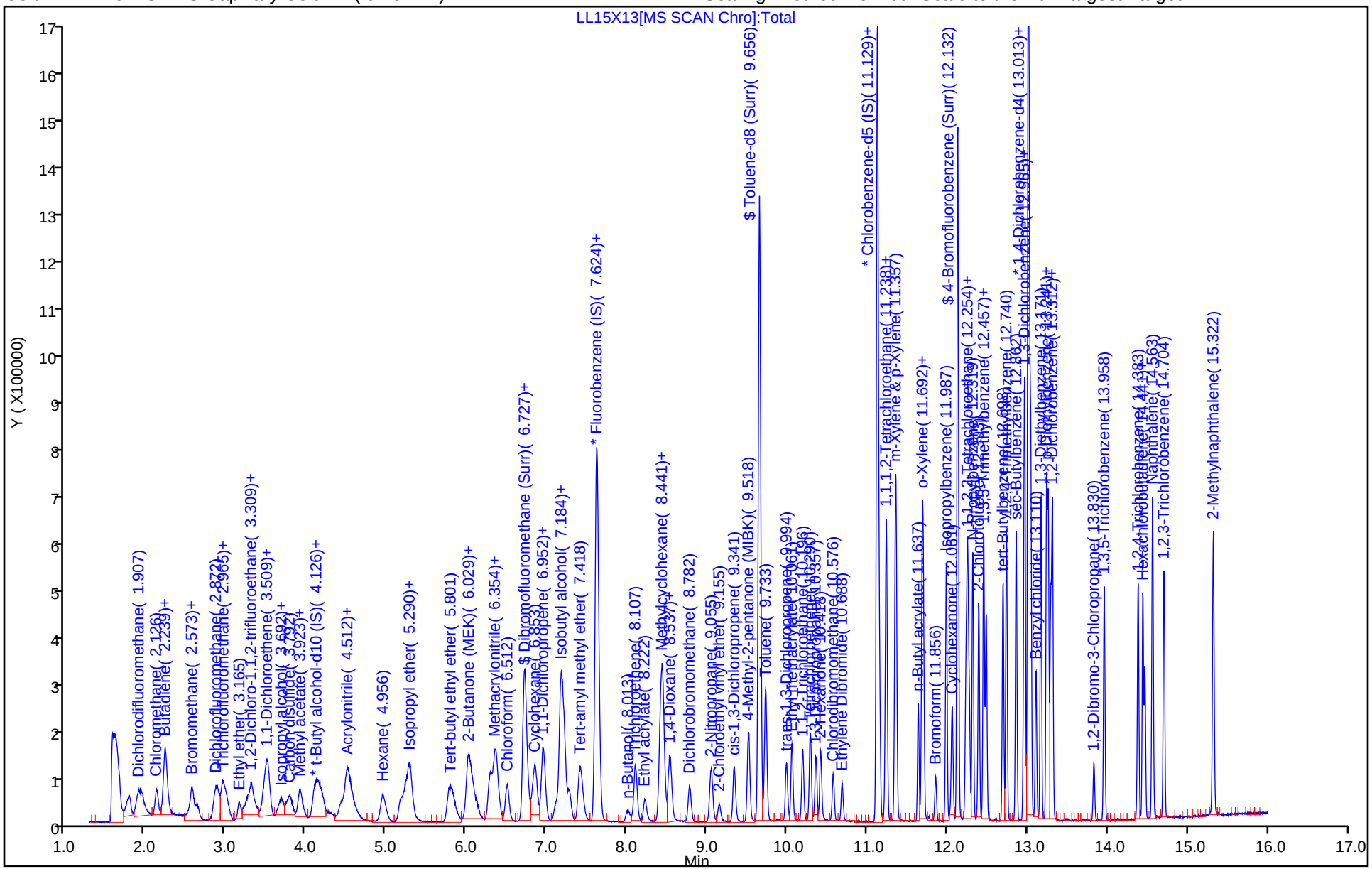
Report Date: 16-Jul-2024 20:47:35 Chrom Revision: 2.3 26-Jun-2024 16:13:32

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9915\20240715-119345.b\LL15X13.D

Injection Date:	15-Jul-2024 18:26:30	Instrument ID:	9915	Operator ID:	knk41612
Lims ID:	IC v10			Worklist Smp#:	14
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	MSVoa_9915a	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

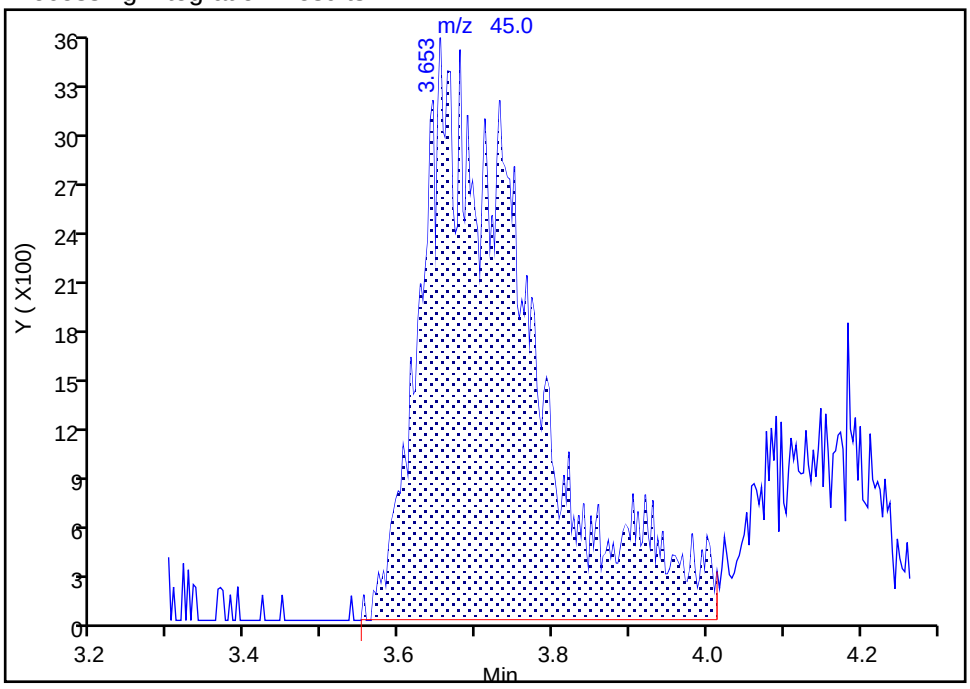
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Injection Date:	15-Jul-2024 18:26:30	Instrument ID:	9915		
Lims ID:	IC v10				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

20 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

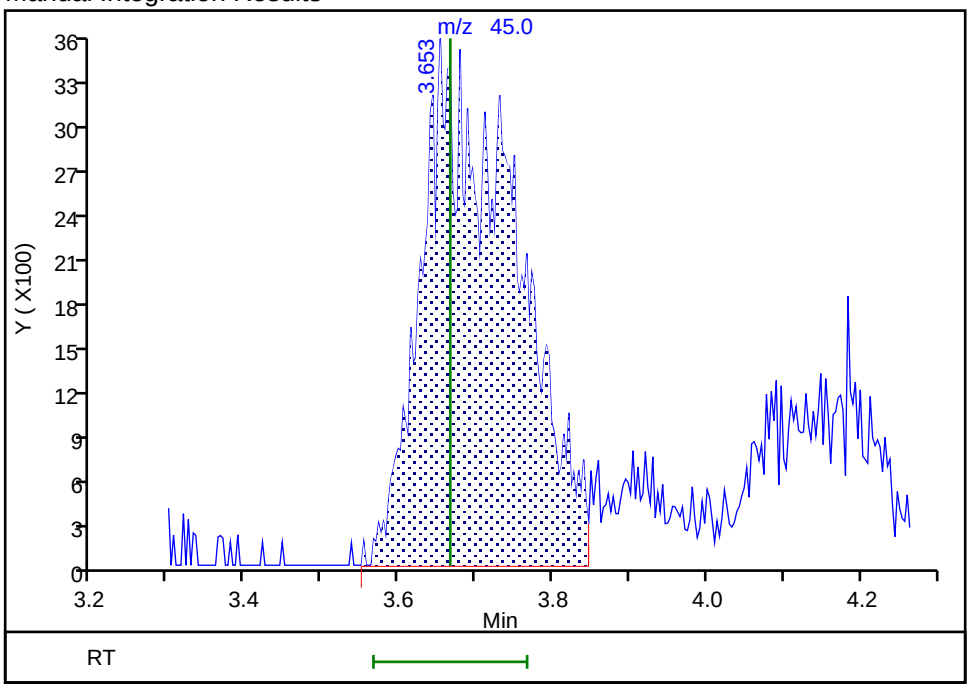
Processing Integration Results

RT: 3.65
Area: 33664
Amount: 59.624069
Amount Units: ug/l



Manual Integration Results

RT: 3.65
Area: 29377
Amount: 53.762910
Amount Units: ug/l



Reviewer: UKEK, 16-Jul-2024 20:04:55 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

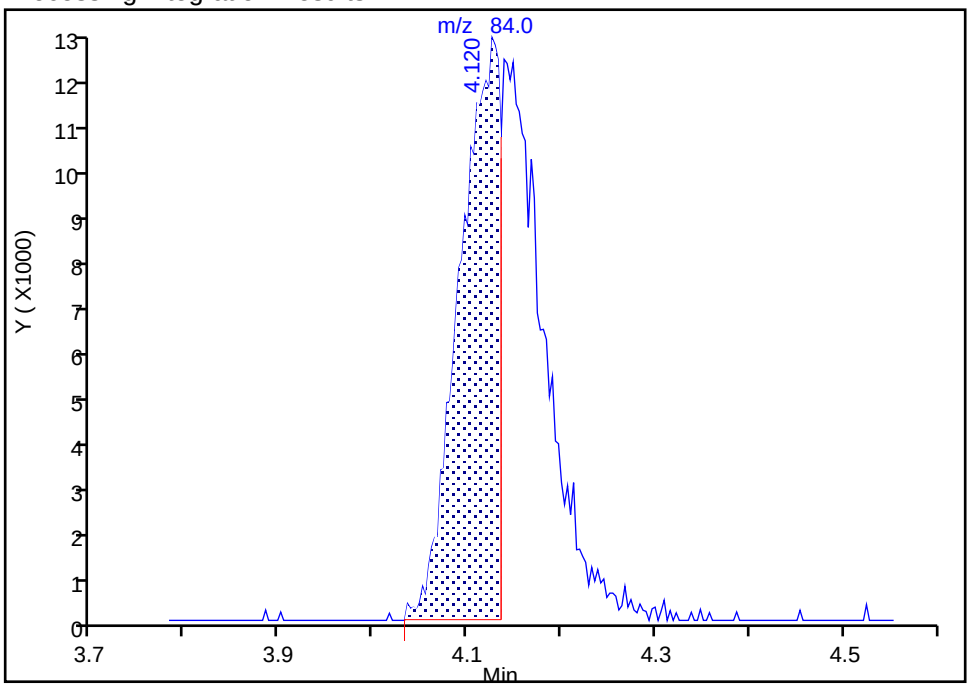
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Injection Date: 15-Jul-2024 18:26:30 Instrument ID: 9915
Lims ID: IC v10
Client ID:
Operator ID: knk41612 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

27 Methylene Chloride, CAS: 75-09-2

Signal: 1

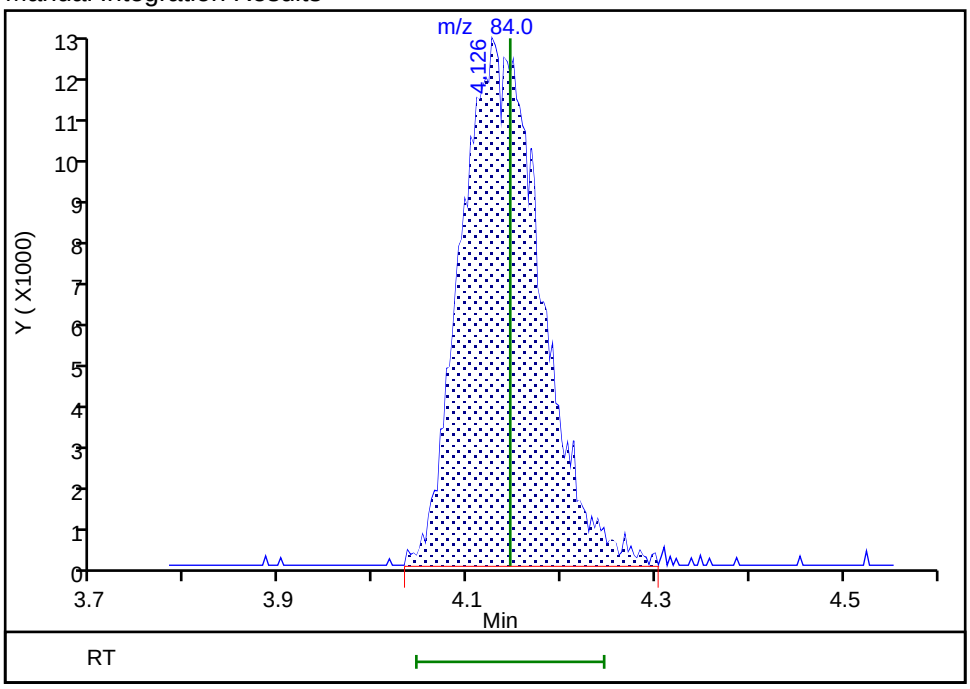
Processing Integration Results

RT: 4.12
Area: 36602
Amount: 5.538311
Amount Units: ug/l



Manual Integration Results

RT: 4.13
Area: 72793
Amount: 10.215288
Amount Units: ug/l



Reviewer: DVW2, 16-Jul-2024 07:52:49 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

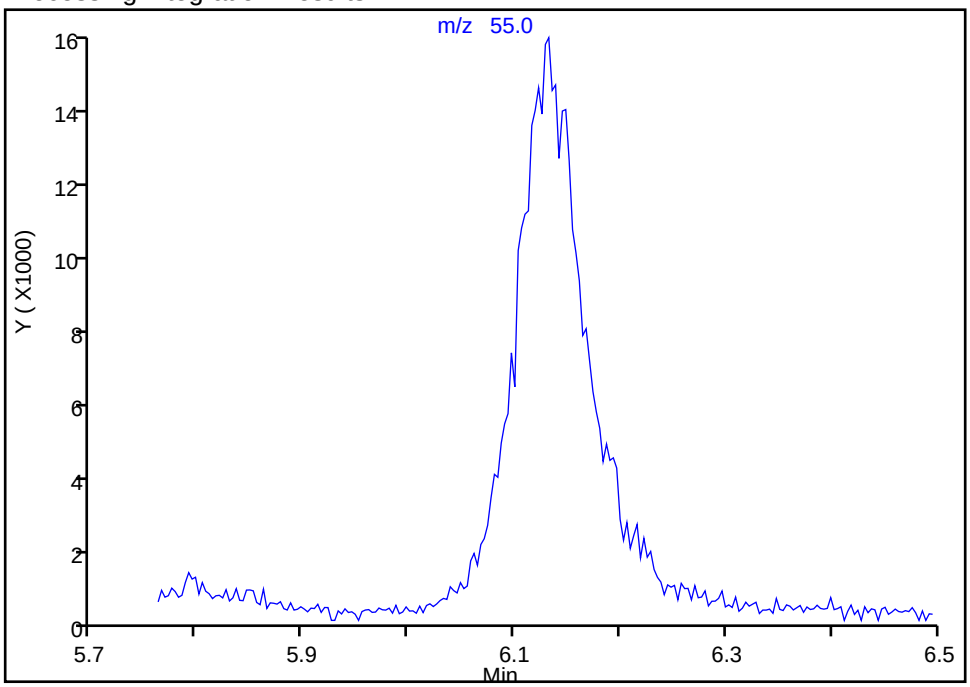
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Injection Date:	15-Jul-2024 18:26:30	Instrument ID:	9915		
Lims ID:	IC v10				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

46 Methyl acrylate, CAS: 96-33-3

Signal: 1

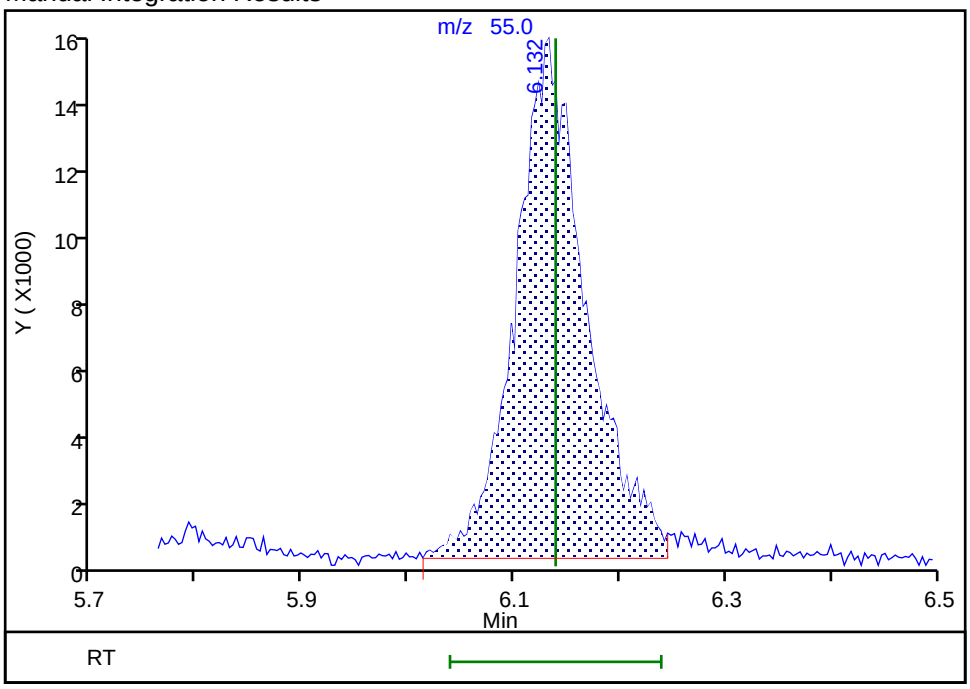
Not Detected
Expected RT: 6.14

Processing Integration Results



Manual Integration Results

RT: 6.13
Area: 69735
Amount: 10.159736
Amount Units: ug/l



Reviewer: DVW2, 16-Jul-2024 08:31:07 -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

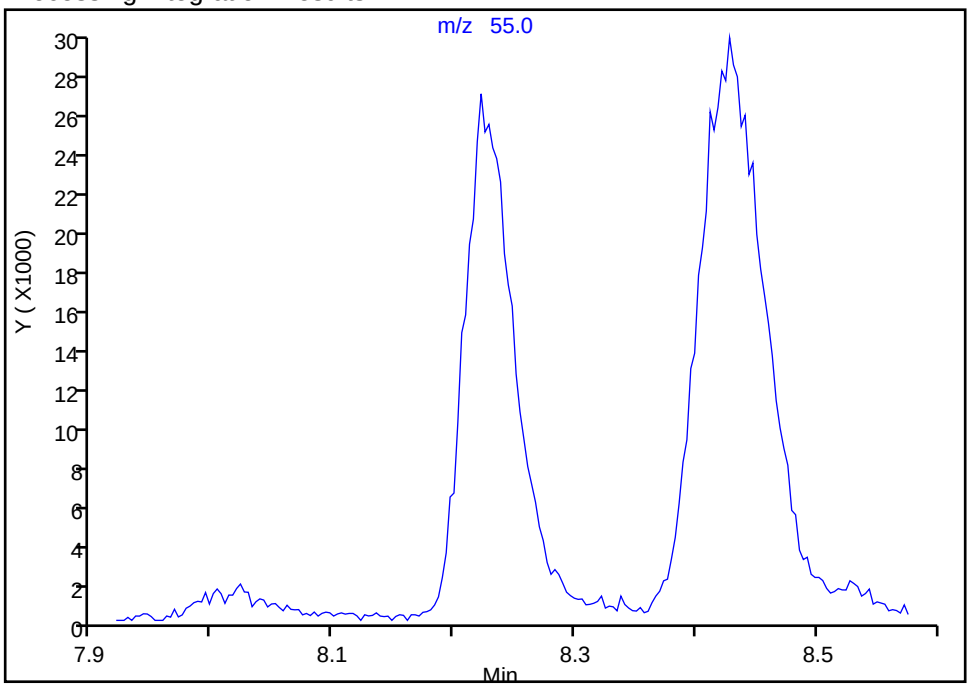
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Injection Date:	15-Jul-2024 18:26:30	Instrument ID:	9915		
Lims ID:	IC v10				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

67 Ethyl acrylate, CAS: 140-88-5

Signal: 1

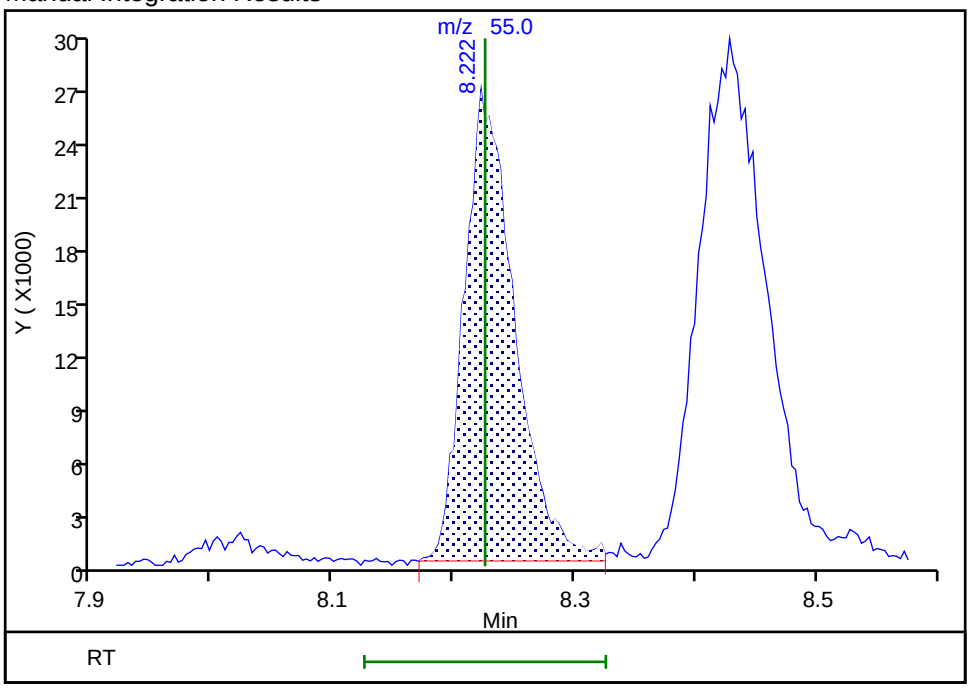
Not Detected
Expected RT: 8.23

Processing Integration Results



Manual Integration Results

RT: 8.22
Area: 77277
Amount: 9.868605
Amount Units: ug/l



Reviewer: DVW2, 16-Jul-2024 08:31:03 -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

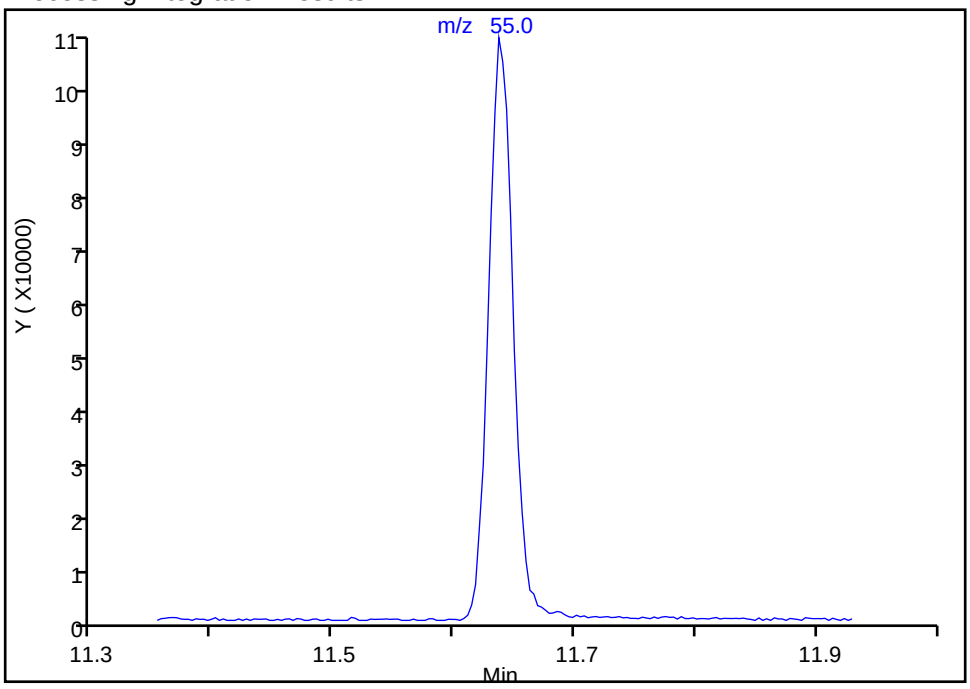
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Injection Date: 15-Jul-2024 18:26:30 Instrument ID: 9915
Lims ID: IC v10
Client ID:
Operator ID: knk41612 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

137 n-Butyl acrylate, CAS: 141-32-2

Signal: 1

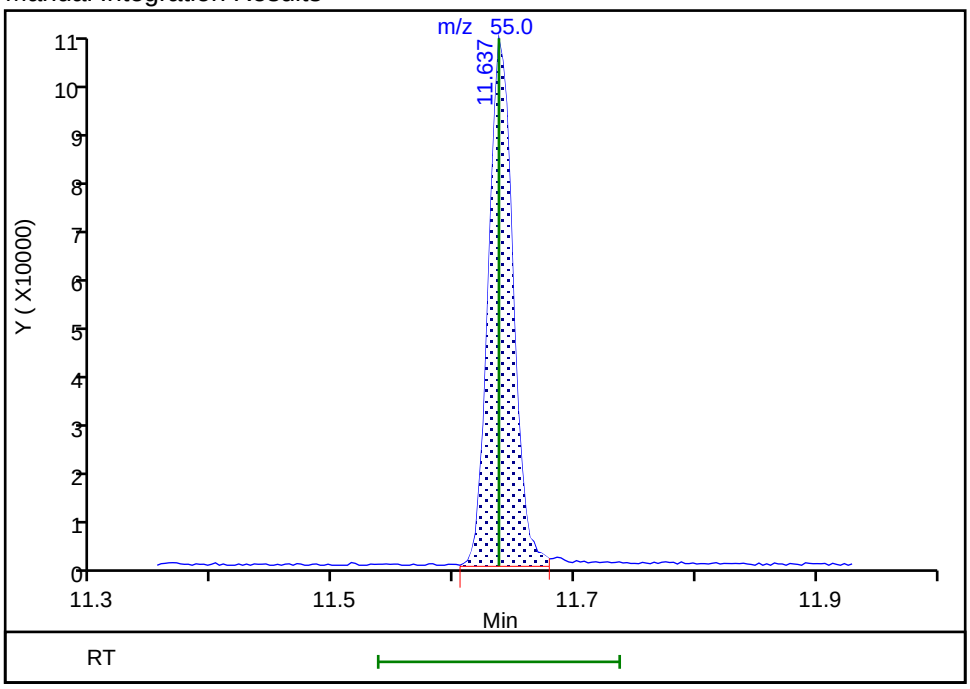
Not Detected
Expected RT: 11.64

Processing Integration Results



Manual Integration Results

RT: 11.64
Area: 141486
Amount: 10.913155
Amount Units: ug/l



Reviewer: DVW2, 16-Jul-2024 08:30:59 -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

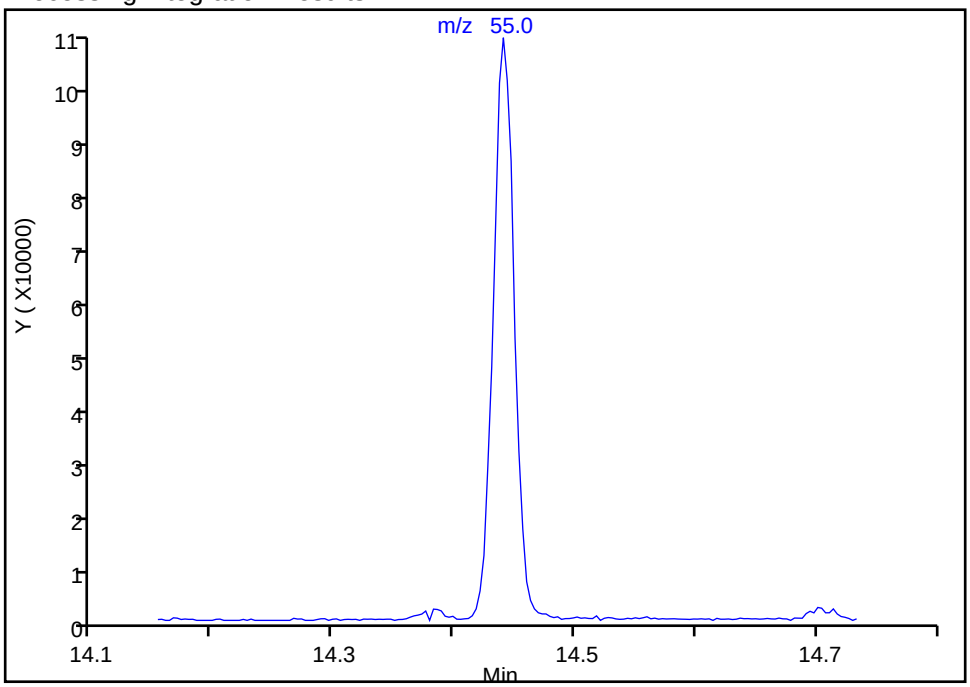
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Injection Date: 15-Jul-2024 18:26:30 Instrument ID: 9915
Lims ID: IC v10
Client ID:
Operator ID: knk41612 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

173 2-Ethylhexyl acrylate, CAS: 103-11-7

Signal: 1

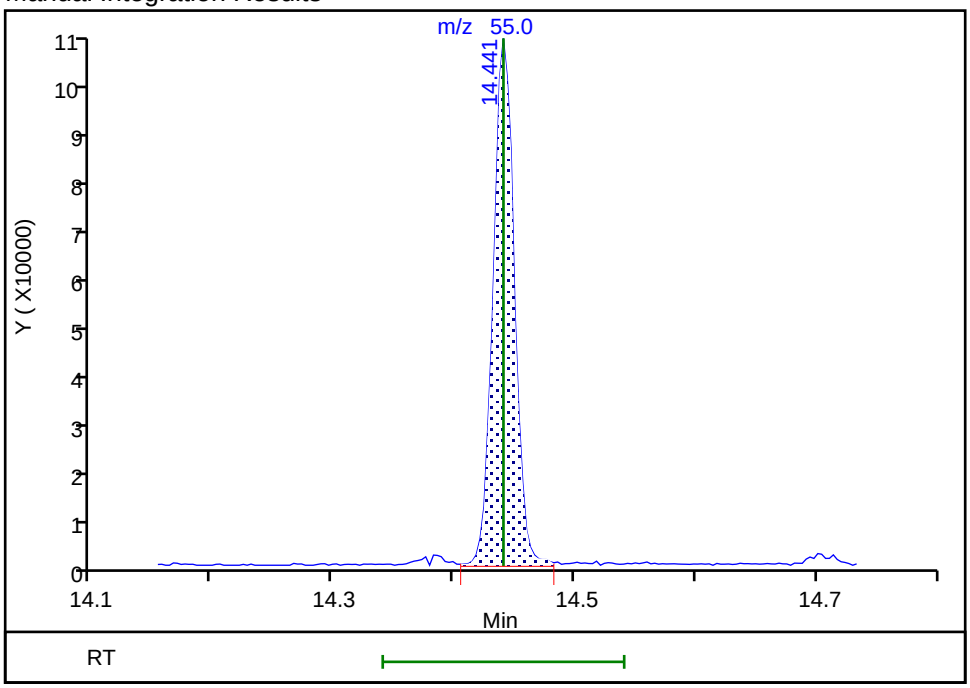
Not Detected
Expected RT: 14.44

Processing Integration Results



Manual Integration Results

RT: 14.44
Area: 130229
Amount: 9.595110
Amount Units: ug/l



Reviewer: DVW2, 16-Jul-2024 08:30:55 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9915\20240715-119345.b\LL15X14.D
Lims ID: IC v20
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 15-Jul-2024 18:49:30 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0119345-015
Misc. Info.: IC V20
Operator ID: knk41612 Instrument ID: 9915
Sublist: chrom-MSVoa_9915a*sub91

Method: \\chromfs\Lancaster\ChromData\9915\20240715-119345.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 16-Jul-2024 20:47:39 Calib Date: 15-Jul-2024 19:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20240715-119345.b\LL15X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1659

First Level Reviewer: DVW2 Date: 16-Jul-2024 07:54:28

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.946	1.946	0.000	99	205202	20.0	20.8	
4 Chloromethane	50	2.136	2.142	-0.006	99	223194	20.0	20.3	
6 Butadiene	39	2.242	2.245	-0.003	94	212693	20.0	20.2	
5 Vinyl chloride	62	2.251	2.255	-0.004	98	223654	20.0	20.8	
8 Bromomethane	94	2.579	2.589	-0.010	90	170091	20.0	20.4	
9 Chloroethane	64	2.644	2.653	-0.009	100	114758	20.0	20.4	
10 Dichlorofluoromethane	67	2.885	2.898	-0.013	97	355729	20.0	20.5	
11 Trichlorofluoromethane	101	2.968	2.975	-0.007	98	270672	20.0	20.9	
12 Pentane	43	2.968	2.991	-0.023	85	180029	20.0	20.1	
13 Ethyl ether	59	3.161	3.171	-0.010	90	86069	20.0	20.3	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.283	3.284	-0.001	92	159553	20.0	19.9	
16 Acrolein	56	3.325	3.332	-0.007	100	348407	200.4	206.6	
18 Acetone	58	3.496	3.489	0.007	95	32934	40.0	41.3	
17 1,1-Dichloroethene	96	3.496	3.512	-0.016	97	118378	20.0	20.0	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.531	3.528	0.003	93	142046	20.0	20.8	
20 Isopropyl alcohol	45	3.689	3.666	0.023	53	55155	100.0	96.9	
21 Iodomethane	142	3.701	3.705	-0.004	96	261658	20.0	21.0	
22 Carbon disulfide	76	3.795	3.805	-0.010	99	446934	20.0	20.6	
24 Methyl acetate	43	3.898	3.907	-0.009	97	95960	20.0	20.2	
25 3-Chloro-1-propene	41	3.930	3.936	-0.006	93	162606	20.0	19.6	
27 Methylene Chloride	84	4.139	4.145	-0.006	88	142231	20.0	19.8	
* 28 t-Butyl alcohol-d10 (IS)	65	4.203	4.181	0.022	91	293866	250.0	250.0	
29 2-Methyl-2-propanol	59	4.325	4.313	0.012	96	113043	100.0	106.7	
30 Acrylonitrile	53	4.438	4.438	0.000	98	138987	50.0	50.9	
31 trans-1,2-Dichloroethene	96	4.525	4.528	-0.003	99	111806	20.0	20.1	
32 Methyl tert-butyl ether	73	4.528	4.557	-0.029	89	442316	20.0	20.4	
34 Hexane	57	4.965	4.972	-0.007	95	135370	20.0	19.8	
35 1,1-Dichloroethane	63	5.187	5.187	0.000	96	186547	20.0	20.7	
37 Isopropyl ether	45	5.251	5.271	-0.020	95	373068	20.0	20.1	
38 2-Chloro-1,3-butadiene	53	5.303	5.300	0.003	91	160965	20.0	20.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
39 Tert-butyl ethyl ether	59	5.808	5.808	0.000	98	403235	20.0	20.4	
40 2-Butanone (MEK)	43	6.000	6.004	-0.004	99	145639	40.0	41.2	
42 cis-1,2-Dichloroethene	96	6.023	6.030	-0.007	79	123968	20.0	20.4	
43 2,2-Dichloropropane	77	6.049	6.058	-0.009	87	206446	20.0	20.1	
45 Propionitrile	54	6.081	6.081	0.000	84	122332	100.0	103.4	
46 Methyl acrylate	55	6.129	6.139	-0.010	100	137023	20.0	19.8	a
S 41 1,2-Dichloroethene, Total	100				0			40.5	
47 Methacrylonitrile	67	6.290	6.296	-0.006	91	146013	50.0	50.8	
48 Chlorobromomethane	128	6.357	6.354	0.003	90	64051	20.0	20.0	
49 Tetrahydrofuran	71	6.377	6.380	-0.003	92	104114	100.0	98.5	
50 Chloroform	83	6.508	6.515	-0.007	93	198147	20.0	19.7	
$ 51 Dibromofluoromethane (Surr)	113	6.727	6.730	-0.003	93	284431	50.0	50.2	
52 1,1,1-Trichloroethane	97	6.743	6.759	-0.016	97	212317	20.0	20.6	
53 Cyclohexane	56	6.856	6.862	-0.006	93	231143	20.0	20.2	
55 1,1-Dichloropropene	75	6.959	6.959	0.000	95	146060	20.0	20.2	
54 Carbon tetrachloride	117	6.965	6.965	0.000	87	164696	20.0	20.0	
56 Isobutyl alcohol	41	7.126	7.126	0.000	93	90430	250.0	241.3	
$ 57 1,2-Dichloroethane-d4 (Surr)	102	7.184	7.187	-0.003	92	69631	50.0	50.8	
58 Benzene	78	7.222	7.222	0.000	96	455390	20.0	20.3	
59 1,2-Dichloroethane	62	7.283	7.293	-0.010	97	153780	20.0	20.3	
61 Tert-amyl methyl ether	73	7.422	7.428	-0.006	99	392681	20.0	20.4	
* 62 Fluorobenzene (IS)	96	7.631	7.628	0.003	99	1130350	50.0	50.0	
63 n-Heptane	43	7.653	7.653	0.000	92	144590	20.0	19.9	
65 n-Butanol	56	8.013	8.010	0.003	86	65155	250.0	256.7	
66 Trichloroethene	95	8.110	8.110	0.000	98	115451	20.0	19.9	
67 Ethyl acrylate	55	8.225	8.226	-0.001	98	151599	20.0	19.2	a
68 Methylcyclohexane	83	8.425	8.425	0.000	90	229714	20.0	20.1	
69 1,2-Dichloropropane	63	8.438	8.438	0.000	89	112394	20.0	20.2	
70 2-ethoxy-2-methyl butane	87	8.457	8.460	-0.003	91	182288	20.0	19.9	
71 Methyl methacrylate	69	8.531	8.528	0.003	90	92543	20.0	19.6	
72 1,4-Dioxane	88	8.531	8.531	0.000	33	21323	250.0	265.1	
73 Dibromomethane	93	8.550	8.547	0.003	96	79903	20.0	19.6	
75 Dichlorobromomethane	83	8.788	8.788	0.000	99	139793	20.0	19.8	
76 2-Nitropropane	41	9.058	9.052	0.006	98	205317	100.0	100.1	
77 2-Chloroethyl vinyl ether	63	9.155	9.155	0.000	92	40202	20.0	19.3	
78 cis-1,3-Dichloropropene	75	9.338	9.345	-0.006	95	173167	20.0	19.9	
79 4-Methyl-2-pentanone (MIBK)	43	9.518	9.521	-0.003	97	331935	40.0	39.9	
$ 80 Toluene-d8 (Surr)	98	9.656	9.660	-0.004	93	1123908	50.0	50.8	
81 Toluene	92	9.733	9.737	-0.004	98	286923	20.0	20.9	
120 trans-1,3-Dichloropropene	75	9.994	9.994	0.000	93	156996	20.0	20.6	
S 119 1,3-Dichloropropene, Total	100				0			40.5	
121 Ethyl methacrylate	69	10.058	10.062	-0.004	89	181470	20.0	21.1	
122 1,1,2-Trichloroethane	97	10.196	10.200	-0.004	90	103209	20.0	20.2	
123 Tetrachloroethene	166	10.293	10.293	0.000	97	120116	20.0	20.7	
124 1,3-Dichloropropane	76	10.360	10.361	-0.001	92	168134	20.0	20.7	
125 2-Hexanone	43	10.421	10.418	0.003	97	210441	40.0	40.5	
128 Chlorodibromomethane	129	10.579	10.579	0.000	89	110766	20.0	20.5	
129 Ethylene Dibromide	107	10.692	10.689	0.004	98	114784	20.0	21.0	
* 130 Chlorobenzene-d5 (IS)	117	11.126	11.126	0.000	85	873333	50.0	50.0	
132 1-Chlorohexane	91	11.138	11.139	-0.001	98	150862	20.0	19.8	
133 Chlorobenzene	112	11.151	11.155	-0.004	95	311071	20.0	20.4	
134 1,1,1,2-Tetrachloroethane	131	11.235	11.235	0.000	95	130998	20.0	21.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
135 Ethylbenzene	91	11.241	11.242	-0.001	98	580076	20.0	20.6	
S 131 Xylenes, Total	106				0			62.1	
136 m-Xylene & p-Xylene	106	11.357	11.357	0.000	100	452219	40.0	41.2	
137 n-Butyl acrylate	55	11.640	11.637	0.003	96	254037	20.0	19.9	a
138 o-Xylene	106	11.688	11.688	0.000	96	247190	20.0	20.9	
139 Styrene	104	11.701	11.701	0.000	94	372554	20.0	20.8	
140 Bromoform	173	11.855	11.856	-0.001	96	79591	20.0	20.1	
142 Isopropylbenzene	105	11.991	11.991	0.000	95	617772	20.0	20.7	
141 Cyclohexanone	55	12.058	12.061	-0.003	93	181036	500.0	477.5	
$ 143 4-Bromofluorobenzene (Surr)	95	12.132	12.132	0.000	90	441890	50.0	50.5	
145 1,1,2,2-Tetrachloroethane	83	12.232	12.232	0.000	94	196535	20.0	20.9	a
146 Bromobenzene	156	12.248	12.248	0.000	97	144511	20.0	20.2	
147 trans-1,4-Dichloro-2-butene	53	12.257	12.258	-0.001	93	126866	50.0	52.4	
148 1,2,3-Trichloropropane	110	12.277	12.280	-0.003	84	56941	20.0	20.3	
149 N-Propylbenzene	91	12.318	12.319	-0.001	99	721713	20.0	20.6	
150 2-Chlorotoluene	126	12.392	12.396	-0.004	97	148367	20.0	20.3	
151 1,3,5-Trimethylbenzene	105	12.454	12.457	-0.003	94	571554	20.0	20.6	
153 4-Chlorotoluene	126	12.486	12.486	0.000	97	144961	20.0	20.6	
154 tert-Butylbenzene	134	12.698	12.698	0.000	93	104288	20.0	20.5	a
156 1,2,4-Trimethylbenzene	105	12.740	12.740	0.000	98	577719	20.0	20.6	
157 sec-Butylbenzene	105	12.862	12.862	0.000	94	725779	20.0	20.8	
158 1,3-Dichlorobenzene	146	12.958	12.959	0.000	98	290192	20.0	20.4	
159 4-Isopropyltoluene	119	12.968	12.968	0.000	97	635746	20.0	20.7	
* 160 1,4-Dichlorobenzene-d4	152	13.013	13.013	0.000	94	515519	50.0	50.0	
161 1,4-Dichlorobenzene	146	13.032	13.029	0.003	96	296737	20.0	20.5	
162 1,2,3-Trimethylbenzene	105	13.042	13.045	-0.003	98	622575	20.0	20.5	
163 Benzyl chloride	91	13.106	13.106	0.000	98	384318	20.0	20.9	
164 1,3-Diethylbenzene	119	13.171	13.171	0.000	95	373405	20.0	20.7	
165 p-Diethylbenzene	119	13.241	13.241	0.000	94	388017	20.0	20.6	
166 n-Butylbenzene	92	13.261	13.261	0.000	97	313254	20.0	20.8	
167 1,2-Dichlorobenzene	146	13.293	13.293	0.000	99	314059	20.0	20.7	
168 o-diethylbenzene	119	13.315	13.312	0.003	96	308404	20.0	20.4	
170 1,2-Dibromo-3-Chloropropane	75	13.833	13.827	0.006	87	50718	20.0	20.6	
171 1,3,5-Trichlorobenzene	180	13.962	13.958	0.004	98	254032	20.0	20.8	
172 1,2,4-Trichlorobenzene	180	14.383	14.383	0.000	94	258948	20.0	20.9	
173 2-Ethylhexyl acrylate	55	14.441	14.441	0.000	81	261735	20.0	19.9	a
174 Hexachlorobutadiene	225	14.466	14.466	0.000	98	91650	20.0	20.2	
175 Naphthalene	128	14.563	14.563	0.000	96	923661	20.0	21.6	
176 1,2,3-Trichlorobenzene	180	14.704	14.704	0.000	96	274921	20.0	21.3	
177 2-Methylnaphthalene	142	15.322	15.319	0.003	92	560751	20.0	22.2	
S 188 Total Diethylbenzene	1				0			61.8	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

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MSV_CCV_CYC_00009	Amount Added:	16.00	Units: uL	
MSV_CCV_VOC#3_00188	Amount Added:	3.20	Units: uL	
MSV_CCV_2CEVE_00184	Amount Added:	4.00	Units: uL	
MSV_CCV_GASES_00819	Amount Added:	2.00	Units: uL	
MSV_CCV_EE_00007	Amount Added:	4.00	Units: uL	
MSV_CCV_OH_Sp_00012	Amount Added:	4.00	Units: uL	
MSV_HP23_ISSS_00014	Amount Added:	1.00	Units: uL	Run Reagent

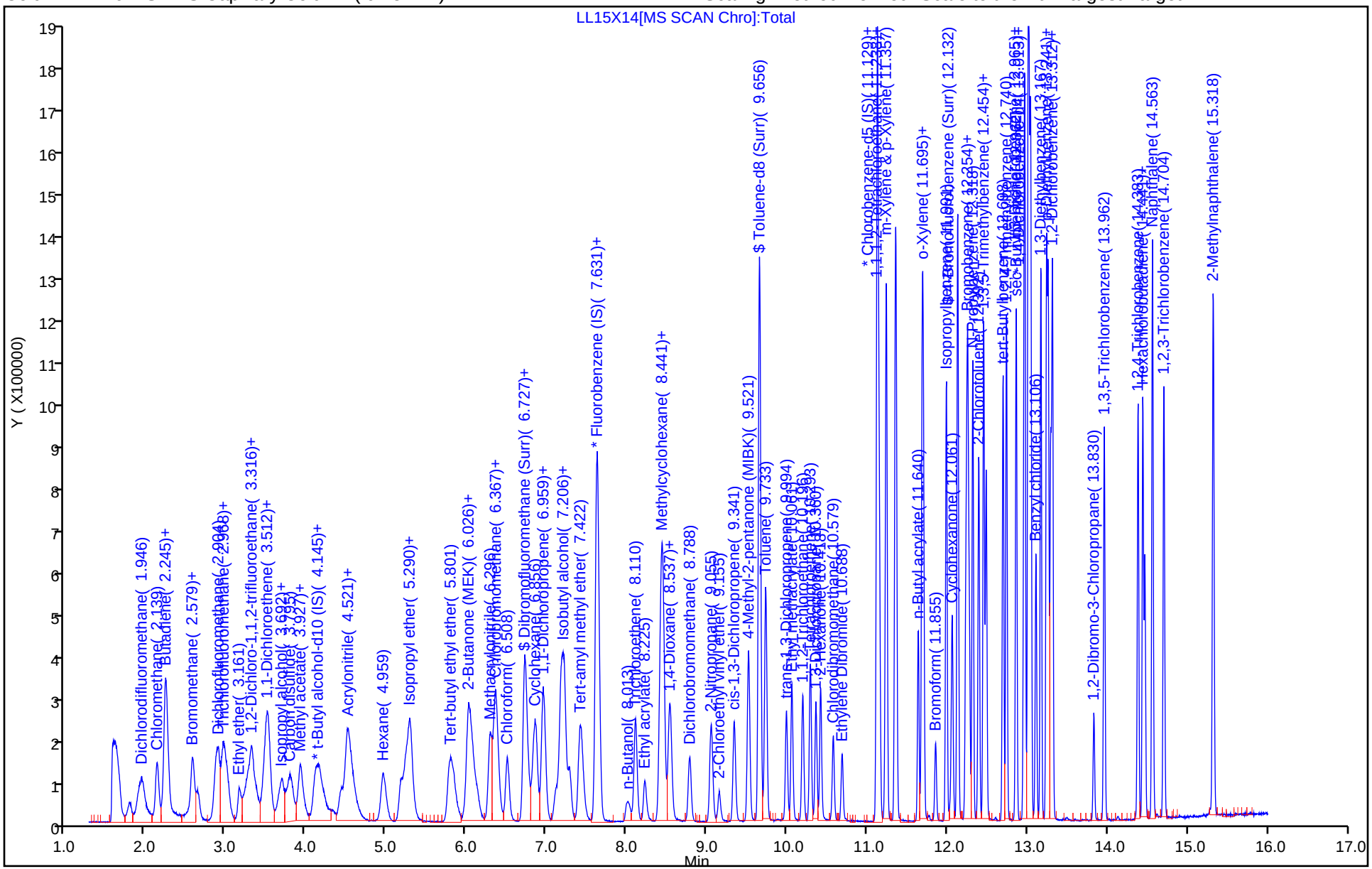
Report Date: 16-Jul-2024 20:47:40 Chrom Revision: 2.3 26-Jun-2024 16:13:32

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9915\20240715-119345.b\LL15X14.D

Injection Date:	15-Jul-2024 18:49:30	Instrument ID:	9915	Operator ID:	knk41612
Lims ID:	IC v20			Worklist Smp#:	15
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	MSVoa_9915a	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

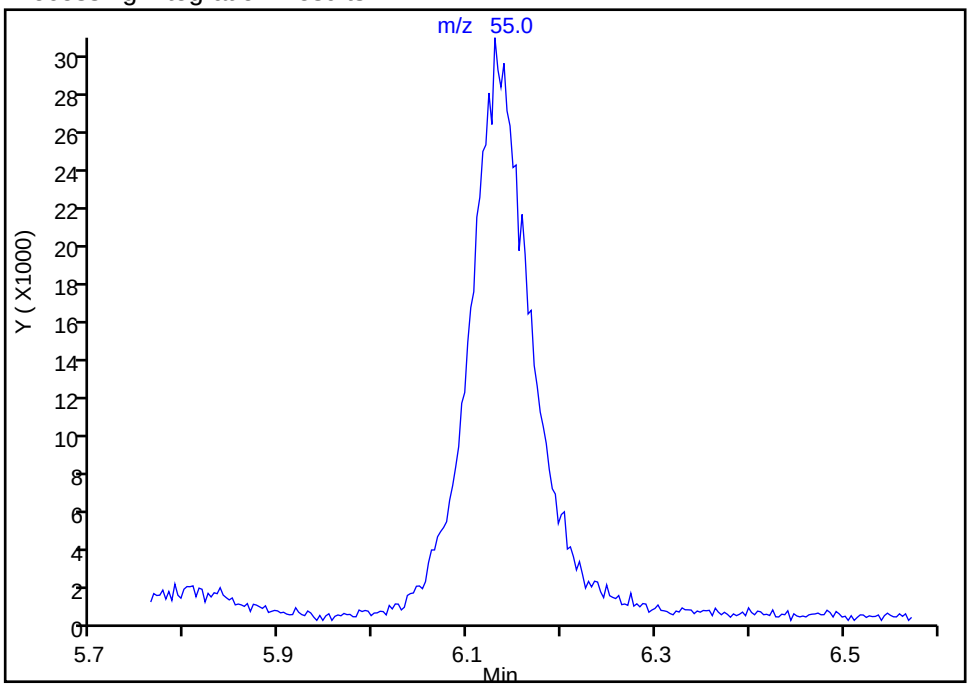
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Injection Date:	15-Jul-2024 18:49:30	Instrument ID:	9915		
Lims ID:	IC v20				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

46 Methyl acrylate, CAS: 96-33-3

Signal: 1

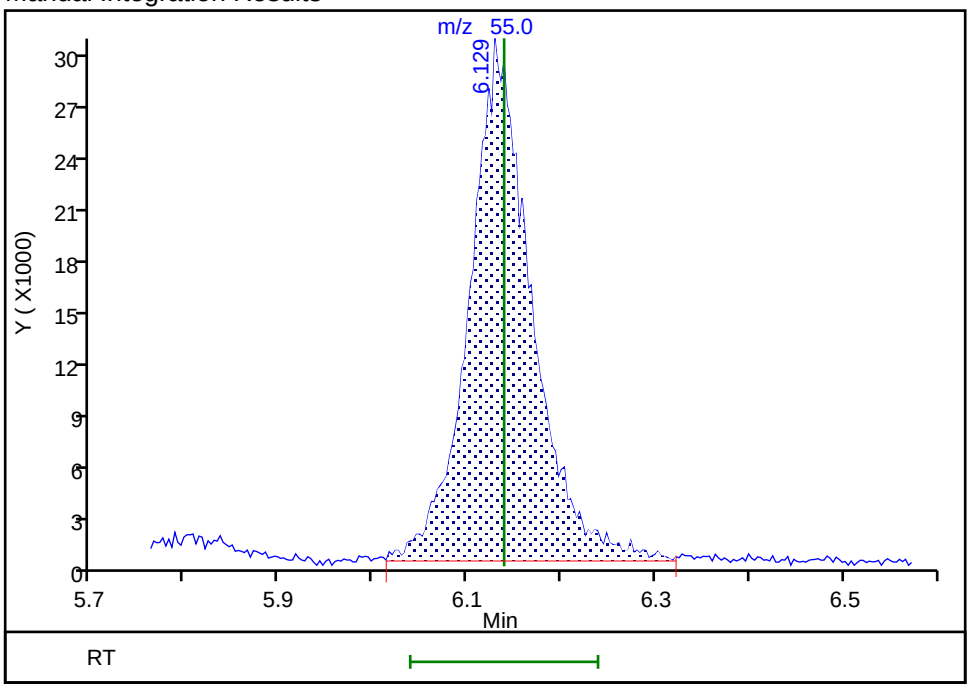
Not Detected
Expected RT: 6.14

Processing Integration Results



Manual Integration Results

RT: 6.13
Area: 137023
Amount: 19.789890
Amount Units: ug/l



Reviewer: DVW2, 16-Jul-2024 08:31:17 -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

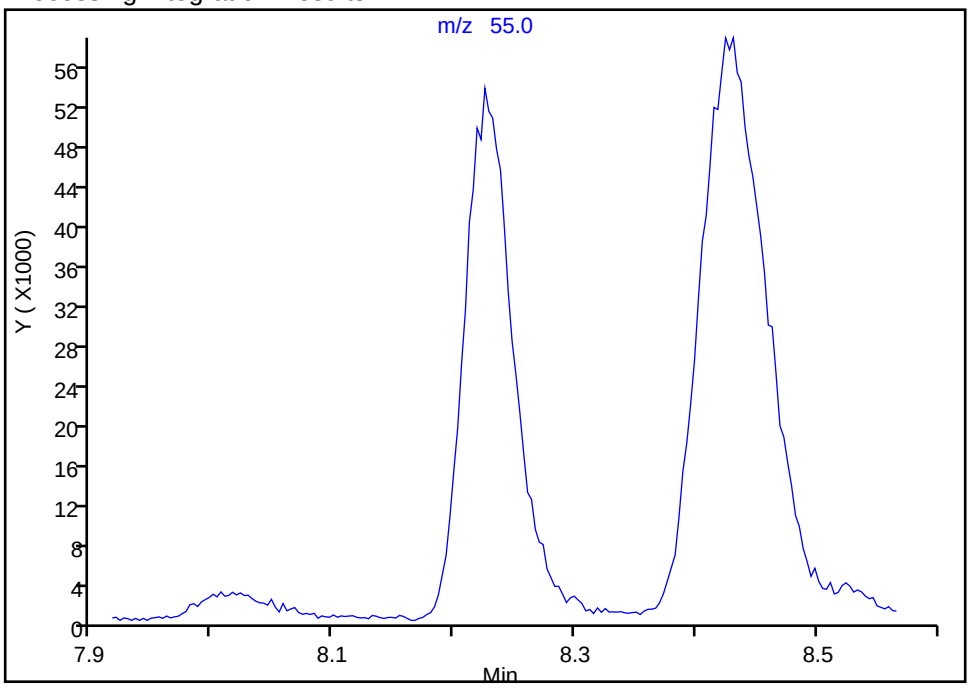
Data File: \\chromfs\Lancaster\ChromData\9915\20240715-119345.b\LL15X14.D
Injection Date: 15-Jul-2024 18:49:30 Instrument ID: 9915
Lims ID: IC v20
Client ID:
Operator ID: knk41612 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

67 Ethyl acrylate, CAS: 140-88-5

Signal: 1

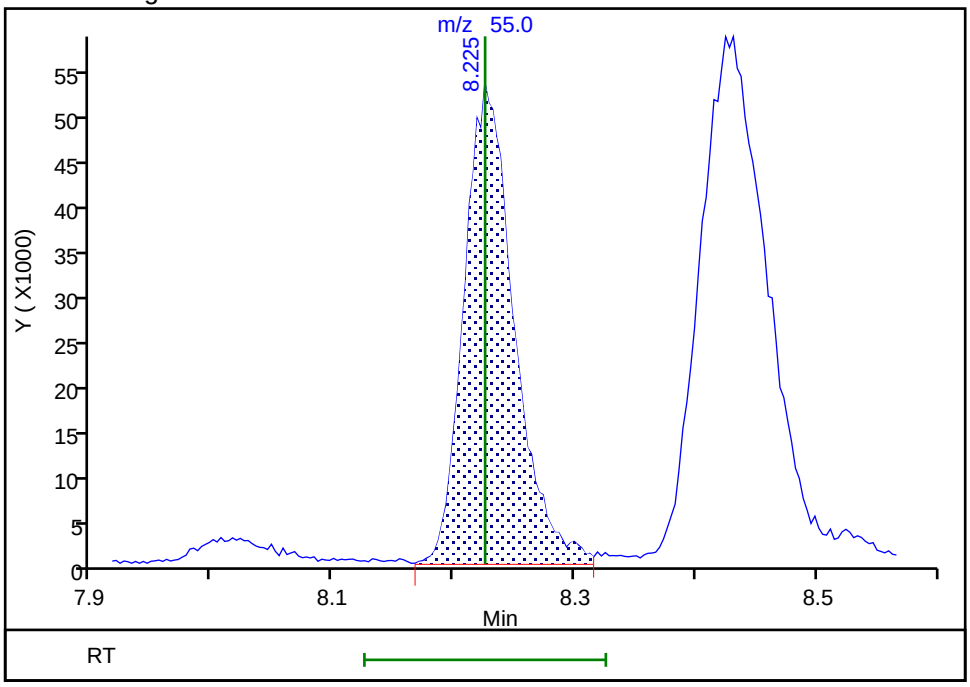
Not Detected
Expected RT: 8.23

Processing Integration Results



Manual Integration Results

RT: 8.23
Area: 151599
Amount: 19.191995
Amount Units: ug/l



Reviewer: DVW2, 16-Jul-2024 08:31:21 -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

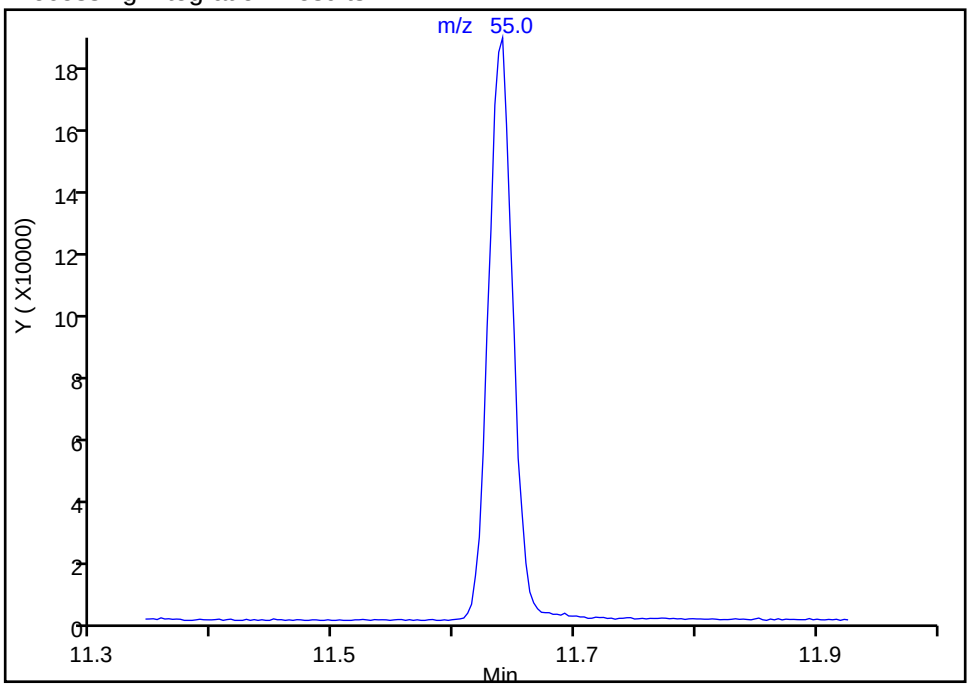
Data File: \\chromfs\Lancaster\ChromData\9915\20240715-119345.b\LL15X14.D
Injection Date: 15-Jul-2024 18:49:30 Instrument ID: 9915
Lims ID: IC v20
Client ID:
Operator ID: knk41612 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

137 n-Butyl acrylate, CAS: 141-32-2

Signal: 1

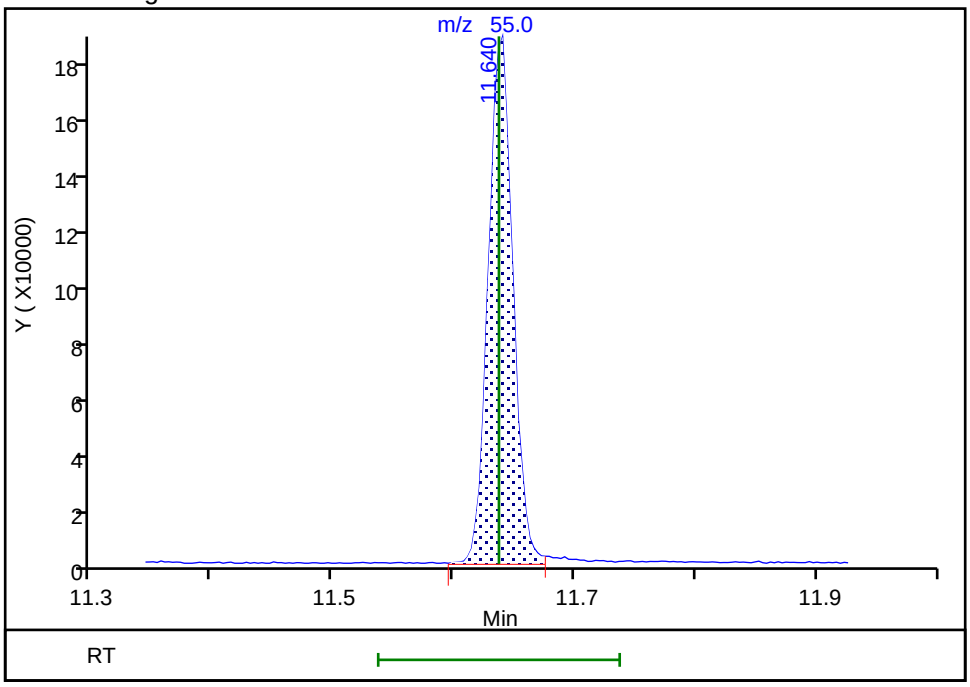
Not Detected
Expected RT: 11.64

Processing Integration Results



Manual Integration Results

RT: 11.64
Area: 254037
Amount: 19.937650
Amount Units: ug/l



Reviewer: DVW2, 16-Jul-2024 08:31:25 -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

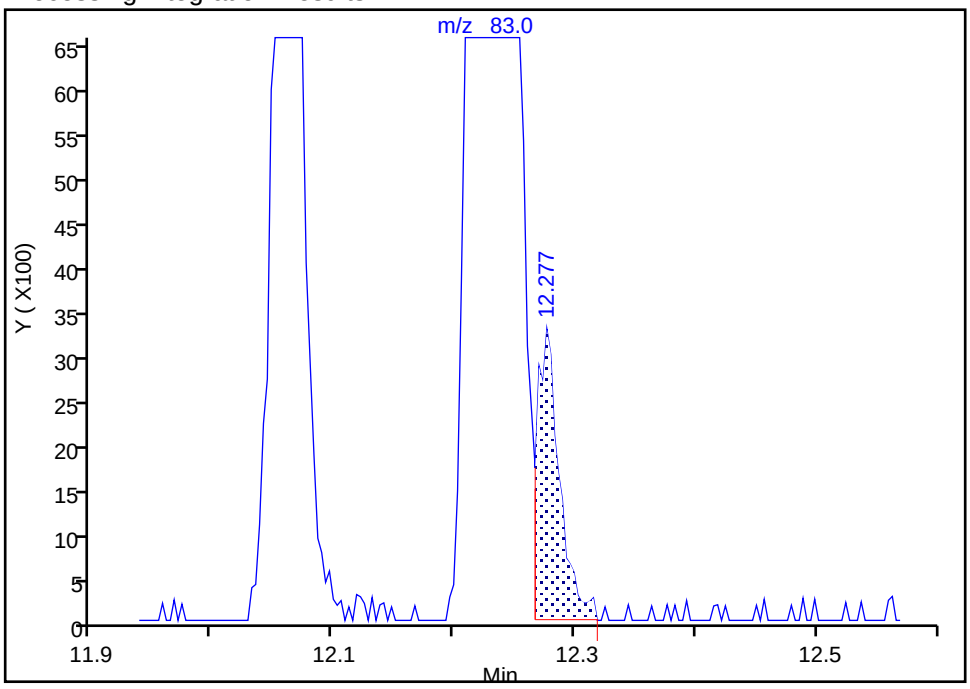
Data File: \\chromfs\Lancaster\ChromData\9915\20240715-119345.b\LL15X14.D
Injection Date: 15-Jul-2024 18:49:30 Instrument ID: 9915
Lims ID: IC v20
Client ID:
Operator ID: knk41612 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

145 1,1,2,2-Tetrachloroethane, CAS: 79-34-5

Signal: 1

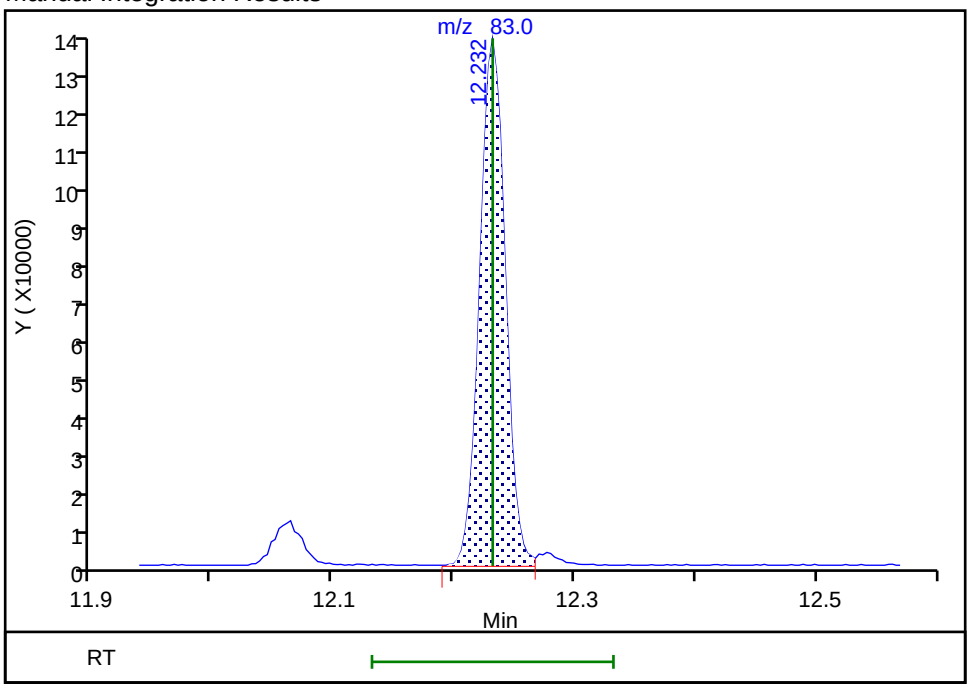
Processing Integration Results

RT: 12.28
Area: 4151
Amount: 0.516417
Amount Units: ug/l



Manual Integration Results

RT: 12.23
Area: 196535
Amount: 20.880752
Amount Units: ug/l



Reviewer: DVW2, 16-Jul-2024 07:54:17 -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

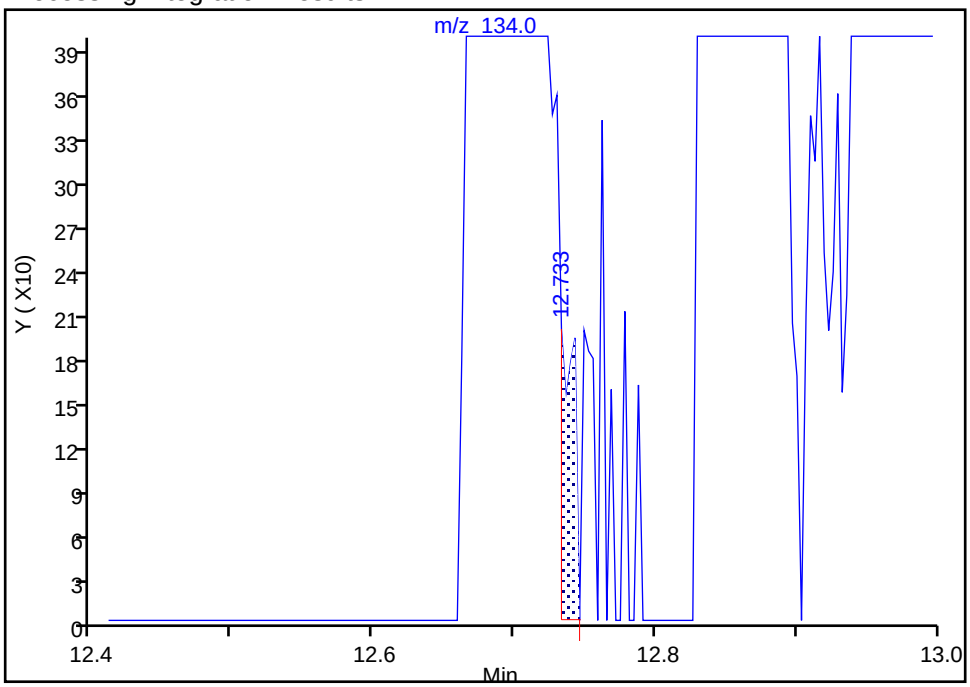
Data File: \\chromfs\Lancaster\ChromData\9915\20240715-119345.b\LL15X14.D
Injection Date: 15-Jul-2024 18:49:30 Instrument ID: 9915
Lims ID: IC v20
Client ID:
Operator ID: knk41612 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

154 tert-Butylbenzene, CAS: 98-06-6

Signal: 1

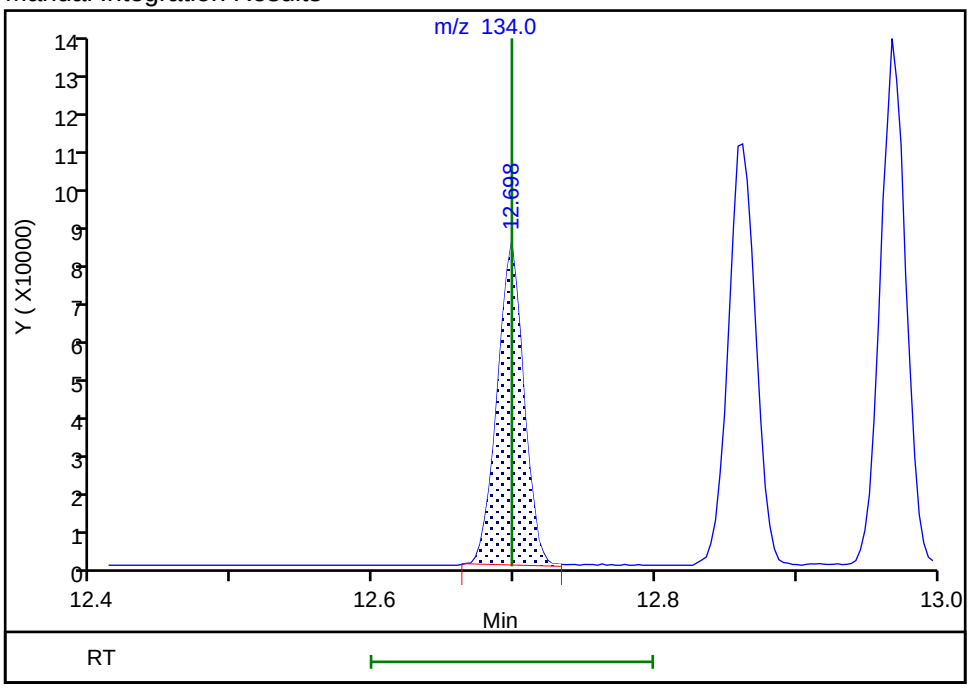
Processing Integration Results

RT: 12.73
Area: 138
Amount: 0.031781
Amount Units: ug/l



Manual Integration Results

RT: 12.70
Area: 104288
Amount: 20.504281
Amount Units: ug/l



Reviewer: DVW2, 16-Jul-2024 07:54:25 -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

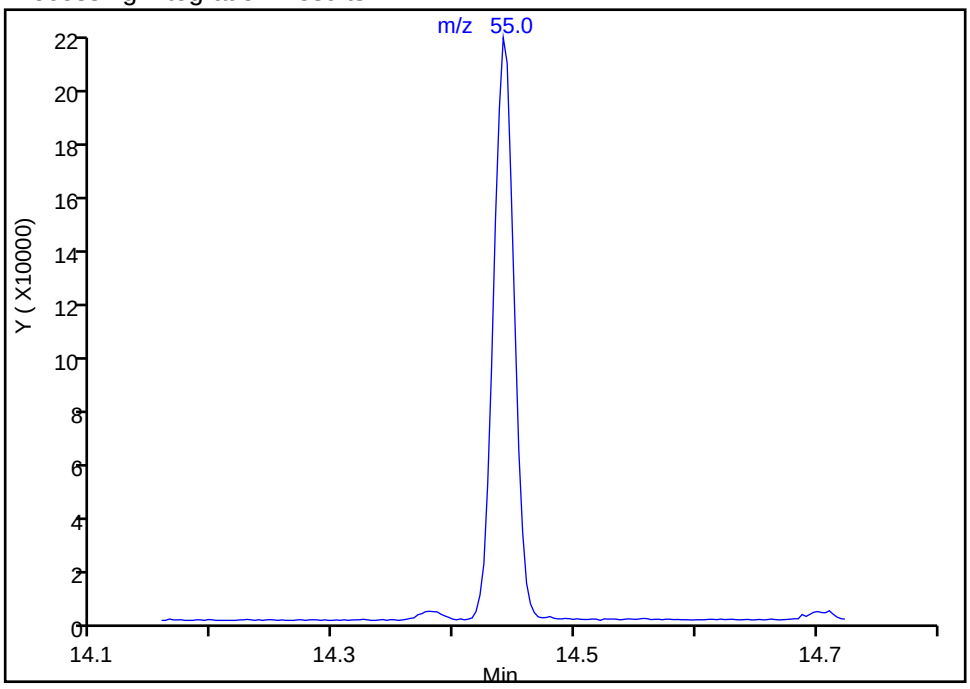
Data File:	\\chromfs\Lancaster\ChromData\9915\20240715-119345.b\LL15X14.D				
Injection Date:	15-Jul-2024 18:49:30	Instrument ID:	9915		
Lims ID:	IC v20				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

173 2-Ethylhexyl acrylate, CAS: 103-11-7

Signal: 1

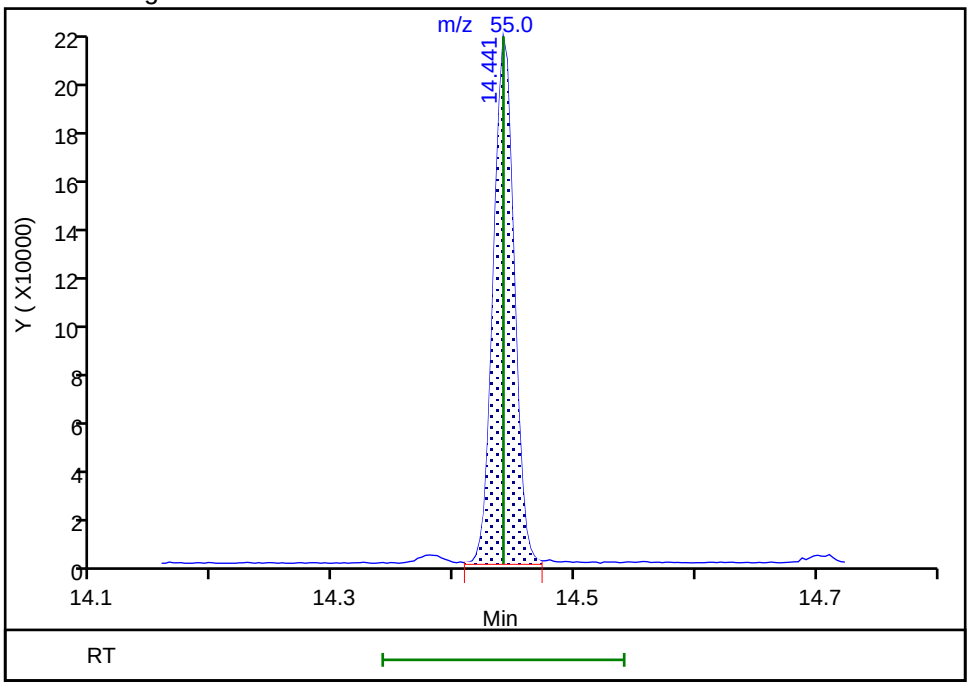
Processing Integration Results

Not Detected
Expected RT: 14.44



Manual Integration Results

RT: 14.44
Area: 261735
Amount: 19.887618
Amount Units: ug/l



Reviewer: DVW2, 16-Jul-2024 08:31:28 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9915\20240715-119345.b\LL15X15.D
Lims ID: ICIS v50
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 15-Jul-2024 19:11:30 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0119345-016
Misc. Info.: ICIS V50
Operator ID: knk41612 Instrument ID: 9915
Sublist: chrom-MSVoa_9915a*sub91

Method: \\chromfs\Lancaster\ChromData\9915\20240715-119345.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 16-Jul-2024 20:47:44 Calib Date: 15-Jul-2024 19:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20240715-119345.b\LL15X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1659

First Level Reviewer: DVW2 Date: 16-Jul-2024 07:48:02

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.946	1.946	0.000	99	513847	50.0	51.7	
4 Chloromethane	50	2.142	2.142	0.000	99	560048	50.0	50.6	
6 Butadiene	39	2.245	2.245	0.000	98	536487	50.0	50.6	
5 Vinyl chloride	62	2.255	2.255	0.000	98	556233	50.0	51.3	
8 Bromomethane	94	2.589	2.589	0.000	91	428177	50.0	50.9	
9 Chloroethane	64	2.653	2.653	0.000	99	289806	50.0	51.1	
10 Dichlorofluoromethane	67	2.898	2.898	0.000	98	893549	50.0	51.2	
11 Trichlorofluoromethane	101	2.975	2.975	0.000	97	680909	50.0	52.2	
12 Pentane	43	2.991	2.991	0.000	93	420549	50.0	46.6	
13 Ethyl ether	59	3.171	3.171	0.000	91	217796	50.0	51.1	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.284	3.284	0.000	91	408322	50.0	50.6	
16 Acrolein	56	3.332	3.332	0.000	99	898603	501.1	529.9	
18 Acetone	58	3.489	3.489	0.000	68	77300	100.0	96.4	
17 1,1-Dichloroethene	96	3.512	3.512	0.000	97	283415	50.0	47.5	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.528	3.528	0.000	93	333513	50.0	48.6	
20 Isopropyl alcohol	45	3.666	3.666	0.000	40	128002	250.0	223.6	
21 Iodomethane	142	3.705	3.705	0.000	98	604579	50.0	48.1	
22 Carbon disulfide	76	3.805	3.805	0.000	99	1046744	50.0	47.8	
24 Methyl acetate	43	3.907	3.907	0.000	98	221757	50.0	46.4	
25 3-Chloro-1-propene	41	3.936	3.936	0.000	94	380993	50.0	45.7	
27 Methylene Chloride	84	4.145	4.145	0.000	88	332550	50.0	46.0	
* 28 t-Butyl alcohol-d10 (IS)	65	4.181	4.181	0.000	96	295545	250.0	250.0	
29 2-Methyl-2-propanol	59	4.313	4.313	0.000	99	237040	250.0	222.5	
30 Acrylonitrile	53	4.438	4.438	0.000	98	311154	125.0	113.3	
31 trans-1,2-Dichloroethene	96	4.528	4.528	0.000	99	263401	50.0	47.1	
32 Methyl tert-butyl ether	73	4.557	4.557	0.000	89	1014781	50.0	46.5	
34 Hexane	57	4.972	4.972	0.000	94	315329	50.0	45.9	
35 1,1-Dichloroethane	63	5.187	5.187	0.000	96	430282	50.0	47.5	
37 Isopropyl ether	45	5.271	5.271	0.000	94	869059	50.0	46.5	
38 2-Chloro-1,3-butadiene	53	5.300	5.300	0.000	91	371753	50.0	47.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
39 Tert-butyl ethyl ether	59	5.808	5.808	0.000	98	940051	50.0	47.3	
40 2-Butanone (MEK)	43	6.004	6.004	0.000	99	371845	100.0	104.5	
42 cis-1,2-Dichloroethene	96	6.030	6.030	0.000	81	288304	50.0	47.0	
43 2,2-Dichloropropane	77	6.058	6.058	0.000	85	485913	50.0	47.1	
45 Propionitrile	54	6.081	6.081	0.000	96	274527	250.0	230.6	
46 Methyl acrylate	55	6.139	6.139	0.000	100	353650	50.0	50.7	a
47 Methacrylonitrile	67	6.296	6.296	0.000	91	335882	125.0	116.1	
48 Chlorobromomethane	128	6.354	6.354	0.000	90	147375	50.0	45.8	
49 Tetrahydrofuran	71	6.380	6.380	0.000	92	236603	250.0	222.5	
50 Chloroform	83	6.515	6.515	0.000	93	451241	50.0	44.5	
$ 51 Dibromofluoromethane (Surr)	113	6.730	6.730	0.000	93	290785	50.0	51.0	
52 1,1,1-Trichloroethane	97	6.759	6.759	0.000	98	491480	50.0	47.3	
53 Cyclohexane	56	6.862	6.862	0.000	90	546406	50.0	47.4	
55 1,1-Dichloropropene	75	6.959	6.959	0.000	95	337921	50.0	46.3	
54 Carbon tetrachloride	117	6.965	6.965	0.000	97	393553	50.0	47.4	
56 Isobutyl alcohol	41	7.126	7.126	0.000	96	198973	625.0	527.9	
$ 57 1,2-Dichloroethane-d4 (Surr)	102	7.187	7.187	0.000	91	69100	50.0	50.1	
58 Benzene	78	7.222	7.222	0.000	96	1035592	50.0	45.9	
59 1,2-Dichloroethane	62	7.293	7.293	0.000	98	345524	50.0	45.3	
61 Tert-amyl methyl ether	73	7.428	7.428	0.000	98	923926	50.0	47.6	
* 62 Fluorobenzene (IS)	96	7.631	7.631	0.000	99	1137735	50.0	50.0	
63 n-Heptane	43	7.653	7.653	0.000	92	336097	50.0	45.9	
65 n-Butanol	56	8.010	8.010	0.000	89	144023	625.0	564.3	
66 Trichloroethene	95	8.110	8.110	0.000	98	267224	50.0	45.6	
67 Ethyl acrylate	55	8.226	8.226	0.000	99	403851	50.0	50.8	a
68 Methylcyclohexane	83	8.425	8.425	0.000	90	556988	50.0	48.4	
69 1,2-Dichloropropane	63	8.438	8.438	0.000	95	258497	50.0	46.2	
70 2-ethoxy-2-methyl butane	87	8.460	8.460	0.000	92	427558	50.0	46.4	
71 Methyl methacrylate	69	8.528	8.528	0.000	91	212404	50.0	44.8	
72 1,4-Dioxane	88	8.531	8.531	0.000	34	47662	625.0	589.2	
73 Dibromomethane	93	8.547	8.547	0.000	97	186352	50.0	45.5	
75 Dichlorobromomethane	83	8.788	8.788	0.000	99	328854	50.0	46.4	
76 2-Nitropropane	41	9.052	9.052	0.000	99	465759	250.0	225.7	
77 2-Chloroethyl vinyl ether	63	9.155	9.155	0.000	92	101047	50.0	48.3	
78 cis-1,3-Dichloropropene	75	9.345	9.345	0.000	95	401823	50.0	45.9	
79 4-Methyl-2-pentanone (MIBK)	43	9.521	9.521	0.000	97	838641	100.0	100.1	
$ 80 Toluene-d8 (Surr)	98	9.660	9.660	0.000	94	1114613	50.0	51.4	
81 Toluene	92	9.737	9.737	0.000	98	643749	50.0	47.7	
120 trans-1,3-Dichloropropene	75	9.994	9.994	0.000	94	356659	50.0	47.8	
121 Ethyl methacrylate	69	10.062	10.062	0.000	89	398347	50.0	47.1	
122 1,1,2-Trichloroethane	97	10.200	10.200	0.000	90	234799	50.0	47.0	
123 Tetrachloroethene	166	10.293	10.293	0.000	97	269426	50.0	47.3	
124 1,3-Dichloropropane	76	10.361	10.361	0.000	92	370411	50.0	46.5	
125 2-Hexanone	43	10.418	10.418	0.000	96	517715	100.0	101.5	
128 Chlorodibromomethane	129	10.579	10.579	0.000	89	256239	50.0	48.4	
129 Ethylene Dibromide	107	10.689	10.689	0.000	98	255777	50.0	47.6	
* 130 Chlorobenzene-d5 (IS)	117	11.129	11.129	0.000	86	856741	50.0	50.0	
132 1-Chlorohexane	91	11.139	11.139	0.000	97	328353	50.0	43.9	
133 Chlorobenzene	112	11.155	11.155	0.000	95	685489	50.0	45.8	
134 1,1,1,2-Tetrachloroethane	131	11.235	11.235	0.000	96	300150	50.0	49.1	
135 Ethylbenzene	91	11.242	11.242	0.000	98	1265090	50.0	45.9	
136 m-Xylene & p-Xylene	106	11.357	11.357	0.000	100	987937	100.0	91.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
137 n-Butyl acrylate	55	11.637	11.637	0.000	97	641635	50.0	51.3	a
138 o-Xylene	106	11.688	11.688	0.000	96	544154	50.0	46.9	
139 Styrene	104	11.701	11.701	0.000	94	810567	50.0	46.2	
140 Bromoform	173	11.856	11.856	0.000	96	183015	50.0	47.0	
142 Isopropylbenzene	105	11.991	11.991	0.000	95	1387801	50.0	47.5	
141 Cyclohexanone	55	12.061	12.061	0.000	92	243605	625.0	638.9	
$ 143 4-Bromofluorobenzene (Surr)	95	12.132	12.132	0.000	90	419387	50.0	48.9	
145 1,1,2,2-Tetrachloroethane	83	12.232	12.232	0.000	94	410940	50.0	46.2	
146 Bromobenzene	156	12.248	12.248	0.000	93	312323	50.0	46.2	
147 trans-1,4-Dichloro-2-butene	53	12.258	12.258	0.000	95	273110	125.0	119.5	
148 1,2,3-Trichloropropane	110	12.280	12.280	0.000	84	121617	50.0	45.9	
149 N-Propylbenzene	91	12.319	12.319	0.000	99	1556187	50.0	46.9	
150 2-Chlorotoluene	126	12.396	12.396	0.000	97	322751	50.0	46.7	
151 1,3,5-Trimethylbenzene	105	12.457	12.457	0.000	94	1261785	50.0	48.2	
153 4-Chlorotoluene	126	12.486	12.486	0.000	97	304116	50.0	45.8	
154 tert-Butylbenzene	134	12.698	12.698	0.000	93	242779	50.0	50.5	
156 1,2,4-Trimethylbenzene	105	12.740	12.740	0.000	97	1253589	50.0	47.2	
157 sec-Butylbenzene	105	12.862	12.862	0.000	94	1634520	50.0	49.6	
158 1,3-Dichlorobenzene	146	12.959	12.959	0.000	98	623621	50.0	46.4	
159 4-Isopropyltoluene	119	12.968	12.968	0.000	97	1411794	50.0	48.6	
* 160 1,4-Dichlorobenzene-d4	152	13.013	13.013	0.000	95	487038	50.0	50.0	
161 1,4-Dichlorobenzene	146	13.029	13.029	0.000	95	619689	50.0	45.3	
162 1,2,3-Trimethylbenzene	105	13.045	13.045	0.000	98	1364319	50.0	47.6	
163 Benzyl chloride	91	13.106	13.106	0.000	98	832320	50.0	47.9	
164 1,3-Diethylbenzene	119	13.171	13.171	0.000	95	811994	50.0	47.7	
165 p-Diethylbenzene	119	13.241	13.241	0.000	94	847246	50.0	47.6	
166 n-Butylbenzene	92	13.261	13.261	0.000	98	673514	50.0	47.4	
167 1,2-Dichlorobenzene	146	13.293	13.293	0.000	99	655351	50.0	45.7	
168 o-diethylbenzene	119	13.312	13.312	0.000	95	696256	50.0	48.8	
170 1,2-Dibromo-3-Chloropropane	75	13.827	13.827	0.000	87	106567	50.0	45.8	
171 1,3,5-Trichlorobenzene	180	13.958	13.958	0.000	98	545915	50.0	47.2	
172 1,2,4-Trichlorobenzene	180	14.383	14.383	0.000	94	562456	50.0	48.2	
173 2-Ethylhexyl acrylate	55	14.441	14.441	0.000	81	696581	50.0	56.0	a
174 Hexachlorobutadiene	225	14.466	14.466	0.000	98	213689	50.0	49.8	
175 Naphthalene	128	14.563	14.563	0.000	97	1946327	50.0	48.2	
176 1,2,3-Trichlorobenzene	180	14.704	14.704	0.000	96	592822	50.0	48.5	
177 2-Methylnaphthalene	142	15.319	15.319	0.000	92	1244764	50.0	52.2	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

MSV_CCV_VOC#1_00192	Amount Added:	5.00	Units: uL	
MSV_CCV_CYC_00009	Amount Added:	10.00	Units: uL	
MSV_CCV_VOC#3_00188	Amount Added:	4.00	Units: uL	
MSV_CCV_2CEVE_00184	Amount Added:	5.00	Units: uL	
MSV_CCV_GASES_00819	Amount Added:	2.50	Units: uL	
MSV_CCV_EE_00007	Amount Added:	5.00	Units: uL	
MSV_CCV_OH_Sp_00012	Amount Added:	5.00	Units: uL	
MSV_HP23_ISSS_00014	Amount Added:	1.00	Units: uL	Run Reagent

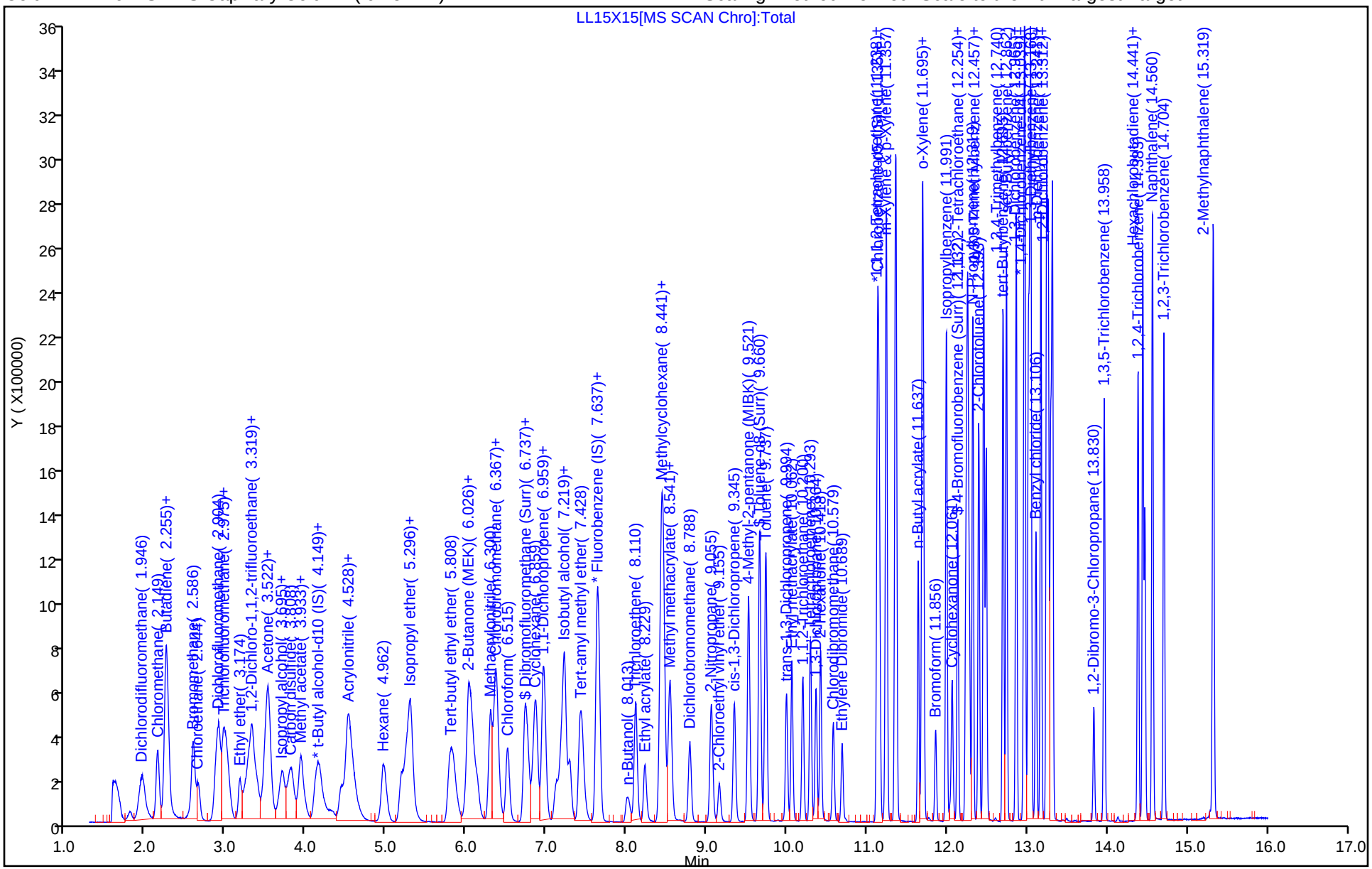
Report Date: 16-Jul-2024 20:47:45 Chrom Revision: 2.3 26-Jun-2024 16:13:32

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9915\20240715-119345.b\LL15X15.D

Injection Date:	15-Jul-2024 19:11:30	Instrument ID:	9915	Operator ID:	knk41612
Lims ID:	ICIS v50			Worklist Smp#:	16
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	MSVoa_9915a	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

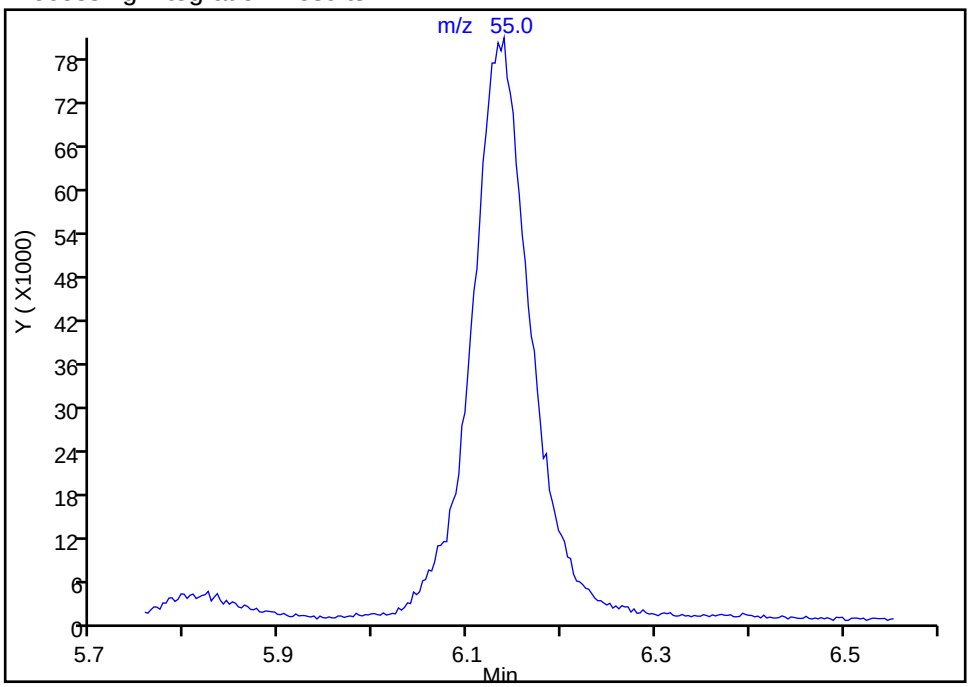
Data File: \\chromfs\Lancaster\ChromData\9915\20240715-119345.b\LL15X15.D
Injection Date: 15-Jul-2024 19:11:30 Instrument ID: 9915
Lims ID: ICIS v50
Client ID:
Operator ID: knk41612 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

46 Methyl acrylate, CAS: 96-33-3

Signal: 1

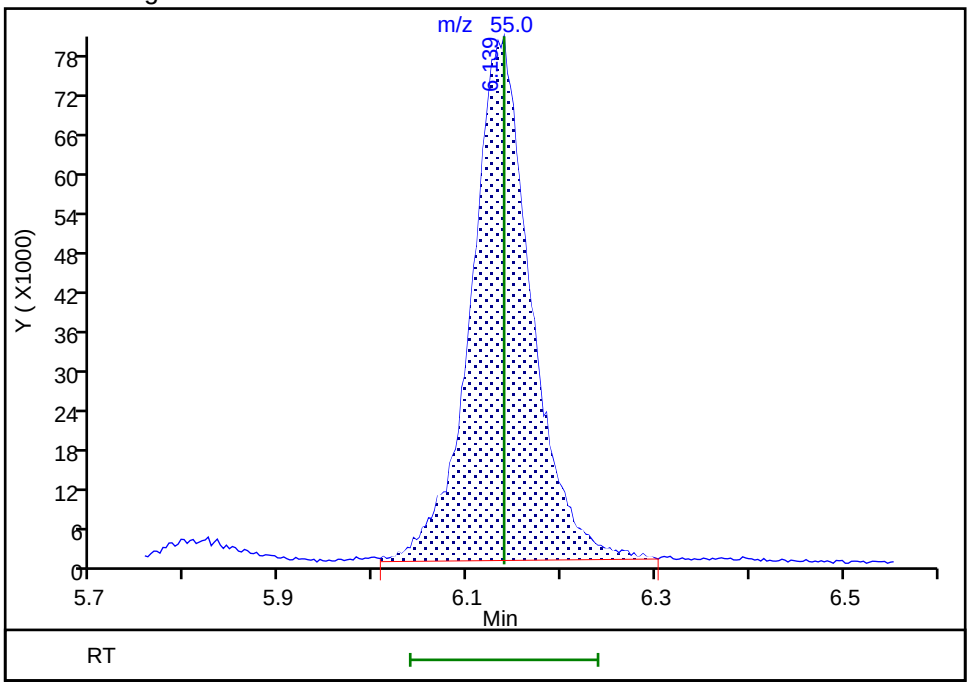
Not Detected
Expected RT: 6.14

Processing Integration Results



Manual Integration Results

RT: 6.14
Area: 353650
Amount: 50.745250
Amount Units: ug/l



Reviewer: DVW2, 16-Jul-2024 08:29:41 -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

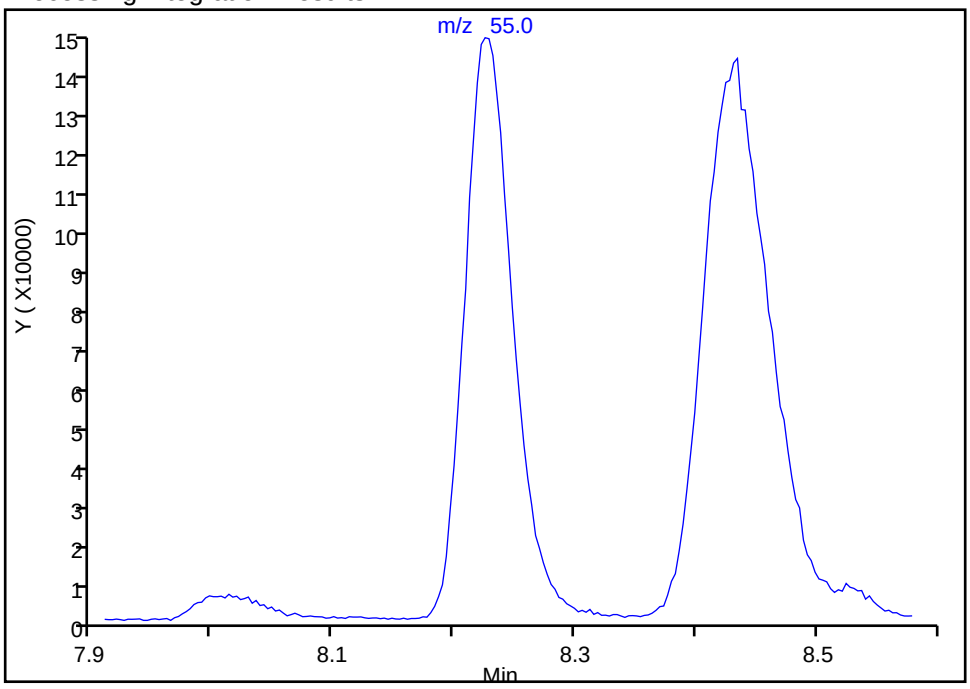
Data File: \\chromfs\Lancaster\ChromData\9915\20240715-119345.b\LL15X15.D
Injection Date: 15-Jul-2024 19:11:30 Instrument ID: 9915
Lims ID: ICIS v50
Client ID:
Operator ID: knk41612 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

67 Ethyl acrylate, CAS: 140-88-5

Signal: 1

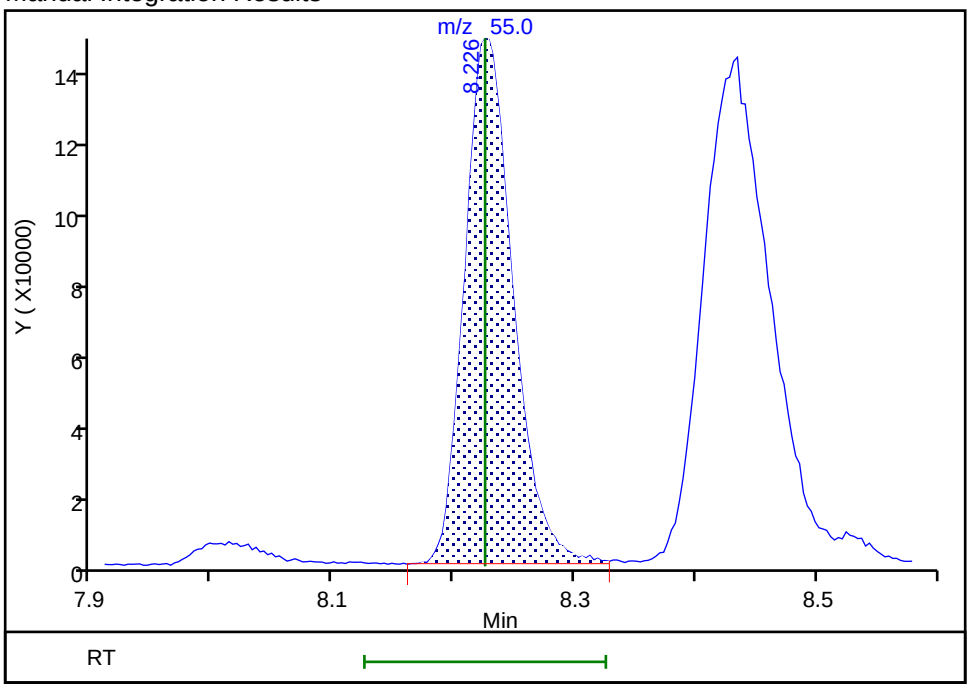
Not Detected
Expected RT: 8.23

Processing Integration Results



Manual Integration Results

RT: 8.23
Area: 403851
Amount: 50.794510
Amount Units: ug/l



Reviewer: DVW2, 16-Jul-2024 08:29:45 -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

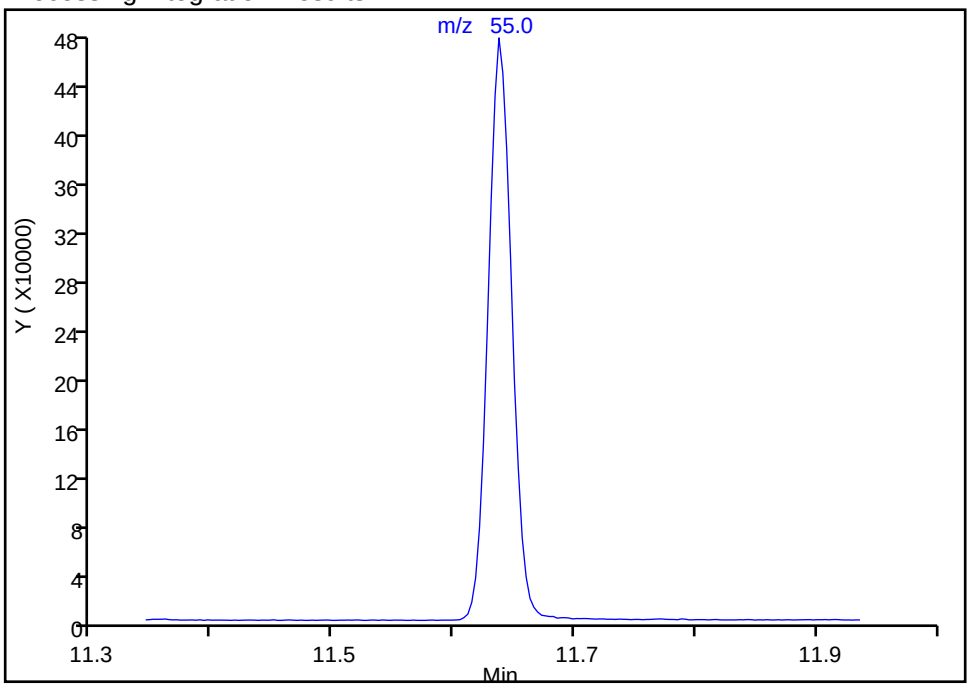
Data File: \\chromfs\Lancaster\ChromData\9915\20240715-119345.b\LL15X15.D
Injection Date: 15-Jul-2024 19:11:30 Instrument ID: 9915
Lims ID: ICIS v50
Client ID:
Operator ID: knk41612 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

137 n-Butyl acrylate, CAS: 141-32-2

Signal: 1

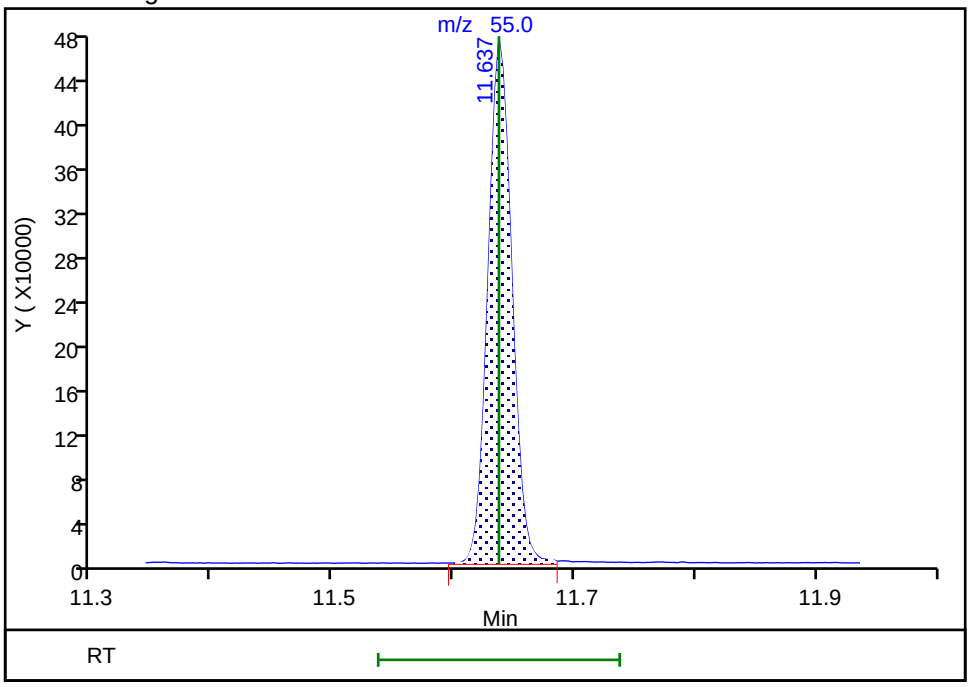
Not Detected
Expected RT: 11.64

Processing Integration Results



Manual Integration Results

RT: 11.64
Area: 641635
Amount: 51.332848
Amount Units: ug/l



Reviewer: DVW2, 16-Jul-2024 08:29:49 -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

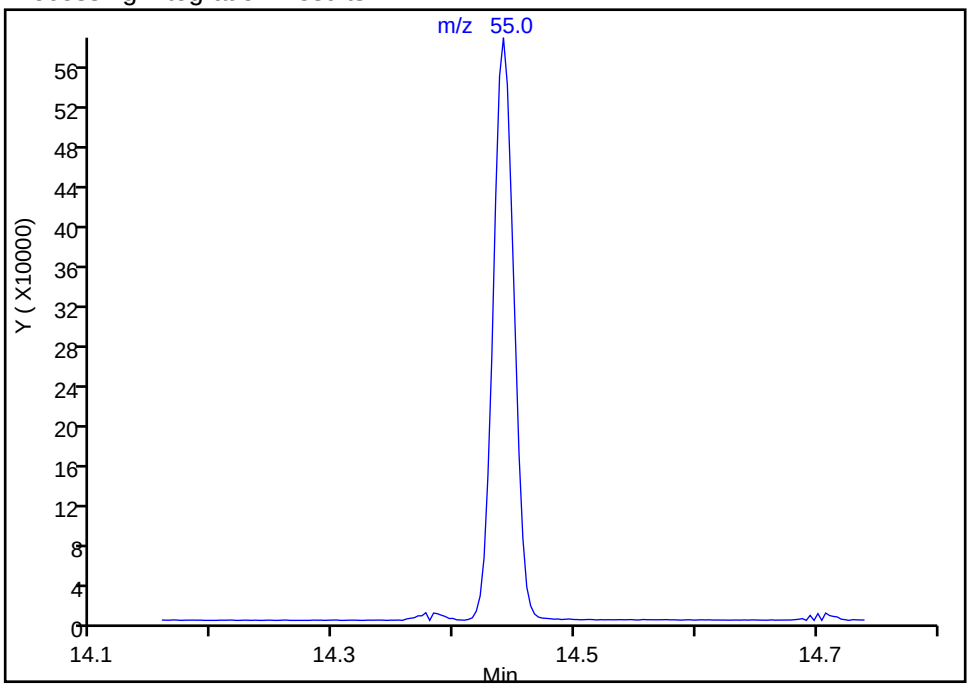
Data File:	\\chromfs\Lancaster\ChromData\9915\20240715-119345.b\LL15X15.D				
Injection Date:	15-Jul-2024 19:11:30	Instrument ID:	9915		
Lims ID:	ICIS v50				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

173 2-Ethylhexyl acrylate, CAS: 103-11-7

Signal: 1

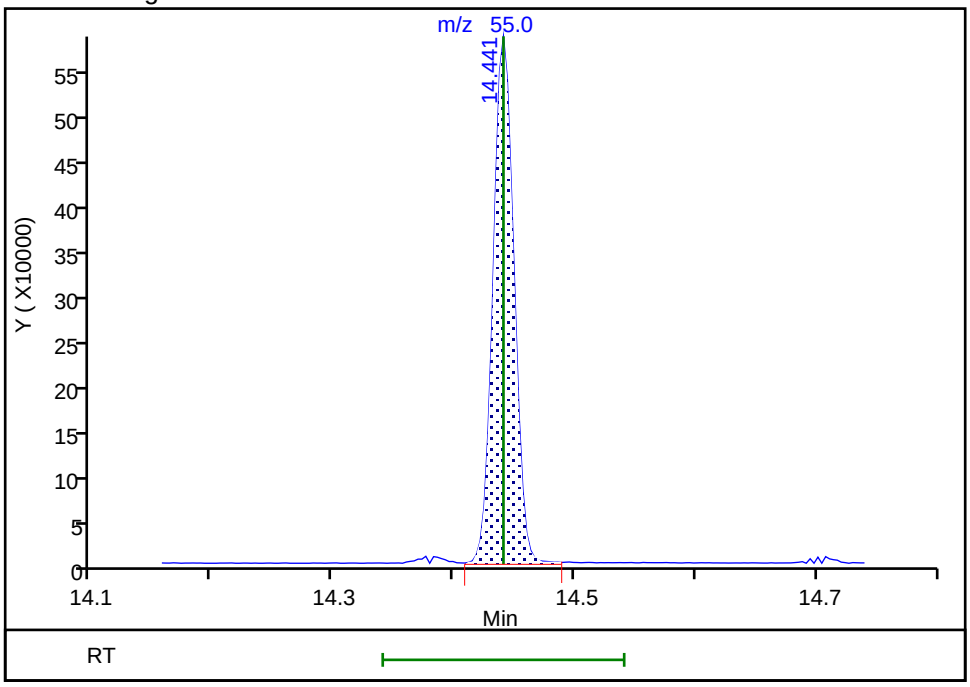
Not Detected
Expected RT: 14.44

Processing Integration Results



Manual Integration Results

RT: 14.44
Area: 696581
Amount: 56.024039
Amount Units: ug/l



Reviewer: DVW2, 16-Jul-2024 08:29:52 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9915\20240715-119345.b\LL15X16.D
Lims ID: IC v100
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 15-Jul-2024 19:34:30 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0119345-017
Misc. Info.: IC V100
Operator ID: knk41612 Instrument ID: 9915
Sublist: chrom-MSVoa_9915a*sub91

Method: \\chromfs\Lancaster\ChromData\9915\20240715-119345.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 16-Jul-2024 20:47:53 Calib Date: 15-Jul-2024 19:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20240715-119345.b\LL15X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1659

First Level Reviewer: DVW2 Date: 16-Jul-2024 07:55:55

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.943	1.946	-0.003	100	1020737	100.0	102.9	
4 Chloromethane	50	2.132	2.142	-0.010	99	1110744	100.0	100.5	
6 Butadiene	39	2.238	2.245	-0.007	94	1049022	100.0	99.0	
5 Vinyl chloride	62	2.245	2.255	-0.010	98	1096578	100.0	101.4	
8 Bromomethane	94	2.576	2.589	-0.013	90	855890	100.0	102.0	
9 Chloroethane	64	2.637	2.653	-0.016	100	567882	100.0	100.3	
10 Dichlorofluoromethane	67	2.885	2.898	-0.013	98	1769063	100.0	101.5	
11 Trichlorofluoromethane	101	2.955	2.975	-0.020	97	1364400	100.0	104.9	
12 Pentane	43	2.994	2.991	0.003	95	923540	100.0	102.5	
13 Ethyl ether	59	3.161	3.171	-0.010	91	428251	100.0	100.7	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.280	3.284	-0.004	91	799376	100.0	99.2	
16 Acrolein	56	3.322	3.332	-0.010	99	1752634	1002.2	1015.6	
18 Acetone	58	3.476	3.489	-0.013	100	150483	200.0	184.4	
17 1,1-Dichloroethene	96	3.492	3.512	-0.020	97	608315	100.0	102.1	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.521	3.528	-0.007	94	715582	100.0	104.4	
20 Isopropyl alcohol	45	3.660	3.666	-0.006	30	270500	500.0	464.4	M
21 Iodomethane	142	3.689	3.705	-0.016	98	1297970	100.0	103.5	
22 Carbon disulfide	76	3.795	3.805	-0.010	99	2317407	100.0	106.1	
24 Methyl acetate	43	3.894	3.907	-0.013	98	498467	100.0	104.4	
25 3-Chloro-1-propene	41	3.920	3.936	-0.016	89	837942	100.0	100.8	
27 Methylene Chloride	84	4.139	4.145	-0.006	89	724522	100.0	100.3	
* 28 t-Butyl alcohol-d10 (IS)	65	4.177	4.181	-0.004	97	300753	250.0	250.0	
29 2-Methyl-2-propanol	59	4.299	4.313	-0.014	30	536225	500.0	494.6	M
30 Acrylonitrile	53	4.425	4.438	-0.013	99	711875	250.0	259.7	
31 trans-1,2-Dichloroethene	96	4.515	4.528	-0.013	99	562204	100.0	100.7	
32 Methyl tert-butyl ether	73	4.547	4.557	-0.010	94	2231046	100.0	102.5	
34 Hexane	57	4.949	4.972	-0.023	93	704337	100.0	102.7	
35 1,1-Dichloroethane	63	5.177	5.187	-0.010	96	923206	100.0	102.2	
37 Isopropyl ether	45	5.254	5.271	-0.017	94	1927203	100.0	103.3	
38 2-Chloro-1,3-butadiene	53	5.293	5.300	-0.007	91	798024	100.0	101.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
39 Tert-butyl ethyl ether	59	5.807	5.808	-0.001	97	2071523	100.0	104.4	
40 2-Butanone (MEK)	43	5.994	6.004	-0.010	98	755386	200.0	212.7	
42 cis-1,2-Dichloroethene	96	6.016	6.030	-0.014	80	618314	100.0	101.1	
43 2,2-Dichloropropane	77	6.052	6.058	-0.006	89	1056858	100.0	102.6	
45 Propionitrile	54	6.078	6.081	-0.003	96	631011	500.0	521.0	
46 Methyl acrylate	55	6.129	6.139	-0.010	100	745214	100.0	107.1	a
S 41 1,2-Dichloroethene, Total	100				0			201.8	
47 Methacrylonitrile	67	6.290	6.296	-0.006	91	762429	250.0	264.0	
48 Chlorobromomethane	128	6.351	6.354	-0.003	92	318011	100.0	99.0	
49 Tetrahydrofuran	71	6.370	6.380	-0.010	92	530289	500.0	490.1	
50 Chloroform	83	6.508	6.515	-0.007	93	969583	100.0	95.7	
$ 51 Dibromofluoromethane (Surr)	113	6.724	6.730	-0.006	64	286260	50.0	50.3	
52 1,1,1-Trichloroethane	97	6.753	6.759	-0.006	98	1080890	100.0	104.2	
53 Cyclohexane	56	6.859	6.862	-0.003	90	1191763	100.0	103.5	
55 1,1-Dichloropropene	75	6.955	6.959	-0.004	97	737524	100.0	101.3	
54 Carbon tetrachloride	117	6.962	6.965	-0.003	96	875320	100.0	105.7	
56 Isobutyl alcohol	41	7.126	7.126	0.000	94	450807	1250.0	1175.3	
$ 57 1,2-Dichloroethane-d4 (Surr)	102	7.180	7.187	-0.007	83	69061	50.0	50.2	
58 Benzene	78	7.219	7.222	-0.003	96	2290705	100.0	101.7	
59 1,2-Dichloroethane	62	7.283	7.293	-0.010	98	775695	100.0	101.8	
61 Tert-amyl methyl ether	73	7.428	7.428	0.000	99	2065395	100.0	106.6	
* 62 Fluorobenzene (IS)	96	7.624	7.631	-0.007	99	1135563	50.0	50.0	
63 n-Heptane	43	7.647	7.653	-0.006	92	763596	100.0	104.5	
65 n-Butanol	56	8.000	8.010	-0.010	88	349644	1250.0	1346.1	
66 Trichloroethene	95	8.106	8.110	-0.004	99	602362	100.0	103.1	
67 Ethyl acrylate	55	8.222	8.226	-0.004	99	874876	100.0	110.2	a
68 Methylcyclohexane	83	8.425	8.425	0.000	90	1242590	100.0	108.3	
69 1,2-Dichloropropane	63	8.434	8.438	-0.004	88	581447	100.0	104.1	
70 2-ethoxy-2-methyl butane	87	8.457	8.460	-0.003	91	990648	100.0	107.8	
71 Methyl methacrylate	69	8.528	8.528	0.000	92	498295	100.0	105.2	
72 1,4-Dioxane	88	8.540	8.531	0.009	68	108666	1250.0	1320.1	
73 Dibromomethane	93	8.547	8.547	0.000	97	419094	100.0	102.6	
75 Dichlorobromomethane	83	8.785	8.788	-0.003	100	759589	100.0	107.3	
76 2-Nitropropane	41	9.055	9.052	0.003	97	1106056	500.0	526.8	
77 2-Chloroethyl vinyl ether	63	9.151	9.155	-0.004	92	223368	100.0	106.9	
78 cis-1,3-Dichloropropene	75	9.341	9.345	-0.003	96	943830	100.0	107.9	
79 4-Methyl-2-pentanone (MIBK)	43	9.521	9.521	0.000	97	1697464	200.0	203.0	
$ 80 Toluene-d8 (Surr)	98	9.659	9.660	-0.001	94	1157670	50.0	49.8	
81 Toluene	92	9.733	9.737	-0.004	98	1482173	100.0	102.5	
120 trans-1,3-Dichloropropene	75	9.994	9.994	0.000	93	859730	100.0	107.5	
S 119 1,3-Dichloropropene, Total	100				0			215.4	
121 Ethyl methacrylate	69	10.061	10.062	-0.001	89	940339	100.0	103.9	
122 1,1,2-Trichloroethane	97	10.196	10.200	-0.004	90	552271	100.0	103.1	
123 Tetrachloroethene	166	10.293	10.293	0.000	97	618432	100.0	101.3	
124 1,3-Dichloropropane	76	10.360	10.361	-0.001	92	872390	100.0	102.3	
125 2-Hexanone	43	10.418	10.418	0.000	96	1069728	200.0	195.7	
128 Chlorodibromomethane	129	10.576	10.579	-0.003	90	624633	100.0	110.1	
129 Ethylene Dibromide	107	10.685	10.689	-0.003	99	595318	100.0	103.5	
* 130 Chlorobenzene-d5 (IS)	117	11.126	11.129	-0.003	85	917583	50.0	50.0	
132 1-Chlorohexane	91	11.138	11.139	-0.001	97	763396	100.0	95.4	
133 Chlorobenzene	112	11.154	11.155	-0.001	95	1609542	100.0	100.3	
134 1,1,1,2-Tetrachloroethane	131	11.235	11.235	0.000	96	692710	100.0	105.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
135 Ethylbenzene	91	11.241	11.242	-0.001	98	2952359	100.0	99.9	
S 131 Xylenes, Total	106				0			301.2	
136 m-Xylene & p-Xylene	106	11.357	11.357	0.000	100	2310900	200.0	200.5	
137 n-Butyl acrylate	55	11.637	11.637	0.000	96	1352429	100.0	101.0	a
138 o-Xylene	106	11.688	11.688	0.000	96	1251521	100.0	100.7	
139 Styrene	104	11.701	11.701	0.000	94	1882420	100.0	100.3	
140 Bromoform	173	11.852	11.856	-0.004	96	448928	100.0	107.7	
142 Isopropylbenzene	105	11.990	11.991	-0.001	95	3207098	100.0	102.5	
141 Cyclohexanone	55	12.061	12.061	0.000	93	495867	1250.1	1278.0	
$ 143 4-Bromofluorobenzene (Surr)	95	12.132	12.132	0.000	89	440157	50.0	47.9	
145 1,1,2,2-Tetrachloroethane	83	12.232	12.232	0.000	95	969208	100.0	105.4	
146 Bromobenzene	156	12.248	12.248	0.000	97	728274	100.0	104.3	
147 trans-1,4-Dichloro-2-butene	53	12.257	12.258	-0.001	88	643752	250.0	272.4	
148 1,2,3-Trichloropropane	110	12.277	12.280	-0.003	86	279242	100.0	101.8	
149 N-Propylbenzene	91	12.318	12.319	-0.001	99	3599245	100.0	105.0	
150 2-Chlorotoluene	126	12.392	12.396	-0.004	97	751927	100.0	105.4	
151 1,3,5-Trimethylbenzene	105	12.457	12.457	0.000	94	2945720	100.0	108.8	
153 4-Chlorotoluene	126	12.486	12.486	0.000	97	700453	100.0	102.1	
154 tert-Butylbenzene	134	12.695	12.698	-0.003	93	569792	100.0	114.7	
156 1,2,4-Trimethylbenzene	105	12.740	12.740	0.000	98	2922977	100.0	106.5	
157 sec-Butylbenzene	105	12.862	12.862	0.000	94	3814975	100.0	112.1	
158 1,3-Dichlorobenzene	146	12.958	12.959	0.000	98	1411425	100.0	101.6	
159 4-Isopropyltoluene	119	12.968	12.968	0.000	97	3289461	100.0	109.6	
* 160 1,4-Dichlorobenzene-d4	152	13.013	13.013	0.000	94	503428	50.0	50.0	
161 1,4-Dichlorobenzene	146	13.032	13.029	0.003	96	1417344	100.0	100.2	
162 1,2,3-Trimethylbenzene	105	13.045	13.045	0.000	99	3186579	100.0	107.5	
163 Benzyl chloride	91	13.106	13.106	0.000	98	1966629	100.0	109.6	
164 1,3-Diethylbenzene	119	13.170	13.171	-0.001	95	1873963	100.0	106.5	
165 p-Diethylbenzene	119	13.241	13.241	0.000	94	1925104	100.0	104.7	
166 n-Butylbenzene	92	13.260	13.261	-0.001	97	1537550	100.0	104.7	
167 1,2-Dichlorobenzene	146	13.293	13.293	0.000	98	1499959	100.0	101.2	
168 o-diethylbenzene	119	13.312	13.312	0.000	95	1617709	100.0	109.7	
170 1,2-Dibromo-3-Chloropropane	75	13.830	13.827	0.003	91	254526	100.0	105.9	
171 1,3,5-Trichlorobenzene	180	13.958	13.958	0.000	98	1247010	100.0	104.4	
172 1,2,4-Trichlorobenzene	180	14.383	14.383	0.000	94	1263070	100.0	104.6	
173 2-Ethylhexyl acrylate	55	14.441	14.441	-0.001	81	1447618	100.0	112.6	a
174 Hexachlorobutadiene	225	14.466	14.466	0.000	98	497105	100.0	112.1	
175 Naphthalene	128	14.563	14.563	0.000	96	4395279	100.0	105.2	
176 1,2,3-Trichlorobenzene	180	14.704	14.704	0.000	96	1341929	100.0	106.3	
177 2-Methylnaphthalene	142	15.318	15.319	-0.001	92	2814024	100.0	114.2	
S 188 Total Diethylbenzene	1				0			320.9	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_CCV_VOC#1_00192	Amount Added:	5.00	Units: uL	
MSV_CCV_CYC_00009	Amount Added:	10.00	Units: uL	
MSV_CCV_VOC#3_00188	Amount Added:	4.00	Units: uL	
MSV_CCV_2CEVE_00184	Amount Added:	5.00	Units: uL	
MSV_CCV_GASES_00819	Amount Added:	2.50	Units: uL	
MSV_CCV_EE_00007	Amount Added:	5.00	Units: uL	
MSV_CCV_OH_Sp_00012	Amount Added:	5.00	Units: uL	
MSV_HP23_ISSS_00014	Amount Added:	1.00	Units: uL	Run Reagent

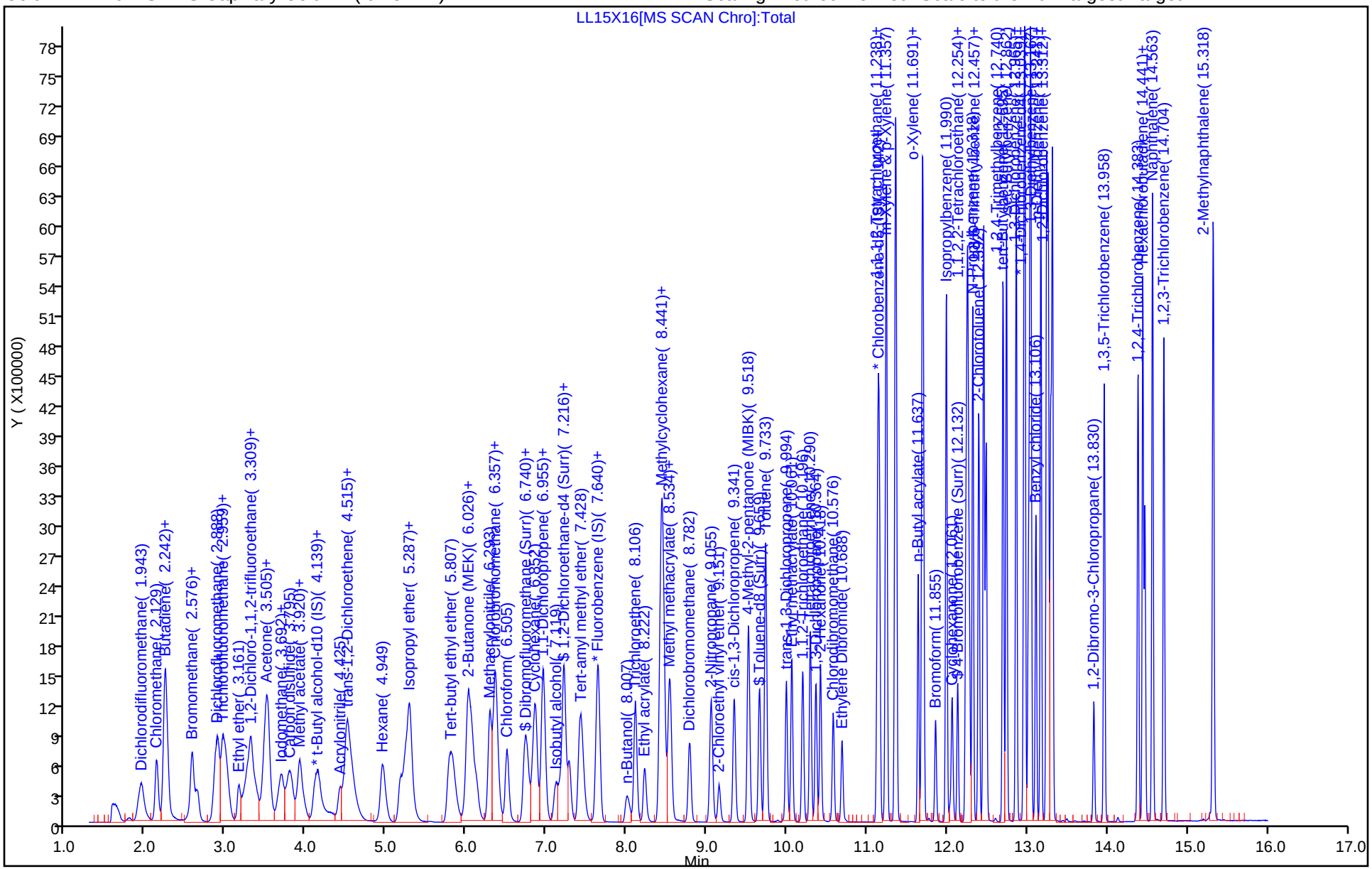
Report Date: 16-Jul-2024 20:47:54 Chrom Revision: 2.3 26-Jun-2024 16:13:32

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9915\20240715-119345.b\LL15X16.D

Injection Date:	15-Jul-2024 19:34:30	Instrument ID:	9915	Operator ID:	knk41612
Lims ID:	IC v100			Worklist Smp#:	17
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	MSVoa_9915a	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

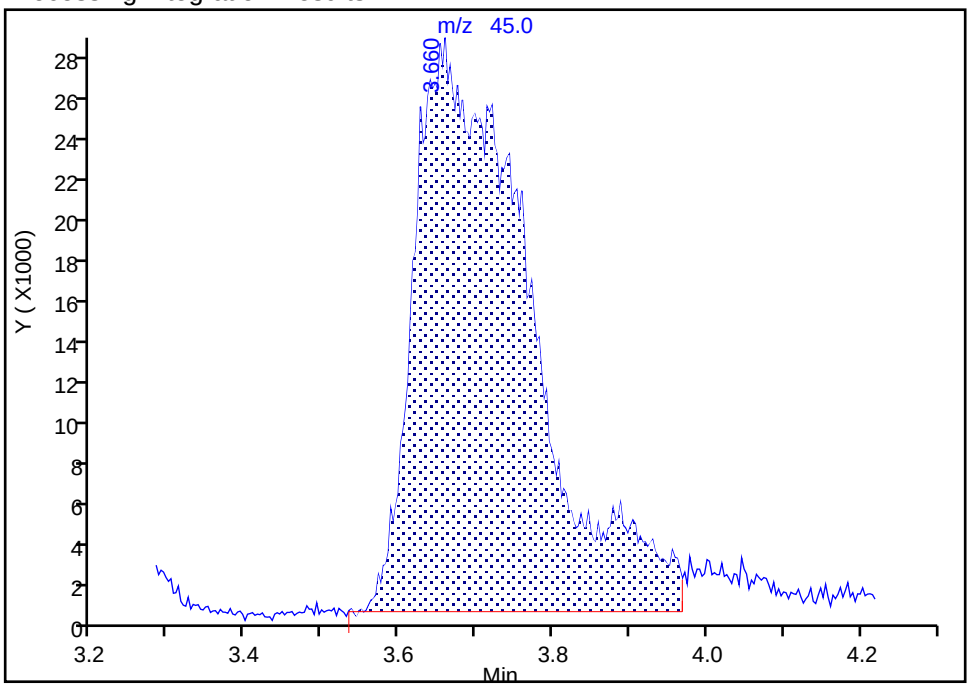
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Injection Date:	15-Jul-2024 19:34:30	Instrument ID:	9915		
Lims ID:	IC v100				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

20 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

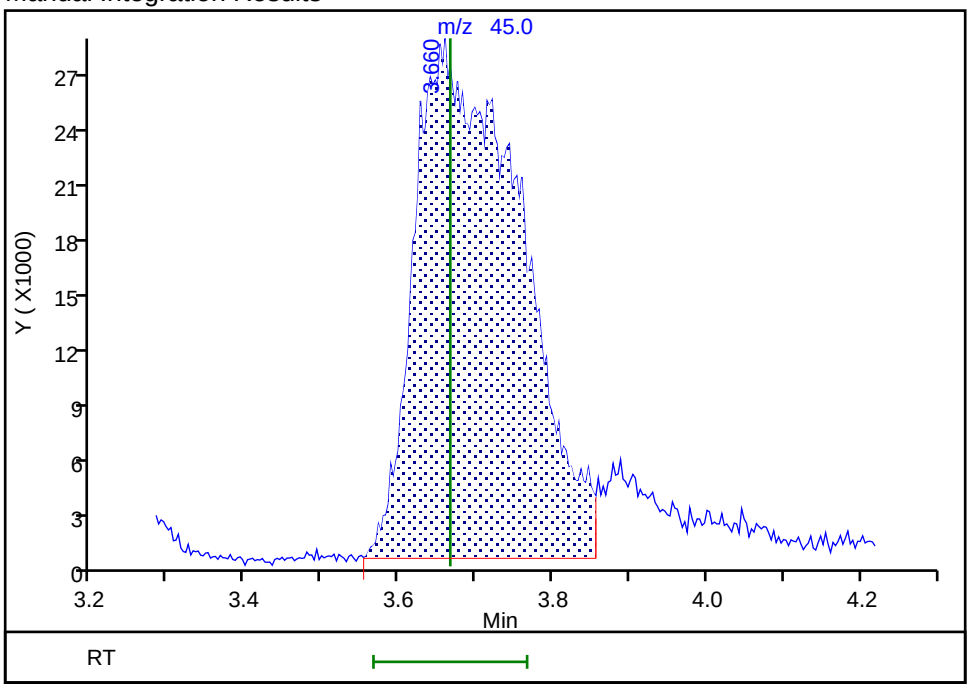
Processing Integration Results

RT: 3.66
Area: 292655
Amount: 497.0230
Amount Units: ug/l



Manual Integration Results

RT: 3.66
Area: 270500
Amount: 464.3890
Amount Units: ug/l



Reviewer: UKEK, 16-Jul-2024 20:14:34 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

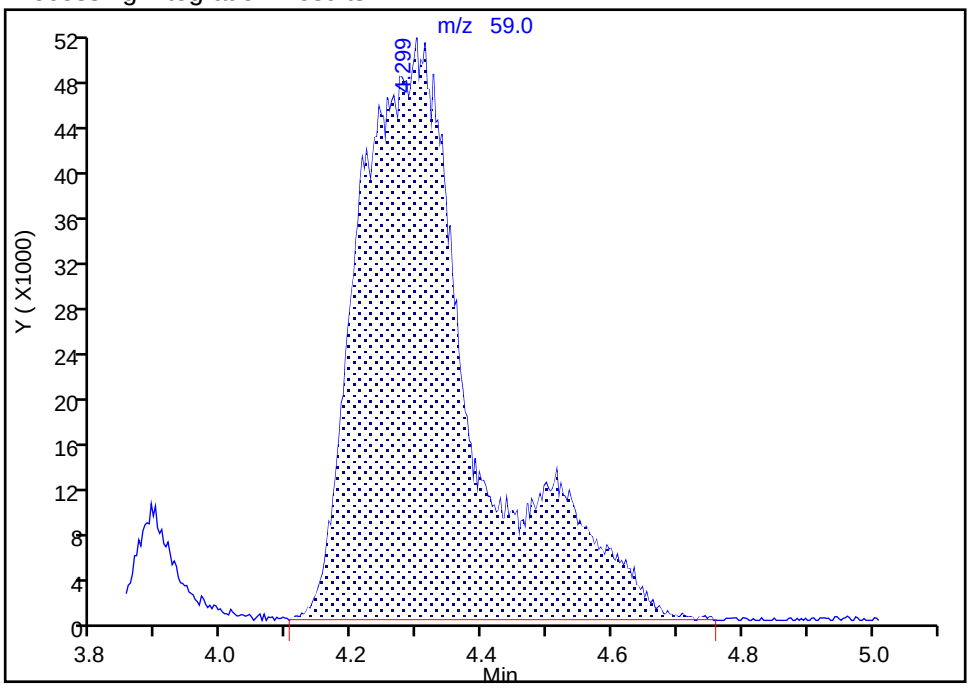
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Injection Date: 15-Jul-2024 19:34:30 Instrument ID: 9915
Lims ID: IC v100
Client ID:
Operator ID: knk41612 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

29 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

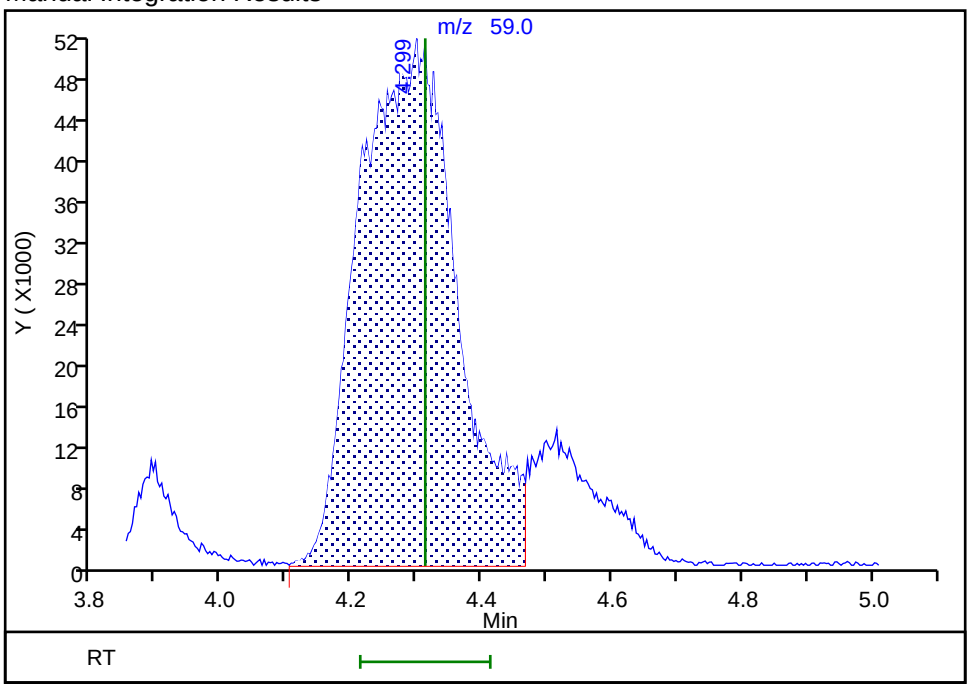
Processing Integration Results

RT: 4.30
Area: 627275
Amount: 543.7849
Amount Units: ug/l



Manual Integration Results

RT: 4.30
Area: 536225
Amount: 494.5500
Amount Units: ug/l



Reviewer: DVW2, 16-Jul-2024 07:55:50 -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

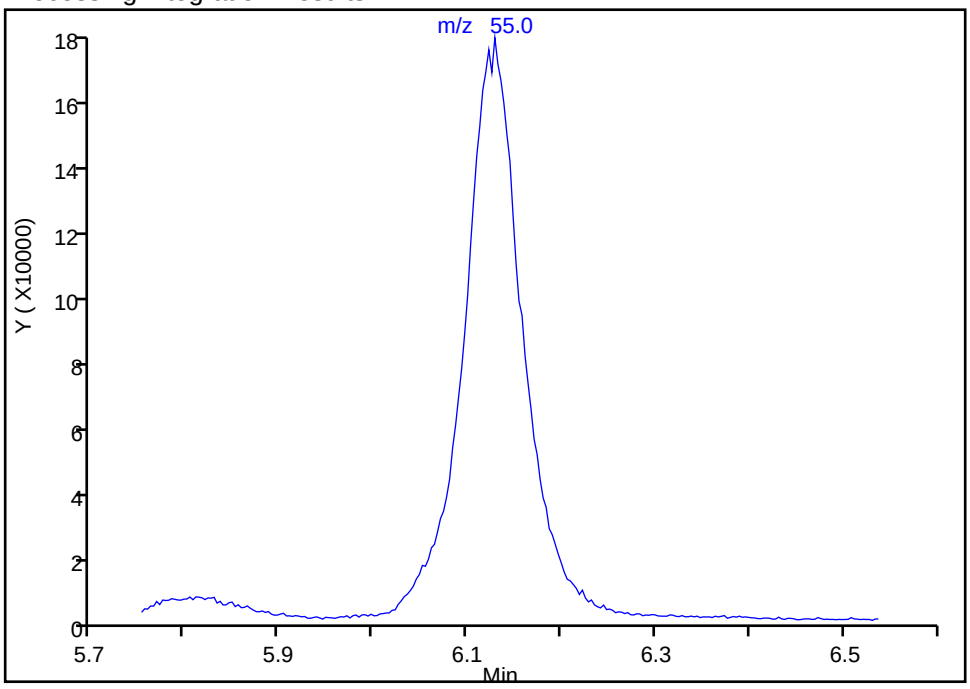
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Injection Date: 15-Jul-2024 19:34:30 Instrument ID: 9915
Lims ID: IC v100
Client ID:
Operator ID: knk41612 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

46 Methyl acrylate, CAS: 96-33-3

Signal: 1

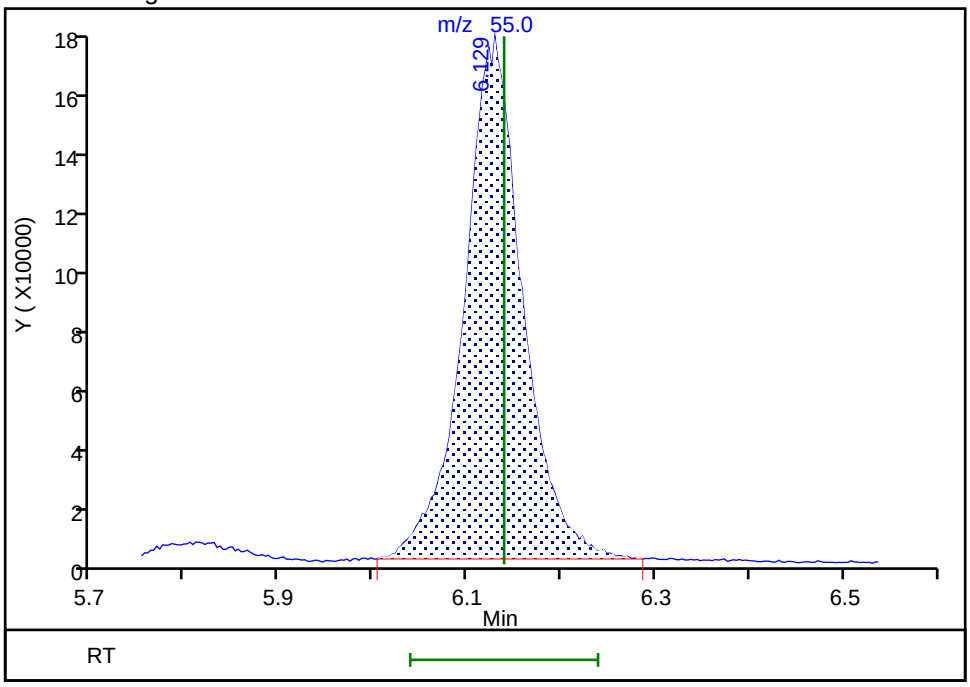
Not Detected
Expected RT: 6.14

Processing Integration Results



Manual Integration Results

RT: 6.13
Area: 745214
Amount: 107.1353
Amount Units: ug/l



Reviewer: DVW2, 16-Jul-2024 08:31:51 -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

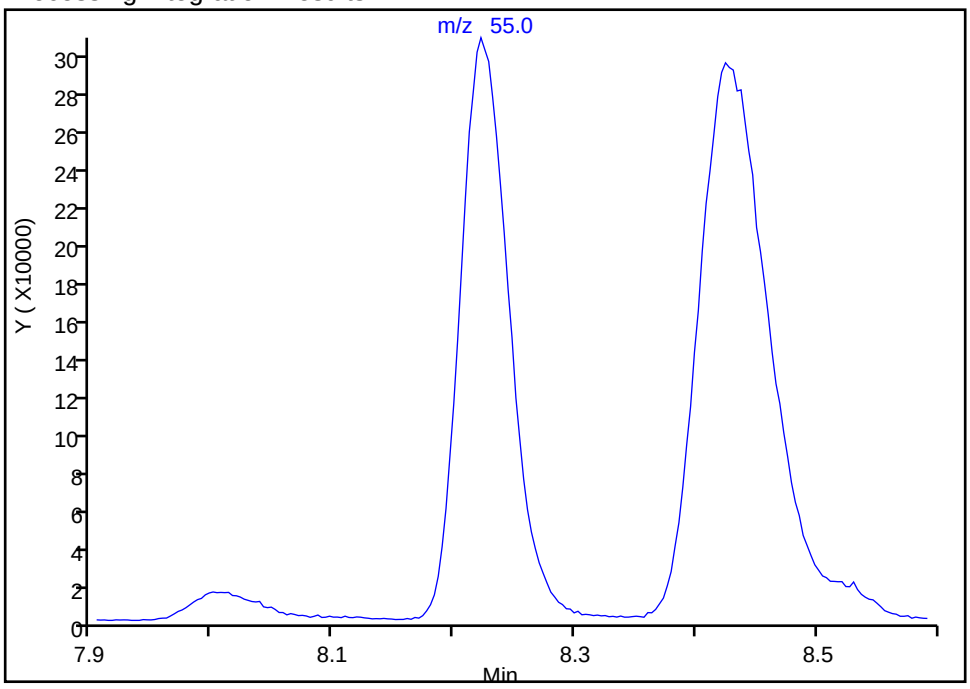
Data File:	\\chromfs\Lancaster\ChromData\9915\20240715-119345.b\LL15X16.D				
Injection Date:	15-Jul-2024 19:34:30	Instrument ID:	9915		
Lims ID:	IC v100				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

67 Ethyl acrylate, CAS: 140-88-5

Signal: 1

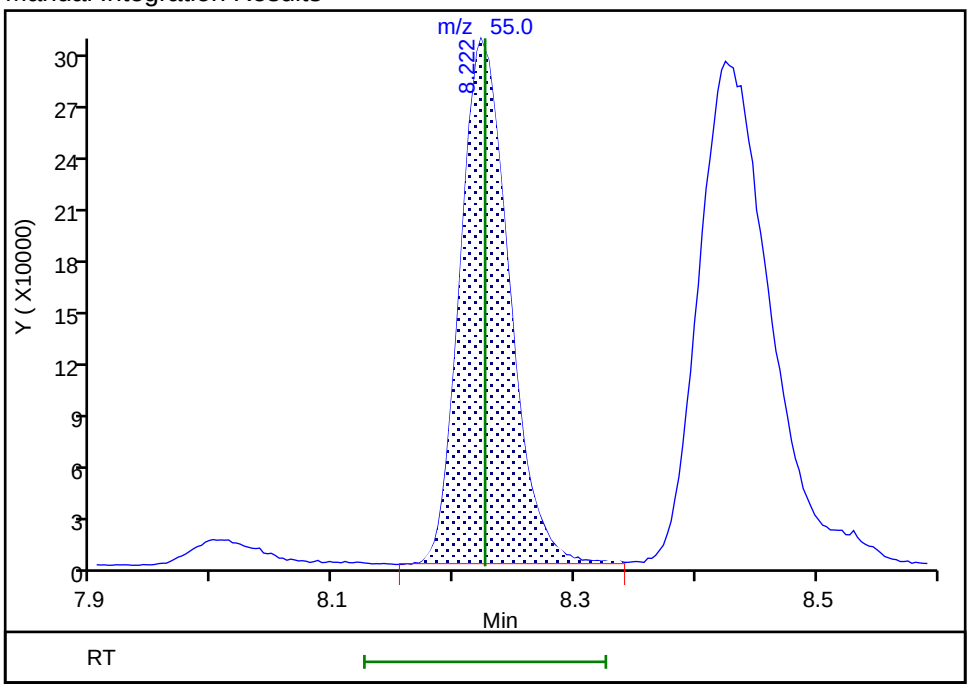
Not Detected
Expected RT: 8.23

Processing Integration Results



Manual Integration Results

RT: 8.22
Area: 874876
Amount: 110.2483
Amount Units: ug/l



Reviewer: DVW2, 16-Jul-2024 08:31:47 -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

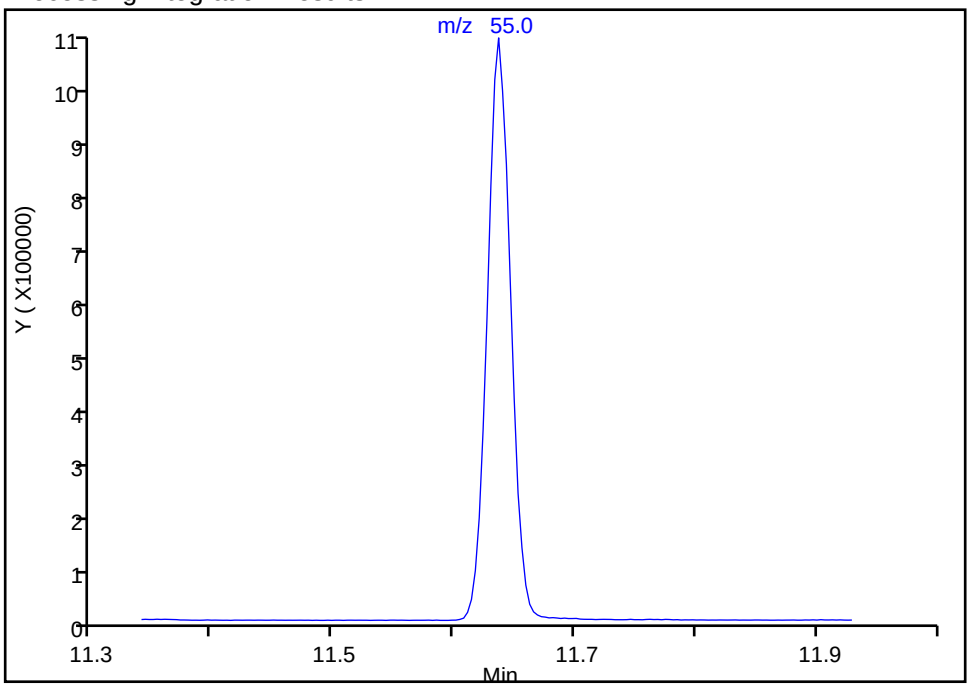
Data File: \\chromfs\Lancaster\ChromData\9915\20240715-119345.b\LL15X16.D
Injection Date: 15-Jul-2024 19:34:30 Instrument ID: 9915
Lims ID: IC v100
Client ID:
Operator ID: knk41612 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

137 n-Butyl acrylate, CAS: 141-32-2

Signal: 1

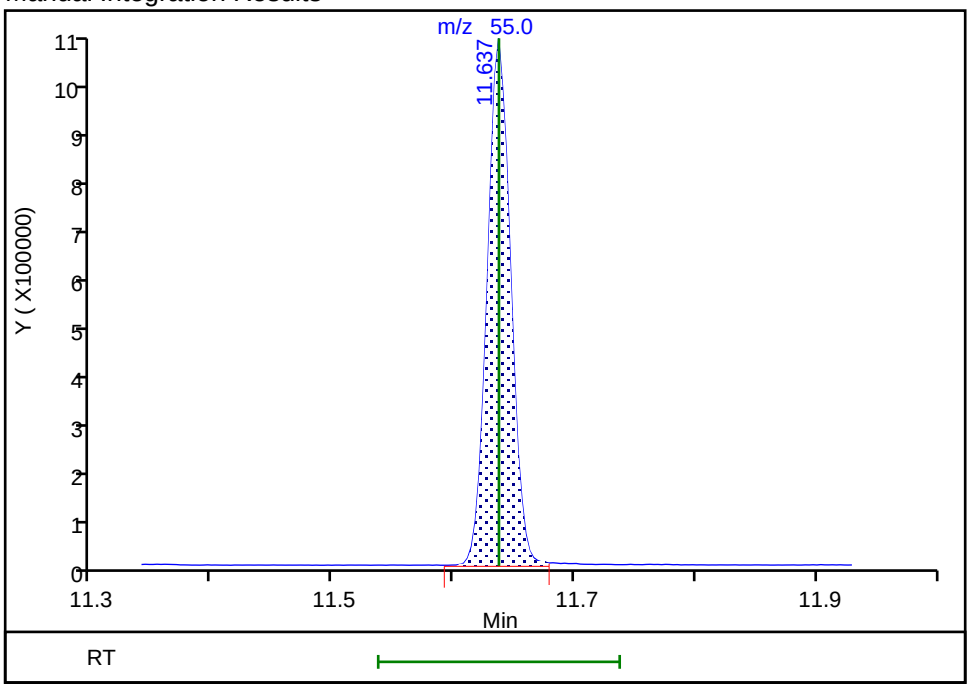
Not Detected
Expected RT: 11.64

Processing Integration Results



Manual Integration Results

RT: 11.64
Area: 1352429
Amount: 101.0243
Amount Units: ug/l



Reviewer: DVW2, 16-Jul-2024 08:31:43 -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

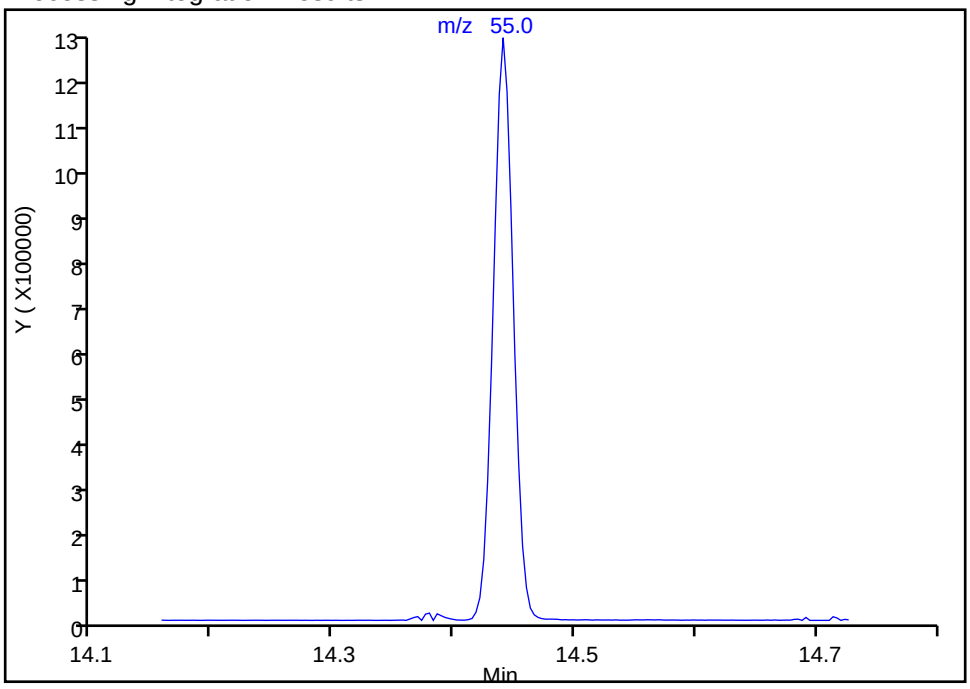
Data File:	\\chromfs\Lancaster\ChromData\9915\20240715-119345.b\LL15X16.D				
Injection Date:	15-Jul-2024 19:34:30	Instrument ID:	9915		
Lims ID:	IC v100				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

173 2-Ethylhexyl acrylate, CAS: 103-11-7

Signal: 1

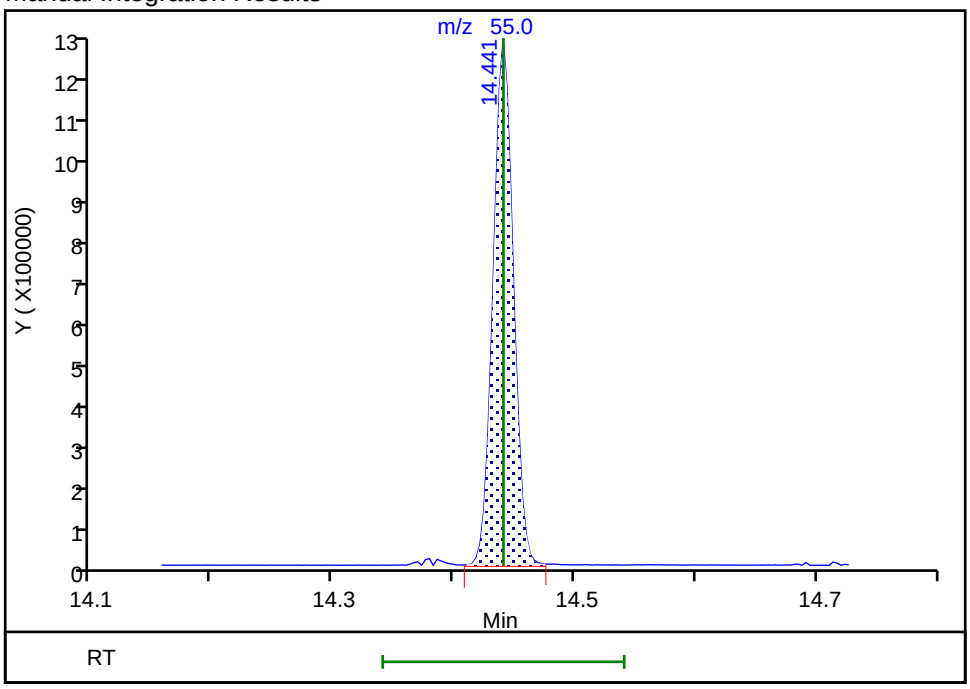
Not Detected
Expected RT: 14.44

Processing Integration Results



Manual Integration Results

RT: 14.44
Area: 1447618
Amount: 112.6373
Amount Units: ug/l



Reviewer: DVW2, 16-Jul-2024 08:31:40 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9915\20240715-119345.b\LL15X17.D
Lims ID: IC v300
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 15-Jul-2024 19:57:30 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0119345-018
Misc. Info.: IC V300
Operator ID: knk41612 Instrument ID: 9915
Sublist: chrom-MSVoa_9915a*sub91

Method: \\chromfs\Lancaster\ChromData\9915\20240715-119345.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 16-Jul-2024 20:47:58 Calib Date: 15-Jul-2024 19:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20240715-119345.b\LL15X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1659

First Level Reviewer: DVW2 Date: 16-Jul-2024 07:58:35

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1	Dichlorodifluoromethane	85	1.946	1.946	0.000	99	3104825	300.0	306.0	
4	Chloromethane	50	2.139	2.142	-0.003	99	3317893	300.0	293.6	
6	Butadiene	39	2.245	2.245	0.000	92	3168315	300.0	292.5	
5	Vinyl chloride	62	2.251	2.255	-0.004	98	3280892	300.0	296.7	
8	Bromomethane	94	2.579	2.589	-0.010	90	2521860	300.0	293.8	
9	Chloroethane	64	2.647	2.653	-0.006	100	1706052	300.0	294.6	
10	Dichlorofluoromethane	67	2.898	2.898	0.000	98	5224737	300.0	293.2	
11	Trichlorofluoromethane	101	2.962	2.975	-0.013	97	4197490	300.0	315.5	
12	Pentane	43	3.000	2.991	0.009	95	3079633	300.0	334.1	
13	Ethyl ether	59	3.164	3.171	-0.007	91	1324330	300.0	304.5	
15	1,2-Dichloro-1,1,2-trifluoroetha	67	3.280	3.284	-0.004	92	2429479	300.0	294.8	
16	Acrolein	56	3.322	3.332	-0.010	99	5268398	3006.5	2988.1	
18	Acetone	58	3.486	3.489	-0.003	100	555009	600.0	665.7	
17	1,1-Dichloroethene	96	3.505	3.512	-0.007	98	1965242	300.0	322.4	
19	1,1,2-Trichloro-1,2,2-trifluoroe	101	3.525	3.528	-0.003	94	2294048	300.0	327.2	
20	Isopropyl alcohol	45	3.653	3.666	-0.013	96	792450	1500.0	1331.6	
21	Iodomethane	142	3.695	3.705	-0.010	98	4065146	300.0	317.1	
22	Carbon disulfide	76	3.804	3.805	-0.001	99	7256276	300.0	324.9	
24	Methyl acetate	43	3.894	3.907	-0.013	97	1508931	300.0	309.2	
25	3-Chloro-1-propene	41	3.930	3.936	-0.006	88	2720710	300.0	319.9	
27	Methylene Chloride	84	4.155	4.145	0.010	93	2262784	300.0	306.4	
* 28	t-Butyl alcohol-d10 (IS)	65	4.197	4.181	0.016	94	307262	250.0	250.0	
29	2-Methyl-2-propanol	59	4.319	4.313	0.006	28	1456373	1500.0	1314.7	M
30	Acrylonitrile	53	4.425	4.438	-0.013	99	2181243	750.0	778.2	
31	trans-1,2-Dichloroethene	96	4.518	4.528	-0.010	99	1738033	300.0	304.4	
32	Methyl tert-butyl ether	73	4.557	4.557	0.000	97	6866164	300.0	308.5	
34	Hexane	57	4.959	4.972	-0.013	93	2197916	300.0	313.3	
35	1,1-Dichloroethane	63	5.184	5.187	-0.003	96	2856943	300.0	309.2	
37	Isopropyl ether	45	5.267	5.271	-0.004	93	6049532	300.0	317.1	
38	2-Chloro-1,3-butadiene	53	5.293	5.300	-0.007	91	2434916	300.0	304.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
39 Tert-butyl ethyl ether	59	5.817	5.808	0.009	99	6390894	300.0	315.0	
40 2-Butanone (MEK)	43	6.000	6.004	-0.004	99	2387696	600.0	657.4	
42 cis-1,2-Dichloroethene	96	6.023	6.030	-0.007	81	1893123	300.0	302.6	
43 2,2-Dichloropropane	77	6.065	6.058	0.007	89	3354009	300.0	318.3	
45 Propionitrile	54	6.078	6.081	-0.003	95	1939635	1500.0	1567.5	
46 Methyl acrylate	55	6.132	6.139	-0.007	100	2287661	300.0	321.6	a
S 41 1,2-Dichloroethene, Total	100				0			607.1	
47 Methacrylonitrile	67	6.296	6.296	0.000	92	2333074	750.0	789.9	
48 Chlorobromomethane	128	6.360	6.354	0.006	91	977508	300.0	297.6	
49 Tetrahydrofuran	71	6.373	6.380	-0.007	91	1632440	1500.0	1476.7	
50 Chloroform	83	6.508	6.515	-0.007	93	2941735	300.0	284.0	
$ 51 Dibromofluoromethane (Surr)	113	6.727	6.730	-0.003	44	285566	50.0	49.0	
52 1,1,1-Trichloroethane	97	6.759	6.759	0.000	97	3449494	300.0	325.2	
53 Cyclohexane	56	6.862	6.862	0.000	90	3908236	300.0	331.8	
55 1,1-Dichloropropene	75	6.958	6.959	-0.001	95	2254741	300.0	303.0	
54 Carbon tetrachloride	117	6.968	6.965	0.003	86	2868878	300.0	338.8	
56 Isobutyl alcohol	41	7.122	7.126	-0.004	97	1419268	3750.0	3621.9	
$ 57 1,2-Dichloroethane-d4 (Surr)	102	7.184	7.187	-0.003	89	70757	50.0	50.3	
58 Benzene	78	7.219	7.222	-0.003	96	7063773	300.0	306.6	
59 1,2-Dichloroethane	62	7.290	7.293	-0.003	98	2389305	300.0	306.6	
61 Tert-amyl methyl ether	73	7.431	7.428	0.003	98	6455996	300.0	325.7	
* 62 Fluorobenzene (IS)	96	7.627	7.631	-0.004	99	1161340	50.0	50.0	
63 n-Heptane	43	7.650	7.653	-0.003	92	2349596	300.0	314.3	
65 n-Butanol	56	8.010	8.010	0.000	89	1117949	3750.0	4212.9	
66 Trichloroethene	95	8.113	8.110	0.003	99	1903027	300.0	318.5	
67 Ethyl acrylate	55	8.229	8.226	0.003	99	2691891	299.9	331.7	a
68 Methylcyclohexane	83	8.431	8.425	0.006	90	4117500	300.0	350.8	
69 1,2-Dichloropropane	63	8.441	8.438	0.003	94	1840646	300.0	322.3	
70 2-ethoxy-2-methyl butane	87	8.466	8.460	0.006	92	3234061	300.0	344.0	
71 Methyl methacrylate	69	8.531	8.528	0.003	90	1634112	300.0	337.4	
72 1,4-Dioxane	88	8.528	8.531	-0.003	71	335751	3750.0	3992.5	M
73 Dibromomethane	93	8.550	8.547	0.003	97	1328668	300.0	317.9	
75 Dichlorobromomethane	83	8.788	8.788	0.000	100	2456917	300.0	339.4	
76 2-Nitropropane	41	9.058	9.052	0.006	98	3513730	1500.0	1638.0	
77 2-Chloroethyl vinyl ether	63	9.155	9.155	0.000	92	741899	300.0	347.2	
78 cis-1,3-Dichloropropene	75	9.344	9.345	0.000	96	3100688	300.0	346.7	
79 4-Methyl-2-pentanone (MIBK)	43	9.521	9.521	0.000	97	5298669	600.0	619.6	
$ 80 Toluene-d8 (Surr)	98	9.659	9.660	-0.001	94	1235181	50.0	48.6	
81 Toluene	92	9.737	9.737	0.000	98	4823702	300.0	304.9	
120 trans-1,3-Dichloropropene	75	9.994	9.994	0.000	93	2878015	300.0	328.8	
S 119 1,3-Dichloropropene, Total	100				0			675.5	
121 Ethyl methacrylate	69	10.061	10.062	-0.001	89	3035081	300.0	306.4	
122 1,1,2-Trichloroethane	97	10.200	10.200	0.000	91	1792328	300.0	305.8	
123 Tetrachloroethene	166	10.296	10.293	0.003	98	2038547	300.0	305.0	
124 1,3-Dichloropropane	76	10.364	10.361	0.003	92	2888357	300.0	309.4	
125 2-Hexanone	43	10.421	10.418	0.003	96	3492155	600.0	583.9	
128 Chlorodibromomethane	129	10.579	10.579	0.000	90	2119584	300.0	341.5	
129 Ethylene Dibromide	107	10.688	10.689	0.000	99	1965806	300.0	312.3	
* 130 Chlorobenzene-d5 (IS)	117	11.129	11.129	0.000	85	1004140	50.0	50.0	
132 1-Chlorohexane	91	11.142	11.139	0.003	97	2530582	300.0	288.9	
133 Chlorobenzene	112	11.154	11.155	-0.001	95	5462636	300.0	311.1	
134 1,1,1,2-Tetrachloroethane	131	11.238	11.235	0.003	97	2292781	300.0	320.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
135 Ethylbenzene	91	11.244	11.242	0.002	98	9777025	300.0	302.4	
S 131 Xylenes, Total	106				0			910.7	
136 m-Xylene & p-Xylene	106	11.360	11.357	0.003	99	7669445	600.0	608.0	
137 n-Butyl acrylate	55	11.637	11.637	0.000	97	4226999	300.0	288.5	a
138 o-Xylene	106	11.688	11.688	0.000	97	4118269	300.0	302.7	
139 Styrene	104	11.704	11.701	0.003	94	6361522	300.0	309.6	
140 Bromoform	173	11.855	11.856	-0.001	97	1566057	300.0	343.4	
142 Isopropylbenzene	105	11.990	11.991	-0.001	96	10394611	300.0	303.6	
141 Cyclohexanone	55	12.061	12.061	0.000	93	1576425	3750.2	3976.7	
$ 143 4-Bromofluorobenzene (Surr)	95	12.132	12.132	0.000	90	483656	50.0	48.1	
145 1,1,2,2-Tetrachloroethane	83	12.235	12.232	0.003	94	3160390	300.0	309.8	
146 Bromobenzene	156	12.248	12.248	0.000	97	2467435	300.0	318.4	
147 trans-1,4-Dichloro-2-butene	53	12.257	12.258	-0.001	90	2089240	750.0	796.6	
148 1,2,3-Trichloropropane	110	12.277	12.280	-0.003	84	912986	300.0	300.0	
149 N-Propylbenzene	91	12.322	12.319	0.003	99	11696571	300.0	307.4	
150 2-Chlorotoluene	126	12.396	12.396	0.000	97	2535132	300.0	320.1	
151 1,3,5-Trimethylbenzene	105	12.457	12.457	0.000	94	9831178	300.0	327.1	
153 4-Chlorotoluene	126	12.486	12.486	0.000	97	2401971	300.0	315.5	
154 tert-Butylbenzene	134	12.698	12.698	0.000	93	1905449	300.0	345.7	
156 1,2,4-Trimethylbenzene	105	12.740	12.740	0.000	98	9817317	300.0	322.2	
157 sec-Butylbenzene	105	12.862	12.862	0.000	95	12218165	300.0	323.4	e
158 1,3-Dichlorobenzene	146	12.958	12.959	0.000	98	4764575	300.0	309.2	
159 4-Isopropyltoluene	119	12.971	12.968	0.003	97	10877945	300.0	326.5	
* 160 1,4-Dichlorobenzene-d4	152	13.016	13.013	0.003	90	558736	50.0	50.0	
161 1,4-Dichlorobenzene	146	13.032	13.029	0.003	96	4783217	300.0	304.7	
162 1,2,3-Trimethylbenzene	105	13.045	13.045	0.000	98	10696073	300.0	325.3	
163 Benzyl chloride	91	13.109	13.106	0.003	98	6563849	300.0	329.6	
164 1,3-Diethylbenzene	119	13.170	13.171	-0.001	95	6289216	300.0	321.9	
165 p-Diethylbenzene	119	13.241	13.241	0.000	93	6445406	300.0	315.8	
166 n-Butylbenzene	92	13.260	13.261	-0.001	98	5183490	300.0	318.0	
167 1,2-Dichlorobenzene	146	13.293	13.293	0.000	98	5037864	300.0	306.1	
168 o-diethylbenzene	119	13.315	13.312	0.003	96	5503267	300.0	336.3	
170 1,2-Dibromo-3-Chloropropane	75	13.830	13.827	0.003	93	852085	300.0	319.6	
171 1,3,5-Trichlorobenzene	180	13.961	13.958	0.003	98	4210244	300.0	317.5	
172 1,2,4-Trichlorobenzene	180	14.383	14.383	0.000	94	4104424	300.0	306.4	
173 2-Ethylhexyl acrylate	55	14.441	14.441	-0.001	81	4297754	300.0	301.3	a
174 Hexachlorobutadiene	225	14.469	14.466	0.003	98	1671348	300.0	339.6	
175 Naphthalene	128	14.559	14.563	-0.004	98	12820653	300.0	276.6	e
176 1,2,3-Trichlorobenzene	180	14.704	14.704	0.000	96	4096443	300.0	292.3	
177 2-Methylnaphthalene	142	15.322	15.319	0.003	92	7677447	300.0	280.8	
S 188 Total Diethylbenzene	1				0			974.1	

QC Flag Legend

Processing Flags

e - Potential Peak Saturated

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_CCV_VOC#1_00192	Amount Added:	15.00	Units: uL	
MSV_CCV_CYC_00009	Amount Added:	30.00	Units: uL	
MSV_CCV_VOC#3_00188	Amount Added:	12.00	Units: uL	
MSV_CCV_2CEVE_00184	Amount Added:	15.00	Units: uL	
MSV_CCV_GASES_00819	Amount Added:	7.50	Units: uL	
MSV_CCV_EE_00007	Amount Added:	15.00	Units: uL	
MSV_CCV_OH_Sp_00012	Amount Added:	15.00	Units: uL	
MSV_HP23_ISSS_00014	Amount Added:	1.00	Units: uL	Run Reagent

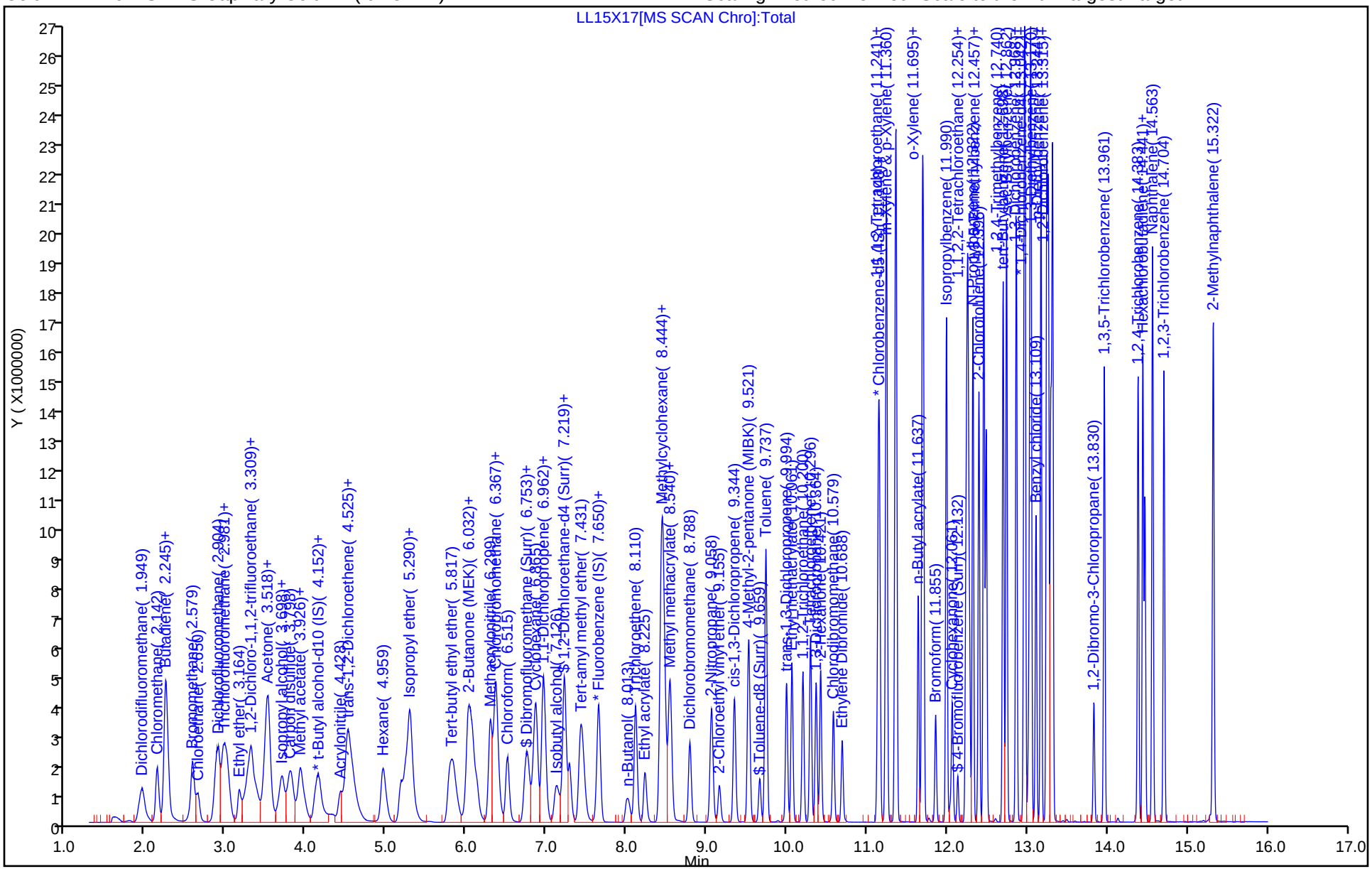
Report Date: 16-Jul-2024 20:47:59 Chrom Revision: 2.3 26-Jun-2024 16:13:32

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9915\20240715-119345.b\LL15X17.D

Injection Date:	15-Jul-2024 19:57:30	Instrument ID:	9915	Operator ID:	knk41612
Lims ID:	IC v300			Worklist Smp#:	18
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	MSVoa_9915a	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

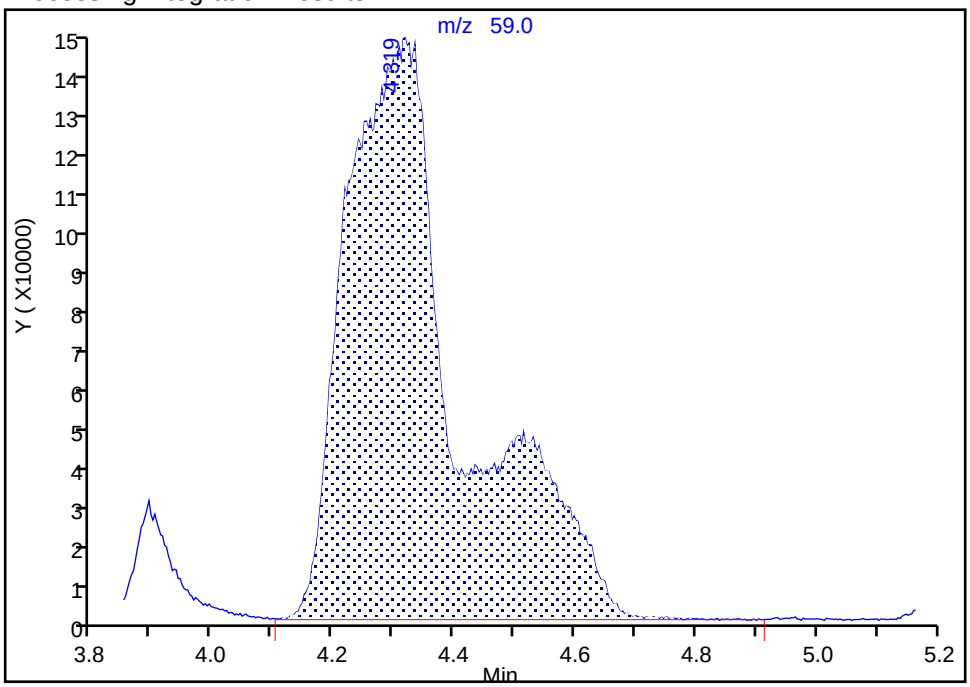
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Injection Date: 15-Jul-2024 19:57:30 Instrument ID: 9915
Lims ID: IC v300
Client ID:
Operator ID: knk41612 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

29 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

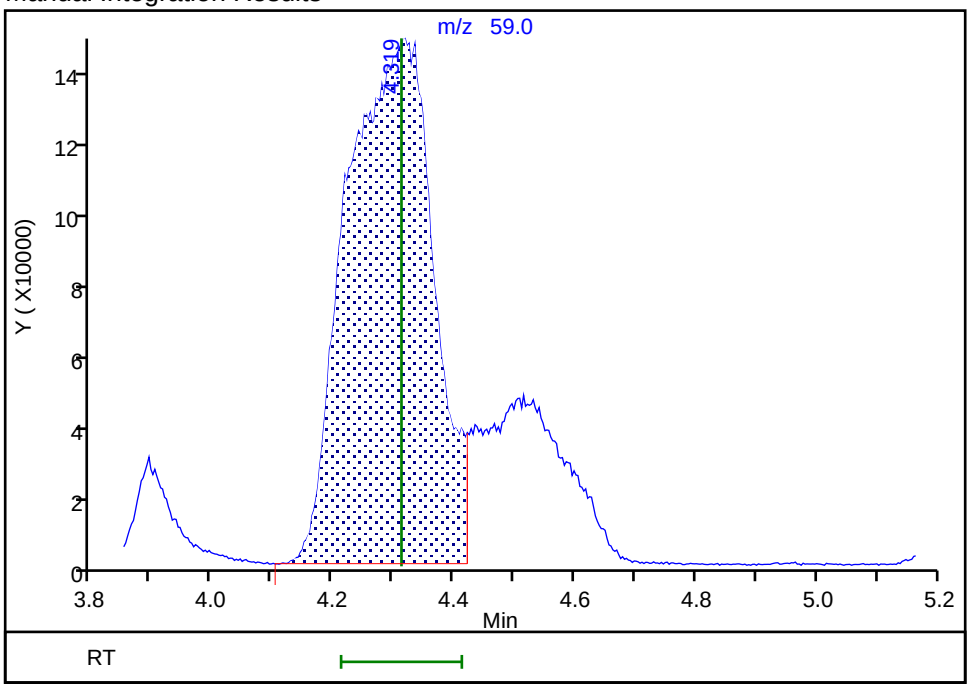
Processing Integration Results

RT: 4.32
Area: 1920352
Amount: 1667.0835
Amount Units: ug/l



Manual Integration Results

RT: 4.32
Area: 1456373
Amount: 1314.7310
Amount Units: ug/l



Reviewer: DVW2, 16-Jul-2024 07:57:55 -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

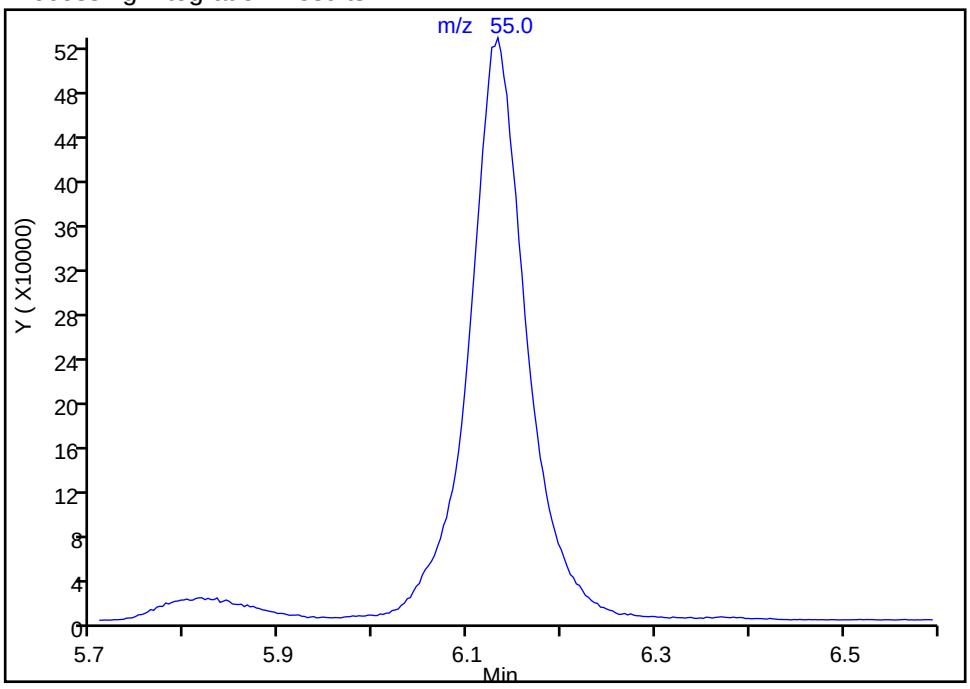
Data File: \\chromfs\Lancaster\ChromData\9915\20240715-119345.b\LL15X17.D
Injection Date: 15-Jul-2024 19:57:30 Instrument ID: 9915
Lims ID: IC v300
Client ID:
Operator ID: knk41612 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

46 Methyl acrylate, CAS: 96-33-3

Signal: 1

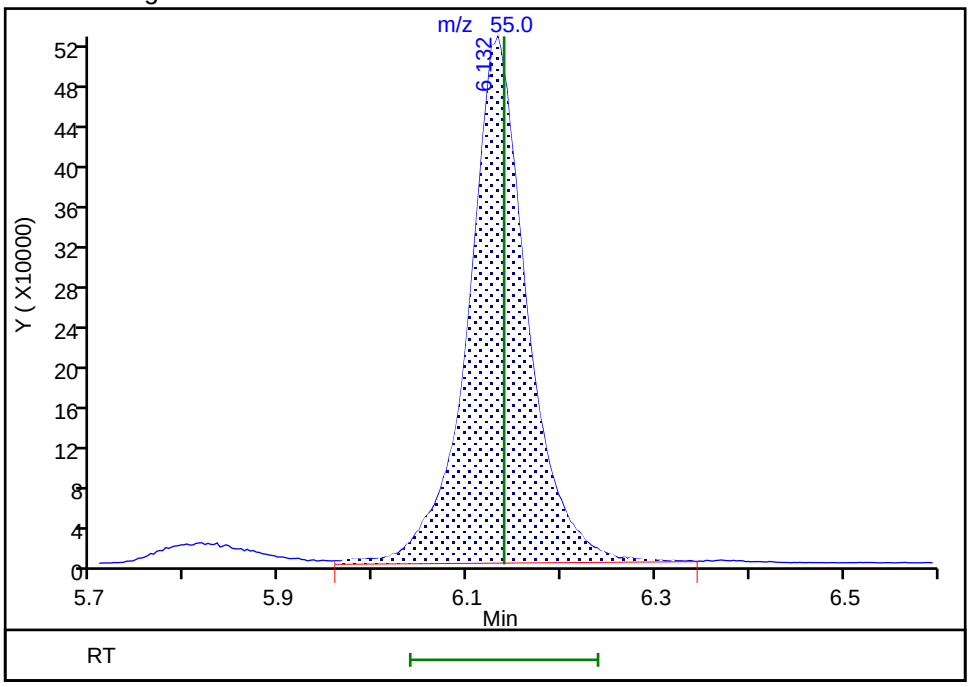
Not Detected
Expected RT: 6.14

Processing Integration Results



Manual Integration Results

RT: 6.13
Area: 2287661
Amount: 321.5845
Amount Units: ug/l



Reviewer: DVW2, 16-Jul-2024 08:32:00 -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

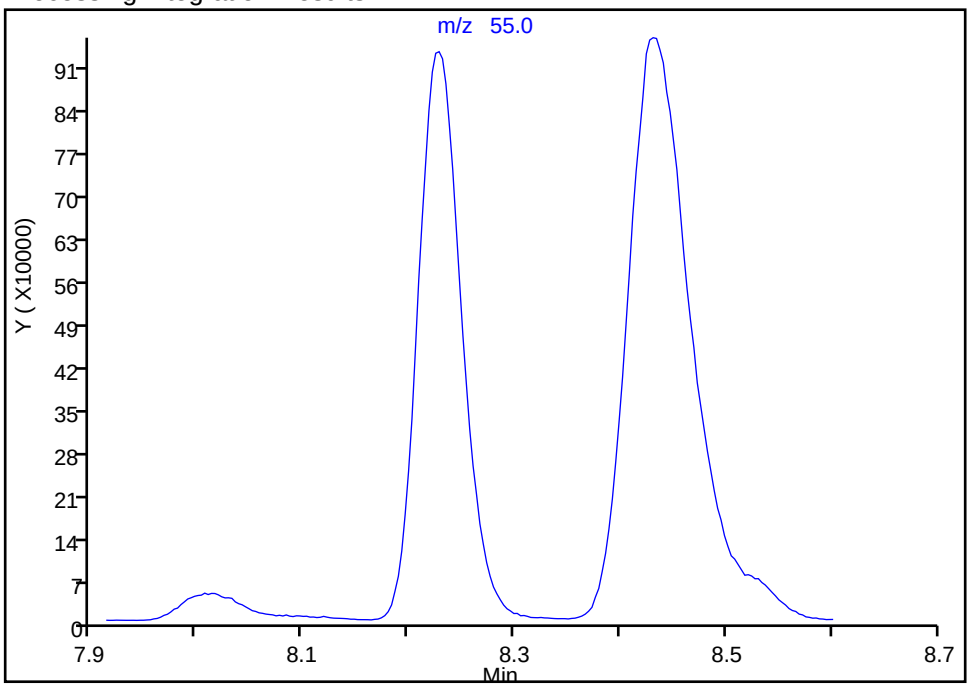
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Injection Date:	15-Jul-2024 19:57:30	Instrument ID:	9915		
Lims ID:	IC v300				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

67 Ethyl acrylate, CAS: 140-88-5

Signal: 1

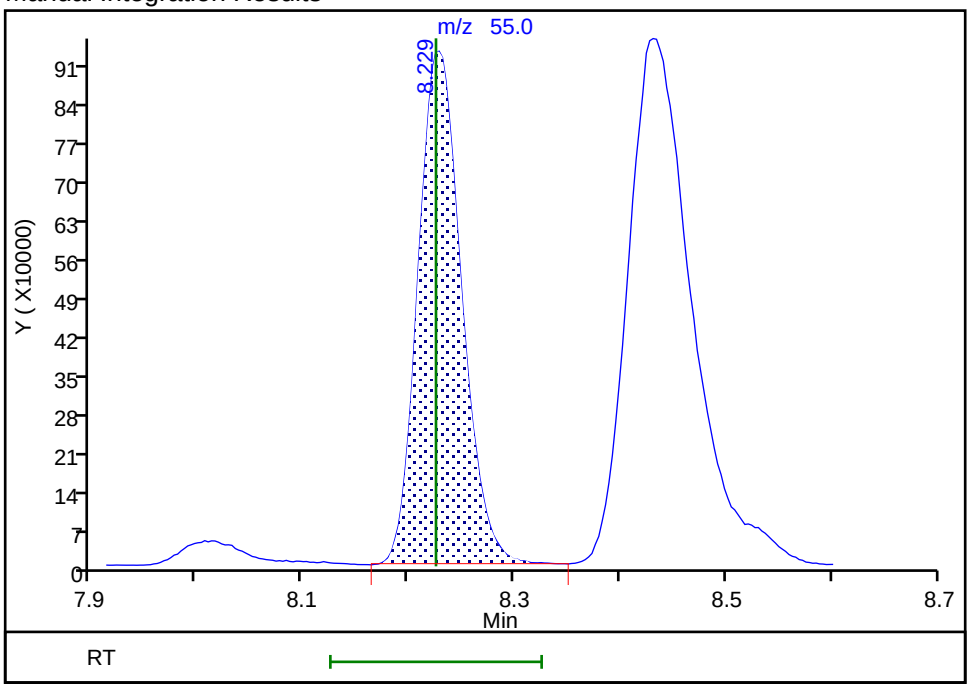
Not Detected
Expected RT: 8.23

Processing Integration Results



Manual Integration Results

RT: 8.23
Area: 2691891
Amount: 331.6919
Amount Units: ug/l



Reviewer: DVW2, 16-Jul-2024 08:32:03 -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

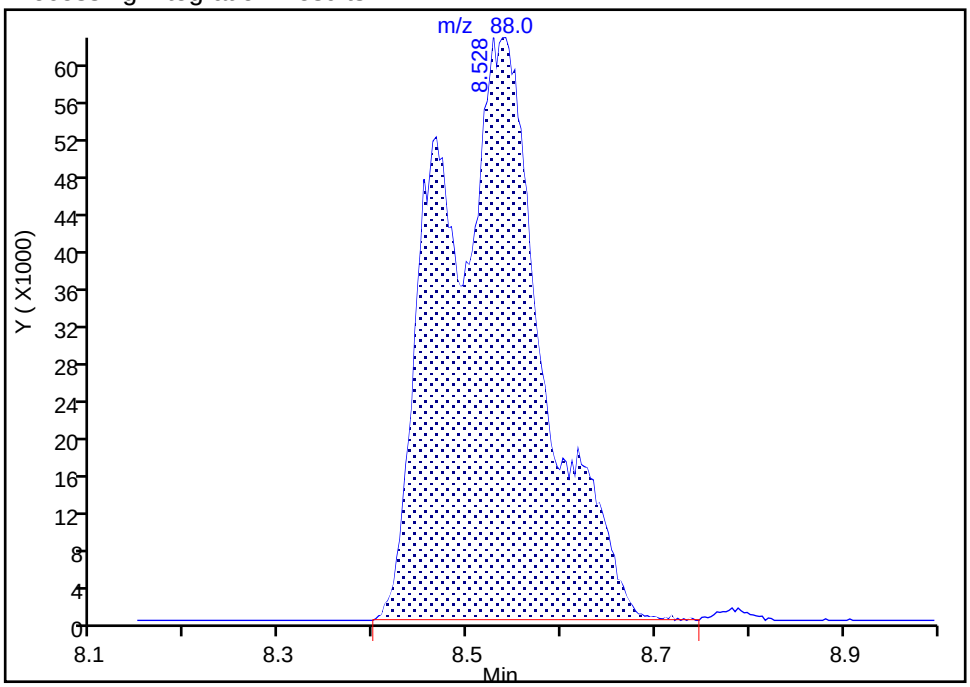
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Injection Date: 15-Jul-2024 19:57:30 Instrument ID: 9915
Lims ID: IC v300
Client ID:
Operator ID: knk41612 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

72 1,4-Dioxane, CAS: 123-91-1

Signal: 1

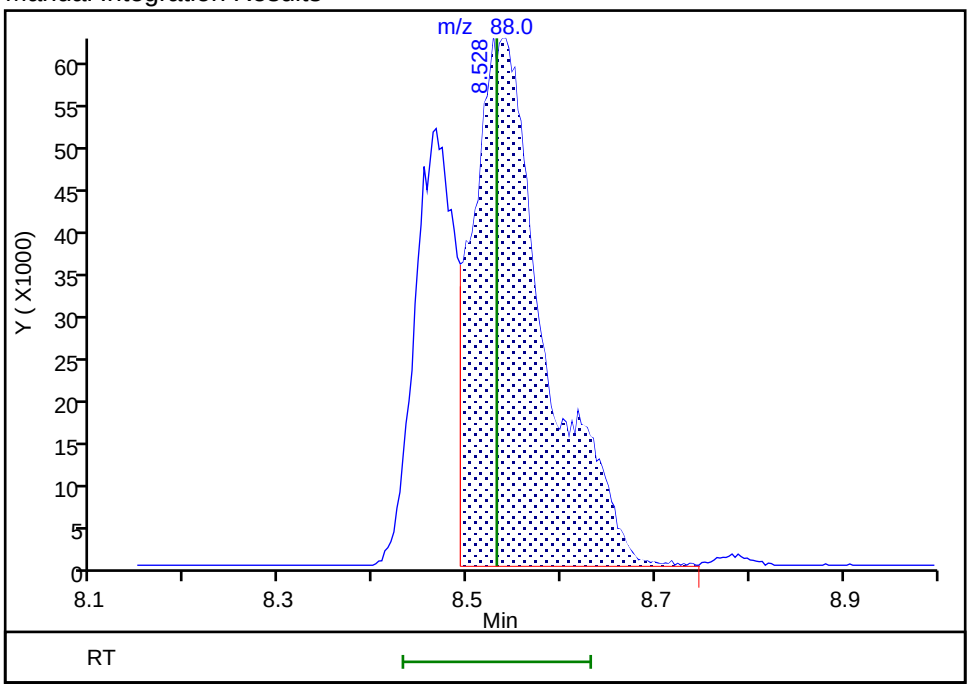
Processing Integration Results

RT: 8.53
Area: 481975
Amount: 5375.2612
Amount Units: ug/l



Manual Integration Results

RT: 8.53
Area: 335751
Amount: 3992.5217
Amount Units: ug/l



Reviewer: DVW2, 16-Jul-2024 07:58:14 -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

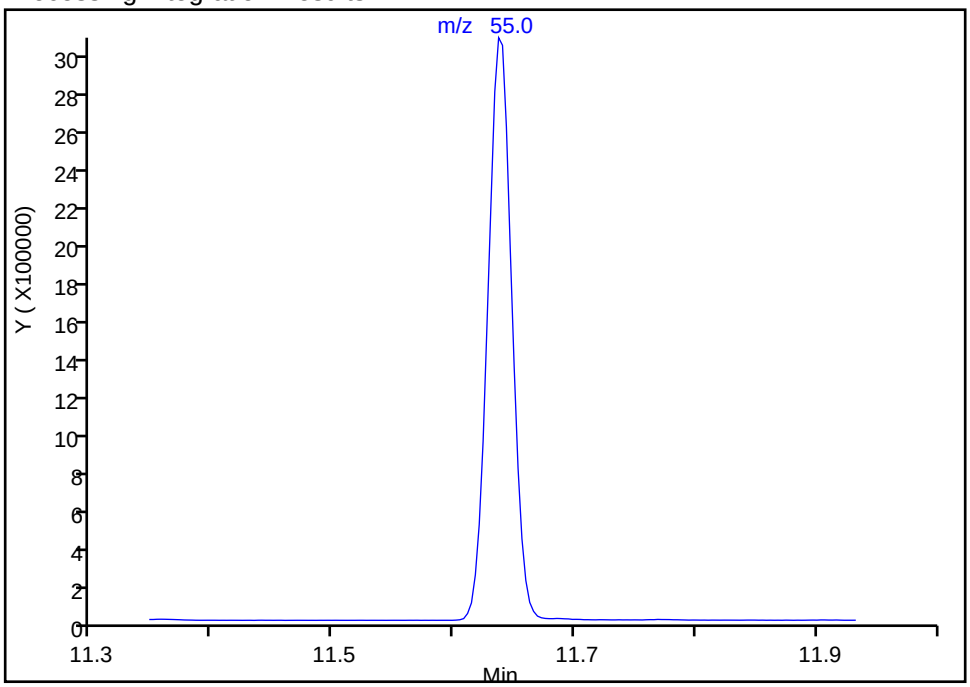
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Injection Date: 15-Jul-2024 19:57:30 Instrument ID: 9915
Lims ID: IC v300
Client ID:
Operator ID: knk41612 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

137 n-Butyl acrylate, CAS: 141-32-2

Signal: 1

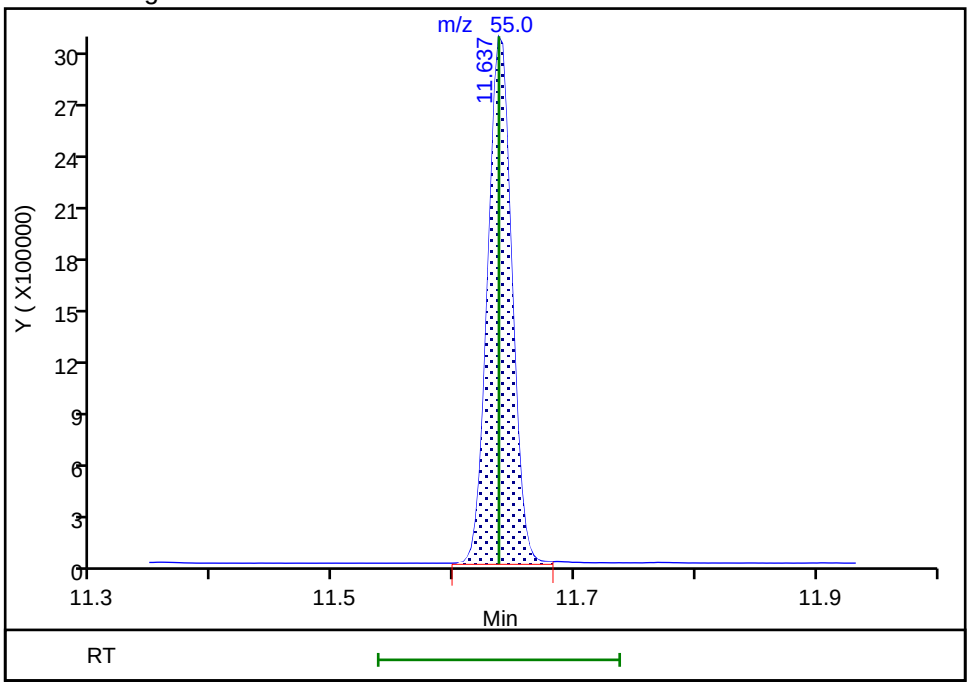
Not Detected
Expected RT: 11.64

Processing Integration Results



Manual Integration Results

RT: 11.64
Area: 4226999
Amount: 288.5325
Amount Units: ug/l



Reviewer: DVW2, 16-Jul-2024 08:32:07 -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

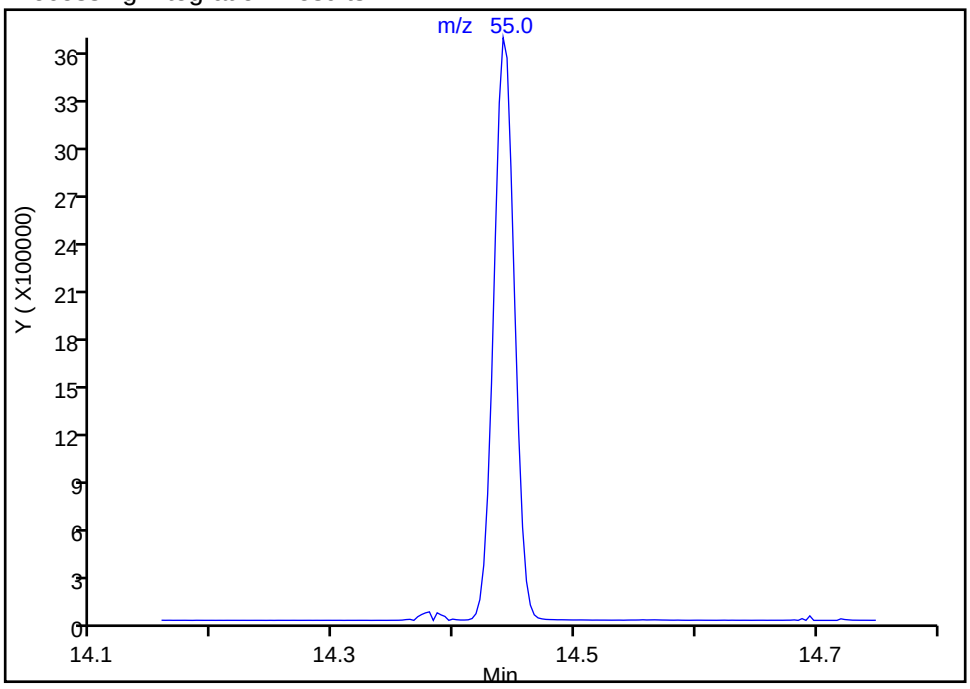
Data File: \\chromfs\Lancaster\ChromData\9915\20240715-119345.b\LL15X17.D
Injection Date: 15-Jul-2024 19:57:30 Instrument ID: 9915
Lims ID: IC v300
Client ID:
Operator ID: knk41612 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

173 2-Ethylhexyl acrylate, CAS: 103-11-7

Signal: 1

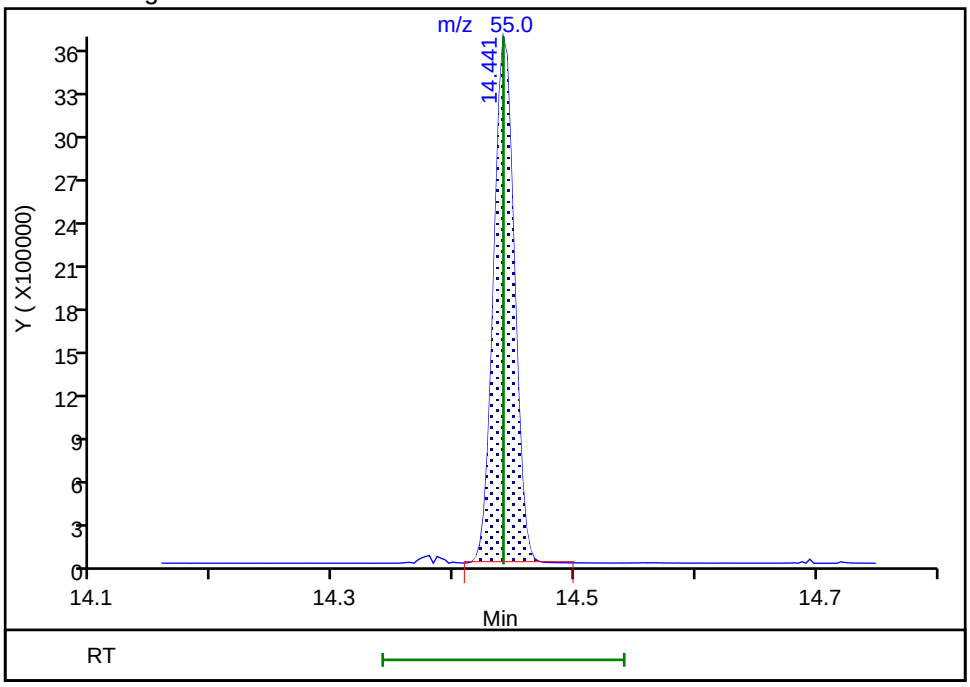
Not Detected
Expected RT: 14.44

Processing Integration Results



Manual Integration Results

RT: 14.44
Area: 4297754
Amount: 301.3010
Amount Units: ug/l



Reviewer: DVW2, 16-Jul-2024 08:32:10 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Calibration / Dichlorodifluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

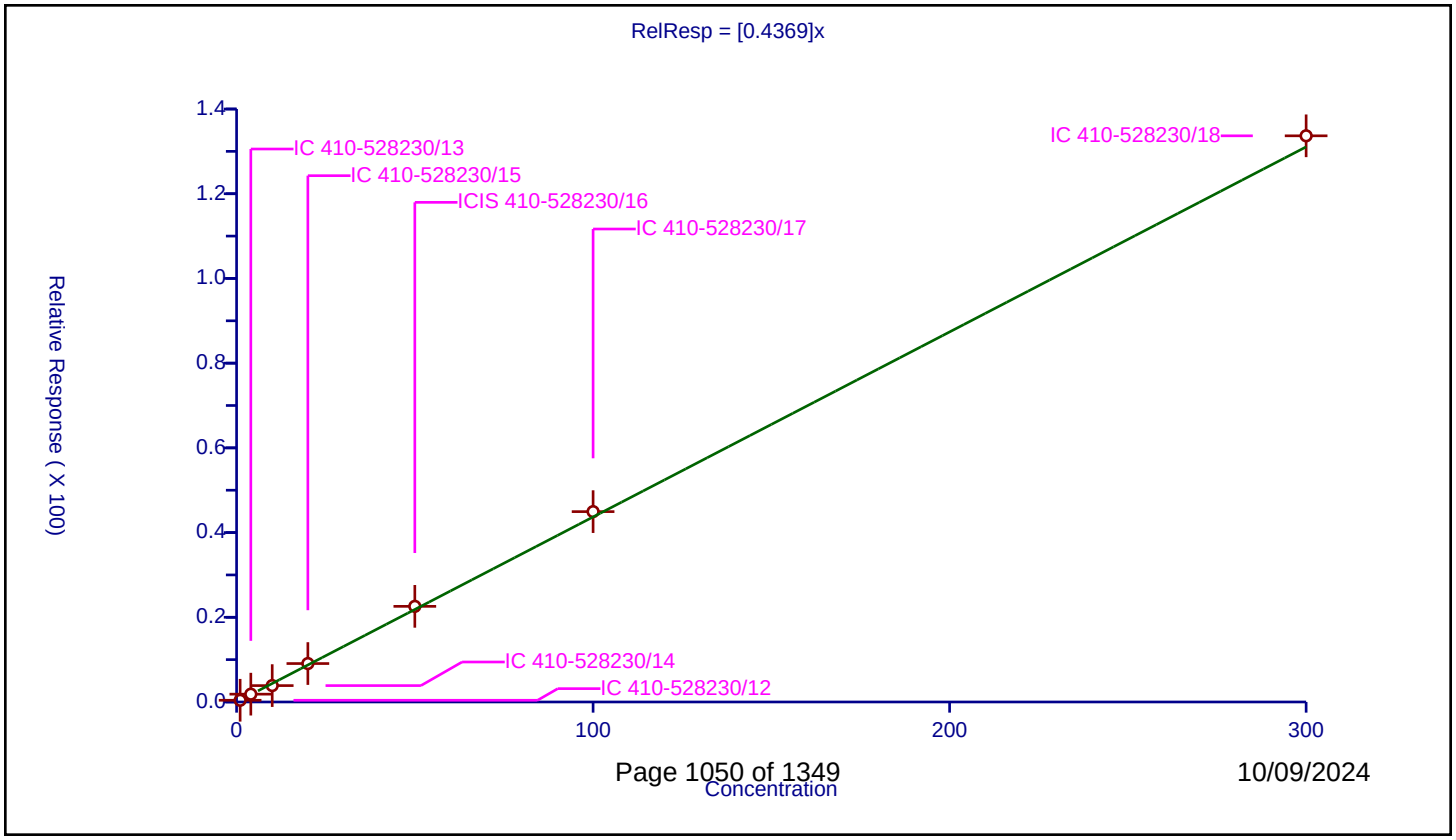
Curve Coefficients

Intercept:	0
Slope:	0.4369

Error Coefficients

Relative Standard Deviation:	6.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	1.0	0.409111	50.0	1134043.0	0.409111	Y
2	IC 410-528230/13	4.0	1.844801	50.0	1142427.0	0.4612	Y
3	IC 410-528230/14	10.0	3.871715	50.0	1120550.0	0.387171	Y
4	IC 410-528230/15	20.0	9.076923	50.0	1130350.0	0.453846	Y
5	ICIS 410-528230/16	50.0	22.582016	50.0	1137735.0	0.45164	Y
6	IC 410-528230/17	100.0	44.944094	50.0	1135563.0	0.449441	Y
7	IC 410-528230/18	300.0	133.674247	50.0	1161340.0	0.445581	Y



Calibration / Chloromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

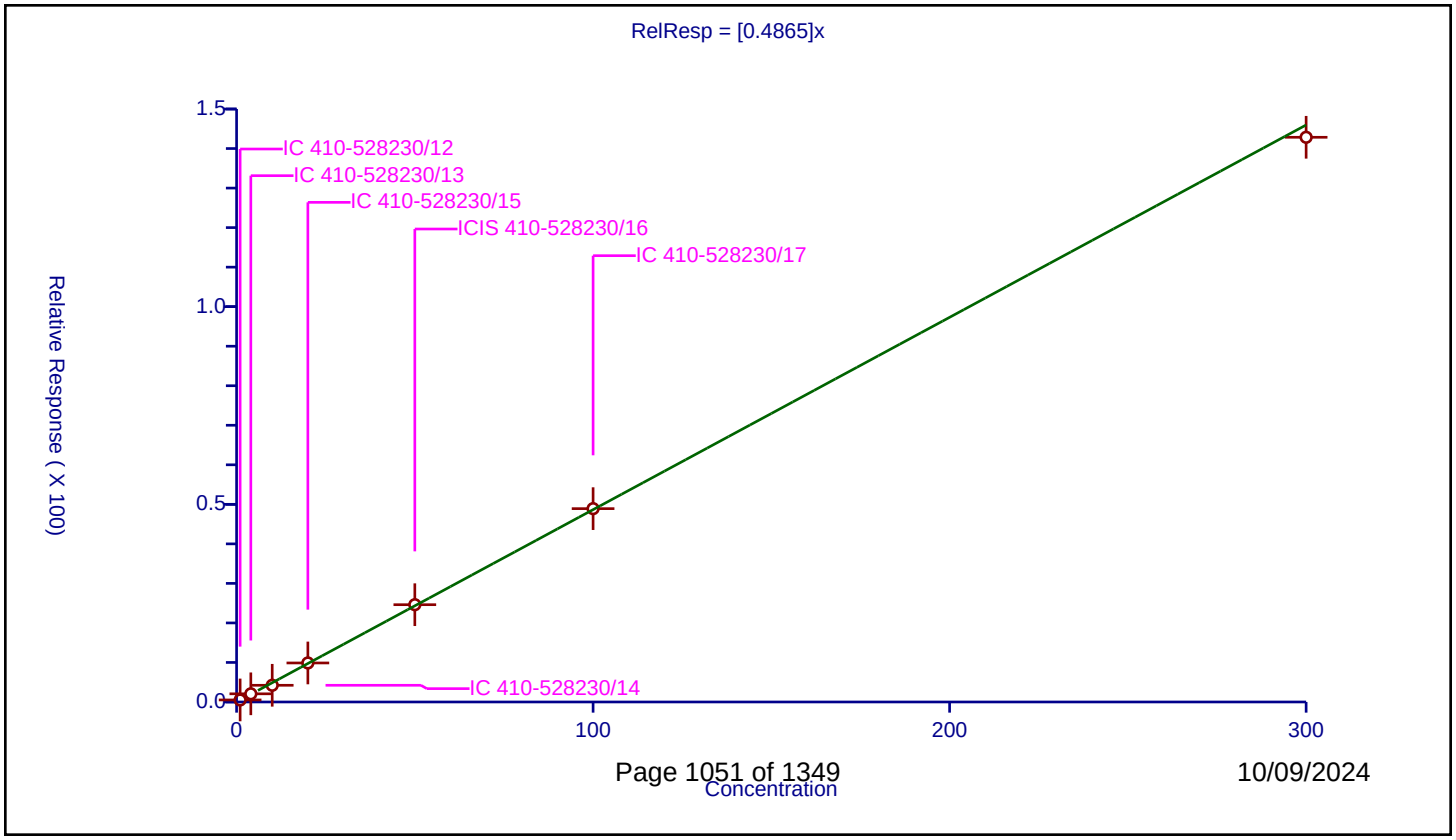
Curve Coefficients

Intercept:	0
Slope:	0.4865

Error Coefficients

Relative Standard Deviation:	6.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	1.0	0.514972	50.0	1134043.0	0.514972	Y
2	IC 410-528230/13	4.0	2.067003	50.0	1142427.0	0.516751	Y
3	IC 410-528230/14	10.0	4.229352	50.0	1120550.0	0.422935	Y
4	IC 410-528230/15	20.0	9.872783	50.0	1130350.0	0.493639	Y
5	ICIS 410-528230/16	50.0	24.61241	50.0	1137735.0	0.492248	Y
6	IC 410-528230/17	100.0	48.907194	50.0	1135563.0	0.489072	Y
7	IC 410-528230/18	300.0	142.847616	50.0	1161340.0	0.476159	Y



Calibration / Butadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

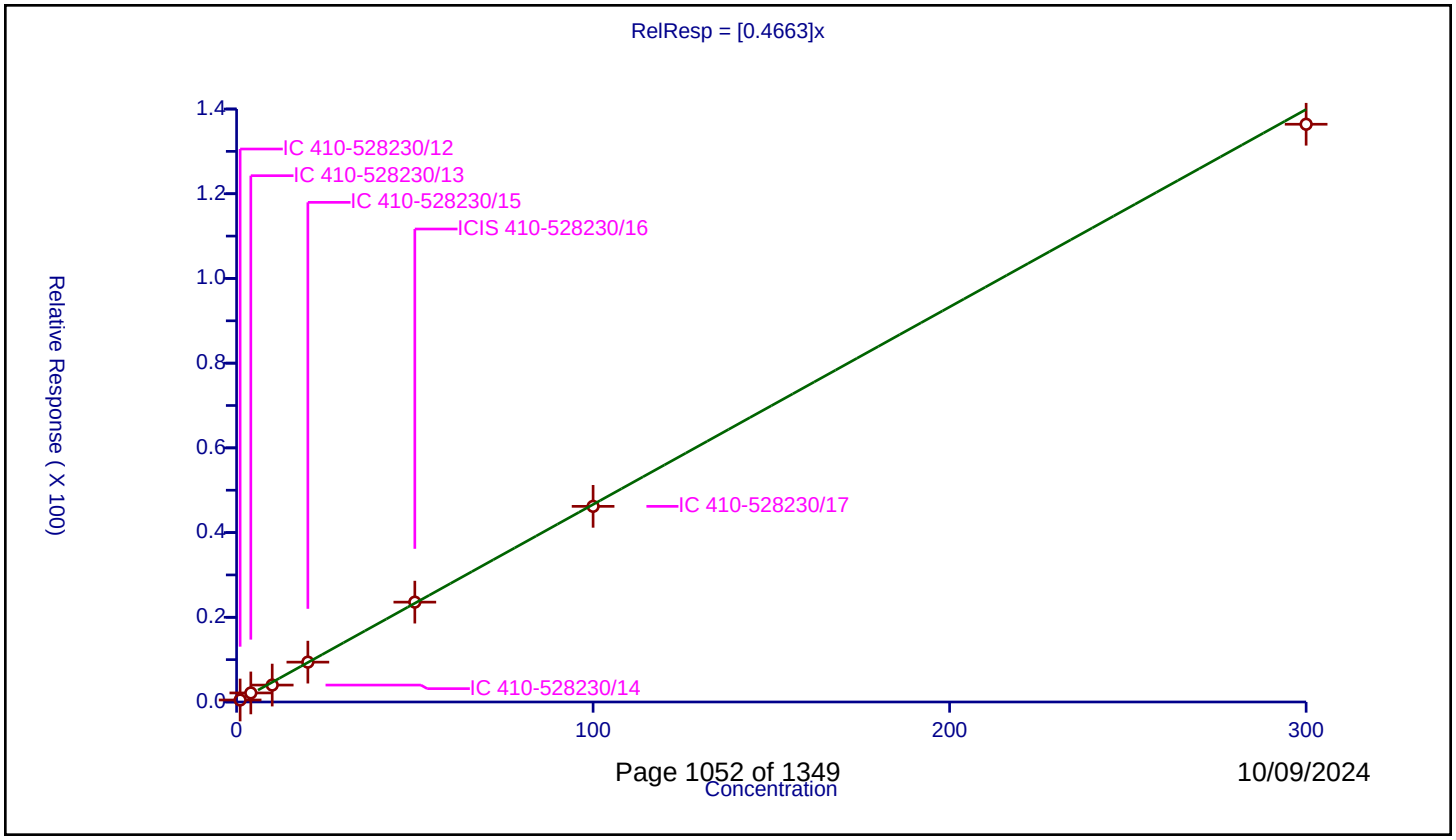
Curve Coefficients

Intercept:	0
Slope:	0.4663

Error Coefficients

Relative Standard Deviation:	8.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	1.0	0.471896	50.0	1134043.0	0.471896	Y
2	IC 410-528230/13	4.0	2.138474	50.0	1142427.0	0.534618	Y
3	IC 410-528230/14	10.0	3.993485	50.0	1120550.0	0.399349	Y
4	IC 410-528230/15	20.0	9.408281	50.0	1130350.0	0.470414	Y
5	ICIS 410-528230/16	50.0	23.576975	50.0	1137735.0	0.47154	Y
6	IC 410-528230/17	100.0	46.189511	50.0	1135563.0	0.461895	Y
7	IC 410-528230/18	300.0	136.407727	50.0	1161340.0	0.454692	Y



Calibration / Vinyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

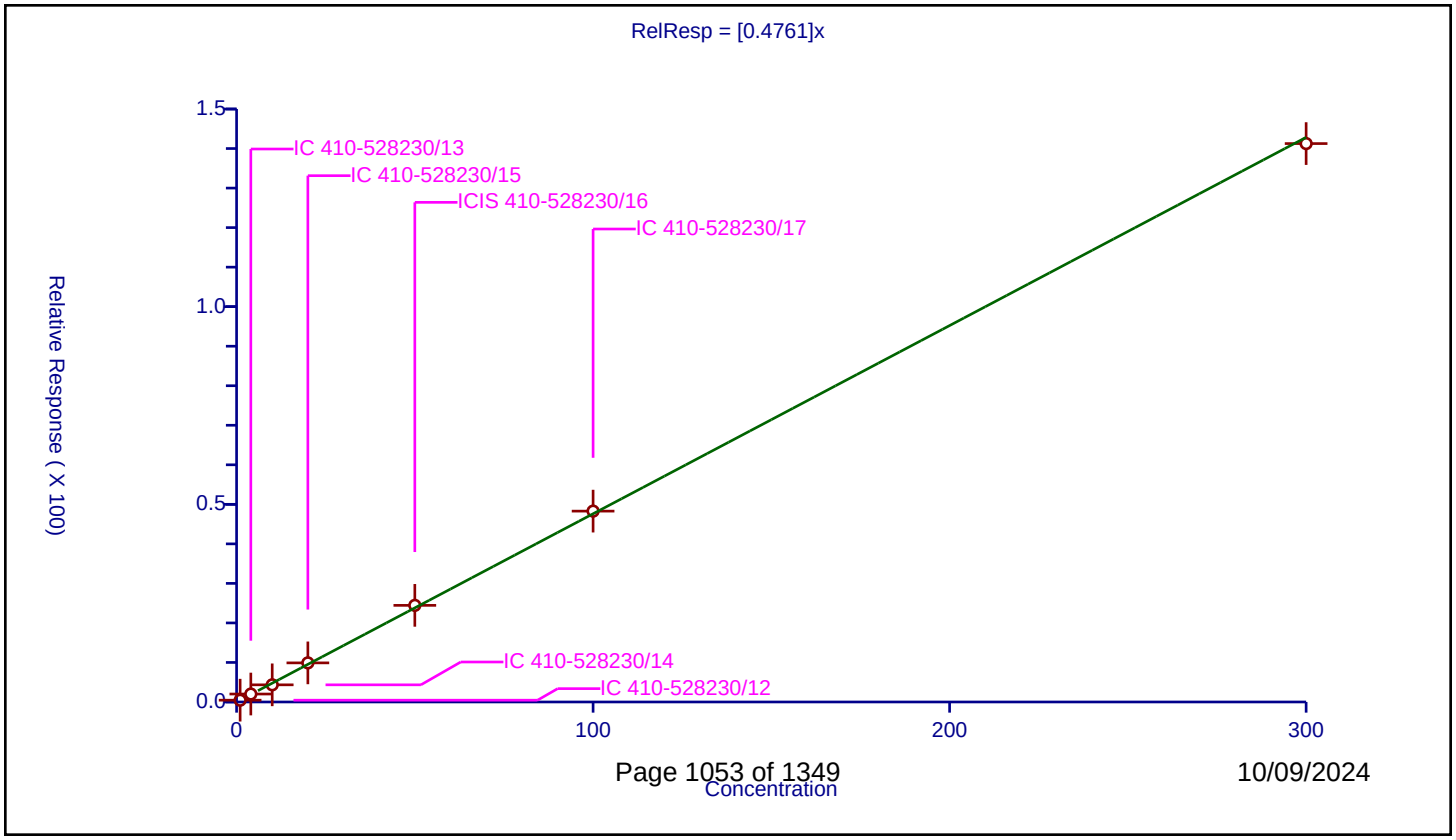
Curve Coefficients

Intercept:	0
Slope:	0.4761

Error Coefficients

Relative Standard Deviation:	5.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	1.0	0.458007	50.0	1134043.0	0.458007	Y
2	IC 410-528230/13	4.0	2.013608	50.0	1142427.0	0.503402	Y
3	IC 410-528230/14	10.0	4.340547	50.0	1120550.0	0.434055	Y
4	IC 410-528230/15	20.0	9.89313	50.0	1130350.0	0.494657	Y
5	ICIS 410-528230/16	50.0	24.444752	50.0	1137735.0	0.488895	Y
6	IC 410-528230/17	100.0	48.283451	50.0	1135563.0	0.482835	Y
7	IC 410-528230/18	300.0	141.254585	50.0	1161340.0	0.470849	Y



Calibration / Bromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

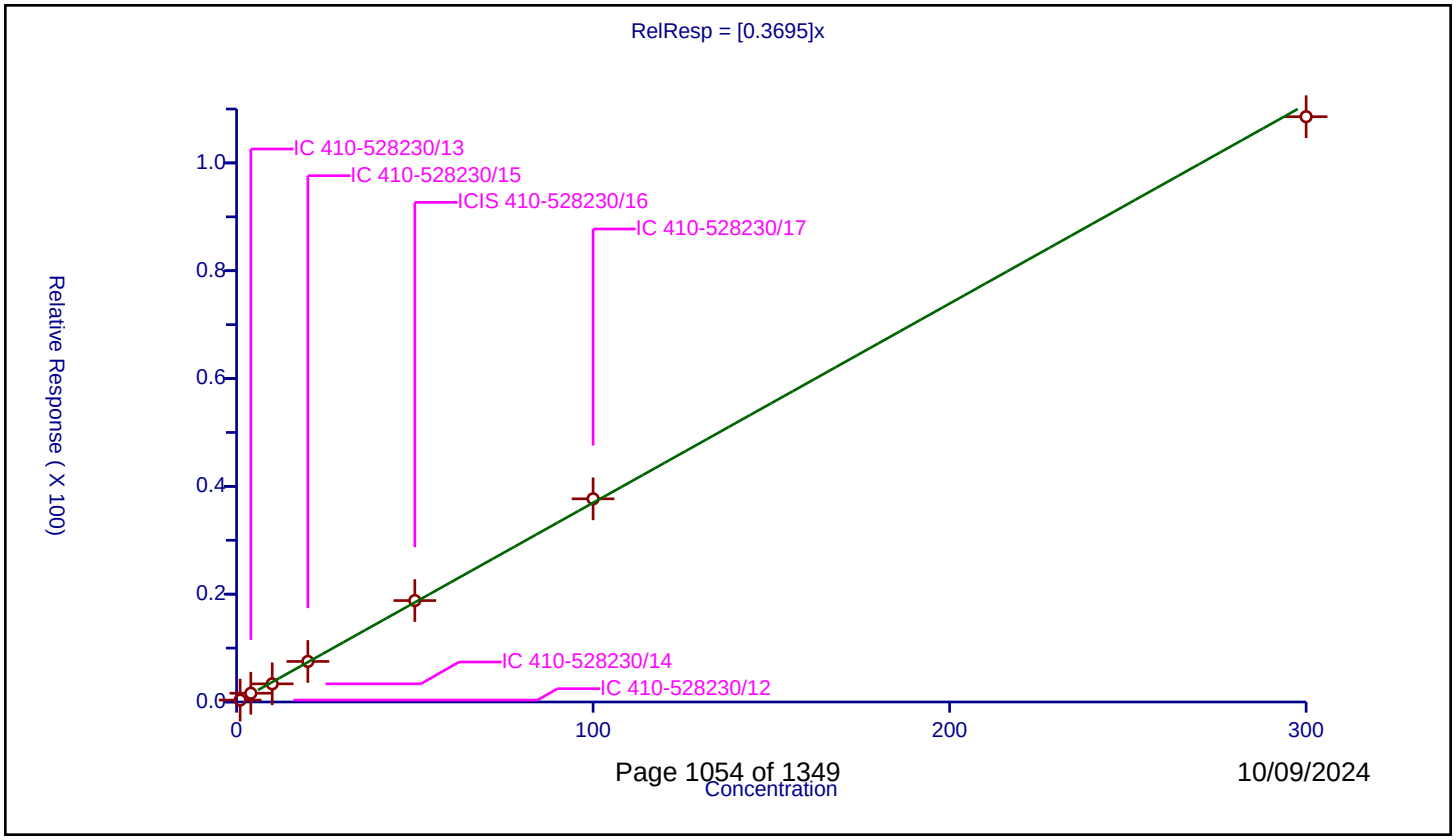
Curve Coefficients

Intercept:	0
Slope:	0.3695

Error Coefficients

Relative Standard Deviation:	5.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	1.0	0.352676	50.0	1134043.0	0.352676	Y
2	IC 410-528230/13	4.0	1.624349	50.0	1142427.0	0.406087	Y
3	IC 410-528230/14	10.0	3.36732	50.0	1120550.0	0.336732	Y
4	IC 410-528230/15	20.0	7.52382	50.0	1130350.0	0.376191	Y
5	ICIS 410-528230/16	50.0	18.81708	50.0	1137735.0	0.376342	Y
6	IC 410-528230/17	100.0	37.685712	50.0	1135563.0	0.376857	Y
7	IC 410-528230/18	300.0	108.575439	50.0	1161340.0	0.361918	Y



10/09/2024

Calibration / Chloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

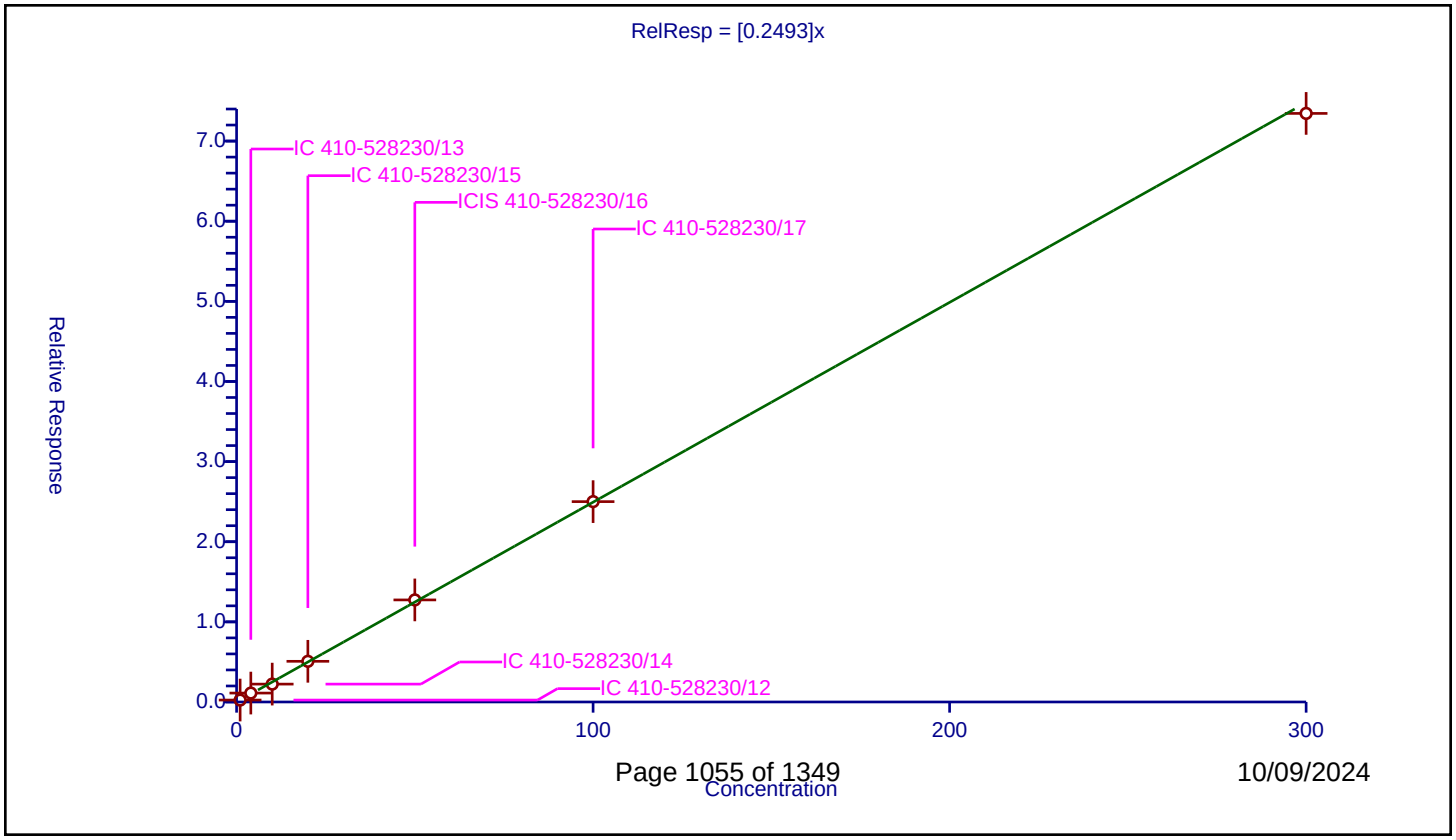
Curve Coefficients

Intercept:	0
Slope:	0.2493

Error Coefficients

Relative Standard Deviation:	6.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	1.0	0.240379	50.0	1134043.0	0.240379	Y
2	IC 410-528230/13	4.0	1.113375	50.0	1142427.0	0.278344	Y
3	IC 410-528230/14	10.0	2.232698	50.0	1120550.0	0.22327	Y
4	IC 410-528230/15	20.0	5.076215	50.0	1130350.0	0.253811	Y
5	ICIS 410-528230/16	50.0	12.736094	50.0	1137735.0	0.254722	Y
6	IC 410-528230/17	100.0	25.004425	50.0	1135563.0	0.250044	Y
7	IC 410-528230/18	300.0	73.451875	50.0	1161340.0	0.24484	Y



Calibration / Dichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

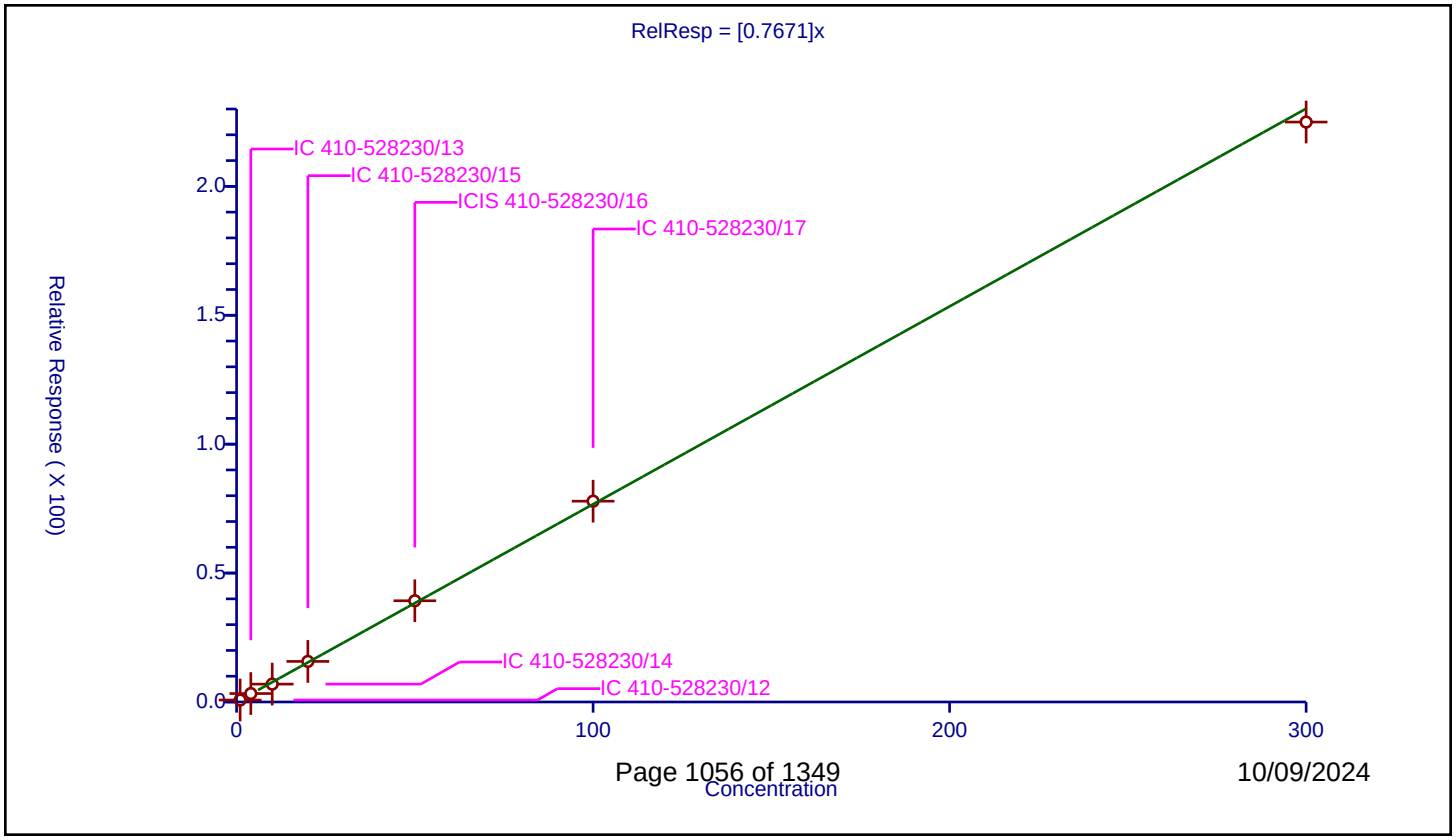
Curve Coefficients

Intercept:	0
Slope:	0.7671

Error Coefficients

Relative Standard Deviation:	5.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	1.0	0.756894	50.0	1134043.0	0.756894	Y
2	IC 410-528230/13	4.0	3.27382	50.0	1142427.0	0.818455	Y
3	IC 410-528230/14	10.0	6.938066	50.0	1120550.0	0.693807	Y
4	IC 410-528230/15	20.0	15.735347	50.0	1130350.0	0.786767	Y
5	ICIS 410-528230/16	50.0	39.268766	50.0	1137735.0	0.785375	Y
6	IC 410-528230/17	100.0	77.893653	50.0	1135563.0	0.778937	Y
7	IC 410-528230/18	300.0	224.944332	50.0	1161340.0	0.749814	Y



Calibration / Trichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

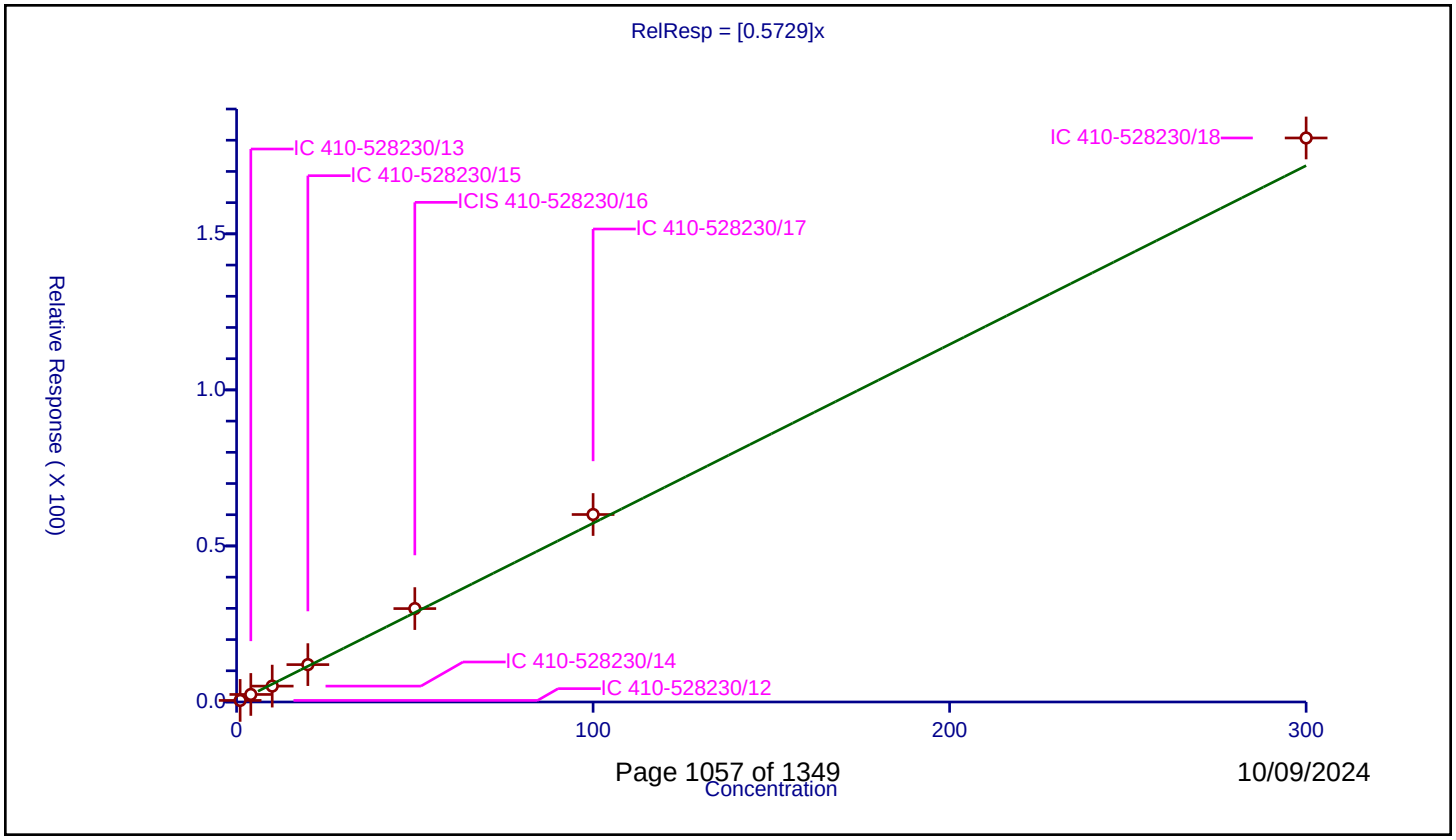
Curve Coefficients

Intercept:	0
Slope:	0.5729

Error Coefficients

Relative Standard Deviation:	8.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	1.0	0.49738	50.0	1134043.0	0.49738	Y
2	IC 410-528230/13	4.0	2.414071	50.0	1142427.0	0.603518	Y
3	IC 410-528230/14	10.0	5.08826	50.0	1120550.0	0.508826	Y
4	IC 410-528230/15	20.0	11.972929	50.0	1130350.0	0.598646	Y
5	ICIS 410-528230/16	50.0	29.923884	50.0	1137735.0	0.598478	Y
6	IC 410-528230/17	100.0	60.075927	50.0	1135563.0	0.600759	Y
7	IC 410-528230/18	300.0	180.717533	50.0	1161340.0	0.602392	Y



Calibration / Pentane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

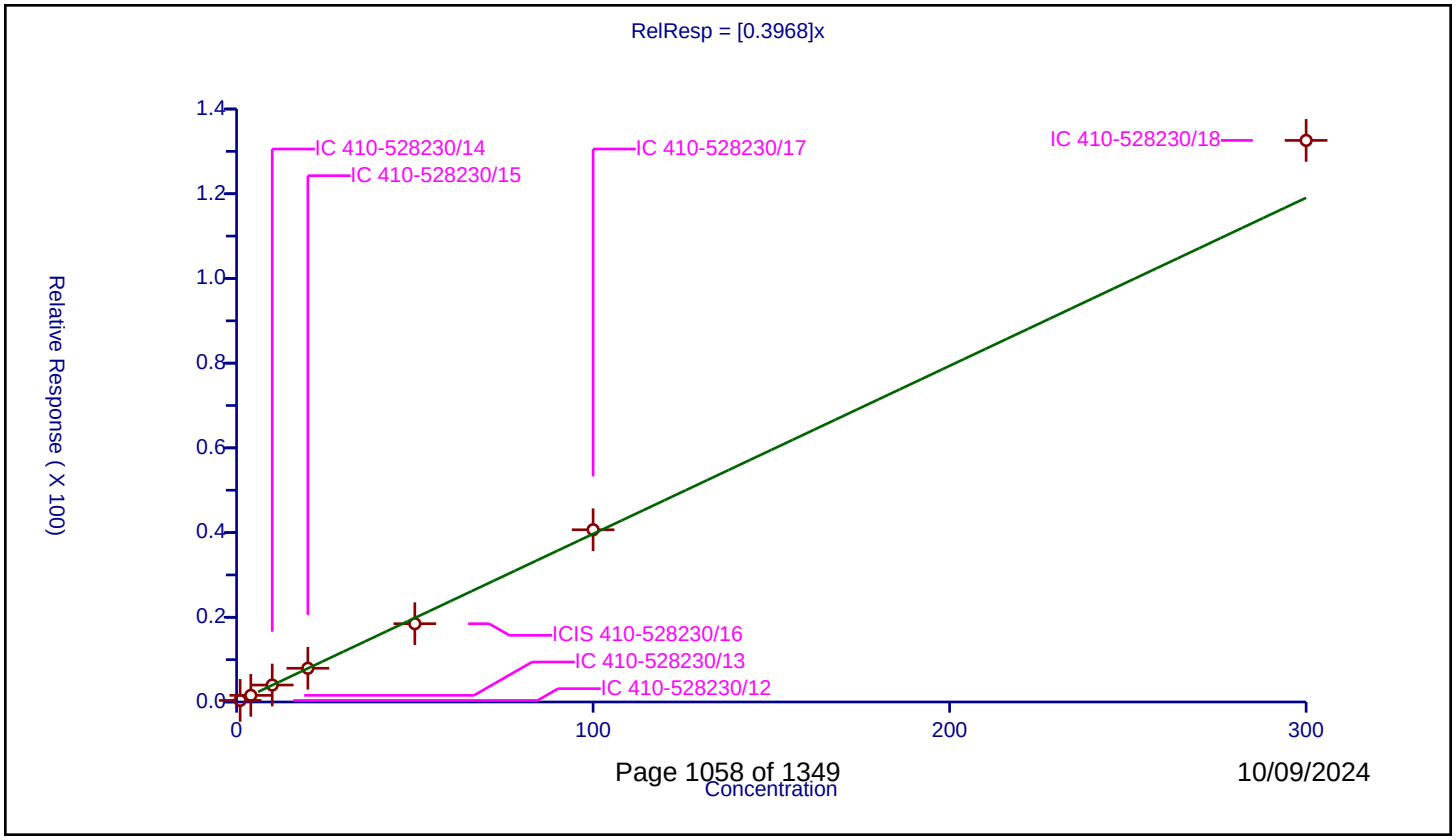
Curve Coefficients

Intercept:	0
Slope:	0.3968

Error Coefficients

Relative Standard Deviation:	6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	1.0	0.370577	50.0	1134043.0	0.370577	Y
2	IC 410-528230/13	4.0	1.562551	50.0	1142427.0	0.390638	Y
3	IC 410-528230/14	10.0	4.000134	50.0	1120550.0	0.400013	Y
4	IC 410-528230/15	20.0	7.963418	50.0	1130350.0	0.398171	Y
5	ICIS 410-528230/16	50.0	18.481852	50.0	1137735.0	0.369637	Y
6	IC 410-528230/17	100.0	40.664411	50.0	1135563.0	0.406644	Y
7	IC 410-528230/18	300.0	132.589638	50.0	1161340.0	0.441965	Y



Calibration / Ethyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

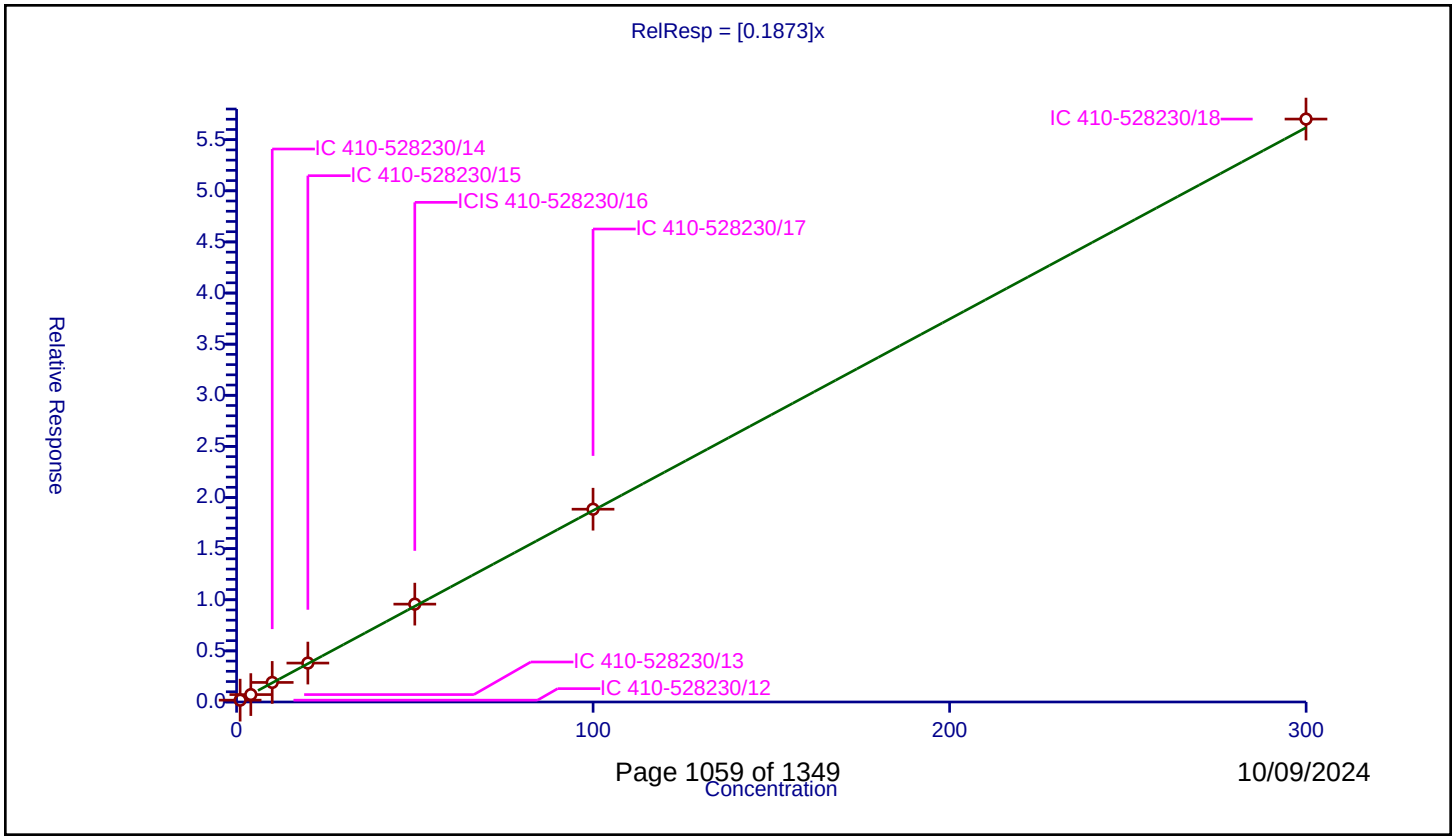
Curve Coefficients

Intercept:	0
Slope:	0.1873

Error Coefficients

Relative Standard Deviation:	2.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	0.999897	0.178565	50.0	1134043.0	0.178583	Y
2	IC 410-528230/13	3.999587	0.722497	50.0	1142427.0	0.180643	Y
3	IC 410-528230/14	9.998968	1.912052	50.0	1120550.0	0.191225	Y
4	IC 410-528230/15	19.997936	3.807184	50.0	1130350.0	0.190379	Y
5	ICIS 410-528230/16	49.99484	9.571473	50.0	1137735.0	0.191449	Y
6	IC 410-528230/17	99.98968	18.856329	50.0	1135563.0	0.188583	Y
7	IC 410-528230/18	299.96904	57.017325	50.0	1161340.0	0.190077	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

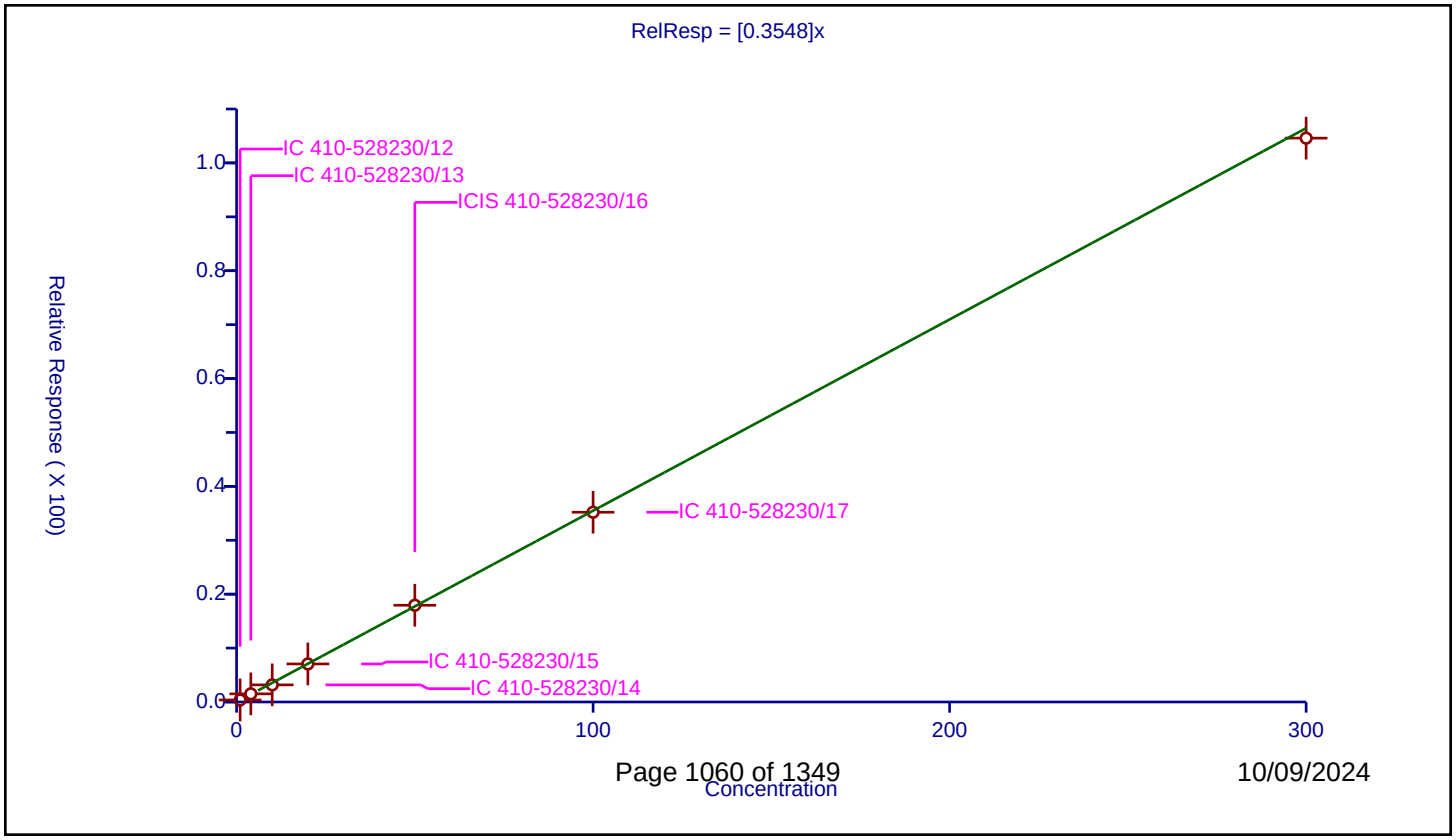
Curve Coefficients

Intercept:	0
Slope:	0.3548

Error Coefficients

Relative Standard Deviation:	5.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	1.0	0.375691	50.0	1134043.0	0.375691	Y
2	IC 410-528230/13	4.0	1.512613	50.0	1142427.0	0.378153	Y
3	IC 410-528230/14	10.0	3.173085	50.0	1120550.0	0.317308	Y
4	IC 410-528230/15	20.0	7.057681	50.0	1130350.0	0.352884	Y
5	ICIS 410-528230/16	50.0	17.944513	50.0	1137735.0	0.35889	Y
6	IC 410-528230/17	100.0	35.197343	50.0	1135563.0	0.351973	Y
7	IC 410-528230/18	300.0	104.598094	50.0	1161340.0	0.34866	Y



Calibration / Acrolein

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

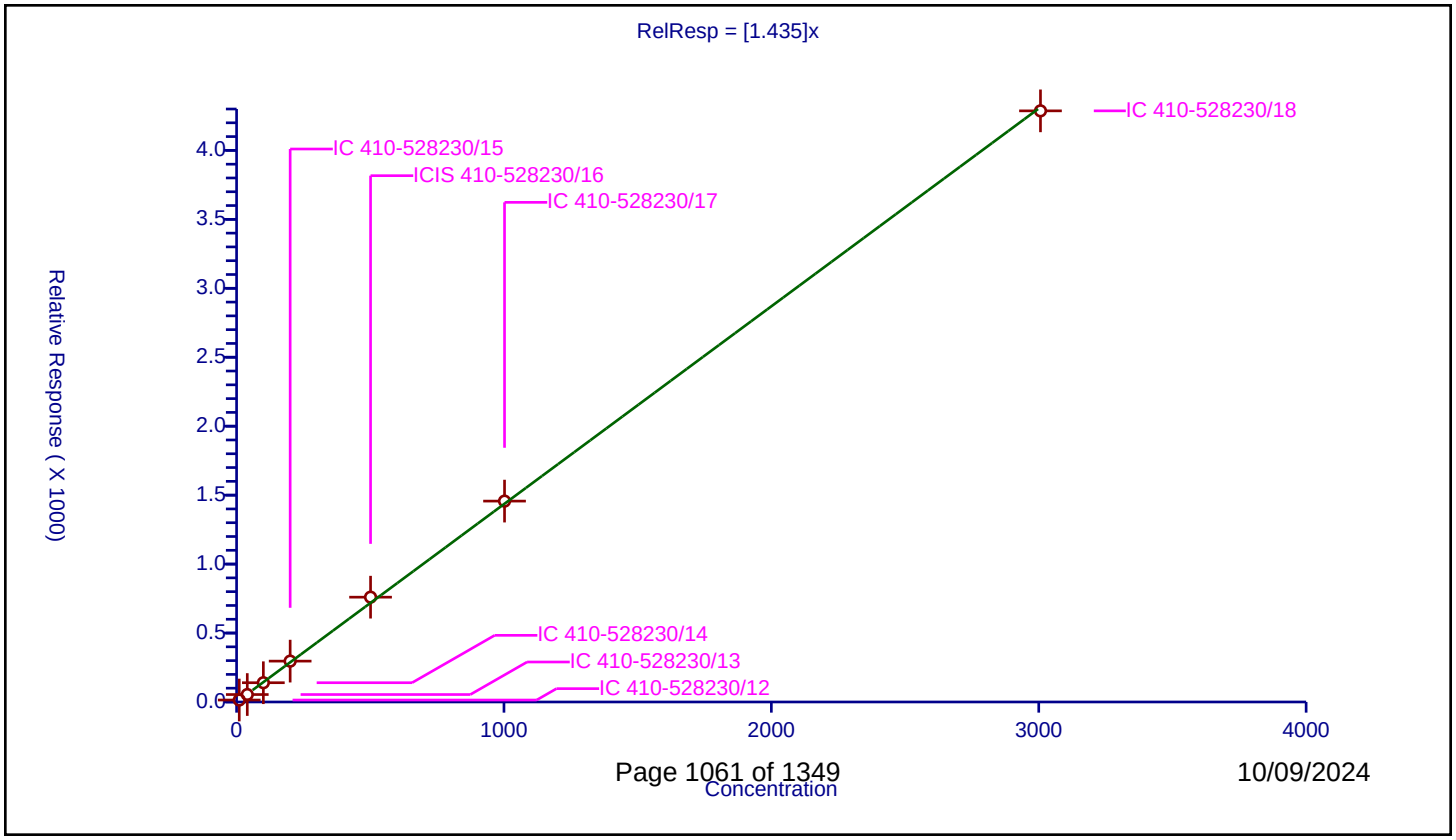
Curve Coefficients

Intercept:	0
Slope:	1.435

Error Coefficients

Relative Standard Deviation:	3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	10.021748	14.274885	250.0	280335.0	1.424391	Y
2	IC 410-528230/13	40.086992	54.029866	250.0	286610.0	1.347815	Y
3	IC 410-528230/14	100.217479	139.74852	250.0	282130.0	1.394453	Y
4	IC 410-528230/15	200.434958	296.399549	250.0	293866.0	1.478782	Y
5	ICIS 410-528230/16	501.087394	760.12367	250.0	295545.0	1.516948	Y
6	IC 410-528230/17	1002.174788	1456.871586	250.0	300753.0	1.45371	Y
7	IC 410-528230/18	3006.524365	4286.568141	250.0	307262.0	1.425755	Y



Calibration / Acetone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

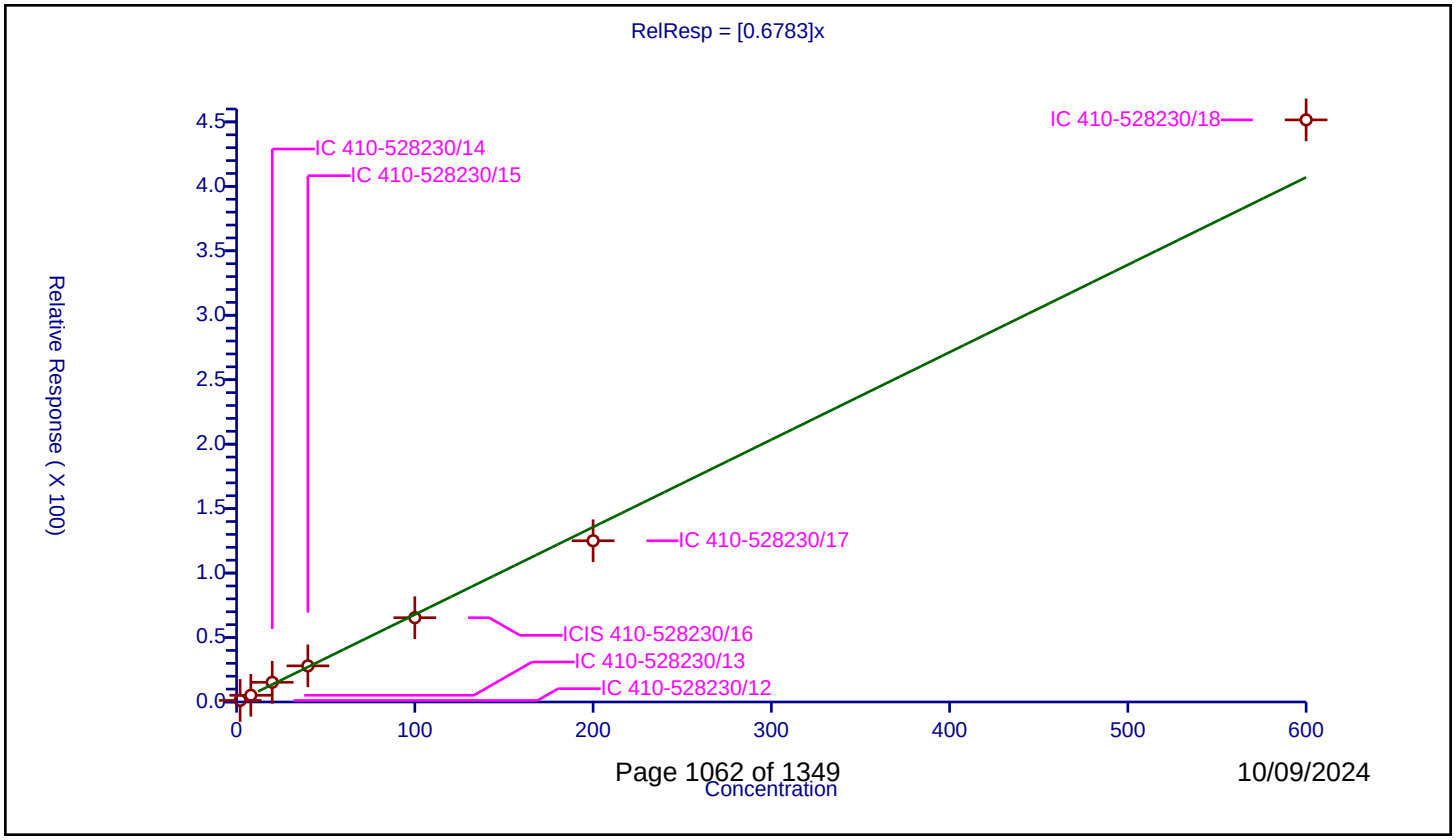
Curve Coefficients

Intercept:	0
Slope:	0.6783

Error Coefficients

Relative Standard Deviation:	9.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	2.0	1.202133	250.0	280335.0	0.601067	Y
2	IC 410-528230/13	8.0	5.206552	250.0	286610.0	0.650819	Y
3	IC 410-528230/14	20.0	15.28019	250.0	282130.0	0.764009	Y
4	IC 410-528230/15	40.0	28.017872	250.0	293866.0	0.700447	Y
5	ICIS 410-528230/16	100.0	65.387674	250.0	295545.0	0.653877	Y
6	IC 410-528230/17	200.0	125.088528	250.0	300753.0	0.625443	Y
7	IC 410-528230/18	600.0	451.576342	250.0	307262.0	0.752627	Y



Calibration / 1,1-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

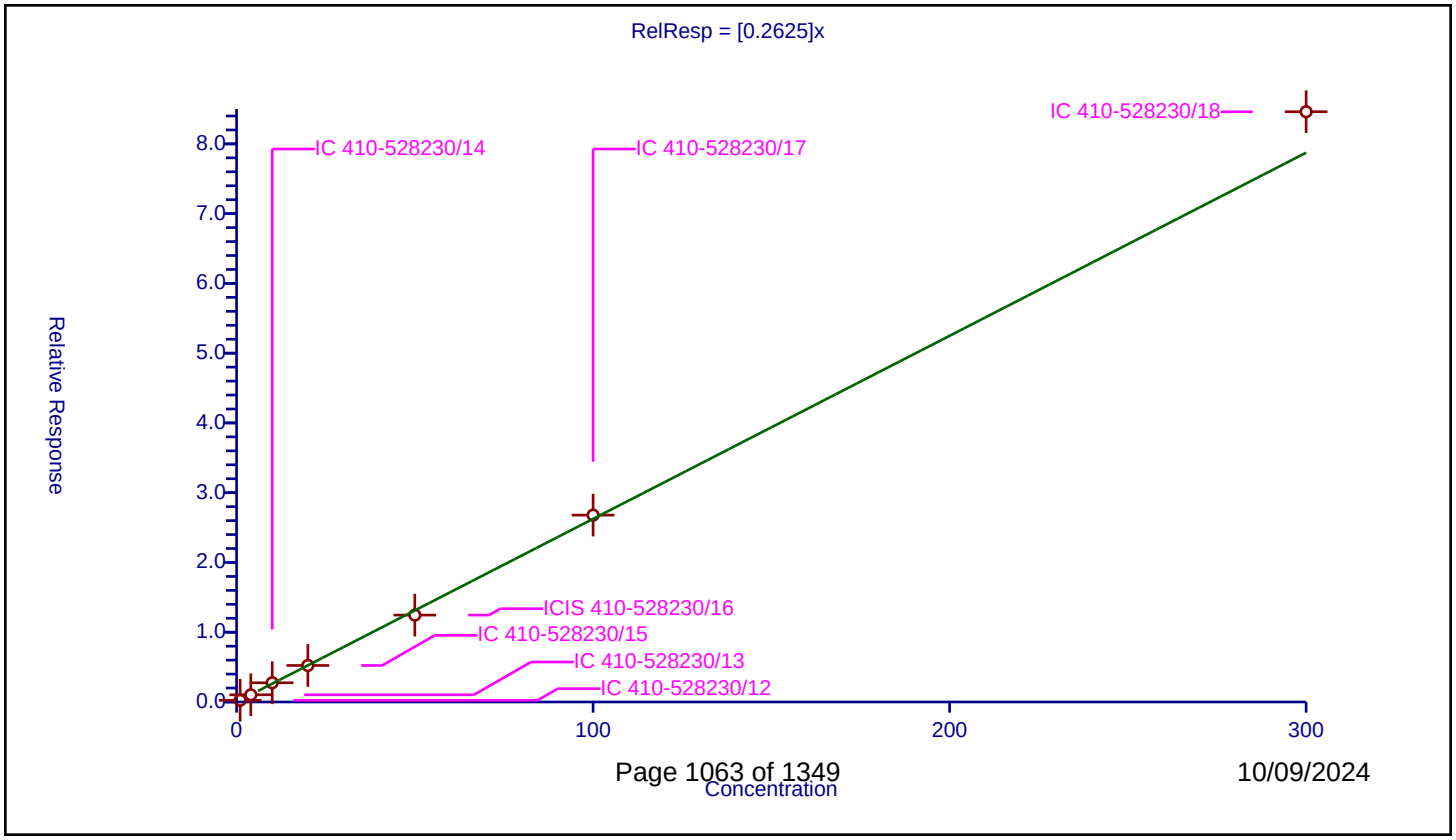
Curve Coefficients

Intercept:	0
Slope:	0.2625

Error Coefficients

Relative Standard Deviation:	5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	1.0	0.243377	50.0	1134043.0	0.243377	Y
2	IC 410-528230/13	4.0	1.030088	50.0	1142427.0	0.257522	Y
3	IC 410-528230/14	10.0	2.75512	50.0	1120550.0	0.275512	Y
4	IC 410-528230/15	20.0	5.236343	50.0	1130350.0	0.261817	Y
5	ICIS 410-528230/16	50.0	12.455229	50.0	1137735.0	0.249105	Y
6	IC 410-528230/17	100.0	26.784731	50.0	1135563.0	0.267847	Y
7	IC 410-528230/18	300.0	84.610967	50.0	1161340.0	0.282037	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

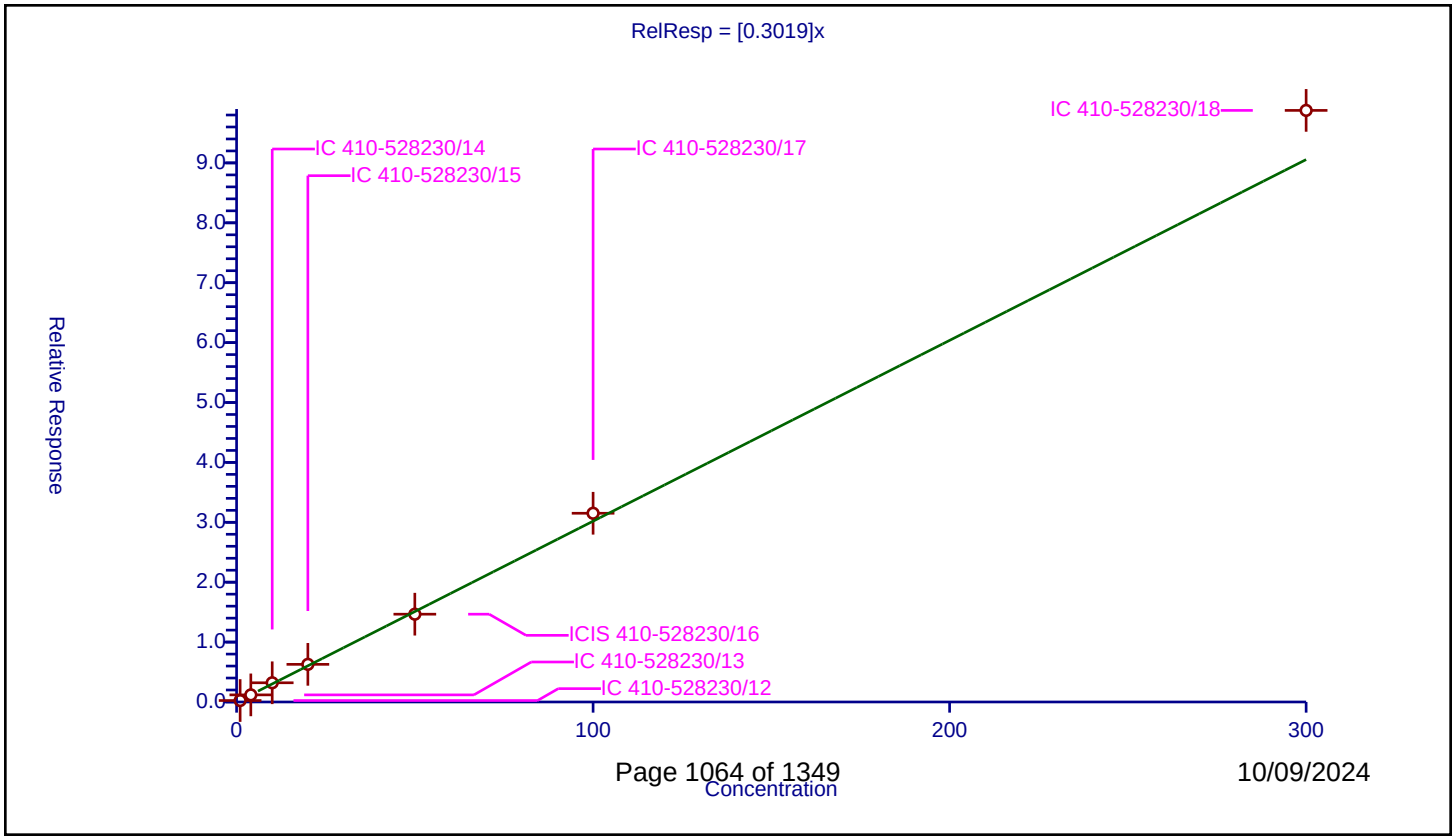
Curve Coefficients

Intercept:	0
Slope:	0.3019

Error Coefficients

Relative Standard Deviation:	9.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	1.0	0.244567	50.0	1134043.0	0.244567	Y
2	IC 410-528230/13	4.0	1.18524	50.0	1142427.0	0.29631	Y
3	IC 410-528230/14	10.0	3.205747	50.0	1120550.0	0.320575	Y
4	IC 410-528230/15	20.0	6.283275	50.0	1130350.0	0.314164	Y
5	ICIS 410-528230/16	50.0	14.656884	50.0	1137735.0	0.293138	Y
6	IC 410-528230/17	100.0	31.507807	50.0	1135563.0	0.315078	Y
7	IC 410-528230/18	300.0	98.767286	50.0	1161340.0	0.329224	Y



Calibration / Isopropyl alcohol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

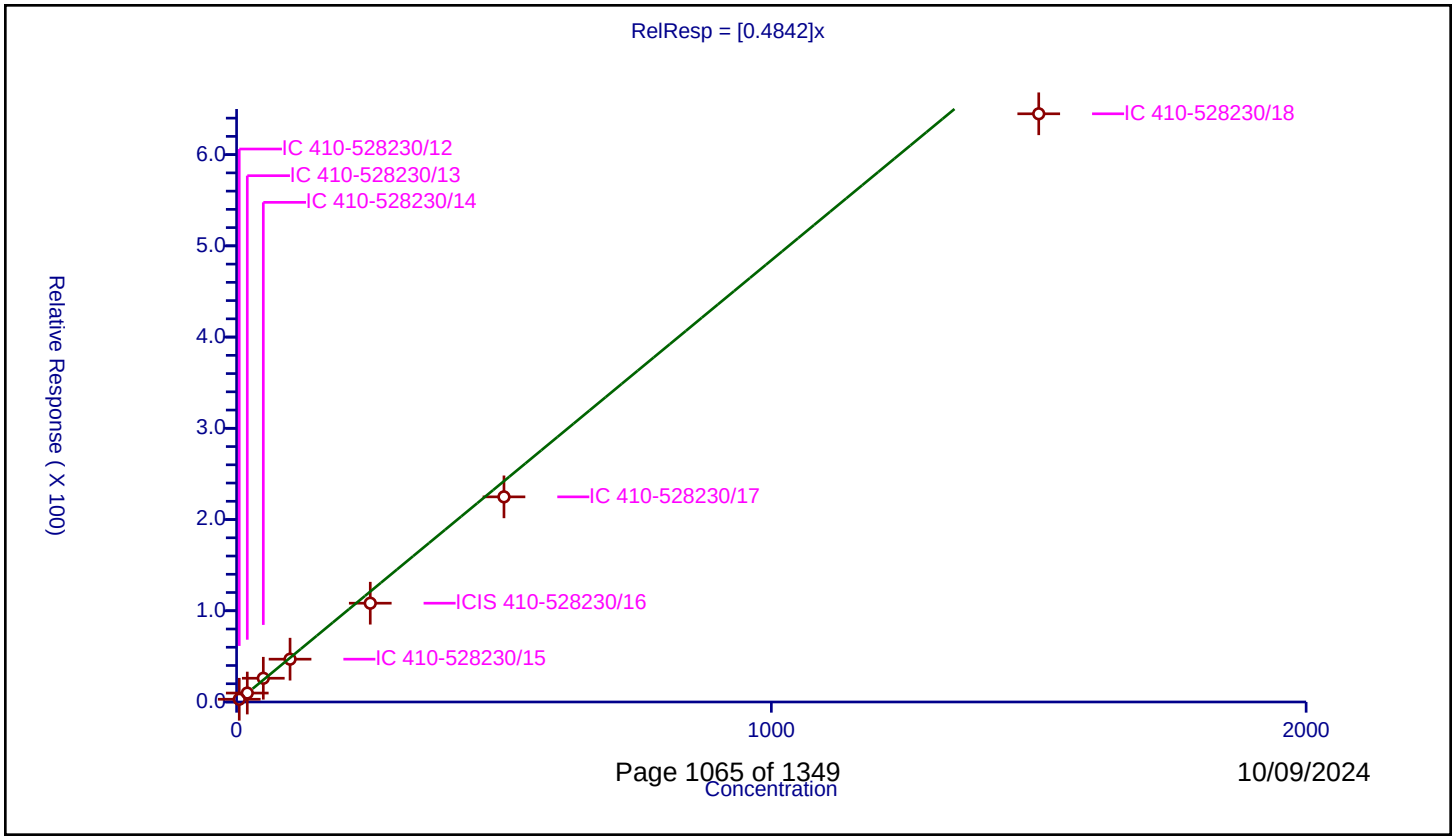
Curve Coefficients

Intercept:	0
Slope:	0.4842

Error Coefficients

Relative Standard Deviation:	12.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	5.0	2.98393	250.0	280335.0	0.596786	Y
2	IC 410-528230/13	20.0	9.800775	250.0	286610.0	0.490039	Y
3	IC 410-528230/14	50.0	26.031439	250.0	282130.0	0.520629	Y
4	IC 410-528230/15	100.0	46.921896	250.0	293866.0	0.469219	Y
5	ICIS 410-528230/16	250.0	108.276235	250.0	295545.0	0.433105	Y
6	IC 410-528230/17	500.0	224.852287	250.0	300753.0	0.449705	Y
7	IC 410-528230/18	1500.0	644.767332	250.0	307262.0	0.429845	Y



Calibration / Iodomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

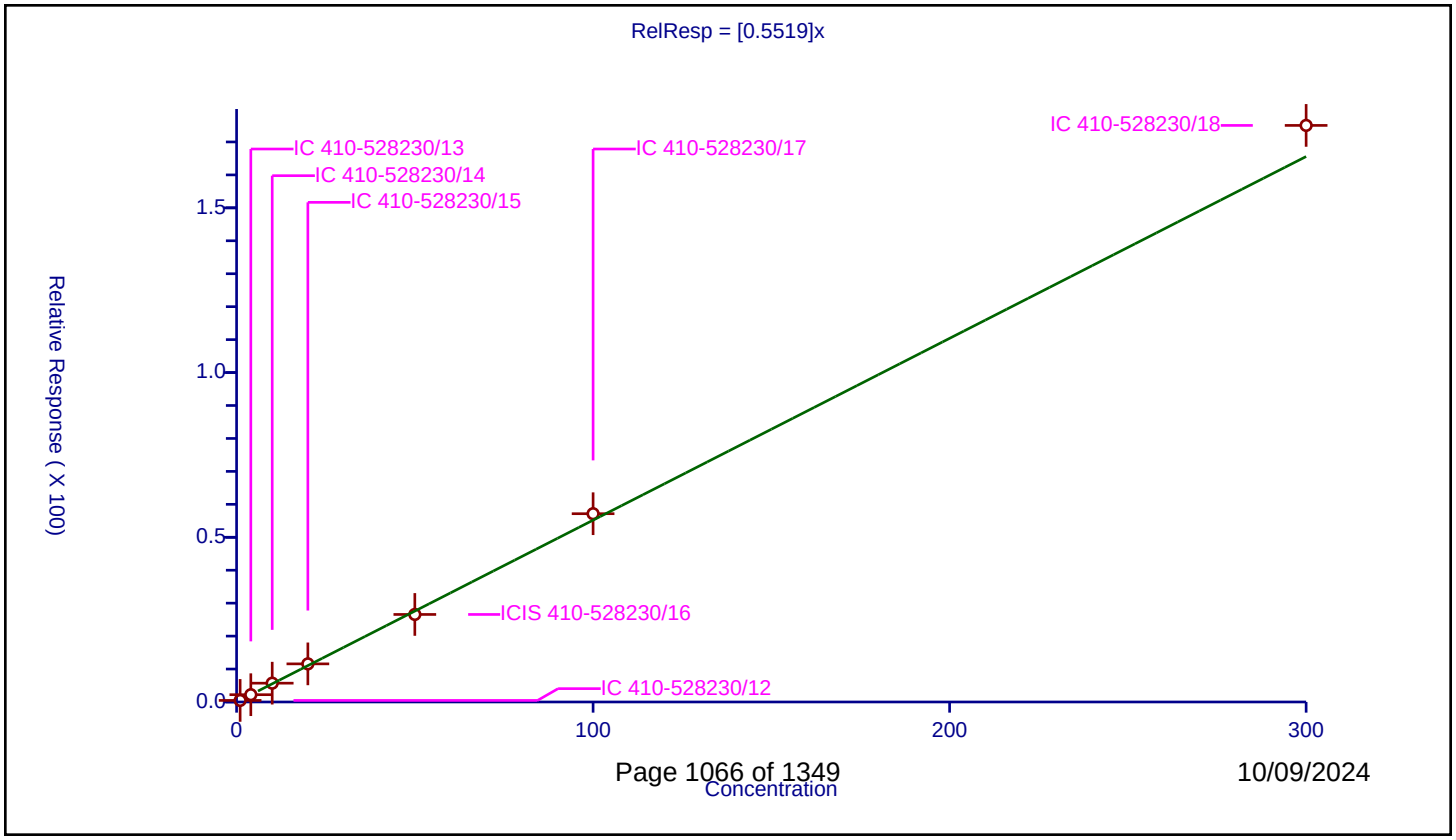
Curve Coefficients

Intercept:	0
Slope:	0.5519

Error Coefficients

Relative Standard Deviation:	7.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	1.0	0.473747	50.0	1134043.0	0.473747	Y
2	IC 410-528230/13	4.0	2.212964	50.0	1142427.0	0.553241	Y
3	IC 410-528230/14	10.0	5.714471	50.0	1120550.0	0.571447	Y
4	IC 410-528230/15	20.0	11.574203	50.0	1130350.0	0.57871	Y
5	ICIS 410-528230/16	50.0	26.569412	50.0	1137735.0	0.531388	Y
6	IC 410-528230/17	100.0	57.150946	50.0	1135563.0	0.571509	Y
7	IC 410-528230/18	300.0	175.019632	50.0	1161340.0	0.583399	Y



Calibration / Carbon disulfide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

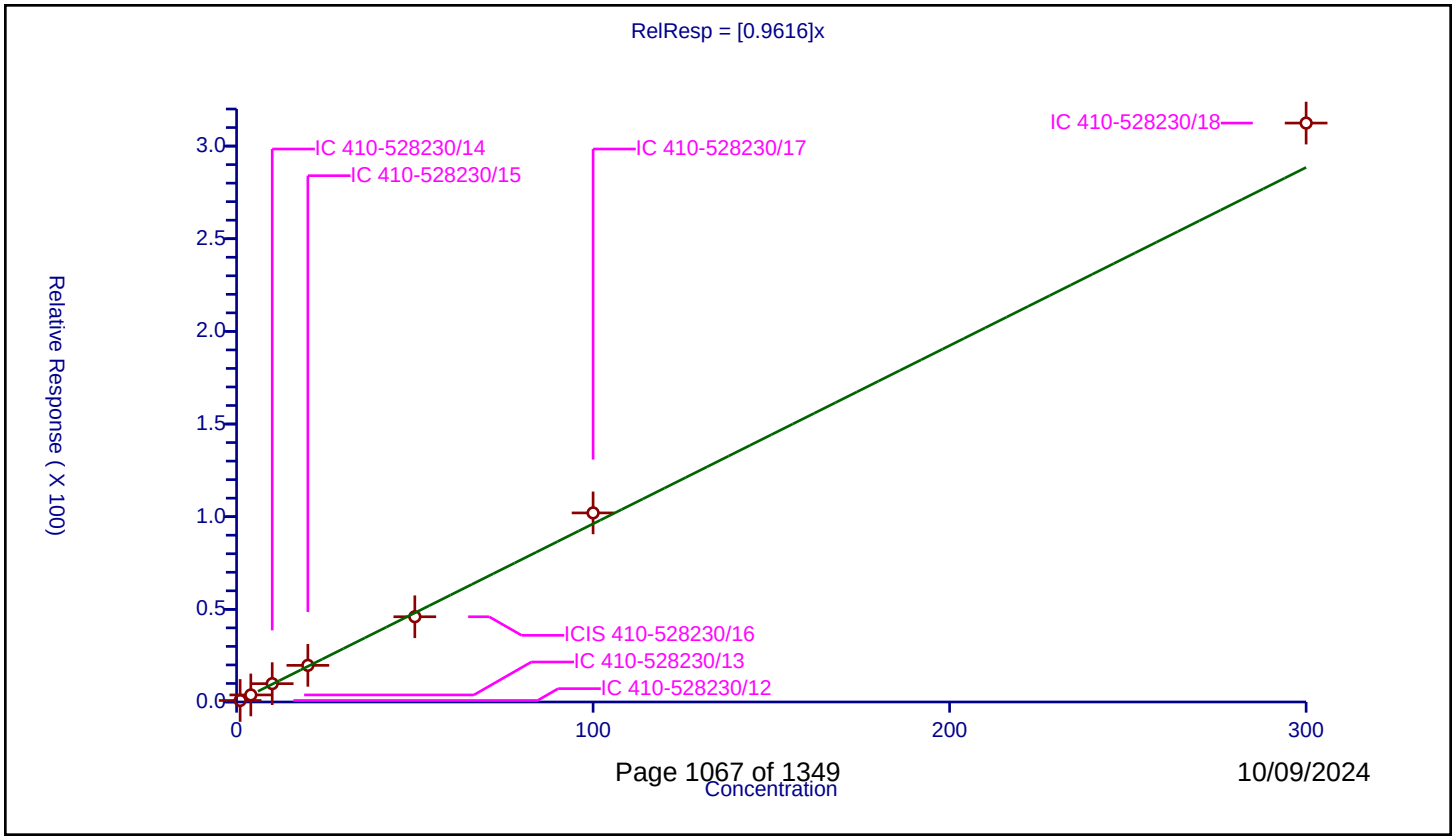
Curve Coefficients

Intercept:	0
Slope:	0.9616

Error Coefficients

Relative Standard Deviation:	7.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	1.0	0.818576	50.0	1134043.0	0.818576	Y
2	IC 410-528230/13	4.0	3.812804	50.0	1142427.0	0.953201	Y
3	IC 410-528230/14	10.0	9.893891	50.0	1120550.0	0.989389	Y
4	IC 410-528230/15	20.0	19.769717	50.0	1130350.0	0.988486	Y
5	ICIS 410-528230/16	50.0	46.001222	50.0	1137735.0	0.920024	Y
6	IC 410-528230/17	100.0	102.0378	50.0	1135563.0	1.020378	Y
7	IC 410-528230/18	300.0	312.40963	50.0	1161340.0	1.041365	Y



Calibration / Methyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

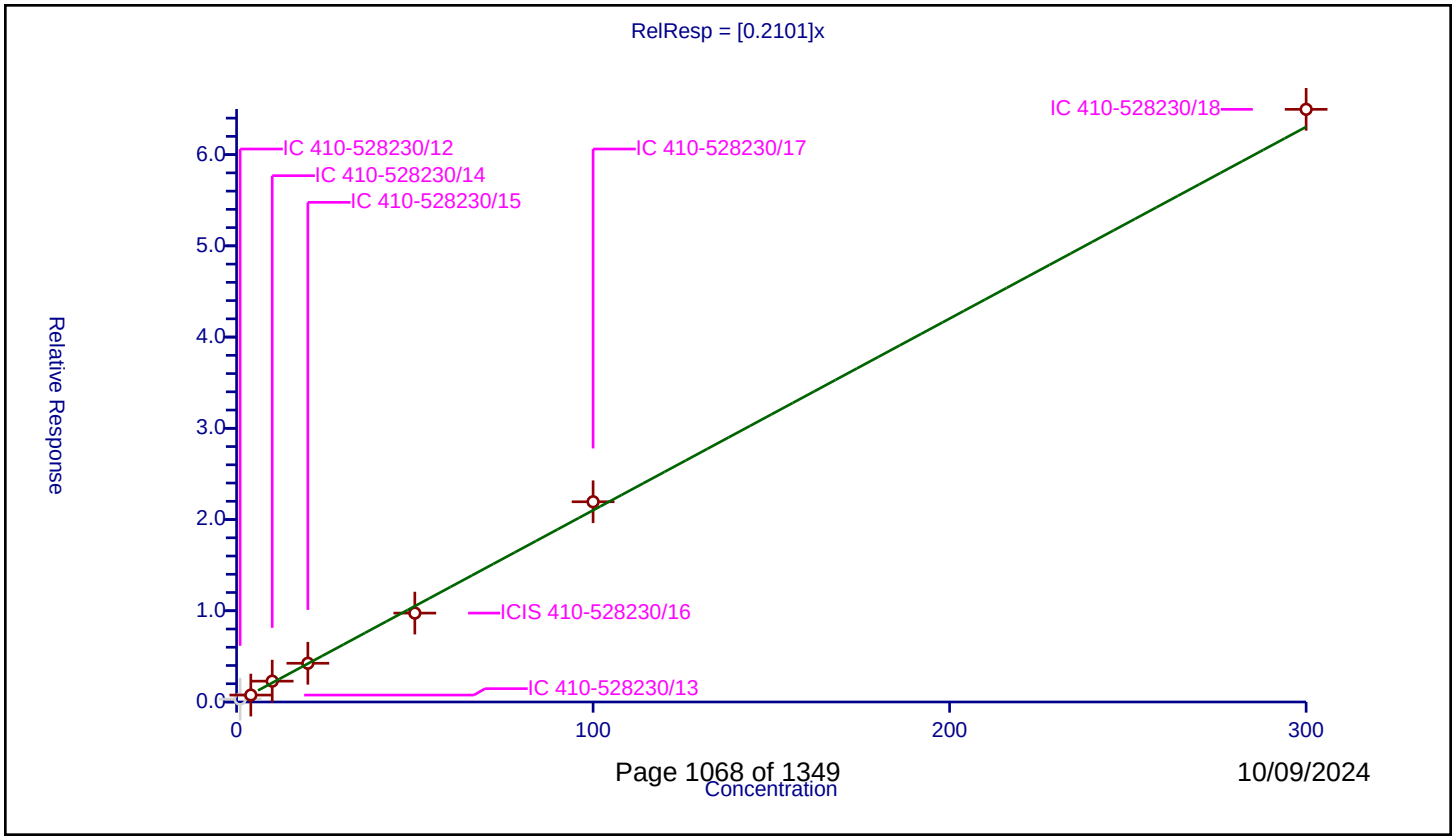
Curve Coefficients

Intercept:	0
Slope:	0.2101

Error Coefficients

Relative Standard Deviation:	7.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	1.0	0.312819	50.0	1134043.0	0.312819	N
2	IC 410-528230/13	4.0	0.757204	50.0	1142427.0	0.189301	Y
3	IC 410-528230/14	10.0	2.283611	50.0	1120550.0	0.228361	Y
4	IC 410-528230/15	20.0	4.244703	50.0	1130350.0	0.212235	Y
5	ICIS 410-528230/16	50.0	9.745547	50.0	1137735.0	0.194911	Y
6	IC 410-528230/17	100.0	21.948012	50.0	1135563.0	0.21948	Y
7	IC 410-528230/18	300.0	64.965083	50.0	1161340.0	0.21655	Y



10/09/2024

Calibration / 3-Chloro-1-propene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

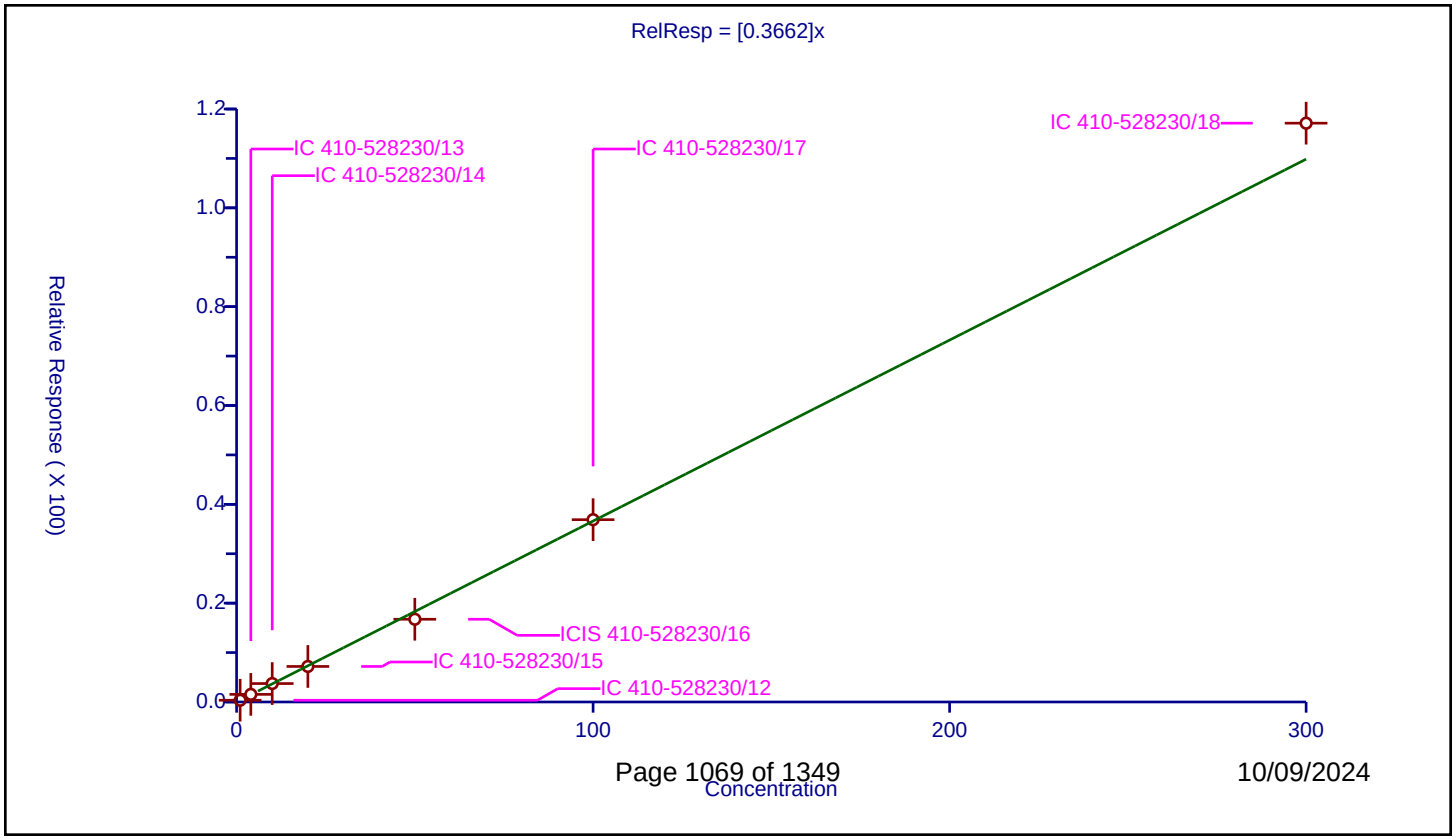
Curve Coefficients

Intercept:	0
Slope:	0.3662

Error Coefficients

Relative Standard Deviation:	5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	1.0	0.351221	50.0	1134043.0	0.351221	Y
2	IC 410-528230/13	4.0	1.539661	50.0	1142427.0	0.384915	Y
3	IC 410-528230/14	10.0	3.731694	50.0	1120550.0	0.373169	Y
4	IC 410-528230/15	20.0	7.192728	50.0	1130350.0	0.359636	Y
5	ICIS 410-528230/16	50.0	16.743486	50.0	1137735.0	0.33487	Y
6	IC 410-528230/17	100.0	36.895443	50.0	1135563.0	0.368954	Y
7	IC 410-528230/18	300.0	117.13667	50.0	1161340.0	0.390456	Y



Calibration / Methylene Chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

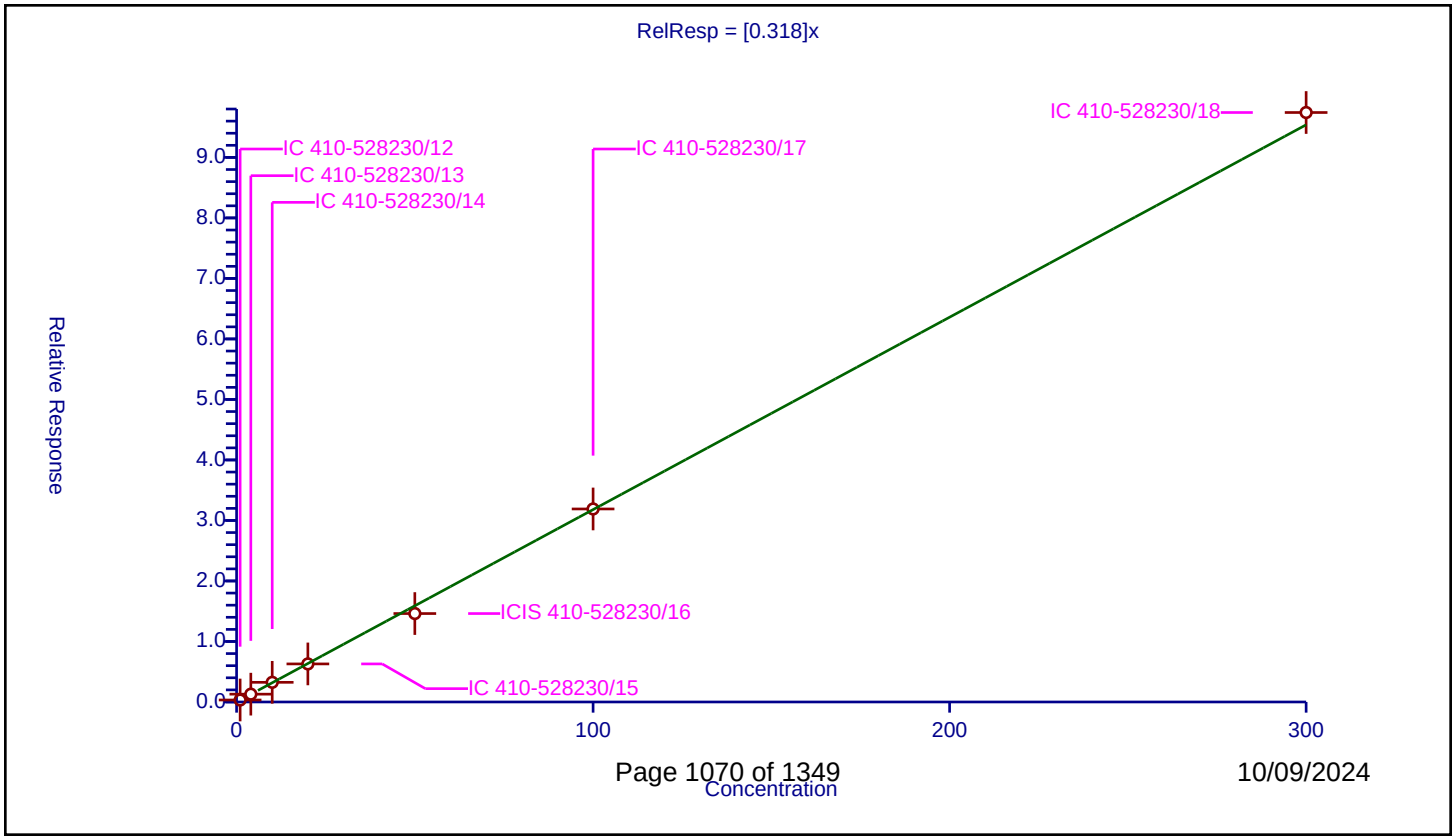
Curve Coefficients

Intercept:	0
Slope:	0.318

Error Coefficients

Relative Standard Deviation:	3.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	1.0	0.327413	50.0	1134043.0	0.327413	Y
2	IC 410-528230/13	4.0	1.291636	50.0	1142427.0	0.322909	Y
3	IC 410-528230/14	10.0	3.248092	50.0	1120550.0	0.324809	Y
4	IC 410-528230/15	20.0	6.291458	50.0	1130350.0	0.314573	Y
5	ICIS 410-528230/16	50.0	14.614563	50.0	1137735.0	0.292291	Y
6	IC 410-528230/17	100.0	31.901444	50.0	1135563.0	0.319014	Y
7	IC 410-528230/18	300.0	97.421255	50.0	1161340.0	0.324738	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

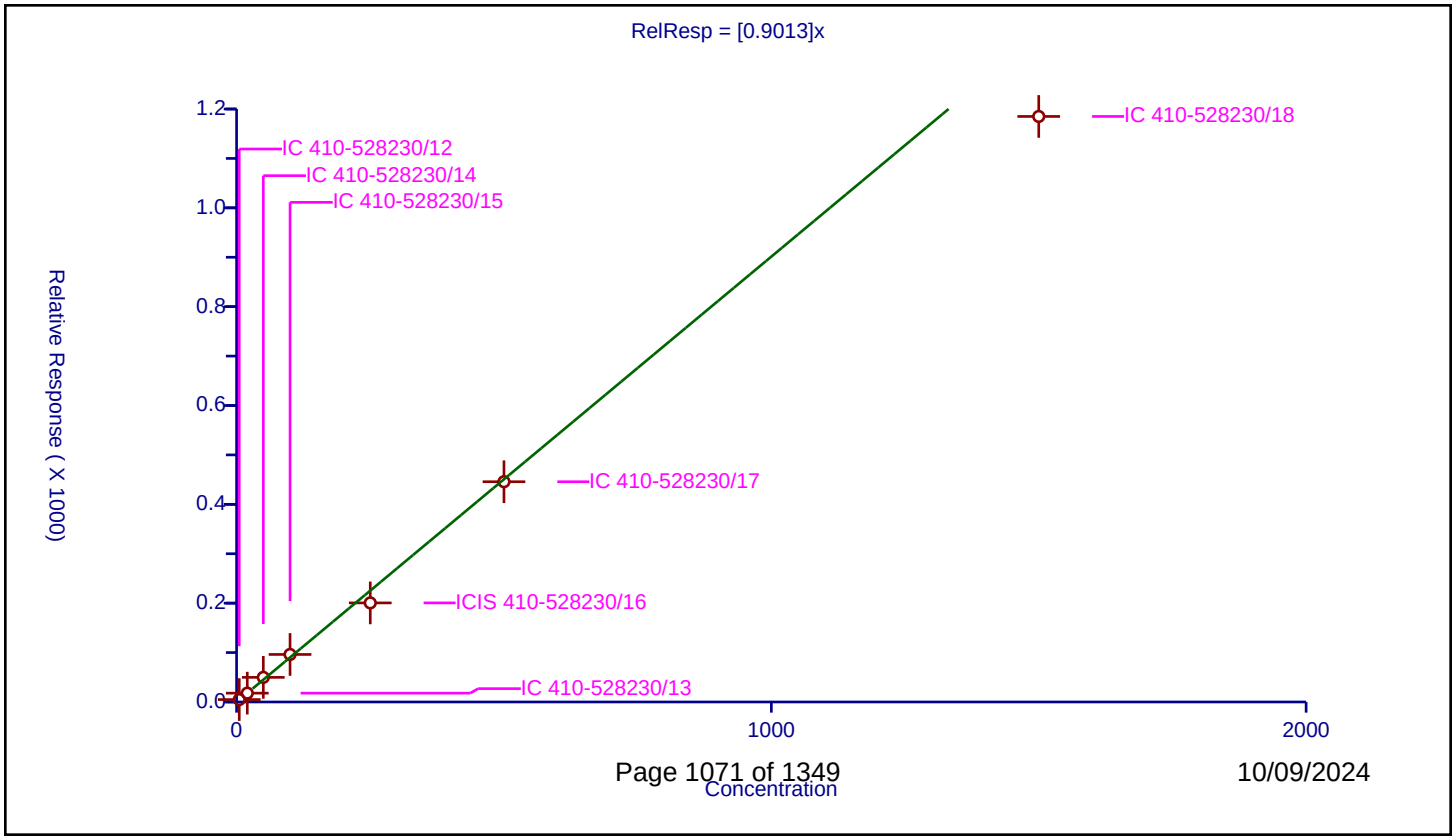
Curve Coefficients

Intercept:	0
Slope:	0.9013

Error Coefficients

Relative Standard Deviation:	9.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	5.0	4.858473	250.0	280335.0	0.971695	Y
2	IC 410-528230/13	20.0	17.91546	250.0	286610.0	0.895773	Y
3	IC 410-528230/14	50.0	49.821005	250.0	282130.0	0.99642	Y
4	IC 410-528230/15	100.0	96.168832	250.0	293866.0	0.961688	Y
5	ICIS 410-528230/16	250.0	200.510921	250.0	295545.0	0.802044	Y
6	IC 410-528230/17	500.0	445.735371	250.0	300753.0	0.891471	Y
7	IC 410-528230/18	1500.0	1184.960229	250.0	307262.0	0.789973	Y



Calibration / Acrylonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

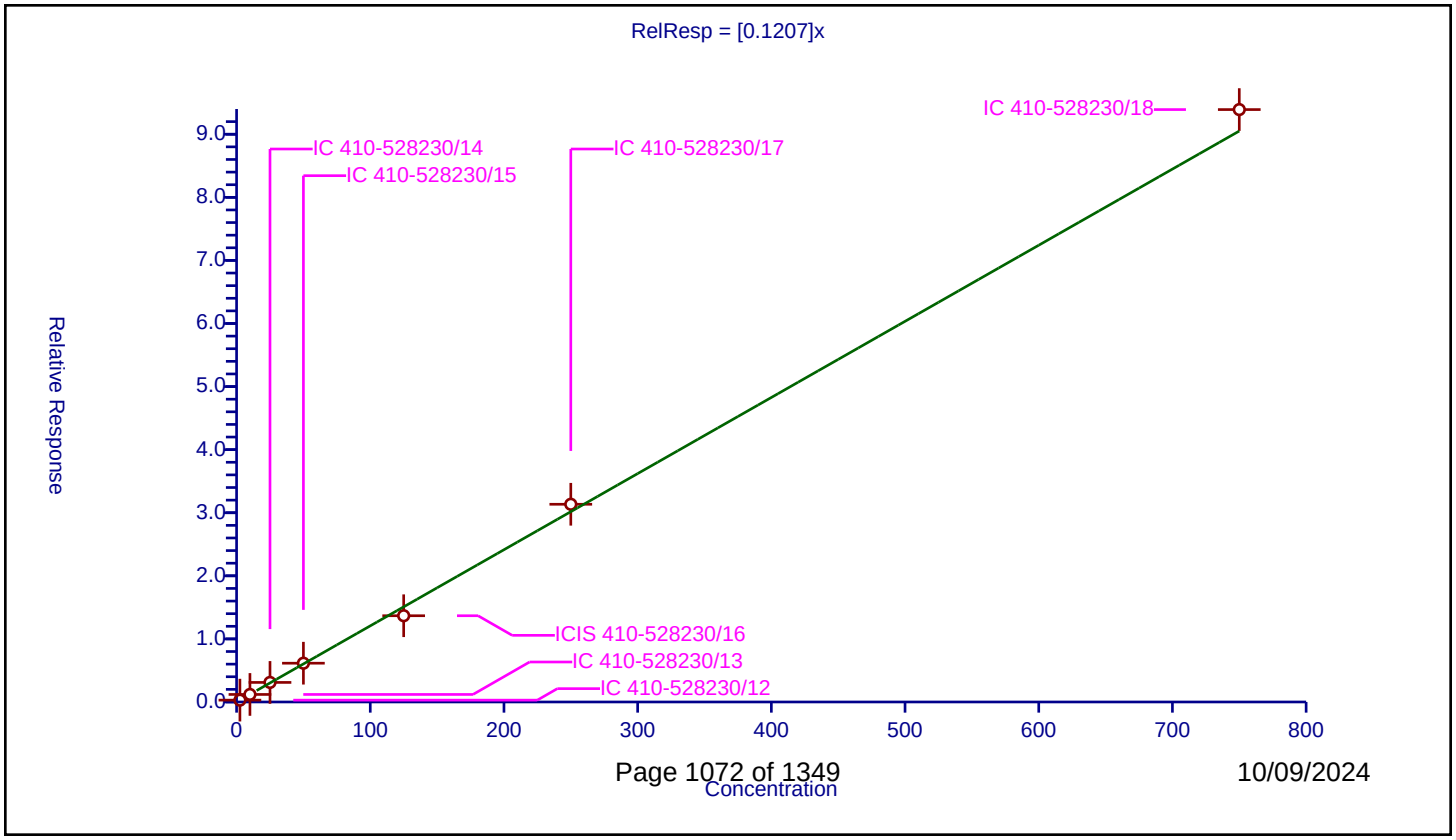
Curve Coefficients

Intercept:	0
Slope:	0.1207

Error Coefficients

Relative Standard Deviation:	4.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	2.5	0.295447	50.0	1134043.0	0.118179	Y
2	IC 410-528230/13	10.0	1.195831	50.0	1142427.0	0.119583	Y
3	IC 410-528230/14	25.0	3.101379	50.0	1120550.0	0.124055	Y
4	IC 410-528230/15	50.0	6.147963	50.0	1130350.0	0.122959	Y
5	ICIS 410-528230/16	125.0	13.674274	50.0	1137735.0	0.109394	Y
6	IC 410-528230/17	250.0	31.344584	50.0	1135563.0	0.125378	Y
7	IC 410-528230/18	750.0	93.910612	50.0	1161340.0	0.125214	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

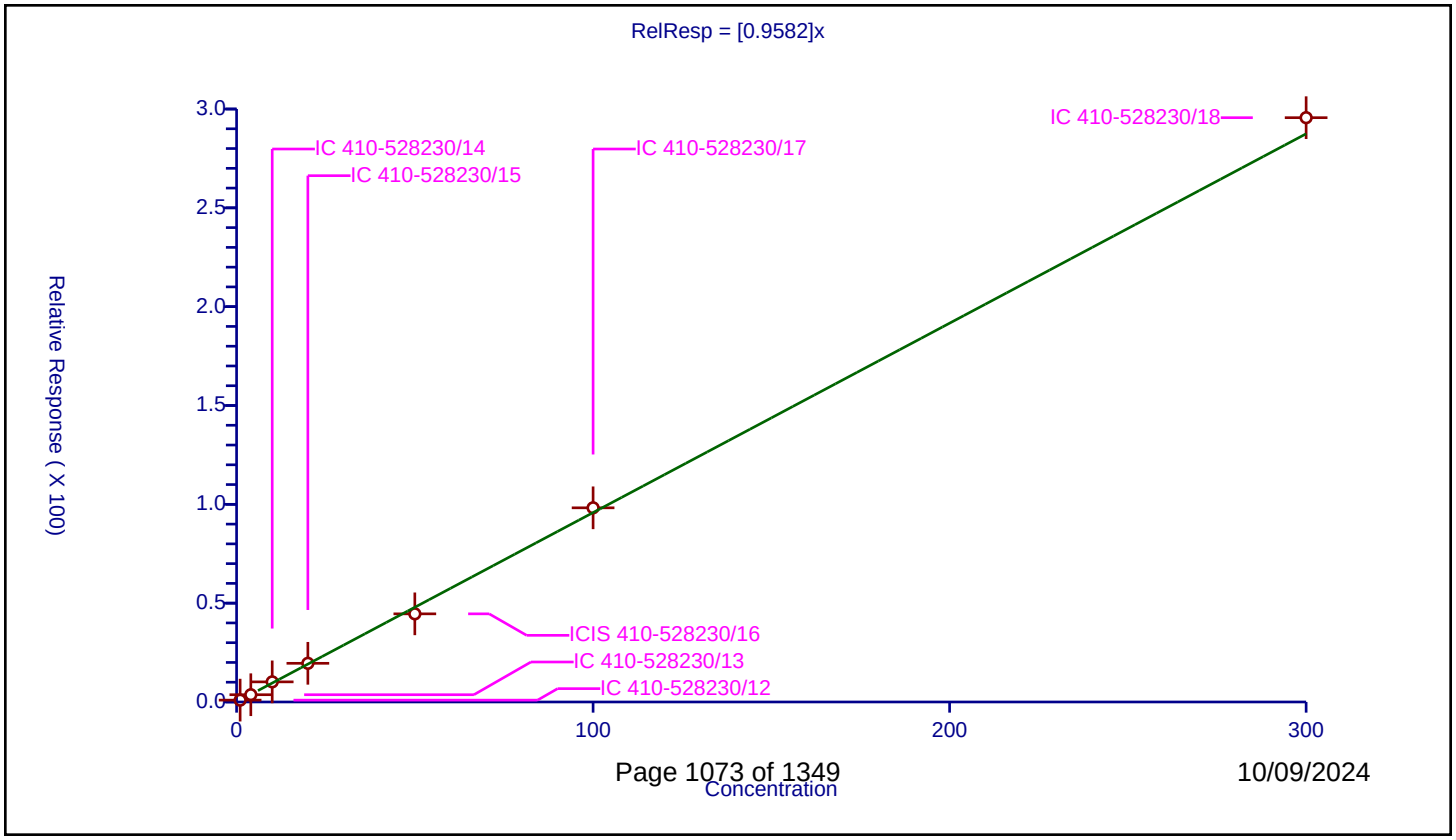
Curve Coefficients

Intercept:	0
Slope:	0.9582

Error Coefficients

Relative Standard Deviation:	4.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	1.0	0.933077	50.0	1134043.0	0.933077	Y
2	IC 410-528230/13	4.0	3.676515	50.0	1142427.0	0.919129	Y
3	IC 410-528230/14	10.0	10.175003	50.0	1120550.0	1.0175	Y
4	IC 410-528230/15	20.0	19.565444	50.0	1130350.0	0.978272	Y
5	ICIS 410-528230/16	50.0	44.596545	50.0	1137735.0	0.891931	Y
6	IC 410-528230/17	100.0	98.235237	50.0	1135563.0	0.982352	Y
7	IC 410-528230/18	300.0	295.61386	50.0	1161340.0	0.98538	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

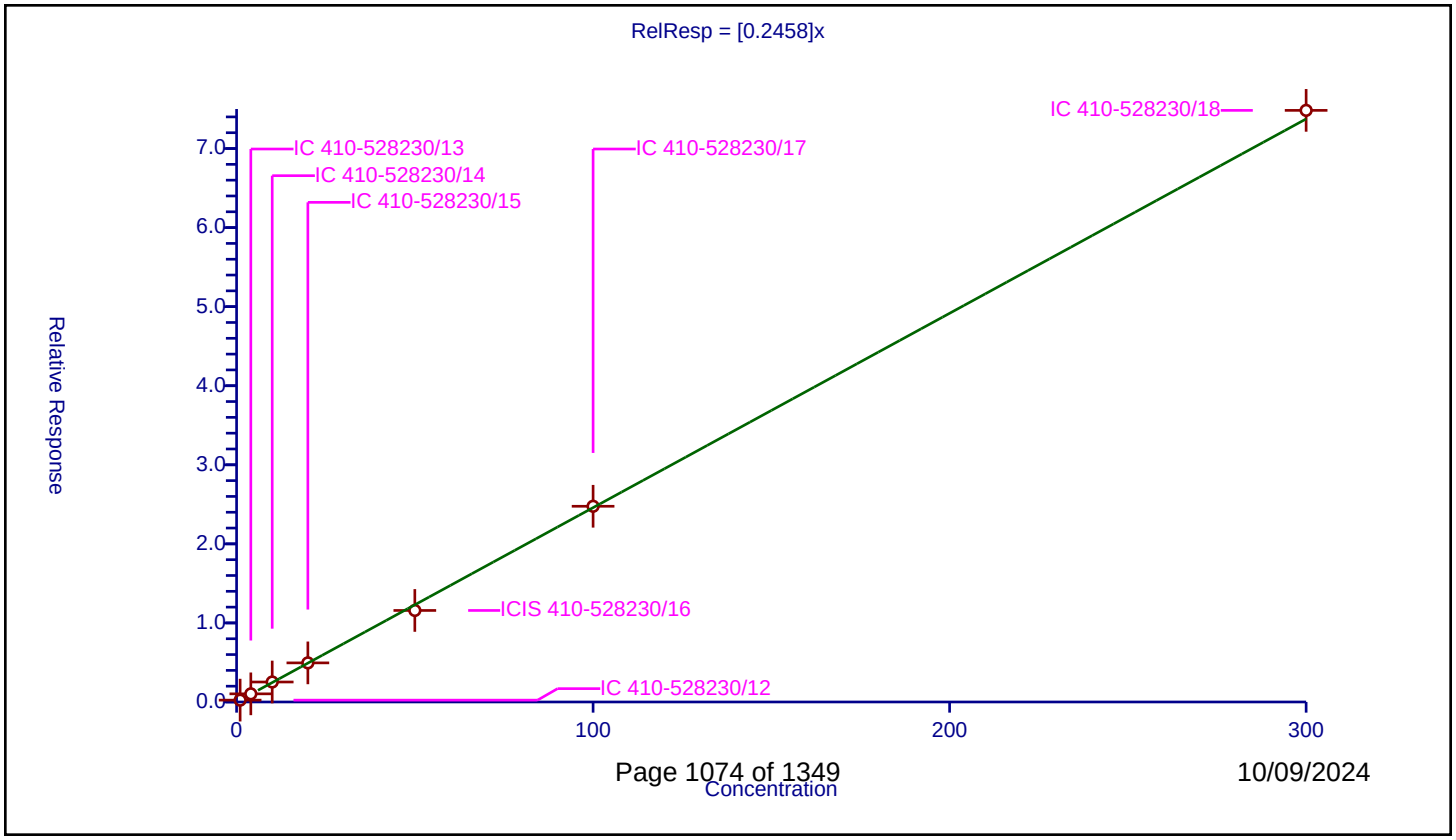
Curve Coefficients

Intercept:	0
Slope:	0.2458

Error Coefficients

Relative Standard Deviation:	3.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	1.0	0.234868	50.0	1134043.0	0.234868	Y
2	IC 410-528230/13	4.0	1.029431	50.0	1142427.0	0.257358	Y
3	IC 410-528230/14	10.0	2.526973	50.0	1120550.0	0.252697	Y
4	IC 410-528230/15	20.0	4.945636	50.0	1130350.0	0.247282	Y
5	ICIS 410-528230/16	50.0	11.575674	50.0	1137735.0	0.231513	Y
6	IC 410-528230/17	100.0	24.754417	50.0	1135563.0	0.247544	Y
7	IC 410-528230/18	300.0	74.828775	50.0	1161340.0	0.249429	Y



Calibration / Hexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

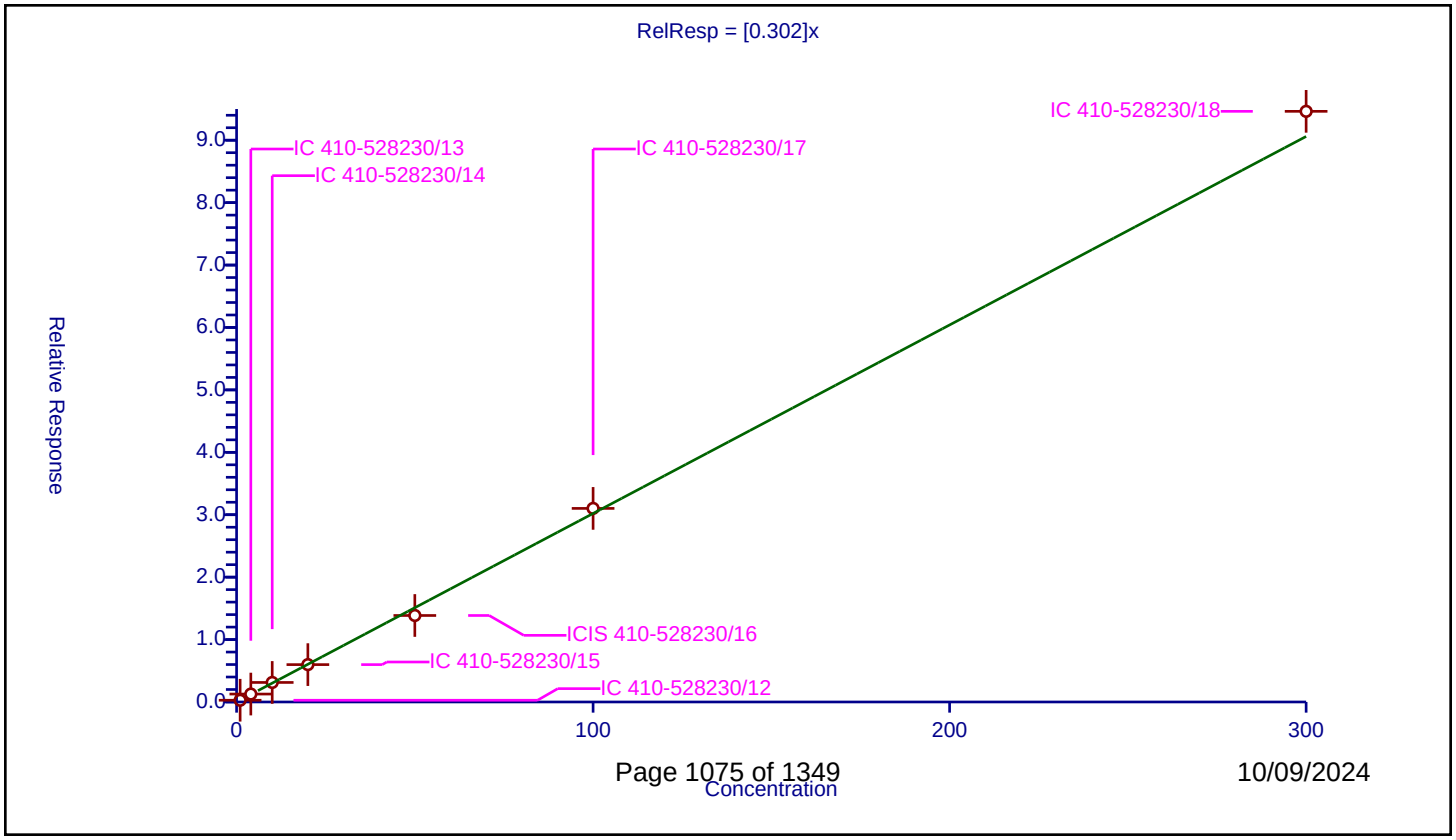
Curve Coefficients

Intercept:	0
Slope:	0.302

Error Coefficients

Relative Standard Deviation:	5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	1.0	0.28103	50.0	1134043.0	0.28103	Y
2	IC 410-528230/13	4.0	1.27286	50.0	1142427.0	0.318215	Y
3	IC 410-528230/14	10.0	3.127482	50.0	1120550.0	0.312748	Y
4	IC 410-528230/15	20.0	5.987968	50.0	1130350.0	0.299398	Y
5	ICIS 410-528230/16	50.0	13.857752	50.0	1137735.0	0.277155	Y
6	IC 410-528230/17	100.0	31.012678	50.0	1135563.0	0.310127	Y
7	IC 410-528230/18	300.0	94.628446	50.0	1161340.0	0.315428	Y



Calibration / 1,1-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

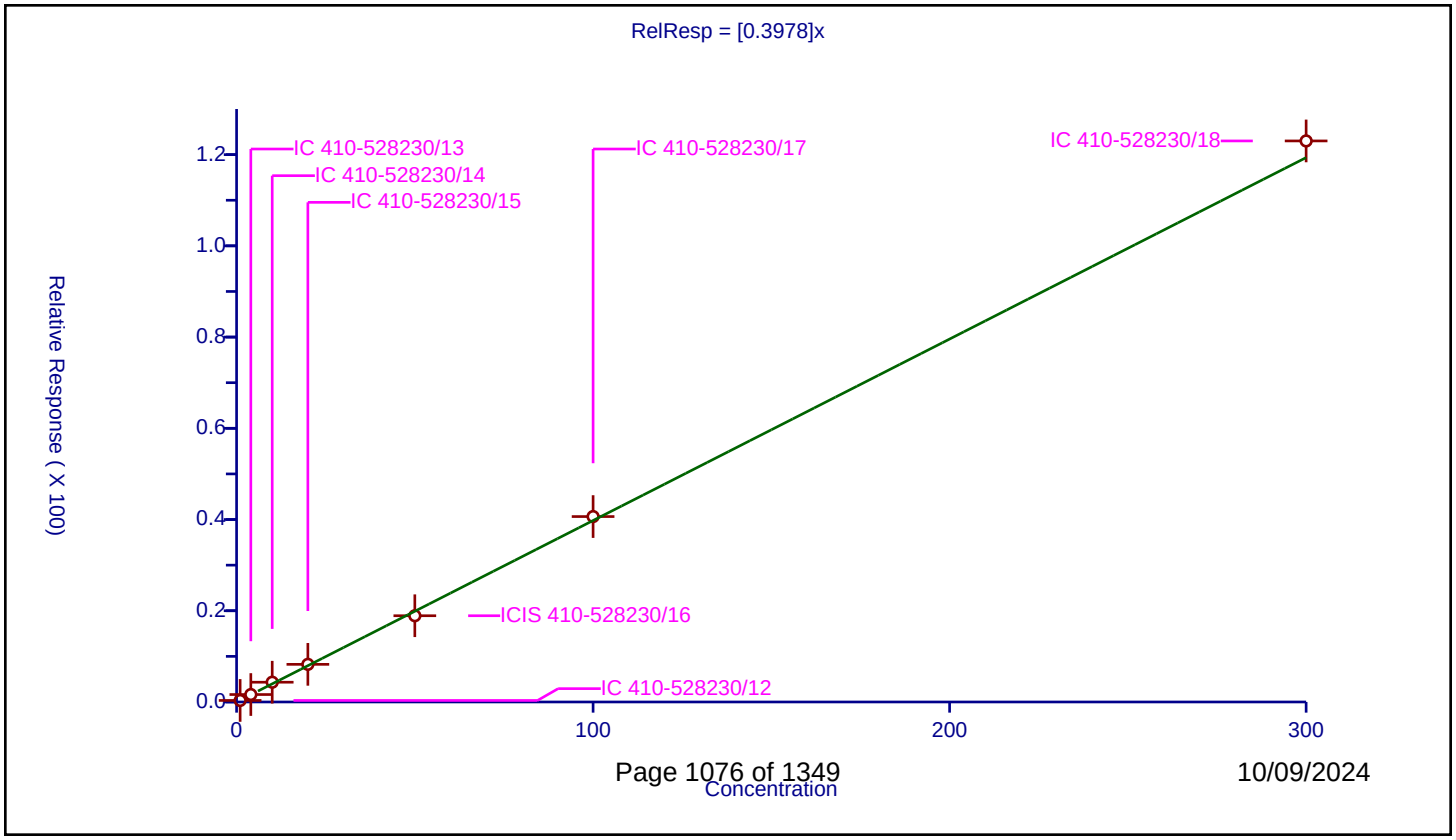
Curve Coefficients

Intercept:	0
Slope:	0.3978

Error Coefficients

Relative Standard Deviation:	8.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	1.0	0.33579	50.0	1134043.0	0.33579	Y
2	IC 410-528230/13	4.0	1.63284	50.0	1142427.0	0.40821	Y
3	IC 410-528230/14	10.0	4.335639	50.0	1120550.0	0.433564	Y
4	IC 410-528230/15	20.0	8.251736	50.0	1130350.0	0.412587	Y
5	ICIS 410-528230/16	50.0	18.909588	50.0	1137735.0	0.378192	Y
6	IC 410-528230/17	100.0	40.649704	50.0	1135563.0	0.406497	Y
7	IC 410-528230/18	300.0	123.002006	50.0	1161340.0	0.410007	Y



Calibration / Isopropyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

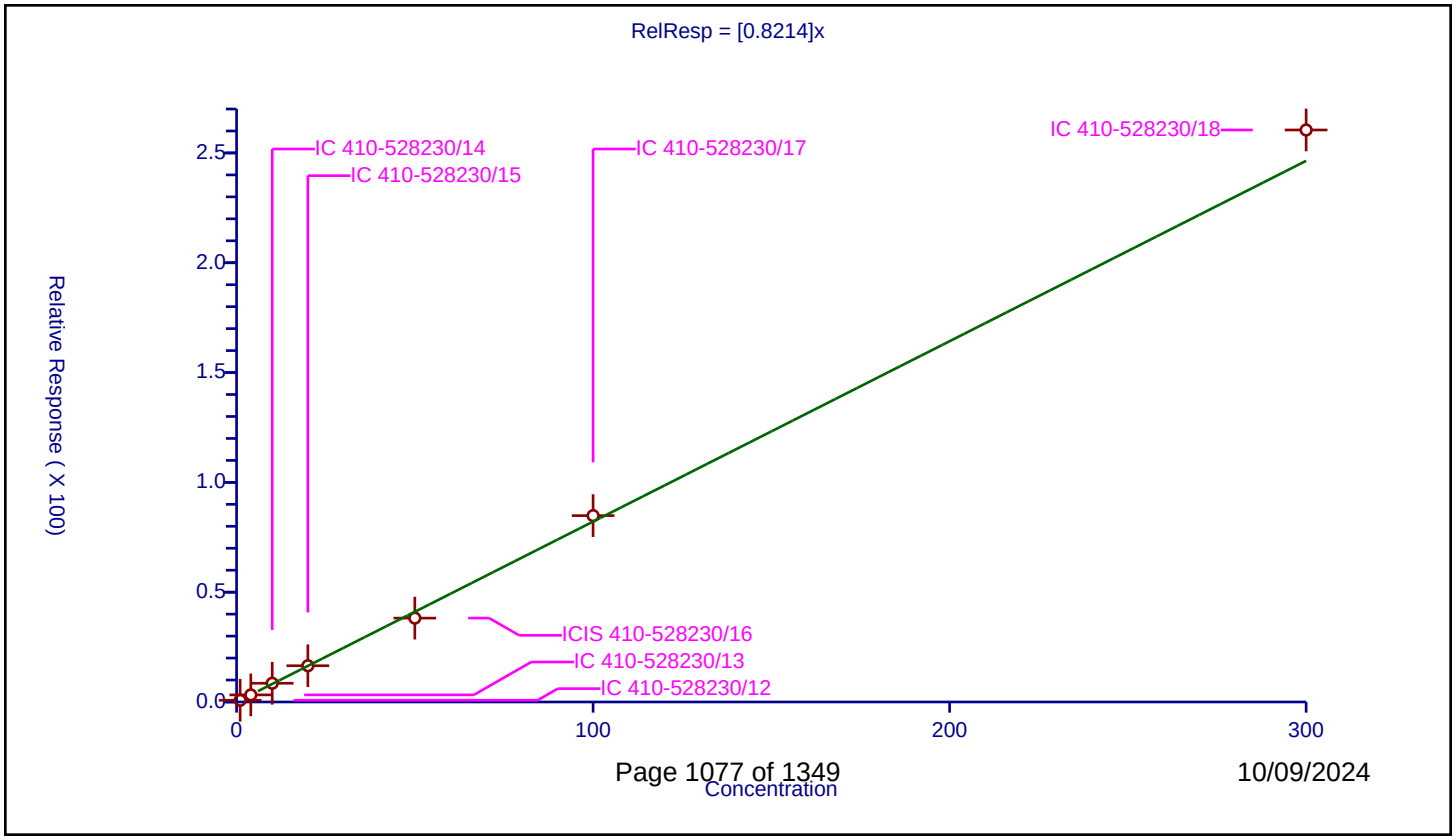
Curve Coefficients

Intercept:	0
Slope:	0.8214

Error Coefficients

Relative Standard Deviation:	4.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	1.0	0.782245	50.0	1134043.0	0.782245	Y
2	IC 410-528230/13	4.0	3.233161	50.0	1142427.0	0.80829	Y
3	IC 410-528230/14	10.0	8.532819	50.0	1120550.0	0.853282	Y
4	IC 410-528230/15	20.0	16.502322	50.0	1130350.0	0.825116	Y
5	ICIS 410-528230/16	50.0	38.192505	50.0	1137735.0	0.76385	Y
6	IC 410-528230/17	100.0	84.856719	50.0	1135563.0	0.848567	Y
7	IC 410-528230/18	300.0	260.454819	50.0	1161340.0	0.868183	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

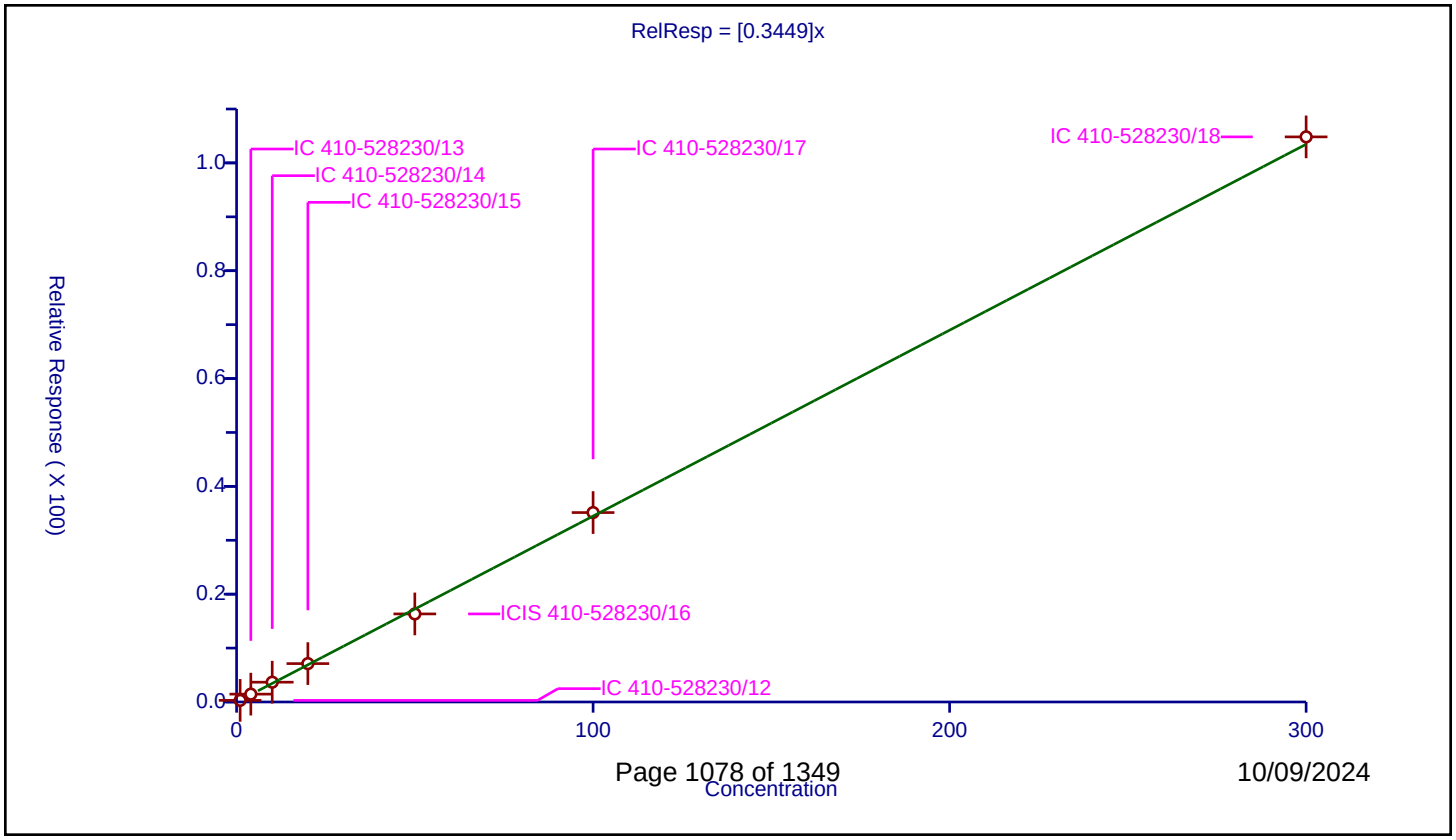
Curve Coefficients

Intercept:	0
Slope:	0.3449

Error Coefficients

Relative Standard Deviation:	7.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	1.0	0.298622	50.0	1134043.0	0.298622	Y
2	IC 410-528230/13	4.0	1.458693	50.0	1142427.0	0.364673	Y
3	IC 410-528230/14	10.0	3.671902	50.0	1120550.0	0.36719	Y
4	IC 410-528230/15	20.0	7.12014	50.0	1130350.0	0.356007	Y
5	ICIS 410-528230/16	50.0	16.337416	50.0	1137735.0	0.326748	Y
6	IC 410-528230/17	100.0	35.137813	50.0	1135563.0	0.351378	Y
7	IC 410-528230/18	300.0	104.832177	50.0	1161340.0	0.349441	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

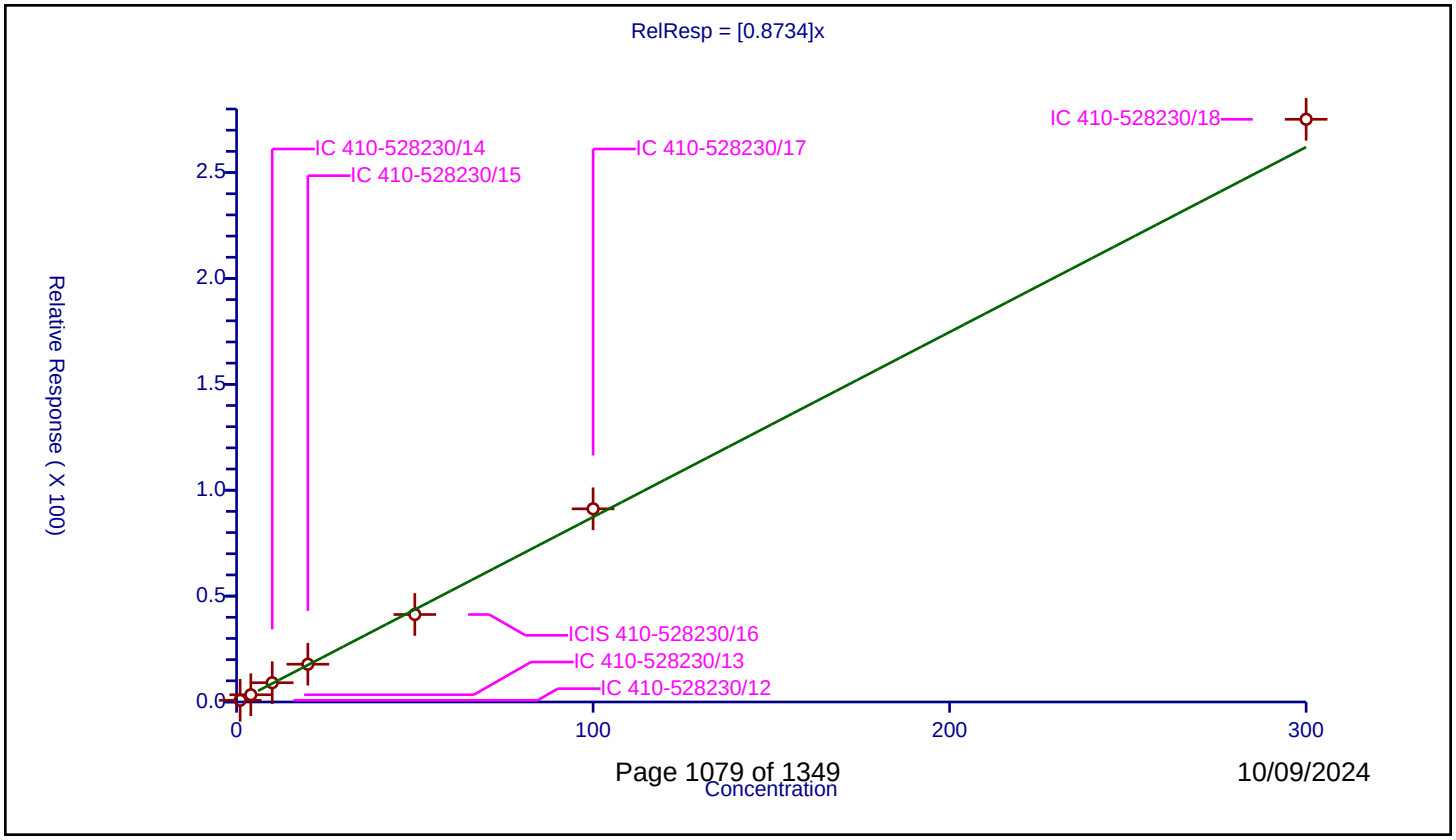
Curve Coefficients

Intercept:	0
Slope:	0.8734

Error Coefficients

Relative Standard Deviation:	5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	1.0	0.802615	50.0	1134043.0	0.802615	Y
2	IC 410-528230/13	4.0	3.417024	50.0	1142427.0	0.854256	Y
3	IC 410-528230/14	10.0	9.09415	50.0	1120550.0	0.909415	Y
4	IC 410-528230/15	20.0	17.836732	50.0	1130350.0	0.891837	Y
5	ICIS 410-528230/16	50.0	41.312388	50.0	1137735.0	0.826248	Y
6	IC 410-528230/17	100.0	91.211276	50.0	1135563.0	0.912113	Y
7	IC 410-528230/18	300.0	275.151721	50.0	1161340.0	0.917172	Y



Calibration / 2-Butanone (MEK)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

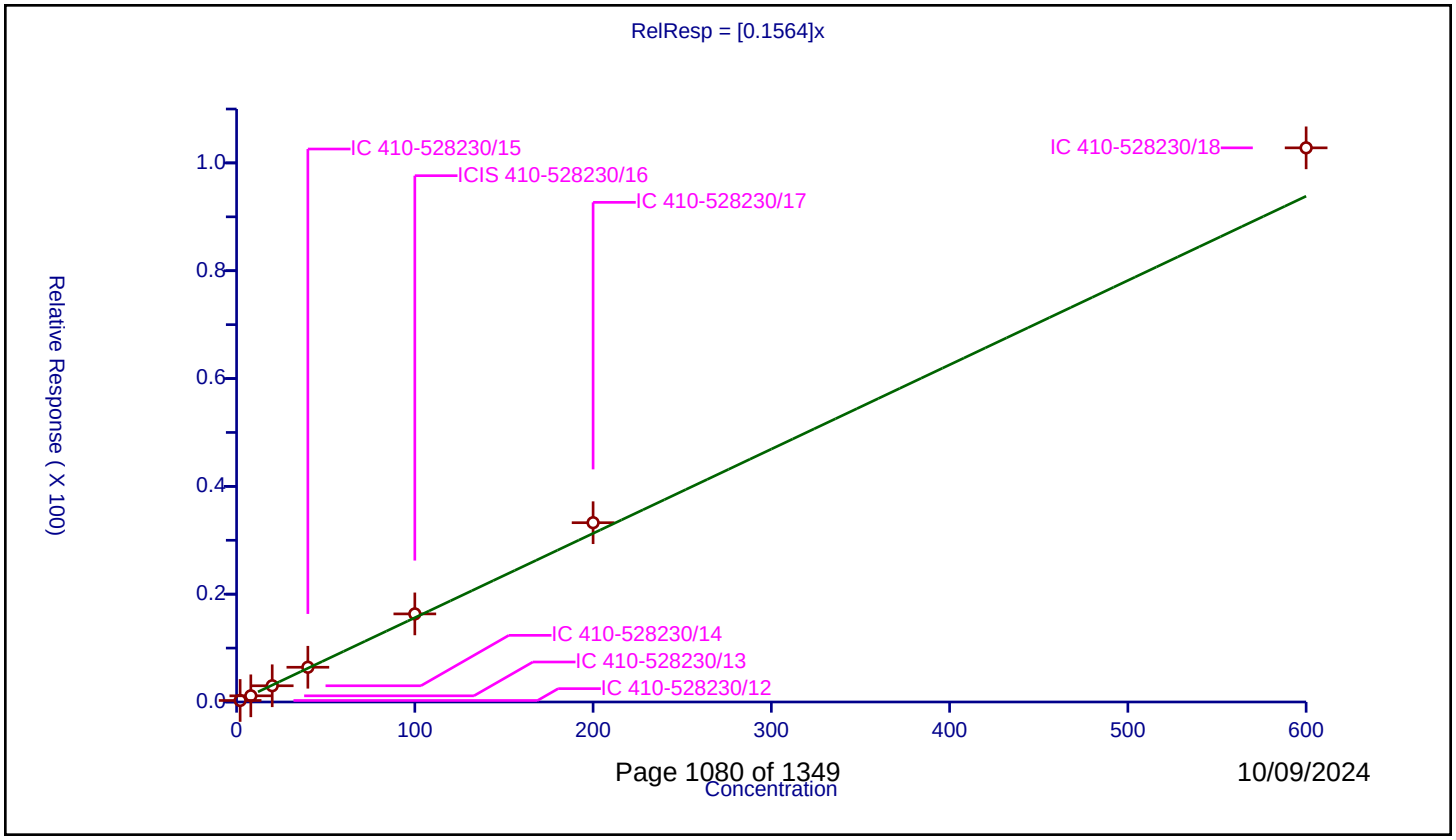
Curve Coefficients

Intercept:	0
Slope:	0.1564

Error Coefficients

Relative Standard Deviation:	7.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	2.0	0.277811	50.0	1134043.0	0.138906	Y
2	IC 410-528230/13	8.0	1.144625	50.0	1142427.0	0.143078	Y
3	IC 410-528230/14	20.0	3.011289	50.0	1120550.0	0.150564	Y
4	IC 410-528230/15	40.0	6.442208	50.0	1130350.0	0.161055	Y
5	ICIS 410-528230/16	100.0	16.341459	50.0	1137735.0	0.163415	Y
6	IC 410-528230/17	200.0	33.260418	50.0	1135563.0	0.166302	Y
7	IC 410-528230/18	600.0	102.79918	50.0	1161340.0	0.171332	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

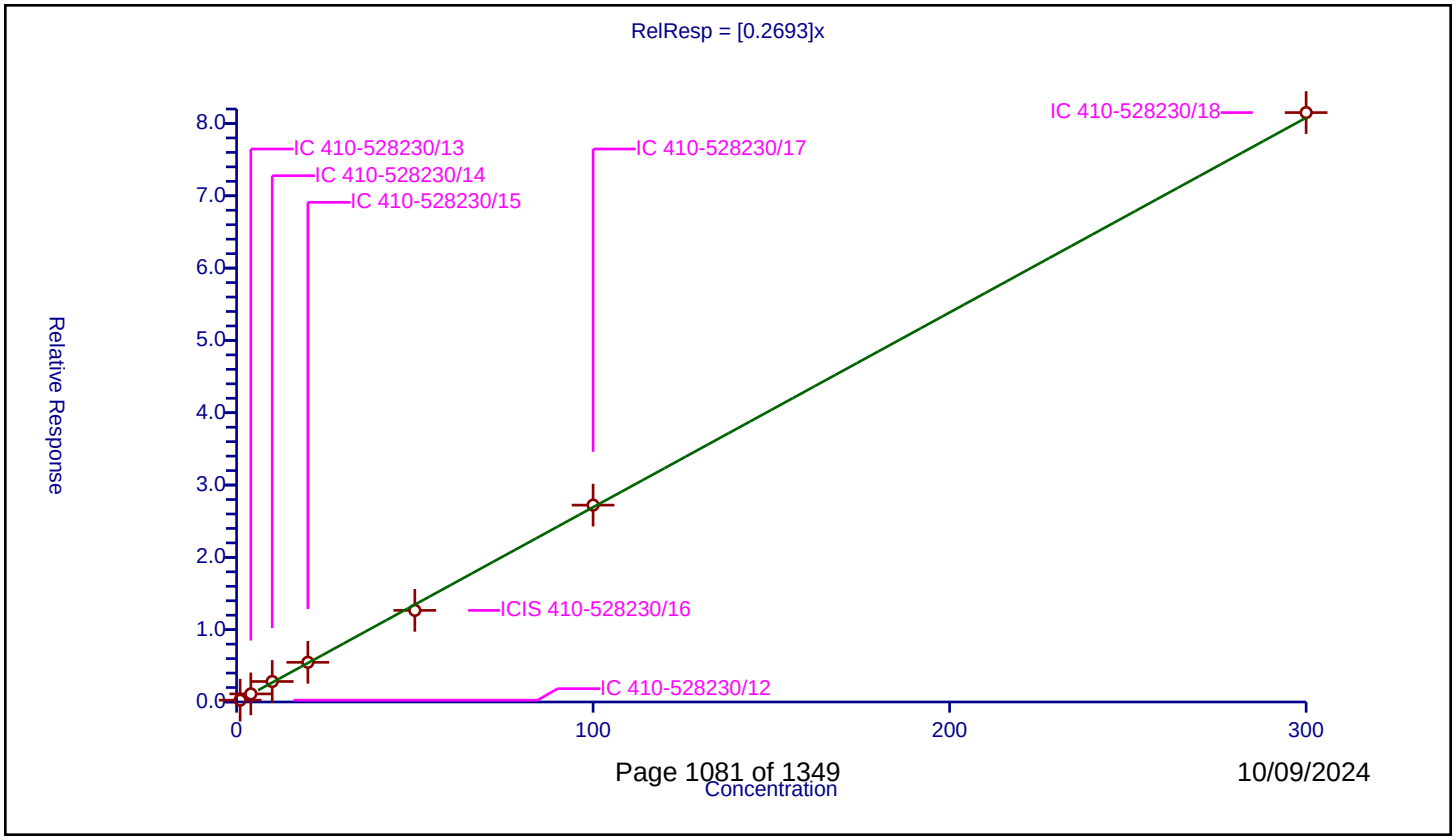
Curve Coefficients

Intercept:	0
Slope:	0.2693

Error Coefficients

Relative Standard Deviation:	4.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	1.0	0.250476	50.0	1134043.0	0.250476	Y
2	IC 410-528230/13	4.0	1.119546	50.0	1142427.0	0.279887	Y
3	IC 410-528230/14	10.0	2.833162	50.0	1120550.0	0.283316	Y
4	IC 410-528230/15	20.0	5.483611	50.0	1130350.0	0.274181	Y
5	ICIS 410-528230/16	50.0	12.670086	50.0	1137735.0	0.253402	Y
6	IC 410-528230/17	100.0	27.224998	50.0	1135563.0	0.27225	Y
7	IC 410-528230/18	300.0	81.505976	50.0	1161340.0	0.271687	Y



Calibration / 2,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

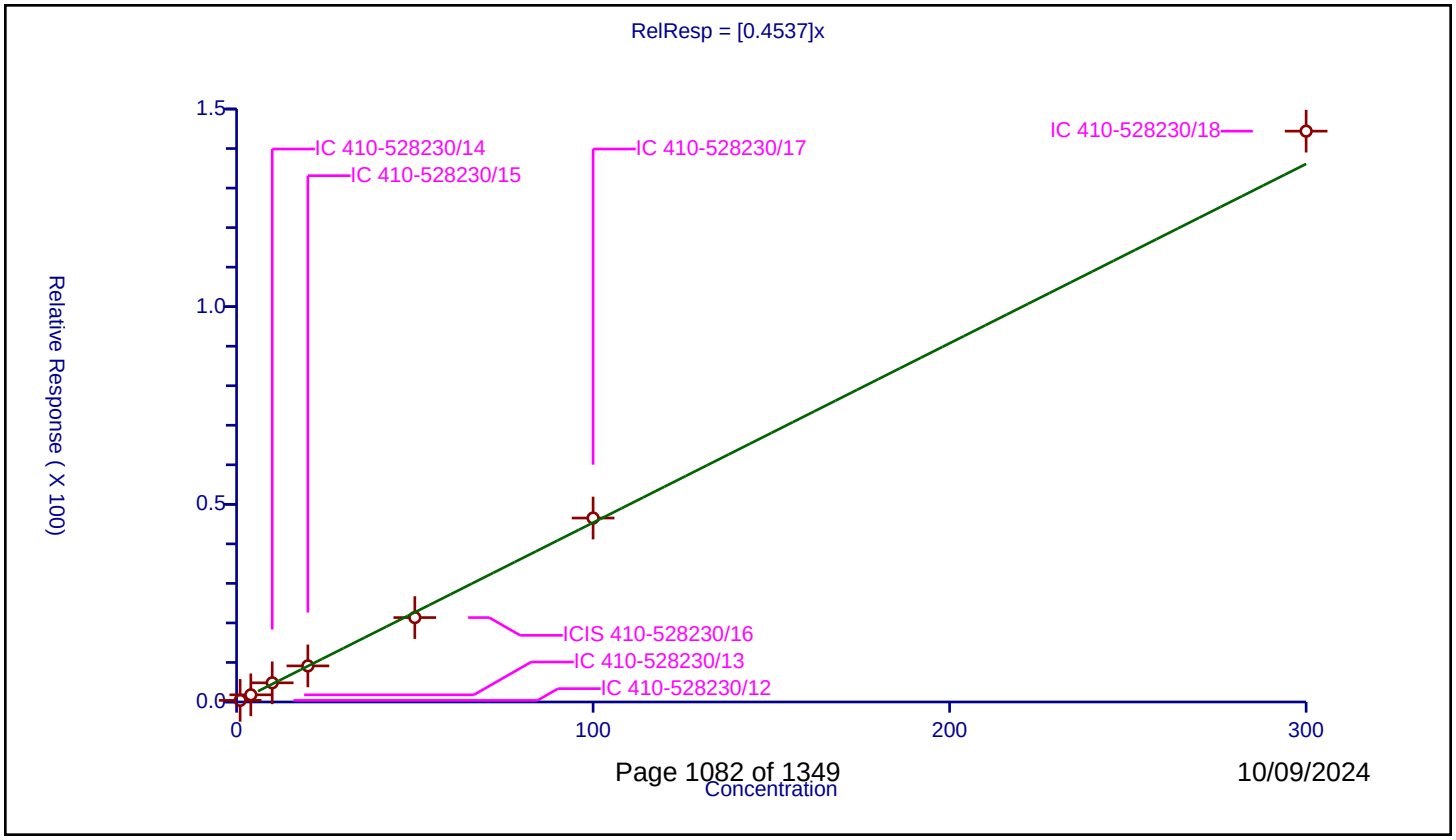
Curve Coefficients

Intercept:	0
Slope:	0.4537

Error Coefficients

Relative Standard Deviation:	6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	1.0	0.407568	50.0	1134043.0	0.407568	Y
2	IC 410-528230/13	4.0	1.812238	50.0	1142427.0	0.45306	Y
3	IC 410-528230/14	10.0	4.849137	50.0	1120550.0	0.484914	Y
4	IC 410-528230/15	20.0	9.13195	50.0	1130350.0	0.456598	Y
5	ICIS 410-528230/16	50.0	21.354402	50.0	1137735.0	0.427088	Y
6	IC 410-528230/17	100.0	46.534538	50.0	1135563.0	0.465345	Y
7	IC 410-528230/18	300.0	144.402544	50.0	1161340.0	0.481342	Y



Calibration / Propionitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

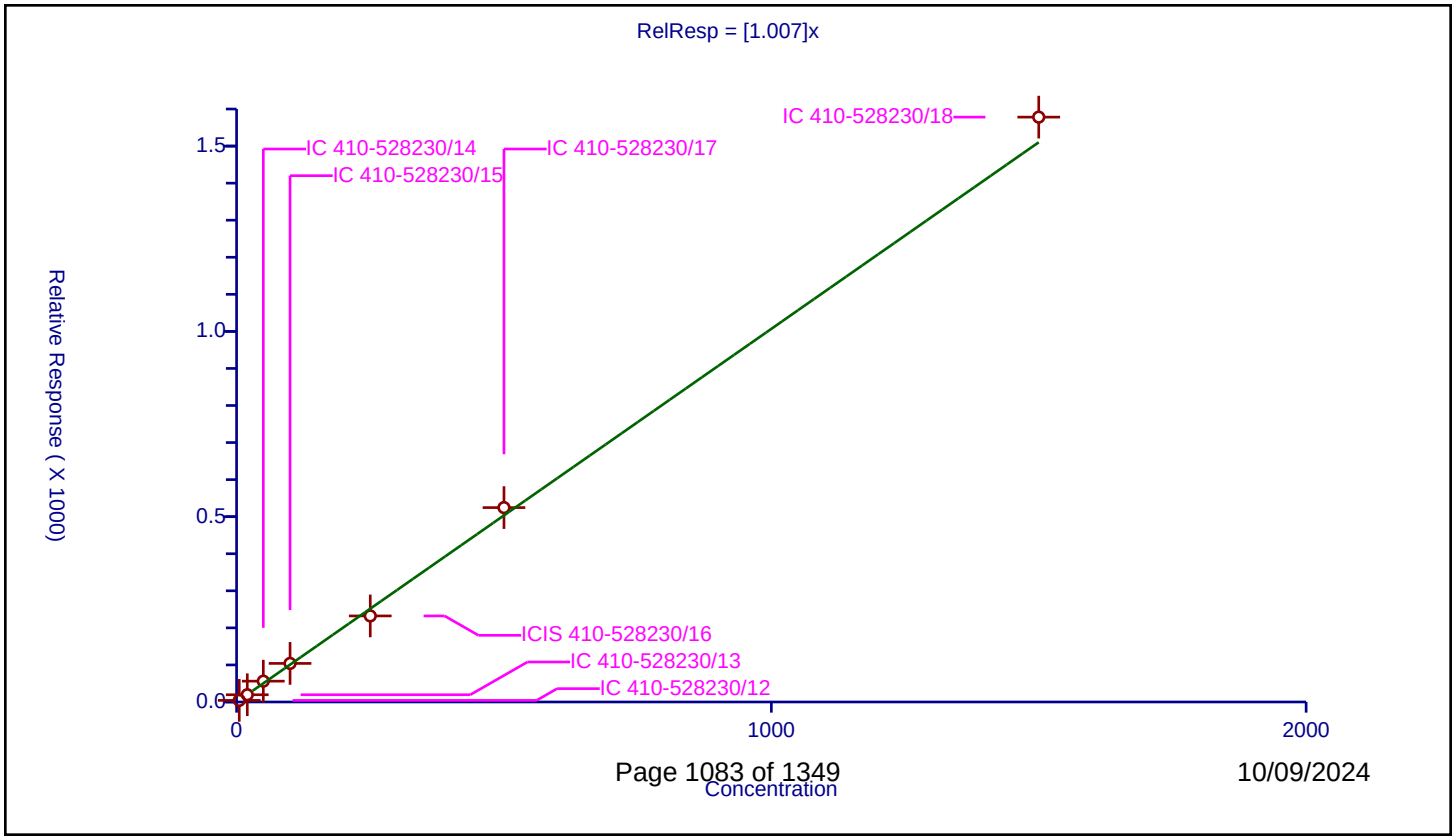
Curve Coefficients

Intercept:	0
Slope:	1.007

Error Coefficients

Relative Standard Deviation:	8.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	5.0	4.372447	250.0	280335.0	0.874489	Y
2	IC 410-528230/13	20.0	19.54398	250.0	286610.0	0.977199	Y
3	IC 410-528230/14	50.0	56.265729	250.0	282130.0	1.125315	Y
4	IC 410-528230/15	100.0	104.071243	250.0	293866.0	1.040712	Y
5	ICIS 410-528230/16	250.0	232.220982	250.0	295545.0	0.928884	Y
6	IC 410-528230/17	500.0	524.52594	250.0	300753.0	1.049052	Y
7	IC 410-528230/18	1500.0	1578.160495	250.0	307262.0	1.052107	Y



Calibration / Methyl acrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

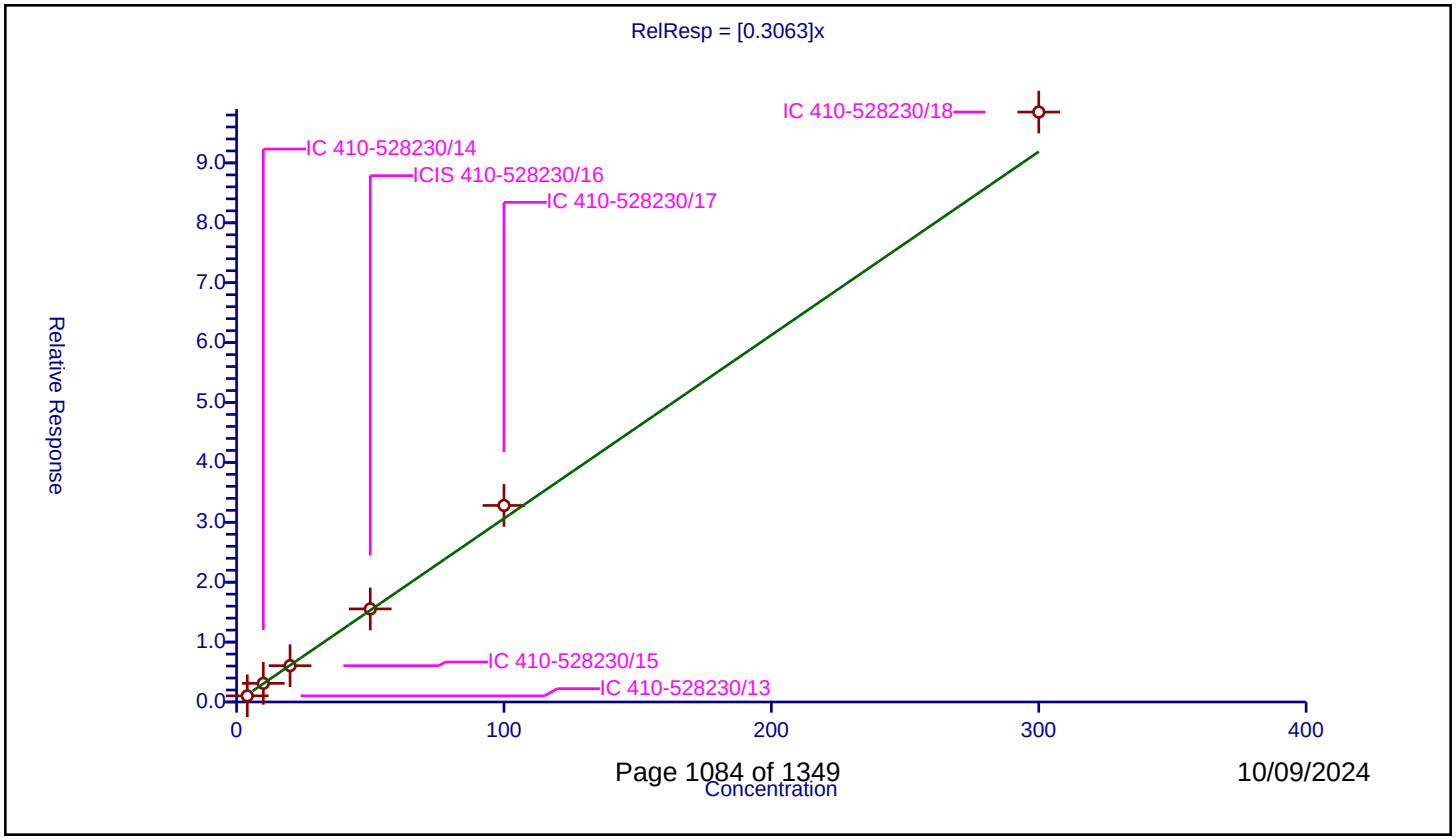
Curve Coefficients

Intercept:	0
Slope:	0.3063

Error Coefficients

Relative Standard Deviation:	8.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/13	4.000191	1.024923	50.0	1142427.0	0.256219	Y
2	IC 410-528230/14	10.000478	3.111642	50.0	1120550.0	0.311149	Y
3	IC 410-528230/15	20.000956	6.061087	50.0	1130350.0	0.30304	Y
4	ICIS 410-528230/16	50.00239	15.541844	50.0	1137735.0	0.310822	Y
5	IC 410-528230/17	100.00478	32.812534	50.0	1135563.0	0.32811	Y
6	IC 410-528230/18	300.01434	98.492302	50.0	1161340.0	0.328292	Y



Calibration / Methacrylonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

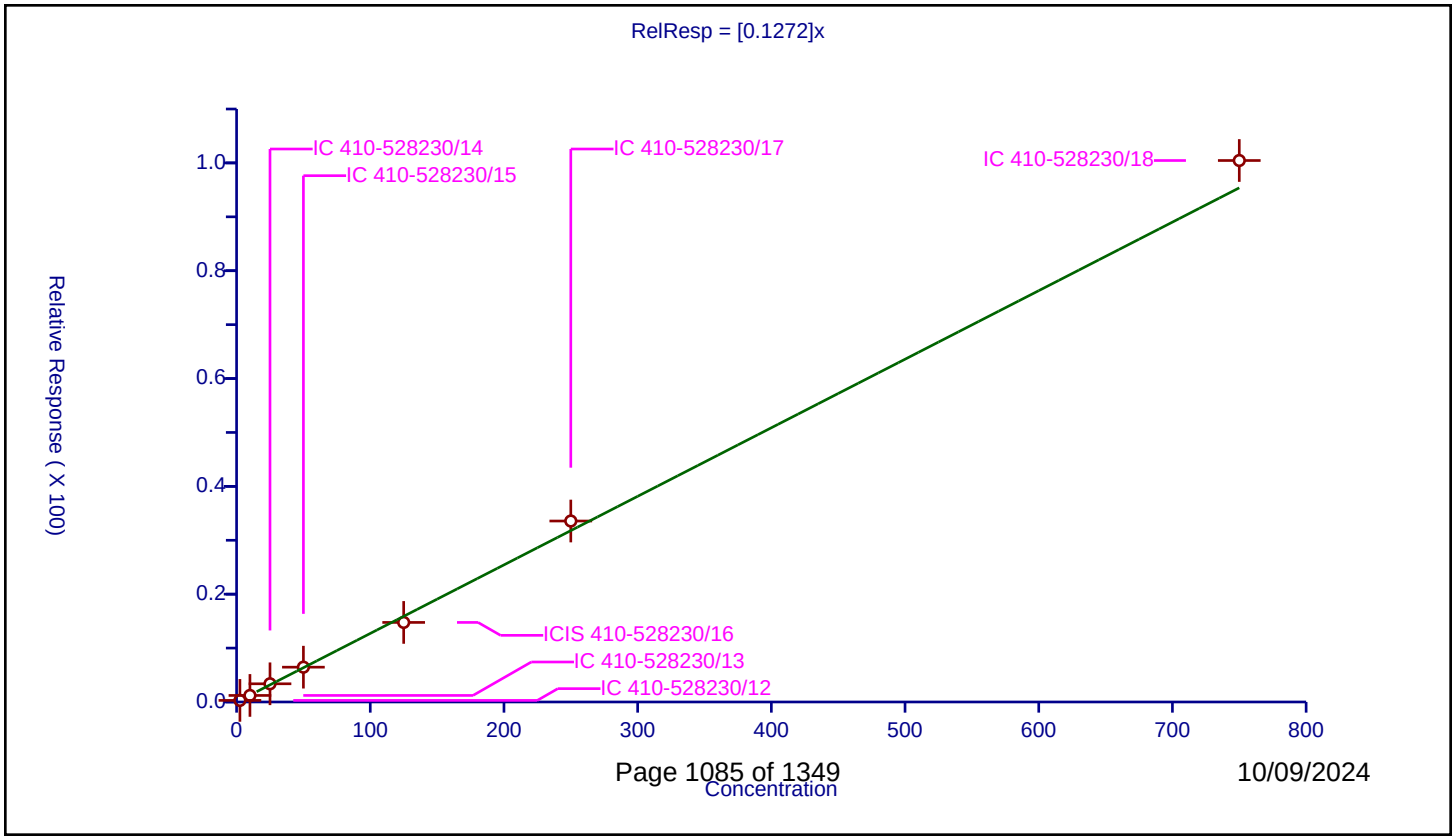
Curve Coefficients

Intercept:	0
Slope:	0.1272

Error Coefficients

Relative Standard Deviation:	6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	2.5	0.295051	50.0	1134043.0	0.11802	Y
2	IC 410-528230/13	10.0	1.215395	50.0	1142427.0	0.121539	Y
3	IC 410-528230/14	25.0	3.378564	50.0	1120550.0	0.135143	Y
4	IC 410-528230/15	50.0	6.458752	50.0	1130350.0	0.129175	Y
5	ICIS 410-528230/16	125.0	14.760994	50.0	1137735.0	0.118088	Y
6	IC 410-528230/17	250.0	33.570528	50.0	1135563.0	0.134282	Y
7	IC 410-528230/18	750.0	100.4475	50.0	1161340.0	0.13393	Y



Calibration / Chlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

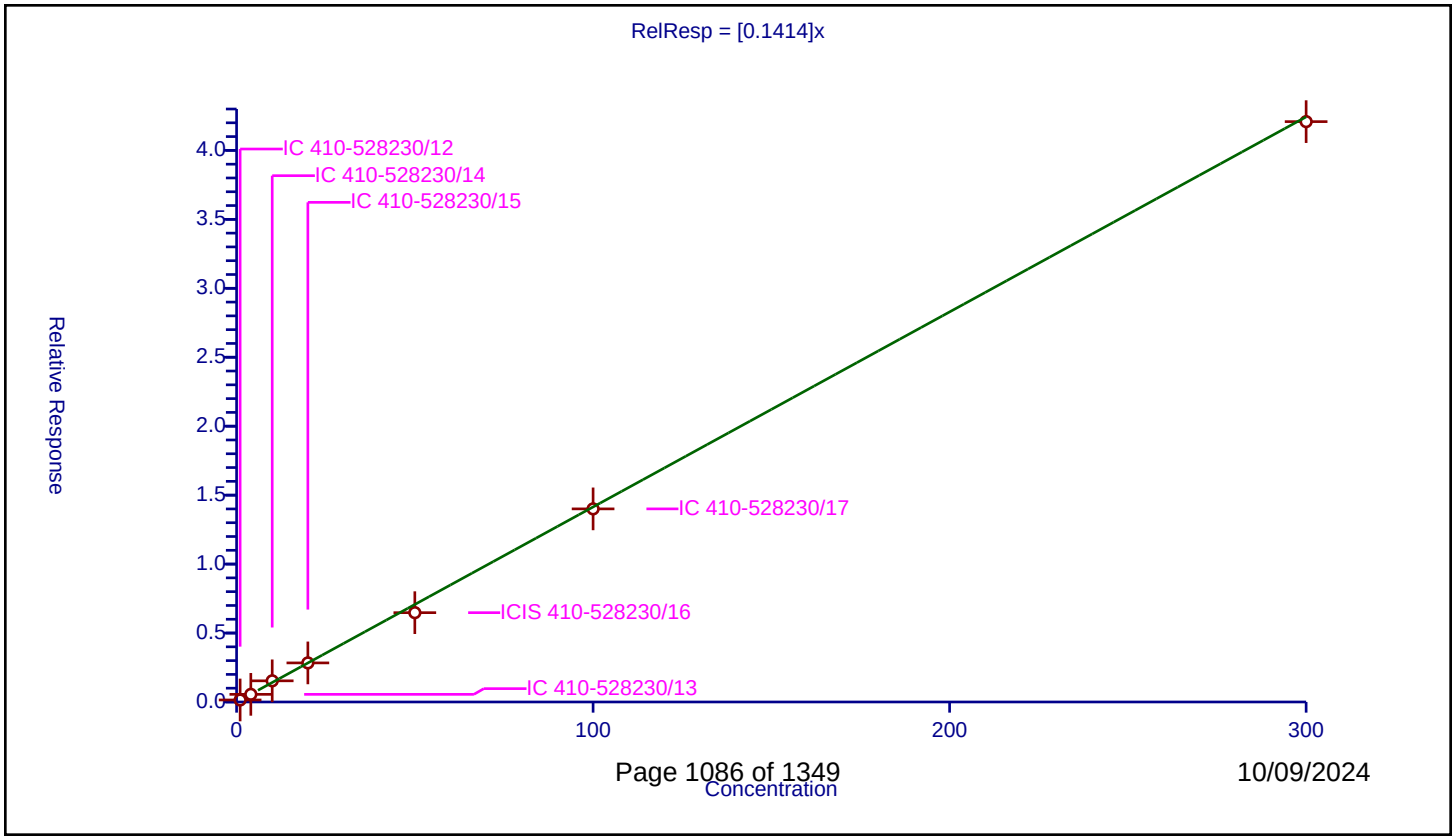
Curve Coefficients

Intercept:	0
Slope:	0.1414

Error Coefficients

Relative Standard Deviation:	5.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	1.0	0.146864	50.0	1134043.0	0.146864	Y
2	IC 410-528230/13	4.0	0.553121	50.0	1142427.0	0.13828	Y
3	IC 410-528230/14	10.0	1.533577	50.0	1120550.0	0.153358	Y
4	IC 410-528230/15	20.0	2.833237	50.0	1130350.0	0.141662	Y
5	ICIS 410-528230/16	50.0	6.476684	50.0	1137735.0	0.129534	Y
6	IC 410-528230/17	100.0	14.002349	50.0	1135563.0	0.140023	Y
7	IC 410-528230/18	300.0	42.08535	50.0	1161340.0	0.140284	Y



Calibration / Tetrahydrofuran

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

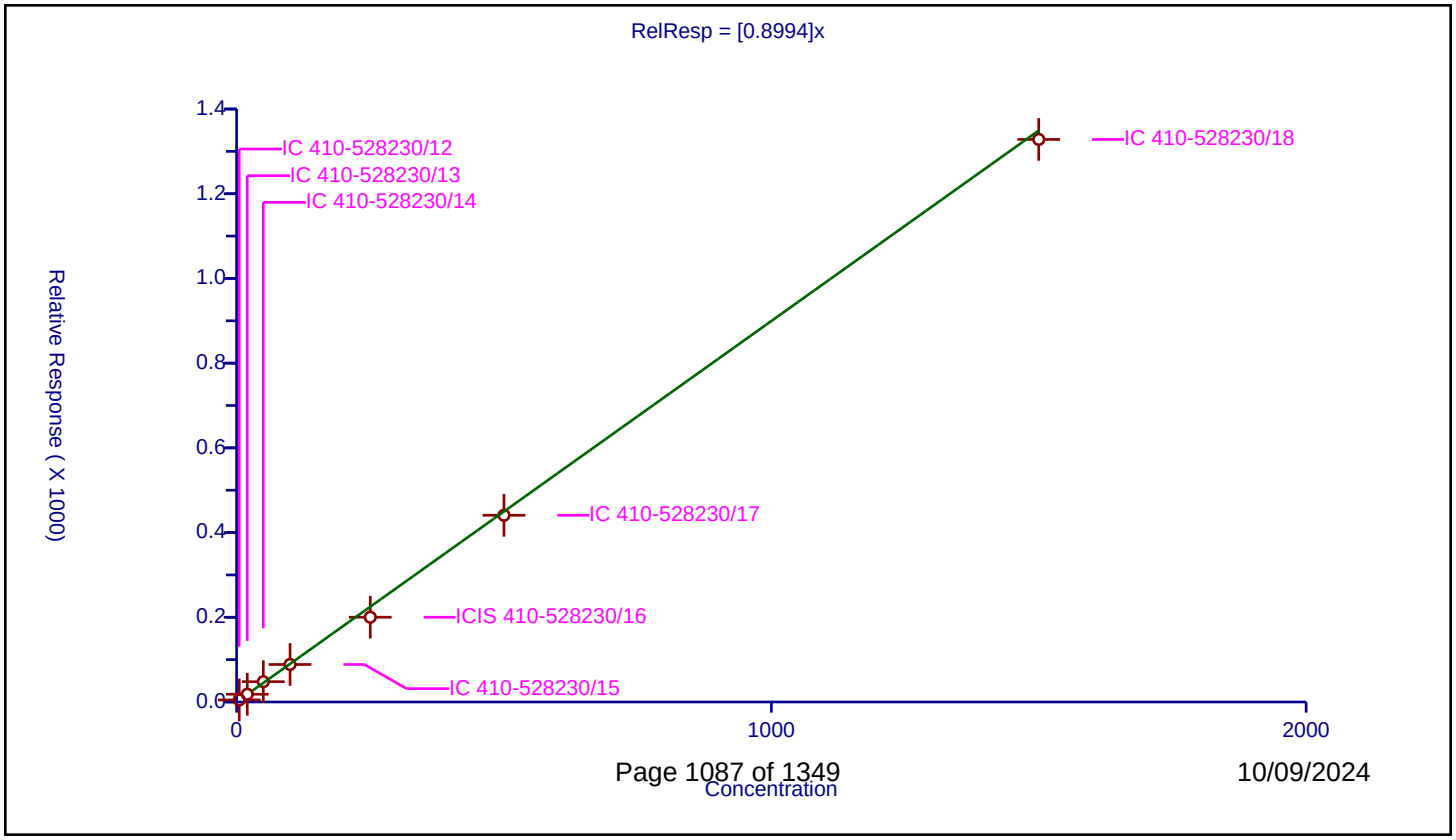
Curve Coefficients

Intercept:	0
Slope:	0.8994

Error Coefficients

Relative Standard Deviation:	6.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	5.0	4.844204	250.0	280335.0	0.968841	Y
2	IC 410-528230/13	20.0	18.30449	250.0	286610.0	0.915225	Y
3	IC 410-528230/14	50.0	47.935349	250.0	282130.0	0.958707	Y
4	IC 410-528230/15	100.0	88.572683	250.0	293866.0	0.885727	Y
5	ICIS 410-528230/16	250.0	200.141264	250.0	295545.0	0.800565	Y
6	IC 410-528230/17	500.0	440.801089	250.0	300753.0	0.881602	Y
7	IC 410-528230/18	1500.0	1328.215009	250.0	307262.0	0.885477	Y



Calibration / Chloroform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

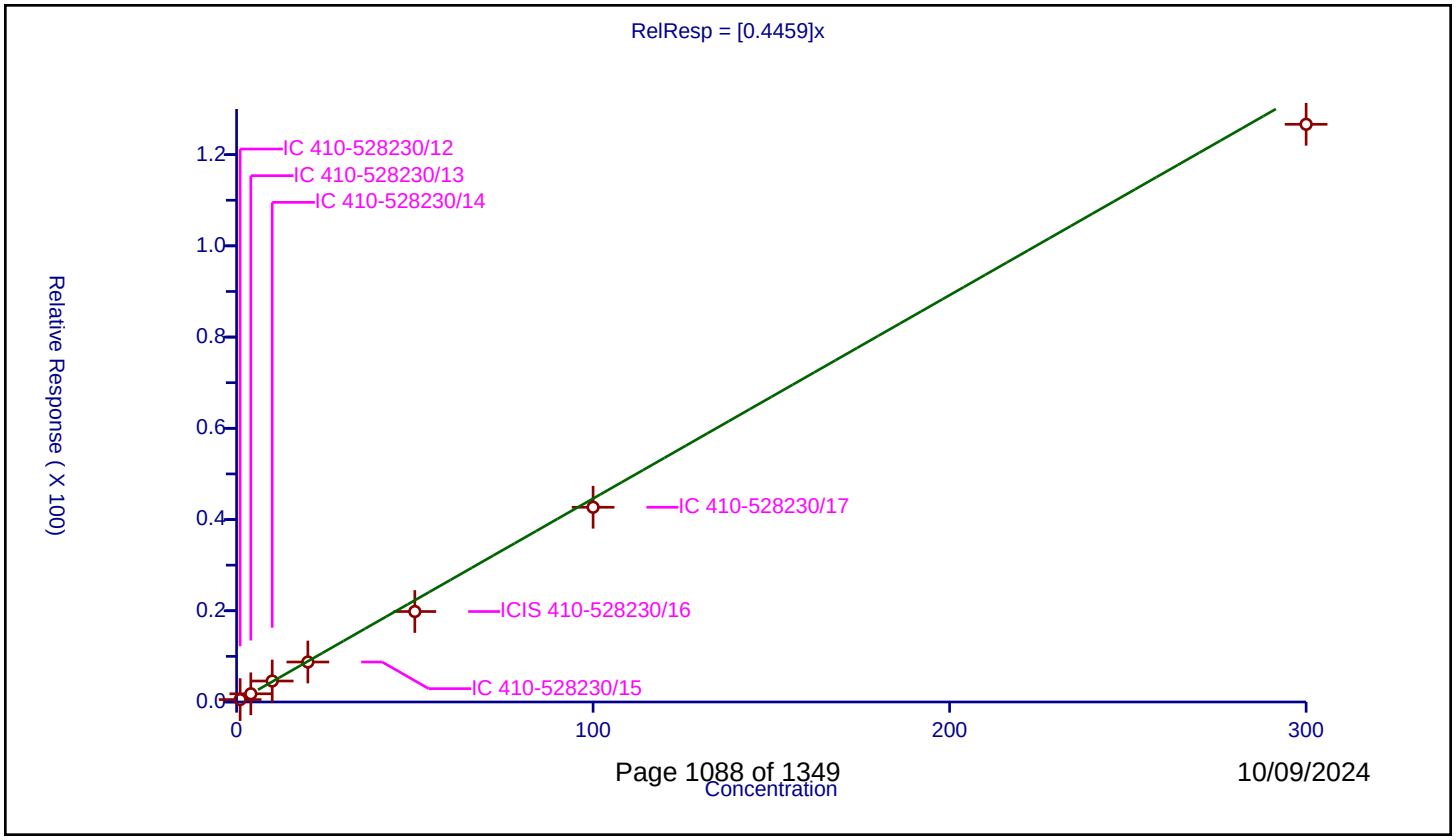
Curve Coefficients

Intercept:	0
Slope:	0.4459

Error Coefficients

Relative Standard Deviation:	9.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	1.0	0.528684	50.0	1134043.0	0.528684	Y
2	IC 410-528230/13	4.0	1.796264	50.0	1142427.0	0.449066	Y
3	IC 410-528230/14	10.0	4.599304	50.0	1120550.0	0.45993	Y
4	IC 410-528230/15	20.0	8.764852	50.0	1130350.0	0.438243	Y
5	ICIS 410-528230/16	50.0	19.830672	50.0	1137735.0	0.396613	Y
6	IC 410-528230/17	100.0	42.691731	50.0	1135563.0	0.426917	Y
7	IC 410-528230/18	300.0	126.652617	50.0	1161340.0	0.422175	Y



Calibration / Dibromofluoromethane (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

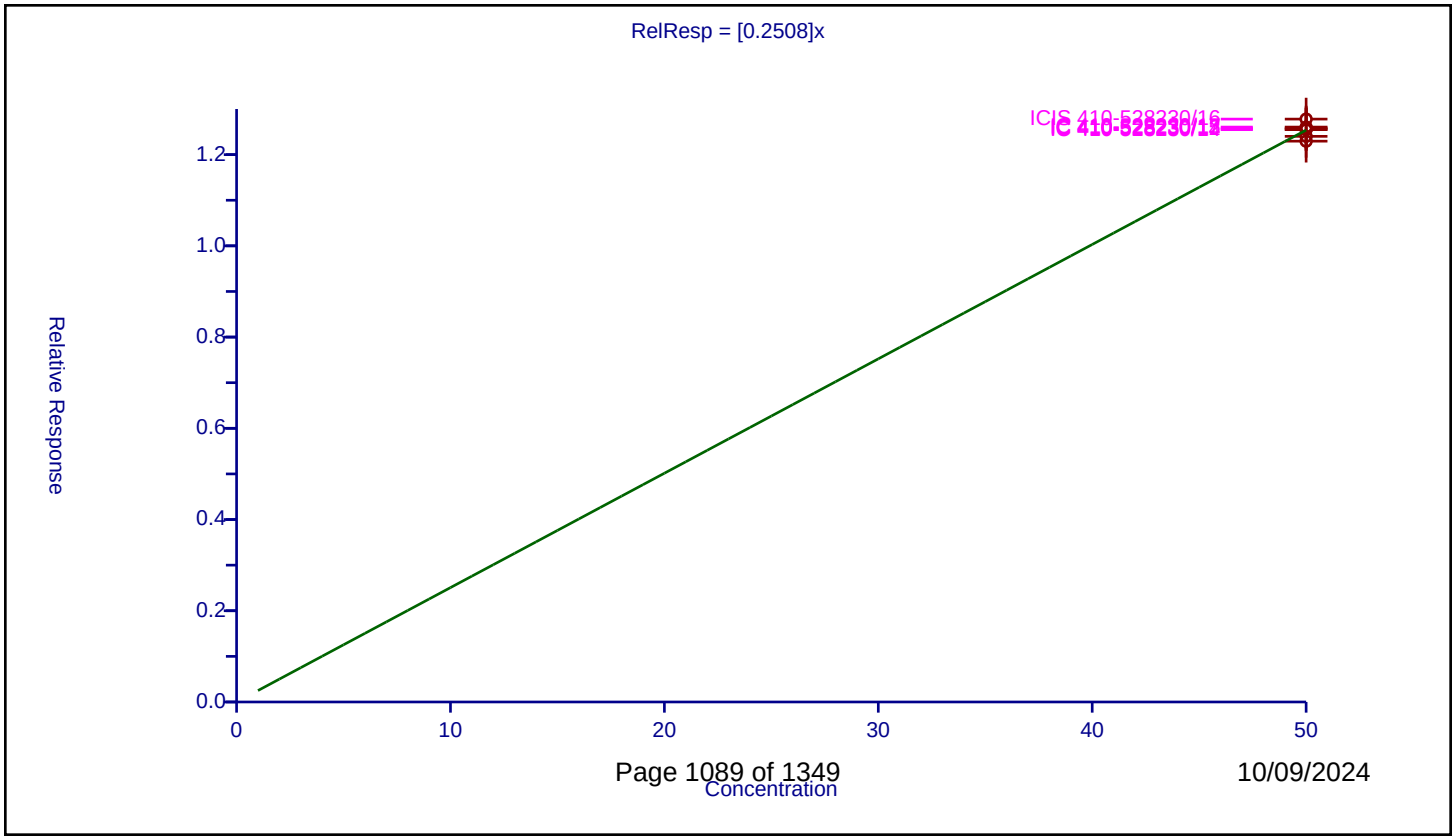
Curve Coefficients

Intercept:	0
Slope:	0.2508

Error Coefficients

Relative Standard Deviation:	1.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	50.0	12.555785	50.0	1134043.0	0.251116	Y
2	IC 410-528230/13	50.0	12.400617	50.0	1142427.0	0.248012	Y
3	IC 410-528230/14	50.0	12.547677	50.0	1120550.0	0.250954	Y
4	IC 410-528230/15	50.0	12.581546	50.0	1130350.0	0.251631	Y
5	ICIS 410-528230/16	50.0	12.779118	50.0	1137735.0	0.255582	Y
6	IC 410-528230/17	50.0	12.604321	50.0	1135563.0	0.252086	Y
7	IC 410-528230/18	50.0	12.294677	50.0	1161340.0	0.245894	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

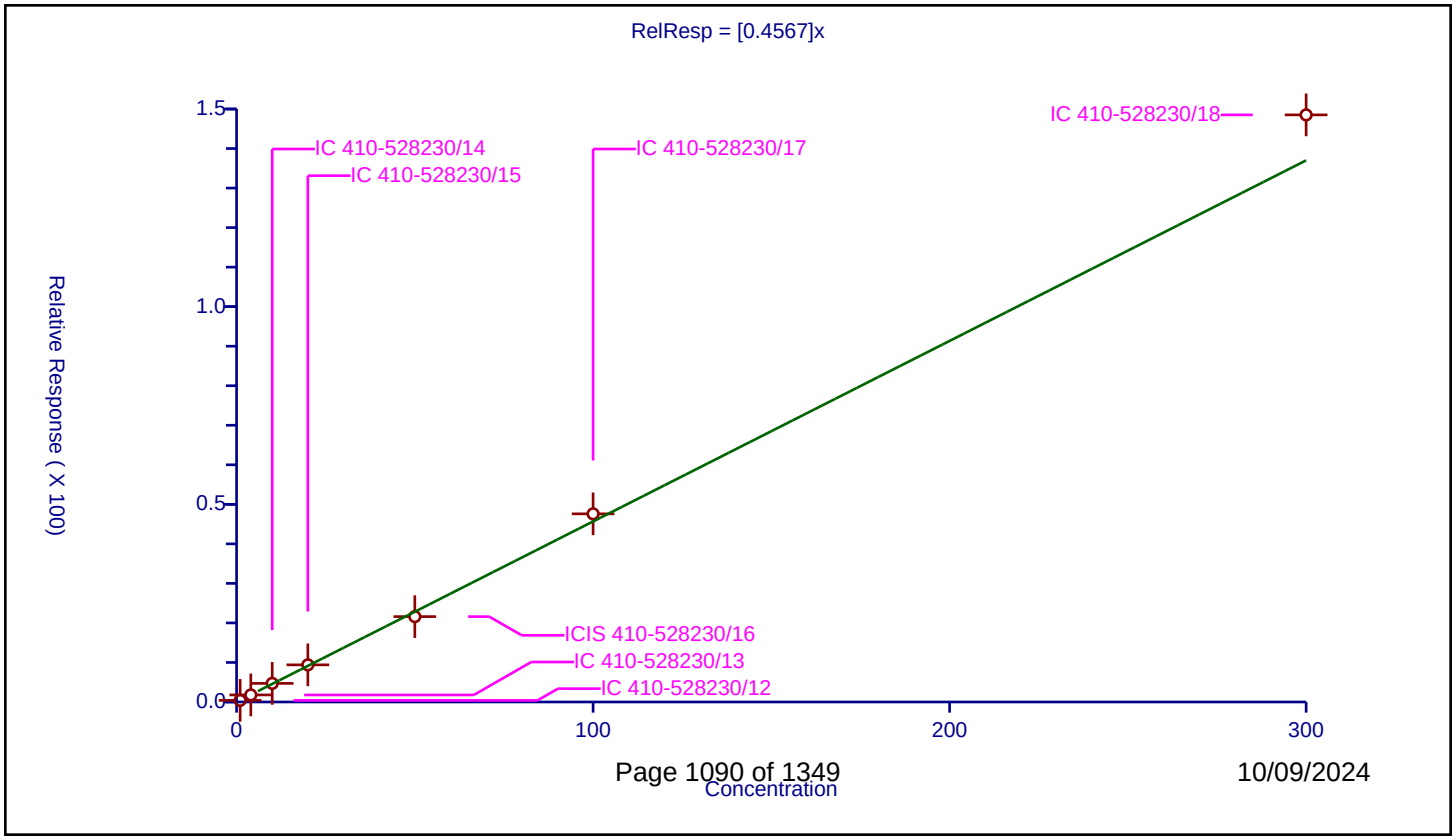
Curve Coefficients

Intercept:	0
Slope:	0.4567

Error Coefficients

Relative Standard Deviation:	6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	1.0	0.407127	50.0	1134043.0	0.407127	Y
2	IC 410-528230/13	4.0	1.785935	50.0	1142427.0	0.446484	Y
3	IC 410-528230/14	10.0	4.706751	50.0	1120550.0	0.470675	Y
4	IC 410-528230/15	20.0	9.391649	50.0	1130350.0	0.469582	Y
5	ICIS 410-528230/16	50.0	21.599054	50.0	1137735.0	0.431981	Y
6	IC 410-528230/17	100.0	47.592692	50.0	1135563.0	0.475927	Y
7	IC 410-528230/18	300.0	148.513527	50.0	1161340.0	0.495045	Y



Calibration / Cyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

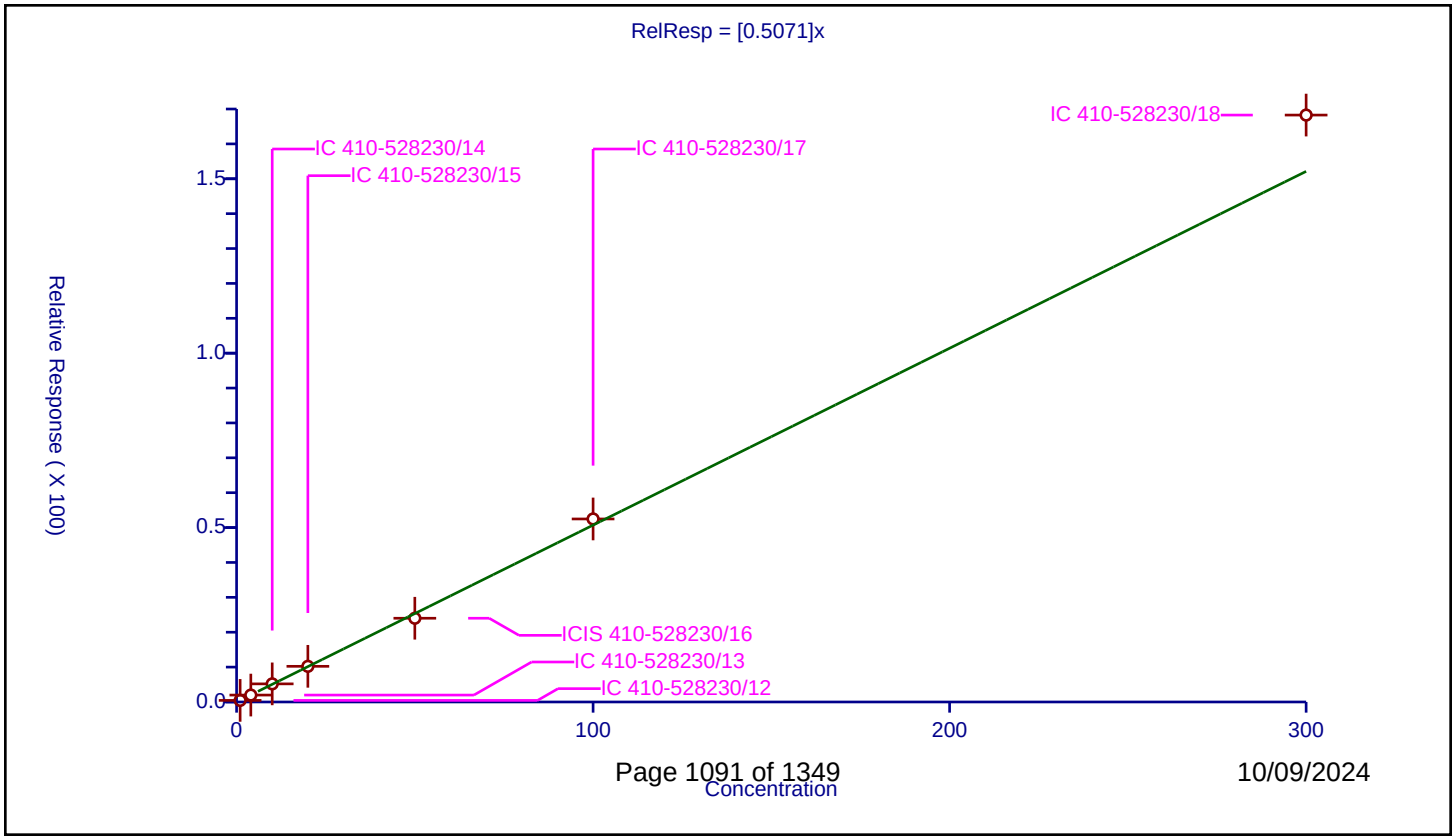
Curve Coefficients

Intercept:	0
Slope:	0.5071

Error Coefficients

Relative Standard Deviation:	6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	1.0	0.457919	50.0	1134043.0	0.457919	Y
2	IC 410-528230/13	4.0	1.981483	50.0	1142427.0	0.495371	Y
3	IC 410-528230/14	10.0	5.191112	50.0	1120550.0	0.519111	Y
4	IC 410-528230/15	20.0	10.2244	50.0	1130350.0	0.51122	Y
5	ICIS 410-528230/16	50.0	24.012885	50.0	1137735.0	0.480258	Y
6	IC 410-528230/17	100.0	52.474543	50.0	1135563.0	0.524745	Y
7	IC 410-528230/18	300.0	168.264074	50.0	1161340.0	0.56088	Y



Calibration / Carbon tetrachloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

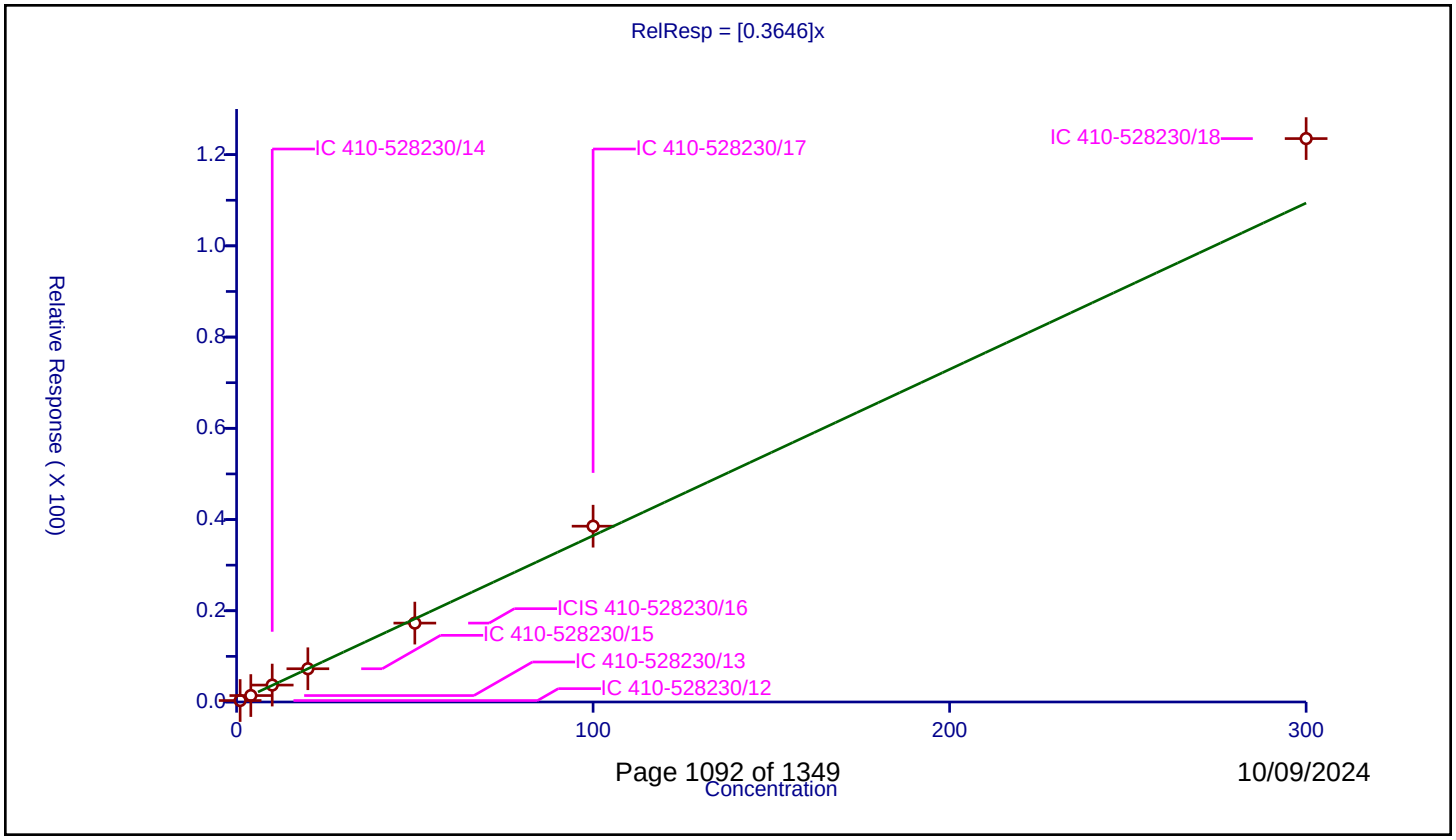
Curve Coefficients

Intercept:	0
Slope:	0.3646

Error Coefficients

Relative Standard Deviation:	8.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	1.0	0.320579	50.0	1134043.0	0.320579	Y
2	IC 410-528230/13	4.0	1.414445	50.0	1142427.0	0.353611	Y
3	IC 410-528230/14	10.0	3.708536	50.0	1120550.0	0.370854	Y
4	IC 410-528230/15	20.0	7.285177	50.0	1130350.0	0.364259	Y
5	ICIS 410-528230/16	50.0	17.29546	50.0	1137735.0	0.345909	Y
6	IC 410-528230/17	100.0	38.541235	50.0	1135563.0	0.385412	Y
7	IC 410-528230/18	300.0	123.515852	50.0	1161340.0	0.41172	Y



Calibration / 1,1-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

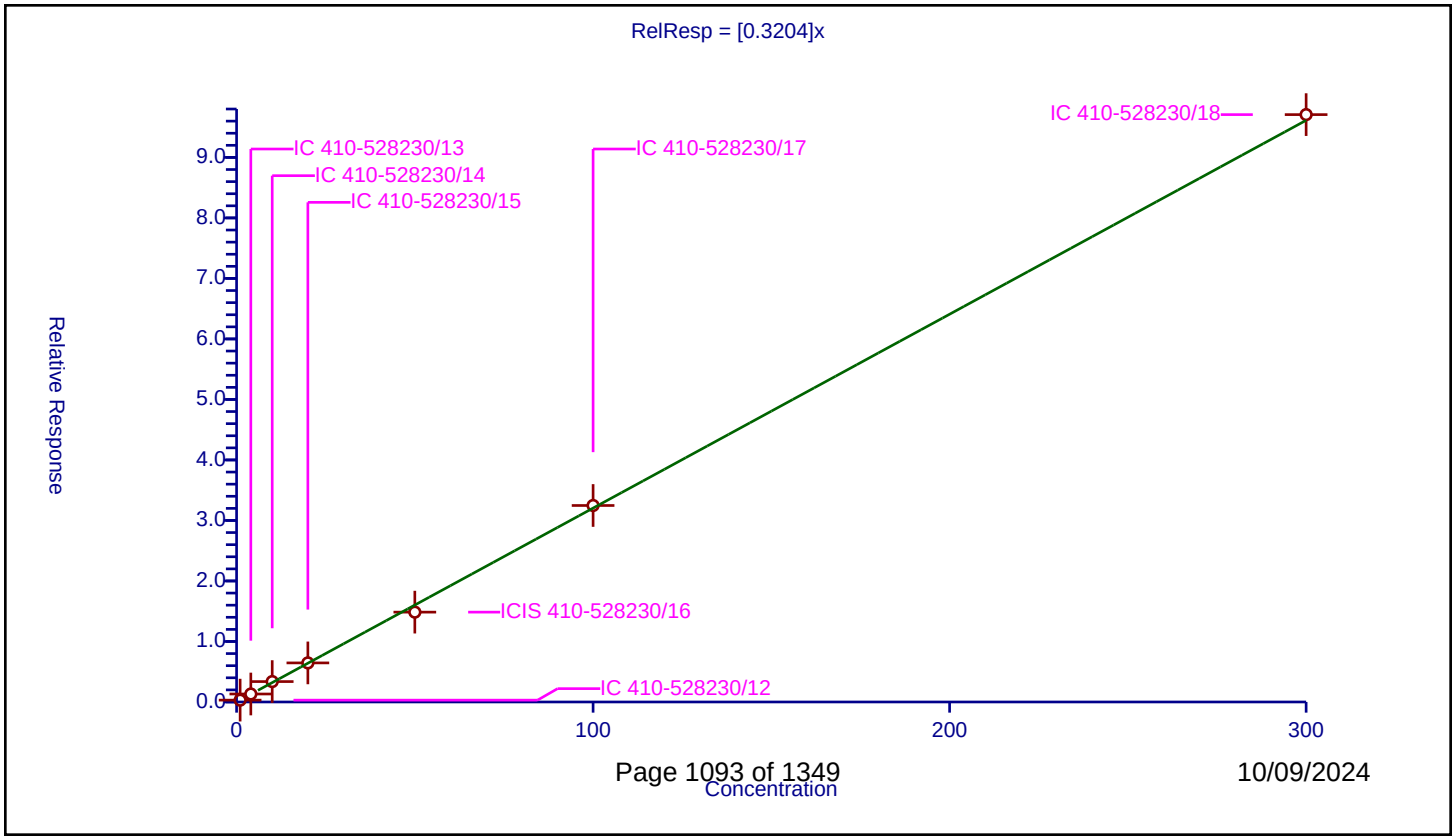
Curve Coefficients

Intercept:	0
Slope:	0.3204

Error Coefficients

Relative Standard Deviation:	4.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	1.0	0.307572	50.0	1134043.0	0.307572	Y
2	IC 410-528230/13	4.0	1.31794	50.0	1142427.0	0.329485	Y
3	IC 410-528230/14	10.0	3.375842	50.0	1120550.0	0.337584	Y
4	IC 410-528230/15	20.0	6.460831	50.0	1130350.0	0.323042	Y
5	ICIS 410-528230/16	50.0	14.850602	50.0	1137735.0	0.297012	Y
6	IC 410-528230/17	100.0	32.473936	50.0	1135563.0	0.324739	Y
7	IC 410-528230/18	300.0	97.074974	50.0	1161340.0	0.323583	Y



Calibration / Isobutyl alcohol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

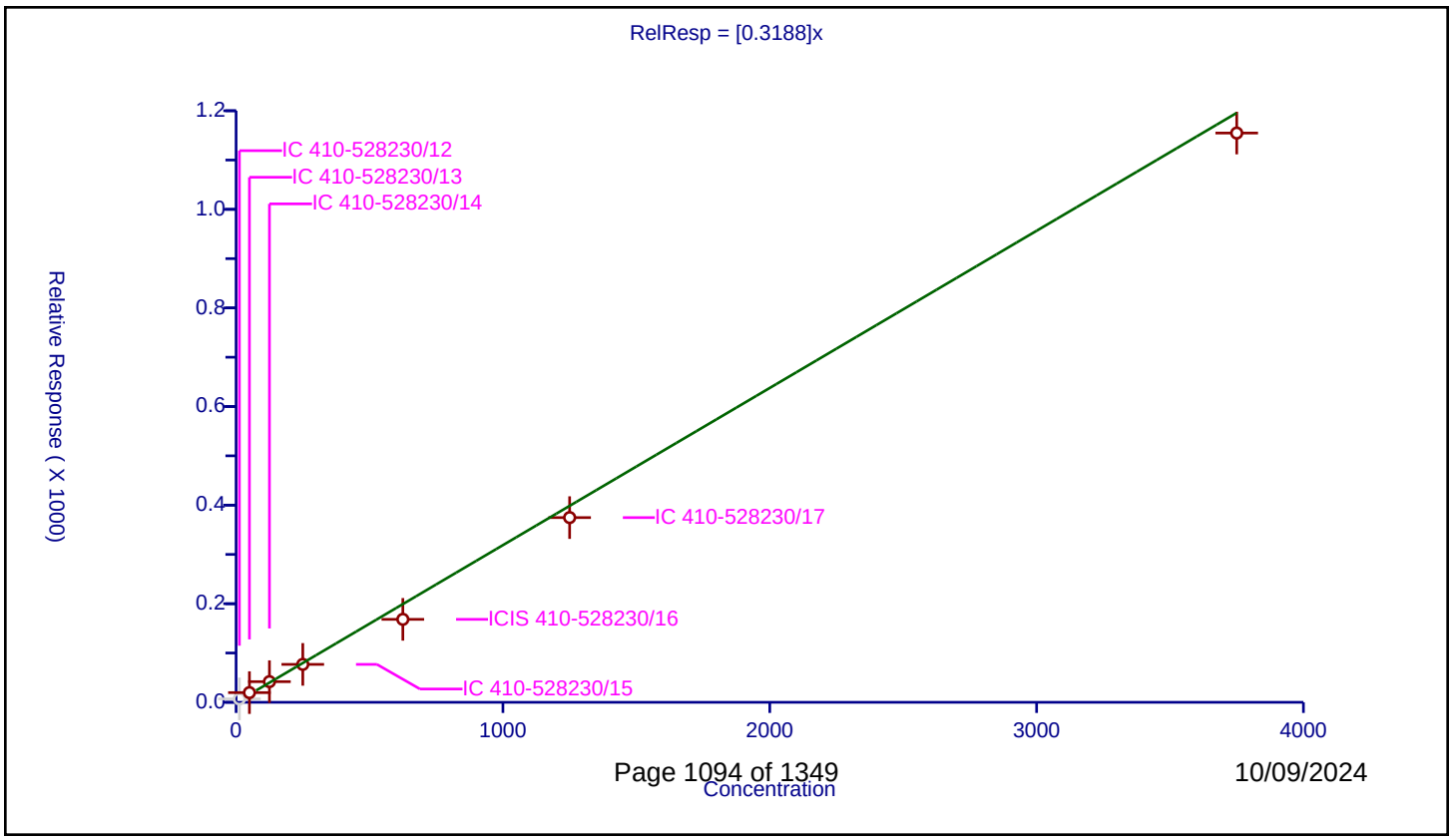
Curve Coefficients

Intercept:	0
Slope:	0.3188

Error Coefficients

Relative Standard Deviation:	13.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	12.5	6.928318	250.0	280335.0	0.554265	N
2	IC 410-528230/13	50.0	19.64429	250.0	286610.0	0.392886	Y
3	IC 410-528230/14	125.0	41.918619	250.0	282130.0	0.335349	Y
4	IC 410-528230/15	250.0	76.931322	250.0	293866.0	0.307725	Y
5	ICIS 410-528230/16	625.0	168.31024	250.0	295545.0	0.269296	Y
6	IC 410-528230/17	1250.0	374.731923	250.0	300753.0	0.299786	Y
7	IC 410-528230/18	3750.0	1154.770196	250.0	307262.0	0.307939	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

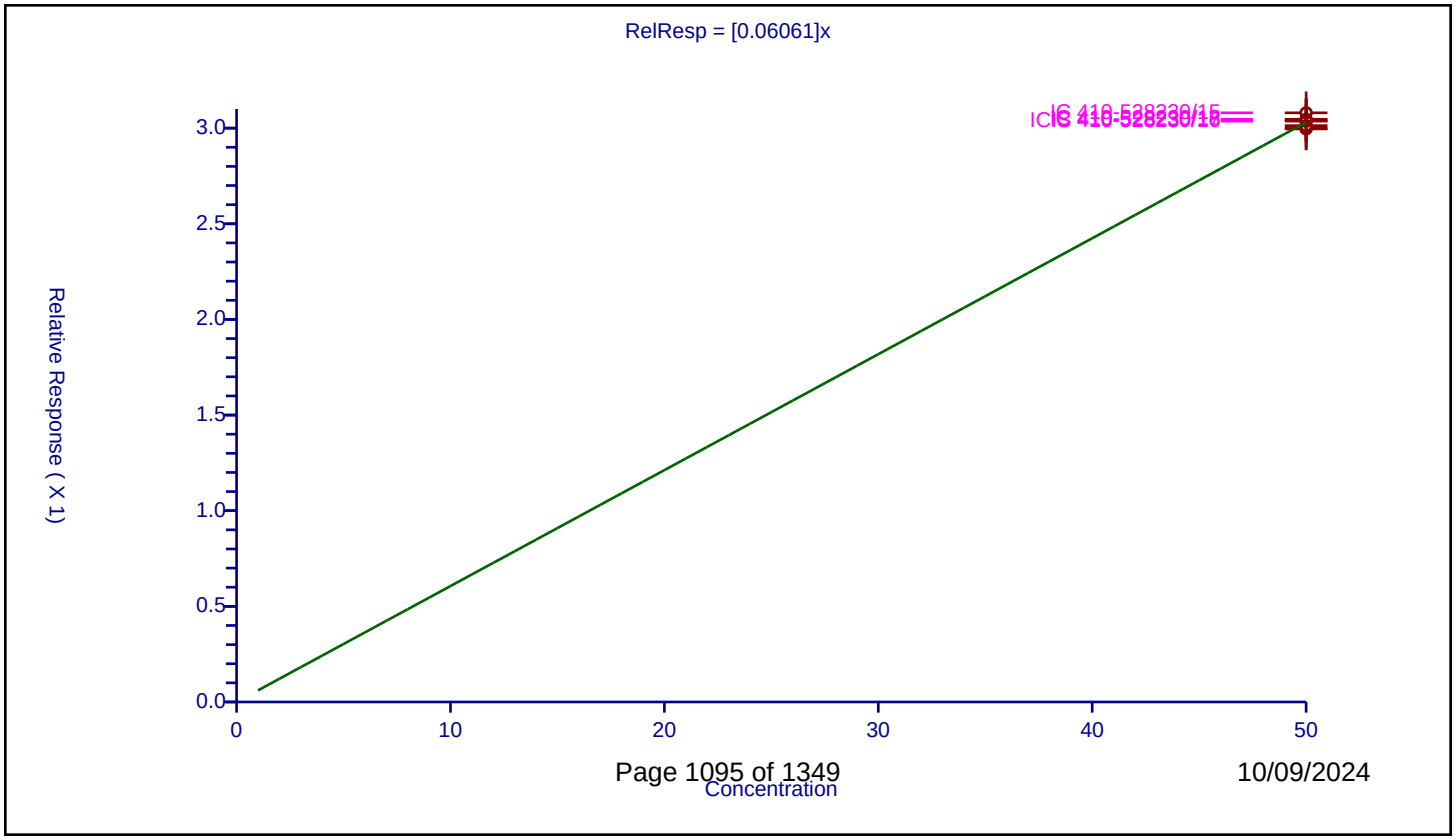
Curve Coefficients

Intercept:	0
Slope:	0.06061

Error Coefficients

Relative Standard Deviation:	1.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	50.0	2.995962	50.0	1134043.0	0.059919	Y
2	IC 410-528230/13	50.0	2.999448	50.0	1142427.0	0.059989	Y
3	IC 410-528230/14	50.0	3.012985	50.0	1120550.0	0.06026	Y
4	IC 410-528230/15	50.0	3.080064	50.0	1130350.0	0.061601	Y
5	ICIS 410-528230/16	50.0	3.036735	50.0	1137735.0	0.060735	Y
6	IC 410-528230/17	50.0	3.040826	50.0	1135563.0	0.060817	Y
7	IC 410-528230/18	50.0	3.046352	50.0	1161340.0	0.060927	Y



Calibration / Benzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

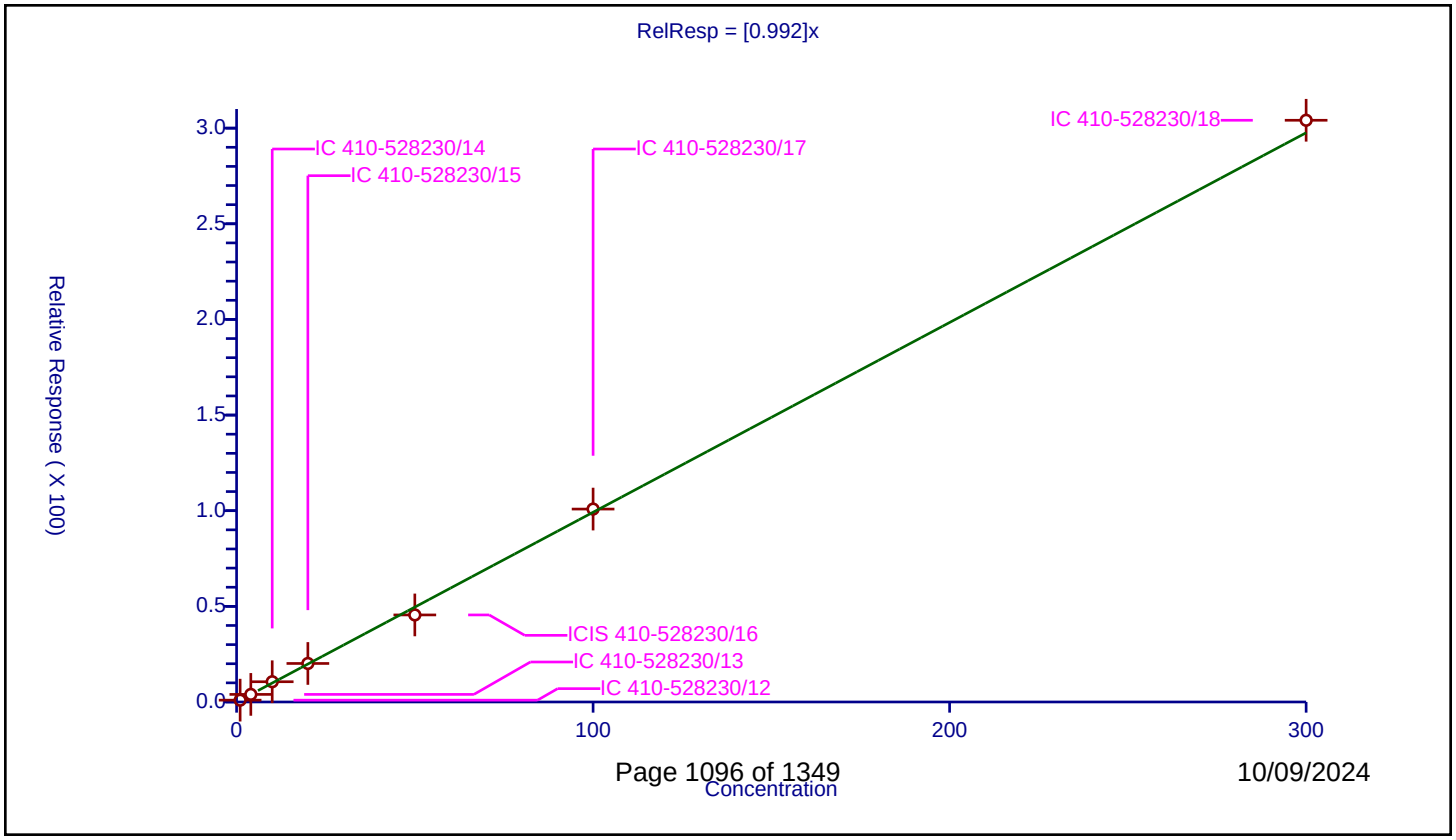
Curve Coefficients

Intercept:	0
Slope:	0.992

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	1.0	0.954549	50.0	1134043.0	0.954549	Y
2	IC 410-528230/13	4.0	3.962354	50.0	1142427.0	0.990588	Y
3	IC 410-528230/14	10.0	10.587435	50.0	1120550.0	1.058743	Y
4	IC 410-528230/15	20.0	20.143761	50.0	1130350.0	1.007188	Y
5	ICIS 410-528230/16	50.0	45.511125	50.0	1137735.0	0.910223	Y
6	IC 410-528230/17	100.0	100.862083	50.0	1135563.0	1.008621	Y
7	IC 410-528230/18	300.0	304.121661	50.0	1161340.0	1.013739	Y



10/09/2024

Calibration / 1,2-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

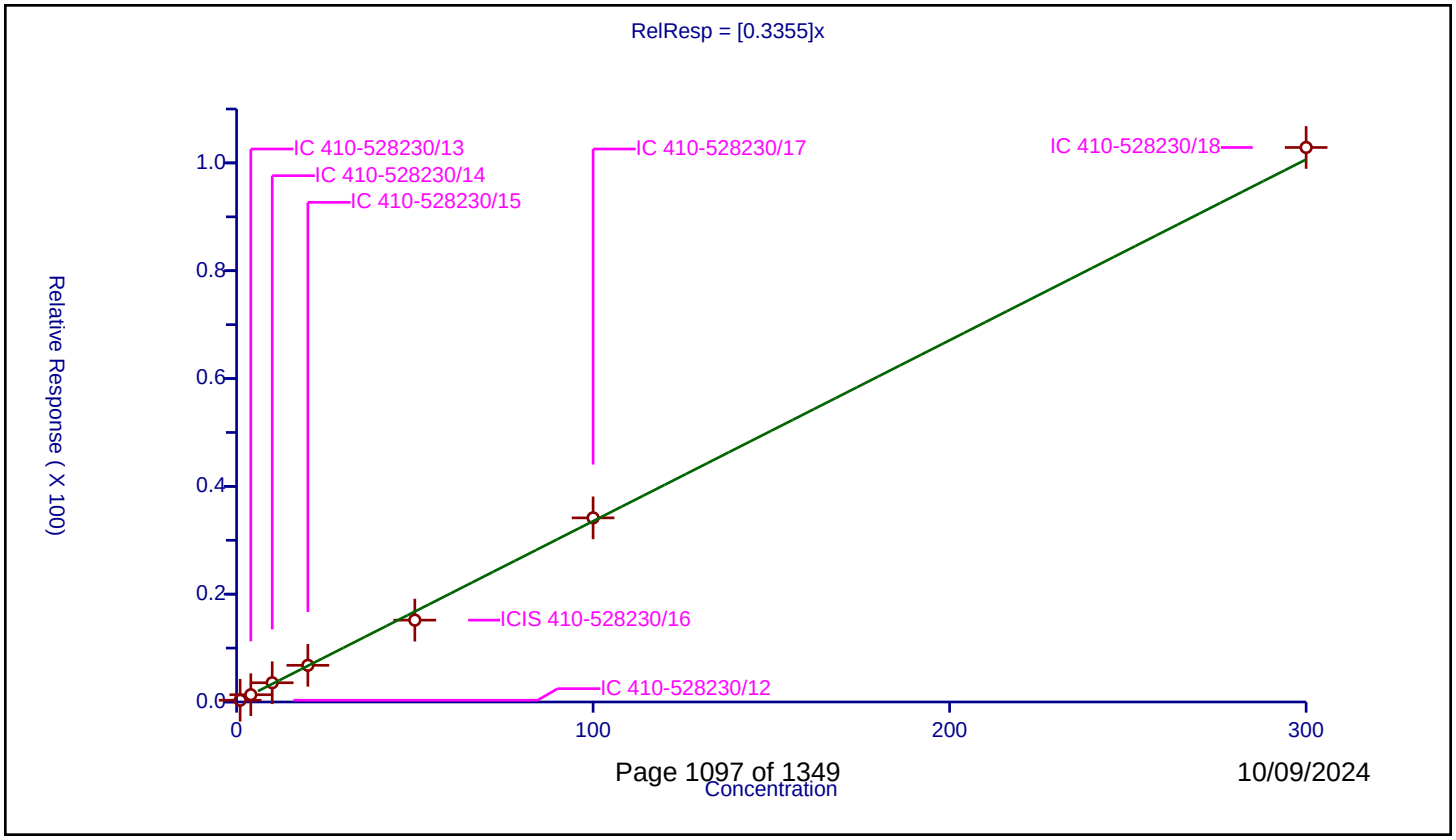
Curve Coefficients

Intercept:	0
Slope:	0.3355

Error Coefficients

Relative Standard Deviation:	5.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	1.0	0.32631	50.0	1134043.0	0.32631	Y
2	IC 410-528230/13	4.0	1.347088	50.0	1142427.0	0.336772	Y
3	IC 410-528230/14	10.0	3.571014	50.0	1120550.0	0.357101	Y
4	IC 410-528230/15	20.0	6.802318	50.0	1130350.0	0.340116	Y
5	ICIS 410-528230/16	50.0	15.184731	50.0	1137735.0	0.303695	Y
6	IC 410-528230/17	100.0	34.154644	50.0	1135563.0	0.341546	Y
7	IC 410-528230/18	300.0	102.868454	50.0	1161340.0	0.342895	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

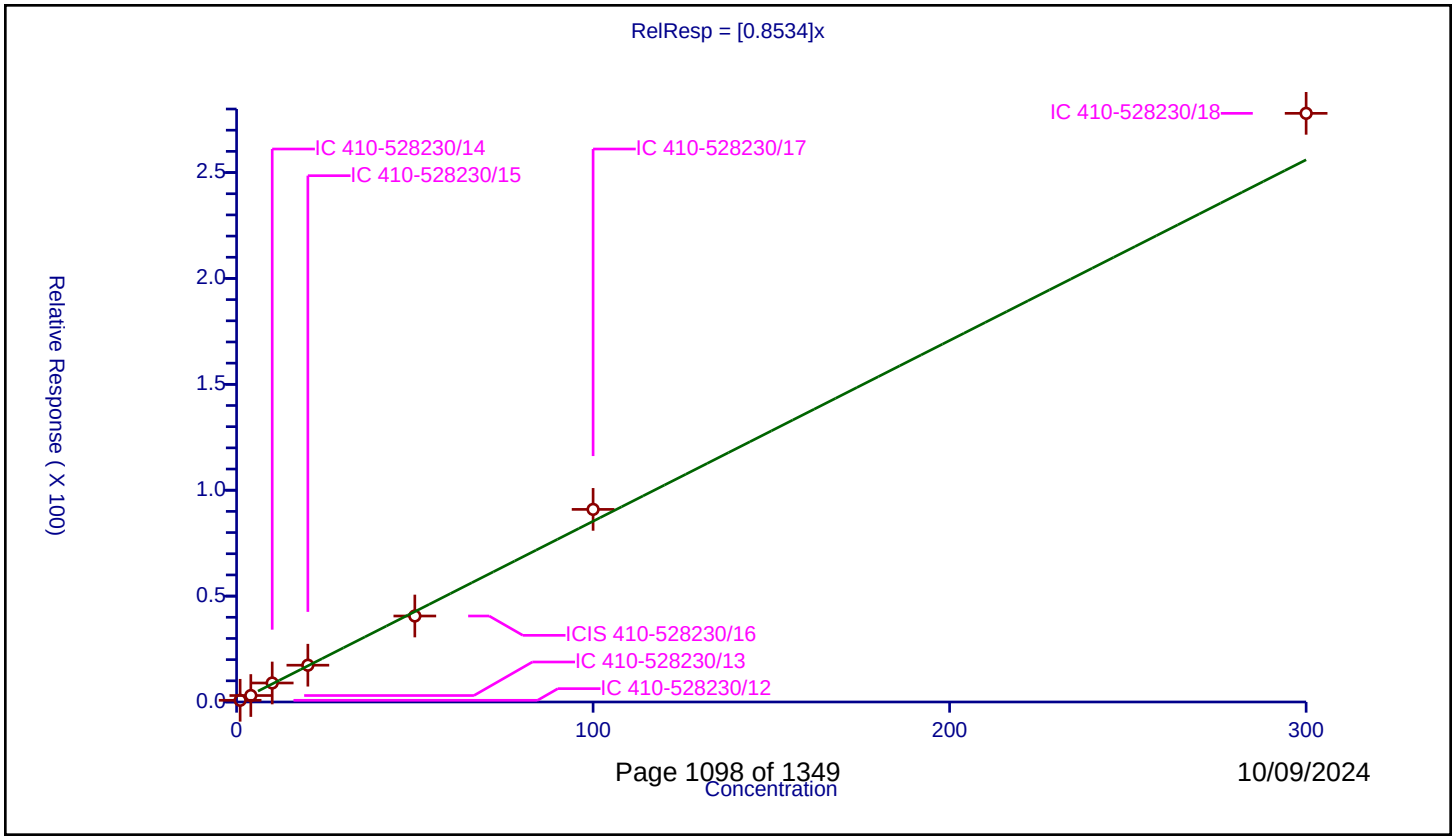
Curve Coefficients

Intercept:	0
Slope:	0.8534

Error Coefficients

Relative Standard Deviation:	7.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	1.0	0.796619	50.0	1134043.0	0.796619	Y
2	IC 410-528230/13	4.0	3.057088	50.0	1142427.0	0.764272	Y
3	IC 410-528230/14	10.0	8.966624	50.0	1120550.0	0.896662	Y
4	IC 410-528230/15	20.0	17.369885	50.0	1130350.0	0.868494	Y
5	ICIS 410-528230/16	50.0	40.603743	50.0	1137735.0	0.812075	Y
6	IC 410-528230/17	100.0	90.941454	50.0	1135563.0	0.909415	Y
7	IC 410-528230/18	300.0	277.954604	50.0	1161340.0	0.926515	Y



Calibration / n-Heptane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

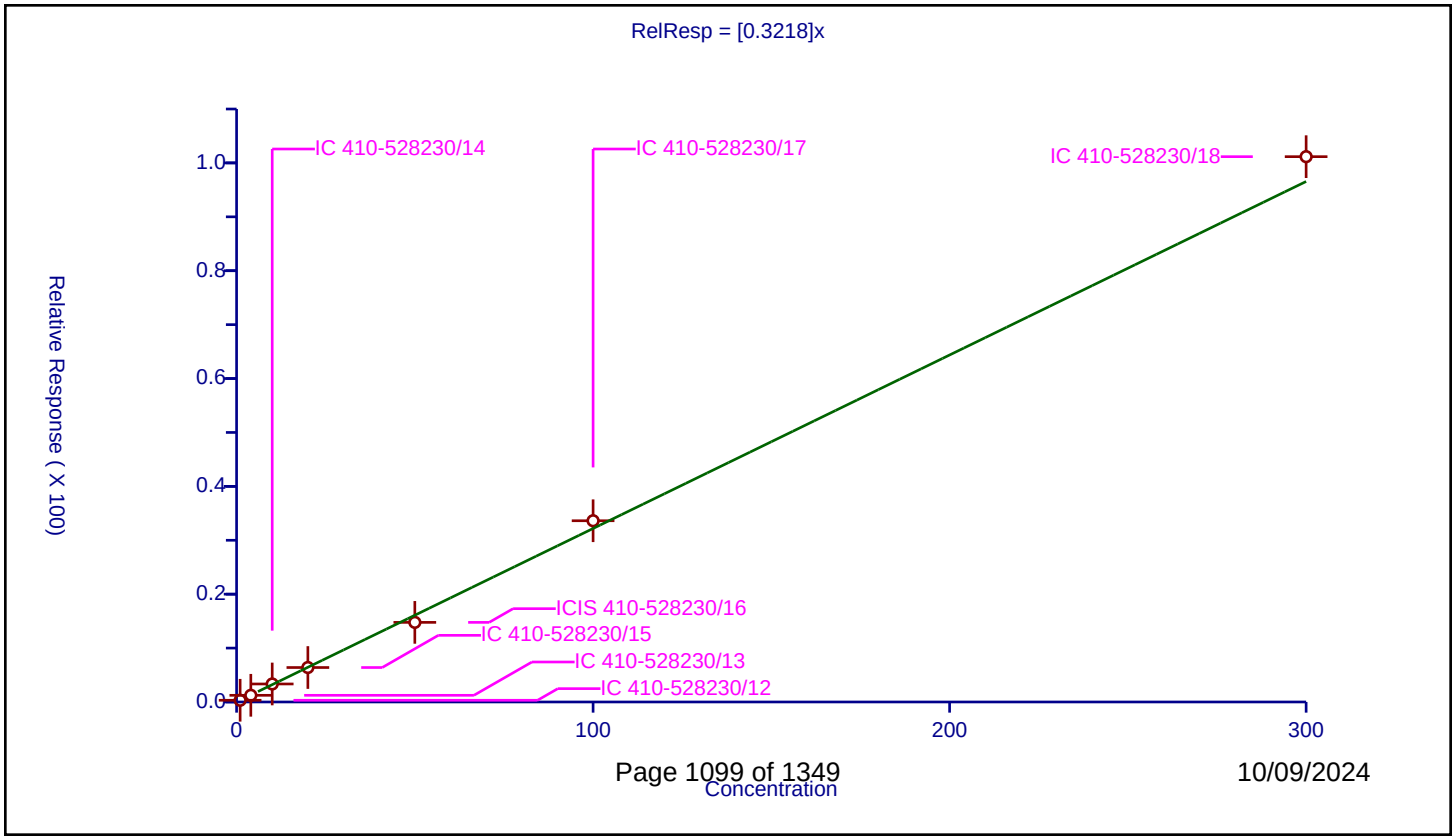
Curve Coefficients

Intercept:	0
Slope:	0.3218

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	1.0	0.319917	50.0	1134043.0	0.319917	Y
2	IC 410-528230/13	4.0	1.241611	50.0	1142427.0	0.310403	Y
3	IC 410-528230/14	10.0	3.340101	50.0	1120550.0	0.33401	Y
4	IC 410-528230/15	20.0	6.395807	50.0	1130350.0	0.31979	Y
5	ICIS 410-528230/16	50.0	14.770443	50.0	1137735.0	0.295409	Y
6	IC 410-528230/17	100.0	33.621913	50.0	1135563.0	0.336219	Y
7	IC 410-528230/18	300.0	101.158834	50.0	1161340.0	0.337196	Y



Calibration / n-Butanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

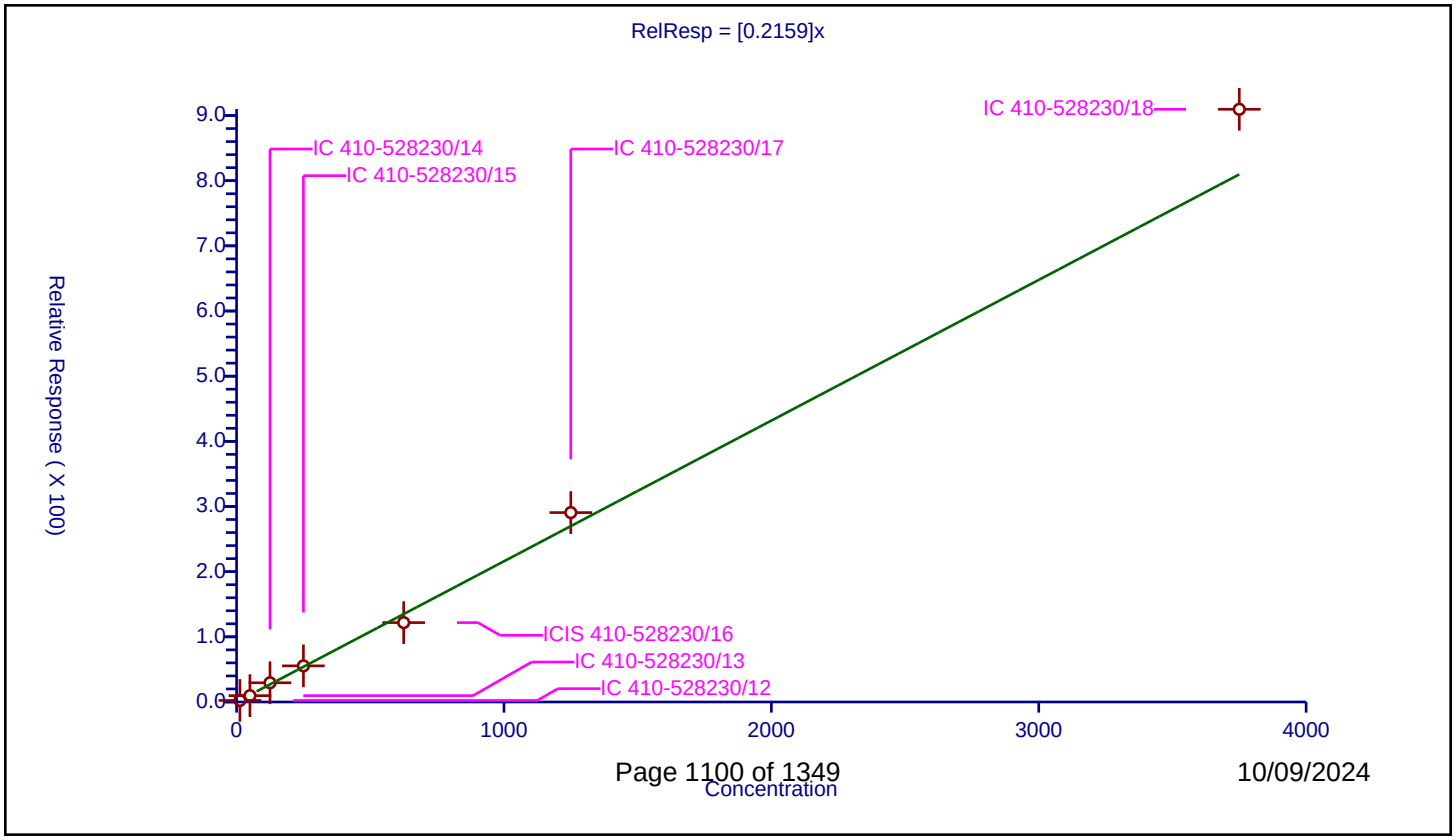
Curve Coefficients

Intercept:	0
Slope:	0.2159

Error Coefficients

Relative Standard Deviation:	10.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	12.5	2.365028	250.0	280335.0	0.189202	Y
2	IC 410-528230/13	50.0	9.726632	250.0	286610.0	0.194533	Y
3	IC 410-528230/14	125.0	29.490838	250.0	282130.0	0.235927	Y
4	IC 410-528230/15	250.0	55.429175	250.0	293866.0	0.221717	Y
5	ICIS 410-528230/16	625.0	121.828317	250.0	295545.0	0.194925	Y
6	IC 410-528230/17	1250.0	290.640492	250.0	300753.0	0.232512	Y
7	IC 410-528230/18	3750.0	909.605646	250.0	307262.0	0.242562	Y



Calibration / Trichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

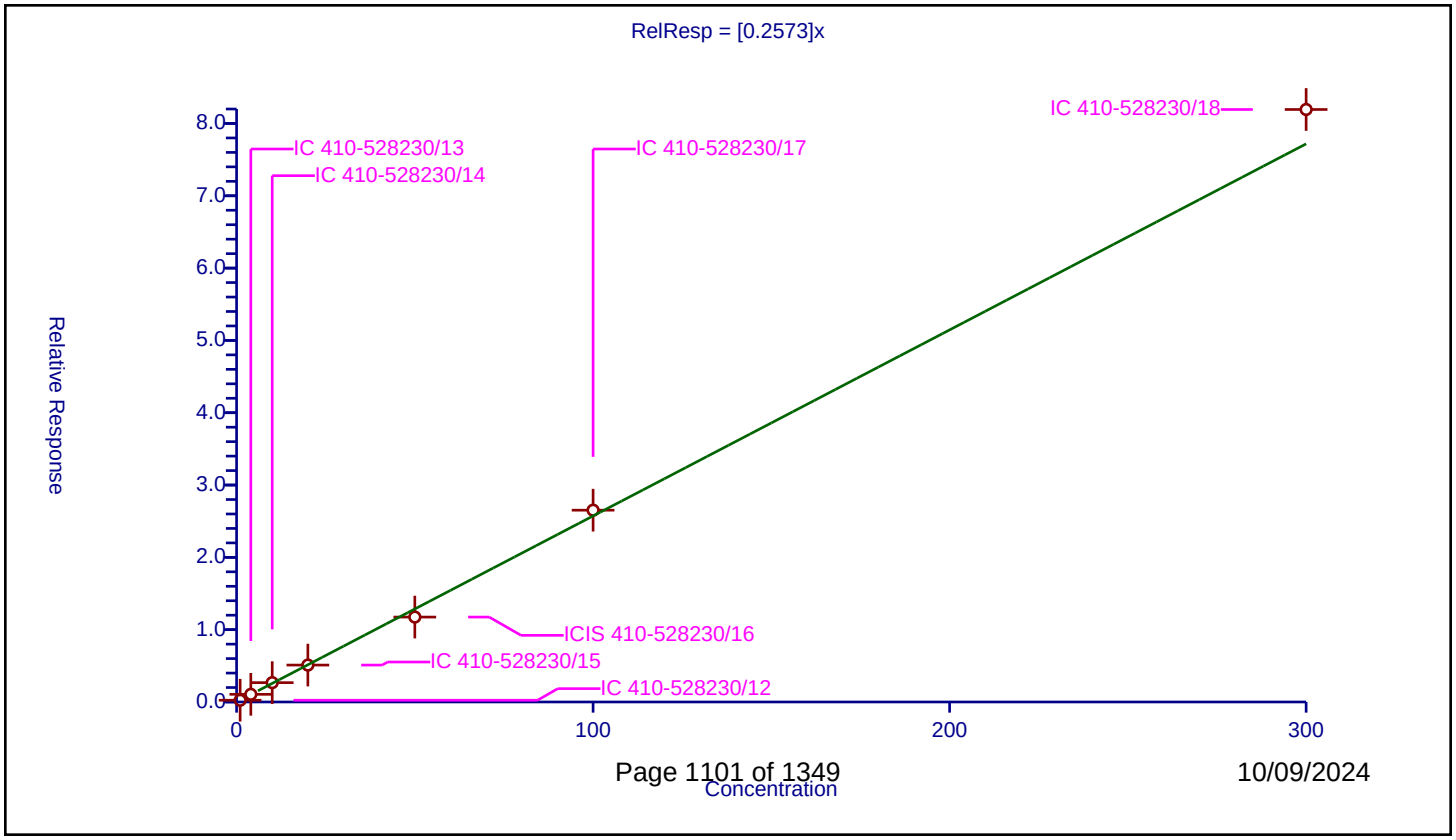
Curve Coefficients

Intercept:	0
Slope:	0.2573

Error Coefficients

Relative Standard Deviation:	5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	1.0	0.240247	50.0	1134043.0	0.240247	Y
2	IC 410-528230/13	4.0	1.058536	50.0	1142427.0	0.264634	Y
3	IC 410-528230/14	10.0	2.67449	50.0	1120550.0	0.267449	Y
4	IC 410-528230/15	20.0	5.10687	50.0	1130350.0	0.255343	Y
5	ICIS 410-528230/16	50.0	11.743684	50.0	1137735.0	0.234874	Y
6	IC 410-528230/17	100.0	26.522615	50.0	1135563.0	0.265226	Y
7	IC 410-528230/18	300.0	81.93238	50.0	1161340.0	0.273108	Y



Calibration / Ethyl acrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

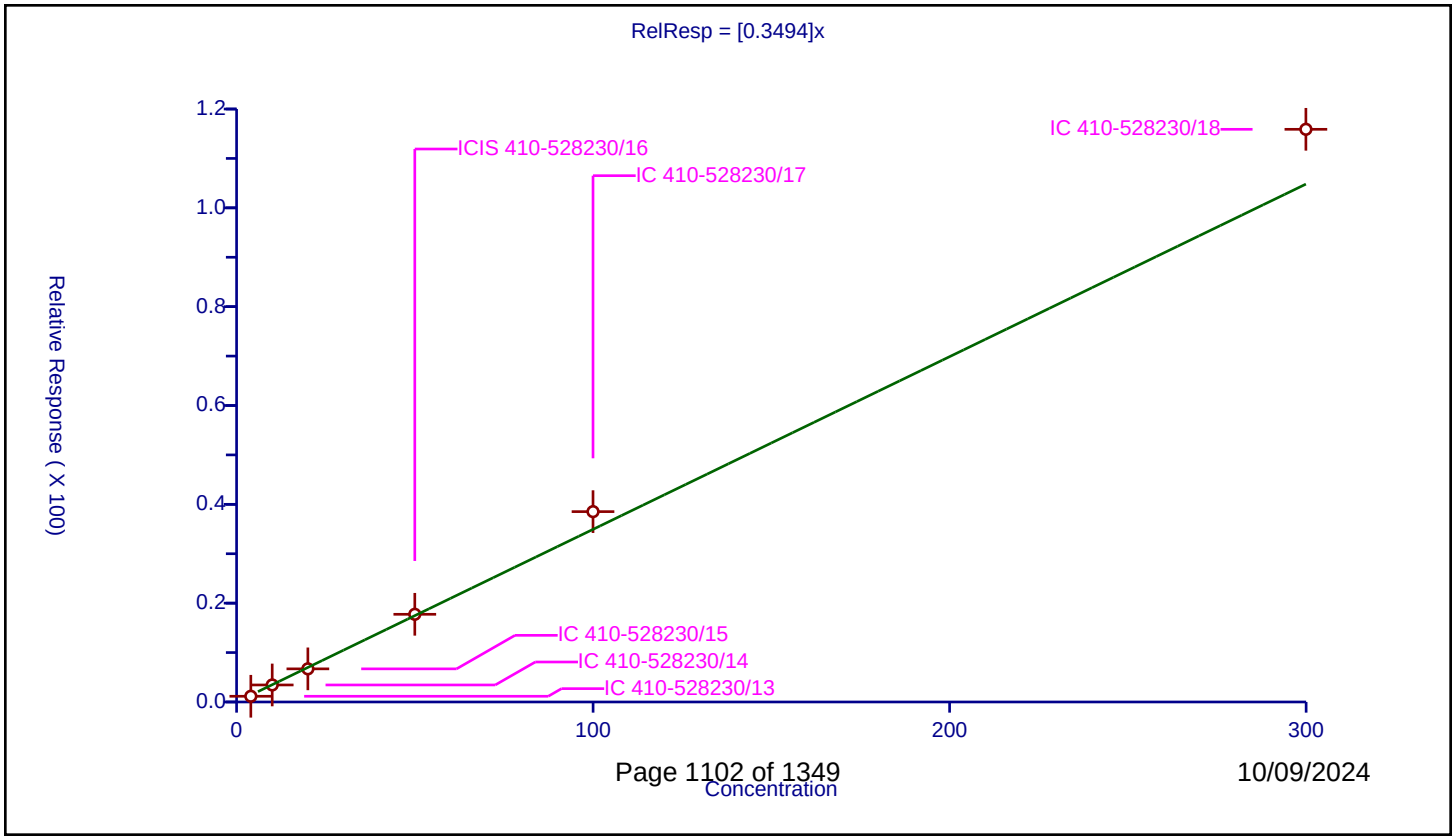
Curve Coefficients

Intercept:	0
Slope:	0.3494

Error Coefficients

Relative Standard Deviation:	10.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/13	3.999186	1.157667	50.0	1142427.0	0.289476	Y
2	IC 410-528230/14	9.997964	3.448173	50.0	1120550.0	0.344887	Y
3	IC 410-528230/15	19.995928	6.705843	50.0	1130350.0	0.33536	Y
4	ICIS 410-528230/16	49.98982	17.748026	50.0	1137735.0	0.355033	Y
5	IC 410-528230/17	99.97964	38.521685	50.0	1135563.0	0.385295	Y
6	IC 410-528230/18	299.93892	115.895905	50.0	1161340.0	0.386398	Y



Calibration / Methylcyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

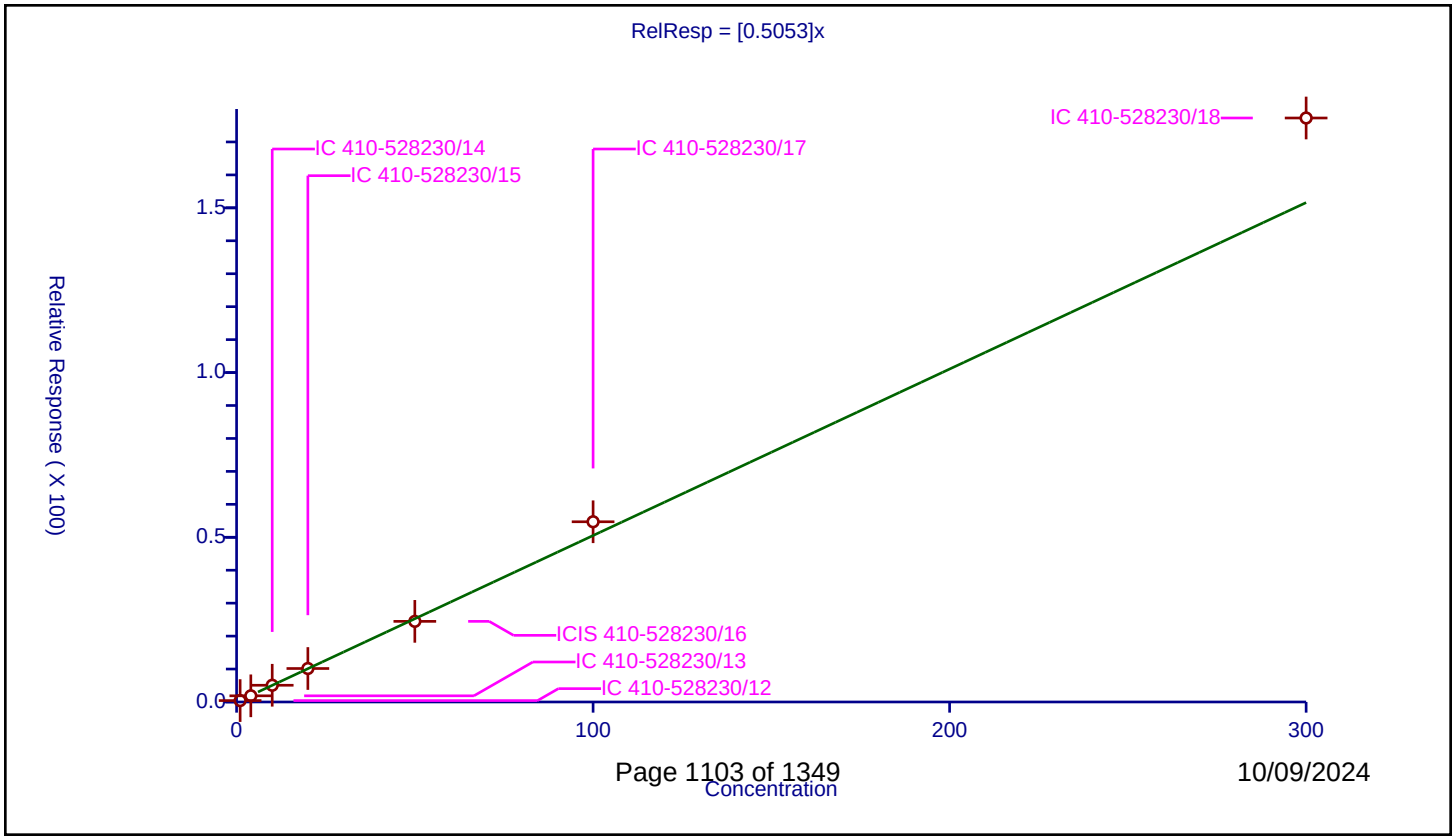
Curve Coefficients

Intercept:	0
Slope:	0.5053

Error Coefficients

Relative Standard Deviation:	10.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	1.0	0.42516	50.0	1134043.0	0.42516	Y
2	IC 410-528230/13	4.0	1.874255	50.0	1142427.0	0.468564	Y
3	IC 410-528230/14	10.0	5.07831	50.0	1120550.0	0.507831	Y
4	IC 410-528230/15	20.0	10.161189	50.0	1130350.0	0.508059	Y
5	ICIS 410-528230/16	50.0	24.477932	50.0	1137735.0	0.489559	Y
6	IC 410-528230/17	100.0	54.712508	50.0	1135563.0	0.547125	Y
7	IC 410-528230/18	300.0	177.273667	50.0	1161340.0	0.590912	Y



Calibration / 1,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

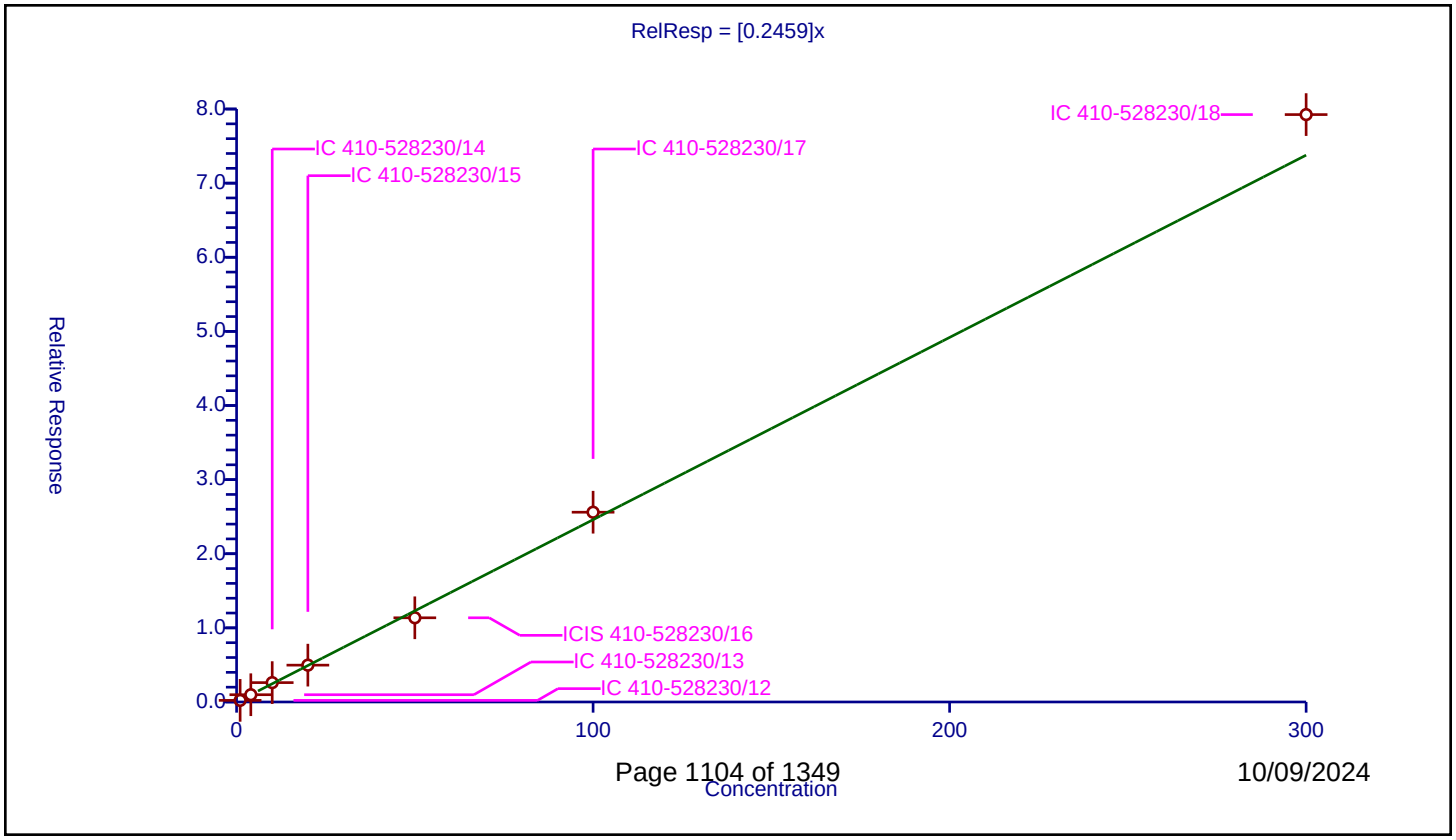
Curve Coefficients

Intercept:	0
Slope:	0.2459

Error Coefficients

Relative Standard Deviation:	7.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	1.0	0.218863	50.0	1134043.0	0.218863	Y
2	IC 410-528230/13	4.0	0.981069	50.0	1142427.0	0.245267	Y
3	IC 410-528230/14	10.0	2.613181	50.0	1120550.0	0.261318	Y
4	IC 410-528230/15	20.0	4.971646	50.0	1130350.0	0.248582	Y
5	ICIS 410-528230/16	50.0	11.360159	50.0	1137735.0	0.227203	Y
6	IC 410-528230/17	100.0	25.601706	50.0	1135563.0	0.256017	Y
7	IC 410-528230/18	300.0	79.246646	50.0	1161340.0	0.264155	Y



Calibration / 2-ethoxy-2-methyl butane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

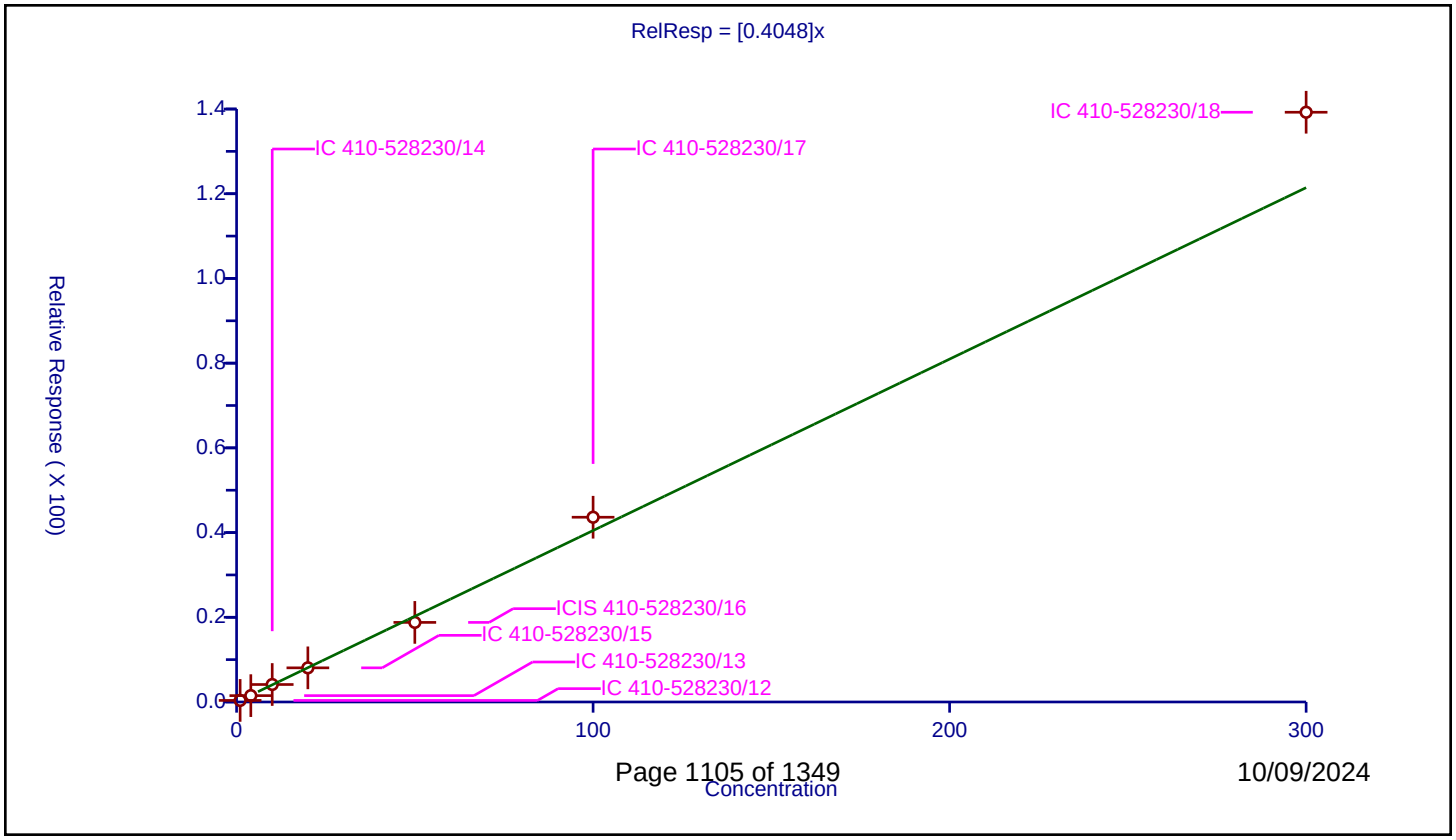
Curve Coefficients

Intercept:	0
Slope:	0.4048

Error Coefficients

Relative Standard Deviation:	8.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	1.0	0.365683	50.0	1134043.0	0.365683	Y
2	IC 410-528230/13	4.0	1.502065	50.0	1142427.0	0.375516	Y
3	IC 410-528230/14	10.0	4.129802	50.0	1120550.0	0.41298	Y
4	IC 410-528230/15	20.0	8.063343	50.0	1130350.0	0.403167	Y
5	ICIS 410-528230/16	50.0	18.789876	50.0	1137735.0	0.375798	Y
6	IC 410-528230/17	100.0	43.619244	50.0	1135563.0	0.436192	Y
7	IC 410-528230/18	300.0	139.238337	50.0	1161340.0	0.464128	Y



Calibration / 1,4-Dioxane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

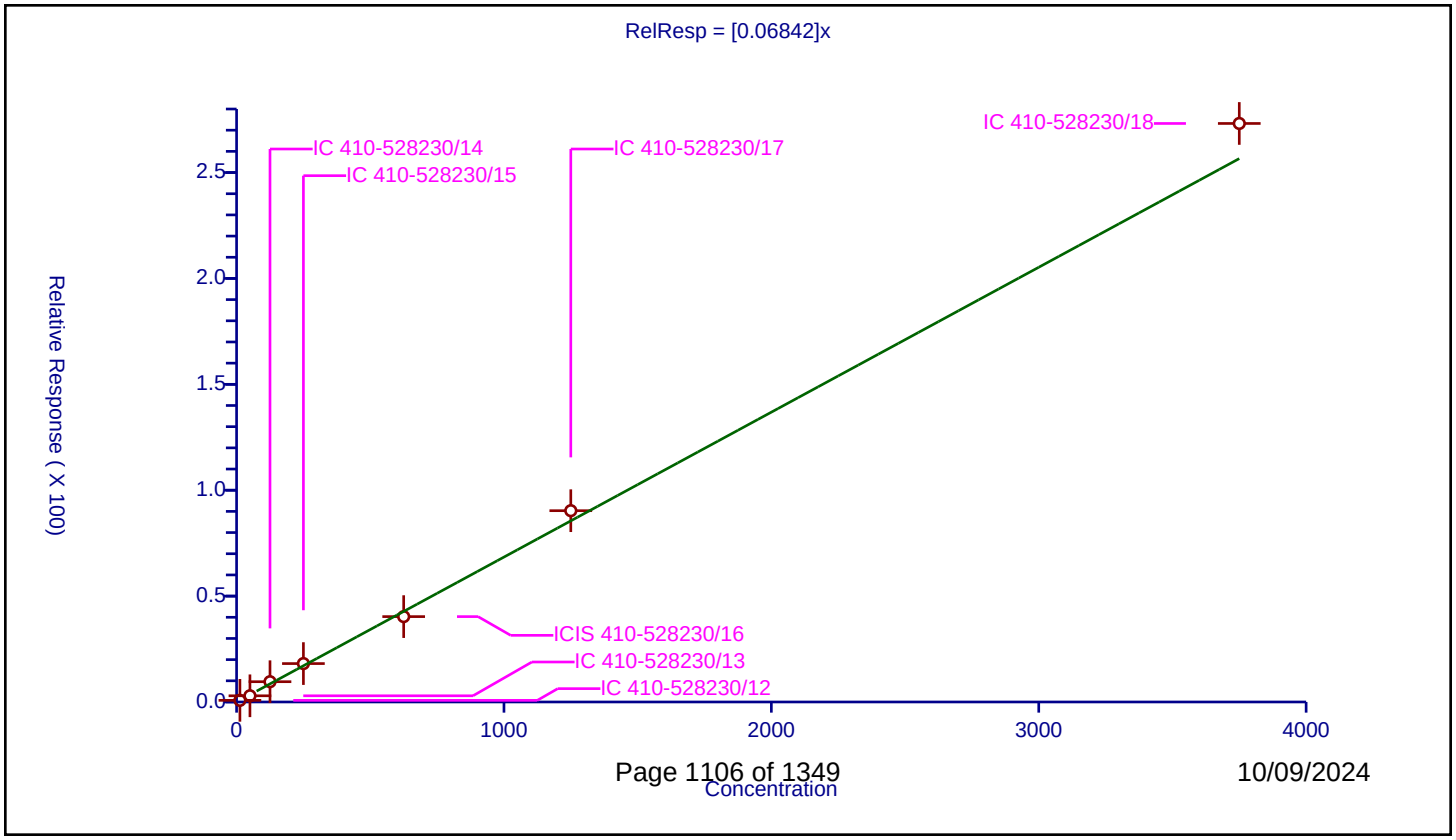
Curve Coefficients

Intercept:	0
Slope:	0.06842

Error Coefficients

Relative Standard Deviation:	9.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	12.5	0.769615	250.0	280335.0	0.061569	Y
2	IC 410-528230/13	50.0	2.929067	250.0	286610.0	0.058581	Y
3	IC 410-528230/14	125.0	9.578918	250.0	282130.0	0.076631	Y
4	IC 410-528230/15	250.0	18.140071	250.0	293866.0	0.07256	Y
5	ICIS 410-528230/16	625.0	40.317041	250.0	295545.0	0.064507	Y
6	IC 410-528230/17	1250.0	90.328276	250.0	300753.0	0.072263	Y
7	IC 410-528230/18	3750.0	273.179729	250.0	307262.0	0.072848	Y



Calibration / Methyl methacrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

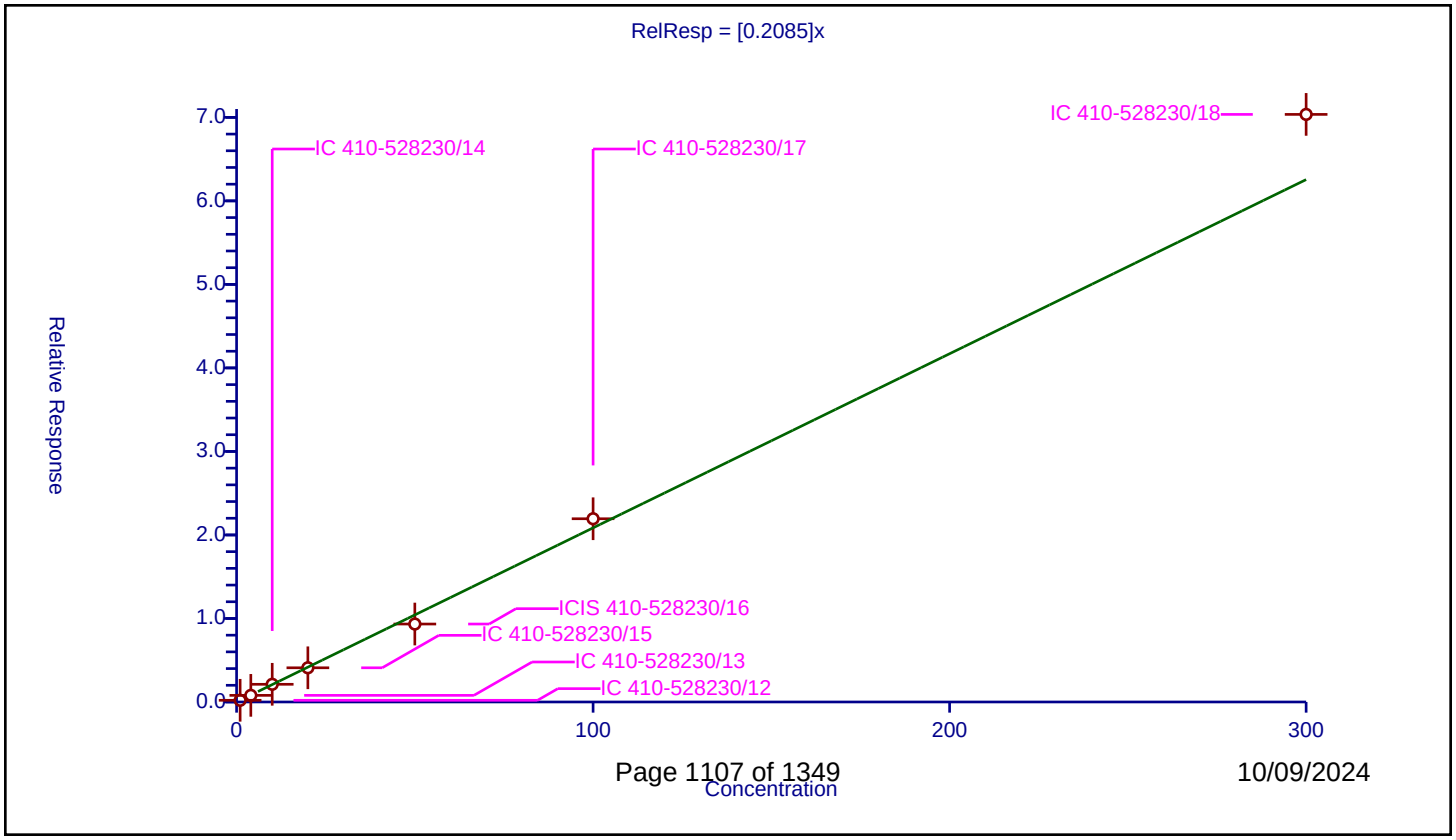
Curve Coefficients

Intercept:	0
Slope:	0.2085

Error Coefficients

Relative Standard Deviation:	7.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	1.0	0.204269	50.0	1134043.0	0.204269	Y
2	IC 410-528230/13	4.0	0.791954	50.0	1142427.0	0.197989	Y
3	IC 410-528230/14	10.0	2.119272	50.0	1120550.0	0.211927	Y
4	IC 410-528230/15	20.0	4.093555	50.0	1130350.0	0.204678	Y
5	ICIS 410-528230/16	50.0	9.334511	50.0	1137735.0	0.18669	Y
6	IC 410-528230/17	100.0	21.940438	50.0	1135563.0	0.219404	Y
7	IC 410-528230/18	300.0	70.35459	50.0	1161340.0	0.234515	Y



Calibration / Dibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

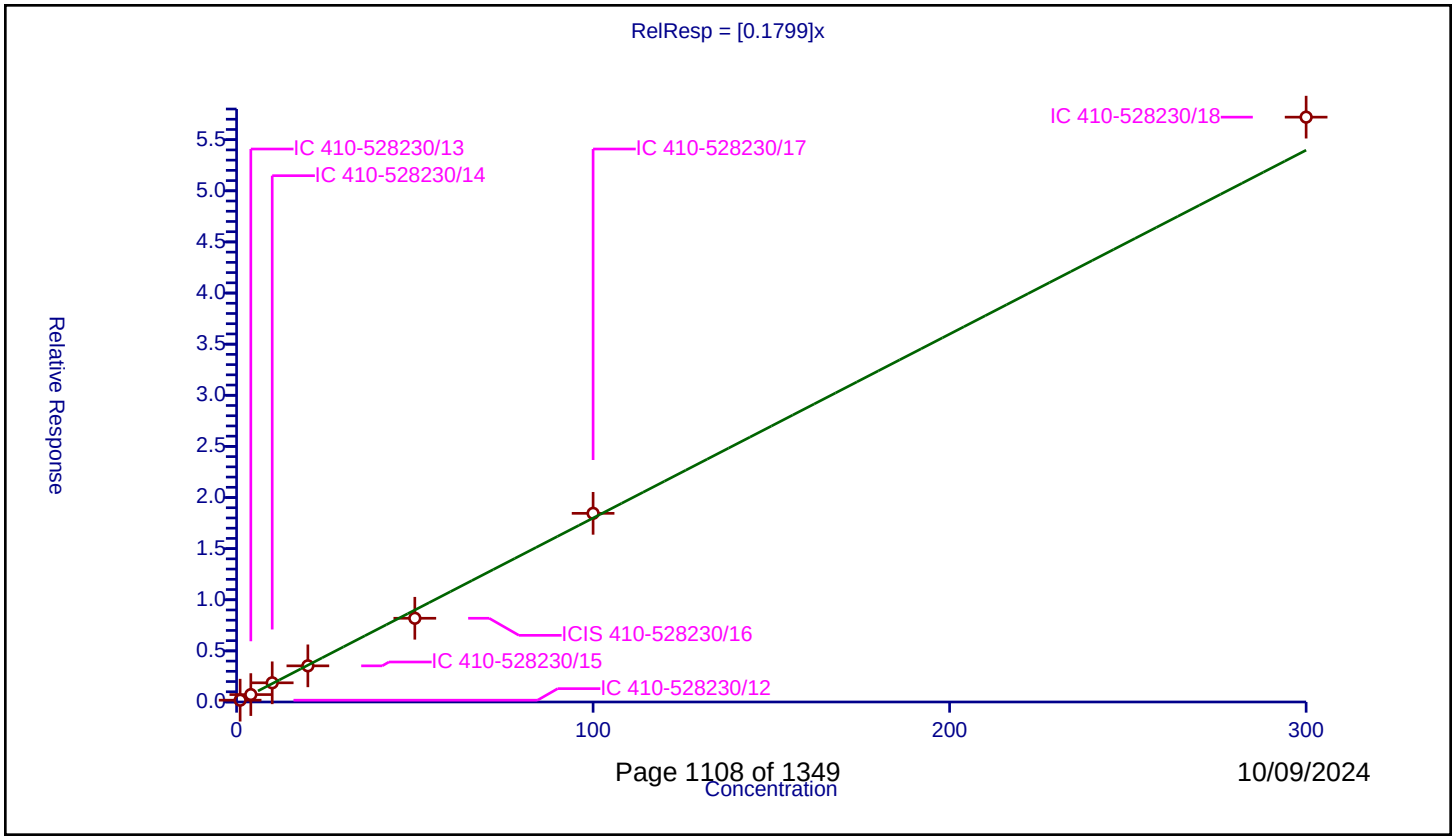
Curve Coefficients

Intercept:	0
Slope:	0.1799

Error Coefficients

Relative Standard Deviation:	5.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	1.0	0.175258	50.0	1134043.0	0.175258	Y
2	IC 410-528230/13	4.0	0.72276	50.0	1142427.0	0.18069	Y
3	IC 410-528230/14	10.0	1.87756	50.0	1120550.0	0.187756	Y
4	IC 410-528230/15	20.0	3.534436	50.0	1130350.0	0.176722	Y
5	ICIS 410-528230/16	50.0	8.189605	50.0	1137735.0	0.163792	Y
6	IC 410-528230/17	100.0	18.453137	50.0	1135563.0	0.184531	Y
7	IC 410-528230/18	300.0	57.204092	50.0	1161340.0	0.19068	Y



10/09/2024

Calibration / Dichlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

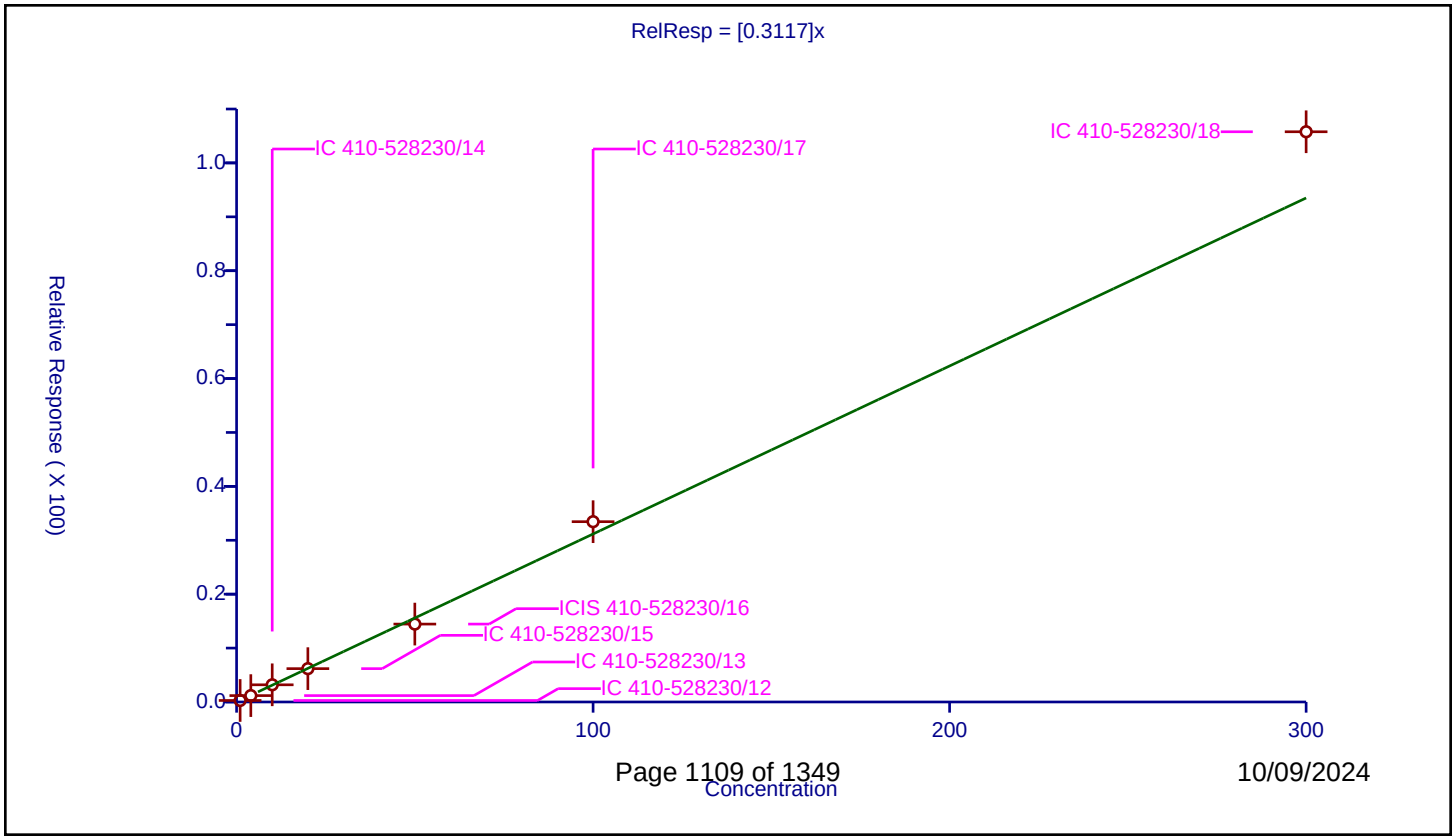
Curve Coefficients

Intercept:	0
Slope:	0.3117

Error Coefficients

Relative Standard Deviation:	8.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	1.0	0.280809	50.0	1134043.0	0.280809	Y
2	IC 410-528230/13	4.0	1.186246	50.0	1142427.0	0.296562	Y
3	IC 410-528230/14	10.0	3.189327	50.0	1120550.0	0.318933	Y
4	IC 410-528230/15	20.0	6.183616	50.0	1130350.0	0.309181	Y
5	ICIS 410-528230/16	50.0	14.452135	50.0	1137735.0	0.289043	Y
6	IC 410-528230/17	100.0	33.44548	50.0	1135563.0	0.334455	Y
7	IC 410-528230/18	300.0	105.779401	50.0	1161340.0	0.352598	Y



Calibration / 2-Nitropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

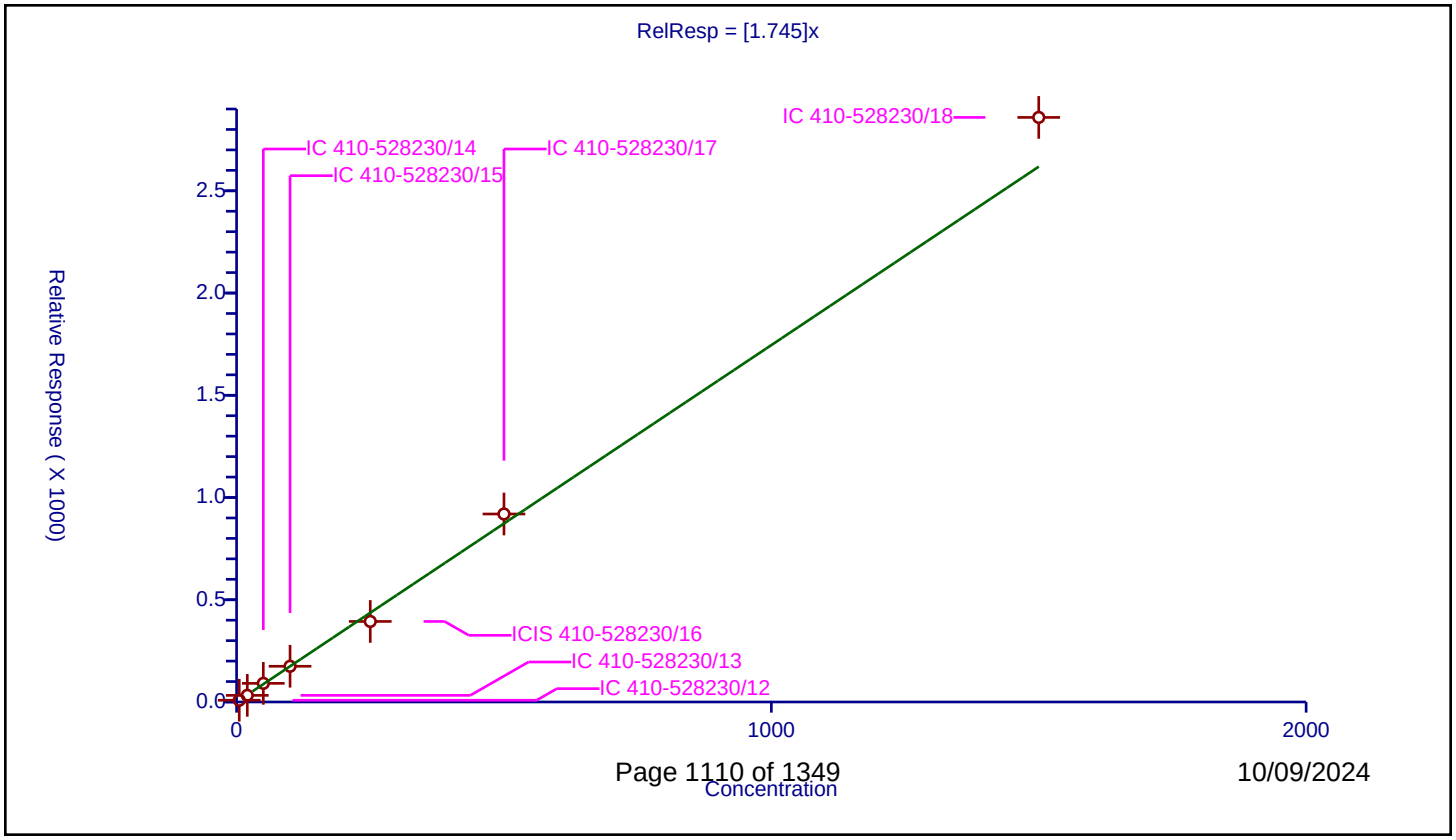
Curve Coefficients

Intercept:	0
Slope:	1.745

Error Coefficients

Relative Standard Deviation:	6.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	5.0	8.535324	250.0	280335.0	1.707065	Y
2	IC 410-528230/13	20.0	32.402045	250.0	286610.0	1.620102	Y
3	IC 410-528230/14	50.0	91.137064	250.0	282130.0	1.822741	Y
4	IC 410-528230/15	100.0	174.668897	250.0	293866.0	1.746689	Y
5	ICIS 410-528230/16	250.0	393.98315	250.0	295545.0	1.575933	Y
6	IC 410-528230/17	500.0	919.405625	250.0	300753.0	1.838811	Y
7	IC 410-528230/18	1500.0	2858.903802	250.0	307262.0	1.905936	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

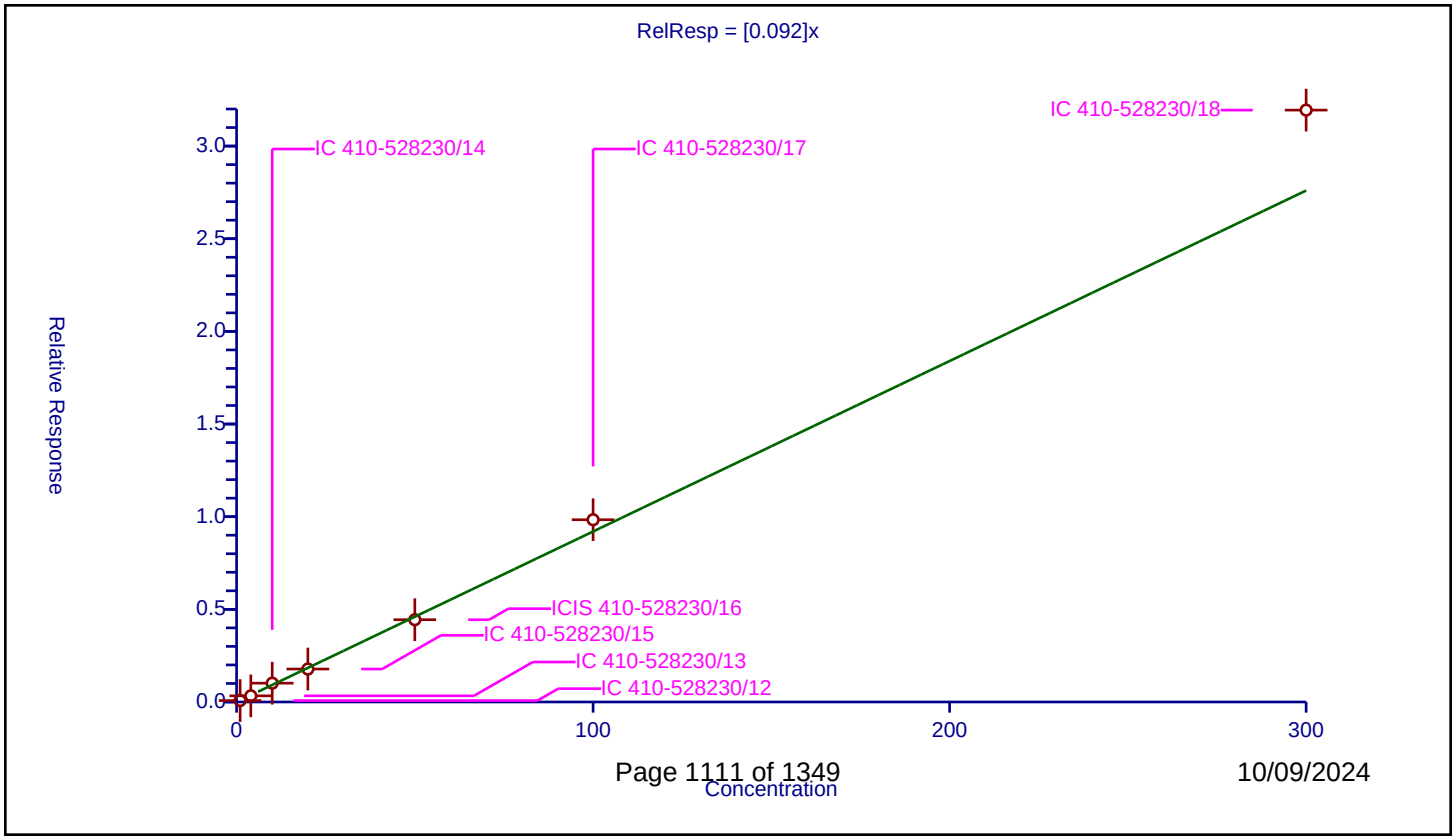
Curve Coefficients

Intercept:	0
Slope:	0.092

Error Coefficients

Relative Standard Deviation:	11.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	1.0	0.076981	50.0	1134043.0	0.076981	Y
2	IC 410-528230/13	4.0	0.332012	50.0	1142427.0	0.083003	Y
3	IC 410-528230/14	10.0	1.014636	50.0	1120550.0	0.101464	Y
4	IC 410-528230/15	20.0	1.778299	50.0	1130350.0	0.088915	Y
5	ICIS 410-528230/16	50.0	4.440709	50.0	1137735.0	0.088814	Y
6	IC 410-528230/17	100.0	9.835121	50.0	1135563.0	0.098351	Y
7	IC 410-528230/18	300.0	31.941507	50.0	1161340.0	0.106472	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

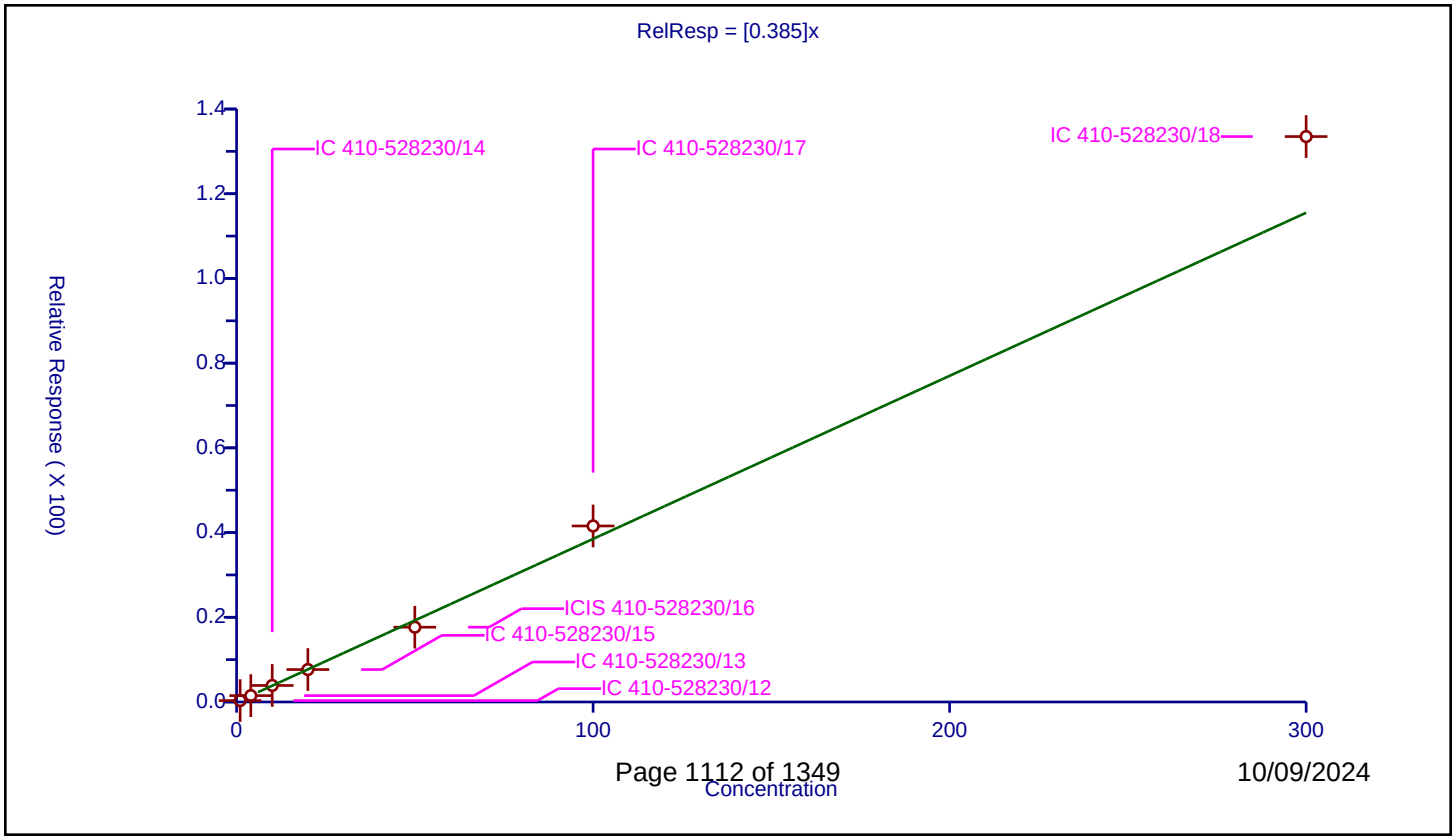
Curve Coefficients

Intercept:	0
Slope:	0.385

Error Coefficients

Relative Standard Deviation:	9.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	1.0	0.332924	50.0	1134043.0	0.332924	Y
2	IC 410-528230/13	4.0	1.501671	50.0	1142427.0	0.375418	Y
3	IC 410-528230/14	10.0	3.901209	50.0	1120550.0	0.390121	Y
4	IC 410-528230/15	20.0	7.659884	50.0	1130350.0	0.382994	Y
5	ICIS 410-528230/16	50.0	17.658901	50.0	1137735.0	0.353178	Y
6	IC 410-528230/17	100.0	41.5578	50.0	1135563.0	0.415578	Y
7	IC 410-528230/18	300.0	133.496134	50.0	1161340.0	0.444987	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

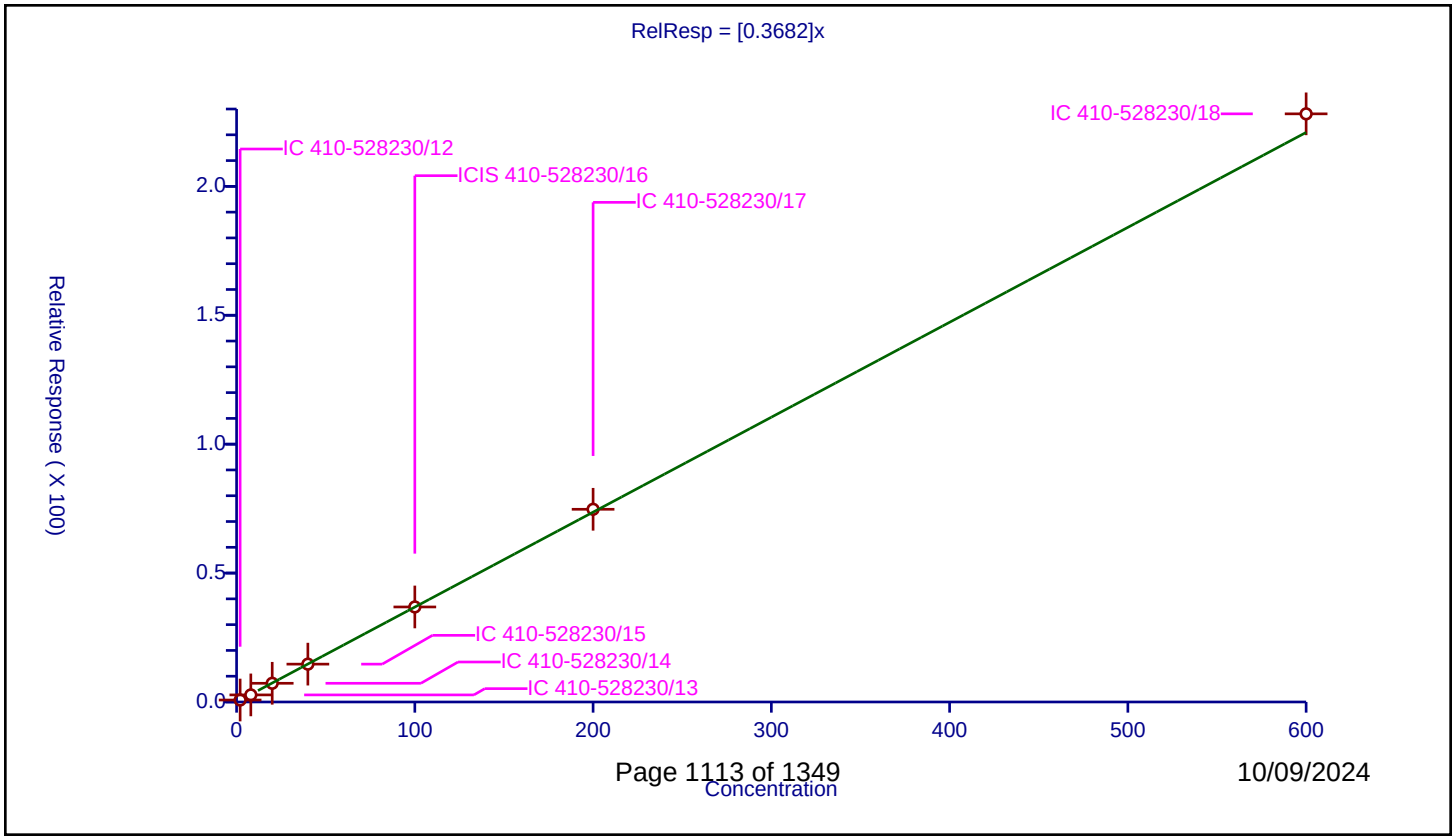
Curve Coefficients

Intercept:	0
Slope:	0.3682

Error Coefficients

Relative Standard Deviation:	3.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	2.0	0.762802	50.0	1134043.0	0.381401	Y
2	IC 410-528230/13	8.0	2.747878	50.0	1142427.0	0.343485	Y
3	IC 410-528230/14	20.0	7.258534	50.0	1120550.0	0.362927	Y
4	IC 410-528230/15	40.0	14.682842	50.0	1130350.0	0.367071	Y
5	ICIS 410-528230/16	100.0	36.855727	50.0	1137735.0	0.368557	Y
6	IC 410-528230/17	200.0	74.741076	50.0	1135563.0	0.373705	Y
7	IC 410-528230/18	600.0	228.127379	50.0	1161340.0	0.380212	Y



Calibration / Toluene-d8 (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

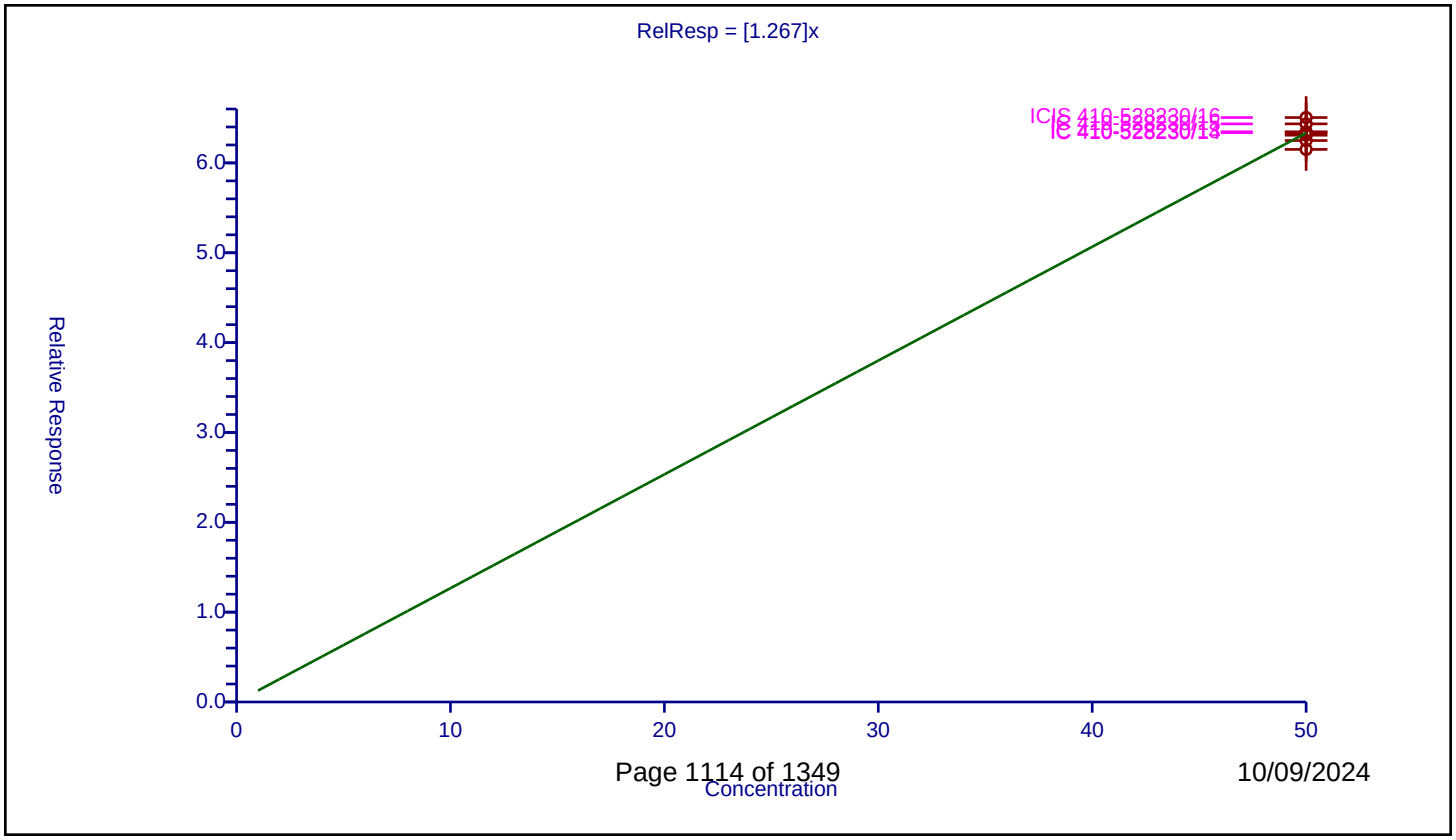
Curve Coefficients

Intercept:	0
Slope:	1.267

Error Coefficients

Relative Standard Deviation:	1.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	50.0	62.492584	50.0	900098.0	1.249852	Y
2	IC 410-528230/13	50.0	63.464256	50.0	895289.0	1.269285	Y
3	IC 410-528230/14	50.0	63.368699	50.0	888628.0	1.267374	Y
4	IC 410-528230/15	50.0	64.345902	50.0	873333.0	1.286918	Y
5	ICIS 410-528230/16	50.0	65.049589	50.0	856741.0	1.300992	Y
6	IC 410-528230/17	50.0	63.082577	50.0	917583.0	1.261652	Y
7	IC 410-528230/18	50.0	61.504422	50.0	1004140.0	1.230088	Y



Calibration / Toluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

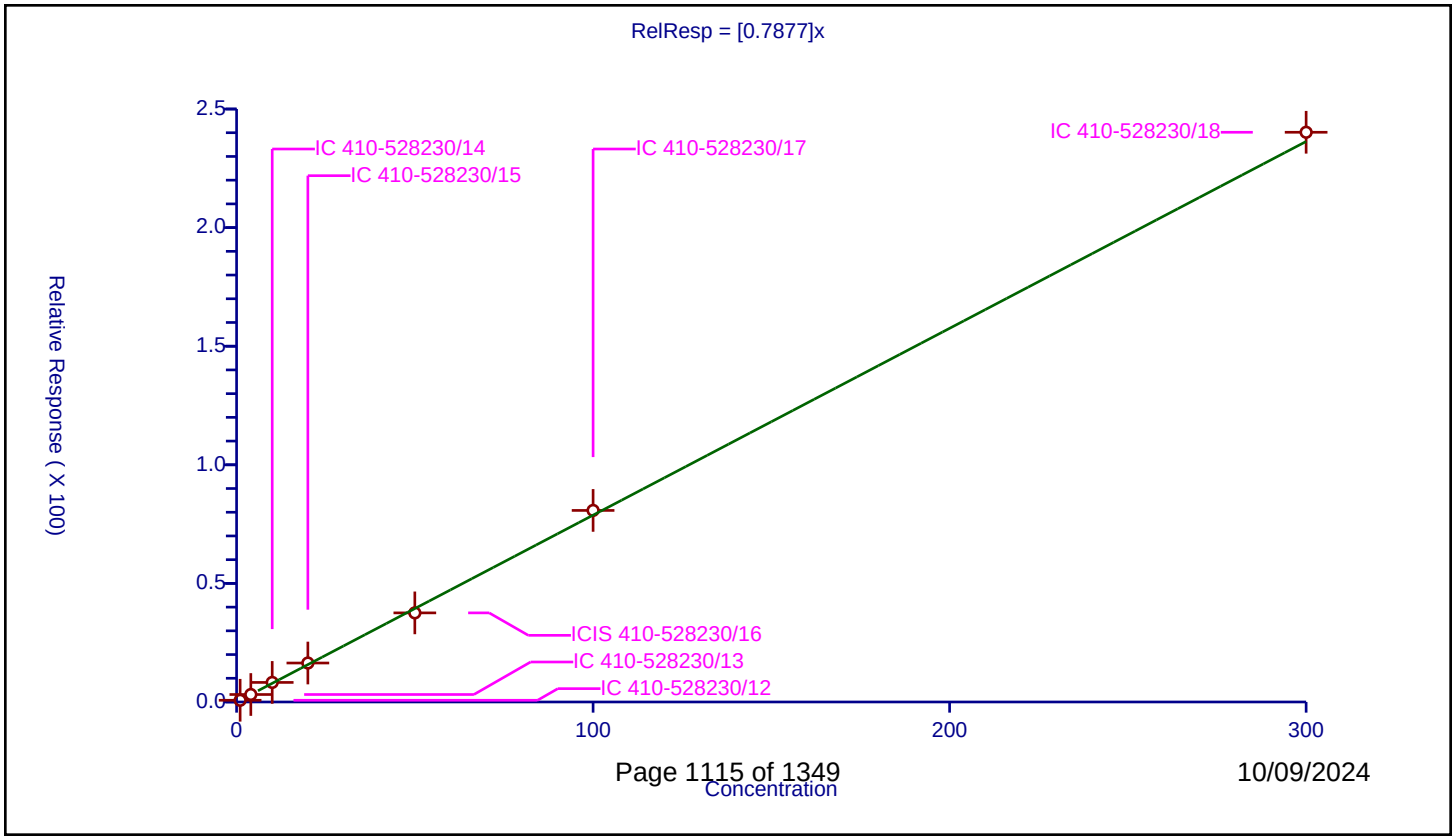
Curve Coefficients

Intercept:	0
Slope:	0.7877

Error Coefficients

Relative Standard Deviation:	4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	1.0	0.720477	50.0	900098.0	0.720477	Y
2	IC 410-528230/13	4.0	3.1501	50.0	895289.0	0.787525	Y
3	IC 410-528230/14	10.0	8.248502	50.0	888628.0	0.82485	Y
4	IC 410-528230/15	20.0	16.426896	50.0	873333.0	0.821345	Y
5	ICIS 410-528230/16	50.0	37.569639	50.0	856741.0	0.751393	Y
6	IC 410-528230/17	100.0	80.765064	50.0	917583.0	0.807651	Y
7	IC 410-528230/18	300.0	240.19071	50.0	1004140.0	0.800636	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

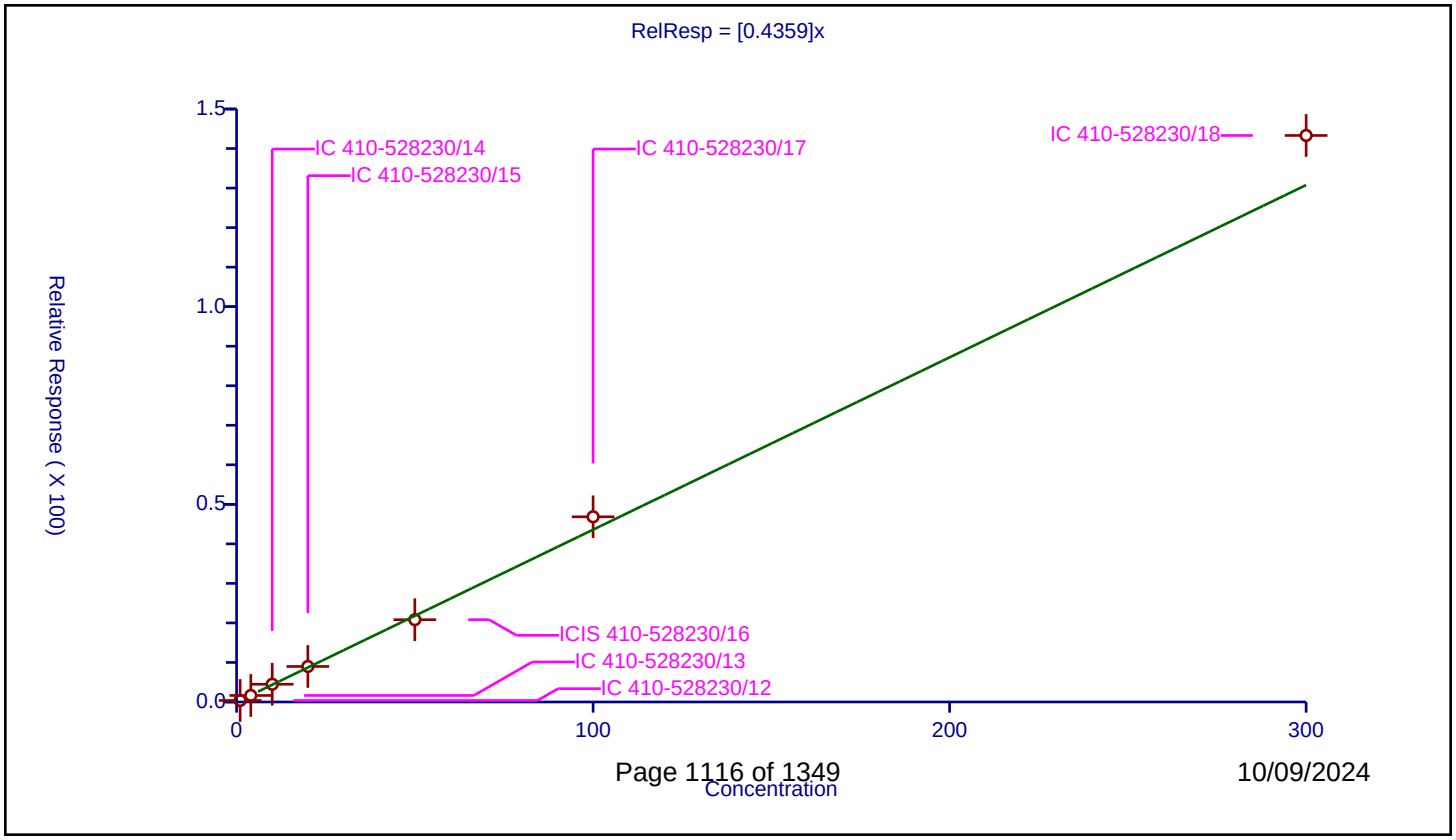
Curve Coefficients

Intercept:	0
Slope:	0.4359

Error Coefficients

Relative Standard Deviation:	8.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	1.0	0.377792	50.0	900098.0	0.377792	Y
2	IC 410-528230/13	4.0	1.650975	50.0	895289.0	0.412744	Y
3	IC 410-528230/14	10.0	4.48748	50.0	888628.0	0.448748	Y
4	IC 410-528230/15	20.0	8.988324	50.0	873333.0	0.449416	Y
5	ICIS 410-528230/16	50.0	20.814867	50.0	856741.0	0.416297	Y
6	IC 410-528230/17	100.0	46.847533	50.0	917583.0	0.468475	Y
7	IC 410-528230/18	300.0	143.307457	50.0	1004140.0	0.477692	Y



Calibration / Ethyl methacrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

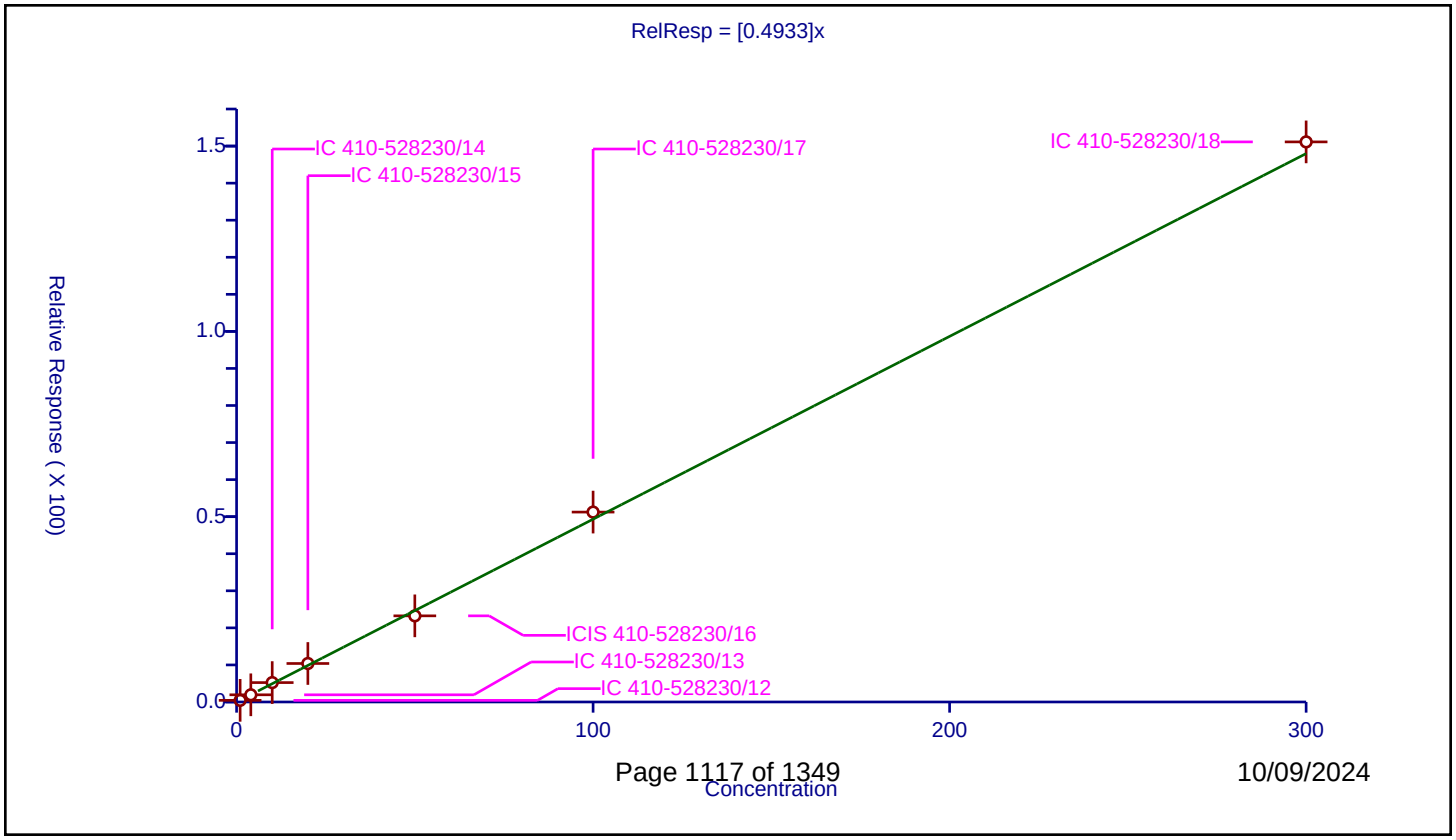
Curve Coefficients

Intercept:	0
Slope:	0.4933

Error Coefficients

Relative Standard Deviation:	6.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	1.0	0.44484	50.0	900098.0	0.44484	Y
2	IC 410-528230/13	4.0	1.936637	50.0	895289.0	0.484159	Y
3	IC 410-528230/14	10.0	5.231604	50.0	888628.0	0.52316	Y
4	IC 410-528230/15	20.0	10.389508	50.0	873333.0	0.519475	Y
5	ICIS 410-528230/16	50.0	23.247808	50.0	856741.0	0.464956	Y
6	IC 410-528230/17	100.0	51.239997	50.0	917583.0	0.5124	Y
7	IC 410-528230/18	300.0	151.128379	50.0	1004140.0	0.503761	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

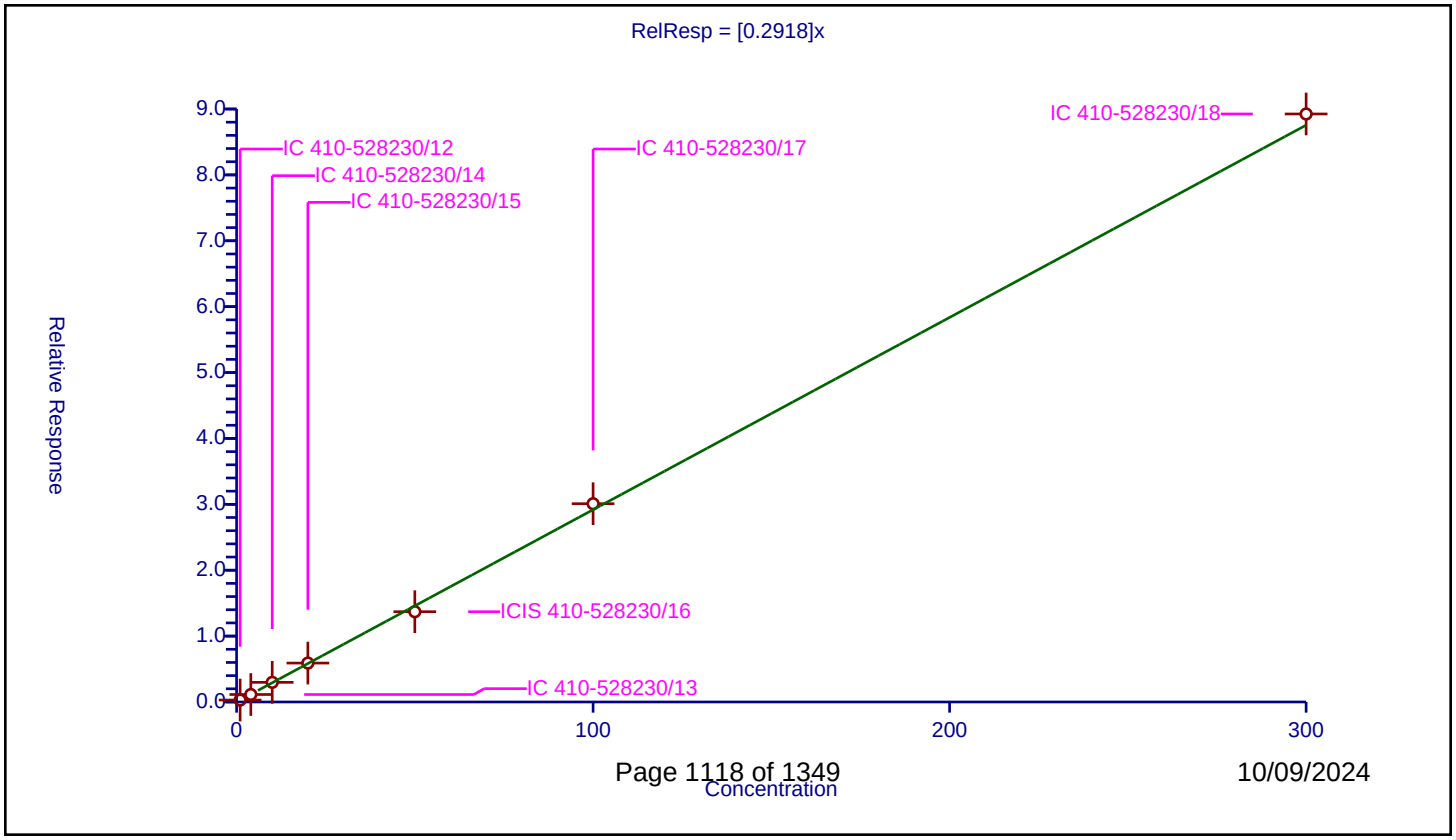
Curve Coefficients

Intercept:	0
Slope:	0.2918

Error Coefficients

Relative Standard Deviation:	3.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	1.0	0.293468	50.0	900098.0	0.293468	Y
2	IC 410-528230/13	4.0	1.134047	50.0	895289.0	0.283512	Y
3	IC 410-528230/14	10.0	2.979706	50.0	888628.0	0.297971	Y
4	IC 410-528230/15	20.0	5.908914	50.0	873333.0	0.295446	Y
5	ICIS 410-528230/16	50.0	13.703033	50.0	856741.0	0.274061	Y
6	IC 410-528230/17	100.0	30.09379	50.0	917583.0	0.300938	Y
7	IC 410-528230/18	300.0	89.246918	50.0	1004140.0	0.29749	Y



Calibration / Tetrachloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

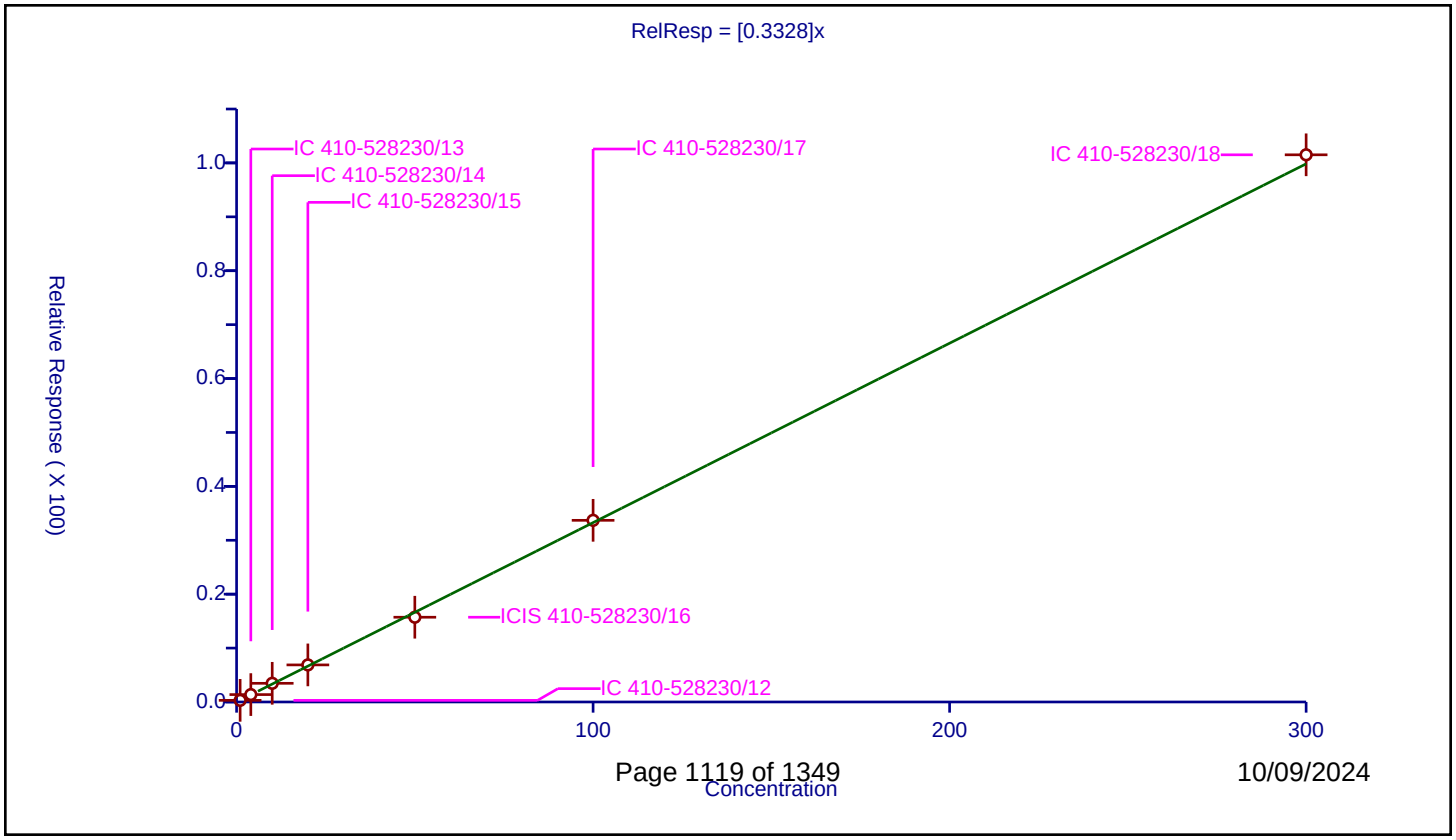
Curve Coefficients

Intercept:	0
Slope:	0.3328

Error Coefficients

Relative Standard Deviation:	4.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	1.0	0.306356	50.0	900098.0	0.306356	Y
2	IC 410-528230/13	4.0	1.371792	50.0	895289.0	0.342948	Y
3	IC 410-528230/14	10.0	3.464048	50.0	888628.0	0.346405	Y
4	IC 410-528230/15	20.0	6.876873	50.0	873333.0	0.343844	Y
5	ICIS 410-528230/16	50.0	15.723889	50.0	856741.0	0.314478	Y
6	IC 410-528230/17	100.0	33.698968	50.0	917583.0	0.33699	Y
7	IC 410-528230/18	300.0	101.507111	50.0	1004140.0	0.338357	Y



Calibration / 1,3-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

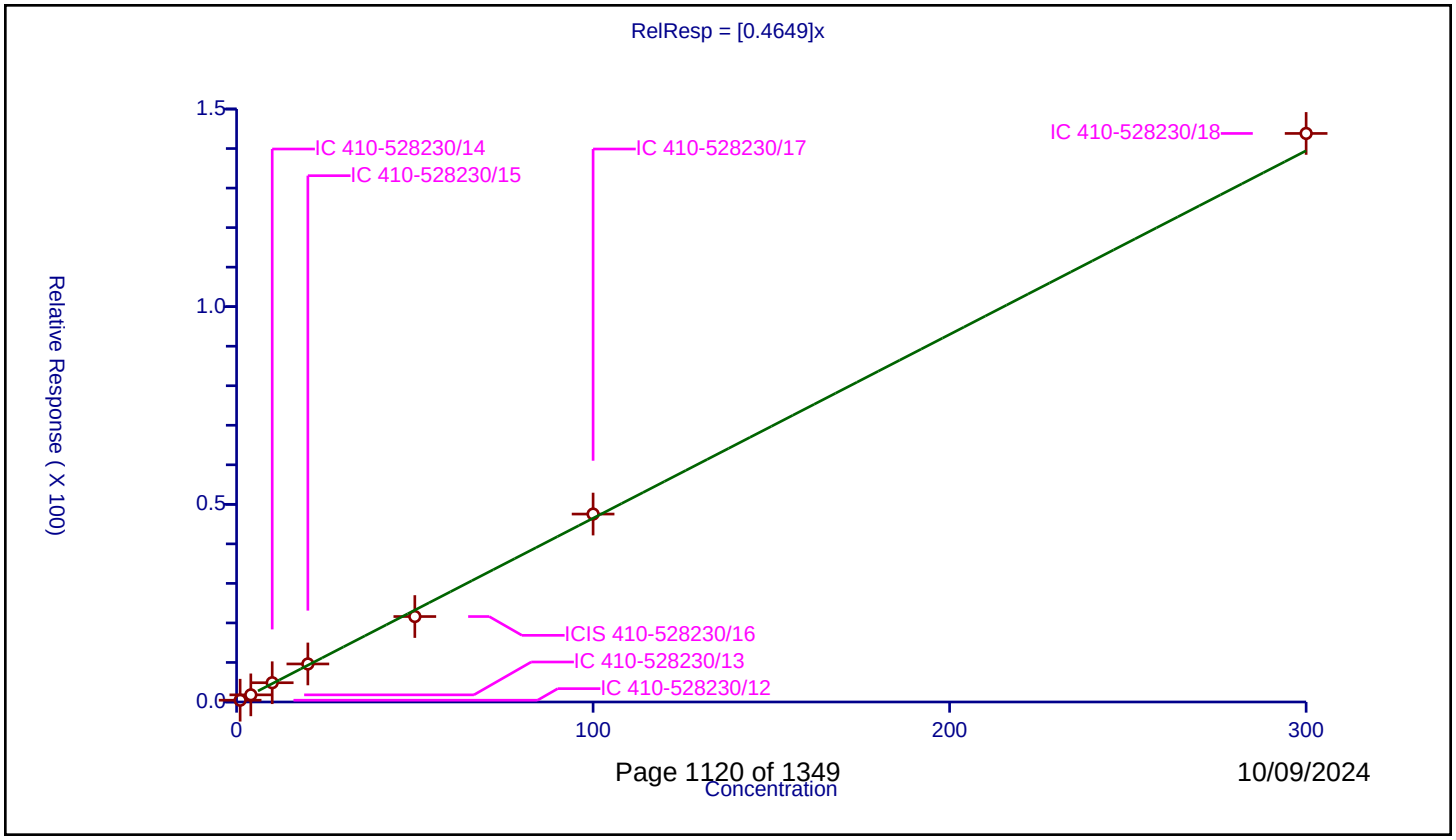
Curve Coefficients

Intercept:	0
Slope:	0.4649

Error Coefficients

Relative Standard Deviation:	4.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	1.0	0.447396	50.0	900098.0	0.447396	Y
2	IC 410-528230/13	4.0	1.802044	50.0	895289.0	0.450511	Y
3	IC 410-528230/14	10.0	4.876225	50.0	888628.0	0.487622	Y
4	IC 410-528230/15	20.0	9.625996	50.0	873333.0	0.4813	Y
5	ICIS 410-528230/16	50.0	21.617443	50.0	856741.0	0.432349	Y
6	IC 410-528230/17	100.0	47.537389	50.0	917583.0	0.475374	Y
7	IC 410-528230/18	300.0	143.822425	50.0	1004140.0	0.479408	Y



Calibration / 2-Hexanone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

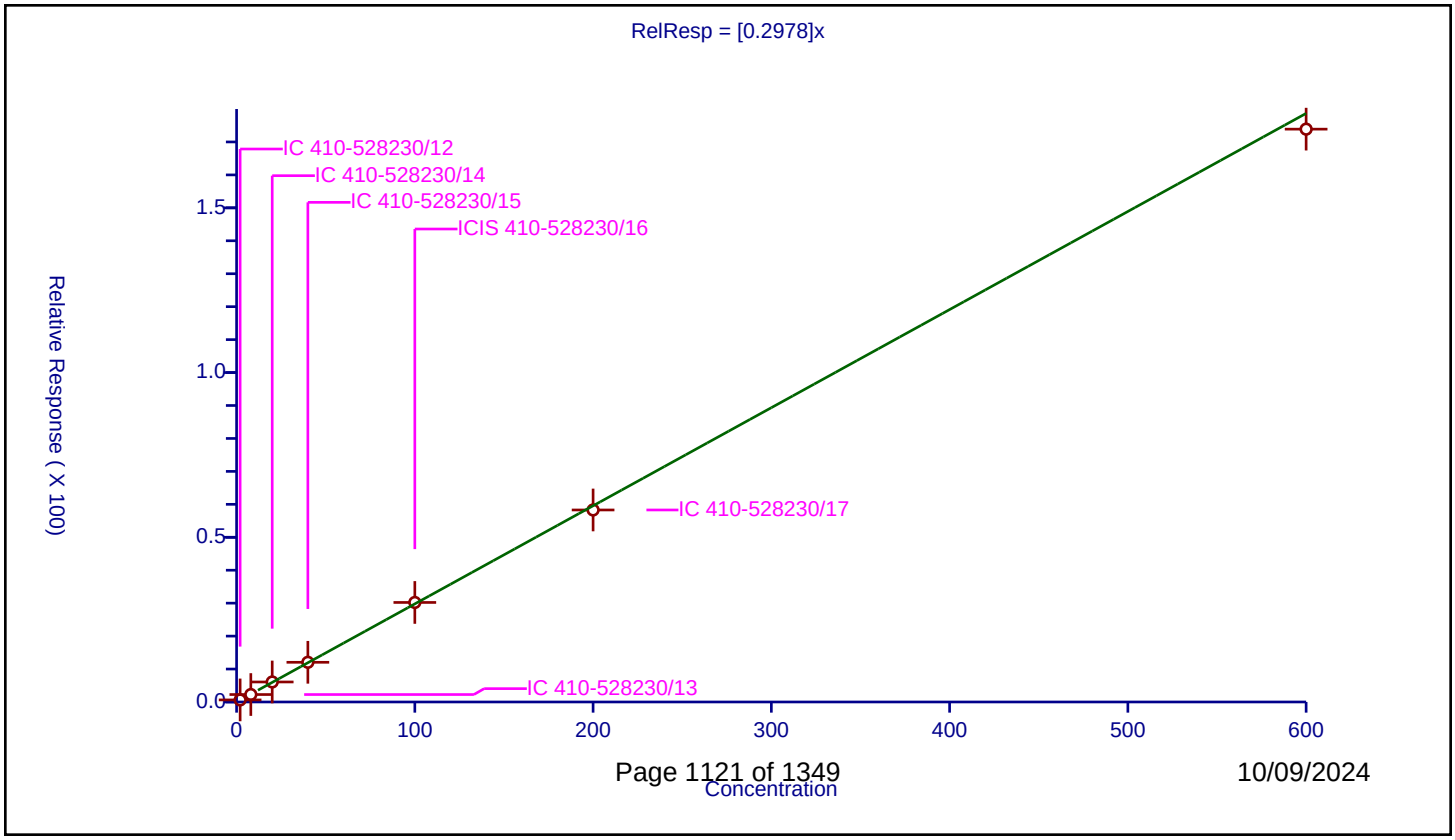
Curve Coefficients

Intercept:	0
Slope:	0.2978

Error Coefficients

Relative Standard Deviation:	3.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	2.0	0.626821	50.0	900098.0	0.31341	Y
2	IC 410-528230/13	8.0	2.263738	50.0	895289.0	0.282967	Y
3	IC 410-528230/14	20.0	6.071269	50.0	888628.0	0.303563	Y
4	IC 410-528230/15	40.0	12.048153	50.0	873333.0	0.301204	Y
5	ICIS 410-528230/16	100.0	30.214207	50.0	856741.0	0.302142	Y
6	IC 410-528230/17	200.0	58.290531	50.0	917583.0	0.291453	Y
7	IC 410-528230/18	600.0	173.887854	50.0	1004140.0	0.289813	Y



Calibration / Chlorodibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

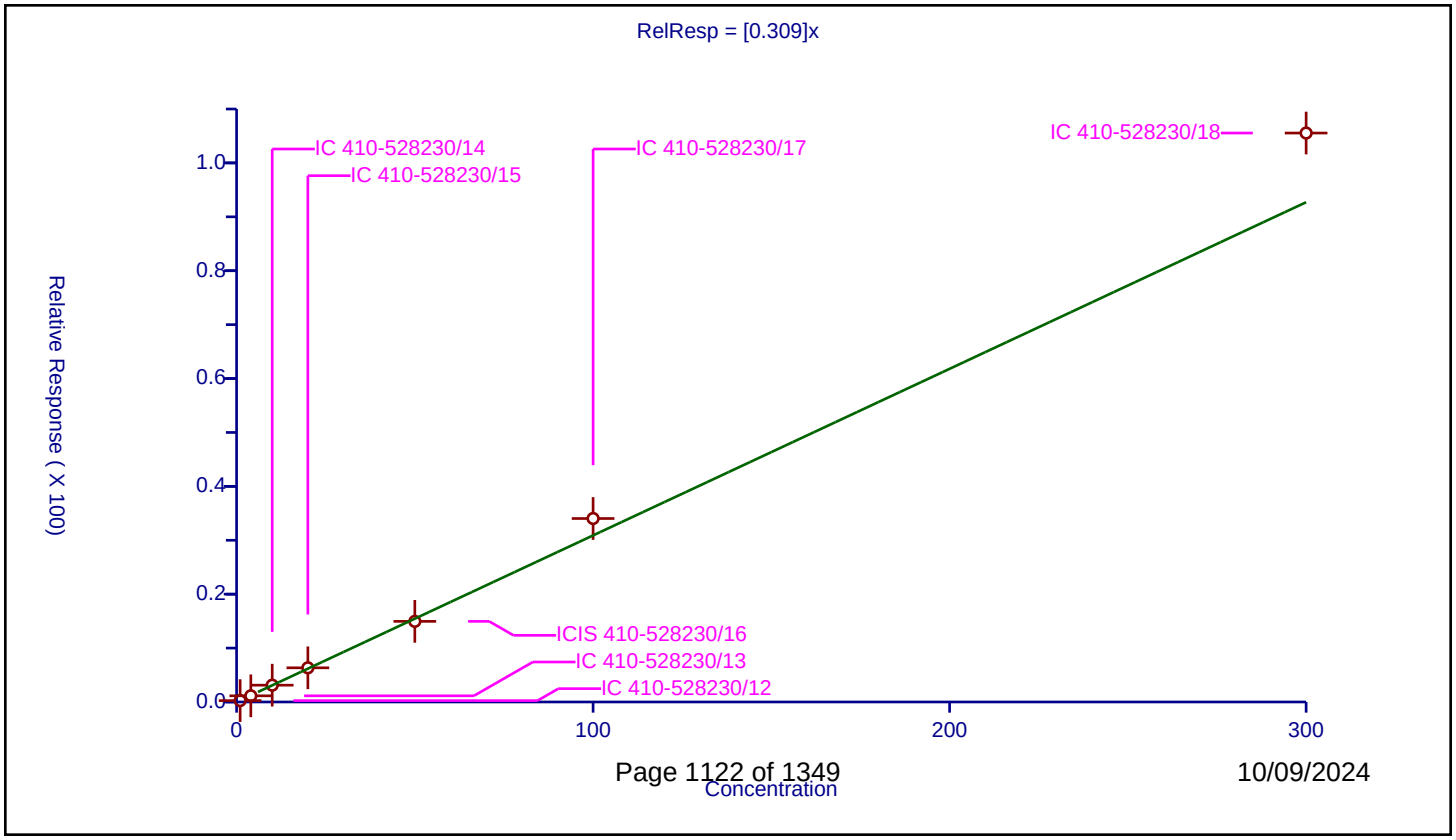
Curve Coefficients

Intercept:	0
Slope:	0.309

Error Coefficients

Relative Standard Deviation:	10.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	1.0	0.255805	50.0	900098.0	0.255805	Y
2	IC 410-528230/13	4.0	1.147618	50.0	895289.0	0.286905	Y
3	IC 410-528230/14	10.0	3.120822	50.0	888628.0	0.312082	Y
4	IC 410-528230/15	20.0	6.341567	50.0	873333.0	0.317078	Y
5	ICIS 410-528230/16	50.0	14.954286	50.0	856741.0	0.299086	Y
6	IC 410-528230/17	100.0	34.036866	50.0	917583.0	0.340369	Y
7	IC 410-528230/18	300.0	105.542255	50.0	1004140.0	0.351808	Y



Calibration / Ethylene Dibromide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

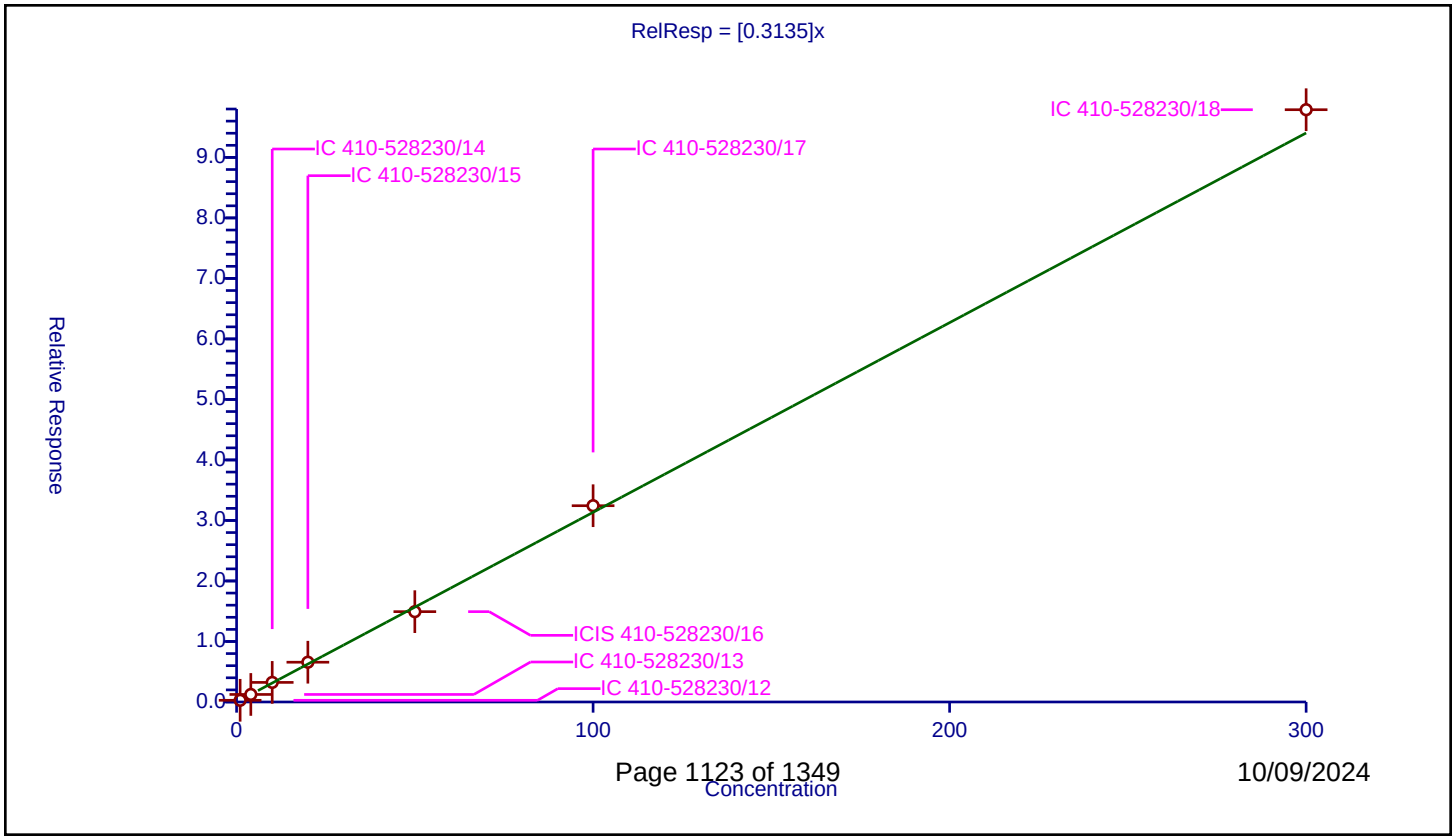
Curve Coefficients

Intercept:	0
Slope:	0.3135

Error Coefficients

Relative Standard Deviation:	5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	1.0	0.281858	50.0	900098.0	0.281858	Y
2	IC 410-528230/13	4.0	1.243621	50.0	895289.0	0.310905	Y
3	IC 410-528230/14	10.0	3.236787	50.0	888628.0	0.323679	Y
4	IC 410-528230/15	20.0	6.571606	50.0	873333.0	0.32858	Y
5	ICIS 410-528230/16	50.0	14.927323	50.0	856741.0	0.298546	Y
6	IC 410-528230/17	100.0	32.439463	50.0	917583.0	0.324395	Y
7	IC 410-528230/18	300.0	97.885056	50.0	1004140.0	0.326284	Y



Calibration / 1-Chlorohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

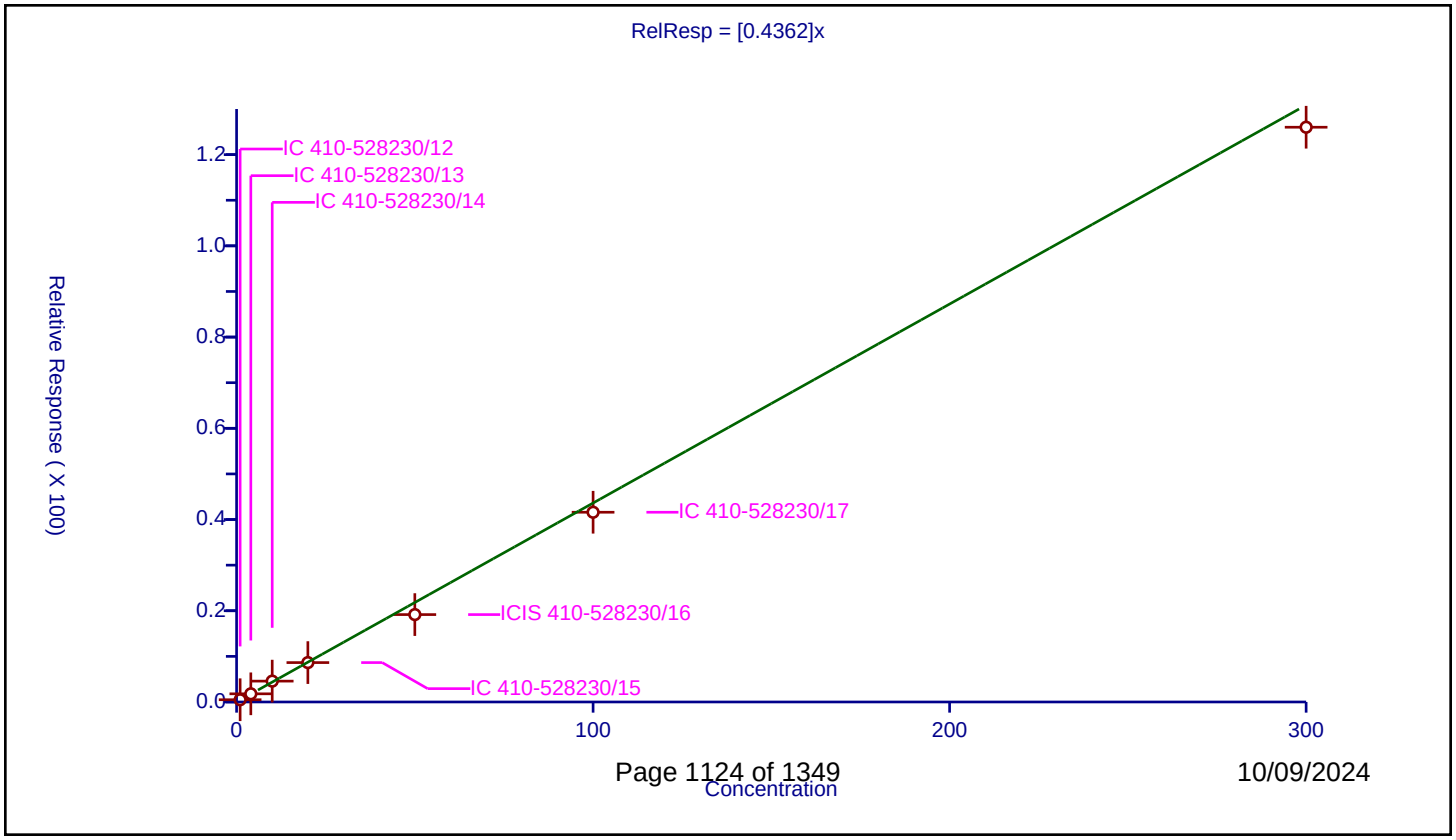
Curve Coefficients

Intercept:	0
Slope:	0.4362

Error Coefficients

Relative Standard Deviation:	8.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	1.0	0.496446	50.0	900098.0	0.496446	Y
2	IC 410-528230/13	4.0	1.793778	50.0	895289.0	0.448445	Y
3	IC 410-528230/14	10.0	4.574861	50.0	888628.0	0.457486	Y
4	IC 410-528230/15	20.0	8.637141	50.0	873333.0	0.431857	Y
5	ICIS 410-528230/16	50.0	19.162909	50.0	856741.0	0.383258	Y
6	IC 410-528230/17	100.0	41.598199	50.0	917583.0	0.415982	Y
7	IC 410-528230/18	300.0	126.007429	50.0	1004140.0	0.420025	Y



Calibration / Chlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

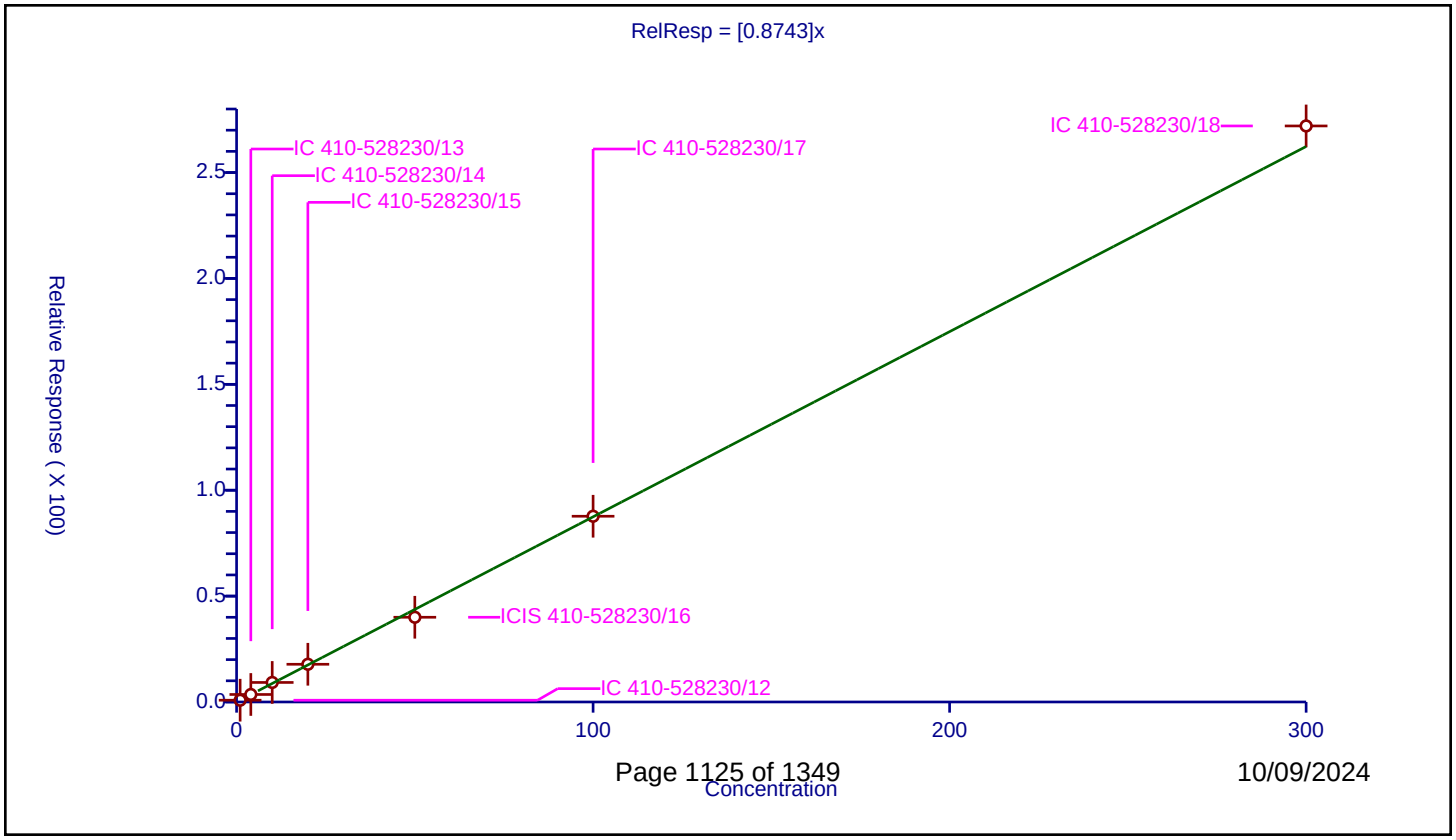
Curve Coefficients

Intercept:	0
Slope:	0.8743

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	1.0	0.837909	50.0	900098.0	0.837909	Y
2	IC 410-528230/13	4.0	3.544219	50.0	895289.0	0.886055	Y
3	IC 410-528230/14	10.0	9.220112	50.0	888628.0	0.922011	Y
4	IC 410-528230/15	20.0	17.809415	50.0	873333.0	0.890471	Y
5	ICIS 410-528230/16	50.0	40.005614	50.0	856741.0	0.800112	Y
6	IC 410-528230/17	100.0	87.705526	50.0	917583.0	0.877055	Y
7	IC 410-528230/18	300.0	272.005696	50.0	1004140.0	0.906686	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

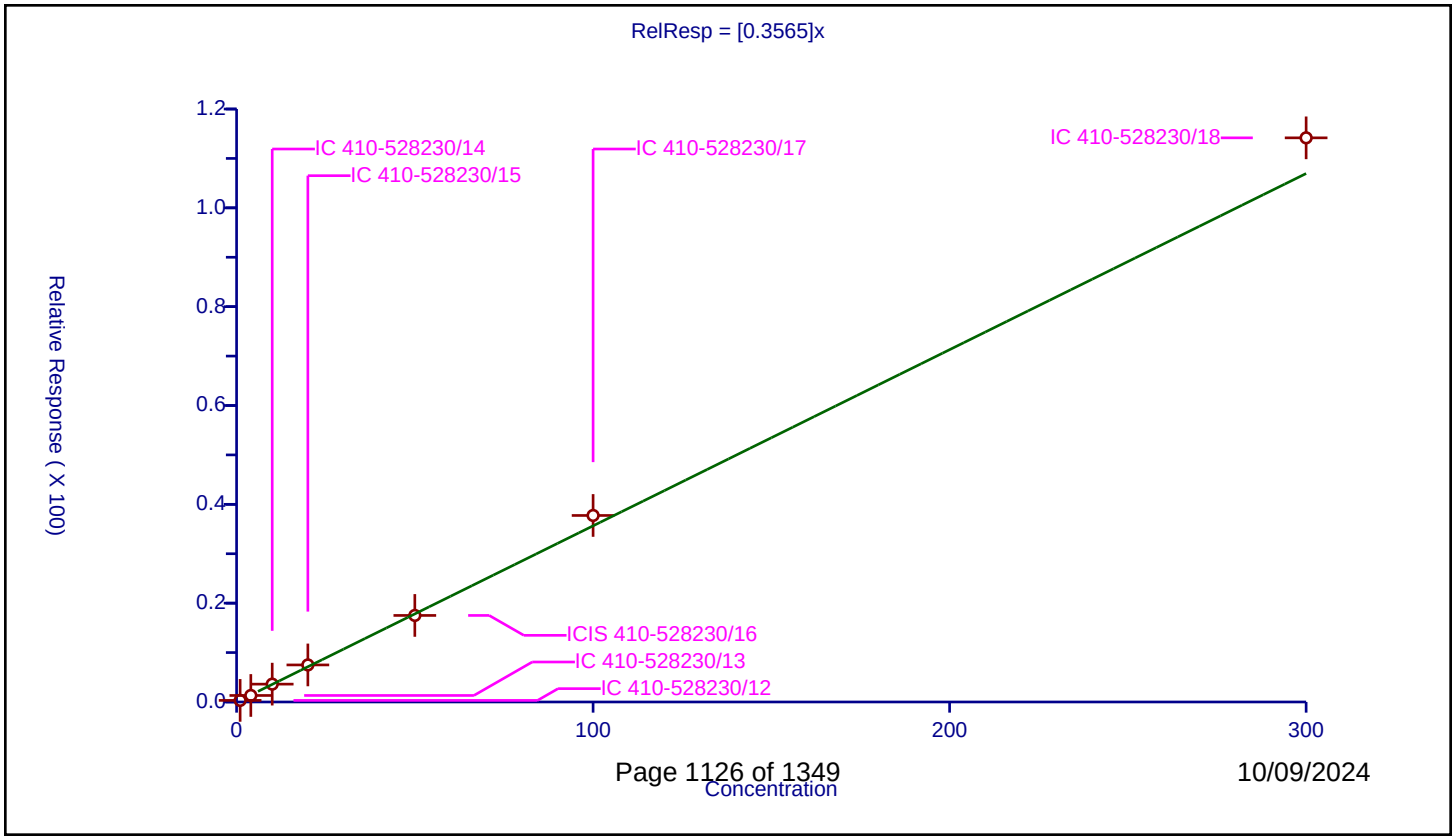
Curve Coefficients

Intercept:	0
Slope:	0.3565

Error Coefficients

Relative Standard Deviation:	6.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	1.0	0.320854	50.0	900098.0	0.320854	Y
2	IC 410-528230/13	4.0	1.319853	50.0	895289.0	0.329963	Y
3	IC 410-528230/14	10.0	3.611748	50.0	888628.0	0.361175	Y
4	IC 410-528230/15	20.0	7.499888	50.0	873333.0	0.374994	Y
5	ICIS 410-528230/16	50.0	17.516963	50.0	856741.0	0.350339	Y
6	IC 410-528230/17	100.0	37.746449	50.0	917583.0	0.377464	Y
7	IC 410-528230/18	300.0	114.166401	50.0	1004140.0	0.380555	Y



Calibration / Ethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

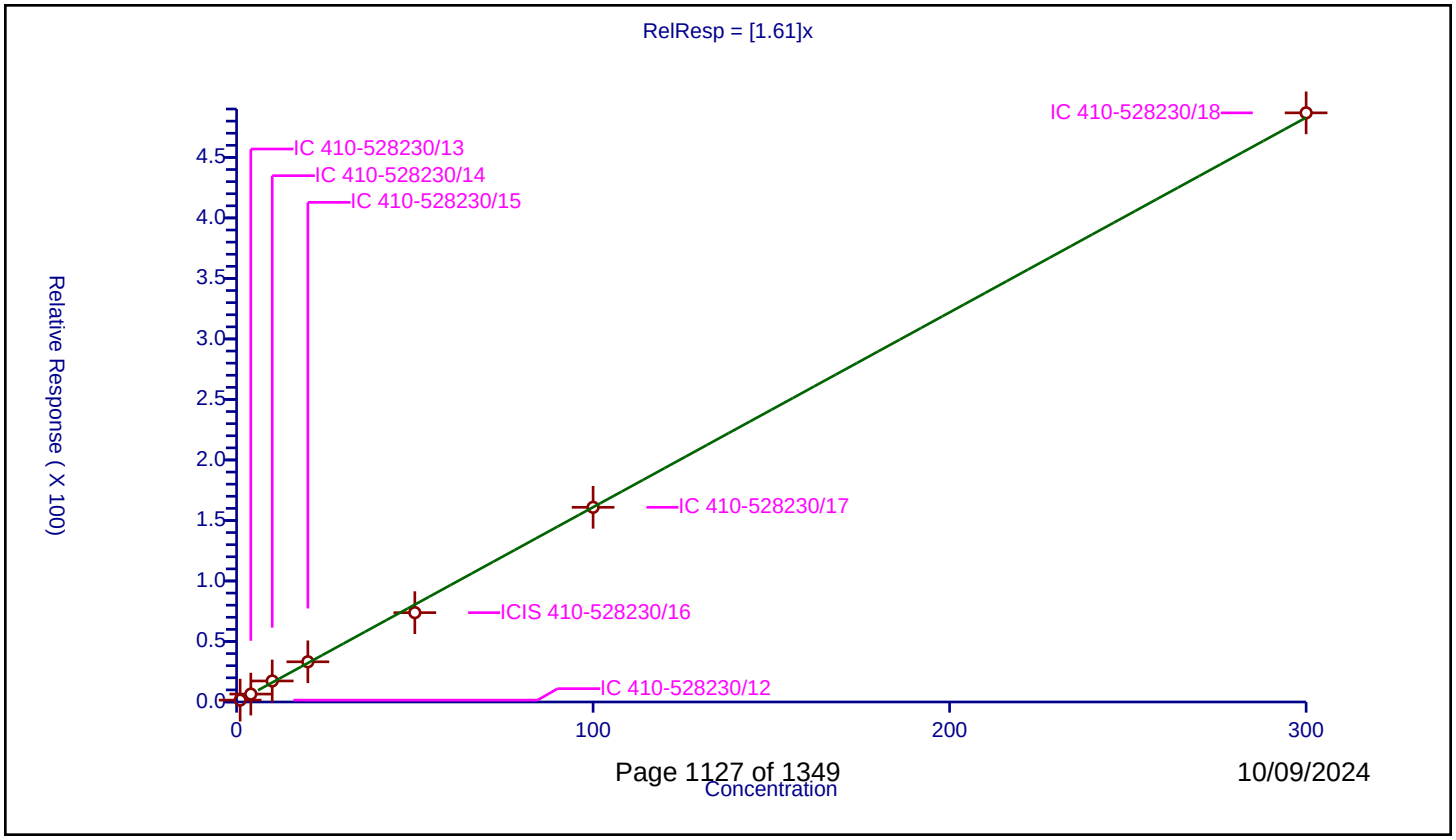
Curve Coefficients

Intercept:	0
Slope:	1.61

Error Coefficients

Relative Standard Deviation:	5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	1.0	1.528667	50.0	900098.0	1.528667	Y
2	IC 410-528230/13	4.0	6.53532	50.0	895289.0	1.63383	Y
3	IC 410-528230/14	10.0	17.369811	50.0	888628.0	1.736981	Y
4	IC 410-528230/15	20.0	33.210471	50.0	873333.0	1.660524	Y
5	ICIS 410-528230/16	50.0	73.831531	50.0	856741.0	1.476631	Y
6	IC 410-528230/17	100.0	160.876945	50.0	917583.0	1.608769	Y
7	IC 410-528230/18	300.0	486.83575	50.0	1004140.0	1.622786	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

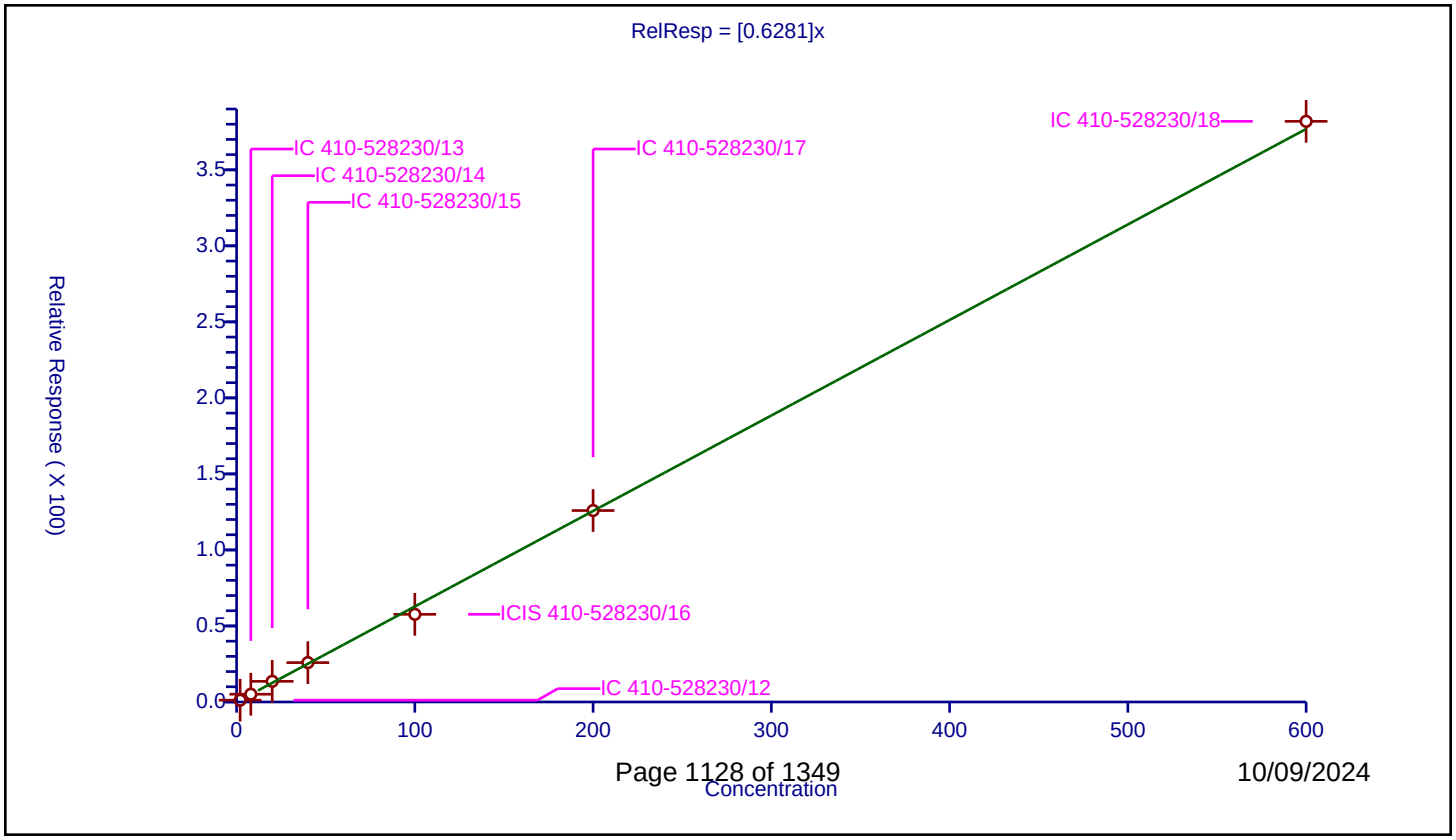
Curve Coefficients

Intercept:	0
Slope:	0.6281

Error Coefficients

Relative Standard Deviation:	5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	2.0	1.17515	50.0	900098.0	0.587575	Y
2	IC 410-528230/13	8.0	5.118403	50.0	895289.0	0.6398	Y
3	IC 410-528230/14	20.0	13.588082	50.0	888628.0	0.679404	Y
4	IC 410-528230/15	40.0	25.890411	50.0	873333.0	0.64726	Y
5	ICIS 410-528230/16	100.0	57.65669	50.0	856741.0	0.576567	Y
6	IC 410-528230/17	200.0	125.923213	50.0	917583.0	0.629616	Y
7	IC 410-528230/18	600.0	381.89122	50.0	1004140.0	0.636485	Y



Calibration / n-Butyl acrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

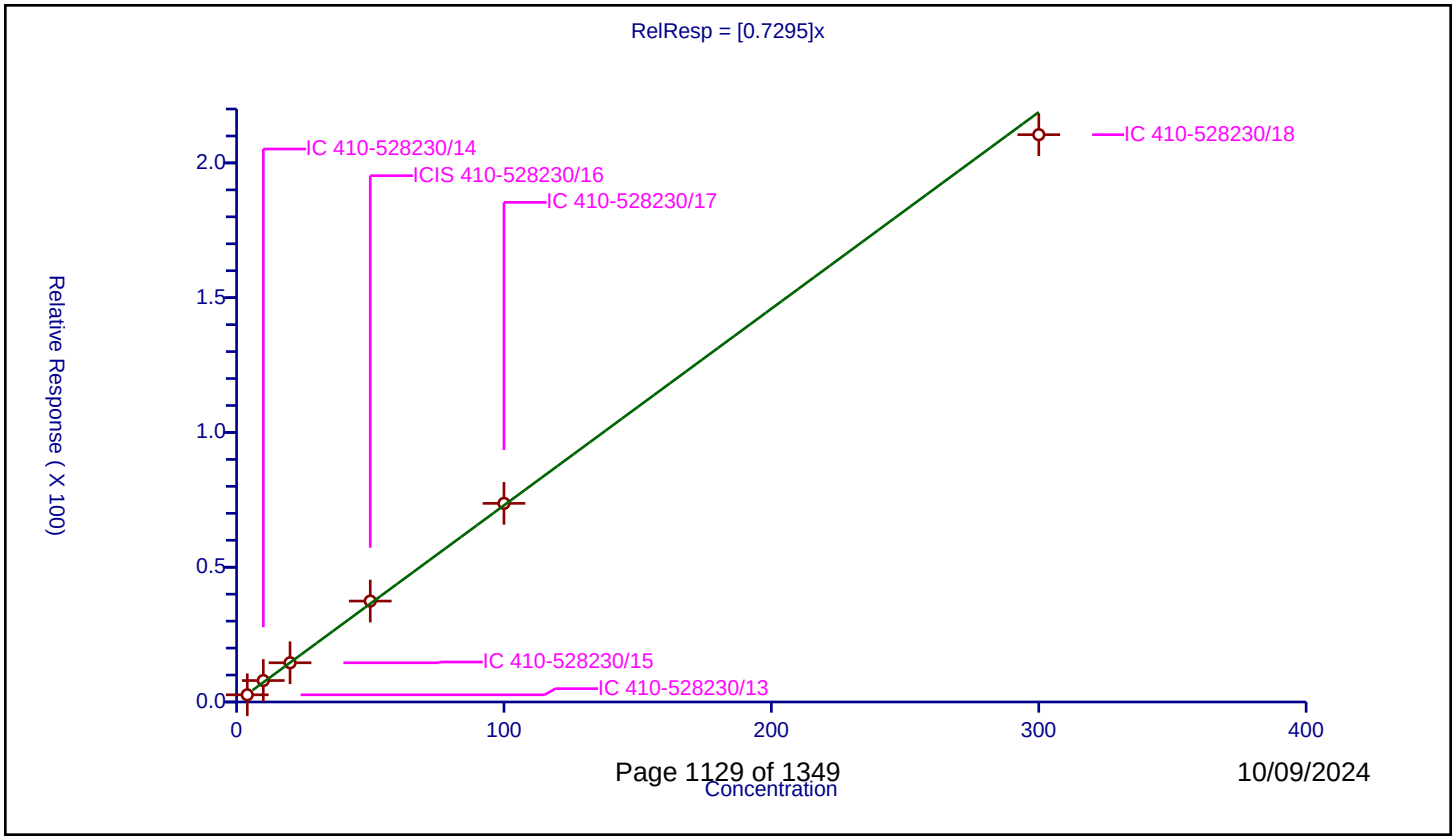
Curve Coefficients

Intercept:	0
Slope:	0.7295

Error Coefficients

Relative Standard Deviation:	6.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/13	4.000285	2.665676	50.0	895289.0	0.666371	Y
2	IC 410-528230/14	10.000712	7.960924	50.0	888628.0	0.796036	Y
3	IC 410-528230/15	20.001424	14.544109	50.0	873333.0	0.727154	Y
4	ICIS 410-528230/16	50.00356	37.446264	50.0	856741.0	0.748872	Y
5	IC 410-528230/17	100.00712	73.695186	50.0	917583.0	0.736899	Y
6	IC 410-528230/18	300.02136	210.478569	50.0	1004140.0	0.701545	Y



Calibration / o-Xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

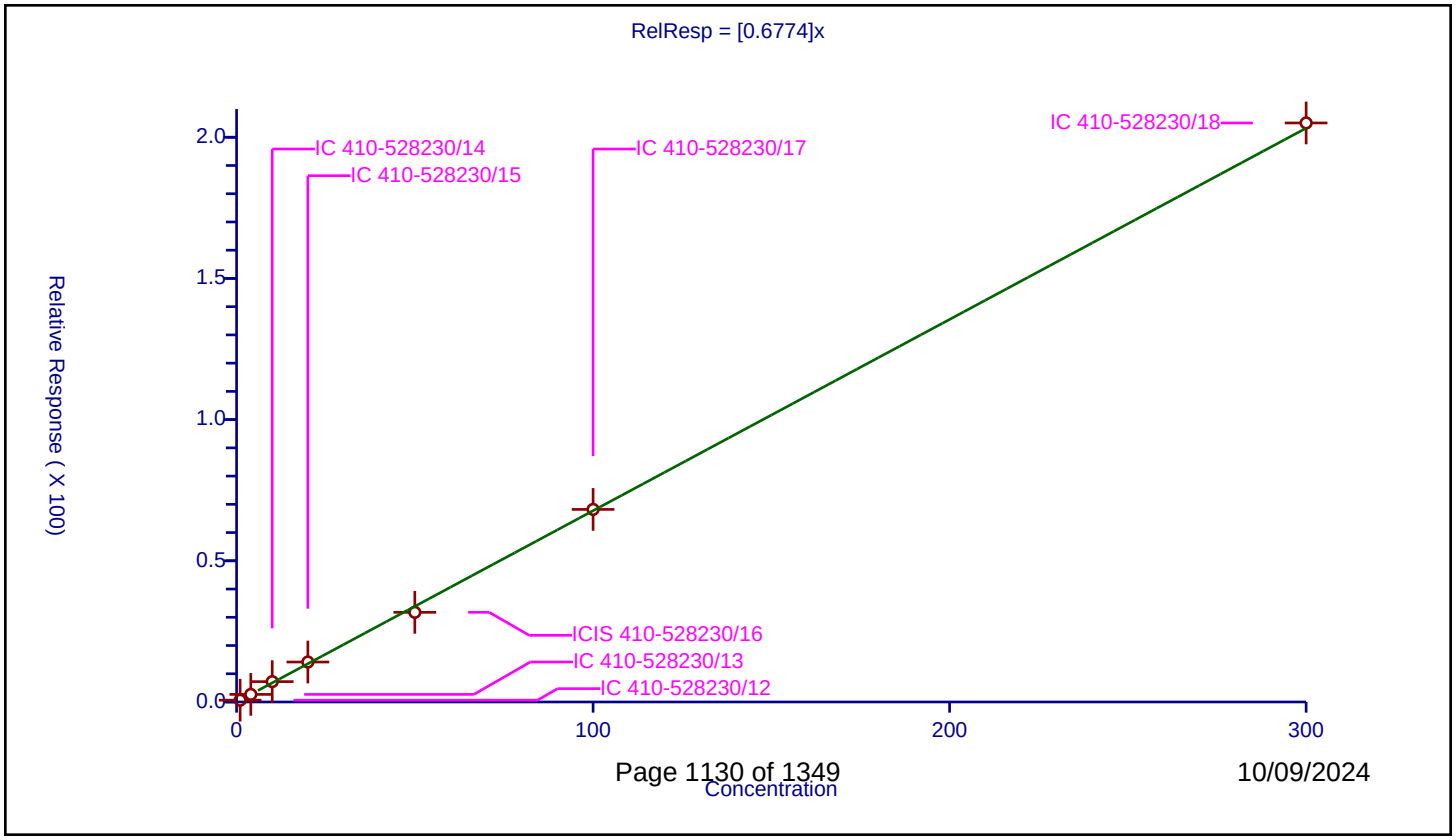
Curve Coefficients

Intercept:	0
Slope:	0.6774

Error Coefficients

Relative Standard Deviation:	4.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	1.0	0.640041	50.0	900098.0	0.640041	Y
2	IC 410-528230/13	4.0	2.689355	50.0	895289.0	0.672339	Y
3	IC 410-528230/14	10.0	7.212467	50.0	888628.0	0.721247	Y
4	IC 410-528230/15	20.0	14.152105	50.0	873333.0	0.707605	Y
5	ICIS 410-528230/16	50.0	31.757206	50.0	856741.0	0.635144	Y
6	IC 410-528230/17	100.0	68.19661	50.0	917583.0	0.681966	Y
7	IC 410-528230/18	300.0	205.064483	50.0	1004140.0	0.683548	Y



Calibration / Styrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

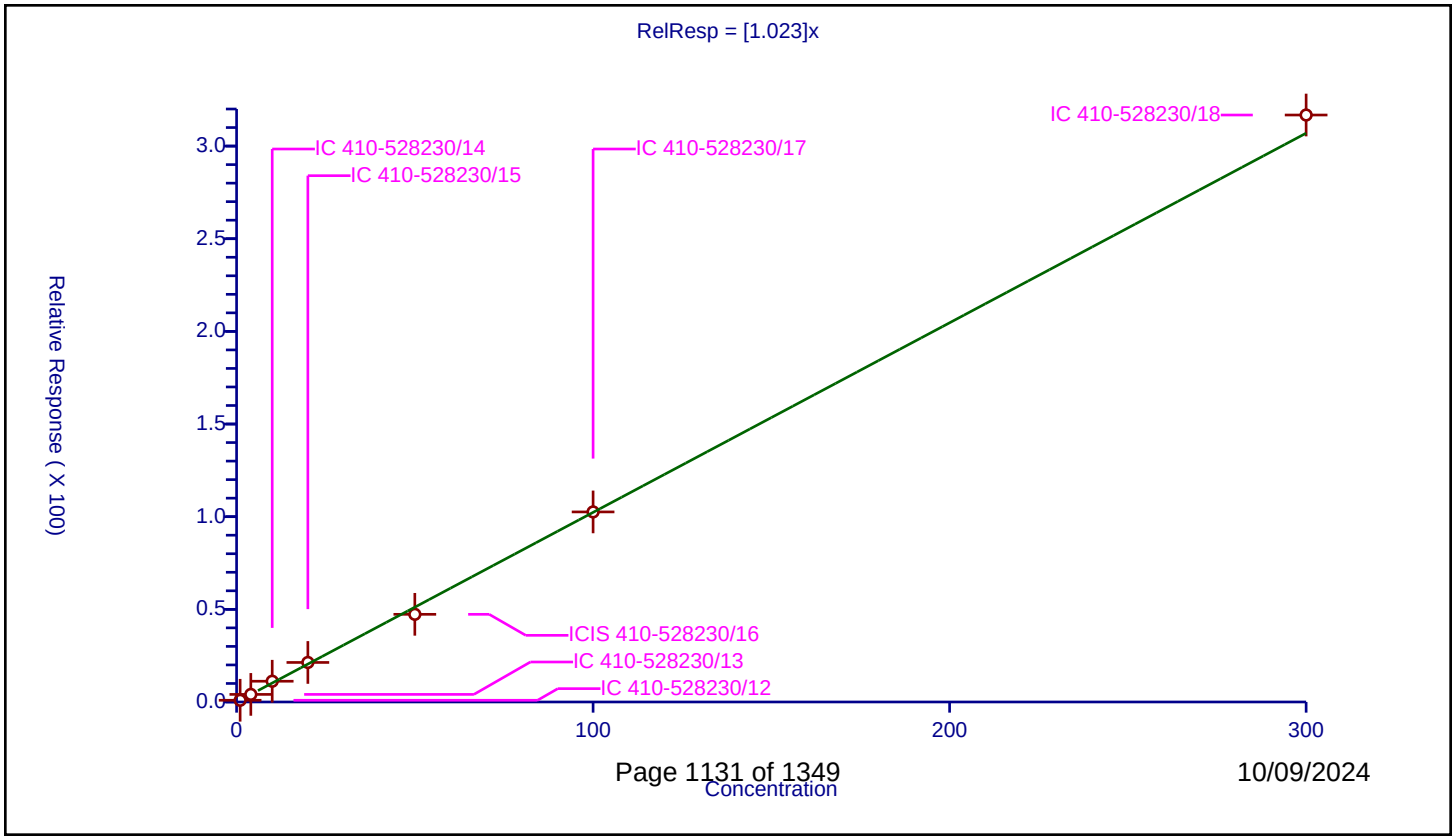
Curve Coefficients

Intercept:	0
Slope:	1.023

Error Coefficients

Relative Standard Deviation:	6.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	1.0	0.924844	50.0	900098.0	0.924844	Y
2	IC 410-528230/13	4.0	4.090411	50.0	895289.0	1.022603	Y
3	IC 410-528230/14	10.0	11.206489	50.0	888628.0	1.120649	Y
4	IC 410-528230/15	20.0	21.329436	50.0	873333.0	1.066472	Y
5	ICIS 410-528230/16	50.0	47.305253	50.0	856741.0	0.946105	Y
6	IC 410-528230/17	100.0	102.574917	50.0	917583.0	1.025749	Y
7	IC 410-528230/18	300.0	316.764694	50.0	1004140.0	1.055882	Y



10/09/2024

Calibration / Bromoform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

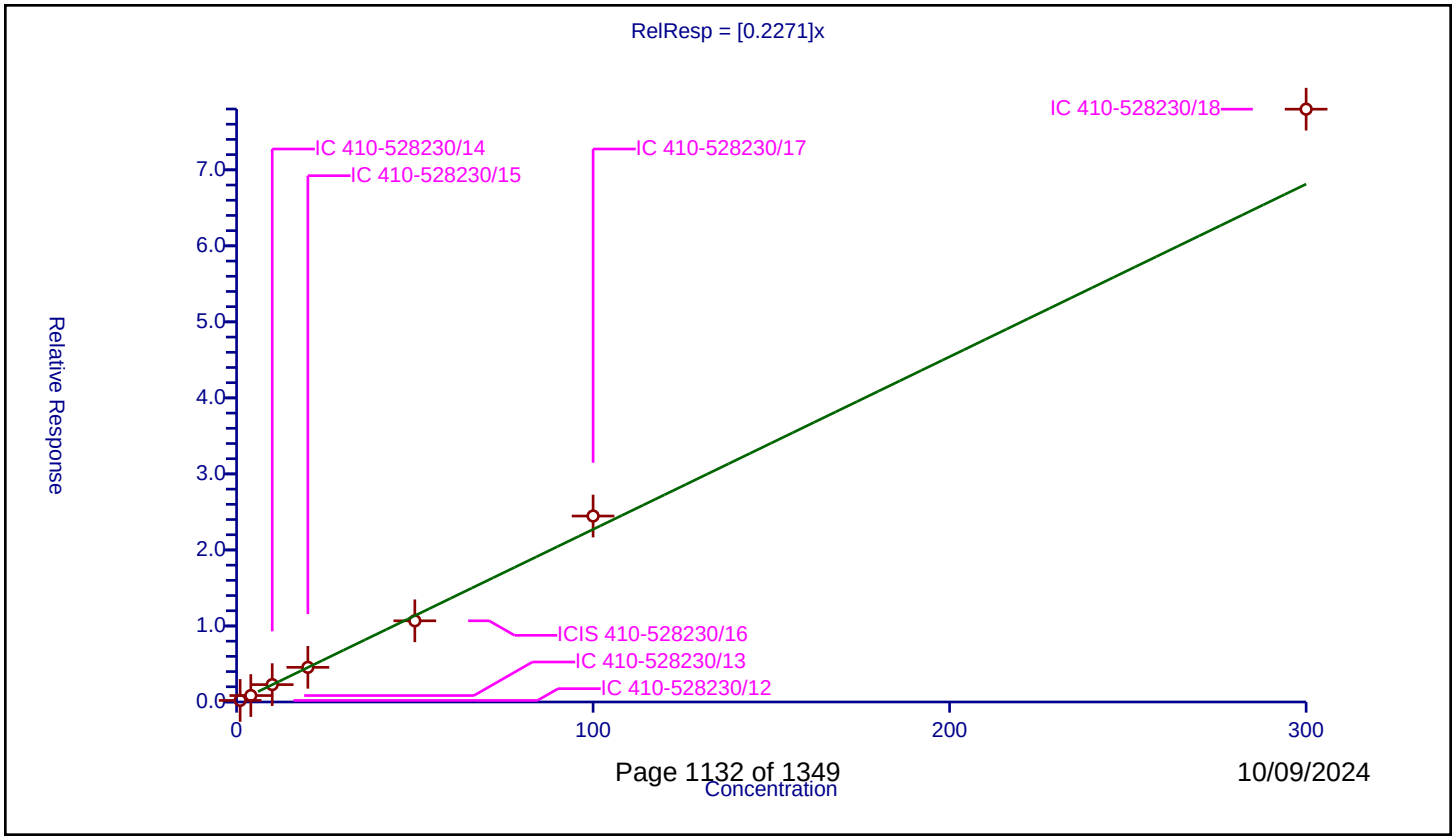
Curve Coefficients

Intercept:	0
Slope:	0.2271

Error Coefficients

Relative Standard Deviation:	8.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	1.0	0.203589	50.0	900098.0	0.203589	Y
2	IC 410-528230/13	4.0	0.845649	50.0	895289.0	0.211412	Y
3	IC 410-528230/14	10.0	2.285039	50.0	888628.0	0.228504	Y
4	IC 410-528230/15	20.0	4.556738	50.0	873333.0	0.227837	Y
5	ICIS 410-528230/16	50.0	10.680883	50.0	856741.0	0.213618	Y
6	IC 410-528230/17	100.0	24.462528	50.0	917583.0	0.244625	Y
7	IC 410-528230/18	300.0	77.980013	50.0	1004140.0	0.259933	Y



Calibration / Isopropylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

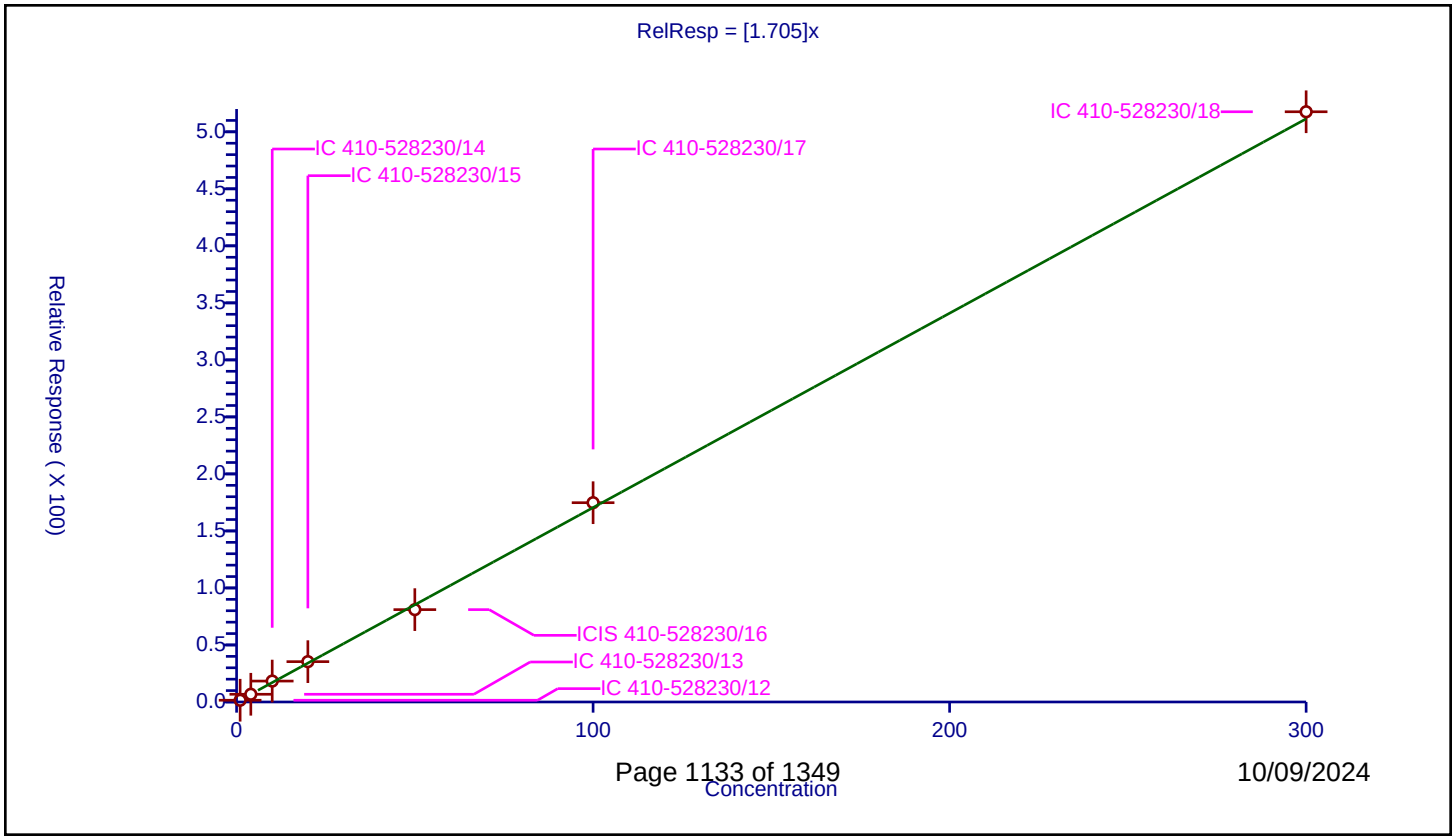
Curve Coefficients

Intercept:	0
Slope:	1.705

Error Coefficients

Relative Standard Deviation:	5.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	1.0	1.541943	50.0	900098.0	1.541943	Y
2	IC 410-528230/13	4.0	6.776862	50.0	895289.0	1.694215	Y
3	IC 410-528230/14	10.0	18.353687	50.0	888628.0	1.835369	Y
4	IC 410-528230/15	20.0	35.368639	50.0	873333.0	1.768432	Y
5	ICIS 410-528230/16	50.0	80.993031	50.0	856741.0	1.619861	Y
6	IC 410-528230/17	100.0	174.757924	50.0	917583.0	1.747579	Y
7	IC 410-528230/18	300.0	517.587737	50.0	1004140.0	1.725292	Y



Calibration / Cyclohexanone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

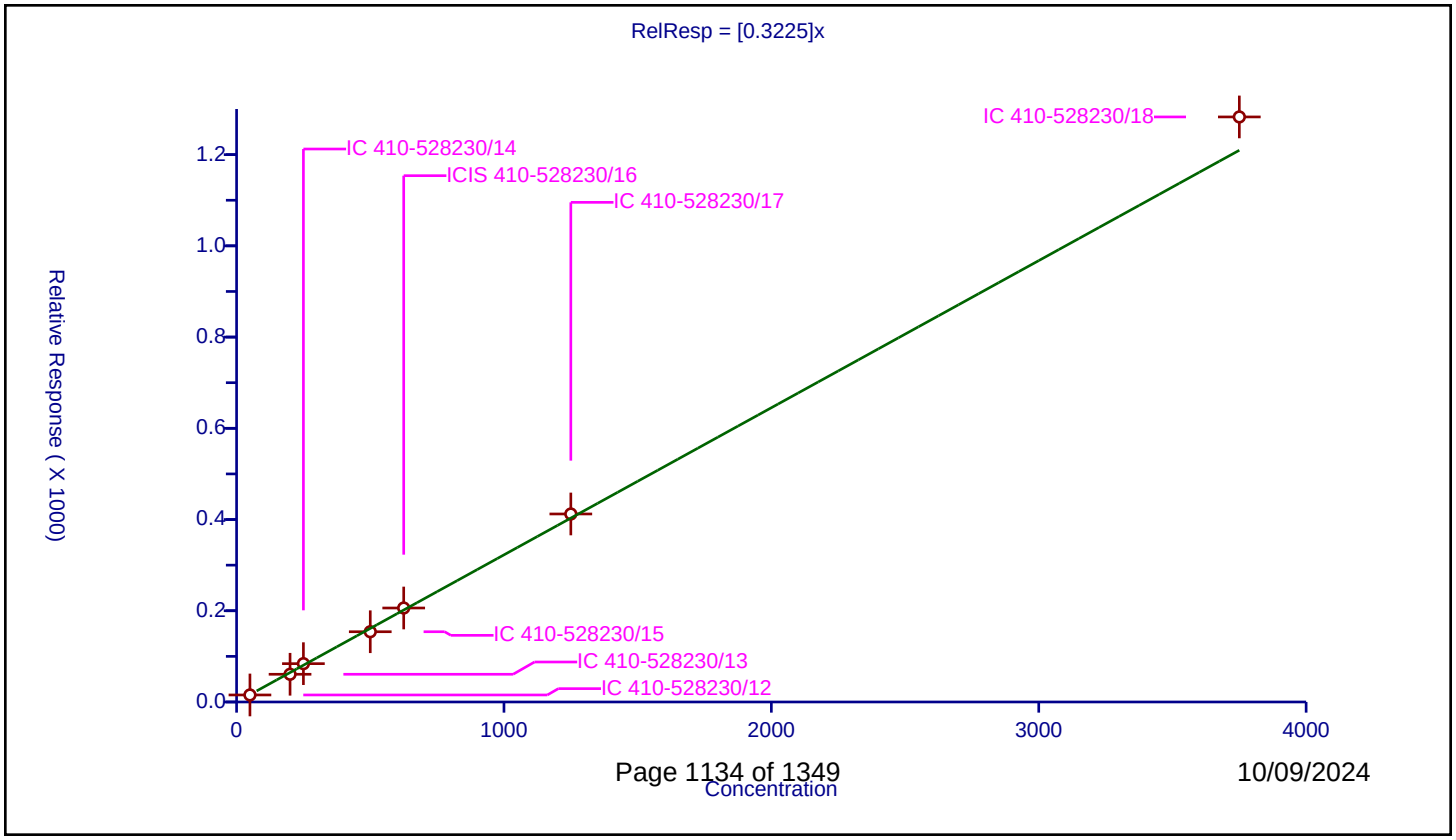
Curve Coefficients

Intercept:	0
Slope:	0.3225

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	50.003184	15.415485	250.0	280335.0	0.30829	Y
2	IC 410-528230/13	200.012736	60.786435	250.0	286610.0	0.303913	Y
3	IC 410-528230/14	250.01592	84.034842	250.0	282130.0	0.336118	Y
4	IC 410-528230/15	500.03184	154.012373	250.0	293866.0	0.308005	Y
5	ICIS 410-528230/16	625.0398	206.06422	250.0	295545.0	0.329682	Y
6	IC 410-528230/17	1250.0796	412.187908	250.0	300753.0	0.329729	Y
7	IC 410-528230/18	3750.2388	1282.639083	250.0	307262.0	0.342015	Y



Calibration / 4-Bromofluorobenzene (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

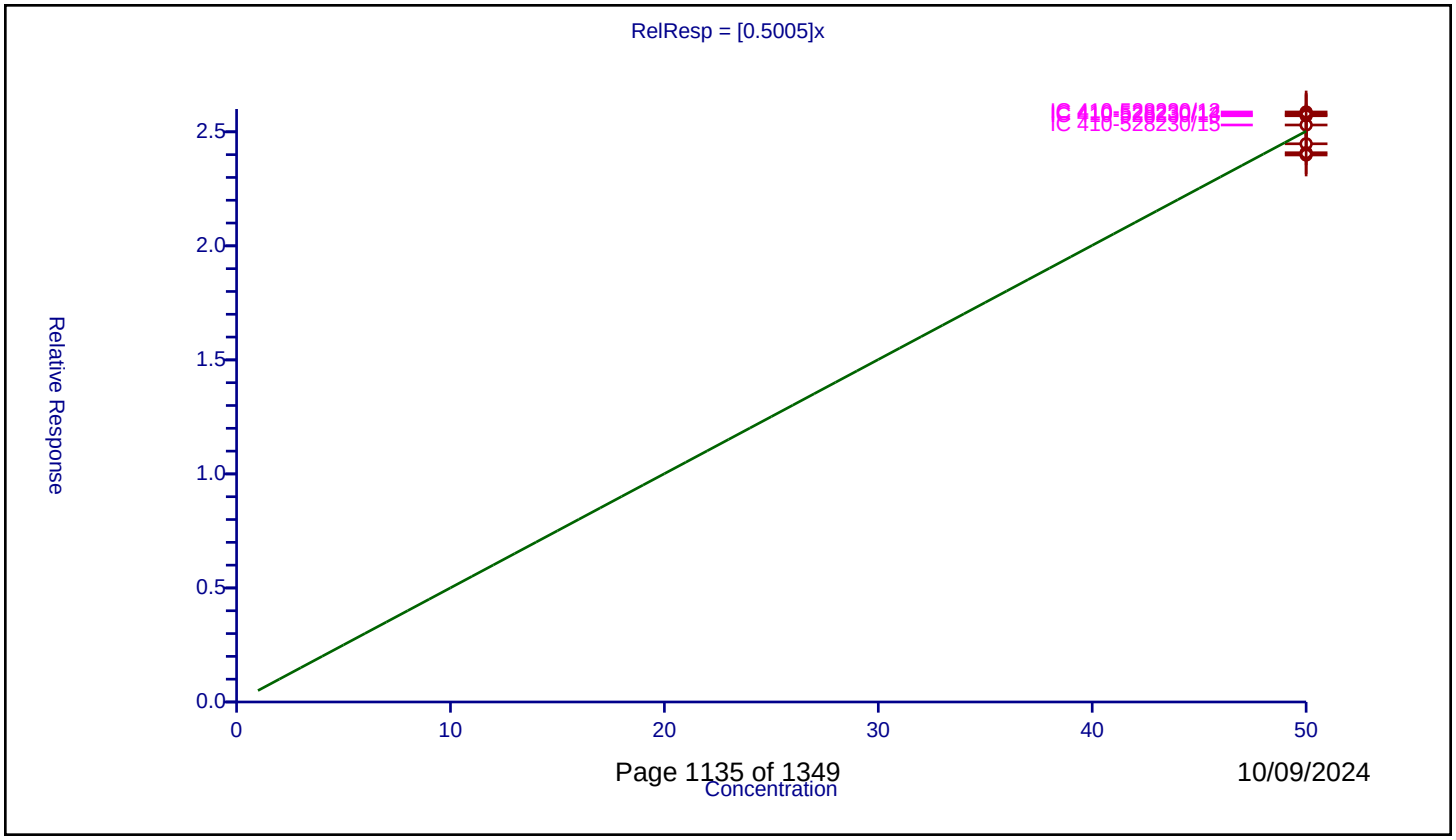
Curve Coefficients

Intercept:	0
Slope:	0.5005

Error Coefficients

Relative Standard Deviation:	3.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	50.0	25.86985	50.0	900098.0	0.517397	Y
2	IC 410-528230/13	50.0	25.703991	50.0	895289.0	0.51408	Y
3	IC 410-528230/14	50.0	25.768544	50.0	888628.0	0.515371	Y
4	IC 410-528230/15	50.0	25.299055	50.0	873333.0	0.505981	Y
5	ICIS 410-528230/16	50.0	24.475717	50.0	856741.0	0.489514	Y
6	IC 410-528230/17	50.0	23.984588	50.0	917583.0	0.479692	Y
7	IC 410-528230/18	50.0	24.083096	50.0	1004140.0	0.481662	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

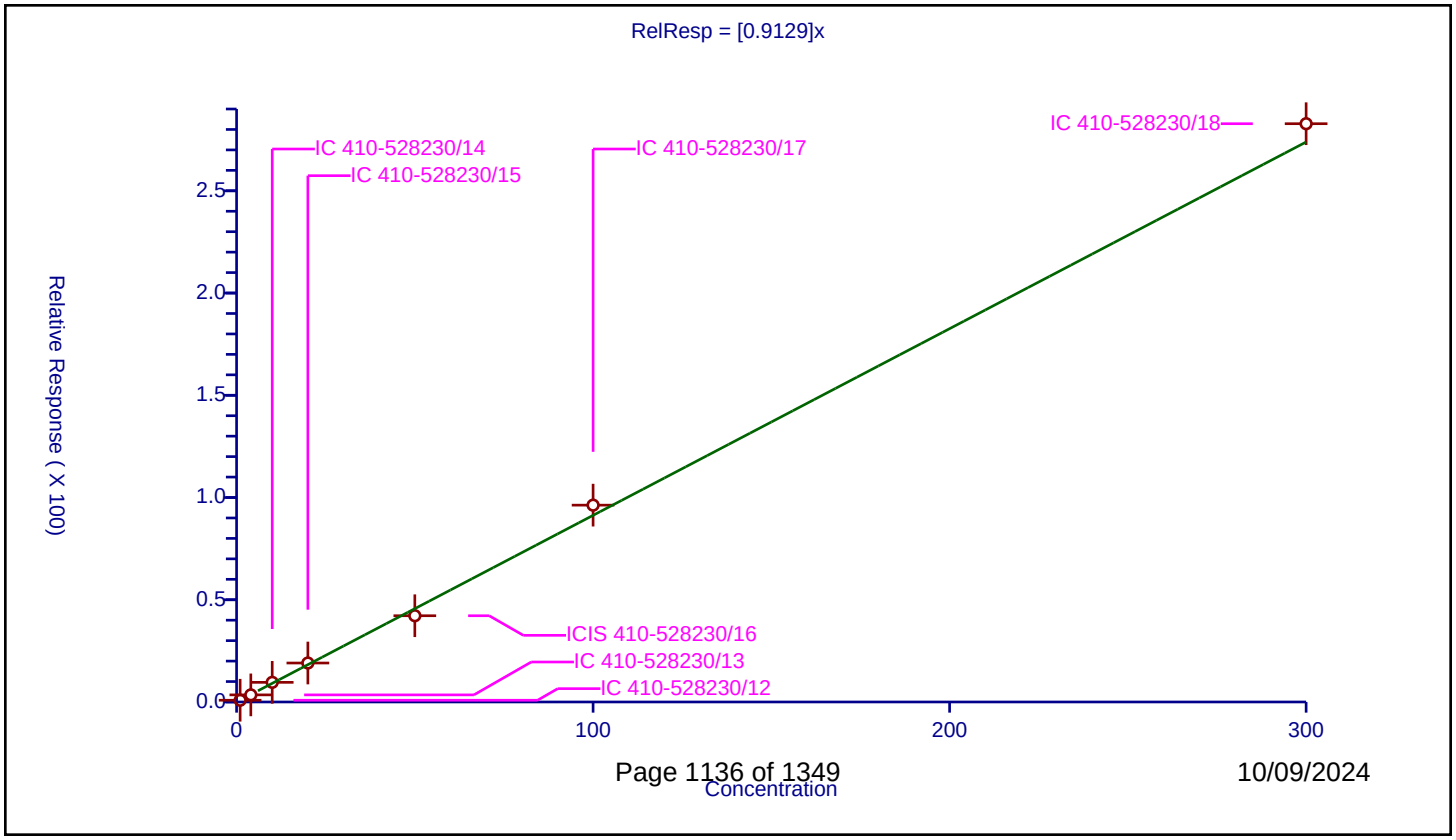
Curve Coefficients

Intercept:	0
Slope:	0.9129

Error Coefficients

Relative Standard Deviation:	5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	1.0	0.860545	50.0	553080.0	0.860545	Y
2	IC 410-528230/13	4.0	3.469449	50.0	544366.0	0.867362	Y
3	IC 410-528230/14	10.0	9.601578	50.0	531647.0	0.960158	Y
4	IC 410-528230/15	20.0	19.061858	50.0	515519.0	0.953093	Y
5	ICIS 410-528230/16	50.0	42.187673	50.0	487038.0	0.843753	Y
6	IC 410-528230/17	100.0	96.260836	50.0	503428.0	0.962608	Y
7	IC 410-528230/18	300.0	282.816035	50.0	558736.0	0.94272	Y



Calibration / Bromobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

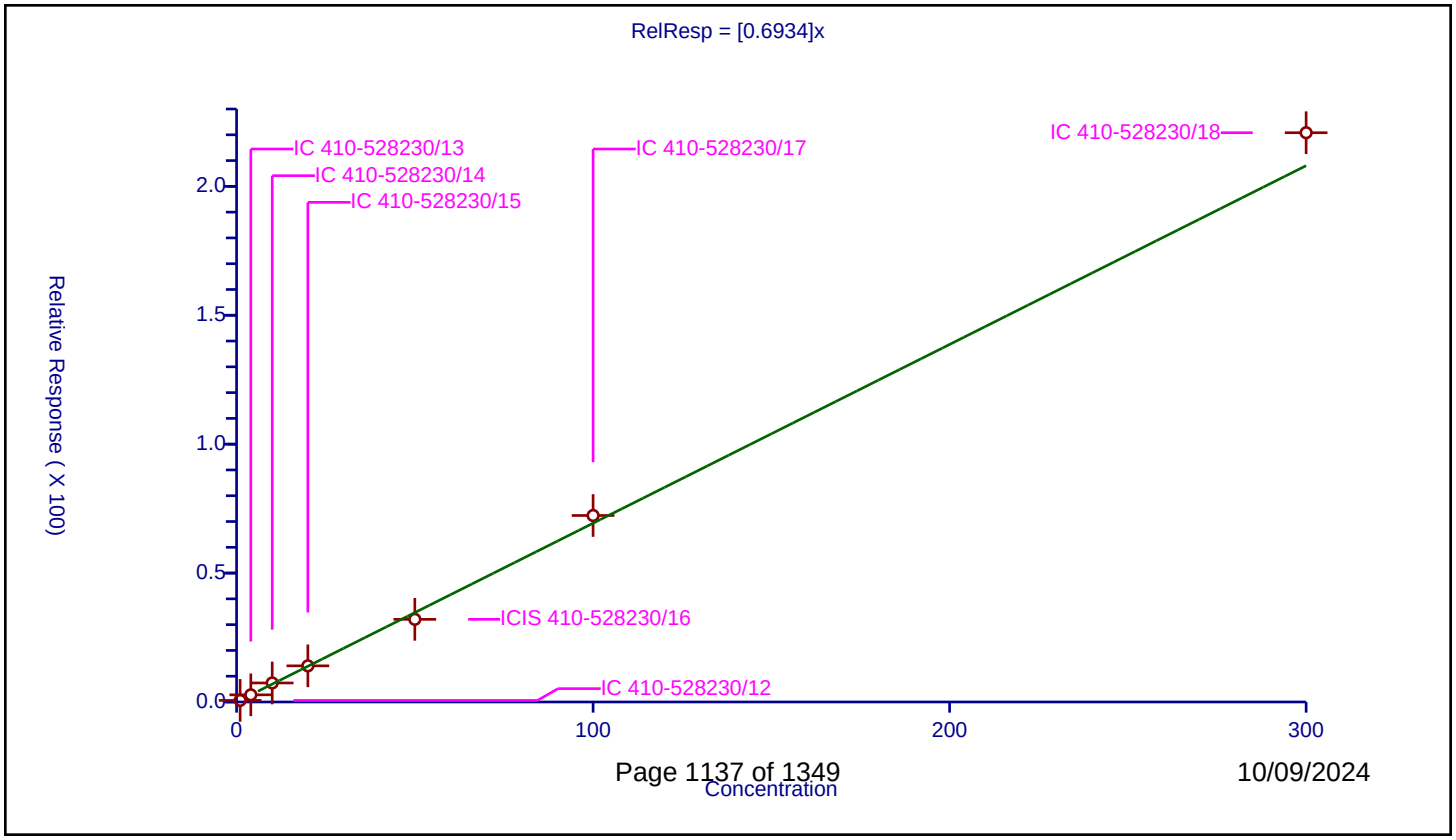
Curve Coefficients

Intercept:	0
Slope:	0.6934

Error Coefficients

Relative Standard Deviation:	6.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	1.0	0.619531	50.0	553080.0	0.619531	Y
2	IC 410-528230/13	4.0	2.780115	50.0	544366.0	0.695029	Y
3	IC 410-528230/14	10.0	7.379333	50.0	531647.0	0.737933	Y
4	IC 410-528230/15	20.0	14.016069	50.0	515519.0	0.700803	Y
5	ICIS 410-528230/16	50.0	32.063515	50.0	487038.0	0.64127	Y
6	IC 410-528230/17	100.0	72.331495	50.0	503428.0	0.723315	Y
7	IC 410-528230/18	300.0	220.805085	50.0	558736.0	0.736017	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

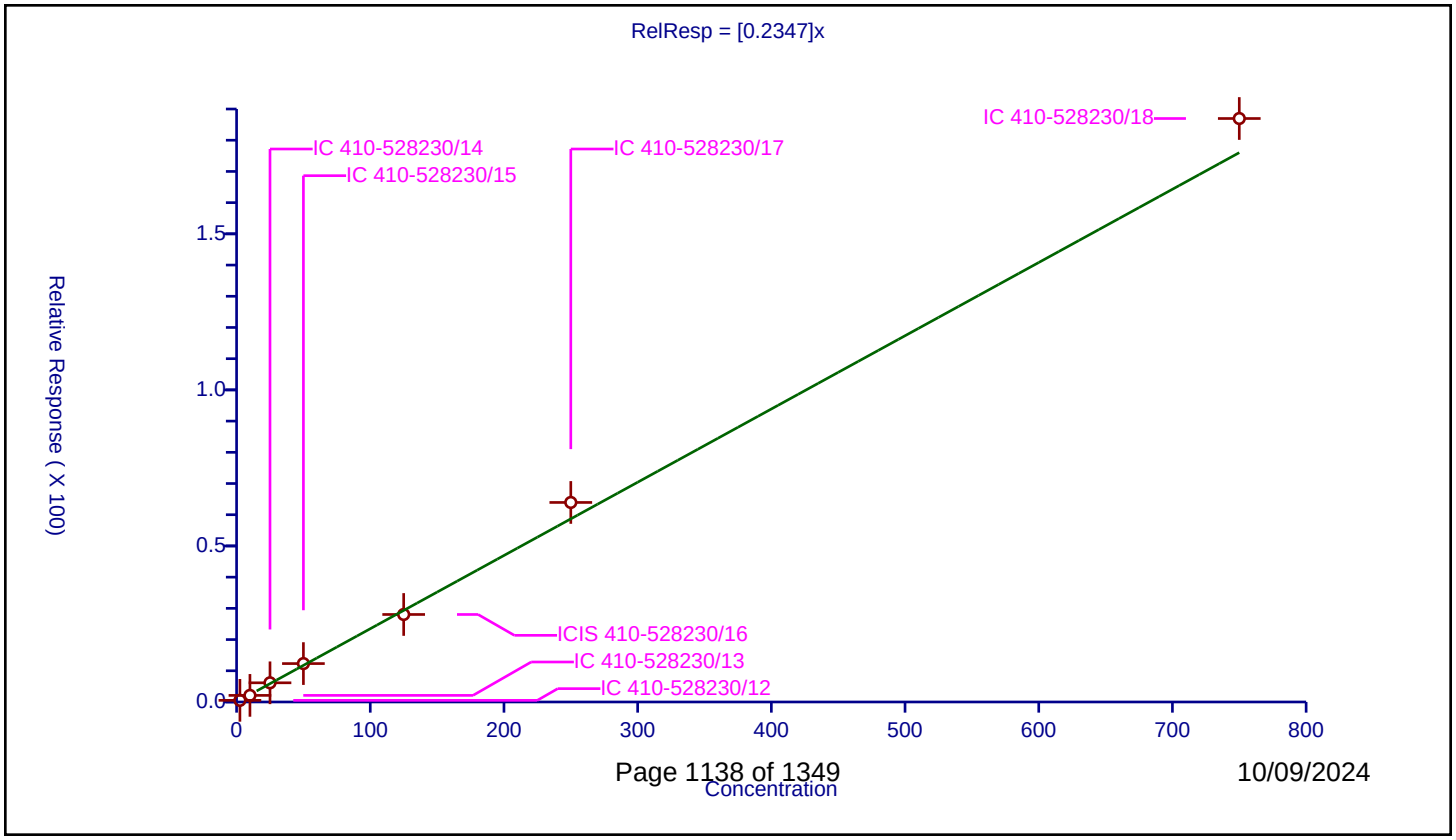
Curve Coefficients

Intercept:	0
Slope:	0.2347

Error Coefficients

Relative Standard Deviation:	8.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	2.5	0.524608	50.0	553080.0	0.209843	Y
2	IC 410-528230/13	10.0	2.117693	50.0	544366.0	0.211769	Y
3	IC 410-528230/14	25.0	6.144679	50.0	531647.0	0.245787	Y
4	IC 410-528230/15	50.0	12.304687	50.0	515519.0	0.246094	Y
5	ICIS 410-528230/16	125.0	28.037853	50.0	487038.0	0.224303	Y
6	IC 410-528230/17	250.0	63.936849	50.0	503428.0	0.255747	Y
7	IC 410-528230/18	750.0	186.961284	50.0	558736.0	0.249282	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

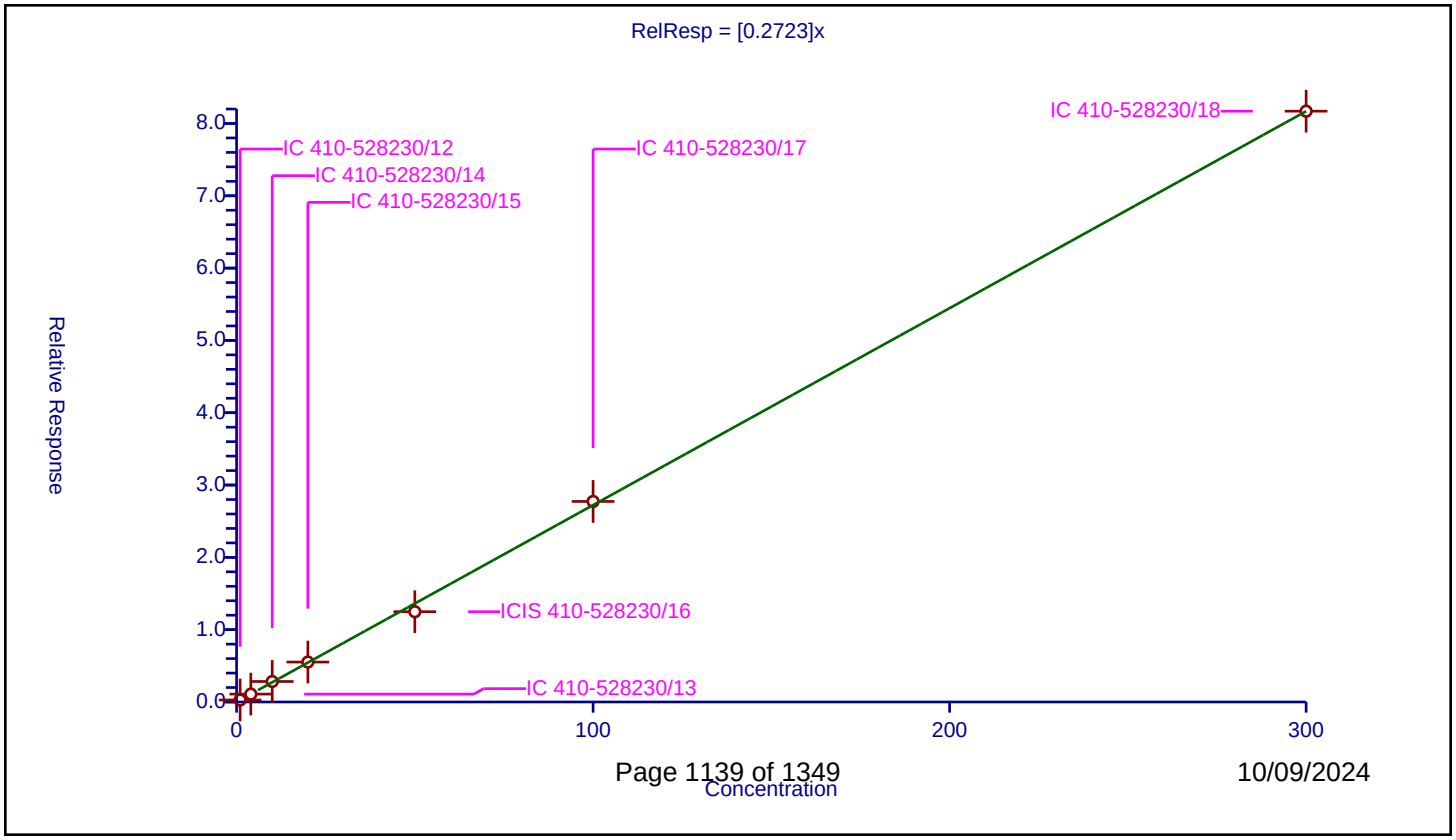
Curve Coefficients

Intercept:	0
Slope:	0.2723

Error Coefficients

Relative Standard Deviation:	3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	1.0	0.275005	50.0	553080.0	0.275005	Y
2	IC 410-528230/13	4.0	1.088698	50.0	544366.0	0.272174	Y
3	IC 410-528230/14	10.0	2.8344	50.0	531647.0	0.28344	Y
4	IC 410-528230/15	20.0	5.522687	50.0	515519.0	0.276134	Y
5	ICIS 410-528230/16	50.0	12.485371	50.0	487038.0	0.249707	Y
6	IC 410-528230/17	100.0	27.734055	50.0	503428.0	0.277341	Y
7	IC 410-528230/18	300.0	81.701018	50.0	558736.0	0.272337	Y



Calibration / N-Propylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

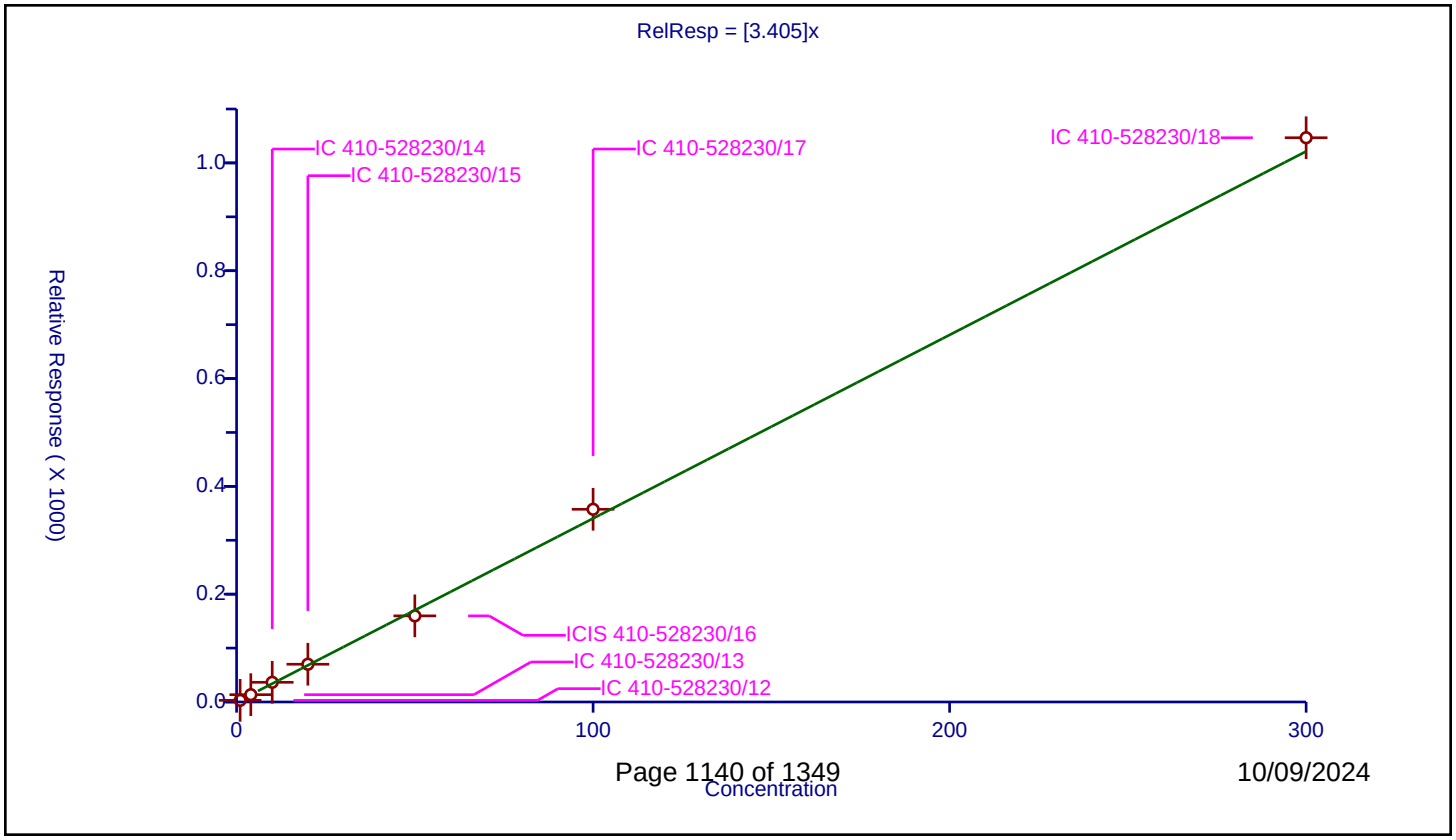
Curve Coefficients

Intercept:	0
Slope:	3.405

Error Coefficients

Relative Standard Deviation:	6.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	1.0	3.023071	50.0	553080.0	3.023071	Y
2	IC 410-528230/13	4.0	13.596092	50.0	544366.0	3.399023	Y
3	IC 410-528230/14	10.0	36.517558	50.0	531647.0	3.651756	Y
4	IC 410-528230/15	20.0	69.998681	50.0	515519.0	3.499934	Y
5	ICIS 410-528230/16	50.0	159.760327	50.0	487038.0	3.195207	Y
6	IC 410-528230/17	100.0	357.473661	50.0	503428.0	3.574737	Y
7	IC 410-528230/18	300.0	1046.699246	50.0	558736.0	3.488997	Y



Calibration / 2-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

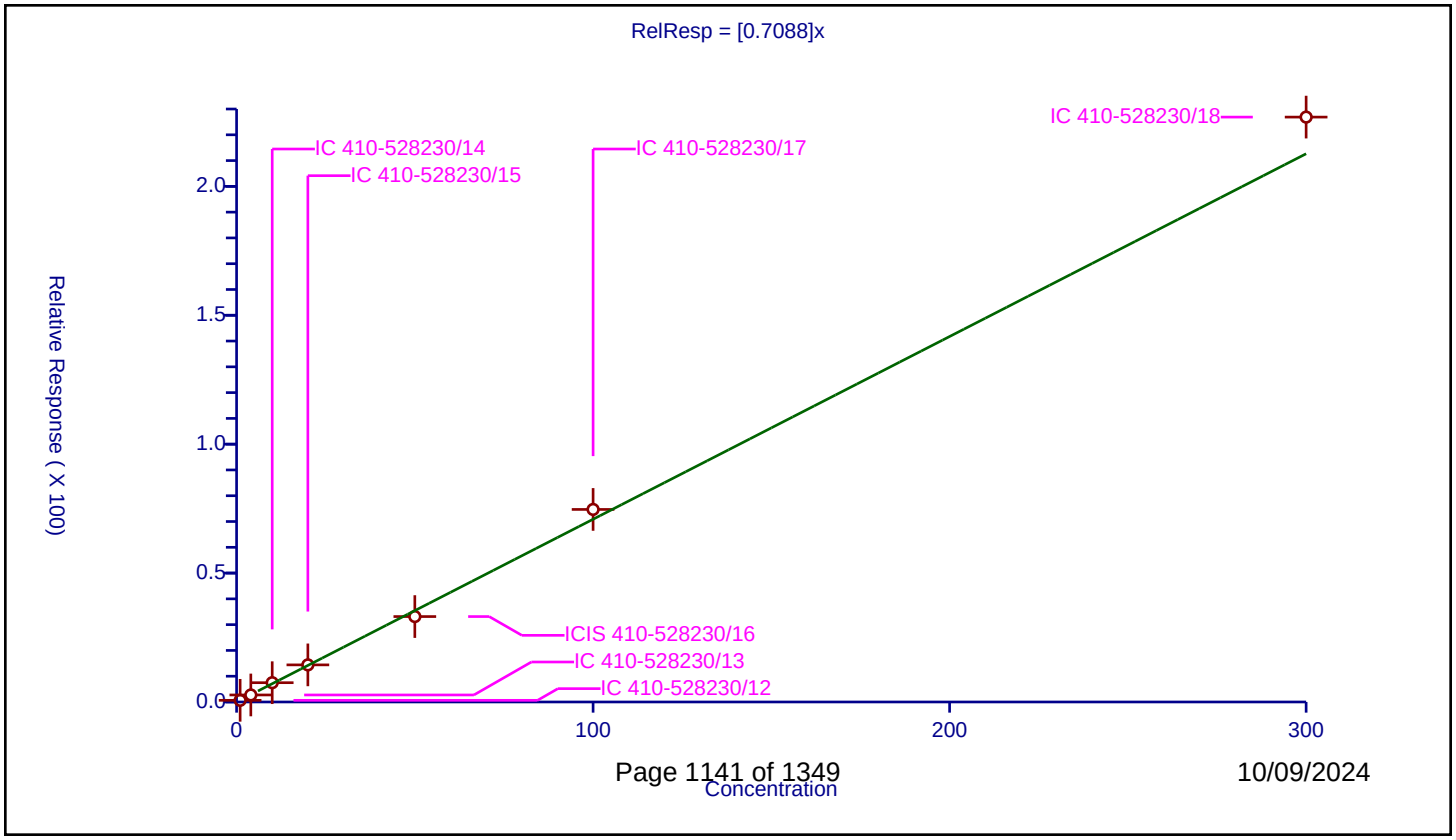
Curve Coefficients

Intercept:	0
Slope:	0.7088

Error Coefficients

Relative Standard Deviation:	6.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	1.0	0.647556	50.0	553080.0	0.647556	Y
2	IC 410-528230/13	4.0	2.721055	50.0	544366.0	0.680264	Y
3	IC 410-528230/14	10.0	7.486076	50.0	531647.0	0.748608	Y
4	IC 410-528230/15	20.0	14.390061	50.0	515519.0	0.719503	Y
5	ICIS 410-528230/16	50.0	33.134068	50.0	487038.0	0.662681	Y
6	IC 410-528230/17	100.0	74.680689	50.0	503428.0	0.746807	Y
7	IC 410-528230/18	300.0	226.863134	50.0	558736.0	0.75621	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

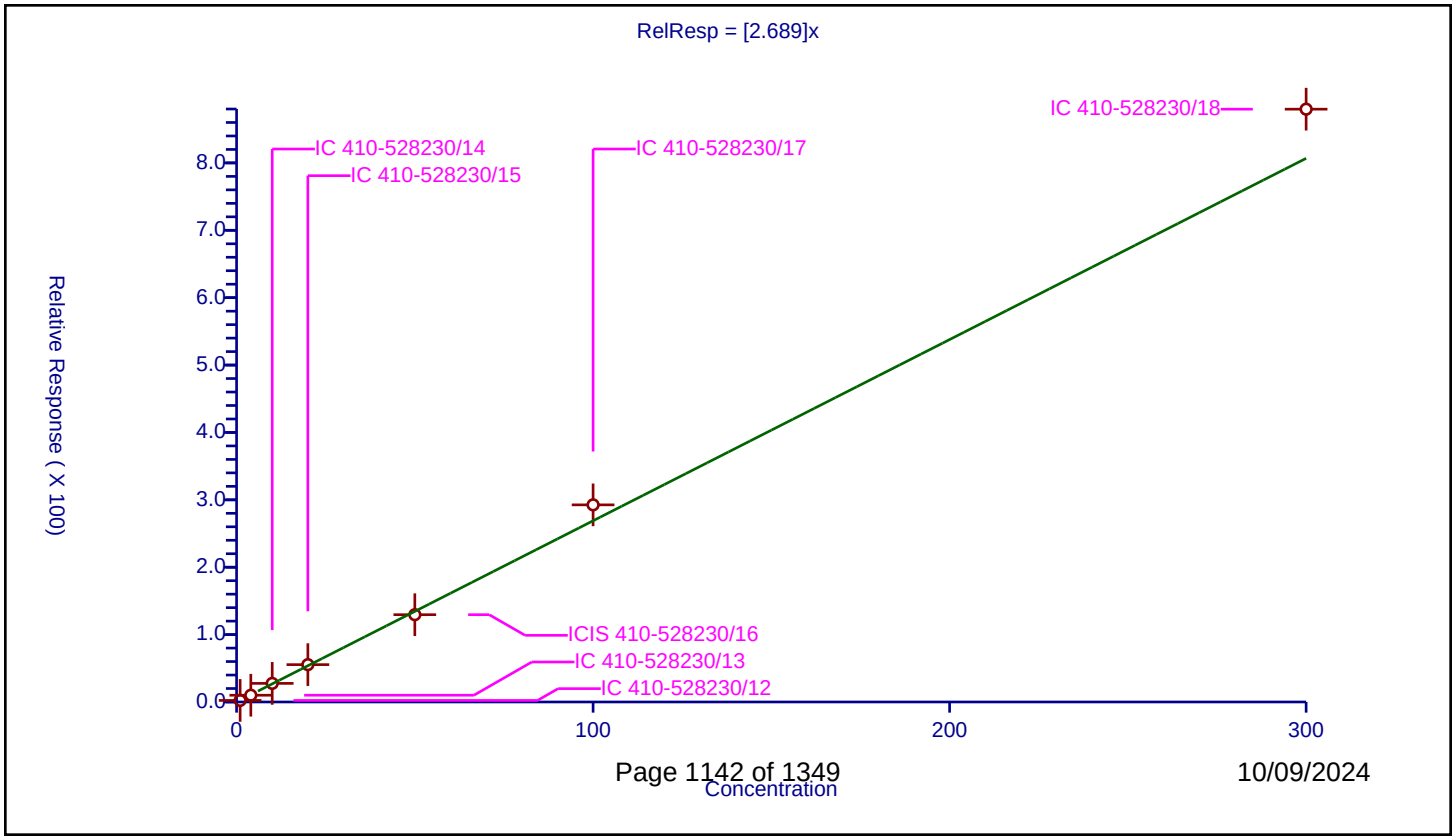
Curve Coefficients

Intercept:	0
Slope:	2.689

Error Coefficients

Relative Standard Deviation:	8.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	1.0	2.330133	50.0	553080.0	2.330133	Y
2	IC 410-528230/13	4.0	10.047009	50.0	544366.0	2.511752	Y
3	IC 410-528230/14	10.0	27.621147	50.0	531647.0	2.762115	Y
4	IC 410-528230/15	20.0	55.434814	50.0	515519.0	2.771741	Y
5	ICIS 410-528230/16	50.0	129.536607	50.0	487038.0	2.590732	Y
6	IC 410-528230/17	100.0	292.566166	50.0	503428.0	2.925662	Y
7	IC 410-528230/18	300.0	879.769515	50.0	558736.0	2.932565	Y



Calibration / 4-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

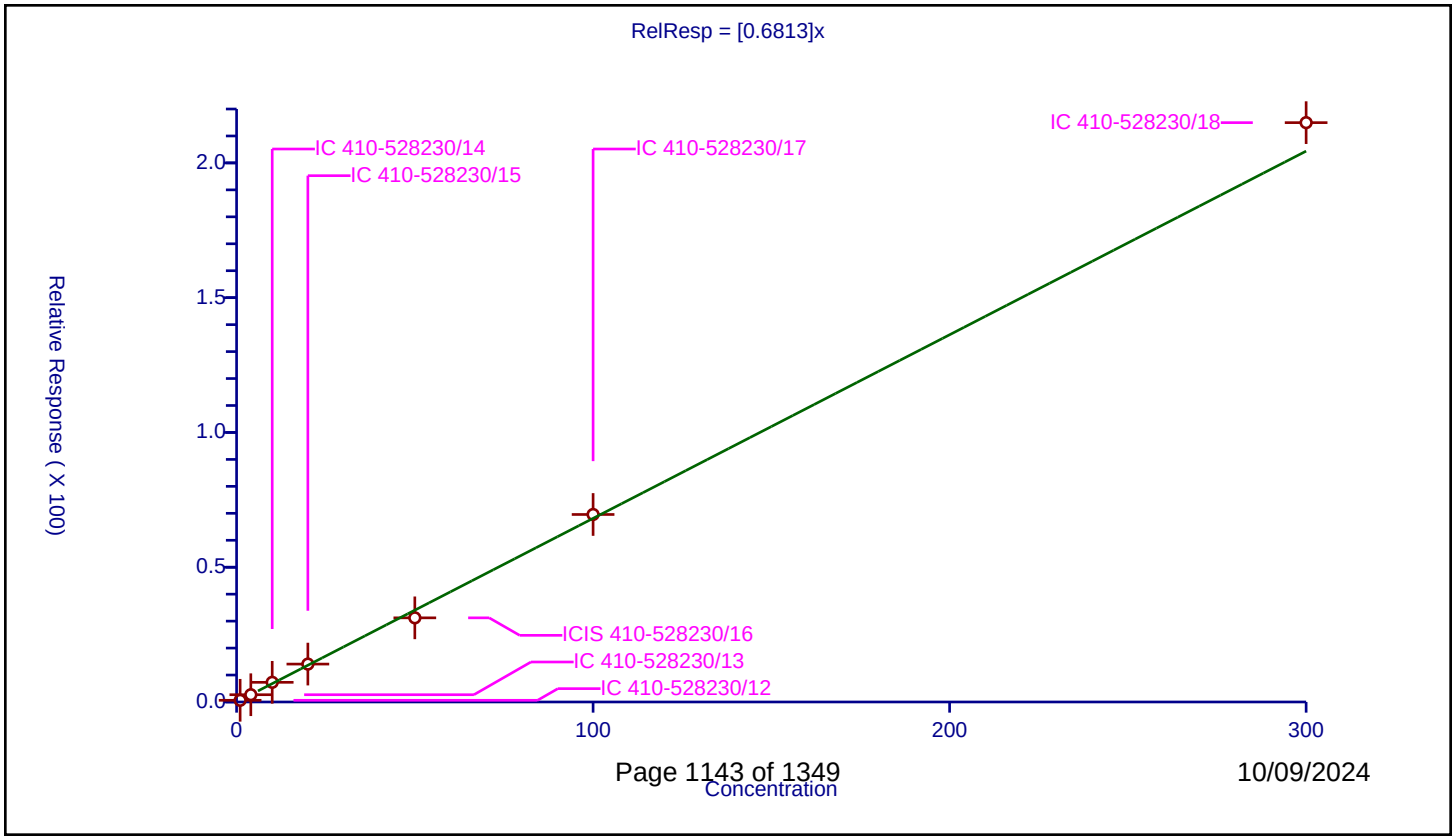
Curve Coefficients

Intercept:	0
Slope:	0.6813

Error Coefficients

Relative Standard Deviation:	6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	1.0	0.62604	50.0	553080.0	0.62604	Y
2	IC 410-528230/13	4.0	2.694511	50.0	544366.0	0.673628	Y
3	IC 410-528230/14	10.0	7.295348	50.0	531647.0	0.729535	Y
4	IC 410-528230/15	20.0	14.059715	50.0	515519.0	0.702986	Y
5	ICIS 410-528230/16	50.0	31.220972	50.0	487038.0	0.624419	Y
6	IC 410-528230/17	100.0	69.568339	50.0	503428.0	0.695683	Y
7	IC 410-528230/18	300.0	214.946862	50.0	558736.0	0.71649	Y



Calibration / tert-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

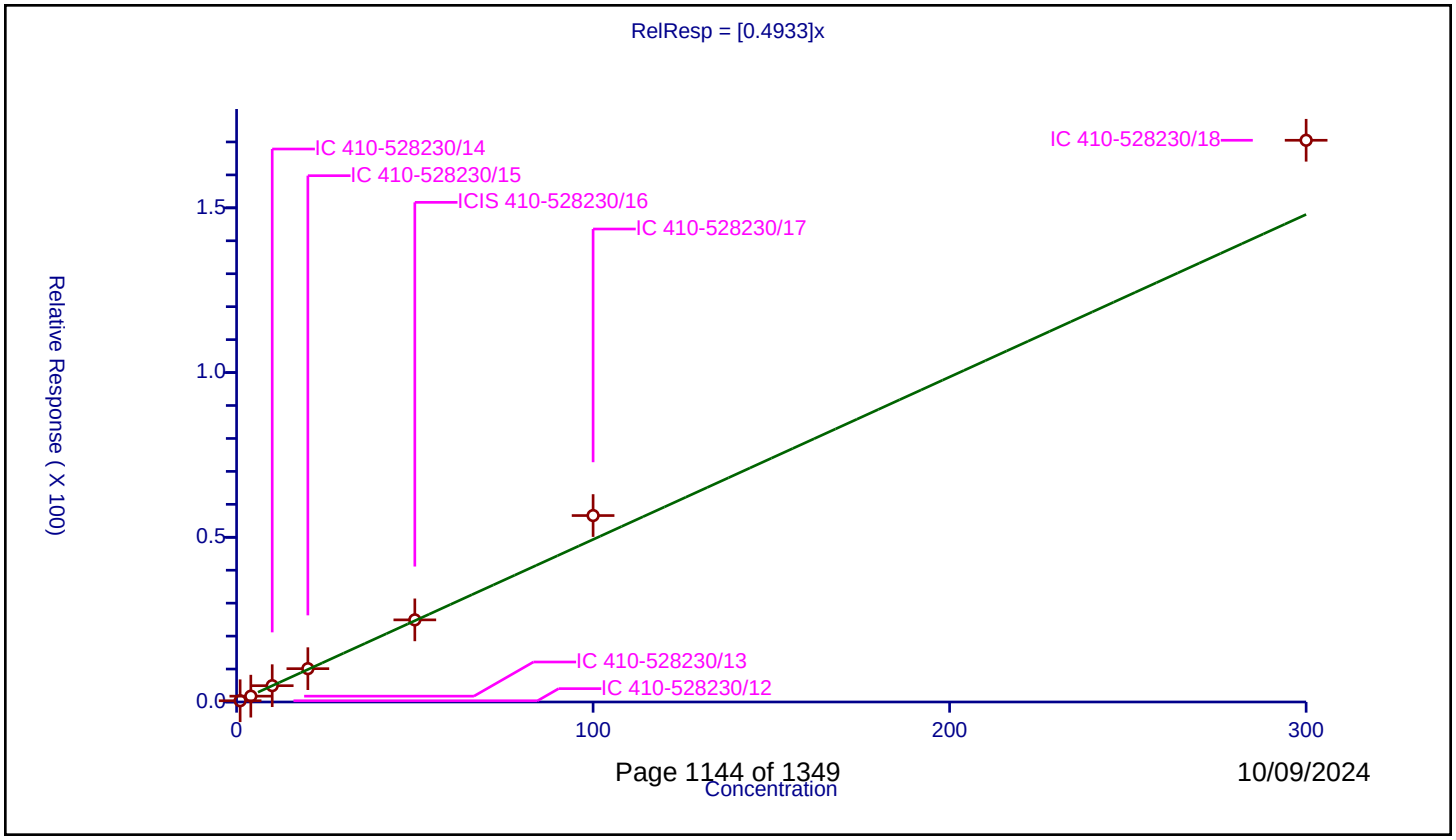
Curve Coefficients

Intercept:	0
Slope:	0.4933

Error Coefficients

Relative Standard Deviation:	13.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	1.0	0.376618	50.0	553080.0	0.376618	Y
2	IC 410-528230/13	4.0	1.771051	50.0	544366.0	0.442763	Y
3	IC 410-528230/14	10.0	4.952346	50.0	531647.0	0.495235	Y
4	IC 410-528230/15	20.0	10.114855	50.0	515519.0	0.505743	Y
5	ICIS 410-528230/16	50.0	24.924031	50.0	487038.0	0.498481	Y
6	IC 410-528230/17	100.0	56.591211	50.0	503428.0	0.565912	Y
7	IC 410-528230/18	300.0	170.51425	50.0	558736.0	0.568381	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

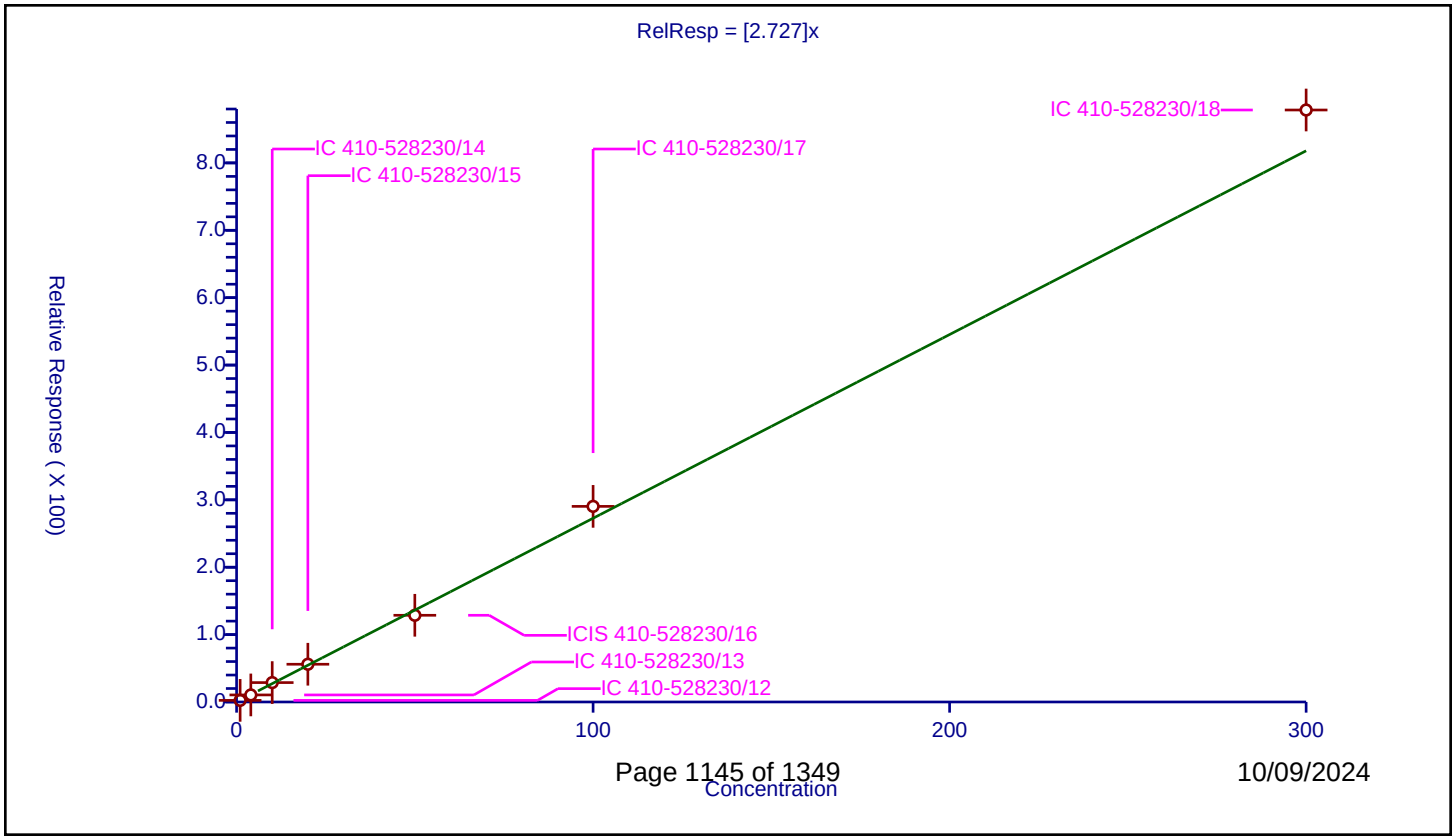
Curve Coefficients

Intercept:	0
Slope:	2.727

Error Coefficients

Relative Standard Deviation:	7.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	1.0	2.387177	50.0	553080.0	2.387177	Y
2	IC 410-528230/13	4.0	10.459323	50.0	544366.0	2.614831	Y
3	IC 410-528230/14	10.0	28.772381	50.0	531647.0	2.877238	Y
4	IC 410-528230/15	20.0	56.032755	50.0	515519.0	2.801638	Y
5	ICIS 410-528230/16	50.0	128.695194	50.0	487038.0	2.573904	Y
6	IC 410-528230/17	100.0	290.307353	50.0	503428.0	2.903074	Y
7	IC 410-528230/18	300.0	878.529126	50.0	558736.0	2.92843	Y



Calibration / sec-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

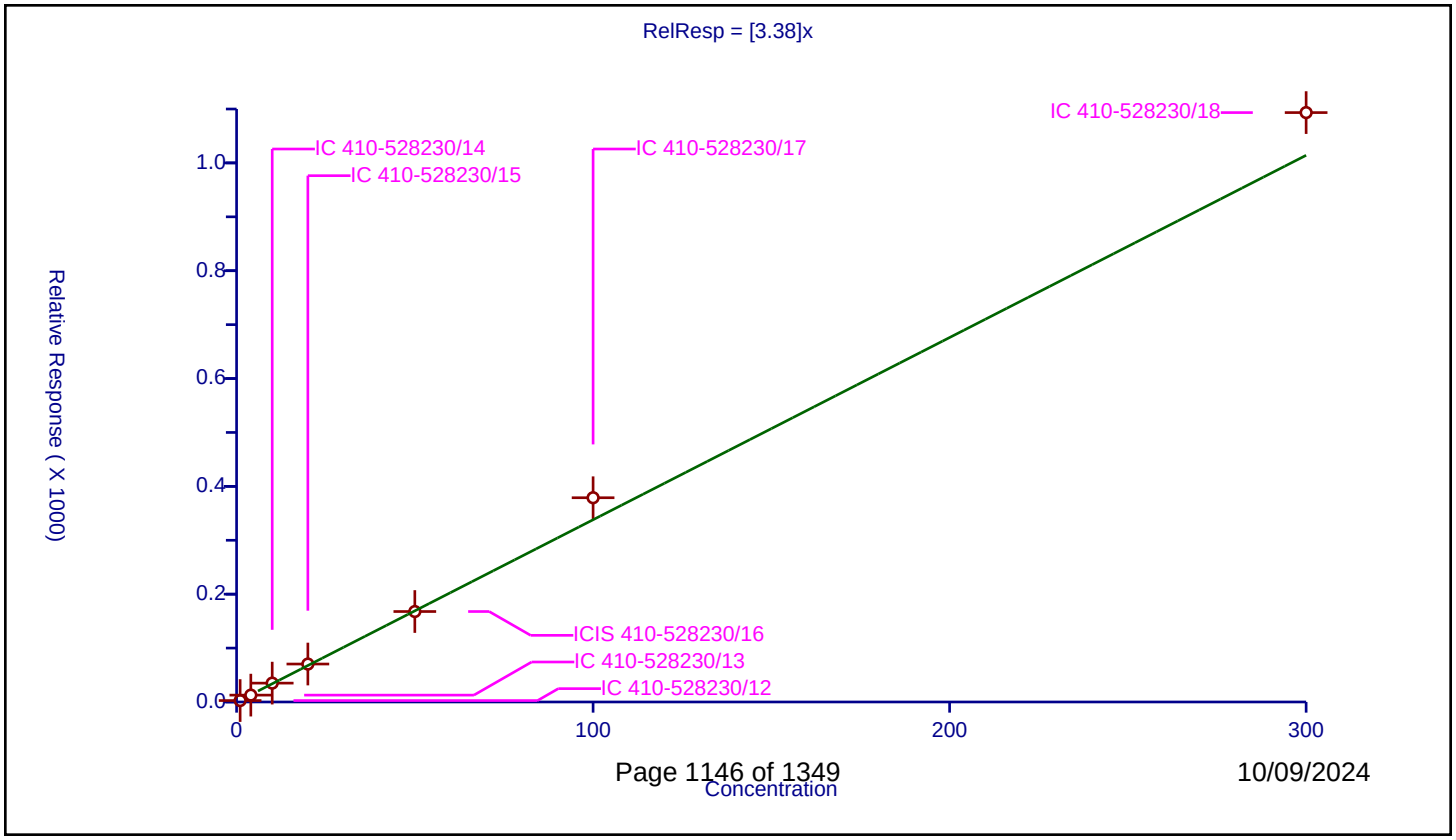
Curve Coefficients

Intercept:	0
Slope:	3.38

Error Coefficients

Relative Standard Deviation:	10.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	1.0	2.667697	50.0	553080.0	2.667697	Y
2	IC 410-528230/13	4.0	12.751531	50.0	544366.0	3.187883	Y
3	IC 410-528230/14	10.0	34.982517	50.0	531647.0	3.498252	Y
4	IC 410-528230/15	20.0	70.393041	50.0	515519.0	3.519652	Y
5	ICIS 410-528230/16	50.0	167.802102	50.0	487038.0	3.356042	Y
6	IC 410-528230/17	100.0	378.899763	50.0	503428.0	3.788998	Y
7	IC 410-528230/18	300.0	1093.375494	50.0	558736.0	3.644585	Y



Calibration / 1,3-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

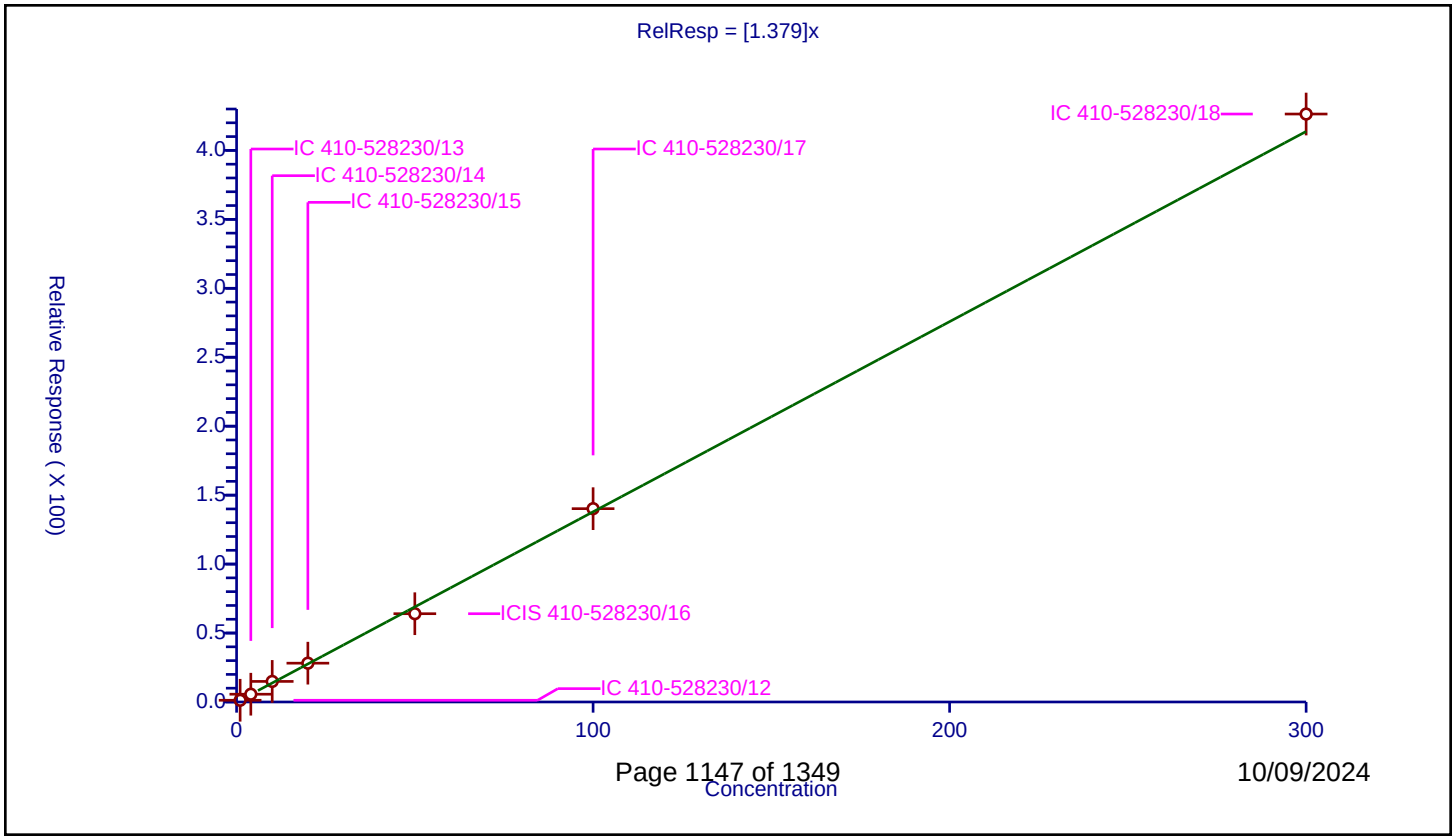
Curve Coefficients

Intercept:	0
Slope:	1.379

Error Coefficients

Relative Standard Deviation:	6.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	1.0	1.240146	50.0	553080.0	1.240146	Y
2	IC 410-528230/13	4.0	5.645007	50.0	544366.0	1.411252	Y
3	IC 410-528230/14	10.0	14.912903	50.0	531647.0	1.49129	Y
4	IC 410-528230/15	20.0	28.145616	50.0	515519.0	1.407281	Y
5	ICIS 410-528230/16	50.0	64.021801	50.0	487038.0	1.280436	Y
6	IC 410-528230/17	100.0	140.181416	50.0	503428.0	1.401814	Y
7	IC 410-528230/18	300.0	426.370862	50.0	558736.0	1.421236	Y



Calibration / 4-Isopropyltoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

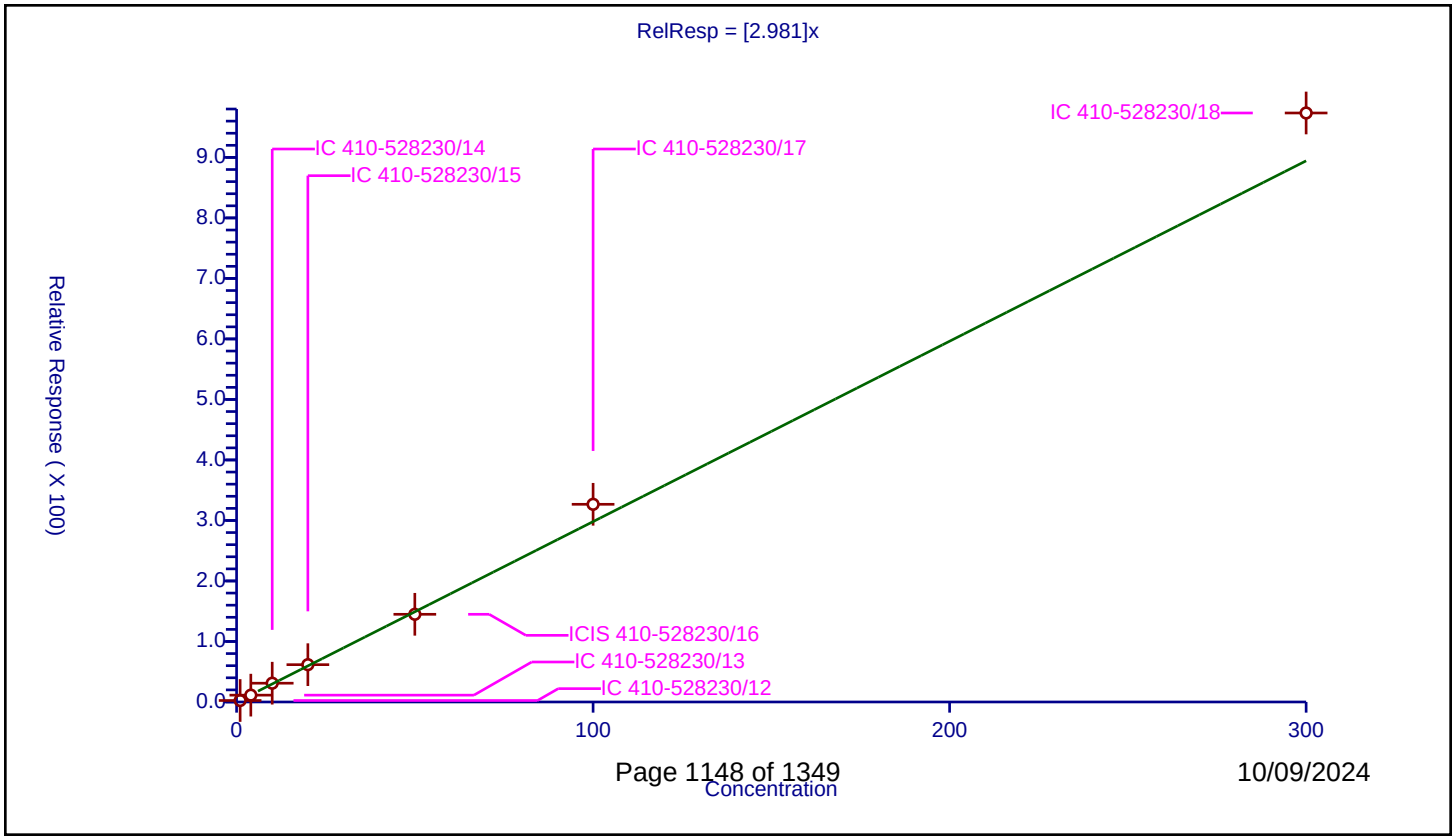
Curve Coefficients

Intercept:	0
Slope:	2.981

Error Coefficients

Relative Standard Deviation:	9.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	1.0	2.445487	50.0	553080.0	2.445487	Y
2	IC 410-528230/13	4.0	11.301128	50.0	544366.0	2.825282	Y
3	IC 410-528230/14	10.0	31.042966	50.0	531647.0	3.104297	Y
4	IC 410-528230/15	20.0	61.660773	50.0	515519.0	3.083039	Y
5	ICIS 410-528230/16	50.0	144.93674	50.0	487038.0	2.898735	Y
6	IC 410-528230/17	100.0	326.706202	50.0	503428.0	3.267062	Y
7	IC 410-528230/18	300.0	973.442288	50.0	558736.0	3.244808	Y



Calibration / 1,4-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

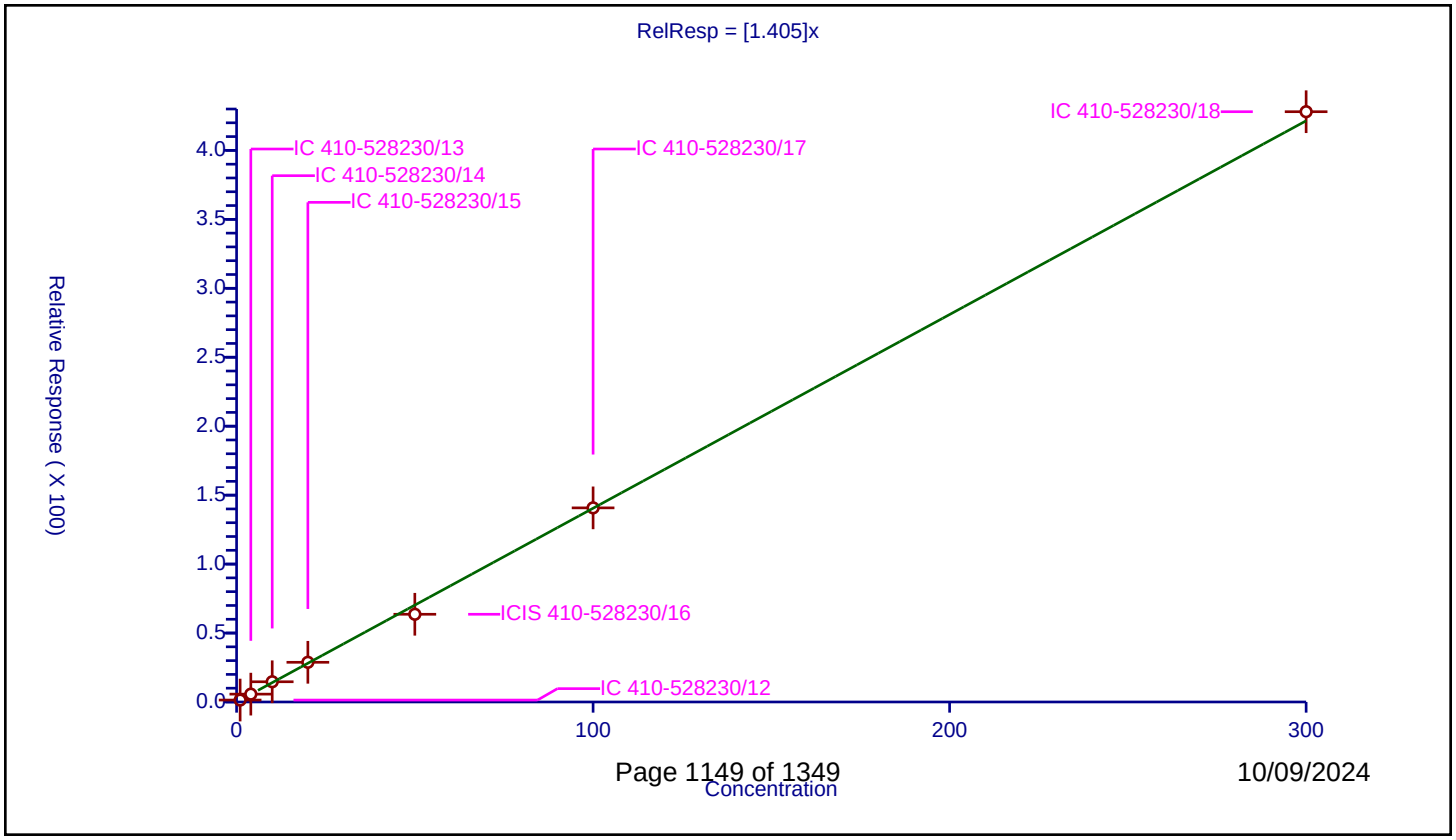
Curve Coefficients

Intercept:	0
Slope:	1.405

Error Coefficients

Relative Standard Deviation:	4.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	1.0	1.39591	50.0	553080.0	1.39591	Y
2	IC 410-528230/13	4.0	5.699934	50.0	544366.0	1.424983	Y
3	IC 410-528230/14	10.0	14.672612	50.0	531647.0	1.467261	Y
4	IC 410-528230/15	20.0	28.780414	50.0	515519.0	1.439021	Y
5	ICIS 410-528230/16	50.0	63.618137	50.0	487038.0	1.272363	Y
6	IC 410-528230/17	100.0	140.769286	50.0	503428.0	1.407693	Y
7	IC 410-528230/18	300.0	428.039092	50.0	558736.0	1.426797	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

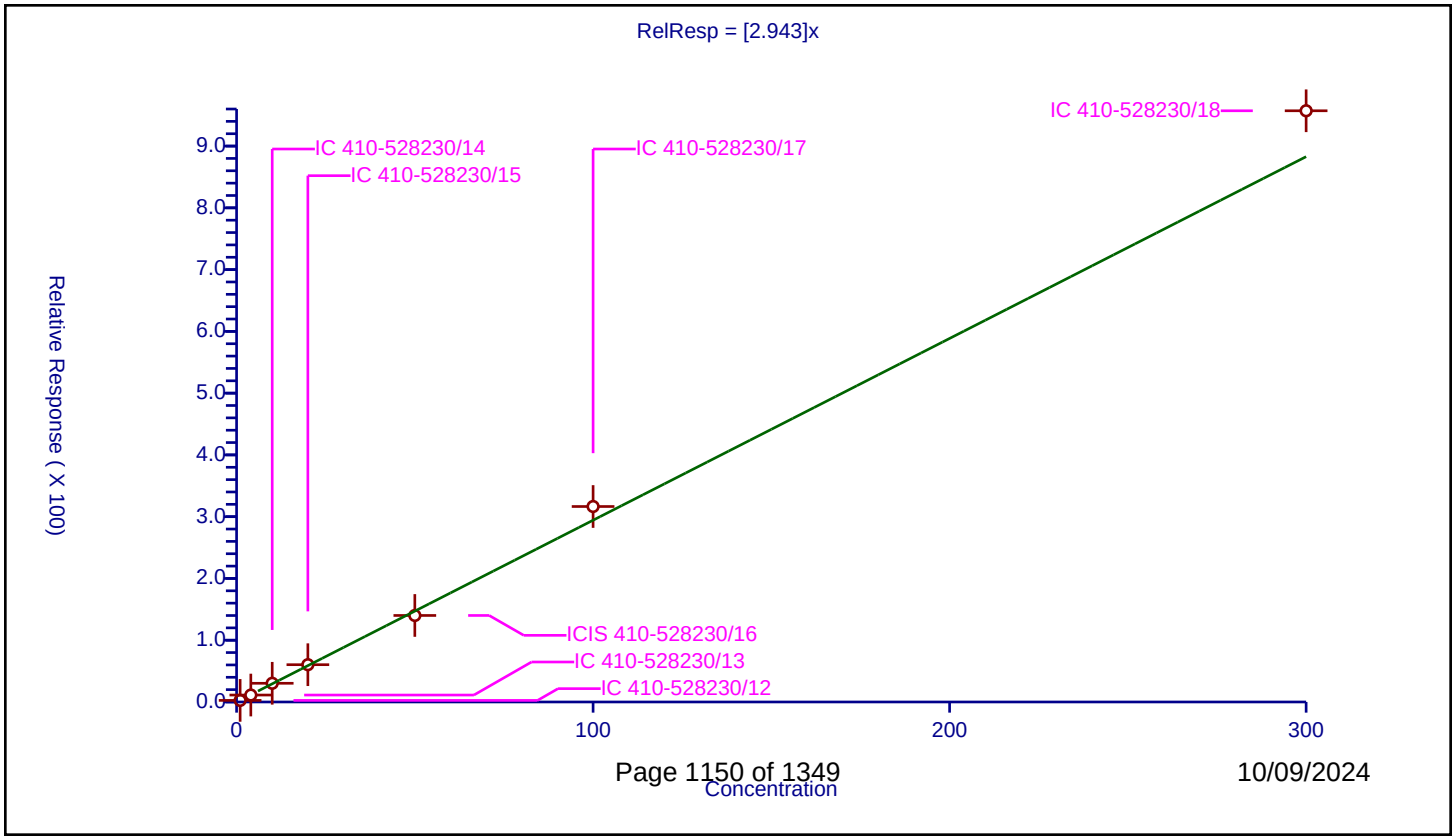
Curve Coefficients

Intercept:	0
Slope:	2.943

Error Coefficients

Relative Standard Deviation:	7.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	1.0	2.588866	50.0	553080.0	2.588866	Y
2	IC 410-528230/13	4.0	11.226638	50.0	544366.0	2.806659	Y
3	IC 410-528230/14	10.0	30.279772	50.0	531647.0	3.027977	Y
4	IC 410-528230/15	20.0	60.383322	50.0	515519.0	3.019166	Y
5	ICIS 410-528230/16	50.0	140.06289	50.0	487038.0	2.801258	Y
6	IC 410-528230/17	100.0	316.488058	50.0	503428.0	3.164881	Y
7	IC 410-528230/18	300.0	957.16698	50.0	558736.0	3.190557	Y



Calibration / Benzyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

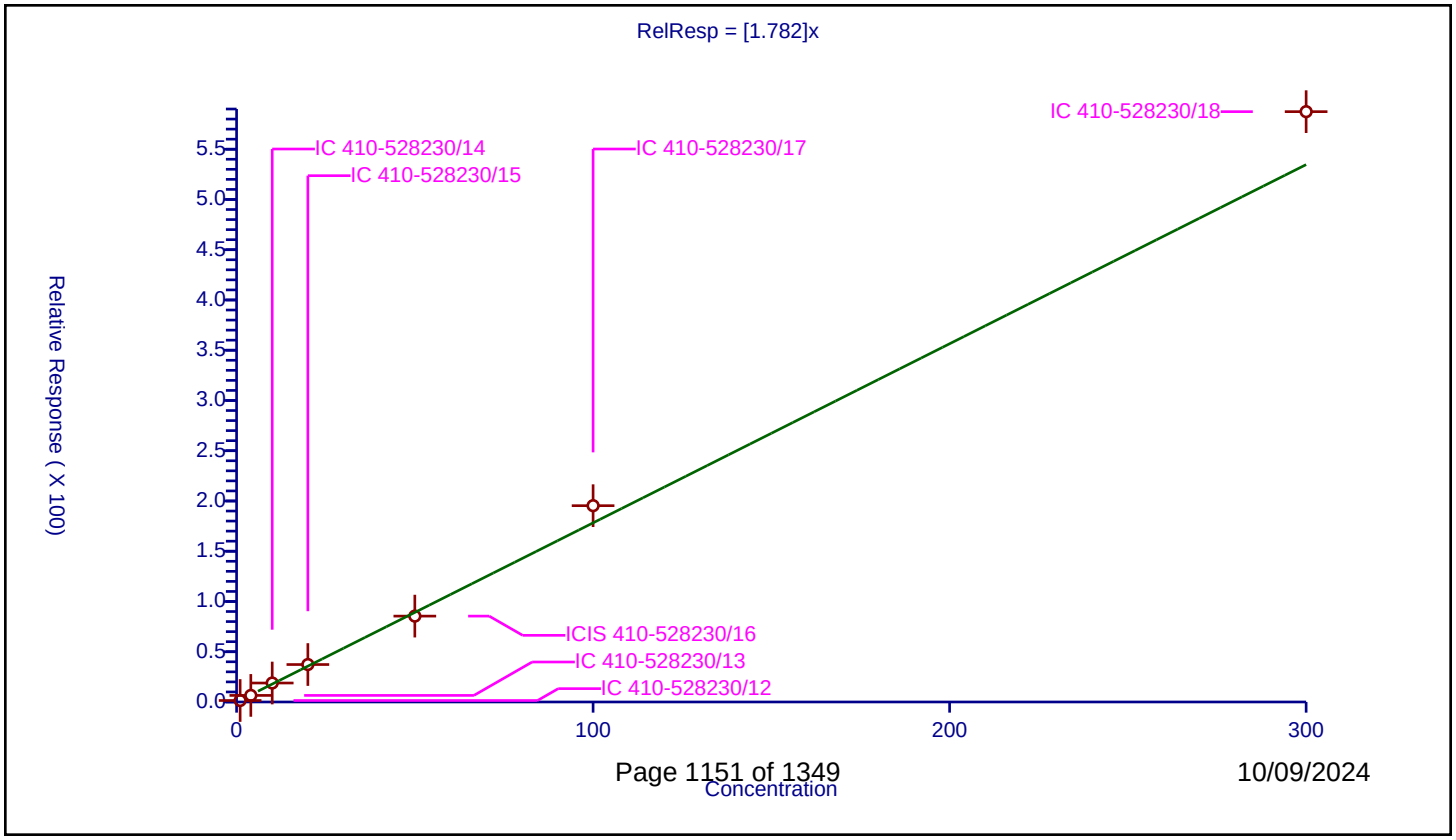
Curve Coefficients

Intercept:	0
Slope:	1.782

Error Coefficients

Relative Standard Deviation:	10.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	1.0	1.468956	50.0	553080.0	1.468956	Y
2	IC 410-528230/13	4.0	6.536687	50.0	544366.0	1.634172	Y
3	IC 410-528230/14	10.0	18.887909	50.0	531647.0	1.888791	Y
4	IC 410-528230/15	20.0	37.274863	50.0	515519.0	1.863743	Y
5	ICIS 410-528230/16	50.0	85.447131	50.0	487038.0	1.708943	Y
6	IC 410-528230/17	100.0	195.32376	50.0	503428.0	1.953238	Y
7	IC 410-528230/18	300.0	587.383755	50.0	558736.0	1.957946	Y



Calibration / 1,3-Diethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

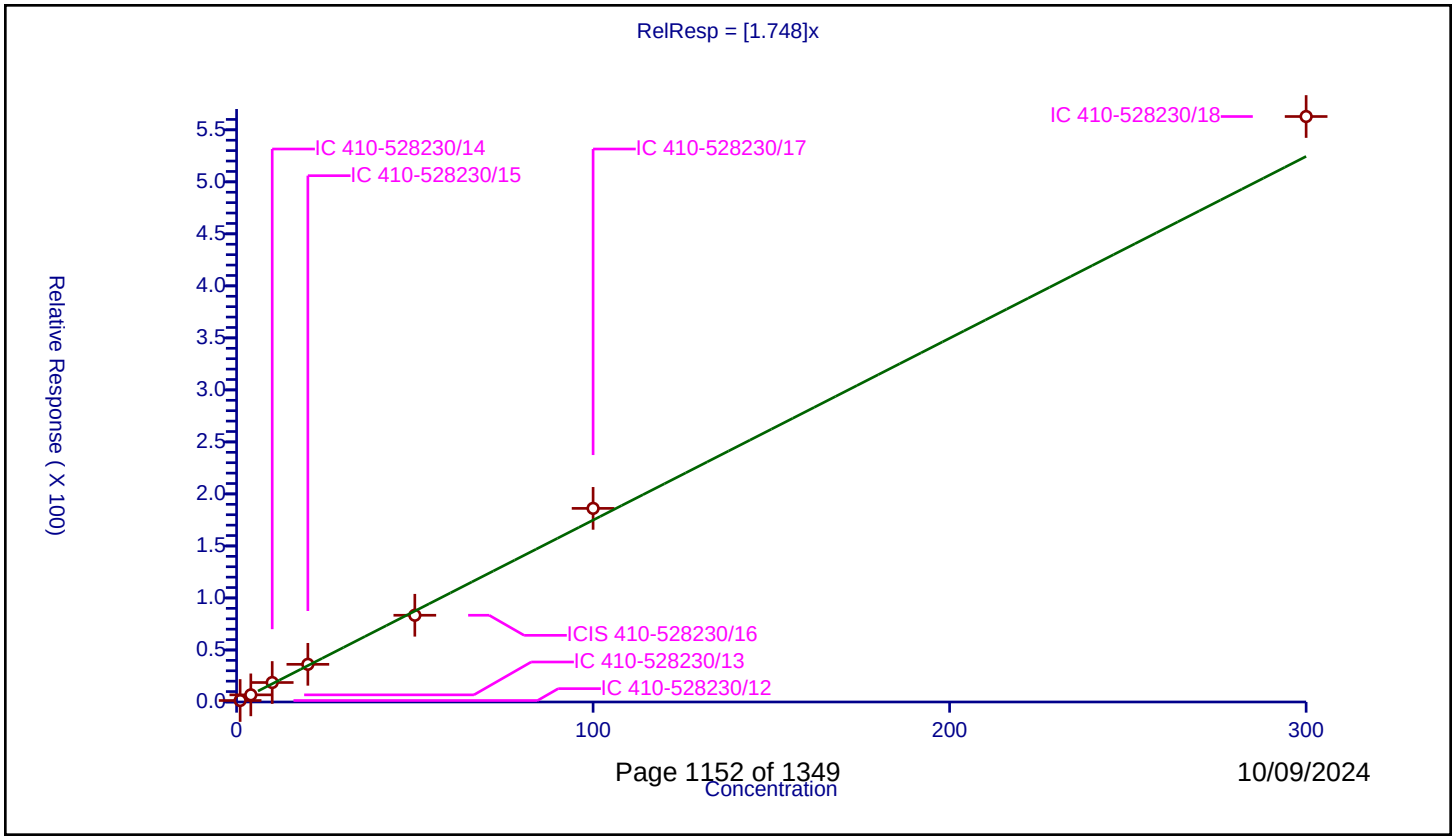
Curve Coefficients

Intercept:	0
Slope:	1.748

Error Coefficients

Relative Standard Deviation:	9.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	1.0	1.431077	50.0	553080.0	1.431077	Y
2	IC 410-528230/13	4.0	6.869275	50.0	544366.0	1.717319	Y
3	IC 410-528230/14	10.0	18.732637	50.0	531647.0	1.873264	Y
4	IC 410-528230/15	20.0	36.216415	50.0	515519.0	1.810821	Y
5	ICIS 410-528230/16	50.0	83.360436	50.0	487038.0	1.667209	Y
6	IC 410-528230/17	100.0	186.12026	50.0	503428.0	1.861203	Y
7	IC 410-528230/18	300.0	562.80748	50.0	558736.0	1.876025	Y



Calibration / p-Diethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

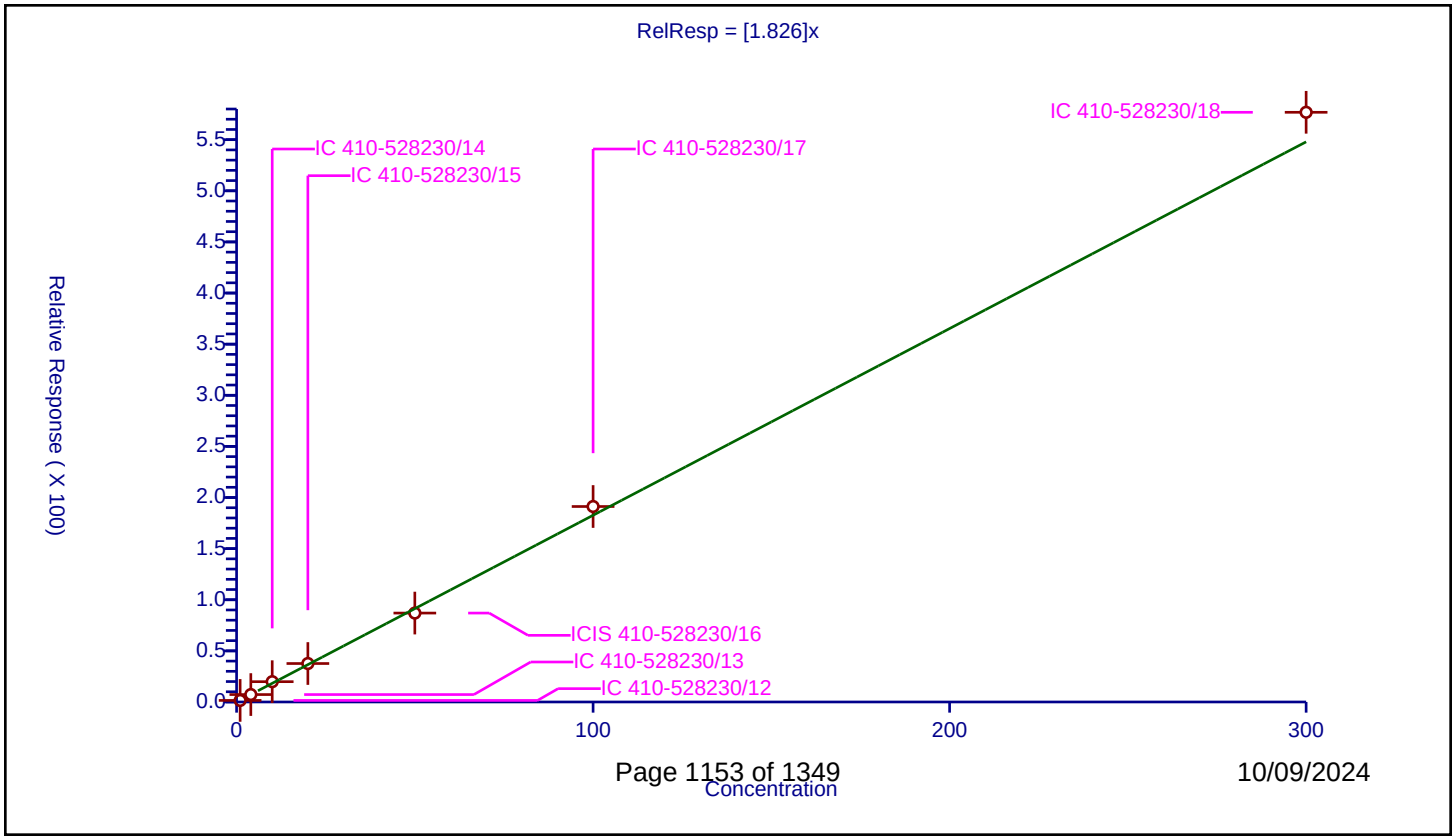
Curve Coefficients

Intercept:	0
Slope:	1.826

Error Coefficients

Relative Standard Deviation:	8.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	1.0	1.522836	50.0	553080.0	1.522836	Y
2	IC 410-528230/13	4.0	7.275252	50.0	544366.0	1.818813	Y
3	IC 410-528230/14	10.0	19.868823	50.0	531647.0	1.986882	Y
4	IC 410-528230/15	20.0	37.633627	50.0	515519.0	1.881681	Y
5	ICIS 410-528230/16	50.0	86.979455	50.0	487038.0	1.739589	Y
6	IC 410-528230/17	100.0	191.199536	50.0	503428.0	1.911995	Y
7	IC 410-528230/18	300.0	576.784564	50.0	558736.0	1.922615	Y



Calibration / n-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

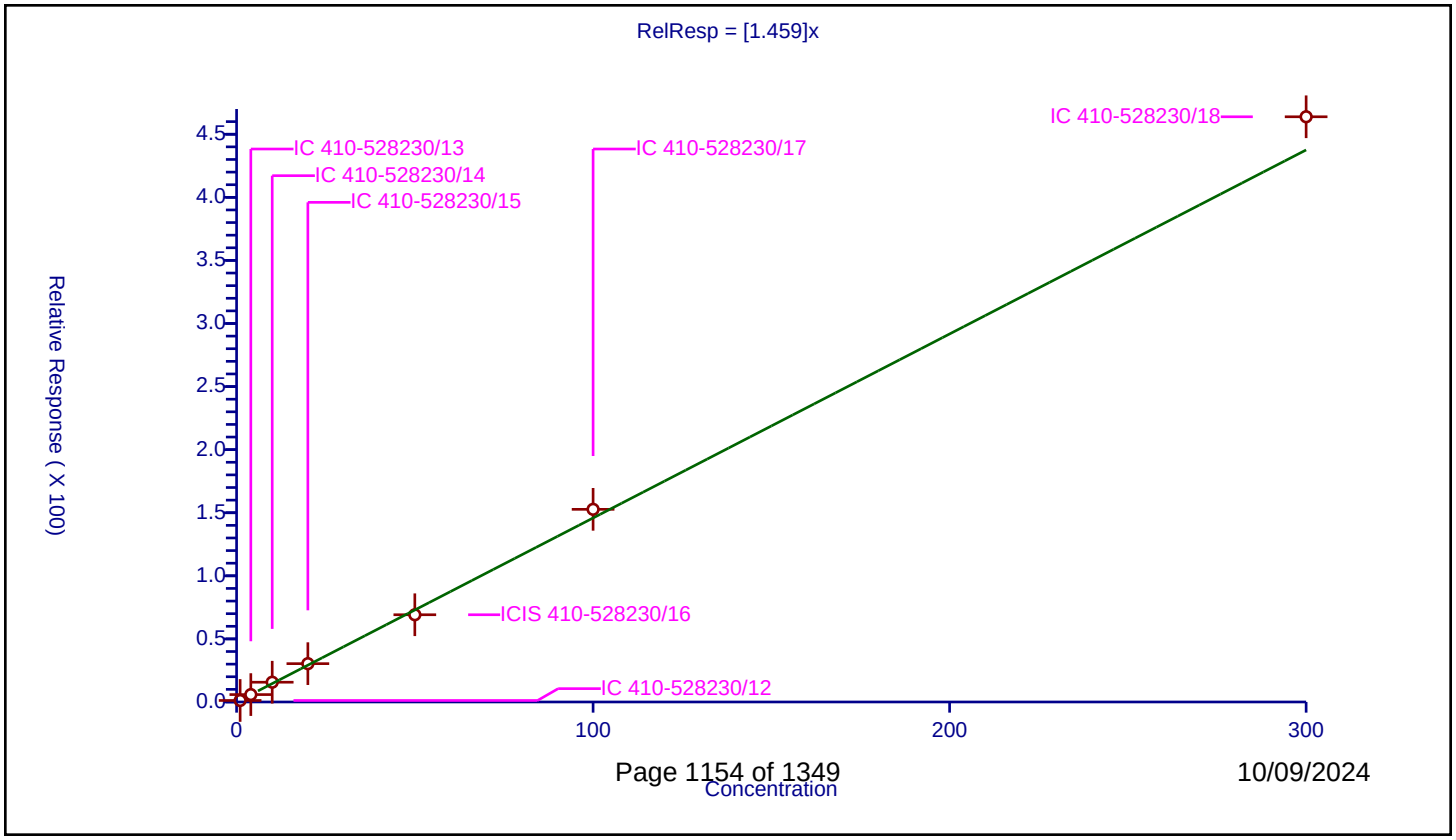
Curve Coefficients

Intercept:	0
Slope:	1.459

Error Coefficients

Relative Standard Deviation:	8.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	1.0	1.198561	50.0	553080.0	1.198561	Y
2	IC 410-528230/13	4.0	5.871326	50.0	544366.0	1.467831	Y
3	IC 410-528230/14	10.0	15.679765	50.0	531647.0	1.567976	Y
4	IC 410-528230/15	20.0	30.382391	50.0	515519.0	1.51912	Y
5	ICIS 410-528230/16	50.0	69.143886	50.0	487038.0	1.382878	Y
6	IC 410-528230/17	100.0	152.708034	50.0	503428.0	1.52708	Y
7	IC 410-528230/18	300.0	463.858602	50.0	558736.0	1.546195	Y



Calibration / 1,2-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

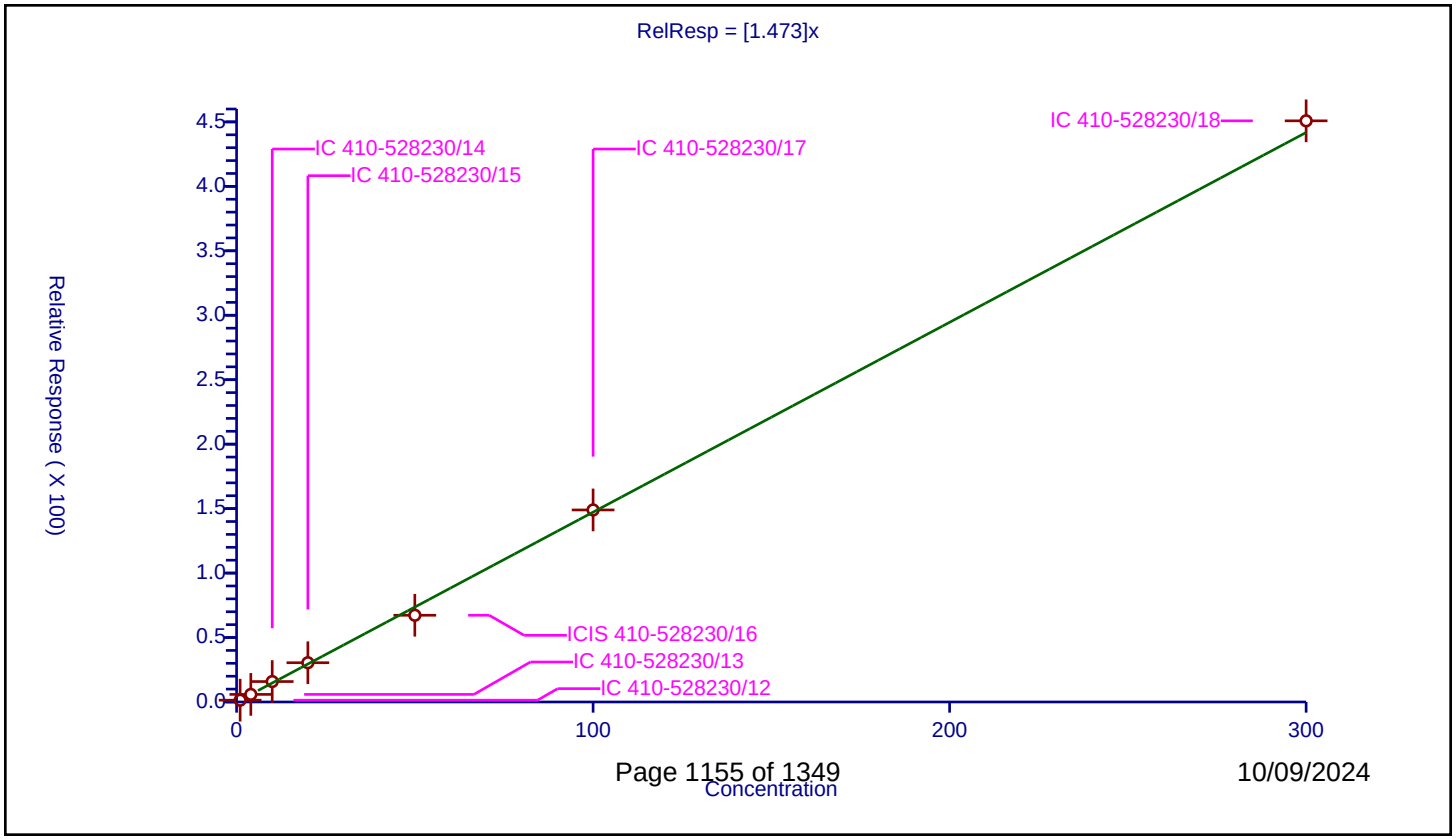
Curve Coefficients

Intercept:	0
Slope:	1.473

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	1.0	1.392204	50.0	553080.0	1.392204	Y
2	IC 410-528230/13	4.0	5.877296	50.0	544366.0	1.469324	Y
3	IC 410-528230/14	10.0	15.8609	50.0	531647.0	1.58609	Y
4	IC 410-528230/15	20.0	30.460468	50.0	515519.0	1.523023	Y
5	ICIS 410-528230/16	50.0	67.279247	50.0	487038.0	1.345585	Y
6	IC 410-528230/17	100.0	148.974531	50.0	503428.0	1.489745	Y
7	IC 410-528230/18	300.0	450.826866	50.0	558736.0	1.502756	Y



Calibration / o-diethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

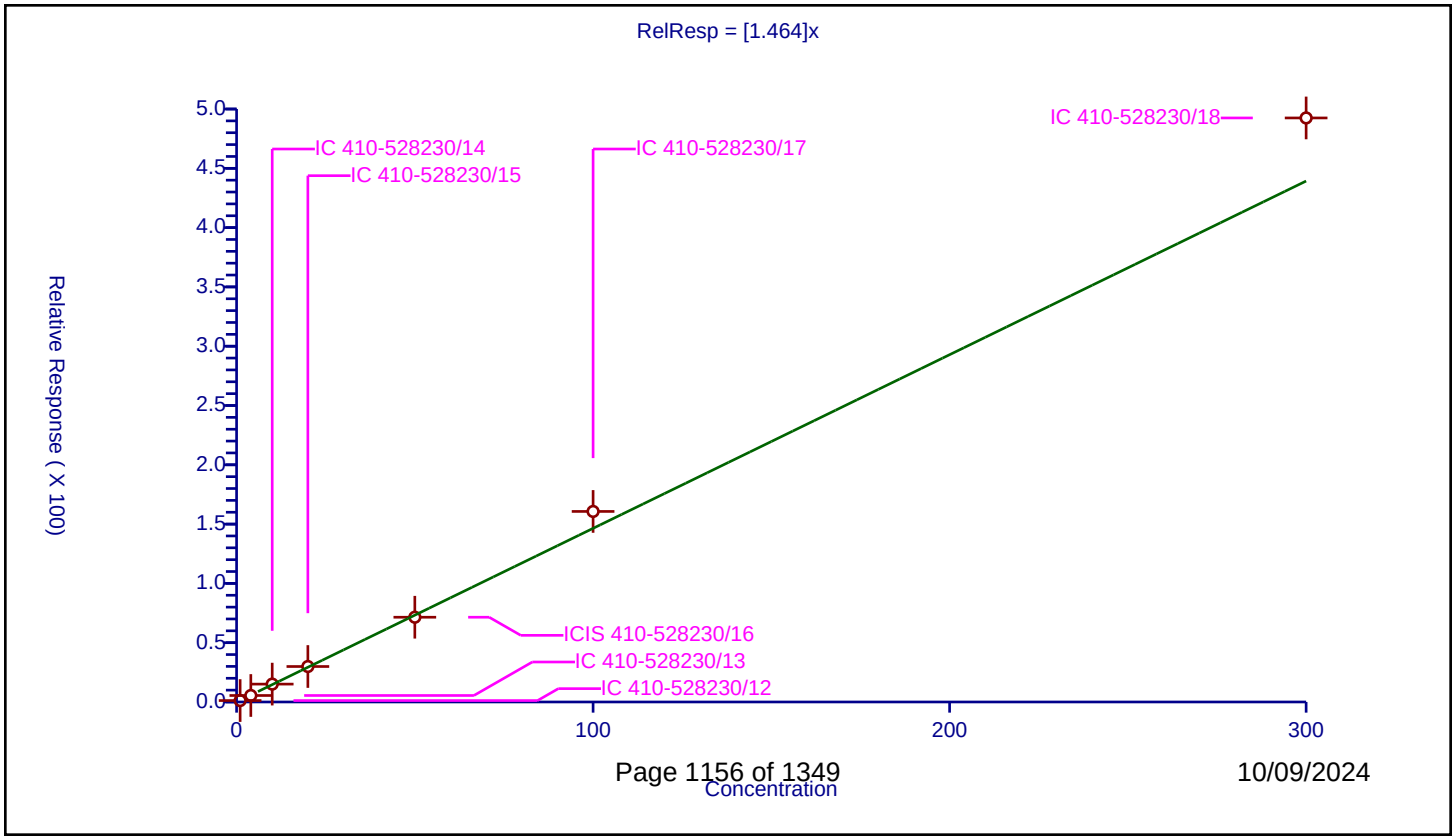
Curve Coefficients

Intercept:	0
Slope:	1.464

Error Coefficients

Relative Standard Deviation:	10.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	1.0	1.201273	50.0	553080.0	1.201273	Y
2	IC 410-528230/13	4.0	5.471778	50.0	544366.0	1.367945	Y
3	IC 410-528230/14	10.0	15.066952	50.0	531647.0	1.506695	Y
4	IC 410-528230/15	20.0	29.911992	50.0	515519.0	1.4956	Y
5	ICIS 410-528230/16	50.0	71.478612	50.0	487038.0	1.429572	Y
6	IC 410-528230/17	100.0	160.669351	50.0	503428.0	1.606694	Y
7	IC 410-528230/18	300.0	492.474711	50.0	558736.0	1.641582	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

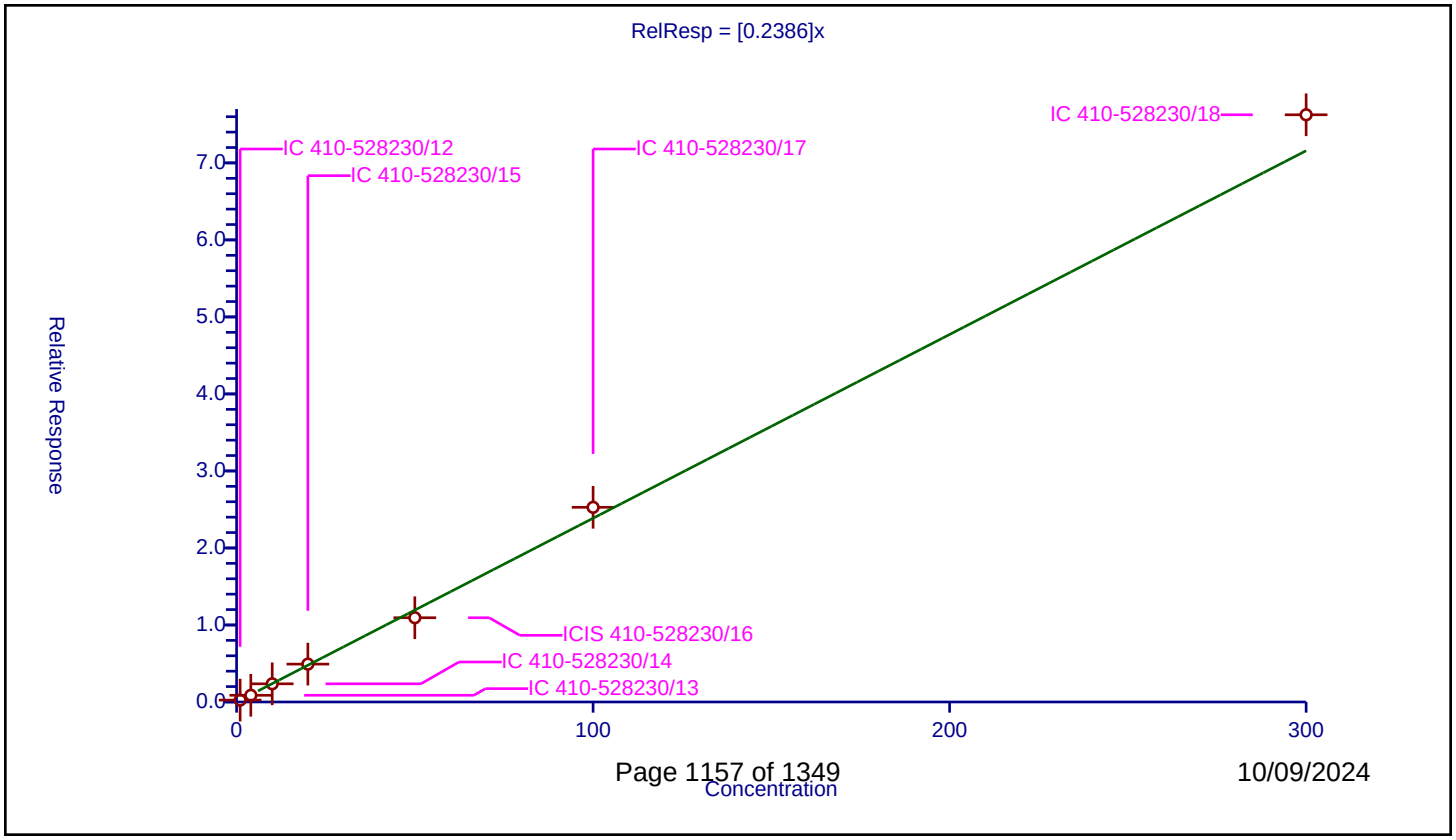
Curve Coefficients

Intercept:	0
Slope:	0.2386

Error Coefficients

Relative Standard Deviation:	6.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	1.0	0.245353	50.0	553080.0	0.245353	Y
2	IC 410-528230/13	4.0	0.869176	50.0	544366.0	0.217294	Y
3	IC 410-528230/14	10.0	2.359178	50.0	531647.0	0.235918	Y
4	IC 410-528230/15	20.0	4.91912	50.0	515519.0	0.245956	Y
5	ICIS 410-528230/16	50.0	10.940317	50.0	487038.0	0.218806	Y
6	IC 410-528230/17	100.0	25.279285	50.0	503428.0	0.252793	Y
7	IC 410-528230/18	300.0	76.251128	50.0	558736.0	0.25417	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

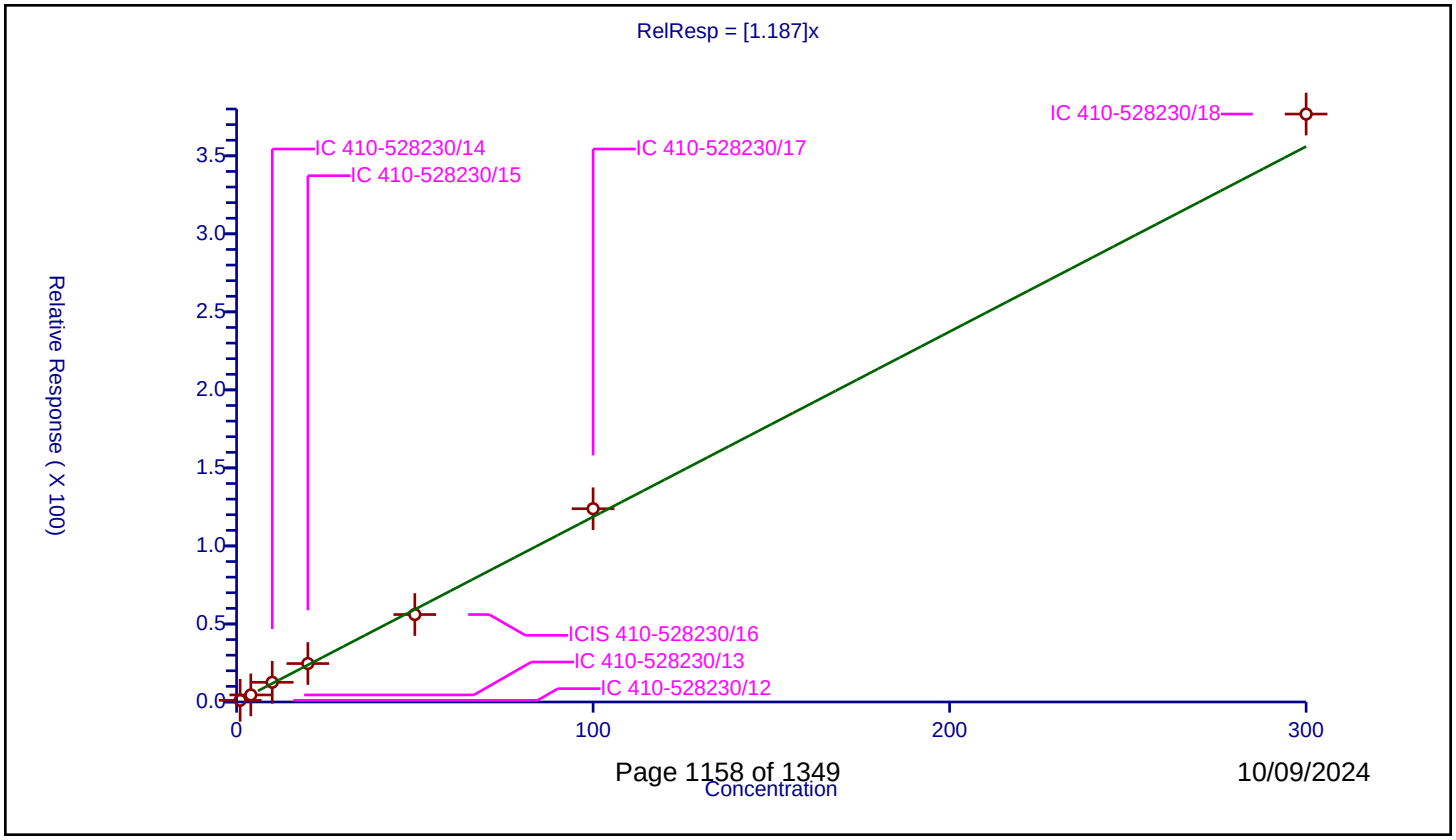
Curve Coefficients

Intercept:	0
Slope:	1.187

Error Coefficients

Relative Standard Deviation:	6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	1.0	1.0682	50.0	553080.0	1.0682	Y
2	IC 410-528230/13	4.0	4.513967	50.0	544366.0	1.128492	Y
3	IC 410-528230/14	10.0	12.62332	50.0	531647.0	1.262332	Y
4	IC 410-528230/15	20.0	24.638471	50.0	515519.0	1.231924	Y
5	ICIS 410-528230/16	50.0	56.044395	50.0	487038.0	1.120888	Y
6	IC 410-528230/17	100.0	123.851872	50.0	503428.0	1.238519	Y
7	IC 410-528230/18	300.0	376.765055	50.0	558736.0	1.255884	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

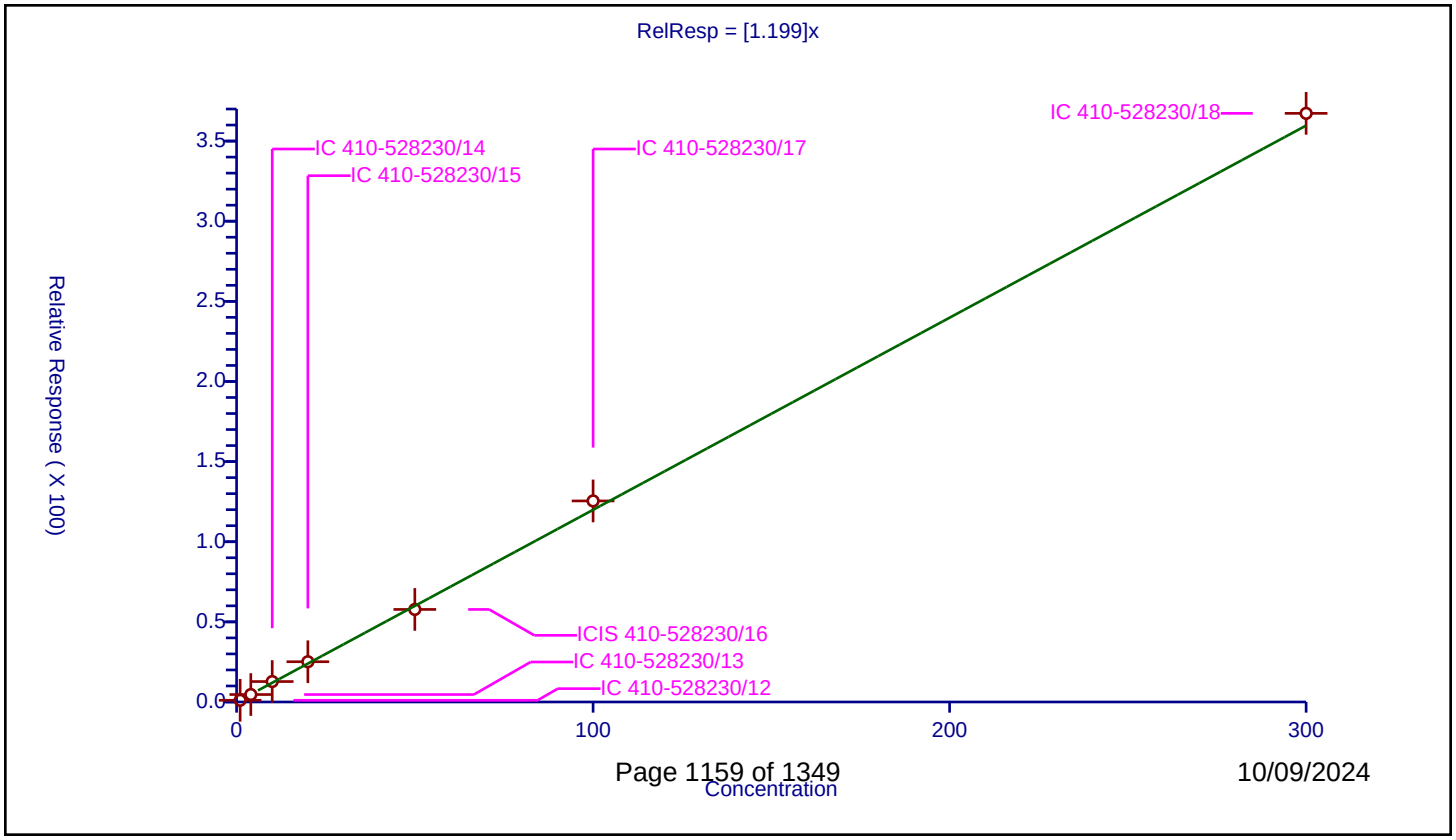
Curve Coefficients

Intercept:	0
Slope:	1.199

Error Coefficients

Relative Standard Deviation:	6.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	1.0	1.064765	50.0	553080.0	1.064765	Y
2	IC 410-528230/13	4.0	4.651282	50.0	544366.0	1.162821	Y
3	IC 410-528230/14	10.0	12.755268	50.0	531647.0	1.275527	Y
4	IC 410-528230/15	20.0	25.115272	50.0	515519.0	1.255764	Y
5	ICIS 410-528230/16	50.0	57.742517	50.0	487038.0	1.15485	Y
6	IC 410-528230/17	100.0	125.446936	50.0	503428.0	1.254469	Y
7	IC 410-528230/18	300.0	367.295467	50.0	558736.0	1.224318	Y



Calibration / 2-Ethylhexyl acrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

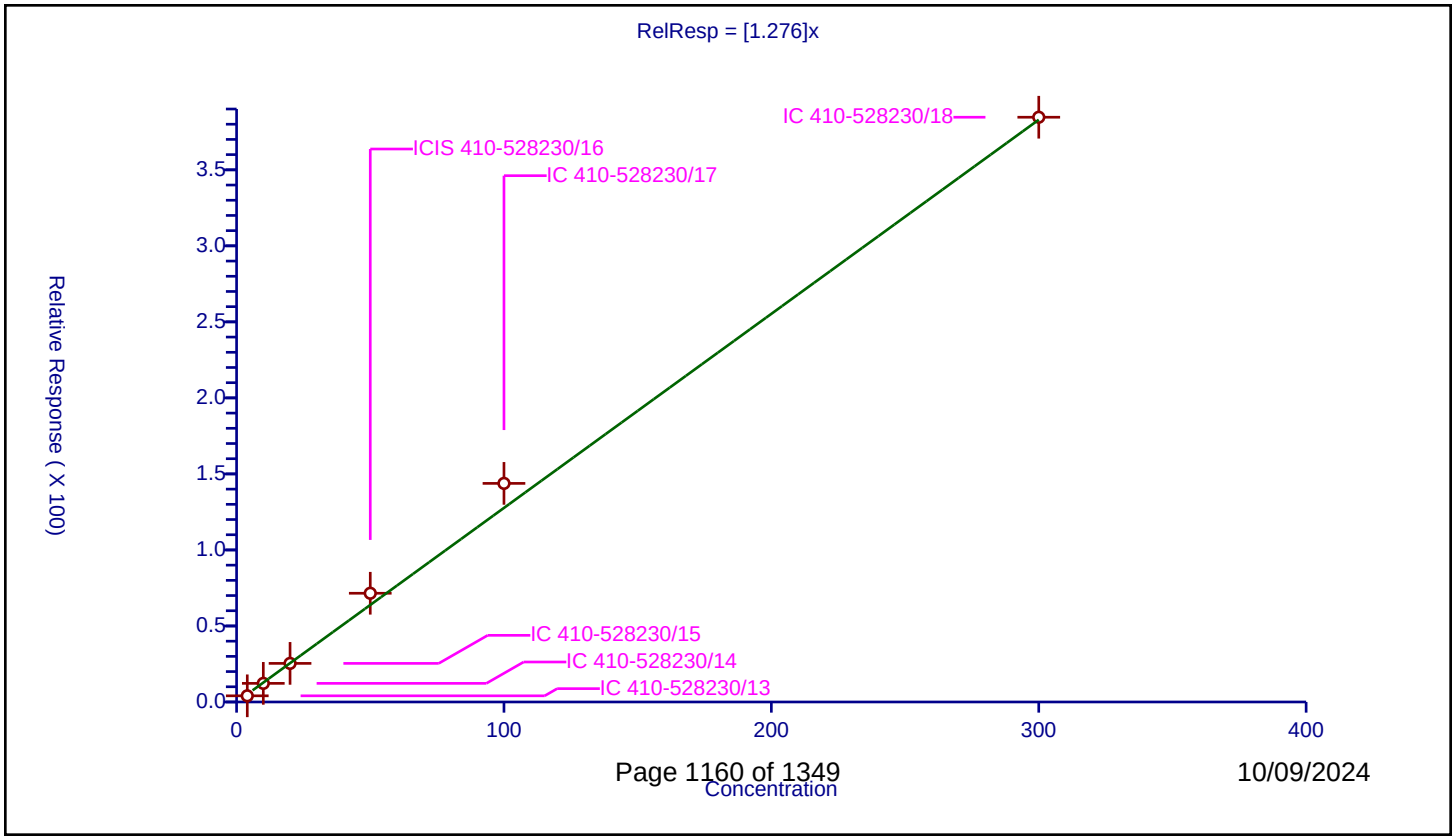
Curve Coefficients

Intercept:	0
Slope:	1.276

Error Coefficients

Relative Standard Deviation:	12.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/13	4.0002	4.060228	50.0	544366.0	1.015006	Y
2	IC 410-528230/14	10.0005	12.247694	50.0	531647.0	1.224708	Y
3	IC 410-528230/15	20.001	25.385582	50.0	515519.0	1.269216	Y
4	ICIS 410-528230/16	50.0025	71.511976	50.0	487038.0	1.430168	Y
5	IC 410-528230/17	100.005	143.776071	50.0	503428.0	1.437689	Y
6	IC 410-528230/18	300.015	384.596124	50.0	558736.0	1.281923	Y



Calibration / Hexachlorobutadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

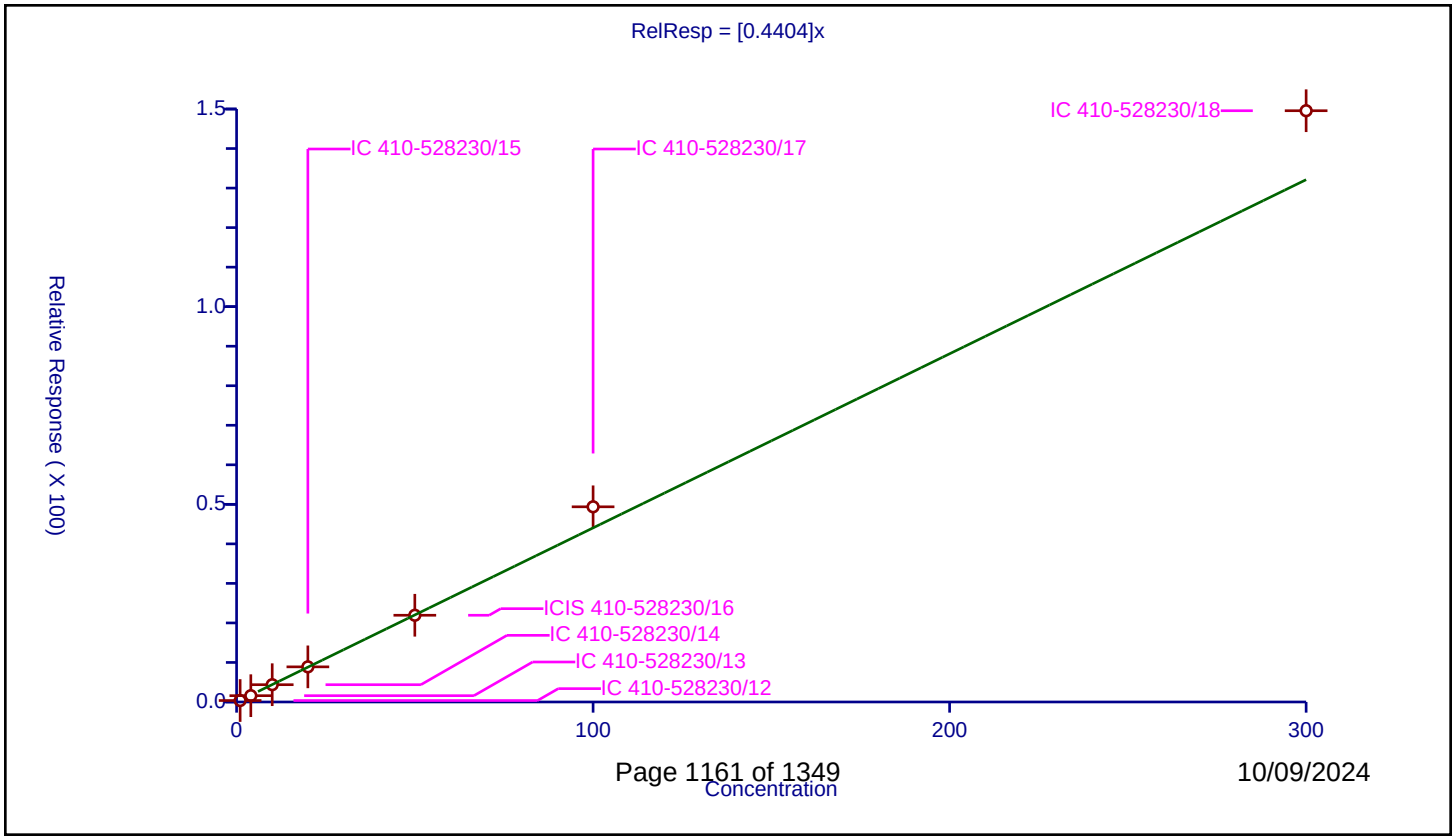
Curve Coefficients

Intercept:	0
Slope:	0.4404

Error Coefficients

Relative Standard Deviation:	10.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	1.0	0.3702	50.0	553080.0	0.3702	Y
2	IC 410-528230/13	4.0	1.598006	50.0	544366.0	0.399501	Y
3	IC 410-528230/14	10.0	4.377058	50.0	531647.0	0.437706	Y
4	IC 410-528230/15	20.0	8.8891	50.0	515519.0	0.444455	Y
5	ICIS 410-528230/16	50.0	21.937611	50.0	487038.0	0.438752	Y
6	IC 410-528230/17	100.0	49.372006	50.0	503428.0	0.49372	Y
7	IC 410-528230/18	300.0	149.56509	50.0	558736.0	0.49855	Y



Calibration / Naphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

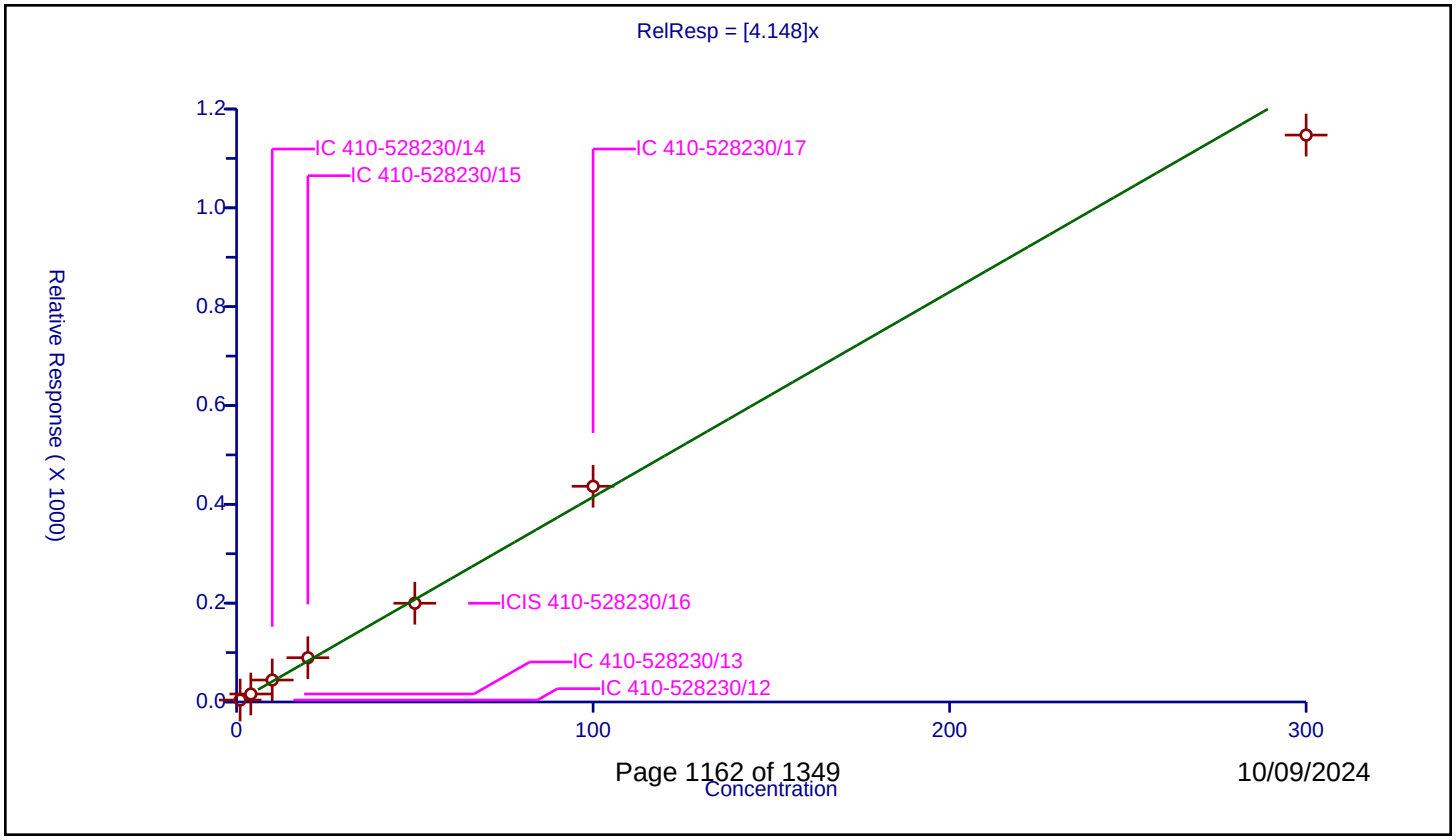
Curve Coefficients

Intercept:	0
Slope:	4.148

Error Coefficients

Relative Standard Deviation:	6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	1.0	3.885875	50.0	553080.0	3.885875	Y
2	IC 410-528230/13	4.0	16.159992	50.0	544366.0	4.039998	Y
3	IC 410-528230/14	10.0	44.464936	50.0	531647.0	4.446494	Y
4	IC 410-528230/15	20.0	89.585544	50.0	515519.0	4.479277	Y
5	ICIS 410-528230/16	50.0	199.812643	50.0	487038.0	3.996253	Y
6	IC 410-528230/17	100.0	436.535016	50.0	503428.0	4.36535	Y
7	IC 410-528230/18	300.0	1147.29076	50.0	558736.0	3.824303	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

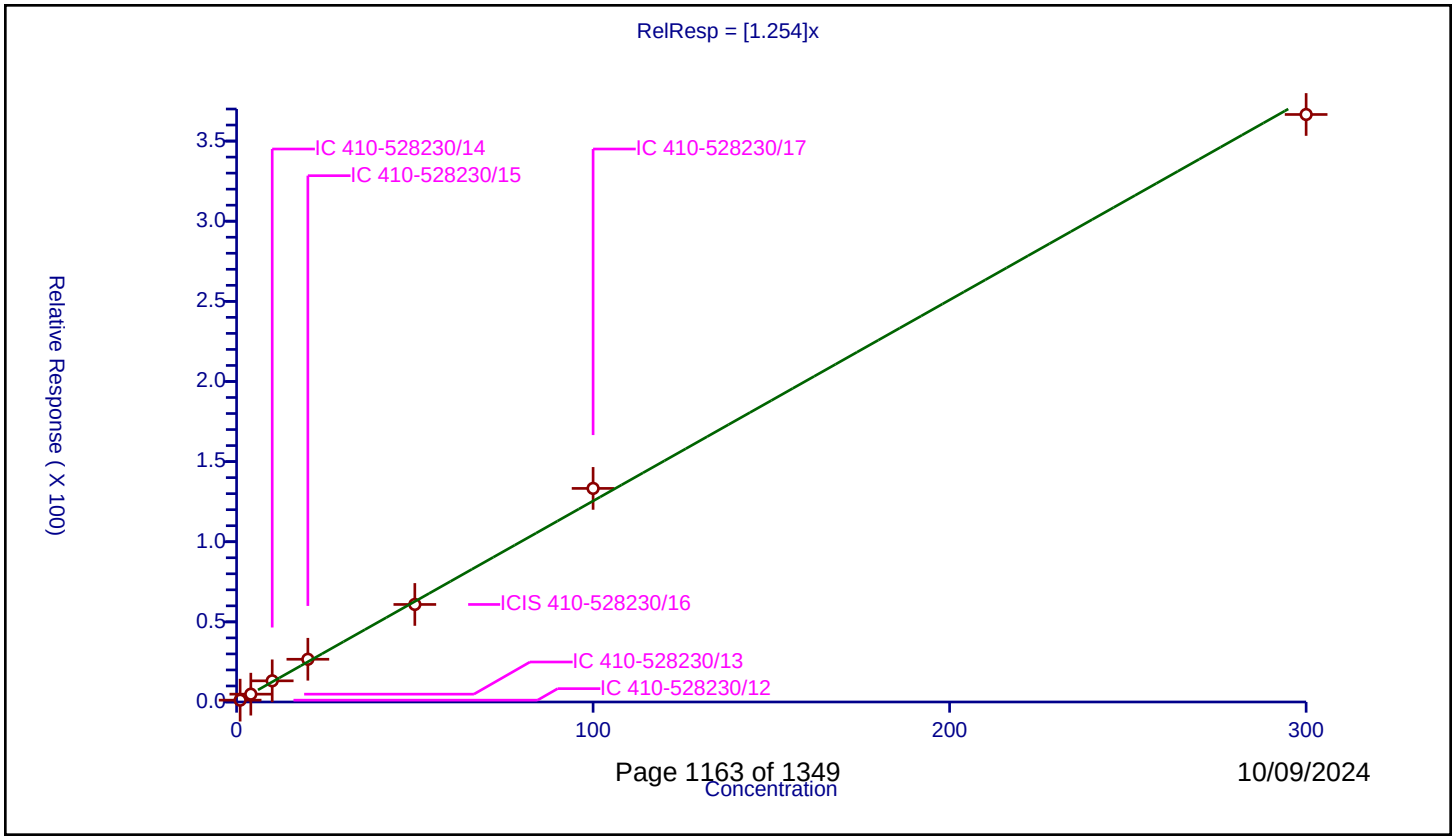
Curve Coefficients

Intercept:	0
Slope:	1.254

Error Coefficients

Relative Standard Deviation:	6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	1.0	1.131572	50.0	553080.0	1.131572	Y
2	IC 410-528230/13	4.0	4.888531	50.0	544366.0	1.222133	Y
3	IC 410-528230/14	10.0	13.209799	50.0	531647.0	1.32098	Y
4	IC 410-528230/15	20.0	26.664488	50.0	515519.0	1.333224	Y
5	ICIS 410-528230/16	50.0	60.859933	50.0	487038.0	1.217199	Y
6	IC 410-528230/17	100.0	133.279138	50.0	503428.0	1.332791	Y
7	IC 410-528230/18	300.0	366.581266	50.0	558736.0	1.221938	Y



Calibration / 2-Methylnaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

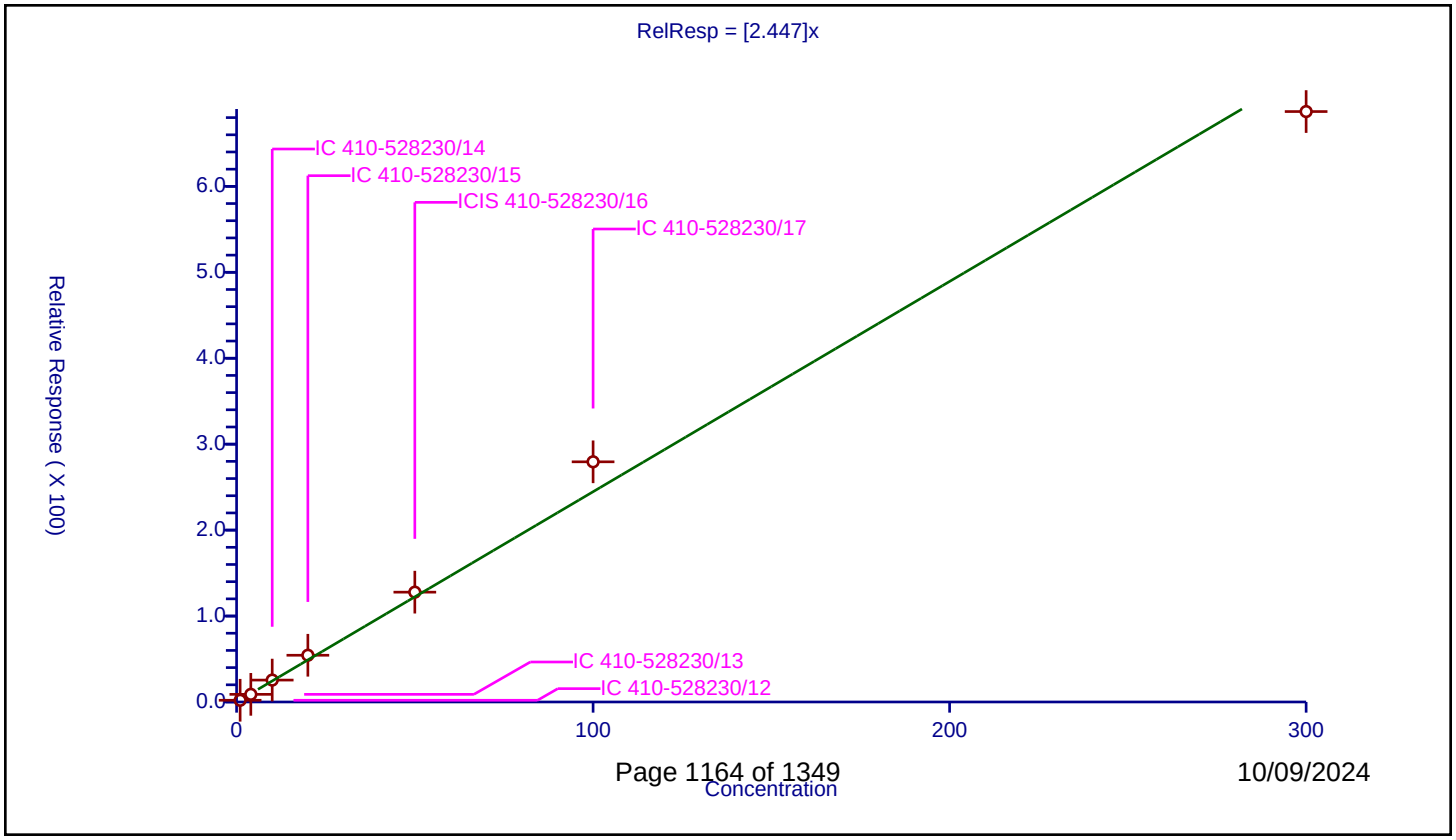
Curve Coefficients

Intercept:	0
Slope:	2.447

Error Coefficients

Relative Standard Deviation:	11.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-528230/12	1.0	1.996547	50.0	553080.0	1.996547	Y
2	IC 410-528230/13	4.0	8.879228	50.0	544366.0	2.219807	Y
3	IC 410-528230/14	10.0	25.504893	50.0	531647.0	2.550489	Y
4	IC 410-528230/15	20.0	54.387035	50.0	515519.0	2.719352	Y
5	ICIS 410-528230/16	50.0	127.789207	50.0	487038.0	2.555784	Y
6	IC 410-528230/17	100.0	279.486242	50.0	503428.0	2.794862	Y
7	IC 410-528230/18	300.0	687.03708	50.0	558736.0	2.290124	Y



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1

SDG No.:

Lab Sample ID: ICV 410-552275/20 Calibration Date: 09/17/2024 19:08

Instrument ID: 23297 Calib Start Date: 09/17/2024 16:08

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 09/17/2024 18:24

Lab File ID: 4S17X19.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	0.4372	0.4269	0.1000	19.5	20.0	-2.4	30.0
Chloromethane	Ave	0.4484	0.4524	0.1000	20.2	20.0	0.9	30.0
Vinyl chloride	Ave	0.4185	0.4385	0.1000	21.0	20.0	4.8	30.0
1,3-Butadiene	Ave	0.4706	0.4398		18.7	20.0	-6.5	30.0
Bromomethane	Ave	0.3313	0.3340	0.1000	20.2	20.0	0.8	30.0
Chloroethane	Ave	0.2239	0.2393	0.1000	21.4	20.0	6.9	30.0
Dichlorofluoromethane	Ave	0.6645	0.6045		18.2	20.0	-9.0	30.0
Trichlorofluoromethane	Ave	0.5227	0.5151	0.1000	19.7	20.0	-1.4	30.0
n-Pentane	Ave	0.4849	0.3456		14.3	20.0	-28.7	30.0
Ethanol	Ave	0.0820	0.0846		1030	1000	3.2	30.0
Freon 123a	Ave	0.3253	0.3273		20.1	20.0	0.6	30.0
Acrolein	Ave	1.031	0.9010		131	150	-12.6	30.0
1,1-Dichloroethene	Ave	0.2456	0.2335	0.1000	19.0	20.0	-4.9	30.0
Acetone	Ave	0.5895	0.5432	0.1000	230	250	-7.8	30.0
Freon 113	Ave	0.2966	0.2448	0.1000	16.5	20.0	-17.5	30.0
Methyl iodide	Ave	0.5613	0.4520		16.1	20.0	-19.5	30.0
2-Propanol	Ave	0.6272	0.6659		159	150	6.2	30.0
Carbon disulfide	Ave	0.9346	0.7272	0.1000	15.6	20.0	-22.2	30.0
Methyl acetate	Ave	0.3254	0.3659	0.1000	22.5	20.0	12.5	30.0
Allyl chloride	Ave	0.4198	0.3345		15.9	20.0	-20.3	30.0
Methylene Chloride	Ave	0.2929	0.2738	0.1000	18.7	20.0	-6.5	30.0
t-Butyl alcohol	Ave	1.035	0.9043		175	200	-12.6	30.0
Acrylonitrile	Ave	0.1733	0.1702		98.2	100	-1.8	30.0
Methyl tert-butyl ether	Ave	0.8462	0.7637	0.1000	18.1	20.0	-9.7	30.0
trans-1,2-Dichloroethene	Ave	0.2565	0.2409	0.1000	18.8	20.0	-6.1	30.0
n-Hexane	Ave	0.3444	0.2668		15.5	20.0	-22.5	30.0
1,1-Dichloroethane	Ave	0.4293	0.4109	0.2000	19.1	20.0	-4.3	30.0
Isopropyl ether	Ave	0.8038	0.7063		17.6	20.0	-12.1	30.0
2-Chloro-1,3-butadiene	Ave	0.3811	0.3257		17.1	20.0	-14.5	30.0
Ethyl t-butyl ether	Ave	0.8138	0.7253		17.8	20.0	-10.9	30.0
2-Butanone (MEK)	Ave	0.2713	0.2516	0.1000	232	250	-7.3	30.0
cis-1,2-Dichloroethene	Ave	0.3016	0.2760	0.1000	18.3	20.0	-8.5	30.0
2,2-Dichloropropane	Ave	0.4450	0.4019		18.1	20.0	-9.7	30.0
Propionitrile	Ave	0.9418	0.9251		147	150	-1.8	30.0
Methacrylonitrile	Ave	0.1782	0.1714		144	150	-3.8	30.0
Bromochloromethane	Ave	0.1652	0.1551		18.8	20.0	-6.1	30.0
Tetrahydrofuran	Ave	0.9174	0.8032		87.6	100	-12.4	30.0
Chloroform	Ave	0.4653	0.4422	0.2000	19.0	20.0	-5.0	30.0
1,1,1-Trichloroethane	Ave	0.4437	0.4099	0.1000	18.5	20.0	-7.6	30.0
Cyclohexane	Ave	0.4742	0.4050	0.1000	17.1	20.0	-14.6	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1

SDG No.:

Lab Sample ID: ICV 410-552275/20 Calibration Date: 09/17/2024 19:08

Instrument ID: 23297 Calib Start Date: 09/17/2024 16:08

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 09/17/2024 18:24

Lab File ID: 4S17X19.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	0.3845	0.3570	0.1000	18.6	20.0	-7.2	30.0
1,1-Dichloropropene	Ave	0.3530	0.3170		18.0	20.0	-10.2	30.0
Isobutyl alcohol	Ave	0.3635	0.3143		432	500	-13.5	30.0
Benzene	Ave	1.045	0.9518	0.5000	18.2	20.0	-8.9	30.0
1,2-Dichloroethane	Ave	0.3627	0.3396	0.1000	18.7	20.0	-6.4	30.0
t-Amyl methyl ether	Ave	0.8000	0.7248		18.1	20.0	-9.4	30.0
n-Heptane	Ave	0.3645	0.3058		16.8	20.0	-16.1	30.0
n-Butanol	Ave	0.2607	0.2526		969	1000	-3.1	30.0
Trichloroethene	Ave	0.2787	0.2595	0.2000	18.6	20.0	-6.9	30.0
Methylcyclohexane	Ave	0.5051	0.4276	0.1000	16.9	20.0	-15.3	30.0
1,2-Dichloropropane	Ave	0.2636	0.2443	0.1000	18.5	20.0	-7.3	30.0
t-Amyl ethyl ether	Ave	0.3973	0.3611		18.2	20.0	-9.1	30.0
1,4-Dioxane	Ave	0.0756	0.0726	0.0050	480	500	-4.0	30.0
Methyl methacrylate	Ave	0.2523	0.2332		18.5	20.0	-7.6	30.0
Dibromomethane	Ave	0.1940	0.1832		18.9	20.0	-5.6	30.0
Bromodichloromethane	Ave	0.3451	0.3231	0.2000	18.7	20.0	-6.4	30.0
2-Nitropropane	Ave	1.692	1.388		16.4	20.0	-18.0	30.0
2-Chloroethyl vinyl ether	Ave	0.1378	0.1433		20.8	20.0	3.9	30.0
cis-1,3-Dichloropropene	Ave	0.4293	0.3858	0.2000	18.0	20.0	-10.1	30.0
4-Methyl-2-pentanone (MIBK)	Ave	0.5244	0.4951	0.1000	236	250	-5.6	30.0
Toluene	Ave	0.8386	0.7903	0.4000	18.8	20.0	-5.8	30.0
trans-1,3-Dichloropropene	Ave	0.5008	0.4650	0.1000	18.6	20.0	-7.1	30.0
Ethyl methacrylate	Ave	0.5698	0.5009		17.6	20.0	-12.1	30.0
1,1,2-Trichloroethane	Ave	0.3353	0.3211	0.1000	19.2	20.0	-4.2	30.0
Tetrachloroethene	Ave	0.3963	0.3741	0.2000	18.9	20.0	-5.6	30.0
1,3-Dichloropropane	Ave	0.5203	0.4900		18.8	20.0	-5.8	30.0
2-Hexanone	Ave	0.4903	0.4674	0.1000	238	250	-4.7	30.0
Dibromochloromethane	Ave	0.3952	0.3714		18.8	20.0	-6.0	30.0
1,2-Dibromoethane (EDB)	Ave	0.3662	0.3446	0.1000	18.8	20.0	-5.9	30.0
1-Chlorohexane	Ave	0.4649	0.4047		17.4	20.0	-13.0	30.0
Chlorobenzene	Ave	1.003	0.9553	0.5000	19.0	20.0	-4.8	30.0
1,1,1,2-Tetrachloroethane	Ave	0.3988	0.3842		19.3	20.0	-3.6	30.0
Ethylbenzene	Ave	1.703	1.610	0.1000	18.9	20.0	-5.5	30.0
m&p-Xylene	Ave	0.6827	0.6453	0.1000	37.8	40.0	-5.5	30.0
o-Xylene	Ave	0.7225	0.6859	0.3000	19.0	20.0	-5.1	30.0
Styrene	Ave	1.109	1.058	0.3000	19.1	20.0	-4.6	30.0
Bromoform	Ave	0.3241	0.2956	0.1000	18.2	20.0	-8.8	30.0
Isopropylbenzene	Ave	1.682	1.832	0.1000	21.8	20.0	8.9	30.0
Cyclohexanone	Ave	0.2971	0.2563		431	500	-13.7	30.0
1,1,2,2-Tetrachloroethane	Ave	1.027	0.9822	0.3000	19.1	20.0	-4.3	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1

SDG No.:

Lab Sample ID: ICV 410-552275/20 Calibration Date: 09/17/2024 19:08

Instrument ID: 23297 Calib Start Date: 09/17/2024 16:08

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 09/17/2024 18:24

Lab File ID: 4S17X19.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
Bromobenzene	Ave	0.7596	0.7239		19.1	20.0	-4.7	30.0
trans-1,4-Dichloro-2-butene	Ave	0.2799	0.2755		98.4	100	-1.6	30.0
1,2,3-Trichloropropane	Ave	0.3126	0.2994		19.2	20.0	-4.2	30.0
N-Propylbenzene	Ave	3.346	3.235		19.3	20.0	-3.3	30.0
2-Chlorotoluene	Ave	0.7434	0.7117		19.1	20.0	-4.3	30.0
1,3,5-Trimethylbenzene	Ave	2.560	2.470		19.3	20.0	-3.5	30.0
4-Chlorotoluene	Ave	0.7345	0.6950		18.9	20.0	-5.4	30.0
tert-Butylbenzene	Ave	0.5042	0.4715		18.7	20.0	-6.5	30.0
1,2,4-Trimethylbenzene	Ave	2.663	2.568		19.3	20.0	-3.6	30.0
sec-Butylbenzene	Ave	3.293	3.136		19.0	20.0	-4.8	30.0
1,3-Dichlorobenzene	Ave	1.521	1.440	0.6000	18.9	20.0	-5.3	30.0
p-Isopropyltoluene	Ave	2.966	2.827		19.1	20.0	-4.7	30.0
1,4-Dichlorobenzene	Ave	1.554	1.453	0.5000	18.7	20.0	-6.5	30.0
1,2,3-Trimethylbenzene	Ave	2.846	2.636		18.5	20.0	-7.4	30.0
Benzyl chloride	Ave	2.125	1.951		18.4	20.0	-8.2	30.0
1,3-Diethylbenzene	Ave	1.727	1.697		19.7	20.0	-1.7	30.0
1,4-Diethylbenzene	Ave	1.876	1.807		19.3	20.0	-3.7	30.0
n-Butylbenzene	Ave	1.435	1.355		18.9	20.0	-5.6	30.0
1,2-Dichlorobenzene	Ave	1.578	1.533	0.4000	19.4	20.0	-2.9	30.0
1,2-Diethylbenzene	Ave	1.490	1.408		18.9	20.0	-5.5	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.3048	0.2840	0.0500	18.6	20.0	-6.8	30.0
1,3,5-Trichlorobenzene	Ave	1.268	1.249		19.7	20.0	-1.5	30.0
1,2,4-Trichlorobenzene	Ave	1.209	1.232	0.2000	20.4	20.0	1.9	30.0
Hexachlorobutadiene	Ave	0.4907	0.5174		21.1	20.0	5.4	30.0
Naphthalene	Ave	4.166	4.153		19.9	20.0	-0.3	30.0
1,2,3-Trichlorobenzene	Ave	1.155	1.167		20.2	20.0	1.0	30.0
2-Methylnaphthalene	Ave	1.786	2.093		23.4	20.0	17.2	30.0
Dibromofluoromethane (Surr)	Ave	0.2641	0.2640		50.0	50.0	-0.0	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0627	0.0620		49.4	50.0	-1.2	30.0
Toluene-d8 (Surr)	Ave	1.284	1.289		50.2	50.0	0.4	30.0
4-Bromofluorobenzene (Surr)	Ave	0.4856	0.4899		50.4	50.0	0.9	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\23297\20240917-125144.b\4S17X19.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 17-Sep-2024 19:08:30 ALS Bottle#: 12 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0125144-020
Misc. Info.: ICV
Operator ID: jml01693 Instrument ID: 23297
Sublist:

Method: \\chromfs\Lancaster\ChromData\23297\20240917-125144.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 17-Sep-2024 21:21:36 Calib Date: 17-Sep-2024 18:24:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20240917-125144.b\4S17X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1647

First Level Reviewer: K4WN Date: 17-Sep-2024 20:30:39

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.782	1.794	-0.012	99	117795	20.0	19.5	
4 Chloromethane	50	1.958	1.964	-0.006	99	124838	20.0	20.2	
5 Vinyl chloride	62	2.062	2.068	-0.006	97	121018	20.0	21.0	
6 Butadiene	39	2.074	2.080	-0.006	94	121381	20.0	18.7	
8 Bromomethane	94	2.366	2.372	-0.006	89	92175	20.0	20.2	
9 Chloroethane	64	2.427	2.445	-0.018	100	66031	20.0	21.4	
10 Dichlorofluoromethane	67	2.664	2.664	0.000	97	166828	20.0	18.2	
11 Trichlorofluoromethane	101	2.725	2.731	-0.006	98	142154	20.0	19.7	
12 Pentane	43	2.749	2.755	-0.006	96	95372	20.0	14.3	
13 Ethanol	45	2.914	2.853	0.061	96	101901	999.9	1032.4	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.023	3.017	0.006	93	90325	20.0	20.1	
16 Acrolein	56	3.084	3.090	-0.006	99	163099	150.3	131.4	
18 1,1-Dichloroethene	96	3.230	3.236	-0.006	97	64435	20.0	19.0	
17 Acetone	58	3.230	3.248	-0.018	100	163540	250.0	230.4	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.248	3.260	-0.012	91	67566	20.0	16.5	
21 Iodomethane	142	3.400	3.406	-0.006	98	124748	20.0	16.1	
20 Isopropyl alcohol	45	3.406	3.412	-0.006	88	120288	150.0	159.3	
22 Carbon disulfide	76	3.498	3.497	0.001	99	200677	20.0	15.6	
24 Methyl acetate	43	3.619	3.619	0.000	98	100988	20.0	22.5	
25 3-Chloro-1-propene	41	3.638	3.643	-0.005	90	92312	20.0	15.9	
27 Methylene Chloride	84	3.814	3.820	-0.006	92	75547	20.0	18.7	
* 28 t-Butyl alcohol-d10 (IS)	65	3.844	3.844	0.000	94	301068	250.0	250.0	
29 2-Methyl-2-propanol	59	3.954	3.948	0.006	99	217816	200.0	174.8	M
30 Acrylonitrile	53	4.106	4.112	-0.006	100	234815	100.0	98.2	
31 Methyl tert-butyl ether	73	4.179	4.179	0.000	93	210746	20.0	18.1	
32 trans-1,2-Dichloroethene	96	4.185	4.185	0.000	99	66493	20.0	18.8	
34 Hexane	57	4.611	4.617	-0.006	93	73623	20.0	15.5	
36 1,1-Dichloroethane	63	4.842	4.848	-0.006	96	113387	20.0	19.1	
37 Isopropyl ether	45	4.903	4.915	-0.012	93	194920	20.0	17.6	
38 2-Chloro-1,3-butadiene	53	4.958	4.964	-0.006	90	89872	20.0	17.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
39 Tert-butyl ethyl ether	59	5.457	5.462	-0.005	98	200169	20.0	17.8	
40 2-Butanone (MEK)	43	5.663	5.675	-0.012	100	867831	250.0	231.8	
41 cis-1,2-Dichloroethene	96	5.694	5.700	-0.006	82	76153	20.0	18.3	
42 2,2-Dichloropropane	77	5.712	5.718	-0.006	88	110903	20.0	18.1	
44 Propionitrile	54	5.755	5.754	0.001	99	167112	150.0	147.3	
46 Methacrylonitrile	67	5.968	5.973	-0.005	93	354687	150.0	144.3	
47 Chlorobromomethane	128	6.028	6.034	-0.006	83	42804	20.0	18.8	
48 Tetrahydrofuran	71	6.047	6.046	0.001	88	96733	100.0	87.6	
50 Chloroform	83	6.187	6.186	0.001	93	122036	20.0	19.0	
$ 51 Dibromofluoromethane (Surr)	113	6.406	6.405	0.001	93	182129	50.0	50.0	
52 1,1,1-Trichloroethane	97	6.412	6.424	-0.012	98	113122	20.0	18.5	
53 Cyclohexane	56	6.515	6.521	-0.006	91	111778	20.0	17.1	
55 1,1-Dichloropropene	75	6.637	6.637	0.000	93	87491	20.0	18.0	
54 Carbon tetrachloride	117	6.631	6.637	-0.006	96	98515	20.0	18.6	
56 Isobutyl alcohol	41	6.819	6.819	0.000	94	189251	500.0	432.3	
$ 57 1,2-Dichloroethane-d4 (Surr)	102	6.862	6.868	-0.006	99	42755	50.0	49.4	
58 Benzene	78	6.898	6.898	0.000	97	262667	20.0	18.2	
59 1,2-Dichloroethane	62	6.971	6.971	0.000	98	93717	20.0	18.7	
61 Tert-amyl methyl ether	73	7.099	7.105	-0.006	98	200028	20.0	18.1	
* 62 Fluorobenzene (IS)	96	7.312	7.312	0.000	99	689906	50.0	50.0	
63 n-Heptane	43	7.342	7.342	0.000	94	84378	20.0	16.8	
64 n-Butanol	56	7.707	7.713	-0.006	90	304164	1000.0	968.7	
65 Trichloroethene	95	7.799	7.799	0.001	96	71614	20.0	18.6	
68 Methylcyclohexane	83	8.109	8.109	0.000	91	117999	20.0	16.9	
69 1,2-Dichloropropane	63	8.127	8.133	-0.006	94	67416	20.0	18.5	
70 2-ethoxy-2-methyl butane	87	8.158	8.157	0.001	93	99649	20.0	18.2	
72 Methyl methacrylate	69	8.231	8.237	-0.006	93	64350	20.0	18.5	
71 1,4-Dioxane	88	8.231	8.237	-0.006	35	43738	500.0	480.1	M
73 Dibromomethane	93	8.243	8.243	0.000	93	50556	20.0	18.9	
75 Dichlorobromomethane	83	8.486	8.486	0.000	99	89162	20.0	18.7	
76 2-Nitropropane	41	8.754	8.760	-0.006	99	33438	20.0	16.4	
77 2-Chloroethyl vinyl ether	63	8.863	8.863	0.000	93	39532	20.0	20.8	
78 cis-1,3-Dichloropropene	75	9.058	9.052	0.006	95	106467	20.0	18.0	
79 4-Methyl-2-pentanone (MIBK)	43	9.247	9.246	0.001	97	1707695	250.0	236.0	
$ 80 Toluene-d8 (Surr)	98	9.380	9.386	-0.006	93	699106	50.0	50.2	
81 Toluene	92	9.466	9.465	0.001	98	171387	20.0	18.8	
82 trans-1,3-Dichloropropene	75	9.745	9.745	0.000	93	100855	20.0	18.6	
83 Ethyl methacrylate	69	9.818	9.818	0.000	90	108631	20.0	17.6	
101 1,1,2-Trichloroethane	97	9.952	9.952	0.000	90	69634	20.0	19.2	
117 Tetrachloroethene	166	10.044	10.043	0.001	97	81122	20.0	18.9	
121 1,3-Dichloropropane	76	10.123	10.122	0.001	92	106268	20.0	18.8	
123 2-Hexanone	43	10.183	10.183	0.000	96	1267174	250.0	238.3	
126 Chlorodibromomethane	129	10.342	10.341	0.001	89	80541	20.0	18.8	
127 Ethylene Dibromide	107	10.451	10.451	0.000	100	74733	20.0	18.8	
* 129 Chlorobenzene-d5 (IS)	117	10.901	10.901	0.000	84	542184	50.0	50.0	
130 1-Chlorohexane	91	10.920	10.919	0.001	98	87764	20.0	17.4	
131 Chlorobenzene	112	10.932	10.932	0.000	96	207174	20.0	19.0	
132 1,1,1,2-Tetrachloroethane	131	11.017	11.017	0.000	96	83327	20.0	19.3	
133 Ethylbenzene	91	11.023	11.023	0.000	98	349148	20.0	18.9	
134 m-Xylene & p-Xylene	106	11.145	11.144	0.001	0	279912	40.0	37.8	
136 o-Xylene	106	11.479	11.479	0.000	95	148747	20.0	19.0	
138 Styrene	104	11.491	11.491	0.000	95	229473	20.0	19.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
139 Bromoform	173	11.644	11.649	-0.005	97	64108	20.0	18.2	
140 Isopropylbenzene	105	11.783	11.783	0.000	95	397386	20.0	21.8	
142 Cyclohexanone	55	11.856	11.856	0.000	93	154294	499.9	431.3	
$ 143 4-Bromofluorobenzene (Surr)	95	11.929	11.929	0.000	94	265592	50.0	50.4	
144 1,1,2,2-Tetrachloroethane	83	12.033	12.033	0.000	94	134090	20.0	19.1	
145 Bromobenzene	156	12.045	12.045	0.000	94	98833	20.0	19.1	
146 trans-1,4-Dichloro-2-butene	53	12.057	12.057	0.000	94	188090	100.0	98.4	
147 1,2,3-Trichloropropane	110	12.075	12.075	0.000	81	40876	20.0	19.2	
148 N-Propylbenzene	91	12.118	12.118	0.000	98	441632	20.0	19.3	
149 2-Chlorotoluene	126	12.191	12.191	0.000	98	97168	20.0	19.1	
150 1,3,5-Trimethylbenzene	105	12.258	12.258	0.000	94	337161	20.0	19.3	
151 4-Chlorotoluene	126	12.288	12.288	0.000	96	94889	20.0	18.9	
154 tert-Butylbenzene	134	12.501	12.501	0.000	92	64373	20.0	18.7	
156 1,2,4-Trimethylbenzene	105	12.544	12.544	0.000	97	350561	20.0	19.3	
157 sec-Butylbenzene	105	12.666	12.665	0.001	94	428128	20.0	19.0	
158 1,3-Dichlorobenzene	146	12.763	12.763	0.000	98	196613	20.0	18.9	
159 4-Isopropyltoluene	119	12.775	12.775	0.000	97	385974	20.0	19.1	
* 160 1,4-Dichlorobenzene-d4	152	12.818	12.817	0.001	93	341312	50.0	50.0	
161 1,4-Dichlorobenzene	146	12.836	12.836	0.000	96	198425	20.0	18.7	
163 1,2,3-Trimethylbenzene	105	12.848	12.848	0.000	98	359916	20.0	18.5	
164 Benzyl chloride	91	12.915	12.915	0.000	98	266352	20.0	18.4	
165 1,3-Diethylbenzene	119	12.982	12.982	0.000	96	231703	20.0	19.7	
166 p-Diethylbenzene	119	13.049	13.055	-0.006	95	246702	20.0	19.3	
167 n-Butylbenzene	92	13.067	13.073	-0.006	96	184941	20.0	18.9	
168 1,2-Dichlorobenzene	146	13.097	13.097	0.000	99	209250	20.0	19.4	
169 o-diethylbenzene	119	13.122	13.122	0.000	94	192199	20.0	18.9	
171 1,2-Dibromo-3-Chloropropane	75	13.639	13.639	0.000	90	38773	20.0	18.6	
172 1,3,5-Trichlorobenzene	180	13.773	13.773	0.000	98	170462	20.0	19.7	
173 1,2,4-Trichlorobenzene	180	14.193	14.198	-0.005	94	168215	20.0	20.4	
175 Hexachlorobutadiene	225	14.284	14.284	0.000	98	70633	20.0	21.1	
176 Naphthalene	128	14.375	14.375	0.000	96	567020	20.0	19.9	
177 1,2,3-Trichlorobenzene	180	14.521	14.521	0.000	96	159270	20.0	20.2	
178 2-Methylnaphthalene	142	15.117	15.117	0.000	92	285795	20.0	23.4	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_LCS_VOC#1_00185	Amount Added: 50.00	Units: uL	
MSV_LCS_2CEVE_00190	Amount Added: 50.00	Units: uL	
MSV_LCS_ACROL_00189	Amount Added: 50.00	Units: uL	
MSV_LCS_ETOH_00006	Amount Added: 50.00	Units: uL	
MSV_LCS_Gases_00216	Amount Added: 50.00	Units: uL	
MSV_LCS_CYC_00010	Amount Added: 50.00	Units: uL	
MSV_HP04_ISSS_00003	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 17-Sep-2024 21:21:39 Chrom Revision: 2.3 12-Sep-2024 11:12:44

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20240917-125144.b\4S17X19.D

Injection Date: 17-Sep-2024 19:08:30 Instrument ID: 23297 Operator ID: jml01693

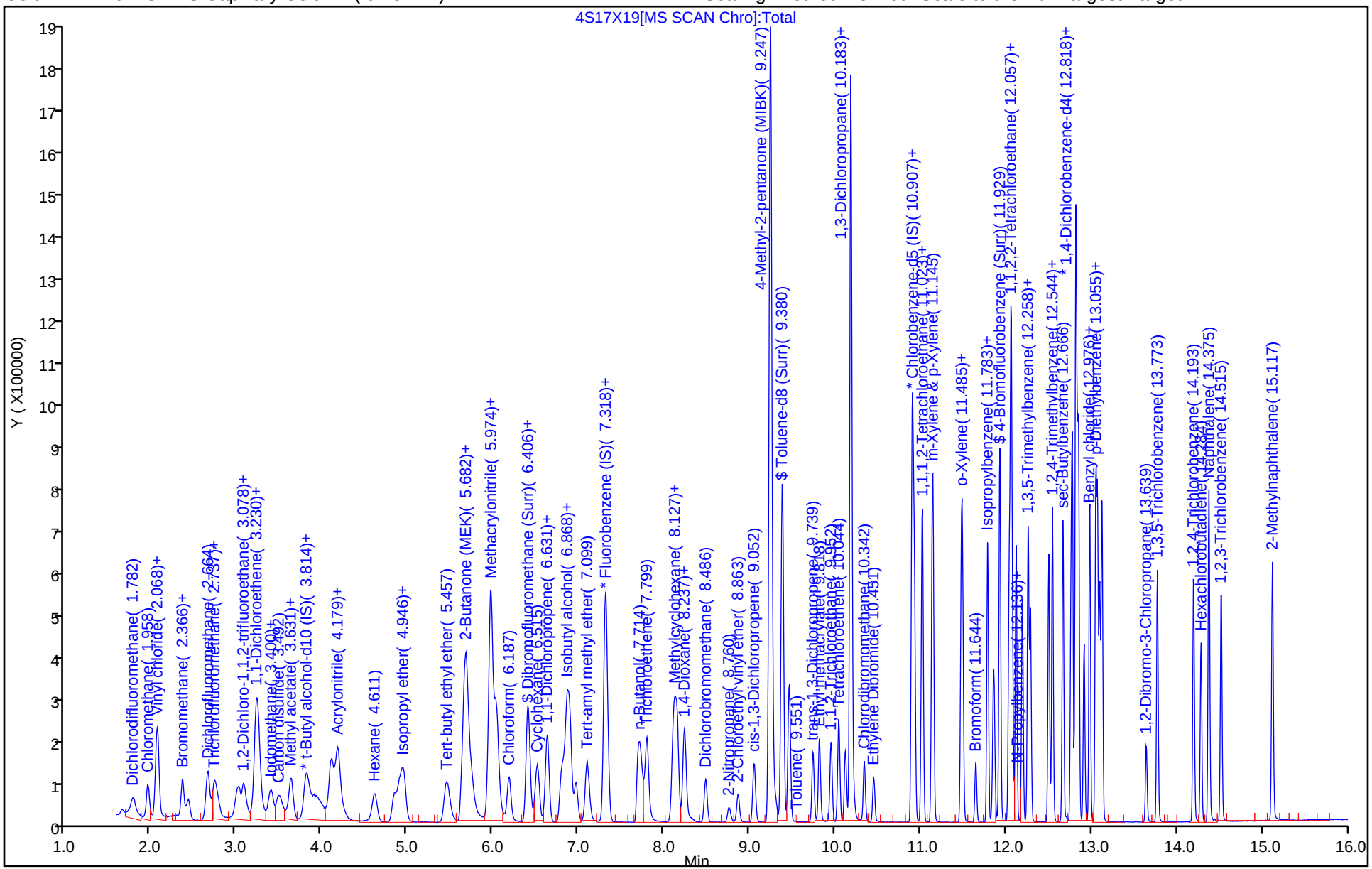
Lims ID: ICV Worklist Smp#: 20

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 12

Method: MSVoa_23297 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

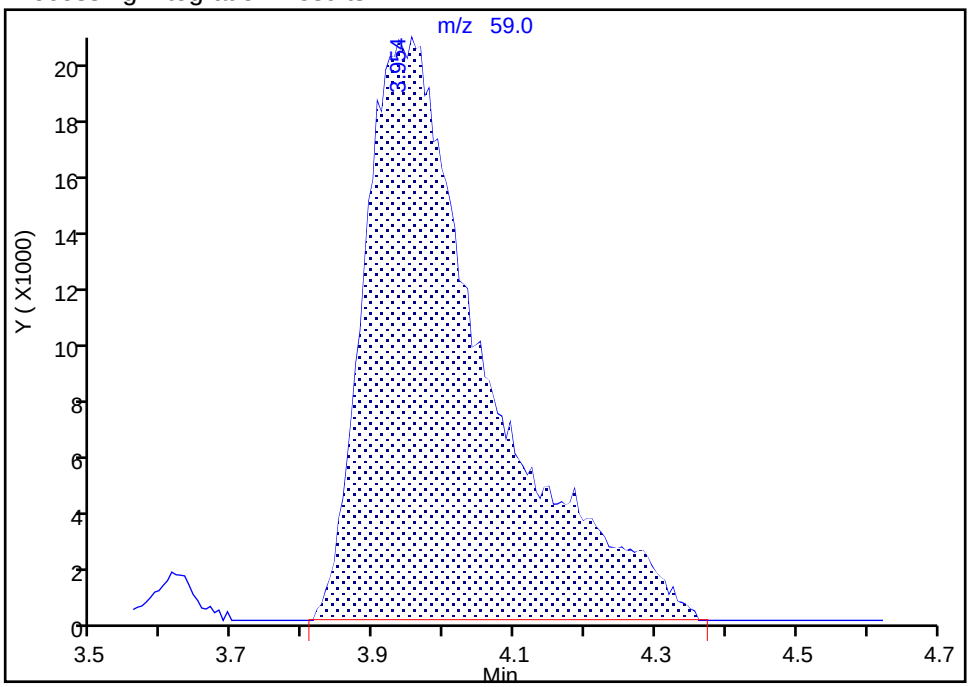
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Injection Date: 17-Sep-2024 19:08:30 Instrument ID: 23297
Lims ID: ICV
Client ID:
Operator ID: jml01693 ALS Bottle#: 12 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

29 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

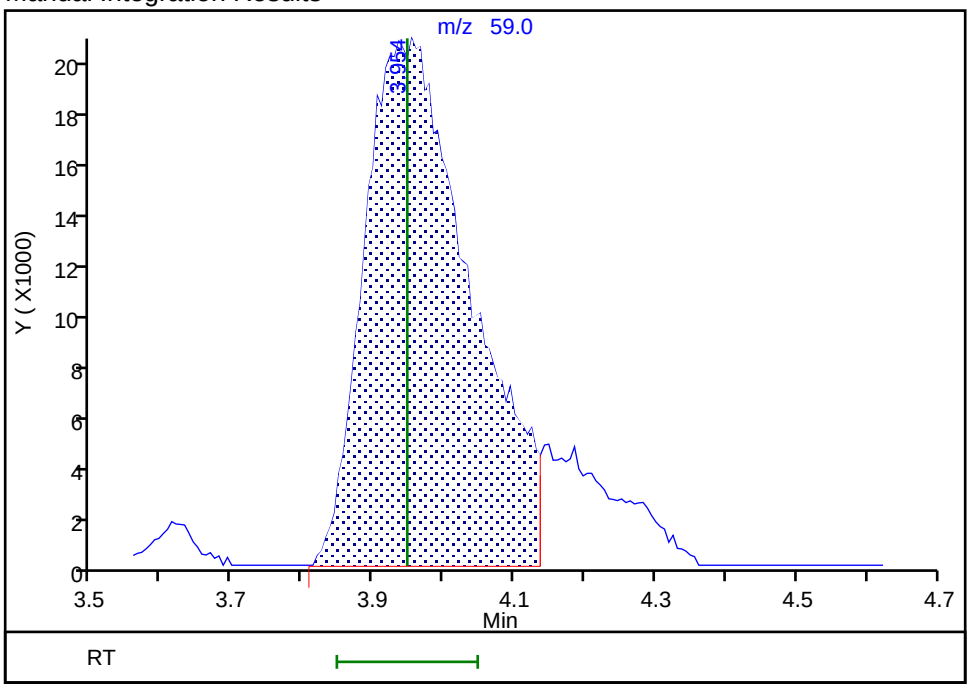
Processing Integration Results

RT: 3.95
Area: 252667
Amount: 202.7731
Amount Units: ug/l



Manual Integration Results

RT: 3.95
Area: 217816
Amount: 174.8041
Amount Units: ug/l



Reviewer: K4WN, 17-Sep-2024 20:42:50 -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

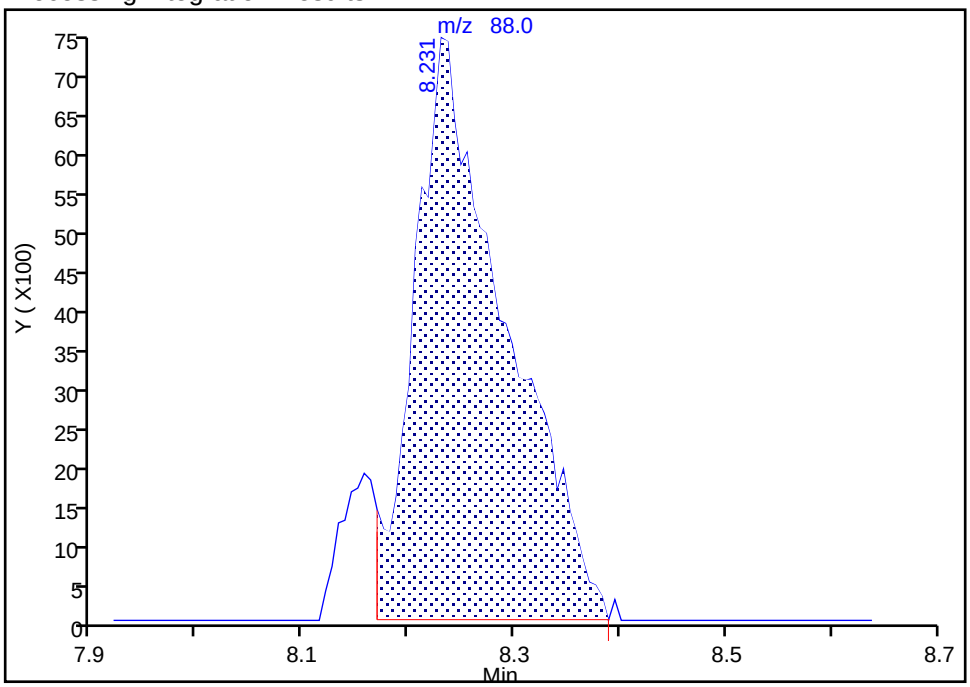
Data File:	\\chromfs\Lancaster\ChromData\23297\20240917-125144.b\4S17X19.D				
Injection Date:	17-Sep-2024 19:08:30	Instrument ID:	23297		
Lims ID:	ICV				
Client ID:					
Operator ID:	jml01693	ALS Bottle#:	12	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

71 1,4-Dioxane, CAS: 123-91-1

Signal: 1

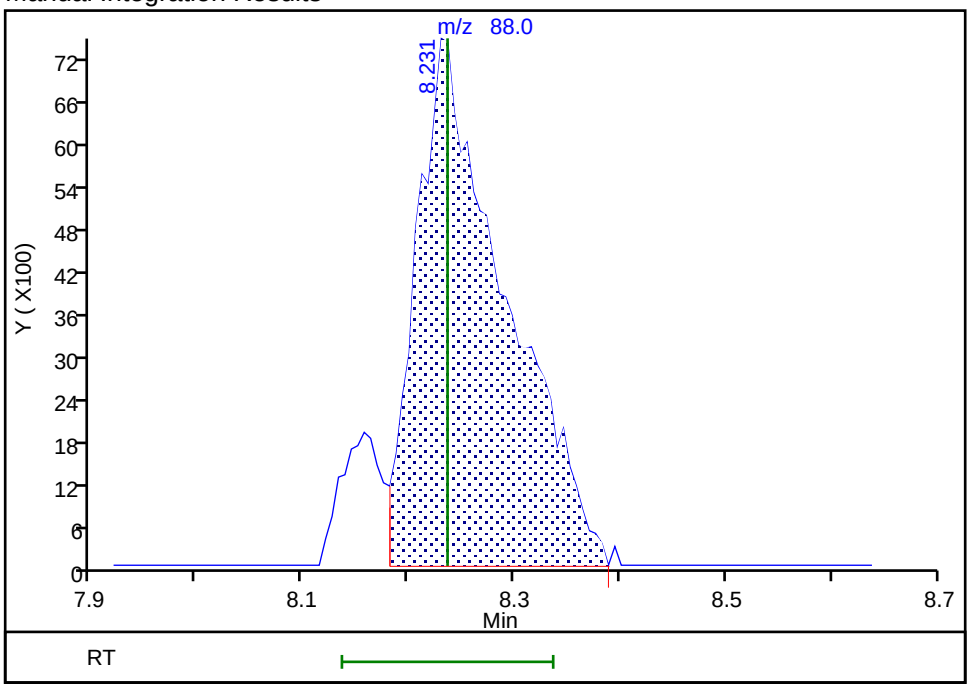
Processing Integration Results

RT: 8.23
Area: 44685
Amount: 490.5224
Amount Units: ug/l



Manual Integration Results

RT: 8.23
Area: 43738
Amount: 480.1268
Amount Units: ug/l



Reviewer: K4WN, 17-Sep-2024 20:43:03 -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.: 410-190105-1

SDG No.:

Lab Sample ID: CCVIS 410-558100/3 Calibration Date: 10/01/2024 21:28

Instrument ID: 23297 Calib Start Date: 09/17/2024 16:08

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 09/17/2024 18:24

Lab File ID: 4C01X32.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	0.4372	0.3280	0.1000	37.5	50.0	-25.0*	20.0
Chloromethane	Ave	0.4484	0.4330	0.1000	48.3	50.0	-3.4	20.0
Vinyl chloride	Ave	0.4185	0.3948	0.1000	47.2	50.0	-5.7	20.0
1,3-Butadiene	Ave	0.4706	0.5526		58.7	50.0	17.4	20.0
Bromomethane	Ave	0.3313	0.3014	0.1000	45.5	50.0	-9.0	20.0
Chloroethane	Ave	0.2239	0.2129	0.1000	47.5	50.0	-4.9	20.0
Dichlorofluoromethane	Ave	0.6645	0.6174		46.5	50.0	-7.1	20.0
Trichlorofluoromethane	Ave	0.5227	0.4341	0.1000	41.5	50.0	-16.9	20.0
n-Pentane	Ave	0.4849	0.3398		35.0	50.0	-29.9*	20.0
Freon 123a	Ave	0.3253	0.2956		45.4	50.0	-9.1	20.0
Acrolein	Ave	1.031	1.255		610	501	21.8*	20.0
1,1-Dichloroethene	Ave	0.2456	0.2264	0.1000	46.1	50.0	-7.8	20.0
Acetone	Ave	0.5895	0.6416	0.1000	109	100	8.8	20.0
Freon 113	Ave	0.2966	0.2384	0.1000	40.2	50.0	-19.6	20.0
2-Propanol	Ave	0.6272	0.6372		254	250	1.6	20.0
Methyl iodide	Ave	0.5613	0.5255		46.8	50.0	-6.4	20.0
Carbon disulfide	Ave	0.9346	0.8803	0.1000	47.1	50.0	-5.8	20.0
Methyl acetate	Ave	0.3254	0.3450	0.1000	53.0	50.0	6.0	20.0
Allyl chloride	Ave	0.4198	0.3619		43.1	50.0	-13.8	20.0
Methylene Chloride	Ave	0.2929	0.2839	0.1000	48.5	50.0	-3.1	20.0
t-Butyl alcohol	Ave	1.035	0.9673		234	250	-6.5	20.0
Acrylonitrile	Ave	0.1733	0.1858		134	125	7.2	20.0
Methyl tert-butyl ether	Ave	0.8462	0.8700	0.1000	51.4	50.0	2.8	20.0
trans-1,2-Dichloroethene	Ave	0.2565	0.2414	0.1000	47.1	50.0	-5.9	20.0
n-Hexane	Ave	0.3444	0.2691		39.1	50.0	-21.9*	20.0
1,1-Dichloroethane	Ave	0.4293	0.4039	0.2000	47.0	50.0	-5.9	20.0
Isopropyl ether	Ave	0.8038	0.7970		49.6	50.0	-0.8	20.0
2-Chloro-1,3-butadiene	Ave	0.3811	0.3375		44.3	50.0	-11.4	20.0
Ethyl t-butyl ether	Ave	0.8138	0.8228		50.6	50.0	1.1	20.0
2-Butanone (MEK)	Ave	0.2713	0.2607	0.1000	96.1	100	-3.9	20.0
cis-1,2-Dichloroethene	Ave	0.3016	0.2789	0.1000	46.2	50.0	-7.5	20.0
2,2-Dichloropropane	Ave	0.4450	0.3853		43.3	50.0	-13.4	20.0
Propionitrile	Ave	0.9418	1.037		275	250	10.1	20.0
Methacrylonitrile	Ave	0.1782	0.1802		126	125	1.1	20.0
Bromochloromethane	Ave	0.1652	0.1549		46.9	50.0	-6.2	20.0
Tetrahydrofuran	Ave	0.9174	0.9208		251	250	0.4	20.0
Chloroform	Ave	0.4653	0.4205	0.2000	45.2	50.0	-9.6	20.0
1,1,1-Trichloroethane	Ave	0.4437	0.3866	0.1000	43.6	50.0	-12.9	20.0
Cyclohexane	Ave	0.4742	0.3864	0.1000	40.7	50.0	-18.5	20.0
1,1-Dichloropropene	Ave	0.3530	0.3188		45.2	50.0	-9.7	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1

SDG No.:

Lab Sample ID: CCVIS 410-558100/3 Calibration Date: 10/01/2024 21:28

Instrument ID: 23297 Calib Start Date: 09/17/2024 16:08

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 09/17/2024 18:24

Lab File ID: 4C01X32.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	0.3845	0.3339	0.1000	43.4	50.0	-13.2	20.0
Isobutyl alcohol	Ave	0.3635	0.3467		596	625	-4.6	20.0
Benzene	Ave	1.045	0.9855	0.5000	47.2	50.0	-5.7	20.0
1,2-Dichloroethane	Ave	0.3627	0.3355	0.1000	46.3	50.0	-7.5	20.0
t-Amyl methyl ether	Ave	0.8000	0.8224		51.4	50.0	2.8	20.0
n-Heptane	Ave	0.3645	0.2816		38.6	50.0	-22.8*	20.0
n-Butanol	Ave	0.2607	0.2514		603	625	-3.6	20.0
Trichloroethene	Ave	0.2787	0.2537	0.2000	45.5	50.0	-9.0	20.0
Methylcyclohexane	Ave	0.5051	0.3968	0.1000	39.3	50.0	-21.4*	20.0
1,2-Dichloropropane	Ave	0.2636	0.2504	0.1000	47.5	50.0	-5.0	20.0
t-Amyl ethyl ether	Ave	0.3973	0.3857		48.5	50.0	-2.9	20.0
1,4-Dioxane	Ave	0.0756	0.0721	0.0050	596	625	-4.7	20.0
Methyl methacrylate	Ave	0.2523	0.2543		50.4	50.0	0.8	20.0
Dibromomethane	Ave	0.1940	0.1877		48.4	50.0	-3.3	20.0
Bromodichloromethane	Ave	0.3451	0.3167	0.2000	45.9	50.0	-8.2	20.0
2-Nitropropane	Ave	1.692	1.500		222	250	-11.4	20.0
2-Chloroethyl vinyl ether	Ave	0.1378	0.1886		68.4	50.0	36.8*	20.0
cis-1,3-Dichloropropene	Ave	0.4293	0.3993	0.2000	46.5	50.0	-7.0	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.5244	0.5039	0.1000	96.1	100	-3.9	20.0
Toluene	Ave	0.8386	0.8039	0.4000	47.9	50.0	-4.1	20.0
trans-1,3-Dichloropropene	Ave	0.5008	0.4735	0.1000	47.3	50.0	-5.4	20.0
Ethyl methacrylate	Ave	0.5698	0.5499		48.3	50.0	-3.5	20.0
1,1,2-Trichloroethane	Ave	0.3353	0.3277	0.1000	48.9	50.0	-2.3	20.0
Tetrachloroethene	Ave	0.3963	0.3596	0.2000	45.4	50.0	-9.3	20.0
1,3-Dichloropropane	Ave	0.5203	0.5138		49.4	50.0	-1.3	20.0
2-Hexanone	Ave	0.4903	0.4737	0.1000	96.6	100	-3.4	20.0
Dibromochloromethane	Ave	0.3952	0.3753		47.5	50.0	-5.0	20.0
1,2-Dibromoethane (EDB)	Ave	0.3662	0.3650	0.1000	49.8	50.0	-0.3	20.0
1-Chlorohexane	Ave	0.4649	0.3886		41.8	50.0	-16.4	20.0
Chlorobenzene	Ave	1.003	0.9454	0.5000	47.1	50.0	-5.7	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3988	0.3775		47.3	50.0	-5.3	20.0
Ethylbenzene	Ave	1.703	1.566	0.1000	46.0	50.0	-8.0	20.0
m&p-Xylene	Ave	0.6827	0.6329	0.1000	92.7	100	-7.3	20.0
o-Xylene	Ave	0.7225	0.6674	0.3000	46.2	50.0	-7.6	20.0
Styrene	Ave	1.109	1.033	0.3000	46.6	50.0	-6.8	20.0
Bromoform	Ave	0.3241	0.2814	0.1000	43.4	50.0	-13.2	20.0
Isopropylbenzene	Ave	1.682	1.561	0.1000	46.4	50.0	-7.2	20.0
1,1,2,2-Tetrachloroethane	Ave	1.027	1.059	0.3000	51.5	50.0	3.1	20.0
Bromobenzene	Ave	0.7596	0.7295		48.0	50.0	-4.0	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2799	0.1557		69.5	125	-44.4*	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1

SDG No.:

Lab Sample ID: CCVIS 410-558100/3 Calibration Date: 10/01/2024 21:28

Instrument ID: 23297 Calib Start Date: 09/17/2024 16:08

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 09/17/2024 18:24

Lab File ID: 4C01X32.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	0.3126	0.3155		50.5	50.0	0.9	20.0
N-Propylbenzene	Ave	3.346	3.218		48.1	50.0	-3.8	20.0
2-Chlorotoluene	Ave	0.7434	0.7227		48.6	50.0	-2.8	20.0
1,3,5-Trimethylbenzene	Ave	2.560	2.569		50.2	50.0	0.3	20.0
4-Chlorotoluene	Ave	0.7345	0.6904		47.0	50.0	-6.0	20.0
tert-Butylbenzene	Ave	0.5042	0.5015		49.7	50.0	-0.5	20.0
1,2,4-Trimethylbenzene	Ave	2.663	2.635		49.5	50.0	-1.1	20.0
sec-Butylbenzene	Ave	3.293	3.288		49.9	50.0	-0.2	20.0
1,3-Dichlorobenzene	Ave	1.521	1.427	0.6000	46.9	50.0	-6.2	20.0
p-Isopropyltoluene	Ave	2.966	2.927		49.3	50.0	-1.3	20.0
1,4-Dichlorobenzene	Ave	1.554	1.450	0.5000	46.7	50.0	-6.7	20.0
1,2,3-Trimethylbenzene	Ave	2.846	2.840		49.9	50.0	-0.2	20.0
Benzyl chloride	Ave	2.125	2.063		48.5	50.0	-2.9	20.0
1,3-Diethylbenzene	Ave	1.727	1.693		49.0	50.0	-2.0	20.0
1,4-Diethylbenzene	Ave	1.876	1.786		47.6	50.0	-4.8	20.0
n-Butylbenzene	Ave	1.435	1.375		47.9	50.0	-4.2	20.0
1,2-Dichlorobenzene	Ave	1.578	1.531	0.4000	48.5	50.0	-3.0	20.0
1,2-Diethylbenzene	Ave	1.490	1.488		50.0	50.0	-0.1	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.3048	0.3094	0.0500	50.8	50.0	1.5	20.0
1,3,5-Trichlorobenzene	Ave	1.268	1.235		48.7	50.0	-2.6	20.0
1,2,4-Trichlorobenzene	Ave	1.209	1.229	0.2000	50.8	50.0	1.7	20.0
Hexachlorobutadiene	Ave	0.4907	0.4689		47.8	50.0	-4.4	20.0
Naphthalene	Ave	4.166	4.613		55.4	50.0	10.7	20.0
1,2,3-Trichlorobenzene	Ave	1.155	1.242		53.8	50.0	7.5	20.0
2-Methylnaphthalene	Ave	1.786	2.308		64.6	50.0	29.2*	20.0
Dibromofluoromethane (Surr)	Ave	0.2641	0.2594		49.1	50.0	-1.8	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0627	0.0614		48.9	50.0	-2.1	20.0
Toluene-d8 (Surr)	Ave	1.284	1.317		51.3	50.0	2.6	20.0
4-Bromofluorobenzene (Surr)	Ave	0.4856	0.4698		48.4	50.0	-3.3	20.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\23297\20241001-126519.b\4C01X32.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 01-Oct-2024 21:28:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0126519-003
Misc. Info.: CCVIS
Operator ID: AGD105956 Instrument ID: 23297
Sublist: chrom-MSVoa_23297*sub50

Method: \\chromfs\Lancaster\ChromData\23297\20241001-126519.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 01-Oct-2024 23:26:10 Calib Date: 17-Sep-2024 18:24:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20240917-125144.b\4S17X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1626

First Level Reviewer: Z6YX Date: 01-Oct-2024 22:03:33

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.788	1.788	0.000	99	202628	50.0	37.5	
4 Chloromethane	50	1.958	1.958	0.000	99	267501	50.0	48.3	
5 Vinyl chloride	62	2.062	2.062	0.000	98	243931	50.0	47.2	
6 Butadiene	39	2.074	2.074	0.000	92	341413	50.0	58.7	
8 Bromomethane	94	2.372	2.372	0.000	90	186175	50.0	45.5	
9 Chloroethane	64	2.445	2.445	0.000	100	131536	50.0	47.5	
10 Dichlorofluoromethane	67	2.664	2.664	0.000	97	381405	50.0	46.5	
11 Trichlorofluoromethane	101	2.725	2.725	0.000	97	268195	50.0	41.5	
12 Pentane	43	2.743	2.743	0.000	96	209915	50.0	35.0	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.017	3.017	0.000	91	182611	50.0	45.4	
16 Acrolein	56	3.078	3.078	0.000	100	643897	501.1	610.3	
18 1,1-Dichloroethene	96	3.218	3.218	0.000	97	139887	50.0	46.1	
17 Acetone	58	3.224	3.224	0.000	96	65677	100.0	108.8	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.260	3.260	0.000	91	147264	50.0	40.2	
20 Isopropyl alcohol	45	3.400	3.400	0.000	99	163070	250.0	254.0	
21 Iodomethane	142	3.400	3.400	0.000	98	324622	50.0	46.8	
22 Carbon disulfide	76	3.504	3.504	0.000	99	543815	50.0	47.1	
24 Methyl acetate	43	3.607	3.607	0.000	98	213152	50.0	53.0	
25 3-Chloro-1-propene	41	3.631	3.631	0.000	90	223552	50.0	43.1	
27 Methylene Chloride	84	3.820	3.820	0.000	94	175402	50.0	48.5	
* 28 t-Butyl alcohol-d10 (IS)	65	3.856	3.856	0.000	94	255900	250.0	250.0	
29 2-Methyl-2-propanol	59	3.960	3.960	0.000	99	247538	250.0	233.7	M
30 Acrylonitrile	53	4.100	4.100	0.000	98	286996	125.0	134.0	
31 Methyl tert-butyl ether	73	4.179	4.179	0.000	95	537494	50.0	51.4	
32 trans-1,2-Dichloroethene	96	4.179	4.179	0.000	99	149136	50.0	47.1	
34 Hexane	57	4.605	4.605	0.000	94	166269	50.0	39.1	
36 1,1-Dichloroethane	63	4.842	4.842	0.000	96	249498	50.0	47.0	
37 Isopropyl ether	45	4.915	4.915	0.000	95	492403	50.0	49.6	
38 2-Chloro-1,3-butadiene	53	4.952	4.952	0.000	90	208503	50.0	44.3	
39 Tert-butyl ethyl ether	59	5.456	5.456	0.000	97	508332	50.0	50.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 2-Butanone (MEK)	43	5.663	5.663	0.000	100	322085	100.0	96.1	
41 cis-1,2-Dichloroethene	96	5.688	5.688	0.000	81	172271	50.0	46.2	
42 2,2-Dichloropropane	77	5.706	5.706	0.000	88	238055	50.0	43.3	
44 Propionitrile	54	5.748	5.748	0.000	99	265383	250.0	275.3	
46 Methacrylonitrile	67	5.974	5.974	0.000	94	278295	125.0	126.4	
47 Chlorobromomethane	128	6.022	6.022	0.000	90	95724	50.0	46.9	
48 Tetrahydrofuran	71	6.040	6.040	0.000	92	235629	250.0	250.9	
50 Chloroform	83	6.180	6.180	0.000	93	259808	50.0	45.2	
$ 51 Dibromofluoromethane (Surr)	113	6.405	6.405	0.000	94	160240	50.0	49.1	
52 1,1,1-Trichloroethane	97	6.412	6.412	0.000	98	238843	50.0	43.6	
53 Cyclohexane	56	6.509	6.509	0.000	90	238713	50.0	40.7	
54 Carbon tetrachloride	117	6.631	6.631	0.000	96	206293	50.0	43.4	
55 1,1-Dichloropropene	75	6.631	6.631	0.000	96	196969	50.0	45.2	
56 Isobutyl alcohol	41	6.813	6.813	0.000	94	221810	625.0	596.1	
$ 57 1,2-Dichloroethane-d4 (Surr)	102	6.862	6.862	0.000	99	37918	50.0	48.9	
58 Benzene	78	6.898	6.898	0.000	96	608832	50.0	47.2	
59 1,2-Dichloroethane	62	6.971	6.971	0.000	97	207276	50.0	46.3	
61 Tert-amyl methyl ether	73	7.099	7.099	0.000	99	508049	50.0	51.4	
* 62 Fluorobenzene (IS)	96	7.312	7.312	0.000	99	617782	50.0	50.0	
63 n-Heptane	43	7.336	7.336	0.000	93	173944	50.0	38.6	
64 n-Butanol	56	7.713	7.713	0.000	90	160836	625.0	602.7	
65 Trichloroethene	95	7.799	7.799	0.000	97	156736	50.0	45.5	
68 Methylcyclohexane	83	8.109	8.109	0.000	92	245159	50.0	39.3	
69 1,2-Dichloropropane	63	8.127	8.127	0.000	97	154690	50.0	47.5	
70 2-ethoxy-2-methyl butane	87	8.151	8.151	0.000	94	238273	50.0	48.5	
71 1,4-Dioxane	88	8.231	8.231	0.000	33	46128	625.0	595.7	
72 Methyl methacrylate	69	8.231	8.231	0.000	93	157090	50.0	50.4	
73 Dibromomethane	93	8.243	8.243	0.000	93	115961	50.0	48.4	
75 Dichlorobromomethane	83	8.486	8.486	0.000	100	195657	50.0	45.9	
76 2-Nitropropane	41	8.760	8.760	0.000	99	383748	250.0	221.5	
77 2-Chloroethyl vinyl ether	63	8.863	8.863	0.000	92	116492	50.0	68.4	
78 cis-1,3-Dichloropropene	75	9.052	9.052	0.000	96	246692	50.0	46.5	
79 4-Methyl-2-pentanone (MIBK)	43	9.240	9.240	0.000	97	622644	100.0	96.1	
$ 80 Toluene-d8 (Surr)	98	9.380	9.380	0.000	93	619698	50.0	51.3	
81 Toluene	92	9.466	9.466	0.000	98	378241	50.0	47.9	
82 trans-1,3-Dichloropropene	75	9.739	9.739	0.000	92	222783	50.0	47.3	
83 Ethyl methacrylate	69	9.818	9.818	0.000	90	258726	50.0	48.3	
101 1,1,2-Trichloroethane	97	9.952	9.952	0.000	90	154177	50.0	48.9	
117 Tetrachloroethene	166	10.043	10.043	0.000	96	169183	50.0	45.4	
121 1,3-Dichloropropane	76	10.123	10.123	0.000	91	241732	50.0	49.4	
123 2-Hexanone	43	10.183	10.183	0.000	96	445751	100.0	96.6	
126 Chlorodibromomethane	129	10.342	10.342	0.000	89	176587	50.0	47.5	
127 Ethylene Dibromide	107	10.451	10.451	0.000	98	171710	50.0	49.8	
* 129 Chlorobenzene-d5 (IS)	117	10.901	10.901	0.000	84	470487	50.0	50.0	
130 1-Chlorohexane	91	10.919	10.919	0.000	98	182846	50.0	41.8	
131 Chlorobenzene	112	10.932	10.932	0.000	96	444815	50.0	47.1	
132 1,1,1,2-Tetrachloroethane	131	11.017	11.017	0.000	97	177620	50.0	47.3	
133 Ethylbenzene	91	11.023	11.023	0.000	98	736954	50.0	46.0	
134 m-Xylene & p-Xylene	106	11.145	11.145	0.000	100	595551	100.0	92.7	
136 o-Xylene	106	11.479	11.479	0.000	95	314010	50.0	46.2	
138 Styrene	104	11.491	11.491	0.000	95	486163	50.0	46.6	M
139 Bromoform	173	11.650	11.650	0.000	98	132410	50.0	43.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
140 Isopropylbenzene	105	11.783	11.783	0.000	95	734566	50.0	46.4	
$ 143 4-Bromofluorobenzene (Surr)	95	11.929	11.929	0.000	93	221018	50.0	48.4	
144 1,1,2,2-Tetrachloroethane	83	12.033	12.033	0.000	94	294729	50.0	51.5	
145 Bromobenzene	156	12.045	12.045	0.000	93	203121	50.0	48.0	
146 trans-1,4-Dichloro-2-butene	53	12.057	12.057	0.000	85	108380	125.0	69.5	
147 1,2,3-Trichloropropane	110	12.075	12.075	0.000	83	87847	50.0	50.5	
148 N-Propylbenzene	91	12.118	12.118	0.000	98	896087	50.0	48.1	
149 2-Chlorotoluene	126	12.191	12.191	0.000	98	201221	50.0	48.6	
150 1,3,5-Trimethylbenzene	105	12.258	12.258	0.000	94	715224	50.0	50.2	
151 4-Chlorotoluene	126	12.288	12.288	0.000	96	192230	50.0	47.0	
154 tert-Butylbenzene	134	12.501	12.501	0.000	92	139645	50.0	49.7	
156 1,2,4-Trimethylbenzene	105	12.544	12.544	0.000	97	733595	50.0	49.5	
157 sec-Butylbenzene	105	12.665	12.665	0.000	94	915536	50.0	49.9	
158 1,3-Dichlorobenzene	146	12.763	12.763	0.000	98	397339	50.0	46.9	
159 4-Isopropyltoluene	119	12.781	12.781	0.000	97	815041	50.0	49.3	
* 160 1,4-Dichlorobenzene-d4	152	12.818	12.818	0.000	93	278439	50.0	50.0	
161 1,4-Dichlorobenzene	146	12.836	12.836	0.000	95	403670	50.0	46.7	
163 1,2,3-Trimethylbenzene	105	12.854	12.854	0.000	97	790837	50.0	49.9	
164 Benzyl chloride	91	12.915	12.915	0.000	98	574453	50.0	48.5	
165 1,3-Diethylbenzene	119	12.982	12.982	0.000	96	471304	50.0	49.0	
166 p-Diethylbenzene	119	13.055	13.055	0.000	95	497240	50.0	47.6	
167 n-Butylbenzene	92	13.073	13.073	0.000	97	382787	50.0	47.9	
168 1,2-Dichlorobenzene	146	13.097	13.097	0.000	99	426259	50.0	48.5	
169 o-diethylbenzene	119	13.128	13.128	0.000	93	414356	50.0	50.0	
171 1,2-Dibromo-3-Chloropropane	75	13.639	13.639	0.000	90	86156	50.0	50.8	
172 1,3,5-Trichlorobenzene	180	13.773	13.773	0.000	98	343989	50.0	48.7	
173 1,2,4-Trichlorobenzene	180	14.199	14.199	0.000	94	342273	50.0	50.8	
175 Hexachlorobutadiene	225	14.284	14.284	0.000	97	130548	50.0	47.8	
176 Naphthalene	128	14.375	14.375	0.000	96	1284471	50.0	55.4	
177 1,2,3-Trichlorobenzene	180	14.521	14.521	0.000	96	345759	50.0	53.8	
178 2-Methylnaphthalene	142	15.117	15.117	0.000	92	642586	50.0	64.6	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_VOC#1_00203	Amount Added:	5.00	Units: uL	
MSV_CCV_VOC#3_00200	Amount Added:	4.00	Units: uL	
MSV_CCV_2CEVE_00195	Amount Added:	5.00	Units: uL	
MSV_CCV_GASES_00881	Amount Added:	2.50	Units: uL	
MSV_HP04_ISSS_00003	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 01-Oct-2024 23:26:10 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20241001-126519.b\4C01X32.D

Injection Date: 01-Oct-2024 21:28:30 Instrument ID: 23297 Operator ID: AGD105956

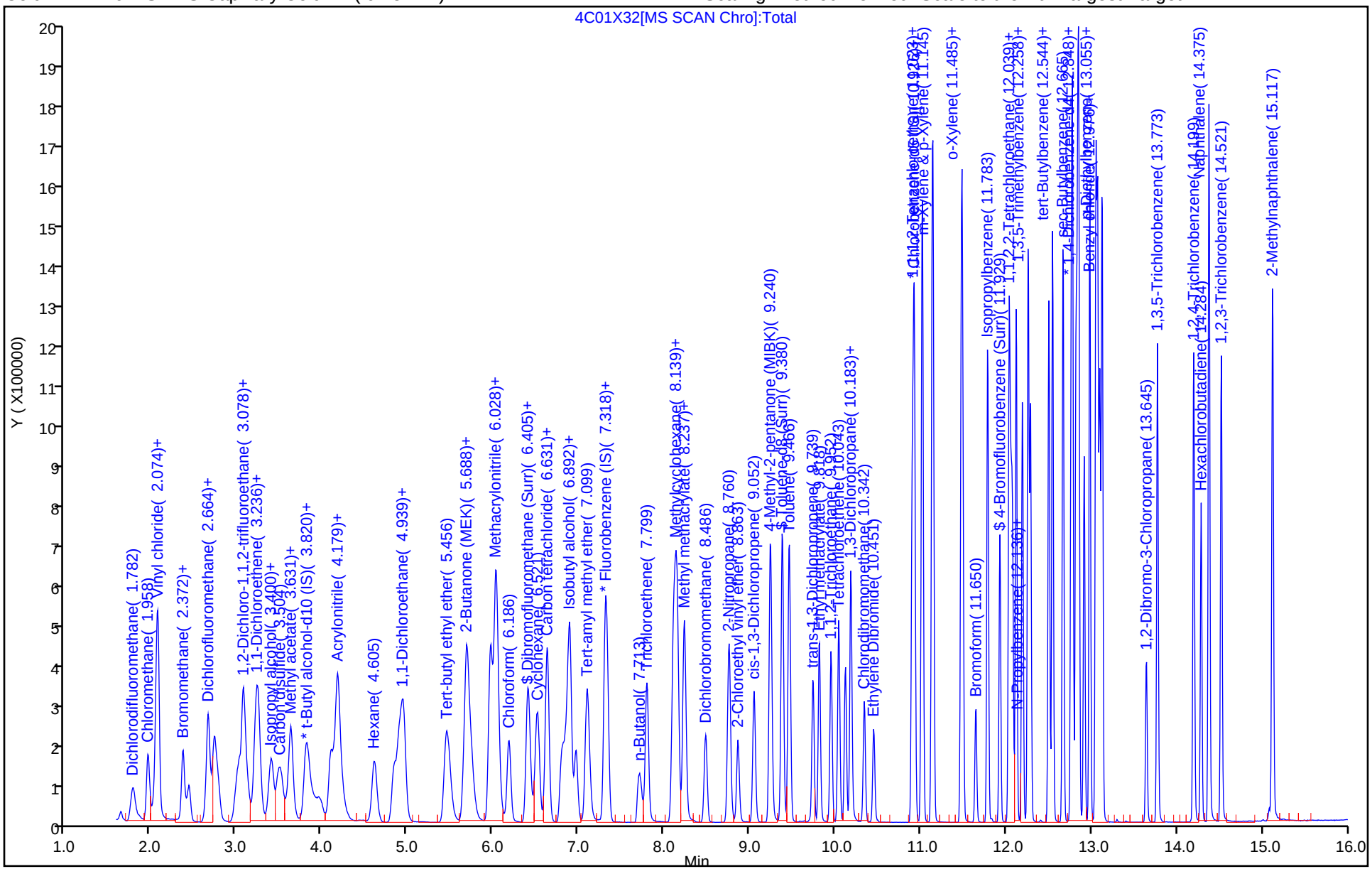
Lims ID: CCVIS Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 2

Method: MSVoa_23297 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

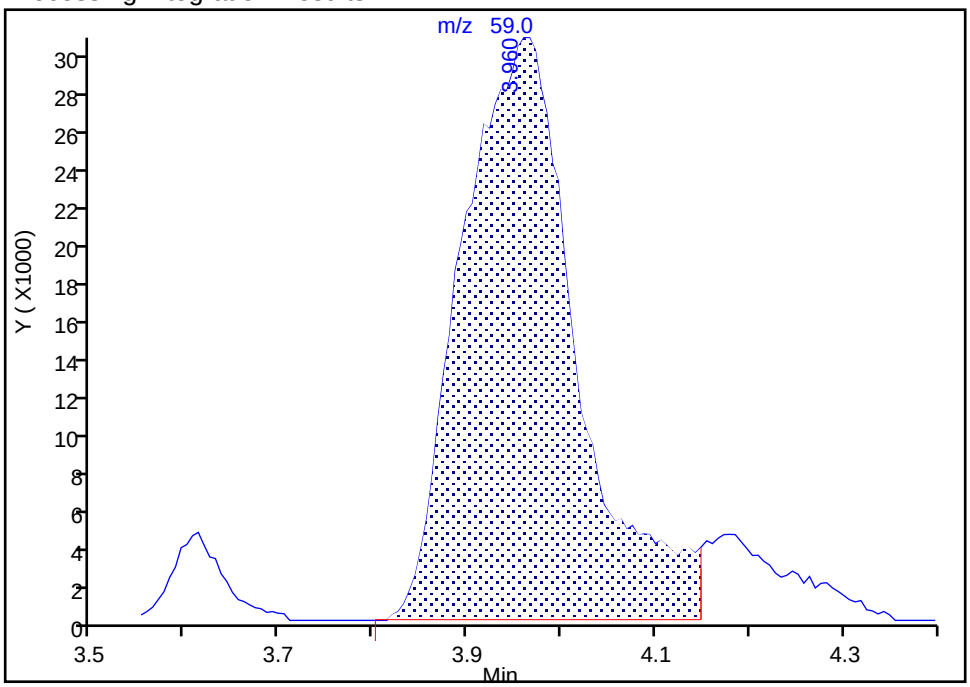
Data File: \\chromfs\Lancaster\ChromData\23297\20241001-126519.b\4C01X32.D
Injection Date: 01-Oct-2024 21:28:30 Instrument ID: 23297
Lims ID: CCVIS
Client ID:
Operator ID: AGD105956 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

29 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

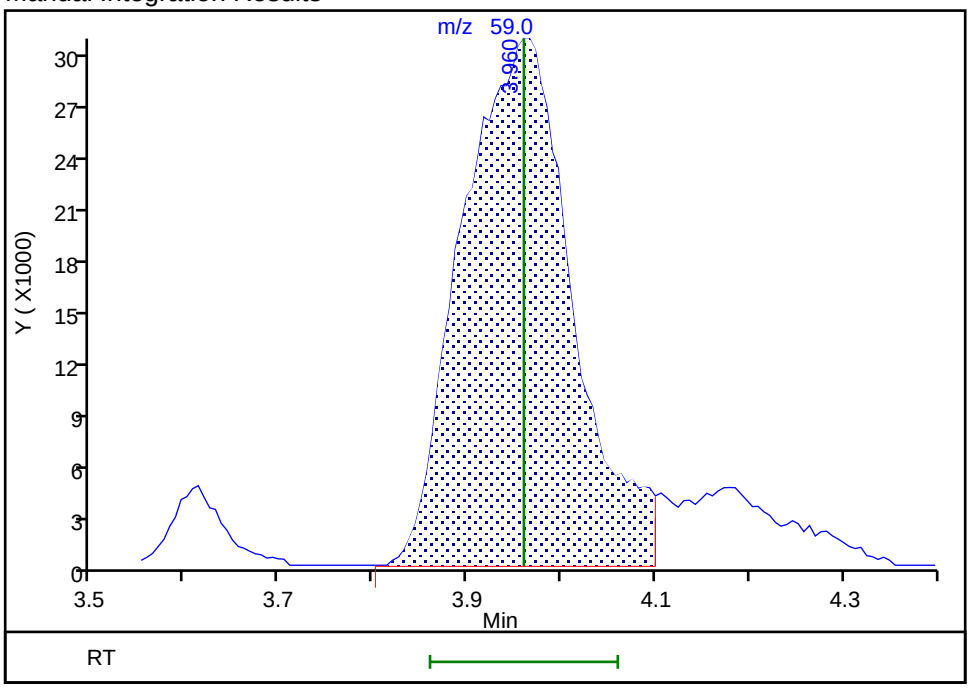
Processing Integration Results

RT: 3.96
Area: 258330
Amount: 243.9108
Amount Units: ug/l



Manual Integration Results

RT: 3.96
Area: 247538
Amount: 233.7212
Amount Units: ug/l



Reviewer: Z6YX, 01-Oct-2024 22:00:22 -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

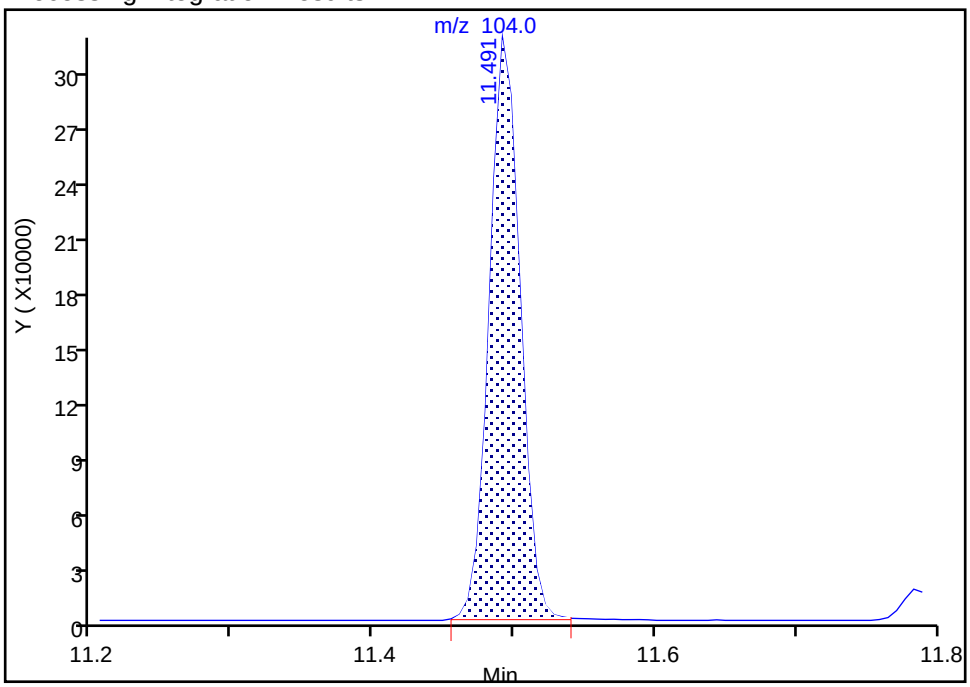
Data File: \\chromfs\Lancaster\ChromData\23297\20241001-126519.b\4C01X32.D
Injection Date: 01-Oct-2024 21:28:30 Instrument ID: 23297
Lims ID: CCVIS
Client ID:
Operator ID: AGD105956 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

138 Styrene, CAS: 100-42-5

Signal: 1

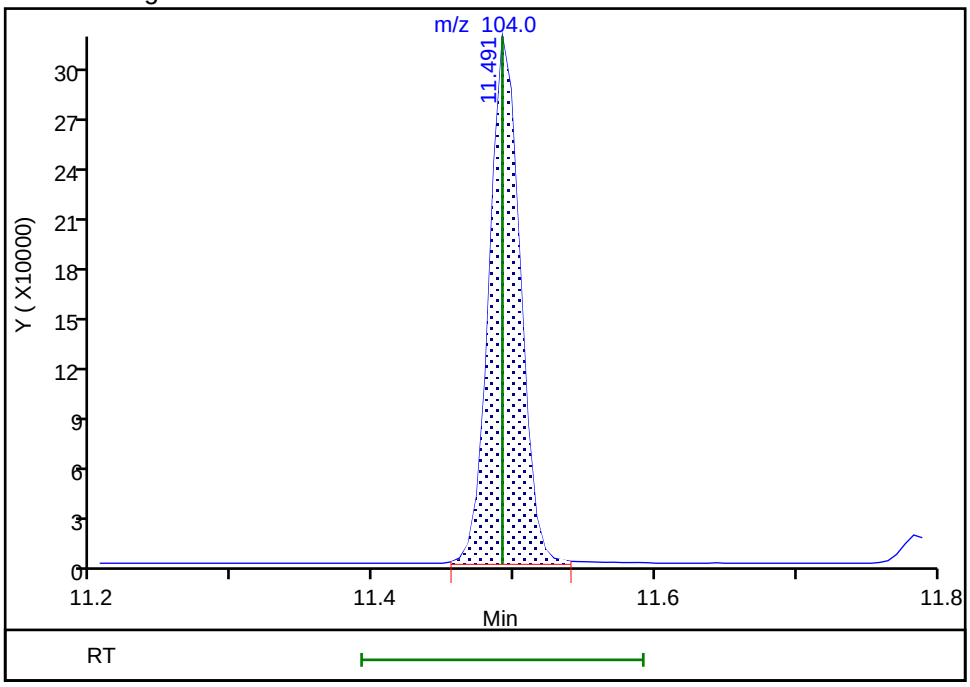
Processing Integration Results

RT: 11.49
Area: 483798
Amount: 46.358847
Amount Units: ug/l



Manual Integration Results

RT: 11.49
Area: 486163
Amount: 46.585468
Amount Units: ug/l



Reviewer: Z6YX, 01-Oct-2024 22:02:54 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1

SDG No.:

Lab Sample ID: ICV 410-557456/20 Calibration Date: 10/01/2024 01:24

Instrument ID: 9137 Calib Start Date: 09/30/2024 22:30

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 10/01/2024 00:40

Lab File ID: WS30X19.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	0.5639	0.4290	0.1000	15.2	20.0	-23.9	30.0
Chloromethane	Ave	0.5425	0.4129	0.1000	15.2	20.0	-23.9	30.0
Vinyl chloride	Ave	0.5372	0.4505	0.1000	16.8	20.0	-16.1	30.0
1,3-Butadiene	Ave	0.5451	0.4090		15.0	20.0	-25.0	30.0
Bromomethane	Ave	0.3829	0.3144	0.1000	16.4	20.0	-17.9	30.0
Chloroethane	Ave	0.2694	0.2424	0.1000	18.0	20.0	-10.0	30.0
Dichlorofluoromethane	Ave	0.8093	0.6850		16.9	20.0	-15.4	30.0
Trichlorofluoromethane	Ave	0.6470	0.5607	0.1000	17.3	20.0	-13.3	30.0
n-Pentane	Ave	0.4570	0.4568		20.0	20.0	-0.0	30.0
Ethanol	Ave	0.0621	0.0652		1050	1000	5.0	30.0
Freon 123a	Ave	0.3924	0.3768		19.2	20.0	-4.0	30.0
Acrolein	Ave	1.271	1.357		161	150	6.8	30.0
1,1-Dichloroethene	Ave	0.2611	0.3146	0.1000	24.1	20.0	20.5	30.0
Acetone	Ave	0.7621	0.8001	0.1000	262	250	5.0	30.0
Freon 113	Ave	0.3206	0.3408	0.1000	21.3	20.0	6.3	30.0
2-Propanol	Ave	0.7807	0.7448		143	150	-4.6	30.0
Methyl iodide	Ave	0.5273	0.5282		20.0	20.0	0.2	30.0
Carbon disulfide	Ave	0.9092	0.9505	0.1000	20.9	20.0	4.5	30.0
Methyl acetate	Ave	0.3354	0.3346	0.1000	19.9	20.0	-0.3	30.0
Allyl chloride	Ave	0.3801	0.3590		18.9	20.0	-5.5	30.0
Methylene Chloride	Ave	0.3015	0.3151	0.1000	20.9	20.0	4.5	30.0
t-Butyl alcohol	Ave	1.106	1.013		183	200	-8.5	30.0
Acrylonitrile	Ave	0.1771	0.1720		97.2	100	-2.8	30.0
Methyl tert-butyl ether	Ave	0.9237	0.8699	0.1000	18.8	20.0	-5.8	30.0
trans-1,2-Dichloroethene	Ave	0.2491	0.2701	0.1000	21.7	20.0	8.4	30.0
n-Hexane	Ave	0.3155	0.3341		21.2	20.0	5.9	30.0
1,1-Dichloroethane	Ave	0.4242	0.4556	0.2000	21.5	20.0	7.4	30.0
Isopropyl ether	Ave	0.8279	0.7782		18.8	20.0	-6.0	30.0
2-Chloro-1,3-butadiene	Ave	0.3835	0.3784		19.7	20.0	-1.3	30.0
Ethyl t-butyl ether	Ave	0.8793	0.8368		19.0	20.0	-4.8	30.0
2-Butanone (MEK)	Ave	0.2380	0.2174	0.1000	228	250	-8.7	30.0
cis-1,2-Dichloroethene	Ave	0.2848	0.2917	0.1000	20.5	20.0	2.4	30.0
2,2-Dichloropropane	Ave	0.4615	0.4755		20.6	20.0	3.0	30.0
Propionitrile	Ave	1.245	1.174		141	150	-5.7	30.0
Methyl acrylate	Ave	0.4202	0.4479		21.3	20.0	6.6	30.0
Methacrylonitrile	Ave	0.1740	0.1695		146	150	-2.5	30.0
Bromochloromethane	Ave	0.1484	0.1488		20.1	20.0	0.3	30.0
Tetrahydrofuran	Ave	1.086	0.9856		90.7	100	-9.3	30.0
Chloroform	Ave	0.4184	0.4397	0.2000	21.0	20.0	5.1	30.0
1,1,1-Trichloroethane	Ave	0.4440	0.4917	0.1000	22.2	20.0	10.8	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1

SDG No.:

Lab Sample ID: ICV 410-557456/20 Calibration Date: 10/01/2024 01:24

Instrument ID: 9137 Calib Start Date: 09/30/2024 22:30

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 10/01/2024 00:40

Lab File ID: WS30X19.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
Cyclohexane	Ave	0.5279	0.5601	0.1000	21.2	20.0	6.1	30.0
1,1-Dichloropropene	Ave	0.3685	0.3848		20.9	20.0	4.4	30.0
Carbon tetrachloride	Ave	0.3707	0.4075	0.1000	22.0	20.0	9.9	30.0
Isobutyl alcohol	Ave	0.3688	0.3132		425	500	-15.1	30.0
Benzene	Ave	1.055	1.087	0.5000	20.6	20.0	3.1	30.0
1,2-Dichloroethane	Ave	0.3332	0.3292	0.1000	19.8	20.0	-1.2	30.0
t-Amyl methyl ether	Ave	0.8623	0.8322		19.3	20.0	-3.5	30.0
n-Heptane	Ave	0.2813	0.2911		20.7	20.0	3.4	30.0
n-Butanol	Ave	0.2745	0.2597		946	1000	-5.4	30.0
Trichloroethene	Ave	0.2801	0.2865	0.2000	20.5	20.0	2.3	30.0
Ethyl acrylate	Ave	0.4356	0.4440		20.4	20.0	1.9	30.0
Methylcyclohexane	Ave	0.4871	0.5073	0.1000	20.8	20.0	4.2	30.0
t-Amyl ethyl ether	Ave	0.4109	0.3908		19.0	20.0	-4.9	30.0
1,2-Dichloropropane	Ave	0.2673	0.2774	0.1000	20.8	20.0	3.8	30.0
Methyl methacrylate	Ave	0.2559	0.2347		18.3	20.0	-8.3	30.0
1,4-Dioxane	Ave	0.0782	0.0710	0.0050	454	500	-9.1	30.0
Dibromomethane	Ave	0.1806	0.1782		19.7	20.0	-1.3	30.0
Bromodichloromethane	Ave	0.3079	0.3093	0.2000	20.1	20.0	0.5	30.0
2-Nitropropane	Ave	1.770	1.448		16.4	20.0	-18.2	30.0
2-Chloroethyl vinyl ether	Ave	0.1887	0.1893		20.1	20.0	0.3	30.0
cis-1,3-Dichloropropene	Ave	0.4109	0.3846	0.2000	18.7	20.0	-6.4	30.0
4-Methyl-2-pentanone (MIBK)	Ave	0.4552	0.4620	0.1000	254	250	1.5	30.0
Toluene	Ave	0.8767	0.9243	0.4000	21.1	20.0	5.4	30.0
trans-1,3-Dichloropropene	Ave	0.4913	0.4794	0.1000	19.5	20.0	-2.4	30.0
Ethyl methacrylate	Ave	0.5888	0.5678		19.3	20.0	-3.6	30.0
1,1,2-Trichloroethane	Ave	0.3325	0.3300	0.1000	19.9	20.0	-0.7	30.0
Tetrachloroethene	Ave	0.3632	0.3987	0.2000	22.0	20.0	9.8	30.0
1,3-Dichloropropane	Ave	0.5464	0.5353		19.6	20.0	-2.0	30.0
2-Hexanone	Ave	0.4265	0.4288	0.1000	251	250	0.5	30.0
Dibromochloromethane	Ave	0.3377	0.3262		19.3	20.0	-3.4	30.0
1,2-Dibromoethane (EDB)	Ave	0.3596	0.3500	0.1000	19.5	20.0	-2.6	30.0
1-Chlorohexane	Ave	0.4739	0.4969		21.0	20.0	4.8	30.0
Chlorobenzene	Ave	0.9913	1.023	0.5000	20.6	20.0	3.2	30.0
1,1,1,2-Tetrachloroethane	Ave	0.3736	0.3884		20.8	20.0	4.0	30.0
Ethylbenzene	Ave	1.762	1.871	0.1000	21.2	20.0	6.2	30.0
m&p-Xylene	Ave	0.6965	0.7383	0.1000	42.4	40.0	6.0	30.0
n-Butyl acrylate	Ave	0.8363	0.9217		22.0	20.0	10.2	30.0
o-Xylene	Ave	0.7282	0.7685	0.3000	21.1	20.0	5.5	30.0
Styrene	Ave	1.113	1.164	0.3000	20.9	20.0	4.6	30.0
Bromoform	Ave	0.2607	0.2533	0.1000	19.4	20.0	-2.8	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1

SDG No.:

Lab Sample ID: ICV 410-557456/20 Calibration Date: 10/01/2024 01:24

Instrument ID: 9137 Calib Start Date: 09/30/2024 22:30

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 10/01/2024 00:40

Lab File ID: WS30X19.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
Isopropylbenzene	Ave	1.656	2.055	0.1000	24.8	20.0	24.1	30.0
Cyclohexanone	Ave	0.2628	0.2625		499	500	-0.1	30.0
1,1,2,2-Tetrachloroethane	Ave	1.138	1.123	0.3000	19.7	20.0	-1.3	30.0
Bromobenzene	Ave	0.7774	0.7900		20.3	20.0	1.6	30.0
trans-1,4-Dichloro-2-butene	Ave	0.3004	0.2957		98.5	100	-1.5	30.0
1,2,3-Trichloropropane	Ave	0.3547	0.3404		19.2	20.0	-4.0	30.0
N-Propylbenzene	Ave	3.608	3.909		21.7	20.0	8.3	30.0
2-Chlorotoluene	Ave	0.7923	0.8378		21.1	20.0	5.7	30.0
1,3,5-Trimethylbenzene	Ave	2.673	2.860		21.4	20.0	7.0	30.0
4-Chlorotoluene	Ave	0.7556	0.7972		21.1	20.0	5.5	30.0
tert-Butylbenzene	Ave	0.5031	0.5247		20.9	20.0	4.3	30.0
1,2,4-Trimethylbenzene	Ave	2.770	2.917		21.1	20.0	5.3	30.0
sec-Butylbenzene	Ave	3.231	3.493		21.6	20.0	8.1	30.0
1,3-Dichlorobenzene	Ave	1.449	1.495	0.6000	20.6	20.0	3.2	30.0
p-Isopropyltoluene	Ave	2.854	3.029		21.2	20.0	6.2	30.0
1,4-Dichlorobenzene	Ave	1.485	1.539	0.5000	20.7	20.0	3.6	30.0
1,2,3-Trimethylbenzene	Ave	2.981	3.060		20.5	20.0	2.7	30.0
Benzyl chloride	Ave	2.219	2.173		19.6	20.0	-2.1	30.0
1,3-Diethylbenzene	Ave	1.659	1.821		21.9	20.0	9.7	30.0
1,4-Diethylbenzene	Ave	1.742	1.896		21.8	20.0	8.9	30.0
n-Butylbenzene	Ave	1.346	1.446		21.5	20.0	7.4	30.0
1,2-Dichlorobenzene	Ave	1.546	1.606	0.4000	20.8	20.0	3.8	30.0
1,2-Diethylbenzene	Ave	1.410	1.455		20.6	20.0	3.2	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.3391	0.3169	0.0500	18.7	20.0	-6.6	30.0
1,3,5-Trichlorobenzene	Ave	1.086	1.149		21.2	20.0	5.8	30.0
1,2,4-Trichlorobenzene	Ave	1.103	1.169	0.2000	21.2	20.0	6.0	30.0
2-Ethylhexyl acrylate	Ave	1.025	1.152		22.5	20.0	12.4	30.0
Hexachlorobutadiene	Ave	0.3626	0.3943		21.8	20.0	8.8	30.0
Naphthalene	Ave	4.690	4.861		20.7	20.0	3.6	30.0
1,2,3-Trichlorobenzene	Ave	1.142	1.167		20.4	20.0	2.2	30.0
2-Methylnaphthalene	Ave	2.256	2.612		23.1	20.0	15.7	30.0
Dibromofluoromethane (Surr)	Ave	0.2402	0.2371		49.4	50.0	-1.3	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0627	0.0618		49.3	50.0	-1.4	30.0
Toluene-d8 (Surr)	Ave	1.320	1.332		50.4	50.0	0.9	30.0
4-Bromofluorobenzene (Surr)	Ave	0.4963	0.5064		51.0	50.0	2.0	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9137\20240930-126367.b\WS30X19.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 01-Oct-2024 01:24:30 ALS Bottle#: 19 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0126367-020
Misc. Info.: ICV
Operator ID: MCD07824 Instrument ID: 9137
Sublist:

Method: \\chromfs\Lancaster\ChromData\9137\20240930-126367.b\MSVoa_9137.m
Limit Group: MSV - 8260C_D
Last Update: 01-Oct-2024 09:16:56 Calib Date: 01-Oct-2024 00:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9137\20240930-126367.b\WS30X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1618

First Level Reviewer: DVW2 Date: 01-Oct-2024 08:20:57

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
6 Dichlorodifluoromethane	85	2.011	2.014	-0.003	98	177502	20.0	15.2	
7 Chloromethane	50	2.210	2.210	0.000	100	170855	20.0	15.2	
8 Vinyl chloride	62	2.329	2.326	0.003	98	186403	20.0	16.8	
9 Butadiene	39	2.351	2.351	0.000	95	169237	20.0	15.0	
11 Bromomethane	94	2.688	2.688	0.000	90	130092	20.0	16.4	
12 Chloroethane	64	2.772	2.768	0.004	100	100302	20.0	18.0	
13 Dichlorofluoromethane	67	3.041	3.038	0.003	98	283458	20.0	16.9	
14 Trichlorofluoromethane	101	3.109	3.102	0.007	98	232030	20.0	17.3	
15 Pentane	43	3.137	3.134	0.003	95	189005	20.0	20.0	
17 Ethanol	45	3.266	3.263	0.003	90	92485	999.9	1050.3	
18 1,2-Dichloro-1,1,2-trifluoroetha	67	3.458	3.445	0.013	91	155914	20.0	19.2	
19 Acrolein	56	3.539	3.532	0.007	99	289382	150.3	160.5	
21 1,1-Dichloroethene	96	3.686	3.686	0.000	98	130190	20.0	24.1	
22 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.712	3.712	0.000	64	141014	20.0	21.3	
20 Acetone	58	3.705	3.712	-0.007	100	283746	250.0	262.5	
25 Iodomethane	142	3.895	3.888	0.007	97	218560	20.0	20.0	
23 Isopropyl alcohol	45	3.888	3.891	-0.003	47	158474	150.0	143.1	
26 Carbon disulfide	76	4.010	4.010	0.000	99	393324	20.0	20.9	
28 Methyl acetate	43	4.145	4.148	-0.003	95	138443	20.0	19.9	
27 3-Chloro-1-propene	41	4.171	4.171	0.000	94	148572	20.0	18.9	
30 Methylene Chloride	84	4.386	4.379	0.007	89	130390	20.0	20.9	
* 32 t-Butyl alcohol-d10 (IS)	65	4.395	4.418	-0.023	58	354643	250.0	250.0	
33 2-Methyl-2-propanol	59	4.565	4.556	0.009	97	287285	200.0	183.1	
34 Acrylonitrile	53	4.732	4.729	0.003	98	355899	100.0	97.2	
35 trans-1,2-Dichloroethene	96	4.793	4.790	0.003	99	111753	20.0	21.7	
36 Methyl tert-butyl ether	73	4.793	4.793	0.000	88	359957	20.0	18.8	
37 Hexane	57	5.220	5.223	-0.003	92	138238	20.0	21.2	
38 1,1-Dichloroethane	63	5.461	5.464	-0.003	97	188538	20.0	21.5	
40 Isopropyl ether	45	5.522	5.515	0.007	93	322018	20.0	18.8	
41 2-Chloro-1,3-butadiene	53	5.563	5.570	-0.007	90	156567	20.0	19.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
42 Tert-butyl ethyl ether	59	6.061	6.061	0.000	97	346277	20.0	19.0	
44 2-Butanone (MEK)	43	6.279	6.272	0.007	99	1124734	250.0	228.4	
43 cis-1,2-Dichloroethene	96	6.301	6.301	0.000	84	120712	20.0	20.5	
45 2,2-Dichloropropane	77	6.324	6.321	0.003	86	196740	20.0	20.6	
47 Propionitrile	54	6.375	6.372	0.003	95	249857	150.0	141.5	
48 Methyl acrylate	55	6.388	6.394	-0.006	99	185135	20.0	21.3	
49 Methacrylonitrile	67	6.584	6.584	0.000	93	526123	150.0	146.2	
50 Chlorobromomethane	128	6.629	6.629	0.000	90	61582	20.0	20.1	
51 Tetrahydrofuran	71	6.645	6.638	0.007	78	139818	100.0	90.7	
52 Chloroform	83	6.780	6.780	0.000	94	181945	20.0	21.0	
$ 54 Dibromofluoromethane (Surr)	113	6.998	6.994	0.004	94	245302	50.0	49.4	
55 1,1,1-Trichloroethane	97	7.007	7.014	-0.007	97	203466	20.0	22.2	
56 Cyclohexane	56	7.100	7.100	0.000	91	231757	20.0	21.2	
58 Carbon tetrachloride	117	7.219	7.213	0.006	97	168617	20.0	22.0	
57 1,1-Dichloropropene	75	7.219	7.219	0.000	96	159211	20.0	20.9	
59 Isobutyl alcohol	41	7.392	7.396	-0.004	96	222141	500.0	424.6	
$ 60 1,2-Dichloroethane-d4 (Surr)	102	7.463	7.460	0.003	75	63939	50.0	49.3	
61 Benzene	78	7.486	7.485	0.001	97	449963	20.0	20.6	
62 1,2-Dichloroethane	62	7.559	7.562	-0.003	98	136235	20.0	19.8	
64 Tert-amyl methyl ether	73	7.681	7.678	0.003	99	344382	20.0	19.3	
* 65 Fluorobenzene (IS)	96	7.890	7.893	-0.003	99	1034493	50.0	50.0	
66 n-Heptane	43	7.893	7.896	-0.003	81	120438	20.0	20.7	
67 n-Butanol	56	8.265	8.268	-0.003	91	368367	1000.0	946.0	
68 Trichloroethene	95	8.371	8.368	0.003	96	118556	20.0	20.5	
69 Ethyl acrylate	55	8.477	8.480	-0.003	98	183704	20.0	20.4	
70 Methylcyclohexane	83	8.670	8.673	-0.003	90	209927	20.0	20.8	
71 1,2-Dichloropropane	63	8.702	8.702	0.000	72	114803	20.0	20.8	
72 2-ethoxy-2-methyl butane	87	8.698	8.708	-0.010	91	161727	20.0	19.0	
74 Methyl methacrylate	69	8.785	8.785	0.000	92	97132	20.0	18.3	
75 1,4-Dioxane	88	8.795	8.801	-0.006	45	50384	500.0	454.3	
73 Dibromomethane	93	8.814	8.811	0.003	97	73752	20.0	19.7	
77 Dichlorobromomethane	83	9.051	9.051	0.000	100	127978	20.0	20.1	
78 2-Nitropropane	41	9.327	9.327	0.000	96	41077	20.0	16.4	
79 2-Chloroethyl vinyl ether	63	9.404	9.401	0.003	92	78346	20.0	20.1	
81 cis-1,3-Dichloropropene	75	9.587	9.584	0.003	92	159140	20.0	18.7	
83 4-Methyl-2-pentanone (MIBK)	43	9.757	9.761	-0.004	96	2389839	250.0	253.7	
$ 84 Toluene-d8 (Surr)	98	9.886	9.886	0.000	93	1035922	50.0	50.4	
85 Toluene	92	9.960	9.956	0.004	98	287522	20.0	21.1	
86 trans-1,3-Dichloropropene	75	10.213	10.216	-0.003	93	149133	20.0	19.5	
87 Ethyl methacrylate	69	10.271	10.271	0.000	89	176611	20.0	19.3	
88 1,1,2-Trichloroethane	97	10.415	10.415	0.000	90	102665	20.0	19.9	
90 Tetrachloroethene	166	10.502	10.499	0.003	97	124033	20.0	22.0	
91 1,3-Dichloropropane	76	10.579	10.576	0.003	89	166504	20.0	19.6	
94 2-Hexanone	43	10.630	10.627	0.003	95	1667249	250.0	251.4	
96 Chlorodibromomethane	129	10.787	10.784	0.003	90	101479	20.0	19.3	
98 Ethylene Dibromide	107	10.900	10.897	0.003	98	108883	20.0	19.5	
* 101 Chlorobenzene-d5 (IS)	117	11.327	11.327	0.000	85	777662	50.0	50.0	
103 1-Chlorohexane	91	11.330	11.333	-0.003	97	154573	20.0	21.0	
102 Chlorobenzene	112	11.349	11.349	0.000	96	318088	20.0	20.6	
104 1,1,1,2-Tetrachloroethane	131	11.429	11.432	-0.003	97	120819	20.0	20.8	
105 Ethylbenzene	91	11.436	11.436	0.000	98	582085	20.0	21.2	
106 m-Xylene & p-Xylene	106	11.548	11.548	0.000	98	459315	40.0	42.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
107 n-Butyl acrylate	55	11.821	11.824	-0.003	97	286193	20.0	22.0	
108 o-Xylene	106	11.875	11.878	-0.003	96	239042	20.0	21.1	
109 Styrene	104	11.891	11.891	0.000	93	361954	20.0	20.9	
110 Bromoform	173	12.045	12.049	-0.004	96	78778	20.0	19.4	
111 Isopropylbenzene	105	12.177	12.174	0.003	95	639142	20.0	24.8	
113 Cyclohexanone	55	12.260	12.260	0.000	91	186159	499.9	499.3	
$ 114 4-Bromofluorobenzene (Surr)	95	12.318	12.318	0.000	90	393825	50.0	51.0	
116 1,1,2,2-Tetrachloroethane	83	12.421	12.421	0.000	95	201122	20.0	19.7	
115 Bromobenzene	156	12.437	12.437	0.000	96	141463	20.0	20.3	
119 trans-1,4-Dichloro-2-butene	53	12.446	12.446	0.000	93	264804	100.0	98.5	
118 1,2,3-Trichloropropane	110	12.466	12.469	-0.003	84	60958	20.0	19.2	
120 N-Propylbenzene	91	12.501	12.501	0.000	98	700079	20.0	21.7	
121 2-Chlorotoluene	126	12.578	12.581	-0.003	98	150033	20.0	21.1	
122 1,3,5-Trimethylbenzene	105	12.636	12.636	0.000	94	512073	20.0	21.4	
123 4-Chlorotoluene	126	12.671	12.671	0.000	97	142753	20.0	21.1	
125 tert-Butylbenzene	134	12.880	12.880	0.000	93	93961	20.0	20.9	
127 1,2,4-Trimethylbenzene	105	12.921	12.918	0.003	97	522320	20.0	21.1	
128 sec-Butylbenzene	105	13.040	13.043	-0.003	94	625589	20.0	21.6	
131 1,3-Dichlorobenzene	146	13.140	13.143	-0.003	98	267733	20.0	20.6	
132 4-Isopropyltoluene	119	13.146	13.149	-0.003	98	542505	20.0	21.2	
* 133 1,4-Dichlorobenzene-d4	152	13.197	13.194	0.003	94	447689	50.0	50.0	
134 1,4-Dichlorobenzene	146	13.213	13.213	0.000	95	275518	20.0	20.7	
148 1,2,3-Trimethylbenzene	105	13.226	13.226	0.000	98	548016	20.0	20.5	
170 Benzyl chloride	91	13.294	13.294	0.000	98	389052	20.0	19.6	
171 1,3-Diethylbenzene	119	13.348	13.348	0.000	95	326081	20.0	21.9	
172 p-Diethylbenzene	119	13.419	13.419	0.000	93	339569	20.0	21.8	
173 n-Butylbenzene	92	13.438	13.441	-0.003	97	258860	20.0	21.5	
174 1,2-Dichlorobenzene	146	13.477	13.473	0.004	98	287514	20.0	20.8	
175 o-diethylbenzene	119	13.493	13.493	0.000	94	260530	20.0	20.6	
176 1,2-Dibromo-3-Chloropropane	75	14.016	14.019	-0.003	88	56741	20.0	18.7	
177 1,3,5-Trichlorobenzene	180	14.141	14.141	0.000	98	205782	20.0	21.2	
179 1,2,4-Trichlorobenzene	180	14.568	14.568	0.000	93	209353	20.0	21.2	
181 2-Ethylhexyl acrylate	55	14.619	14.622	-0.003	80	206468	20.0	22.5	
180 Hexachlorobutadiene	225	14.645	14.648	-0.003	97	70614	20.0	21.8	
182 Naphthalene	128	14.747	14.750	-0.003	97	870427	20.0	20.7	
183 1,2,3-Trichlorobenzene	180	14.895	14.895	0.000	96	209002	20.0	20.4	
184 2-Methylnaphthalene	142	15.537	15.537	0.000	92	467680	20.0	23.1	

QC Flag Legend

Processing Flags

Reagents:

MSV_LCS_VOC#1_00187	Amount Added:	50.00	Units: uL	
MSV_LCS_2CEVE_00192	Amount Added:	50.00	Units: uL	
MSV_LCS_CYC_00010	Amount Added:	50.00	Units: uL	
MSV_LCS_ETOH_00009	Amount Added:	50.00	Units: uL	
MSV_LCS_Gases_00218	Amount Added:	50.00	Units: uL	
MSV_Q_Acr_Std_00007	Amount Added:	2.00	Units: uL	
MSV_LCS_ACROL_00191	Amount Added:	50.00	Units: uL	
MSV_Cent_ISSS_00031	Amount Added:	5.00	Units: uL	Run Reagent

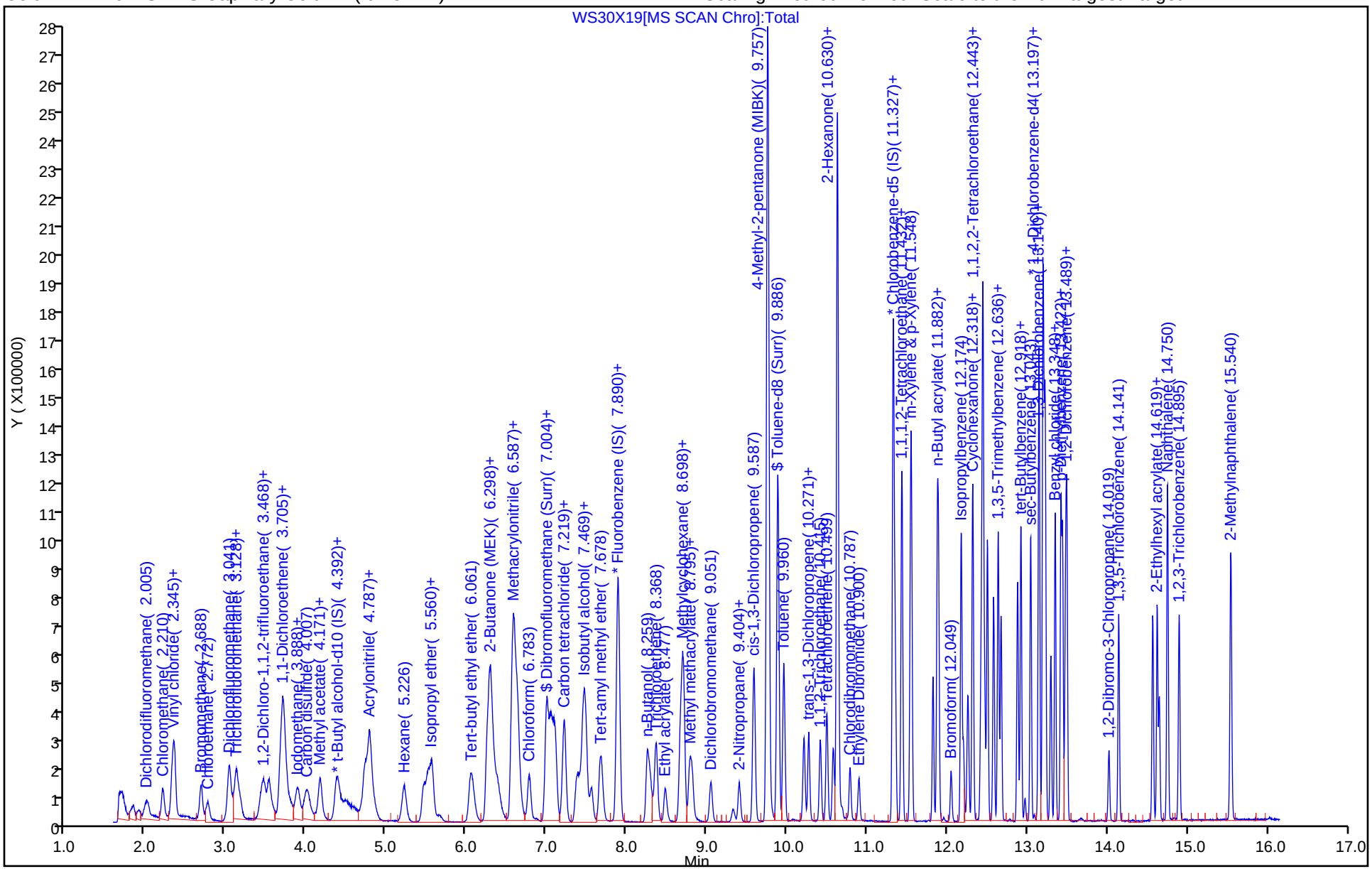
Report Date: 01-Oct-2024 09:16:58 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9137\20240930-126367.b\WS30X19.D

Injection Date:	01-Oct-2024 01:24:30	Instrument ID:	9137	Operator ID:	MCD07824
Lims ID:	ICV			Worklist Smp#:	20
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	19
Method:	MSVoa_9137	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1

SDG No.:

Lab Sample ID: CCVIS 410-558854/3 Calibration Date: 10/03/2024 09:28

Instrument ID: 9137 Calib Start Date: 09/30/2024 22:30

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 10/01/2024 00:40

Lab File ID: WC03X02.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	0.5639	0.4676	0.1000	124	150	-17.1	20.0
Chloromethane	Ave	0.5425	0.4472	0.1000	124	150	-17.6	20.0
Vinyl chloride	Ave	0.5372	0.4447	0.1000	124	150	-17.2	20.0
1,3-Butadiene	Ave	0.5451	0.4779		131	150	-12.3	20.0
Bromomethane	Ave	0.3829	0.3196	0.1000	125	150	-16.5	20.0
Chloroethane	Ave	0.2694	0.2403	0.1000	134	150	-10.8	20.0
Dichlorofluoromethane	Ave	0.8093	0.6976		129	150	-13.8	20.0
Trichlorofluoromethane	Ave	0.6470	0.5485	0.1000	127	150	-15.2	20.0
n-Pentane	Ave	0.4570	0.4614		151	150	1.0	20.0
Ethanol	Ave	0.0621	0.0635		3840	3750	2.3	20.0
Freon 123a	Ave	0.3924	0.3432		131	150	-12.5	20.0
Acrolein	Ave	1.271	1.416		1680	1500	11.4	20.0
1,1-Dichloroethene	Ave	0.2611	0.2672	0.1000	154	150	2.3	20.0
Freon 113	Ave	0.3206	0.3196	0.1000	150	150	-0.3	20.0
Acetone	Ave	0.7621	0.8323	0.1000	328	300	9.2	20.0
2-Propanol	Ave	0.7807	0.5305		510	750	-32.0*	20.0
Methyl iodide	Ave	0.5273	0.5225		149	150	-0.9	20.0
Carbon disulfide	Ave	0.9092	0.9474	0.1000	156	150	4.2	20.0
Methyl acetate	Ave	0.3354	0.2786	0.1000	125	150	-16.9	20.0
Allyl chloride	Ave	0.3801	0.3783		149	150	-0.5	20.0
Methylene Chloride	Ave	0.3015	0.2873	0.1000	143	150	-4.7	20.0
t-Butyl alcohol	Ave	1.106	0.9285		629	750	-16.1	20.0
Acrylonitrile	Ave	0.1771	0.1590		337	375	-10.2	20.0
Methyl tert-butyl ether	Ave	0.9237	0.8199	0.1000	133	150	-11.2	20.0
trans-1,2-Dichloroethene	Ave	0.2491	0.2490	0.1000	150	150	-0.0	20.0
n-Hexane	Ave	0.3155	0.3183		151	150	0.9	20.0
1,1-Dichloroethane	Ave	0.4242	0.4243	0.2000	150	150	0.0	20.0
Isopropyl ether	Ave	0.8279	0.7724		140	150	-6.7	20.0
2-Chloro-1,3-butadiene	Ave	0.3835	0.3786		148	150	-1.3	20.0
Ethyl t-butyl ether	Ave	0.8793	0.8139		139	150	-7.4	20.0
2-Butanone (MEK)	Ave	0.2380	0.2118	0.1000	267	300	-11.0	20.0
cis-1,2-Dichloroethene	Ave	0.2848	0.2788	0.1000	147	150	-2.1	20.0
2,2-Dichloropropane	Ave	0.4615	0.4420		144	150	-4.2	20.0
Propionitrile	Ave	1.245	1.260		759	750	1.2	20.0
Methyl acrylate	Ave	0.4202	0.3750		134	150	-10.8	20.0
Methacrylonitrile	Ave	0.1740	0.1609		347	375	-7.5	20.0
Bromochloromethane	Ave	0.1484	0.1425		144	150	-4.0	20.0
Tetrahydrofuran	Ave	1.086	1.131		781	750	4.1	20.0
Chloroform	Ave	0.4184	0.4121	0.2000	148	150	-1.5	20.0
1,1,1-Trichloroethane	Ave	0.4440	0.4286	0.1000	145	150	-3.5	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1

SDG No.:

Lab Sample ID: CCVIS 410-558854/3 Calibration Date: 10/03/2024 09:28

Instrument ID: 9137 Calib Start Date: 09/30/2024 22:30

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 10/01/2024 00:40

Lab File ID: WC03X02.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
Cyclohexane	Ave	0.5279	0.5152	0.1000	146	150	-2.4	20.0
Carbon tetrachloride	Ave	0.3707	0.3687	0.1000	149	150	-0.5	20.0
1,1-Dichloropropene	Ave	0.3685	0.3640		148	150	-1.2	20.0
Isobutyl alcohol	Ave	0.3688	0.3269		1660	1880	-11.4	20.0
Benzene	Ave	1.055	1.014	0.5000	144	150	-3.9	20.0
1,2-Dichloroethane	Ave	0.3332	0.3239	0.1000	146	150	-2.8	20.0
t-Amyl methyl ether	Ave	0.8623	0.8002		139	150	-7.2	20.0
n-Heptane	Ave	0.2813	0.2709		144	150	-3.7	20.0
n-Butanol	Ave	0.2745	0.2584		1770	1880	-5.8	20.0
Trichloroethene	Ave	0.2801	0.2688	0.2000	144	150	-4.0	20.0
Ethyl acrylate	Ave	0.4356	0.3693		127	150	-15.2	20.0
Methylcyclohexane	Ave	0.4871	0.4851	0.1000	149	150	-0.4	20.0
t-Amyl ethyl ether	Ave	0.4109	0.3945		144	150	-4.0	20.0
1,2-Dichloropropane	Ave	0.2673	0.2608	0.1000	146	150	-2.4	20.0
1,4-Dioxane	Ave	0.0782	0.0688	0.0050	1650	1880	-12.0	20.0
Methyl methacrylate	Ave	0.2559	0.2371		139	150	-7.3	20.0
Dibromomethane	Ave	0.1806	0.1748		145	150	-3.2	20.0
Bromodichloromethane	Ave	0.3079	0.3127	0.2000	152	150	1.6	20.0
2-Nitropropane	Ave	1.770	1.944		824	750	9.9	20.0
2-Chloroethyl vinyl ether	Ave	0.1887	0.1870		149	150	-0.9	20.0
cis-1,3-Dichloropropene	Ave	0.4109	0.4015	0.2000	147	150	-2.3	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.4552	0.4258	0.1000	281	300	-6.5	20.0
Toluene	Ave	0.8767	0.8403	0.4000	144	150	-4.1	20.0
trans-1,3-Dichloropropene	Ave	0.4913	0.4737	0.1000	145	150	-3.6	20.0
Ethyl methacrylate	Ave	0.5888	0.5385		137	150	-8.5	20.0
1,1,2-Trichloroethane	Ave	0.3325	0.3047	0.1000	137	150	-8.4	20.0
Tetrachloroethene	Ave	0.3632	0.3611	0.2000	149	150	-0.6	20.0
1,3-Dichloropropane	Ave	0.5464	0.5114		140	150	-6.4	20.0
2-Hexanone	Ave	0.4265	0.3776	0.1000	266	300	-11.5	20.0
Dibromochloromethane	Ave	0.3377	0.3424		152	150	1.4	20.0
1,2-Dibromoethane (EDB)	Ave	0.3596	0.3338	0.1000	139	150	-7.2	20.0
1-Chlorohexane	Ave	0.4739	0.4437		140	150	-6.4	20.0
Chlorobenzene	Ave	0.9913	0.9439	0.5000	143	150	-4.8	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3736	0.3734		150	150	-0.0	20.0
Ethylbenzene	Ave	1.762	1.687	0.1000	144	150	-4.2	20.0
m&p-Xylene	Ave	0.6965	0.6684	0.1000	288	300	-4.0	20.0
n-Butyl acrylate	Ave	0.8363	0.7149		128	150	-14.5	20.0
o-Xylene	Ave	0.7282	0.7003	0.3000	144	150	-3.8	20.0
Styrene	Ave	1.113	1.051	0.3000	142	150	-5.5	20.0
Bromoform	Ave	0.2607	0.2581	0.1000	149	150	-1.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1

SDG No.:

Lab Sample ID: CCVIS 410-558854/3 Calibration Date: 10/03/2024 09:28

Instrument ID: 9137 Calib Start Date: 09/30/2024 22:30

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 10/01/2024 00:40

Lab File ID: WC03X02.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
Isopropylbenzene	Ave	1.656	1.616	0.1000	146	150	-2.4	20.0
Cyclohexanone	Ave	0.2628	0.2760		1970	1870	5.0	20.0
1,1,2,2-Tetrachloroethane	Ave	1.138	1.088	0.3000	143	150	-4.5	20.0
Bromobenzene	Ave	0.7774	0.7536		145	150	-3.1	20.0
trans-1,4-Dichloro-2-butene	Ave	0.3004	0.2748		343	375	-8.5	20.0
1,2,3-Trichloropropane	Ave	0.3547	0.3248		137	150	-8.4	20.0
N-Propylbenzene	Ave	3.608	3.613		150	150	0.1	20.0
2-Chlorotoluene	Ave	0.7923	0.7811		148	150	-1.4	20.0
1,3,5-Trimethylbenzene	Ave	2.673	2.736		154	150	2.4	20.0
4-Chlorotoluene	Ave	0.7556	0.7511		149	150	-0.6	20.0
tert-Butylbenzene	Ave	0.5031	0.5455		163	150	8.4	20.0
1,2,4-Trimethylbenzene	Ave	2.770	2.792		151	150	0.8	20.0
sec-Butylbenzene	Ave	3.231	3.351		156	150	3.7	20.0
1,3-Dichlorobenzene	Ave	1.449	1.404	0.6000	145	150	-3.1	20.0
p-Isopropyltoluene	Ave	2.854	2.933		154	150	2.8	20.0
1,4-Dichlorobenzene	Ave	1.485	1.417	0.5000	143	150	-4.5	20.0
1,2,3-Trimethylbenzene	Ave	2.981	2.976		150	150	-0.1	20.0
Benzyl chloride	Ave	2.219	2.215		150	150	-0.1	20.0
1,3-Diethylbenzene	Ave	1.659	1.673		151	150	0.8	20.0
1,4-Diethylbenzene	Ave	1.742	1.752		151	150	0.6	20.0
n-Butylbenzene	Ave	1.346	1.370		153	150	1.8	20.0
1,2-Dichlorobenzene	Ave	1.546	1.480	0.4000	144	150	-4.3	20.0
1,2-Diethylbenzene	Ave	1.410	1.441		153	150	2.2	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.3391	0.3118	0.0500	138	150	-8.0	20.0
1,3,5-Trichlorobenzene	Ave	1.086	1.063		147	150	-2.1	20.0
1,2,4-Trichlorobenzene	Ave	1.103	1.056	0.2000	144	150	-4.2	20.0
2-Ethylhexyl acrylate	Ave	1.025	1.008		147	150	-1.7	20.0
Hexachlorobutadiene	Ave	0.3626	0.3718		154	150	2.5	20.0
Naphthalene	Ave	4.690	4.334		139	150	-7.6	20.0
1,2,3-Trichlorobenzene	Ave	1.142	1.067		140	150	-6.6	20.0
2-Methylnaphthalene	Ave	2.256	2.183		145	150	-3.3	20.0
Dibromofluoromethane (Surr)	Ave	0.2402	0.2438		50.8	50.0	1.5	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0627	0.0626		49.9	50.0	-0.2	20.0
Toluene-d8 (Surr)	Ave	1.320	1.331		50.4	50.0	0.8	20.0
4-Bromofluorobenzene (Surr)	Ave	0.4963	0.4782		48.2	50.0	-3.7	20.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9137\20241003-126695.b\WC03X02.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 03-Oct-2024 09:28:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0126695-003
Misc. Info.: CCVIS
Operator ID: knk41612 Instrument ID: 9137
Sublist: chrom-MSVoa_9137*sub73

Method: \\chromfs\Lancaster\ChromData\9137\20241003-126695.b\MSVoa_9137.m
Limit Group: MSV - 8260C_D
Last Update: 03-Oct-2024 15:43:36 Calib Date: 01-Oct-2024 00:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9137\20240930-126367.b\WS30X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1623

First Level Reviewer: DVW2 Date: 03-Oct-2024 10:19:10

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
6 Dichlorodifluoromethane	85	2.014	2.014	0.000	100	1327051	150.0	124.4	
7 Chloromethane	50	2.220	2.220	0.000	99	1269096	150.0	123.6	
8 Vinyl chloride	62	2.341	2.341	0.000	99	1262085	150.0	124.2	
9 Butadiene	39	2.361	2.361	0.000	91	1356262	150.0	131.5	
11 Bromomethane	94	2.698	2.698	0.000	90	907046	150.0	125.2	
12 Chloroethane	64	2.781	2.781	0.000	100	682120	150.0	133.8	
13 Dichlorofluoromethane	67	3.051	3.051	0.000	98	1979931	150.0	129.3	
14 Trichlorofluoromethane	101	3.108	3.108	0.000	99	1556806	150.0	127.2	
15 Pentane	43	3.144	3.144	0.000	97	1309556	150.0	151.5	
17 Ethanol	45	3.221	3.221	0.000	44	251357	3749.9	3837.4	
18 1,2-Dichloro-1,1,2-trifluoroetha	67	3.471	3.471	0.000	93	974002	150.0	131.2	
19 Acrolein	56	3.545	3.545	0.000	100	2245885	1503.2	1675.1	
21 1,1-Dichloroethene	96	3.699	3.699	0.000	98	758329	150.0	153.5	
22 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.721	3.721	0.000	93	907160	150.0	149.6	
20 Acetone	58	3.725	3.725	0.000	92	263476	300.0	327.6	
23 Isopropyl alcohol	45	3.901	3.901	0.000	44	419820	750.0	509.7	
25 Iodomethane	142	3.904	3.904	0.000	97	1482864	150.0	148.6	
26 Carbon disulfide	76	4.020	4.020	0.000	99	2688891	150.0	156.3	
28 Methyl acetate	43	4.155	4.155	0.000	98	790584	150.0	124.6	
27 3-Chloro-1-propene	41	4.187	4.187	0.000	95	1073628	150.0	149.3	
30 Methylene Chloride	84	4.398	4.398	0.000	91	815462	150.0	143.0	
* 32 t-Butyl alcohol-d10 (IS)	65	4.434	4.434	0.000	40	263795	250.0	250.0	
33 2-Methyl-2-propanol	59	4.559	4.559	0.000	97	734821	750.0	629.5	
34 Acrylonitrile	53	4.739	4.739	0.000	100	1127857	375.0	336.7	
36 Methyl tert-butyl ether	73	4.799	4.799	0.000	96	2326957	150.0	133.2	
35 trans-1,2-Dichloroethene	96	4.803	4.803	0.000	100	706712	150.0	149.9	
37 Hexane	57	5.226	5.226	0.000	91	903279	150.0	151.3	
38 1,1-Dichloroethane	63	5.470	5.470	0.000	96	1204077	150.0	150.0	
40 Isopropyl ether	45	5.531	5.531	0.000	93	2192175	150.0	139.9	
41 2-Chloro-1,3-butadiene	53	5.579	5.579	0.000	90	1074504	150.0	148.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
42 Tert-butyl ethyl ether	59	6.067	6.067	0.000	97	2309783	150.0	138.8	
44 2-Butanone (MEK)	43	6.285	6.285	0.000	99	1202089	300.0	266.9	
43 cis-1,2-Dichloroethene	96	6.304	6.304	0.000	82	791131	150.0	146.8	
45 2,2-Dichloropropane	77	6.327	6.327	0.000	88	1254493	150.0	143.7	
47 Propionitrile	54	6.388	6.388	0.000	97	996948	750.0	758.9	
48 Methyl acrylate	55	6.410	6.410	0.000	100	1064295	150.0	133.9	
49 Methacrylonitrile	67	6.596	6.596	0.000	92	1141628	375.0	346.9	
50 Chlorobromomethane	128	6.635	6.635	0.000	92	404436	150.0	144.1	
51 Tetrahydrofuran	71	6.648	6.648	0.000	90	895112	750.0	780.8	
52 Chloroform	83	6.786	6.786	0.000	95	1169588	150.0	147.8	
$ 54 Dibromofluoromethane (Surr)	113	7.004	7.004	0.000	93	230682	50.0	50.8	
55 1,1,1-Trichloroethane	97	7.017	7.017	0.000	98	1216355	150.0	144.8	
56 Cyclohexane	56	7.110	7.110	0.000	89	1462118	150.0	146.4	
58 Carbon tetrachloride	117	7.219	7.219	0.000	98	1046282	150.0	149.2	
57 1,1-Dichloropropene	75	7.225	7.225	0.000	96	1032914	150.0	148.1	
59 Isobutyl alcohol	41	7.392	7.392	0.000	96	646677	1875.0	1661.7	
$ 60 1,2-Dichloroethane-d4 (Surr)	102	7.463	7.463	0.000	69	59187	50.0	49.9	
61 Benzene	78	7.492	7.492	0.000	96	2877133	150.0	144.1	
62 1,2-Dichloroethane	62	7.566	7.566	0.000	97	919301	150.0	145.8	
64 Tert-amyl methyl ether	73	7.684	7.684	0.000	99	2271075	150.0	139.2	
* 65 Fluorobenzene (IS)	96	7.896	7.896	0.000	99	946015	50.0	50.0	
66 n-Heptane	43	7.899	7.899	0.000	91	768804	150.0	144.4	
67 n-Butanol	56	8.275	8.275	0.000	88	511329	1875.0	1765.3	
68 Trichloroethene	95	8.374	8.374	0.000	98	762907	150.0	143.9	
69 Ethyl acrylate	55	8.490	8.490	0.000	99	1047971	150.0	127.2	
70 Methylcyclohexane	83	8.682	8.682	0.000	96	1376714	150.0	149.4	
72 2-ethoxy-2-methyl butane	87	8.711	8.711	0.000	92	1119470	150.0	144.0	
71 1,2-Dichloropropane	63	8.714	8.714	0.000	84	740173	150.0	146.3	
74 Methyl methacrylate	69	8.791	8.791	0.000	91	672905	150.0	139.0	
75 1,4-Dioxane	88	8.791	8.791	0.000	56	136198	1875.0	1650.8	
73 Dibromomethane	93	8.820	8.820	0.000	97	496028	150.0	145.2	
77 Dichlorobromomethane	83	9.055	9.055	0.000	100	887457	150.0	152.3	
78 2-Nitropropane	41	9.334	9.334	0.000	97	1538724	750.0	823.9	
79 2-Chloroethyl vinyl ether	63	9.411	9.411	0.000	92	530763	150.0	148.7	
81 cis-1,3-Dichloropropene	75	9.590	9.590	0.000	97	1139358	150.0	146.6	
83 4-Methyl-2-pentanone (MIBK)	43	9.764	9.764	0.000	96	2416780	300.0	280.6	
$ 84 Toluene-d8 (Surr)	98	9.892	9.892	0.000	94	952134	50.0	50.4	
85 Toluene	92	9.966	9.966	0.000	98	1803614	150.0	143.8	
86 trans-1,3-Dichloropropene	75	10.216	10.216	0.000	92	1016724	150.0	144.6	
87 Ethyl methacrylate	69	10.274	10.274	0.000	89	1155852	150.0	137.2	
88 1,1,2-Trichloroethane	97	10.422	10.422	0.000	91	653920	150.0	137.5	
90 Tetrachloroethene	166	10.502	10.502	0.000	97	775106	150.0	149.1	
91 1,3-Dichloropropane	76	10.582	10.582	0.000	89	1097726	150.0	140.4	
94 2-Hexanone	43	10.633	10.633	0.000	95	1621153	300.0	265.6	
96 Chlorodibromomethane	129	10.791	10.791	0.000	90	734897	150.0	152.1	
98 Ethylene Dibromide	107	10.900	10.900	0.000	99	716567	150.0	139.3	
* 101 Chlorobenzene-d5 (IS)	117	11.326	11.326	0.000	84	715484	50.0	50.0	
103 1-Chlorohexane	91	11.333	11.333	0.000	97	952274	150.0	140.4	
102 Chlorobenzene	112	11.352	11.352	0.000	96	2026009	150.0	142.8	
104 1,1,1,2-Tetrachloroethane	131	11.432	11.432	0.000	97	801468	150.0	149.9	
105 Ethylbenzene	91	11.436	11.436	0.000	98	3622130	150.0	143.7	
106 m-Xylene & p-Xylene	106	11.551	11.551	0.000	98	2869507	300.0	287.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
107 n-Butyl acrylate	55	11.824	11.824	0.000	97	1534630	150.0	128.2	
108 o-Xylene	106	11.878	11.878	0.000	95	1503204	150.0	144.3	
109 Styrene	104	11.894	11.894	0.000	94	2256504	150.0	141.7	
110 Bromoform	173	12.048	12.048	0.000	97	553958	150.0	148.5	
111 Isopropylbenzene	105	12.177	12.177	0.000	95	3468149	150.0	146.4	
113 Cyclohexanone	55	12.257	12.257	0.000	92	545956	1874.9	1968.6	
$ 114 4-Bromofluorobenzene (Surr)	95	12.318	12.318	0.000	89	342122	50.0	48.2	
116 1,1,2,2-Tetrachloroethane	83	12.421	12.421	0.000	95	1263515	150.0	143.3	
115 Bromobenzene	156	12.437	12.437	0.000	97	875514	150.0	145.4	
119 trans-1,4-Dichloro-2-butene	53	12.446	12.446	0.000	88	798052	375.0	343.0	
118 1,2,3-Trichloropropane	110	12.469	12.469	0.000	85	377384	150.0	137.4	
120 N-Propylbenzene	91	12.501	12.501	0.000	98	4197522	150.0	150.2	
121 2-Chlorotoluene	126	12.581	12.581	0.000	97	907502	150.0	147.9	
122 1,3,5-Trimethylbenzene	105	12.636	12.636	0.000	95	3178984	150.0	153.5	
123 4-Chlorotoluene	126	12.671	12.671	0.000	97	872613	150.0	149.1	
125 tert-Butylbenzene	134	12.880	12.880	0.000	93	633724	150.0	162.6	
127 1,2,4-Trimethylbenzene	105	12.921	12.921	0.000	97	3244209	150.0	151.2	
128 sec-Butylbenzene	105	13.043	13.043	0.000	94	3893606	150.0	155.6	
131 1,3-Dichlorobenzene	146	13.143	13.143	0.000	98	1631412	150.0	145.3	
132 4-Isopropyltoluene	119	13.146	13.146	0.000	97	3407784	150.0	154.2	
* 133 1,4-Dichlorobenzene-d4	152	13.197	13.197	0.000	94	387257	50.0	50.0	
134 1,4-Dichlorobenzene	146	13.213	13.213	0.000	95	1646498	150.0	143.2	
148 1,2,3-Trimethylbenzene	105	13.226	13.226	0.000	98	3457913	150.0	149.8	
170 Benzyl chloride	91	13.293	13.293	0.000	98	2573761	150.0	149.8	
171 1,3-Diethylbenzene	119	13.348	13.348	0.000	95	1943083	150.0	151.2	
172 p-Diethylbenzene	119	13.419	13.419	0.000	94	2035322	150.0	150.9	
173 n-Butylbenzene	92	13.438	13.438	0.000	96	1591596	150.0	152.6	
174 1,2-Dichlorobenzene	146	13.476	13.476	0.000	98	1719519	150.0	143.6	
175 o-diethylbenzene	119	13.492	13.492	0.000	95	1674497	150.0	153.3	
176 1,2-Dibromo-3-Chloropropane	75	14.015	14.015	0.000	88	362296	150.0	137.9	
177 1,3,5-Trichlorobenzene	180	14.141	14.141	0.000	98	1235443	150.0	146.9	
179 1,2,4-Trichlorobenzene	180	14.564	14.564	0.000	94	1227027	150.0	143.6	
181 2-Ethylhexyl acrylate	55	14.619	14.619	0.000	80	1170589	150.0	147.4	
180 Hexachlorobutadiene	225	14.644	14.644	0.000	98	431906	150.0	153.8	
182 Naphthalene	128	14.750	14.750	0.000	97	5035225	150.0	138.6	
183 1,2,3-Trichlorobenzene	180	14.895	14.895	0.000	96	1240078	150.0	140.1	
184 2-Methylnaphthalene	142	15.540	15.540	0.000	92	2536222	150.0	145.1	

QC Flag Legend

Processing Flags

Reagents:

MSV_CCV_2CEVE_00195	Amount Added:	15.00	Units: uL	
MSV_CCV_VOC#1_00203	Amount Added:	15.00	Units: uL	
MSV_CCV_VOC#3_00200	Amount Added:	12.00	Units: uL	
MSV_CCV_GASES_00844	Amount Added:	7.50	Units: uL	
MSV_CCV_ETOH_00007	Amount Added:	30.00	Units: uL	
MSV_CCV_CYC_00010	Amount Added:	30.00	Units: uL	
MSV_V_Acr_Std_00007	Amount Added:	3.00	Units: uL	
MSV_Cent_ISSS_00030	Amount Added:	5.00	Units: uL	Run Reagent

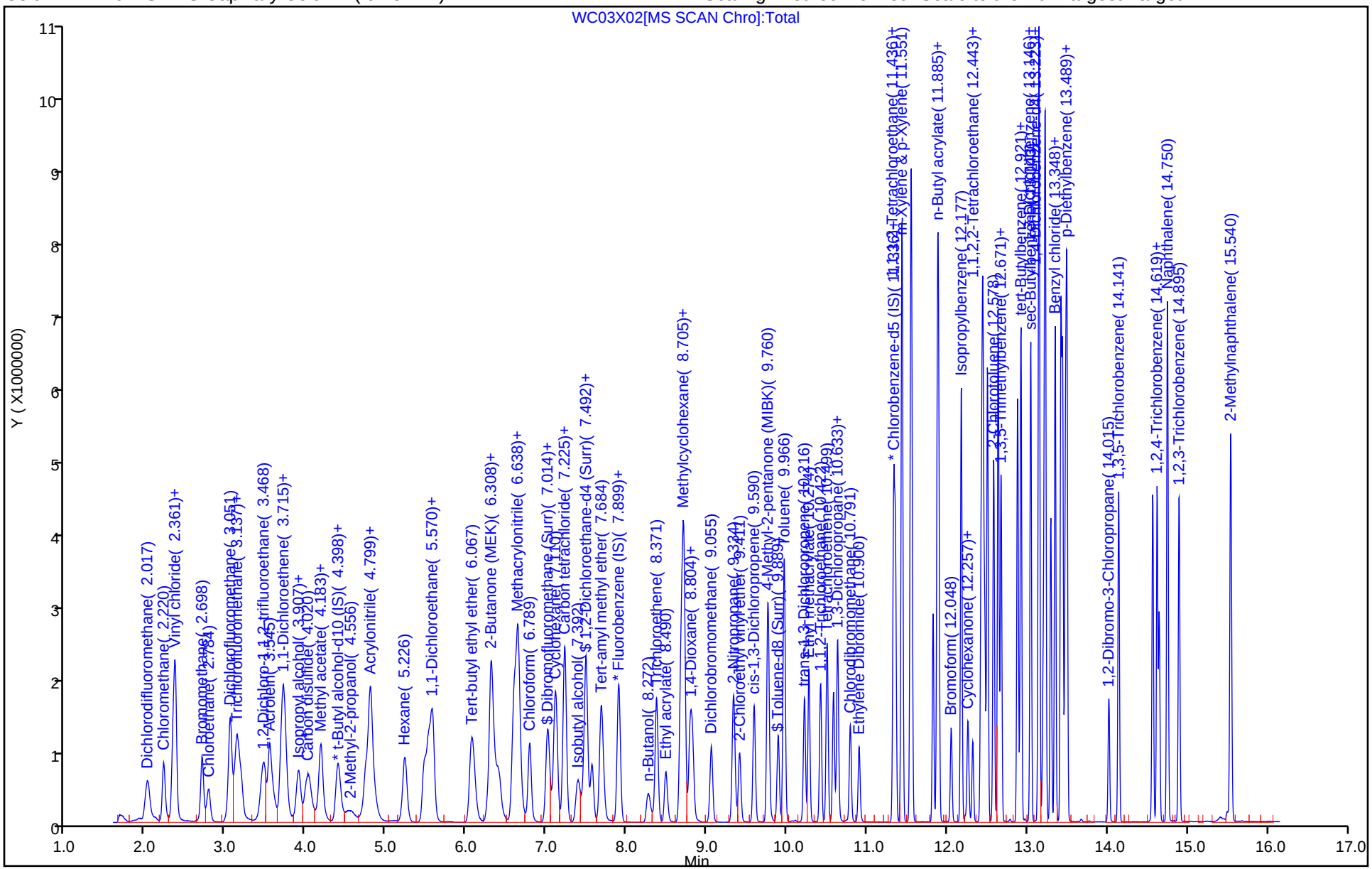
Report Date: 03-Oct-2024 15:43:38 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9137\20241003-126695.b\WC03X02.D

Injection Date:	03-Oct-2024 09:28:30	Instrument ID:	9137	Operator ID:	knk41612
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	MSVoa_9137	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1

SDG No.:

Lab Sample ID: ICV 410-528230/20 Calibration Date: 07/15/2024 20:42

Instrument ID: 9915 Calib Start Date: 07/15/2024 17:41

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 07/15/2024 19:57

Lab File ID: LL15X19.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	0.4369	0.4232	0.1000	19.4	20.0	-3.1	30.0
Chloromethane	Ave	0.4865	0.4451	0.1000	18.3	20.0	-8.5	30.0
1,3-Butadiene	Ave	0.4663	0.3607		15.5	20.0	-22.7	30.0
Vinyl chloride	Ave	0.4761	0.4383	0.1000	18.4	20.0	-7.9	30.0
Bromomethane	Ave	0.3695	0.3372	0.1000	18.2	20.0	-8.8	30.0
Chloroethane	Ave	0.2493	0.2352	0.1000	18.9	20.0	-5.7	30.0
Dichlorofluoromethane	Ave	0.7671	0.6365		16.6	20.0	-17.0	30.0
Trichlorofluoromethane	Ave	0.5729	0.4942	0.1000	17.3	20.0	-13.7	30.0
n-Pentane	Ave	0.3968	0.3613		18.2	20.0	-9.0	30.0
Ethyl ether	Ave	0.1873	0.1925		20.5	19.9	2.8	30.0
Freon 123a	Ave	0.3548	0.3215		18.1	20.0	-9.4	30.0
Acrolein	Ave	1.435	1.385		145	150	-3.5	30.0
Acetone	Ave	0.6783	0.6032	0.1000	222	250	-11.1	30.0
1,1-Dichloroethene	Ave	0.2625	0.2715	0.1000	20.7	20.0	3.5	30.0
Freon 113	Ave	0.3019	0.2582	0.1000	17.1	20.0	-14.5	30.0
2-Propanol	Ave	0.4842	0.4345		135	150	-10.3	30.0
Methyl iodide	Ave	0.5519	0.5244		19.0	20.0	-5.0	30.0
Carbon disulfide	Ave	0.9616	0.8977	0.1000	18.7	20.0	-6.6	30.0
Methyl acetate	Ave	0.2101	0.2171	0.1000	20.7	20.0	3.3	30.0
Allyl chloride	Ave	0.3662	0.3256		17.8	20.0	-11.1	30.0
Methylene Chloride	Ave	0.3180	0.3077	0.1000	19.4	20.0	-3.2	30.0
t-Butyl alcohol	Ave	0.9013	0.9106		202	200	1.0	30.0
Acrylonitrile	Ave	0.1207	0.1231		102	100	2.0	30.0
trans-1,2-Dichloroethene	Ave	0.2458	0.2420	0.1000	19.7	20.0	-1.5	30.0
Methyl tert-butyl ether	Ave	0.9582	0.9106	0.1000	19.0	20.0	-5.0	30.0
n-Hexane	Ave	0.3020	0.2756		18.2	20.0	-8.8	30.0
1,1-Dichloroethane	Ave	0.3978	0.4063	0.2000	20.4	20.0	2.1	30.0
Isopropyl ether	Ave	0.8214	0.7789		19.0	20.0	-5.2	30.0
2-Chloro-1,3-butadiene	Ave	0.3449	0.3286		19.1	20.0	-4.7	30.0
Ethyl t-butyl ether	Ave	0.8734	0.8644		19.8	20.0	-1.0	30.0
2-Butanone (MEK)	Ave	0.1564	0.1590	0.1000	254	250	1.7	30.0
cis-1,2-Dichloroethene	Ave	0.2693	0.2650	0.1000	19.7	20.0	-1.6	30.0
2,2-Dichloropropane	Ave	0.4537	0.4448		19.6	20.0	-2.0	30.0
Propionitrile	Ave	1.007	1.026		153	150	1.9	30.0
Methyl acrylate	Ave	0.3063	0.3151		20.6	20.0	2.9	30.0
Methacrylonitrile	Ave	0.1272	0.1319		156	150	3.8	30.0
Bromochloromethane	Ave	0.1414	0.1379		19.5	20.0	-2.5	30.0
Tetrahydrofuran	Ave	0.8994	0.8692		96.6	100	-3.4	30.0
Chloroform	Ave	0.4459	0.4239	0.2000	19.0	20.0	-4.9	30.0
1,1,1-Trichloroethane	Ave	0.4567	0.4611	0.1000	20.2	20.0	1.0	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1

SDG No.:

Lab Sample ID: ICV 410-528230/20 Calibration Date: 07/15/2024 20:42

Instrument ID: 9915 Calib Start Date: 07/15/2024 17:41

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 07/15/2024 19:57

Lab File ID: LL15X19.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
Cyclohexane	Ave	0.5071	0.4724	0.1000	18.6	20.0	-6.8	30.0
1,1-Dichloropropene	Ave	0.3204	0.3125		19.5	20.0	-2.5	30.0
Carbon tetrachloride	Ave	0.3646	0.3536	0.1000	19.4	20.0	-3.0	30.0
Isobutyl alcohol	Ave	0.3188	0.2839		445	500	-10.9	30.0
Benzene	Ave	0.9920	0.9771	0.5000	19.7	20.0	-1.5	30.0
1,2-Dichloroethane	Ave	0.3355	0.3345	0.1000	19.9	20.0	-0.3	30.0
t-Amyl methyl ether	Ave	0.8534	0.8437		19.8	20.0	-1.1	30.0
n-Heptane	Ave	0.3218	0.2972		18.5	20.0	-7.7	30.0
n-Butanol	Ave	0.2159	0.2142		992	1000	-0.8	30.0
Trichloroethene	Ave	0.2573	0.2511	0.2000	19.5	20.0	-2.4	30.0
Ethyl acrylate	Ave	0.3494	0.3424		19.6	20.0	-2.0	30.0
Methylcyclohexane	Ave	0.5053	0.4688	0.1000	18.6	20.0	-7.2	30.0
1,2-Dichloropropane	Ave	0.2459	0.2469	0.1000	20.1	20.0	0.4	30.0
t-Amyl ethyl ether	Ave	0.4048	0.3699		18.3	20.0	-8.6	30.0
Methyl methacrylate	Ave	0.2085	0.1887		18.1	20.0	-9.5	30.0
1,4-Dioxane	Ave	0.0684	0.0671	0.0050	490	500	-1.9	30.0
Dibromomethane	Ave	0.1799	0.1708		19.0	20.0	-5.1	30.0
Bromodichloromethane	Ave	0.3117	0.3047	0.2000	19.6	20.0	-2.2	30.0
2-Nitropropane	Ave	1.745	1.562		17.9	20.0	-10.5	30.0
2-Chloroethyl vinyl ether	Ave	0.0920	0.0874		19.0	20.0	-5.0	30.0
cis-1,3-Dichloropropene	Ave	0.3850	0.3573	0.2000	18.6	20.0	-7.2	30.0
4-Methyl-2-pentanone (MIBK)	Ave	0.3682	0.3716	0.1000	252	250	0.9	30.0
Toluene	Ave	0.7877	0.7842	0.4000	19.9	20.0	-0.4	30.0
trans-1,3-Dichloropropene	Ave	0.4359	0.4286	0.1000	19.7	20.0	-1.7	30.0
Ethyl methacrylate	Ave	0.4933	0.4782		19.4	20.0	-3.0	30.0
1,1,2-Trichloroethane	Ave	0.2918	0.2911	0.1000	19.9	20.0	-0.3	30.0
Tetrachloroethene	Ave	0.3328	0.3325	0.2000	20.0	20.0	-0.0	30.0
1,3-Dichloropropane	Ave	0.4649	0.4608		19.8	20.0	-0.9	30.0
2-Hexanone	Ave	0.2978	0.3021	0.1000	254	250	1.4	30.0
Dibromochloromethane	Ave	0.3090	0.3009		19.5	20.0	-2.6	30.0
1,2-Dibromoethane (EDB)	Ave	0.3135	0.3100	0.1000	19.8	20.0	-1.1	30.0
1-Chlorohexane	Ave	0.4362	0.4062		18.6	20.0	-6.9	30.0
Chlorobenzene	Ave	0.8743	0.8809	0.5000	20.1	20.0	0.7	30.0
1,1,1,2-Tetrachloroethane	Ave	0.3565	0.3569		20.0	20.0	0.1	30.0
Ethylbenzene	Ave	1.610	1.610	0.1000	20.0	20.0	0.0	30.0
m&p-Xylene	Ave	0.6281	0.6268	0.1000	39.9	40.0	-0.2	30.0
n-Butyl acrylate	Ave	0.7295	0.7725		21.1	20.0	5.9	30.0
o-Xylene	Ave	0.6774	0.6778	0.3000	20.0	20.0	0.0	30.0
Styrene	Ave	1.023	1.034	0.3000	20.2	20.0	1.1	30.0
Bromoform	Ave	0.2271	0.2163	0.1000	19.1	20.0	-4.7	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1

SDG No.:

Lab Sample ID: ICV 410-528230/20 Calibration Date: 07/15/2024 20:42

Instrument ID: 9915 Calib Start Date: 07/15/2024 17:41

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 07/15/2024 19:57

Lab File ID: LL15X19.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
Isopropylbenzene	Ave	1.705	1.847	0.1000	21.7	20.0	8.3	30.0
Cyclohexanone	Ave	0.3225	0.2400		372	500	-25.6	30.0
1,1,2,2-Tetrachloroethane	Ave	0.9129	0.9185	0.3000	20.1	20.0	0.6	30.0
Bromobenzene	Ave	0.6934	0.7086		20.4	20.0	2.2	30.0
trans-1,4-Dichloro-2-butene	Ave	0.2347	0.2465		105	100	5.0	30.0
1,2,3-Trichloropropane	Ave	0.2723	0.2657		19.5	20.0	-2.4	30.0
N-Propylbenzene	Ave	3.405	3.522		20.7	20.0	3.5	30.0
2-Chlorotoluene	Ave	0.7088	0.7149		20.2	20.0	0.9	30.0
1,3,5-Trimethylbenzene	Ave	2.689	2.723		20.2	20.0	1.2	30.0
4-Chlorotoluene	Ave	0.6813	0.6749		19.8	20.0	-0.9	30.0
tert-Butylbenzene	Ave	0.4933	0.4969		20.1	20.0	0.7	30.0
1,2,4-Trimethylbenzene	Ave	2.727	2.769		20.3	20.0	1.6	30.0
sec-Butylbenzene	Ave	3.380	3.432		20.3	20.0	1.5	30.0
1,3-Dichlorobenzene	Ave	1.379	1.394	0.6000	20.2	20.0	1.1	30.0
p-Isopropyltoluene	Ave	2.981	2.996		20.1	20.0	0.5	30.0
1,4-Dichlorobenzene	Ave	1.405	1.412	0.5000	20.1	20.0	0.5	30.0
1,2,3-Trimethylbenzene	Ave	2.943	2.864		19.5	20.0	-2.7	30.0
Benzyl chloride	Ave	1.782	1.748		19.6	20.0	-1.9	30.0
1,3-Diethylbenzene	Ave	1.748	1.832		21.0	20.0	4.8	30.0
1,4-Diethylbenzene	Ave	1.826	1.925		21.1	20.0	5.4	30.0
n-Butylbenzene	Ave	1.459	1.510		20.7	20.0	3.5	30.0
1,2-Dichlorobenzene	Ave	1.473	1.501	0.4000	20.4	20.0	1.9	30.0
1,2-Diethylbenzene	Ave	1.464	1.470		20.1	20.0	0.4	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.2386	0.2247	0.0500	18.8	20.0	-5.8	30.0
1,3,5-Trichlorobenzene	Ave	1.187	1.297		21.9	20.0	9.3	30.0
1,2,4-Trichlorobenzene	Ave	1.199	1.319	0.2000	22.0	20.0	10.0	30.0
2-Ethylhexyl acrylate	Ave	1.276	1.472		23.1	20.0	15.3	30.0
Hexachlorobutadiene	Ave	0.4404	0.5702		25.9	20.0	29.5	30.0
Naphthalene	Ave	4.148	4.354		21.0	20.0	5.0	30.0
1,2,3-Trichlorobenzene	Ave	1.254	1.375		21.9	20.0	9.6	30.0
2-Methylnaphthalene	Ave	2.447	3.217		26.3	20.0	31.5*	30.0
Dibromofluoromethane (Surr)	Ave	0.2508	0.2499		49.8	50.0	-0.3	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0606	0.0608		50.1	50.0	0.3	30.0
Toluene-d8 (Surr)	Ave	1.267	1.289		50.9	50.0	1.8	30.0
4-Bromofluorobenzene (Surr)	Ave	0.5005	0.5011		50.1	50.0	0.1	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9915\20240715-119345.b\LL15X19.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 15-Jul-2024 20:42:30 ALS Bottle#: 19 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0119345-020
Misc. Info.: ICV LG
Operator ID: knk41612 Instrument ID: 9915
Sublist:

Method: \\chromfs\Lancaster\ChromData\9915\20240715-119345.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 16-Jul-2024 20:47:58 Calib Date: 15-Jul-2024 19:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20240715-119345.b\LL15X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1659

First Level Reviewer: DVW2 Date: 16-Jul-2024 07:59:48

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.939	1.946	-0.007	99	189172	20.0	19.4	
4 Chloromethane	50	2.132	2.142	-0.010	99	198974	20.0	18.3	
6 Butadiene	39	2.239	2.245	-0.007	94	161238	20.0	15.5	
5 Vinyl chloride	62	2.245	2.255	-0.010	98	195908	20.0	18.4	
8 Bromomethane	94	2.573	2.589	-0.016	90	150725	20.0	18.2	
9 Chloroethane	64	2.634	2.653	-0.019	99	105139	20.0	18.9	
10 Dichlorofluoromethane	67	2.875	2.898	-0.023	97	284502	20.0	16.6	
11 Trichlorofluoromethane	101	2.956	2.975	-0.019	96	220934	20.0	17.3	
12 Pentane	43	2.972	2.991	-0.019	93	161494	20.0	18.2	
13 Ethyl ether	59	3.165	3.171	-0.006	91	85773	19.9	20.5	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.277	3.284	-0.007	95	143700	20.0	18.1	
16 Acrolein	56	3.325	3.332	-0.007	99	246461	150.3	145.1	
18 Acetone	58	3.489	3.489	0.000	100	178572	250.0	222.3	
17 1,1-Dichloroethene	96	3.502	3.512	-0.010	97	121383	20.0	20.7	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.515	3.528	-0.013	92	115424	20.0	17.1	
20 Isopropyl alcohol	45	3.663	3.666	-0.003	46	77182	150.0	134.6	
21 Iodomethane	142	3.685	3.705	-0.020	98	234410	20.0	19.0	
22 Carbon disulfide	76	3.801	3.805	-0.004	99	401287	20.0	18.7	
24 Methyl acetate	43	3.901	3.907	-0.006	96	97052	20.0	20.7	
25 3-Chloro-1-propene	41	3.923	3.936	-0.013	91	145556	20.0	17.8	
27 Methylene Chloride	84	4.129	4.145	-0.016	96	137555	20.0	19.4	
* 28 t-Butyl alcohol-d10 (IS)	65	4.177	4.181	-0.004	94	296030	250.0	250.0	
29 2-Methyl-2-propanol	59	4.338	4.313	0.025	34	215655	200.0	202.1	M
30 Acrylonitrile	53	4.425	4.438	-0.013	98	275211	100.0	102.0	
31 trans-1,2-Dichloroethene	96	4.518	4.528	-0.010	98	108191	20.0	19.7	
32 Methyl tert-butyl ether	73	4.547	4.557	-0.010	90	407039	20.0	19.0	
34 Hexane	57	4.952	4.972	-0.020	93	123186	20.0	18.2	
35 1,1-Dichloroethane	63	5.187	5.187	0.000	96	181603	20.0	20.4	
37 Isopropyl ether	45	5.254	5.271	-0.017	94	348191	20.0	19.0	
38 2-Chloro-1,3-butadiene	53	5.303	5.300	0.003	92	146898	20.0	19.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
39 Tert-butyl ethyl ether	59	5.798	5.808	-0.010	97	386378	20.0	19.8	
40 2-Butanone (MEK)	43	5.994	6.004	-0.010	100	888499	250.0	254.2	
42 cis-1,2-Dichloroethene	96	6.029	6.030	-0.001	78	118462	20.0	19.7	
43 2,2-Dichloropropane	77	6.068	6.058	0.010	88	198819	20.0	19.6	
45 Propionitrile	54	6.078	6.081	-0.003	95	182173	150.0	152.8	
46 Methyl acrylate	55	6.126	6.139	-0.013	99	140691	20.0	20.6	
47 Methacrylonitrile	67	6.296	6.296	0.000	91	442368	150.0	155.6	
48 Chlorobromomethane	128	6.357	6.354	0.003	87	61621	20.0	19.5	
49 Tetrahydrofuran	71	6.367	6.380	-0.013	87	102921	100.0	96.6	
50 Chloroform	83	6.512	6.515	-0.003	94	189500	20.0	19.0	
$ 51 Dibromofluoromethane (Surr)	113	6.721	6.730	-0.009	93	279307	50.0	49.8	
52 1,1,1-Trichloroethane	97	6.746	6.759	-0.013	96	206101	20.0	20.2	
53 Cyclohexane	56	6.852	6.862	-0.010	91	211146	20.0	18.6	
55 1,1-Dichloropropene	75	6.955	6.959	-0.004	96	139682	20.0	19.5	
54 Carbon tetrachloride	117	6.962	6.965	-0.003	93	158064	20.0	19.4	
56 Isobutyl alcohol	41	7.123	7.126	-0.003	98	168099	500.0	445.3	
$ 57 1,2-Dichloroethane-d4 (Surr)	102	7.177	7.187	-0.010	91	67933	50.0	50.1	
58 Benzene	78	7.216	7.222	-0.006	96	436765	20.0	19.7	
59 1,2-Dichloroethane	62	7.280	7.293	-0.013	97	149541	20.0	19.9	
61 Tert-amyl methyl ether	73	7.415	7.428	-0.013	98	377125	20.0	19.8	
* 62 Fluorobenzene (IS)	96	7.627	7.631	-0.004	99	1117529	50.0	50.0	
63 n-Heptane	43	7.653	7.653	0.000	92	132854	20.0	18.5	
65 n-Butanol	56	8.004	8.010	-0.006	94	253654	1000.0	992.1	
66 Trichloroethene	95	8.110	8.110	0.000	99	112236	20.0	19.5	
67 Ethyl acrylate	55	8.225	8.226	-0.001	99	153039	20.0	19.6	
68 Methylcyclohexane	83	8.425	8.425	0.000	89	209540	20.0	18.6	
69 1,2-Dichloropropane	63	8.438	8.438	0.000	93	110386	20.0	20.1	
70 2-ethoxy-2-methyl butane	87	8.457	8.460	-0.003	93	165359	20.0	18.3	
71 Methyl methacrylate	69	8.528	8.528	0.000	92	84341	20.0	18.1	
72 1,4-Dioxane	88	8.534	8.531	0.003	34	39730	500.0	490.4	M
73 Dibromomethane	93	8.550	8.547	0.003	97	76337	20.0	19.0	
75 Dichlorobromomethane	83	8.788	8.788	0.000	99	136224	20.0	19.6	
76 2-Nitropropane	41	9.052	9.052	0.000	98	36981	20.0	17.9	
77 2-Chloroethyl vinyl ether	63	9.155	9.155	0.000	92	39070	20.0	19.0	
78 cis-1,3-Dichloropropene	75	9.341	9.345	-0.003	95	159737	20.0	18.6	
79 4-Methyl-2-pentanone (MIBK)	43	9.518	9.521	-0.003	97	2076209	250.0	252.3	
$ 80 Toluene-d8 (Surr)	98	9.656	9.660	-0.004	93	1120383	50.0	50.9	
81 Toluene	92	9.737	9.737	0.000	98	272642	20.0	19.9	
120 trans-1,3-Dichloropropene	75	9.991	9.994	-0.003	94	148997	20.0	19.7	
121 Ethyl methacrylate	69	10.058	10.062	-0.004	89	166251	20.0	19.4	
122 1,1,2-Trichloroethane	97	10.196	10.200	-0.004	90	101199	20.0	19.9	
123 Tetrachloroethene	166	10.293	10.293	0.000	97	115583	20.0	20.0	
124 1,3-Dichloropropane	76	10.360	10.361	-0.001	91	160195	20.0	19.8	
125 2-Hexanone	43	10.418	10.418	0.000	97	1312777	250.0	253.6	
128 Chlorodibromomethane	129	10.576	10.579	-0.003	89	104597	20.0	19.5	
129 Ethylene Dibromide	107	10.688	10.689	0.000	98	107760	20.0	19.8	
* 130 Chlorobenzene-d5 (IS)	117	11.126	11.129	-0.003	85	869137	50.0	50.0	
132 1-Chlorohexane	91	11.138	11.139	-0.001	97	141201	20.0	18.6	
133 Chlorobenzene	112	11.155	11.155	0.000	95	306232	20.0	20.1	
134 1,1,1,2-Tetrachloroethane	131	11.235	11.235	0.000	95	124063	20.0	20.0	
135 Ethylbenzene	91	11.241	11.242	-0.001	98	559828	20.0	20.0	
136 m-Xylene & p-Xylene	106	11.357	11.357	0.000	99	435837	40.0	39.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
137 n-Butyl acrylate	55	11.637	11.637	0.000	97	268069	20.0	21.1	
138 o-Xylene	106	11.688	11.688	0.000	96	235647	20.0	20.0	
139 Styrene	104	11.701	11.701	0.000	94	359470	20.0	20.2	
140 Bromoform	173	11.855	11.856	-0.001	96	75194	20.0	19.1	
142 Isopropylbenzene	105	11.991	11.991	0.000	95	641990	20.0	21.7	
141 Cyclohexanone	55	12.061	12.061	0.000	92	142155	500.1	372.2	
$ 143 4-Bromofluorobenzene (Surr)	95	12.132	12.132	0.000	90	435497	50.0	50.1	
145 1,1,2,2-Tetrachloroethane	83	12.232	12.232	0.000	94	184060	20.0	20.1	
146 Bromobenzene	156	12.248	12.248	0.000	95	141995	20.0	20.4	
147 trans-1,4-Dichloro-2-butene	53	12.257	12.258	-0.001	95	246963	100.0	105.0	
148 1,2,3-Trichloropropane	110	12.280	12.280	0.000	84	53254	20.0	19.5	
149 N-Propylbenzene	91	12.318	12.319	-0.001	99	705885	20.0	20.7	
150 2-Chlorotoluene	126	12.392	12.396	-0.004	97	143265	20.0	20.2	
151 1,3,5-Trimethylbenzene	105	12.454	12.457	-0.003	93	545644	20.0	20.2	
153 4-Chlorotoluene	126	12.486	12.486	0.000	97	135239	20.0	19.8	
154 tert-Butylbenzene	134	12.695	12.698	-0.003	93	99579	20.0	20.1	
156 1,2,4-Trimethylbenzene	105	12.740	12.740	0.000	97	554893	20.0	20.3	
157 sec-Butylbenzene	105	12.862	12.862	0.000	94	687719	20.0	20.3	
158 1,3-Dichlorobenzene	146	12.958	12.959	0.000	98	279373	20.0	20.2	
159 4-Isopropyltoluene	119	12.968	12.968	0.000	97	600458	20.0	20.1	
* 160 1,4-Dichlorobenzene-d4	152	13.013	13.013	0.000	95	500986	50.0	50.0	
161 1,4-Dichlorobenzene	146	13.032	13.029	0.003	95	282948	20.0	20.1	
162 1,2,3-Trimethylbenzene	105	13.045	13.045	0.000	98	574019	20.0	19.5	
163 Benzyl chloride	91	13.106	13.106	0.000	98	350195	20.0	19.6	
164 1,3-Diethylbenzene	119	13.171	13.171	0.000	96	367121	20.0	21.0	
165 p-Diethylbenzene	119	13.241	13.241	0.000	94	385719	20.0	21.1	
166 n-Butylbenzene	92	13.261	13.261	0.000	97	302625	20.0	20.7	
167 1,2-Dichlorobenzene	146	13.293	13.293	0.000	99	300849	20.0	20.4	
168 o-diethylbenzene	119	13.312	13.312	0.000	95	294604	20.0	20.1	
170 1,2-Dibromo-3-Chloropropane	75	13.833	13.827	0.006	87	45029	20.0	18.8	
171 1,3,5-Trichlorobenzene	180	13.962	13.958	0.004	98	259953	20.0	21.9	
172 1,2,4-Trichlorobenzene	180	14.383	14.383	0.000	94	264381	20.0	22.0	
173 2-Ethylhexyl acrylate	55	14.441	14.441	0.000	81	295237	20.0	23.1	
174 Hexachlorobutadiene	225	14.470	14.466	0.004	98	114271	20.0	25.9	
175 Naphthalene	128	14.563	14.563	0.000	96	872600	20.0	21.0	
176 1,2,3-Trichlorobenzene	180	14.704	14.704	0.000	96	275579	20.0	21.9	
177 2-Methylnaphthalene	142	15.318	15.319	-0.001	92	644706	20.0	26.3	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_LCS_VOC#1_00176	Amount Added:	50.00	Units: uL	
MSV_LCS_2CEVE_00180	Amount Added:	50.00	Units: uL	
MSV_LCS_CYC_00009	Amount Added:	50.00	Units: uL	
MSV_LCS_ACROL_00179	Amount Added:	50.00	Units: uL	
MSV_LCS_Gases_00207	Amount Added:	50.00	Units: uL	
MSV_LCS_EE_00009	Amount Added:	50.00	Units: uL	
MSV_LCS_OH_Sp_00015	Amount Added:	50.00	Units: uL	
MSV_HP23_ISSS_00014	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 16-Jul-2024 20:48:51 Chrom Revision: 2.3 26-Jun-2024 16:13:32

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9915\20240715-119345.b\LL15X19.D

Injection Date: 15-Jul-2024 20:42:30 Instrument ID: 9915 Operator ID: knk41612

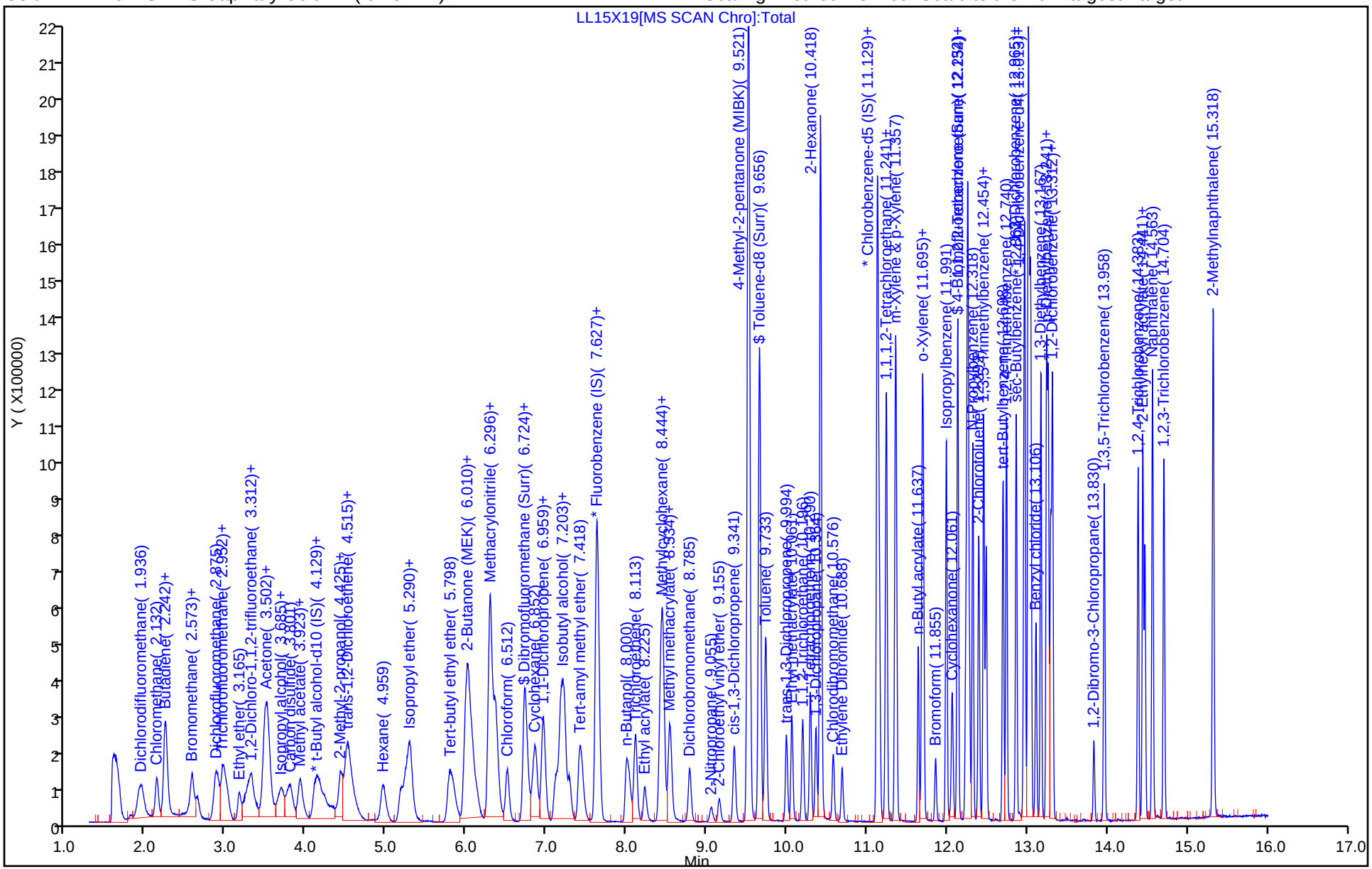
Lims ID: ICV Worklist Smp#: 20

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 19

Method: MSVoa_9915a 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

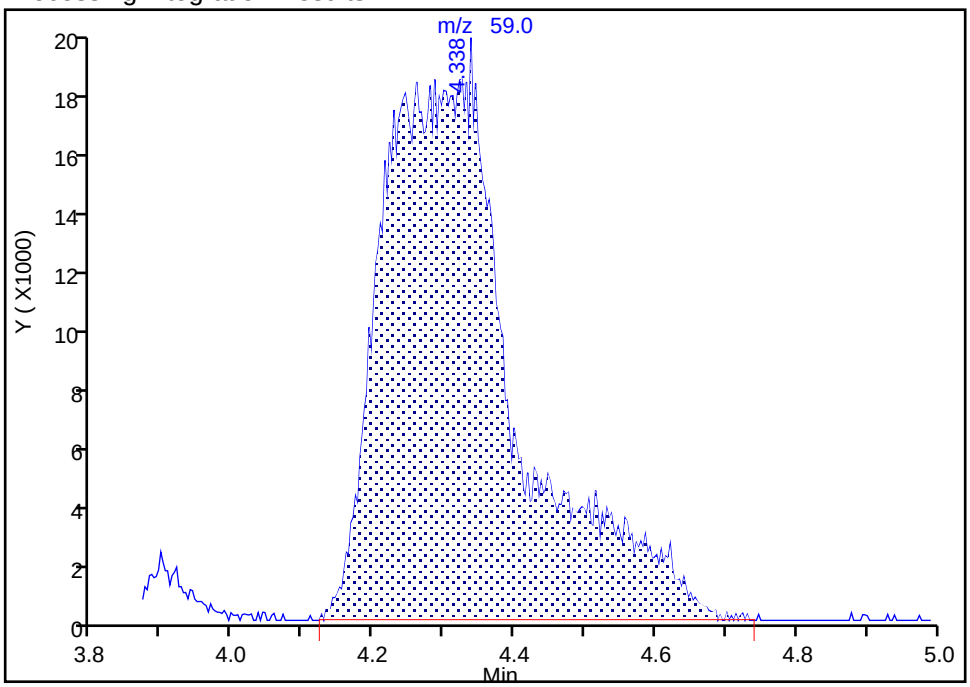
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Injection Date:	15-Jul-2024 20:42:30	Instrument ID:	9915		
Lims ID:	ICV				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	19	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

29 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

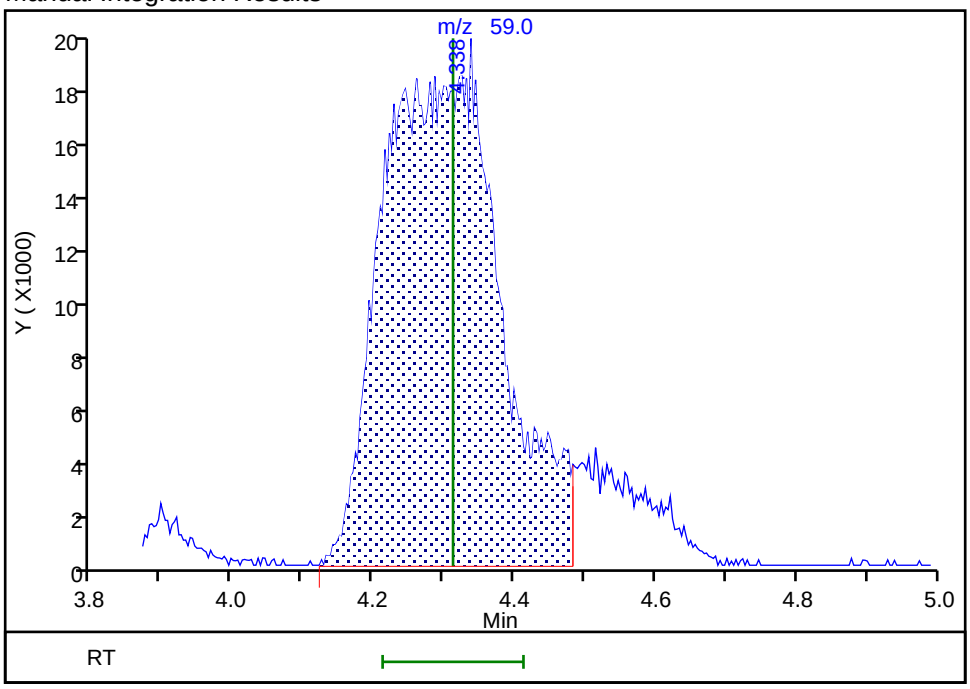
Processing Integration Results

RT: 4.34
Area: 243068
Amount: 227.7536
Amount Units: ug/l



Manual Integration Results

RT: 4.34
Area: 215655
Amount: 202.0677
Amount Units: ug/l



Reviewer: DVW2, 16-Jul-2024 07:59:11 -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

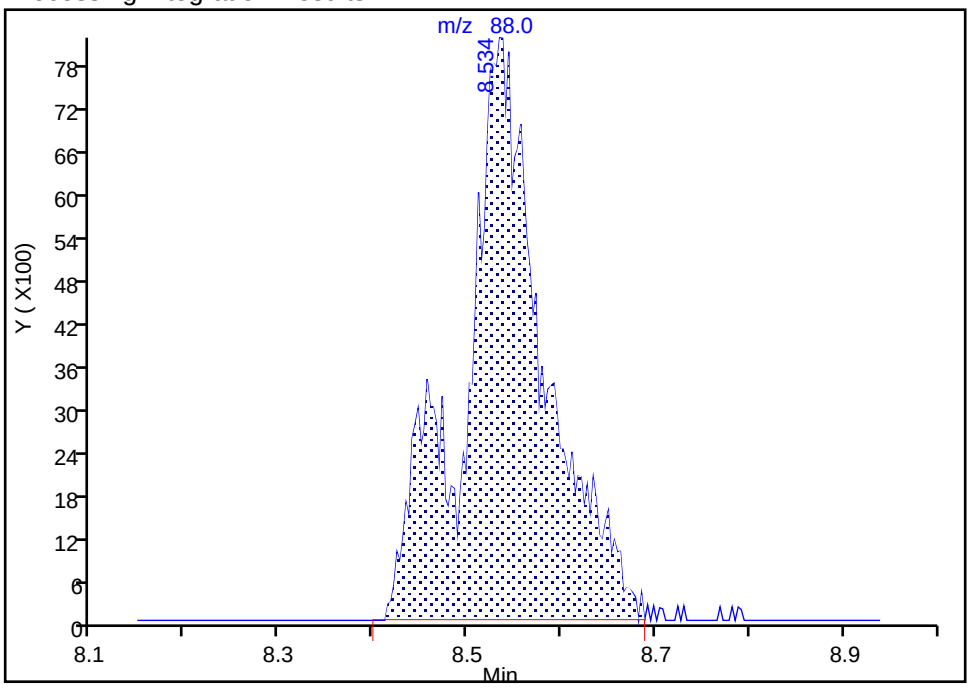
Data File:	\\chromfs\Lancaster\ChromData\9915\20240715-119345.b\LL15X19.D				
Injection Date:	15-Jul-2024 20:42:30	Instrument ID:	9915		
Lims ID:	ICV				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	19	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_9915a	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

72 1,4-Dioxane, CAS: 123-91-1

Signal: 1

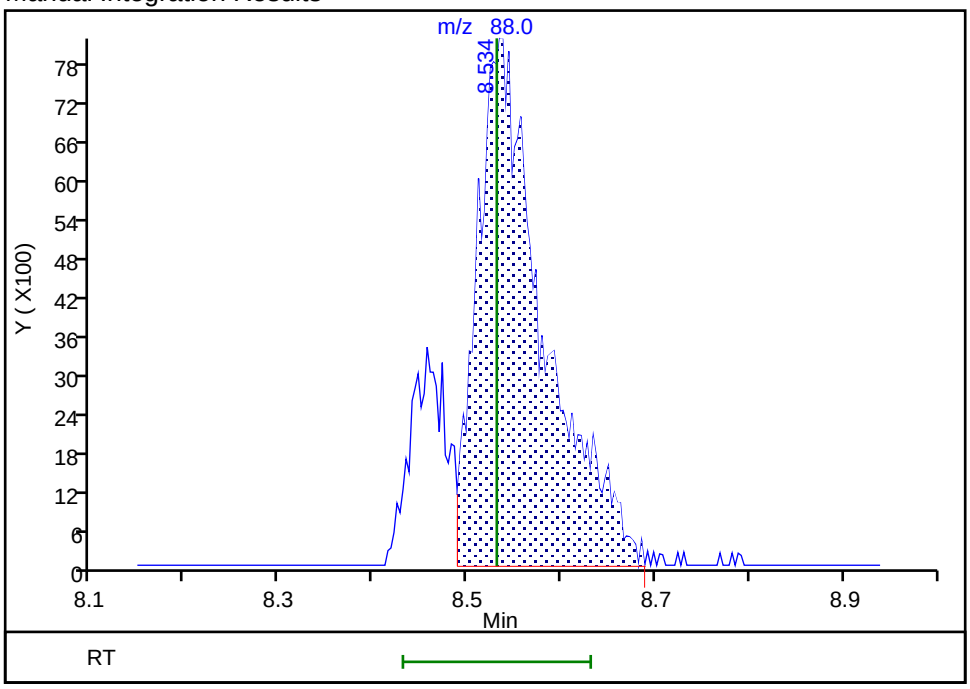
Processing Integration Results

RT: 8.53
Area: 48348
Amount: 596.7351
Amount Units: ug/l



Manual Integration Results

RT: 8.53
Area: 39730
Amount: 490.3675
Amount Units: ug/l



Reviewer: DVW2, 16-Jul-2024 07:59:26 -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.: 410-190105-1

SDG No.:

Lab Sample ID: CCVIS 410-560477/3 Calibration Date: 10/08/2024 08:30

Instrument ID: 9915 Calib Start Date: 07/15/2024 17:41

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 07/15/2024 19:57

Lab File ID: LC08X02.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	0.4369	0.4268	0.1000	48.9	50.0	-2.3	20.0
Chloromethane	Ave	0.4865	0.5315	0.1000	54.6	50.0	9.2	20.0
1,3-Butadiene	Ave	0.4663	0.5913		63.4	50.0	26.8*	20.0
Vinyl chloride	Ave	0.4761	0.4949	0.1000	52.0	50.0	3.9	20.0
Bromomethane	Ave	0.3695	0.3603	0.1000	48.8	50.0	-2.5	20.0
Chloroethane	Ave	0.2493	0.2545	0.1000	51.0	50.0	2.1	20.0
Dichlorofluoromethane	Ave	0.7671	0.7476		48.7	50.0	-2.5	20.0
n-Pentane	Ave	0.3968	0.3845		48.5	50.0	-3.1	20.0
Trichlorofluoromethane	Ave	0.5729	0.5154	0.1000	45.0	50.0	-10.0	20.0
Freon 123a	Ave	0.3548	0.3282		46.2	50.0	-7.5	20.0
Acrolein	Ave	1.435	1.629		569	501	13.5	20.0
1,1-Dichloroethene	Ave	0.2625	0.2195	0.1000	41.8	50.0	-16.4	20.0
Acetone	Ave	0.6783	0.7085	0.1000	104	100	4.4	20.0
Freon 113	Ave	0.3019	0.2935	0.1000	48.6	50.0	-2.8	20.0
2-Propanol	Ave	0.4842	0.5701		294	250	17.8	20.0
Methyl iodide	Ave	0.5519	0.4842		43.9	50.0	-12.3	20.0
Carbon disulfide	Ave	0.9616	0.9819	0.1000	51.1	50.0	2.1	20.0
Methyl acetate	Ave	0.2101	0.2522	0.1000	60.0	50.0	20.0	20.0
Allyl chloride	Ave	0.3662	0.3614		49.4	50.0	-1.3	20.0
Methylene Chloride	Ave	0.3180	0.2814	0.1000	44.3	50.0	-11.5	20.0
t-Butyl alcohol	Ave	0.9013	0.9827		273	250	9.0	20.0
Acrylonitrile	Ave	0.1207	0.1420		147	125	17.7	20.0
Methyl tert-butyl ether	Ave	0.9582	0.9046	0.1000	47.2	50.0	-5.6	20.0
trans-1,2-Dichloroethene	Ave	0.2458	0.2322	0.1000	47.2	50.0	-5.5	20.0
n-Hexane	Ave	0.3020	0.3421		56.6	50.0	13.3	20.0
1,1-Dichloroethane	Ave	0.3978	0.4093	0.2000	51.4	50.0	2.9	20.0
Isopropyl ether	Ave	0.8214	0.8498		51.7	50.0	3.5	20.0
2-Chloro-1,3-butadiene	Ave	0.3449	0.3427		49.7	50.0	-0.6	20.0
Ethyl t-butyl ether	Ave	0.8734	0.8632		49.4	50.0	-1.2	20.0
2-Butanone (MEK)	Ave	0.1564	0.1569	0.1000	100	100	0.3	20.0
cis-1,2-Dichloroethene	Ave	0.2693	0.2743	0.1000	50.9	50.0	1.9	20.0
2,2-Dichloropropane	Ave	0.4537	0.4324		47.7	50.0	-4.7	20.0
Propionitrile	Ave	1.007	1.295		322	250	28.7*	20.0
Methacrylonitrile	Ave	0.1272	0.1503		148	125	18.2	20.0
Bromochloromethane	Ave	0.1414	0.1425		50.4	50.0	0.8	20.0
Tetrahydrofuran	Ave	0.8994	1.070		297	250	19.0	20.0
Chloroform	Ave	0.4459	0.4194	0.2000	47.0	50.0	-6.0	20.0
1,1,1-Trichloroethane	Ave	0.4567	0.4211	0.1000	46.1	50.0	-7.8	20.0
Cyclohexane	Ave	0.5071	0.5034	0.1000	49.6	50.0	-0.7	20.0
1,1-Dichloropropene	Ave	0.3204	0.3355		52.4	50.0	4.7	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1

SDG No.:

Lab Sample ID: CCVIS 410-560477/3 Calibration Date: 10/08/2024 08:30

Instrument ID: 9915 Calib Start Date: 07/15/2024 17:41

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 07/15/2024 19:57

Lab File ID: LC08X02.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	0.3646	0.3551	0.1000	48.7	50.0	-2.6	20.0
Isobutyl alcohol	Ave	0.3188	0.3303		647	625	3.6	20.0
Benzene	Ave	0.9920	1.063	0.5000	53.6	50.0	7.2	20.0
1,2-Dichloroethane	Ave	0.3355	0.3413	0.1000	50.9	50.0	1.7	20.0
t-Amyl methyl ether	Ave	0.8534	0.8203		48.1	50.0	-3.9	20.0
n-Heptane	Ave	0.3218	0.3859		60.0	50.0	19.9	20.0
n-Butanol	Ave	0.2159	0.2503		724	625	15.9	20.0
Trichloroethene	Ave	0.2573	0.2602	0.2000	50.6	50.0	1.1	20.0
Methylcyclohexane	Ave	0.5053	0.5125	0.1000	50.7	50.0	1.4	20.0
1,2-Dichloropropane	Ave	0.2459	0.2785	0.1000	56.6	50.0	13.3	20.0
t-Amyl ethyl ether	Ave	0.4048	0.3817		47.2	50.0	-5.7	20.0
Methyl methacrylate	Ave	0.2085	0.2313		55.5	50.0	11.0	20.0
1,4-Dioxane	Ave	0.0684	0.0918	0.0050	838	625	34.1*	20.0
Dibromomethane	Ave	0.1799	0.1852		51.5	50.0	2.9	20.0
Bromodichloromethane	Ave	0.3117	0.3336	0.2000	53.5	50.0	7.1	20.0
2-Nitropropane	Ave	1.745	1.983		284	250	13.6	20.0
2-Chloroethyl vinyl ether	Ave	0.0920	0.1608		87.4	50.0	74.8*	20.0
cis-1,3-Dichloropropene	Ave	0.3850	0.4127	0.2000	53.6	50.0	7.2	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.3682	0.3890	0.1000	106	100	5.6	20.0
Toluene	Ave	0.7877	0.8588	0.4000	54.5	50.0	9.0	20.0
trans-1,3-Dichloropropene	Ave	0.4359	0.4920	0.1000	56.4	50.0	12.9	20.0
Ethyl methacrylate	Ave	0.4933	0.5372		54.5	50.0	8.9	20.0
1,1,2-Trichloroethane	Ave	0.2918	0.3285	0.1000	56.3	50.0	12.6	20.0
Tetrachloroethene	Ave	0.3328	0.3596	0.2000	54.0	50.0	8.1	20.0
1,3-Dichloropropane	Ave	0.4649	0.5503		59.2	50.0	18.4	20.0
2-Hexanone	Ave	0.2978	0.3347	0.1000	112	100	12.4	20.0
Dibromochloromethane	Ave	0.3090	0.3706		60.0	50.0	19.9	20.0
1,2-Dibromoethane (EDB)	Ave	0.3135	0.3586	0.1000	57.2	50.0	14.4	20.0
1-Chlorohexane	Ave	0.4362	0.4372		50.1	50.0	0.2	20.0
Chlorobenzene	Ave	0.8743	0.9682	0.5000	55.4	50.0	10.7	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3565	0.3909		54.8	50.0	9.6	20.0
Ethylbenzene	Ave	1.610	1.729	0.1000	53.7	50.0	7.4	20.0
m&p-Xylene	Ave	0.6281	0.6803	0.1000	108	100	8.3	20.0
o-Xylene	Ave	0.6774	0.7034	0.3000	51.9	50.0	3.8	20.0
Styrene	Ave	1.023	1.066	0.3000	52.1	50.0	4.2	20.0
Bromoform	Ave	0.2271	0.2649	0.1000	58.3	50.0	16.7	20.0
Isopropylbenzene	Ave	1.705	1.735	0.1000	50.9	50.0	1.8	20.0
1,1,2,2-Tetrachloroethane	Ave	0.9129	1.061	0.3000	58.1	50.0	16.2	20.0
Bromobenzene	Ave	0.6934	0.7457		53.8	50.0	7.5	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2347	0.1370		73.0	125	-41.6*	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1

SDG No.:

Lab Sample ID: CCVIS 410-560477/3 Calibration Date: 10/08/2024 08:30

Instrument ID: 9915 Calib Start Date: 07/15/2024 17:41

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 07/15/2024 19:57

Lab File ID: LC08X02.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	0.2723	0.3041		55.8	50.0	11.7	20.0
N-Propylbenzene	Ave	3.405	3.855		56.6	50.0	13.2	20.0
2-Chlorotoluene	Ave	0.7088	0.7881		55.6	50.0	11.2	20.0
1,3,5-Trimethylbenzene	Ave	2.689	2.966		55.1	50.0	10.3	20.0
4-Chlorotoluene	Ave	0.6813	0.7368		54.1	50.0	8.2	20.0
tert-Butylbenzene	Ave	0.4933	0.5953		60.3	50.0	20.7*	20.0
1,2,4-Trimethylbenzene	Ave	2.727	2.997		55.0	50.0	9.9	20.0
sec-Butylbenzene	Ave	3.380	4.059		60.0	50.0	20.1*	20.0
1,3-Dichlorobenzene	Ave	1.379	1.524	0.6000	55.3	50.0	10.5	20.0
p-Isopropyltoluene	Ave	2.981	3.421		57.4	50.0	14.7	20.0
1,4-Dichlorobenzene	Ave	1.405	1.541	0.5000	54.8	50.0	9.7	20.0
1,2,3-Trimethylbenzene	Ave	2.943	3.333		56.6	50.0	13.3	20.0
Benzyl chloride	Ave	1.782	2.081		58.4	50.0	16.8	20.0
1,3-Diethylbenzene	Ave	1.748	1.937		55.4	50.0	10.8	20.0
1,4-Diethylbenzene	Ave	1.826	2.041		55.9	50.0	11.8	20.0
n-Butylbenzene	Ave	1.459	1.728		59.2	50.0	18.5	20.0
1,2-Dichlorobenzene	Ave	1.473	1.636	0.4000	55.6	50.0	11.1	20.0
1,2-Diethylbenzene	Ave	1.464	1.711		58.4	50.0	16.9	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.2386	0.2462	0.0500	51.6	50.0	3.2	20.0
1,3,5-Trichlorobenzene	Ave	1.187	1.355		57.1	50.0	14.2	20.0
1,2,4-Trichlorobenzene	Ave	1.199	1.305	0.2000	54.4	50.0	8.8	20.0
Hexachlorobutadiene	Ave	0.4404	0.5142		58.4	50.0	16.8	20.0
Naphthalene	Ave	4.148	4.043		48.7	50.0	-2.5	20.0
1,2,3-Trichlorobenzene	Ave	1.254	1.257		50.1	50.0	0.2	20.0
2-Methylnaphthalene	Ave	2.447	1.144		23.4	50.0	-53.2*	20.0
Dibromofluoromethane (Surr)	Ave	0.2508	0.2397		47.8	50.0	-4.4	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0606	0.0577		47.6	50.0	-4.8	20.0
Toluene-d8 (Surr)	Ave	1.267	1.315		51.9	50.0	3.8	20.0
4-Bromofluorobenzene (Surr)	Ave	0.5005	0.4643		46.4	50.0	-7.2	20.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9915\20241008-127062.b\LC08X02.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 08-Oct-2024 08:30:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0127062-003
Misc. Info.: CCVIS
Operator ID: clm27445 Instrument ID: 9915
Sublist: chrom-MSVoa_9915a*sub55

Method: \\chromfs\Lancaster\ChromData\9915\20241008-127062.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 08-Oct-2024 11:14:24 Calib Date: 15-Jul-2024 19:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20240715-119345.b\LL15X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1606

First Level Reviewer: TQ4J Date: 08-Oct-2024 09:54:58

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Dichlorodifluoromethane	85	1.933	1.933	0.000	99	483117	50.0	48.9	
5 Chloromethane	50	2.132	2.132	0.000	99	601621	50.0	54.6	
6 Butadiene	39	2.235	2.235	0.000	93	669284	50.0	63.4	
7 Vinyl chloride	62	2.245	2.245	0.000	98	560145	50.0	52.0	
9 Bromomethane	94	2.576	2.576	0.000	91	407860	50.0	48.8	
10 Chloroethane	64	2.637	2.637	0.000	99	288032	50.0	51.0	
11 Dichlorofluoromethane	67	2.878	2.878	0.000	97	846229	50.0	48.7	
12 Trichlorofluoromethane	101	2.956	2.956	0.000	94	583380	50.0	45.0	M
13 Pentane	43	2.956	2.956	0.000	98	435247	50.0	48.5	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.267	3.267	0.000	94	371452	50.0	46.2	
17 Acrolein	56	3.319	3.319	0.000	100	870021	501.1	568.8	
18 1,1-Dichloroethene	96	3.464	3.464	0.000	98	248486	50.0	41.8	
19 Acetone	58	3.483	3.483	0.000	100	75539	100.0	104.4	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.515	3.515	0.000	94	332201	50.0	48.6	
21 Isopropyl alcohol	45	3.644	3.644	0.000	38	151971	250.0	294.4	
22 Iodomethane	142	3.650	3.650	0.000	98	548109	50.0	43.9	
23 Carbon disulfide	76	3.753	3.753	0.000	99	1111348	50.0	51.1	
25 Methyl acetate	43	3.888	3.888	0.000	99	285450	50.0	60.0	M
26 3-Chloro-1-propene	41	3.920	3.920	0.000	92	409099	50.0	49.4	
27 Methylene Chloride	84	4.097	4.097	0.000	94	318548	50.0	44.3	
* 28 t-Butyl alcohol-d10 (IS)	65	4.126	4.126	0.000	93	266548	250.0	250.0	
29 2-Methyl-2-propanol	59	4.261	4.261	0.000	99	261934	250.0	272.6	
30 Acrylonitrile	53	4.419	4.419	0.000	100	401950	125.0	147.1	
31 Methyl tert-butyl ether	73	4.499	4.499	0.000	90	1023876	50.0	47.2	
32 trans-1,2-Dichloroethene	96	4.505	4.505	0.000	98	262849	50.0	47.2	
35 Hexane	57	4.949	4.949	0.000	92	387206	50.0	56.6	
36 1,1-Dichloroethane	63	5.177	5.177	0.000	96	463329	50.0	51.4	
38 Isopropyl ether	45	5.248	5.248	0.000	96	961909	50.0	51.7	
39 2-Chloro-1,3-butadiene	53	5.290	5.290	0.000	90	387869	50.0	49.7	
40 Tert-butyl ethyl ether	59	5.782	5.782	0.000	98	977018	50.0	49.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
41 2-Butanone (MEK)	43	5.988	5.988	0.000	99	355153	100.0	100.3	
42 cis-1,2-Dichloroethene	96	6.013	6.013	0.000	88	310482	50.0	50.9	
43 2,2-Dichloropropane	77	6.033	6.033	0.000	88	489421	50.0	47.7	
46 Propionitrile	54	6.074	6.074	0.000	96	345255	250.0	321.6	
48 Methacrylonitrile	67	6.290	6.290	0.000	92	425371	125.0	147.8	
49 Chlorobromomethane	128	6.348	6.348	0.000	94	161304	50.0	50.4	
50 Tetrahydrofuran	71	6.364	6.364	0.000	93	285258	250.0	297.5	
51 Chloroform	83	6.502	6.502	0.000	93	474658	50.0	47.0	
$ 52 Dibromofluoromethane (Surr)	113	6.711	6.711	0.000	93	271354	50.0	47.8	
53 1,1,1-Trichloroethane	97	6.734	6.734	0.000	98	476652	50.0	46.1	
54 Cyclohexane	56	6.846	6.846	0.000	90	569840	50.0	49.6	
56 1,1-Dichloropropene	75	6.949	6.949	0.000	96	379781	50.0	52.4	
55 Carbon tetrachloride	117	6.955	6.955	0.000	90	401941	50.0	48.7	
57 Isobutyl alcohol	41	7.110	7.110	0.000	91	220077	625.0	647.4	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	7.174	7.174	0.000	96	65273	50.0	47.6	
59 Benzene	78	7.213	7.213	0.000	96	1203318	50.0	53.6	
60 1,2-Dichloroethane	62	7.274	7.274	0.000	97	386353	50.0	50.9	
62 Tert-amyl methyl ether	73	7.412	7.412	0.000	99	928487	50.0	48.1	
* 63 Fluorobenzene (IS)	96	7.621	7.621	0.000	99	1131873	50.0	50.0	
64 n-Heptane	43	7.647	7.647	0.000	92	436812	50.0	60.0	
66 n-Butanol	56	8.010	8.010	0.000	92	166765	625.0	724.4	
67 Trichloroethene	95	8.103	8.103	0.000	99	294506	50.0	50.6	
69 Methylcyclohexane	83	8.415	8.415	0.000	92	580033	50.0	50.7	
70 1,2-Dichloropropane	63	8.434	8.434	0.000	94	315269	50.0	56.6	
71 2-ethoxy-2-methyl butane	87	8.447	8.447	0.000	94	432064	50.0	47.2	
72 Methyl methacrylate	69	8.524	8.524	0.000	92	261855	50.0	55.5	
73 1,4-Dioxane	88	8.531	8.531	0.000	32	61141	625.0	838.1	
74 Dibromomethane	93	8.541	8.541	0.000	97	209586	50.0	51.5	
76 Dichlorobromomethane	83	8.782	8.782	0.000	99	377627	50.0	53.5	
77 2-Nitropropane	41	9.049	9.049	0.000	98	528439	250.0	284.0	
78 2-Chloroethyl vinyl ether	63	9.155	9.155	0.000	91	181992	50.0	87.4	
79 cis-1,3-Dichloropropene	75	9.335	9.335	0.000	96	467128	50.0	53.6	
80 4-Methyl-2-pentanone (MIBK)	43	9.515	9.515	0.000	97	880489	100.0	105.6	
$ 82 Toluene-d8 (Surr)	98	9.653	9.653	0.000	94	1125231	50.0	51.9	
90 Toluene	92	9.730	9.730	0.000	98	735080	50.0	54.5	
95 trans-1,3-Dichloropropene	75	9.987	9.987	0.000	93	421125	50.0	56.4	
114 Ethyl methacrylate	69	10.058	10.058	0.000	89	459841	50.0	54.5	
117 1,1,2-Trichloroethane	97	10.190	10.190	0.000	90	281202	50.0	56.3	
118 Tetrachloroethene	166	10.290	10.290	0.000	97	307797	50.0	54.0	
119 1,3-Dichloropropane	76	10.357	10.357	0.000	91	470997	50.0	59.2	
121 2-Hexanone	43	10.415	10.415	0.000	97	572922	100.0	112.4	
123 Chlorodibromomethane	129	10.573	10.573	0.000	90	317196	50.0	60.0	
124 Ethylene Dibromide	107	10.685	10.685	0.000	98	306920	50.0	57.2	
* 125 Chlorobenzene-d5 (IS)	117	11.122	11.122	0.000	85	855947	50.0	50.0	
127 1-Chlorohexane	91	11.135	11.135	0.000	98	374249	50.0	50.1	
128 Chlorobenzene	112	11.151	11.151	0.000	95	828748	50.0	55.4	
131 1,1,1,2-Tetrachloroethane	131	11.232	11.232	0.000	96	334553	50.0	54.8	
132 Ethylbenzene	91	11.238	11.238	0.000	98	1480026	50.0	53.7	
134 m-Xylene & p-Xylene	106	11.354	11.354	0.000	100	1164582	100.0	108.3	
136 o-Xylene	106	11.685	11.685	0.000	96	602091	50.0	51.9	
137 Styrene	104	11.701	11.701	0.000	95	912504	50.0	52.1	
138 Bromoform	173	11.852	11.852	0.000	97	226745	50.0	58.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
139 Isopropylbenzene	105	11.987	11.987	0.000	95	1485414	50.0	50.9	
$ 142 4-Bromofluorobenzene (Surr)	95	12.129	12.129	0.000	90	397401	50.0	46.4	
145 1,1,2,2-Tetrachloroethane	83	12.229	12.229	0.000	93	516158	50.0	58.1	
146 Bromobenzene	156	12.245	12.245	0.000	95	362912	50.0	53.8	
147 trans-1,4-Dichloro-2-butene	53	12.254	12.254	0.000	88	166732	125.0	73.0	
148 1,2,3-Trichloropropane	110	12.274	12.274	0.000	84	147992	50.0	55.8	
149 N-Propylbenzene	91	12.315	12.315	0.000	99	1876097	50.0	56.6	
150 2-Chlorotoluene	126	12.389	12.389	0.000	97	383524	50.0	55.6	
151 1,3,5-Trimethylbenzene	105	12.454	12.454	0.000	94	1443405	50.0	55.1	
152 4-Chlorotoluene	126	12.486	12.486	0.000	97	358591	50.0	54.1	
154 tert-Butylbenzene	134	12.695	12.695	0.000	93	289712	50.0	60.3	
156 1,2,4-Trimethylbenzene	105	12.737	12.737	0.000	97	1458457	50.0	55.0	
157 sec-Butylbenzene	105	12.859	12.859	0.000	94	1975251	50.0	60.0	
158 1,3-Dichlorobenzene	146	12.955	12.955	0.000	98	741661	50.0	55.3	
159 4-Isopropyltoluene	119	12.965	12.965	0.000	97	1664762	50.0	57.4	
* 161 1,4-Dichlorobenzene-d4	152	13.010	13.010	0.000	94	486670	50.0	50.0	
162 1,4-Dichlorobenzene	146	13.029	13.029	0.000	96	749952	50.0	54.8	
163 1,2,3-Trimethylbenzene	105	13.042	13.042	0.000	98	1622090	50.0	56.6	
164 Benzyl chloride	91	13.106	13.106	0.000	98	1012767	50.0	58.4	
165 1,3-Diethylbenzene	119	13.167	13.167	0.000	95	942782	50.0	55.4	
166 p-Diethylbenzene	119	13.238	13.238	0.000	93	993321	50.0	55.9	
167 n-Butylbenzene	92	13.257	13.257	0.000	97	840800	50.0	59.2	
168 1,2-Dichlorobenzene	146	13.290	13.290	0.000	99	796417	50.0	55.6	
169 o-diethylbenzene	119	13.312	13.312	0.000	95	832837	50.0	58.4	
171 1,2-Dibromo-3-Chloropropane	75	13.827	13.827	0.000	87	119823	50.0	51.6	
172 1,3,5-Trichlorobenzene	180	13.958	13.958	0.000	97	659315	50.0	57.1	
173 1,2,4-Trichlorobenzene	180	14.380	14.380	0.000	94	634871	50.0	54.4	
175 Hexachlorobutadiene	225	14.466	14.466	0.000	98	250240	50.0	58.4	
176 Naphthalene	128	14.560	14.560	0.000	97	1967672	50.0	48.7	
177 1,2,3-Trichlorobenzene	180	14.704	14.704	0.000	96	611653	50.0	50.1	
178 2-Methylnaphthalene	142	15.322	15.322	0.000	92	556798	50.0	23.4	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_VOC#1_00204	Amount Added:	5.00	Units: uL	
MSV_CCV_2CEVE_00196	Amount Added:	5.00	Units: uL	
MSV_CCV_VOC#3_00201	Amount Added:	4.00	Units: uL	
MSV_CCV_GASES_00869	Amount Added:	2.50	Units: uL	
MSV_HP23_ISSS_00014	Amount Added:	1.00	Units: uL	Run Reagent

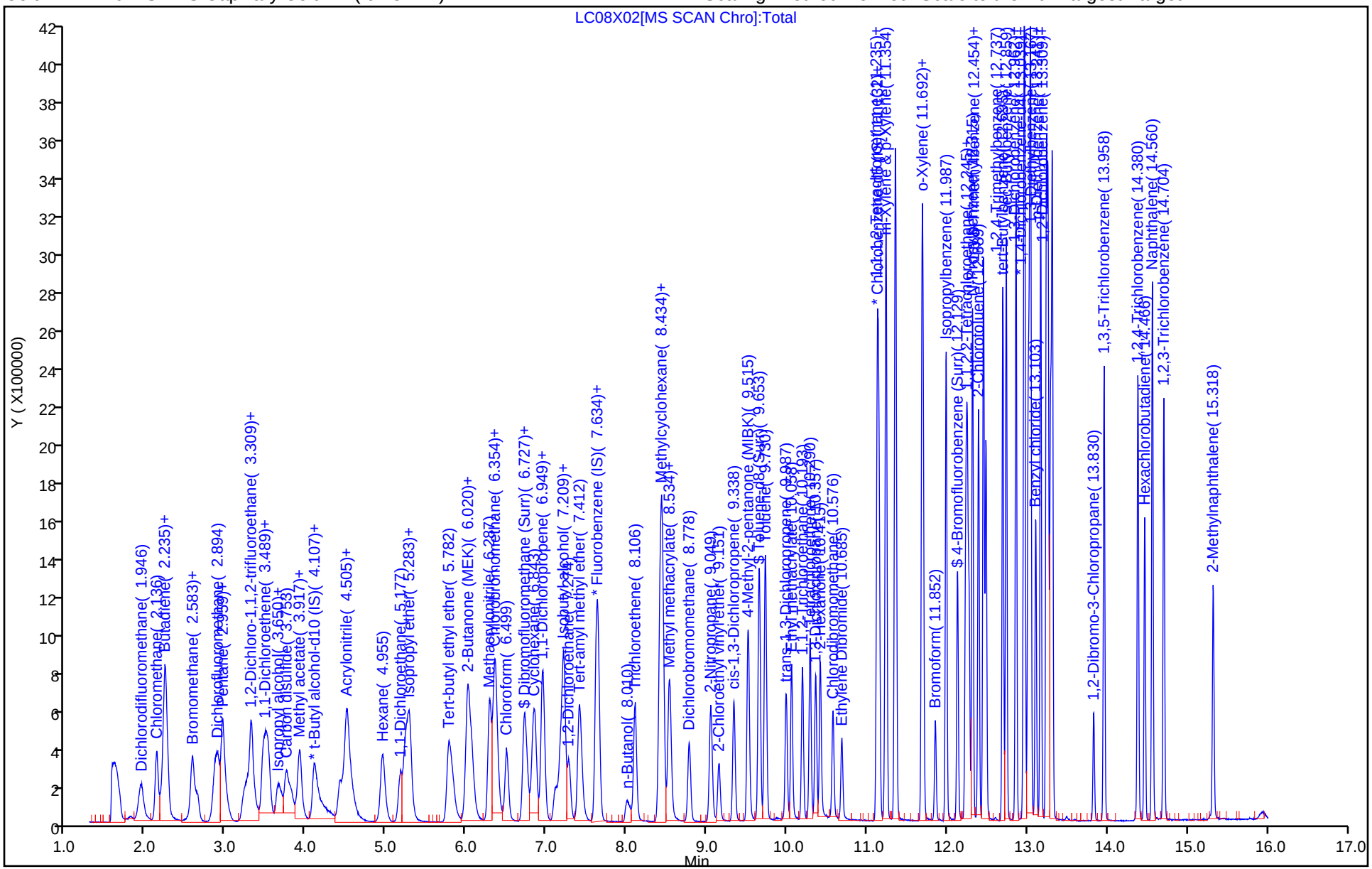
Report Date: 08-Oct-2024 11:14:24 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9915\20241008-127062.b\LC08X02.D

Injection Date:	08-Oct-2024 08:30:30	Instrument ID:	9915	Operator ID:	clm27445
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	MSVoa_9915a	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

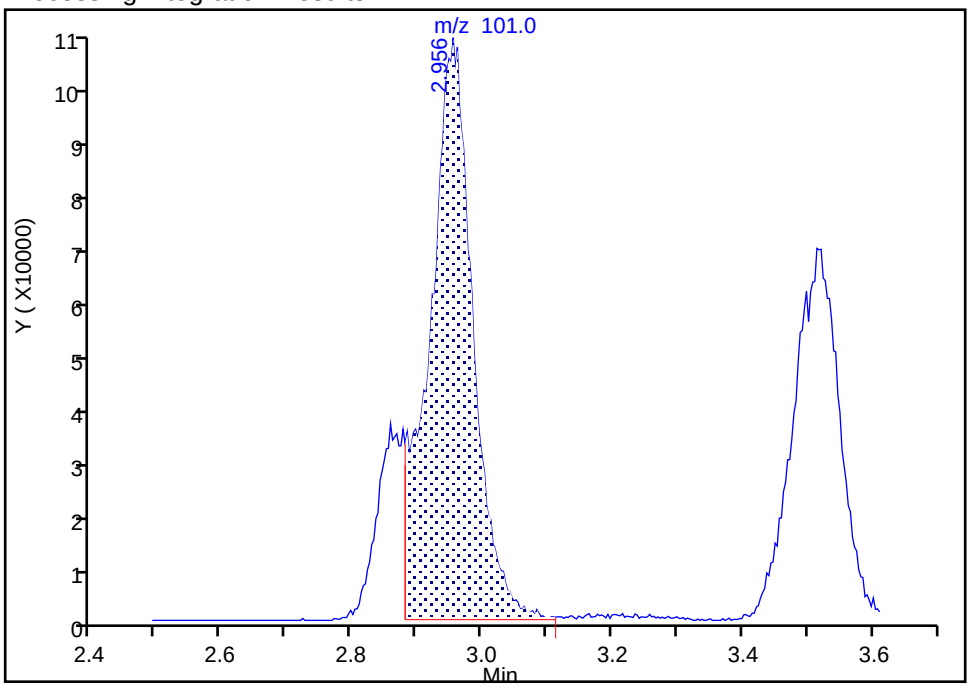
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Injection Date: 08-Oct-2024 08:30:30 Instrument ID: 9915
Lims ID: CCVIS
Client ID:
Operator ID: clm27445 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

12 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

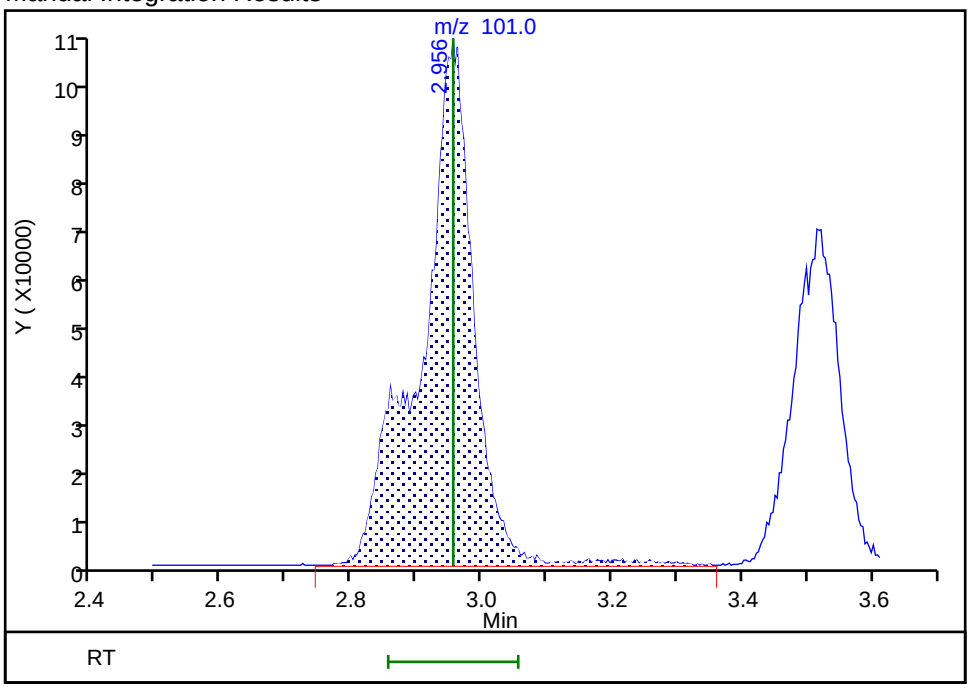
Processing Integration Results

RT: 2.96
Area: 481485
Amount: 37.128626
Amount Units: ug/l



Manual Integration Results

RT: 2.96
Area: 583380
Amount: 44.986028
Amount Units: ug/l



Reviewer: TQ4J, 08-Oct-2024 09:36:32 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

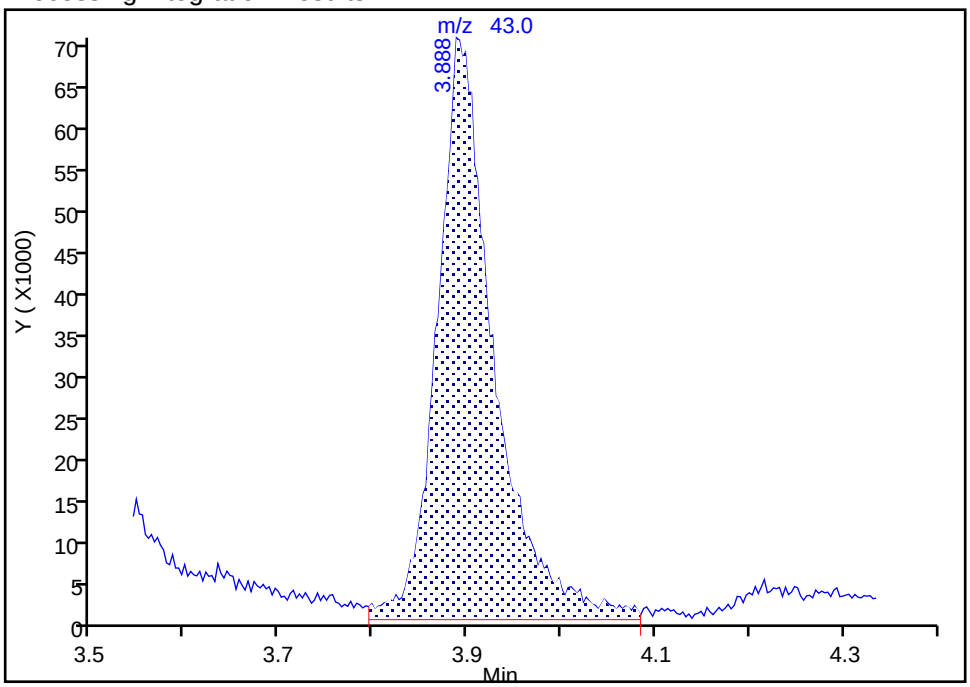
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Injection Date: 08-Oct-2024 08:30:30 Instrument ID: 9915
Lims ID: CCVIS
Client ID:
Operator ID: clm27445 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

25 Methyl acetate, CAS: 79-20-9

Signal: 1

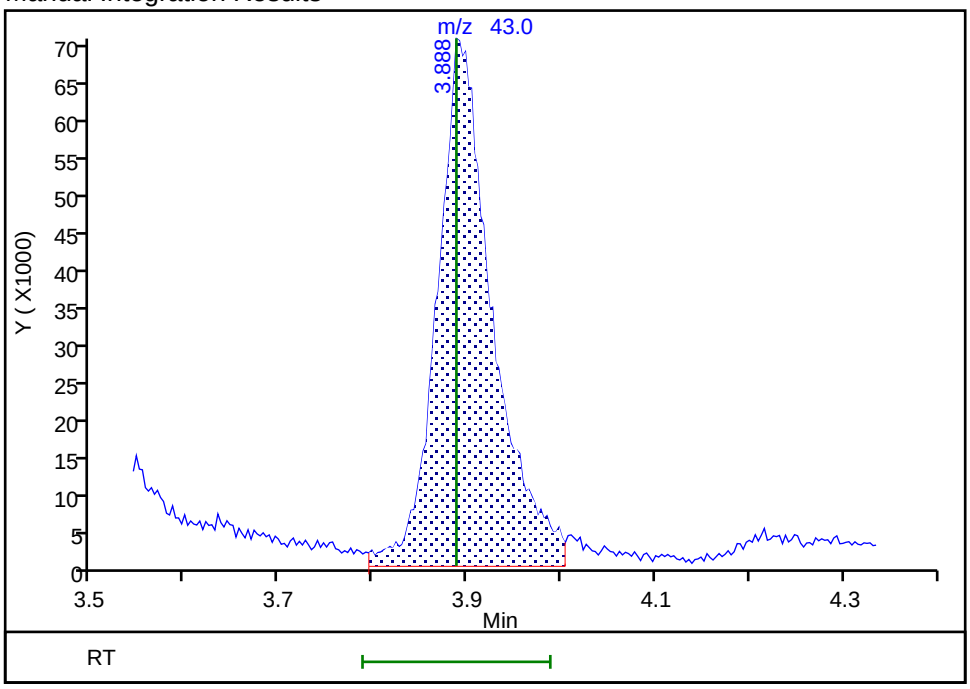
Processing Integration Results

RT: 3.89
Area: 295703
Amount: 62.161262
Amount Units: ug/l



Manual Integration Results

RT: 3.89
Area: 285450
Amount: 60.005926
Amount Units: ug/l



Reviewer: TQ4J, 08-Oct-2024 09:36:42 -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\23297\20240917-125144.b\4S17T01.D
Lims ID: bfb
Client ID:
Sample Type: BFB
Inject. Date: 17-Sep-2024 14:17:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 410-0125144-001
Misc. Info.: BFB
Operator ID: jml01693 Instrument ID: 23297

Method: \\chromfs\Lancaster\ChromData\23297\20240917-125144.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 17-Sep-2024 21:21:36 Calib Date: 17-Sep-2024 18:24:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20240917-125144.b\4S17X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1647

First Level Reviewer: UJML Date: 17-Sep-2024 14:31:42

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 33 BFB	95	4.554	4.554	0.000	0	329318	NC	NC	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

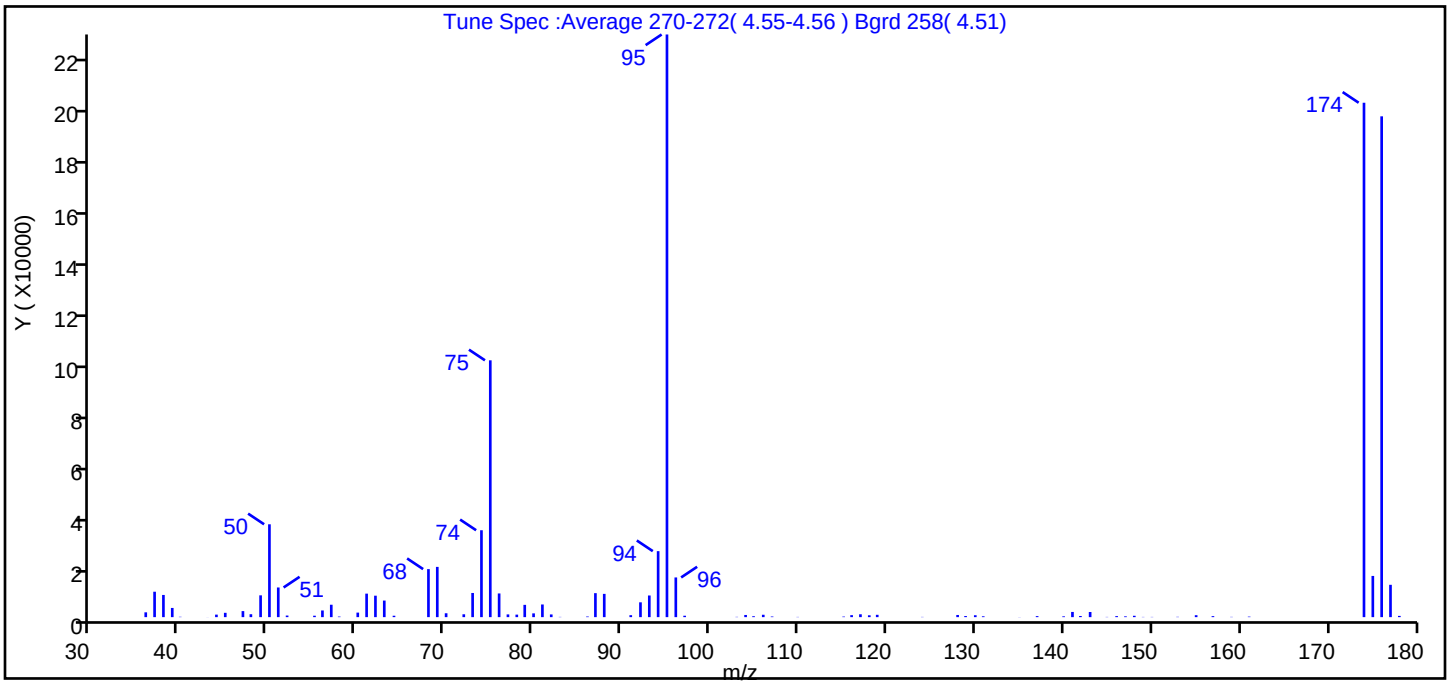
MSV_V_BFB_00017 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\23297\20240917-125144.b\4S17T01.D				
Injection Date:	17-Sep-2024 14:17:30	Instrument ID:	23297		
Lims ID:	bfb				
Client ID:					
Operator ID:	jml01693	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Method:	MSVoa_23297	Limit Group:	MSV - 8260C_D		
Tune Method:	BFB Method 8260				

$ 33 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	15.9
75	30 to 60% of m/z 95	44.1
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	88.3
175	5 to 9% of m/z 174	7.1 (8.0)
176	Greater than 95% but less than 101% of m/z 174	86.0 (97.4)
177	5 to 9% of m/z 176	5.5 (6.5)

Data File: \\chromfs\Lancaster\ChromData\23297\20240917-125144.b\4S17T01.D\MSVoa_23297.rslt\spectra.d
Injection Date: 17-Sep-2024 14:17:30
Spectrum: Tune Spec :Average 270-272(4.55-4.56) Bgrd 258(4.51)
Base Peak: 95.10
Minimum % Base Peak: 0
Number of Points: 86

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1837	64.00	538	94.00	25184	140.00	304
37.00	9700	68.00	18328	95.00	222336	141.00	1985
38.00	8469	69.00	19176	96.00	15148	142.00	441
39.00	3511	70.00	1484	97.00	540	143.00	1960
40.00	136	72.00	1095	103.00	106	145.00	88
43.00	24	73.00	9219	104.00	828	146.00	395
44.00	962	74.00	33160	105.00	348	147.00	303
45.00	1651	75.00	98000	106.00	911	148.00	521
47.00	2303	76.00	9040	107.00	240	149.00	85
48.00	1115	77.00	1044	110.00	86	150.00	86
49.00	8320	78.00	960	115.00	215	153.00	120
50.00	35432	79.00	4689	116.00	761	155.00	740
51.00	11320	80.00	1441	117.00	1094	157.00	379
52.00	609	81.00	4835	118.00	708	159.00	100
55.00	546	82.00	1034	119.00	891	161.00	201
56.00	2550	83.00	92	124.00	91	174.00	196288
57.00	4735	86.00	238	128.00	828	175.00	15723
58.00	220	87.00	9154	129.00	424	176.00	191104
60.00	1731	88.00	8880	130.00	723	177.00	12339
61.00	8971	91.00	748	131.00	320	178.00	479
62.00	8185	92.00	5658	135.00	46		
63.00	6326	93.00	8263	137.00	392		

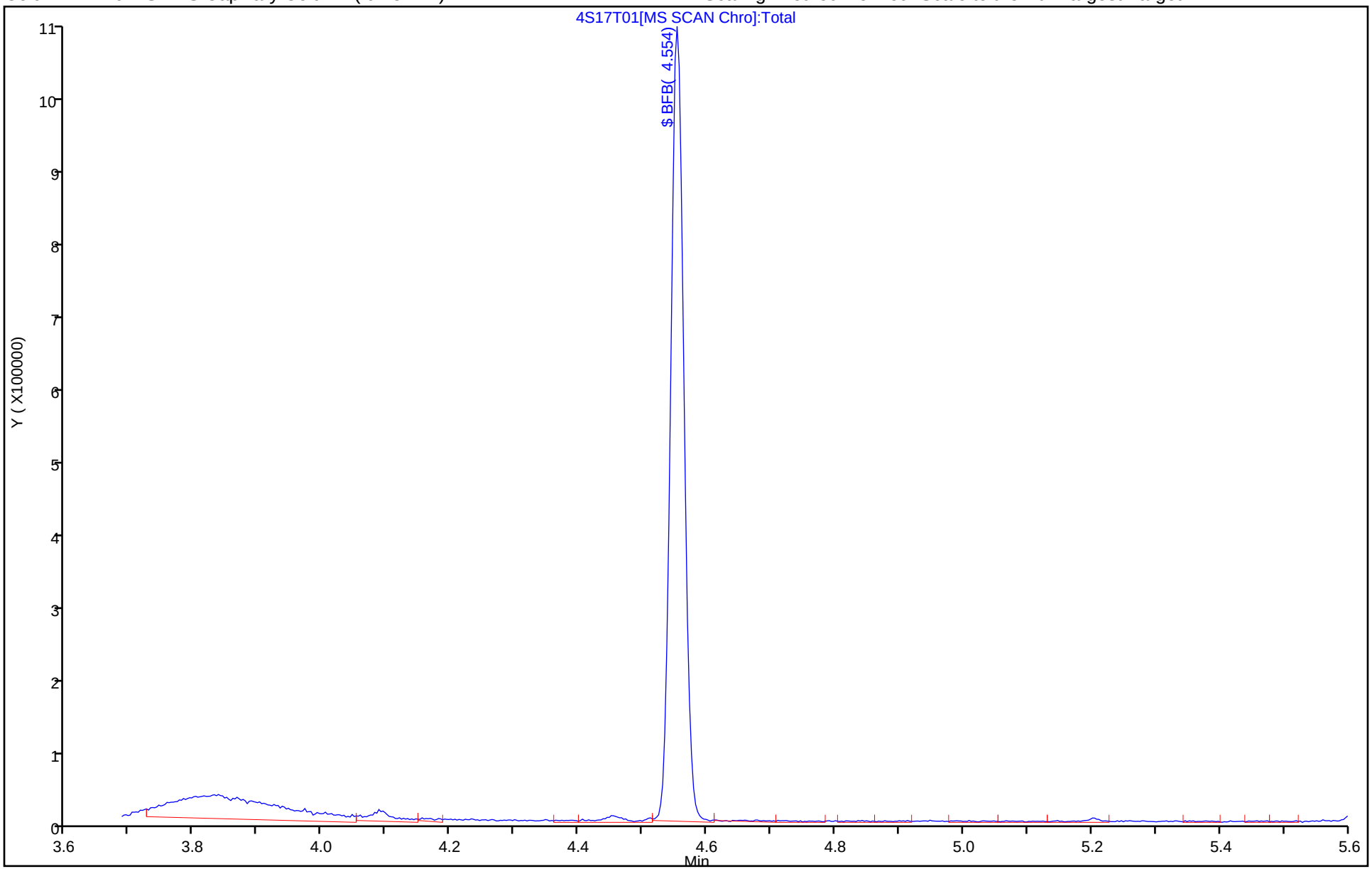
Report Date: 17-Sep-2024 21:21:37 Chrom Revision: 2.3 12-Sep-2024 11:12:44

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20240917-125144.b\4S17T01.D

Injection Date:	17-Sep-2024 14:17:30	Instrument ID:	23297	Operator ID:	jml01693
Lims ID:	bfb			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSVoa_23297	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\23297\20241001-126519.b\4C01T31.D
Lims ID: bfb
Client ID:
Sample Type: BFB
Inject. Date: 01-Oct-2024 20:51:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 410-0126519-001
Misc. Info.: BFB
Operator ID: AGD105956 Instrument ID: 23297

Method: \\chromfs\Lancaster\ChromData\23297\20241001-126519.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 01-Oct-2024 23:26:49 Calib Date: 17-Sep-2024 18:24:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20240917-125144.b\4S17X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1626

First Level Reviewer: JS6E Date: 01-Oct-2024 23:08:23

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 33 BFB	95	4.554	4.554	0.000	0	282515	NC	NC	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

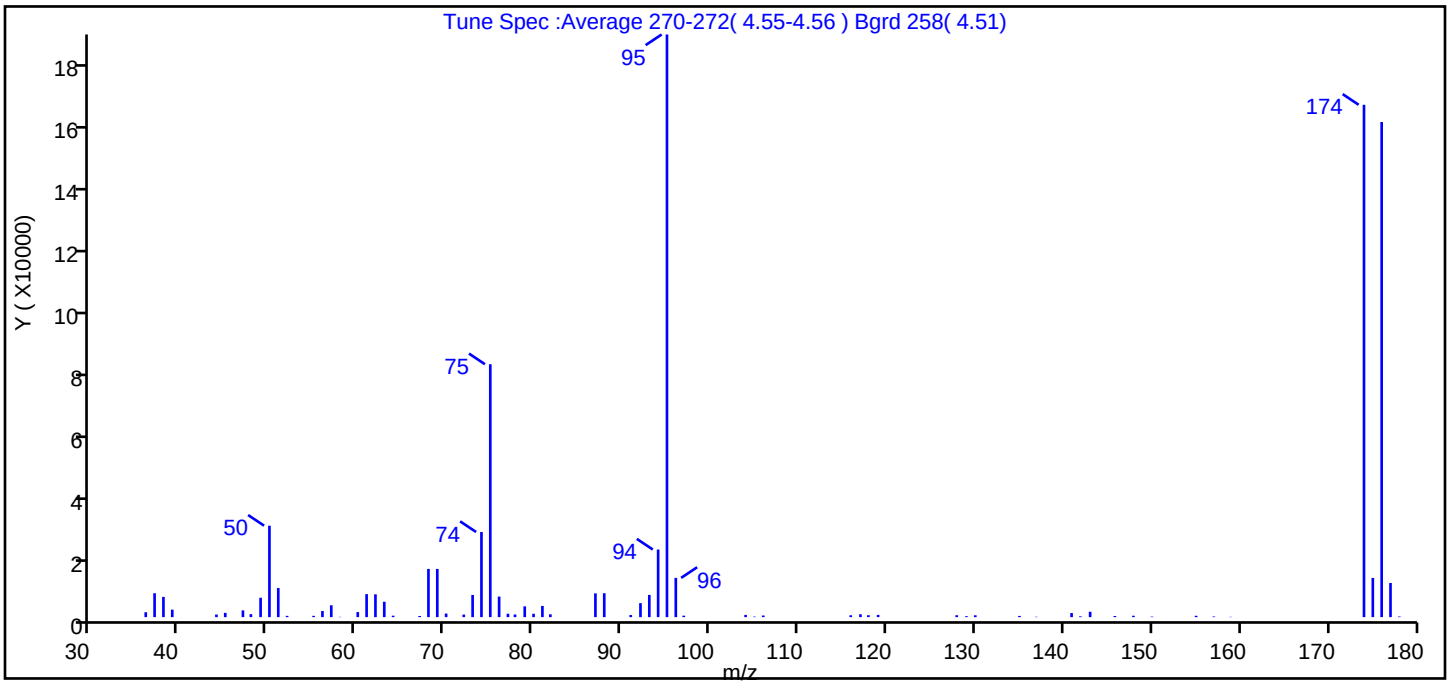
MSV_V_BFB_00017 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20241001-126519.b\4C01T31.D
Injection Date: 01-Oct-2024 20:51:30 Instrument ID: 23297
Lims ID: bfb
Client ID:
Operator ID: AGD105956 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: MSVoa_23297 Limit Group: MSV - 8260C_D
Tune Method: BFB Method 8260

$ 33 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	43.4
96	5 to 9% of m/z 95	6.7
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	87.9
175	5 to 9% of m/z 174	6.7 (7.7)
176	Greater than 95% but less than 101% of m/z 174	85.0 (96.6)
177	5 to 9% of m/z 176	5.9 (6.9)

Data File: \\chromfs\Lancaster\ChromData\23297\20241001-126519.b\4C01T31.D\MSVoa_23297.rslt\spectra.d
Injection Date: 01-Oct-2024 20:51:30
Spectrum: Tune Spec :Average 270-272(4.55-4.56) Bgrd 258(4.51)
Base Peak: 95.10
Minimum % Base Peak: 0
Number of Points: 72

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1583	61.00	7433	82.00	915	129.00	311
37.00	7715	62.00	7376	87.00	7682	130.00	598
38.00	6545	63.00	4980	88.00	7725	135.00	398
39.00	2423	64.00	477	91.00	677	137.00	118
40.00	11	67.00	374	92.00	4524	141.00	1320
44.00	847	68.00	15580	93.00	7181	142.00	251
45.00	1387	69.00	15578	94.00	21848	143.00	1743
47.00	2190	70.00	1157	95.00	188288	146.00	375
48.00	968	72.00	832	96.00	12682	148.00	458
49.00	6265	73.00	7169	97.00	473	150.00	172
50.00	29552	74.00	27512	104.00	711	155.00	441
51.00	9407	75.00	81728	105.00	172	157.00	212
52.00	417	76.00	6644	106.00	529	159.00	101
55.00	424	77.00	1107	116.00	608	174.00	165568
56.00	1979	78.00	861	117.00	931	175.00	12669
57.00	3829	79.00	3486	118.00	629	176.00	160000
58.00	87	80.00	1095	119.00	728	177.00	11036
60.00	1638	81.00	3614	128.00	622	178.00	208

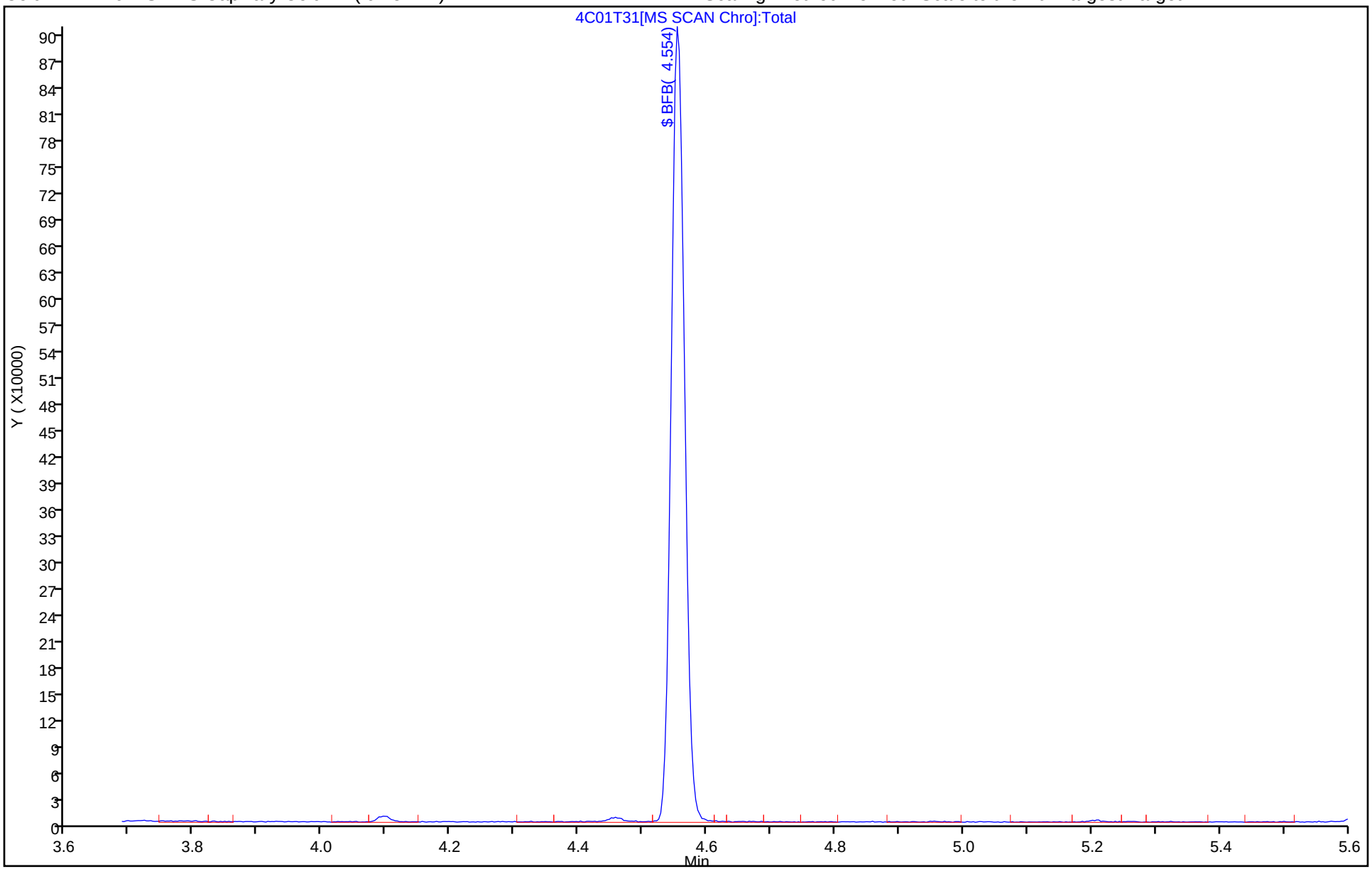
Report Date: 01-Oct-2024 23:26:50 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20241001-126519.b\4C01T31.D

Injection Date:	01-Oct-2024 20:51:30	Instrument ID:	23297	Operator ID:	AGD105956
Lims ID:	bfb			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSVoa_23297	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\9137\20240930-126367.b\WS30T04.D				
Lims ID:	bfb				
Client ID:					
Sample Type:	BFB				
Inject. Date:	30-Sep-2024 18:32:30	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	410-0126367-001				
Misc. Info.:	bfb				
Operator ID:	MCD07824	Instrument ID:	9137		
Method:	\\chromfs\Lancaster\ChromData\9137\20240930-126367.b\MSVoa_9137.m				
Limit Group:	MSV - 8260C_D				
Last Update:	01-Oct-2024 09:16:56	Calib Date:	01-Oct-2024 00:40:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9137\20240930-126367.b\WS30X17.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1618				
First Level Reviewer: Y6ZN		Date:	30-Sep-2024 18:49:04		

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 53 BFB	95	4.152	4.152	0.000	0	437410	NC	NC	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

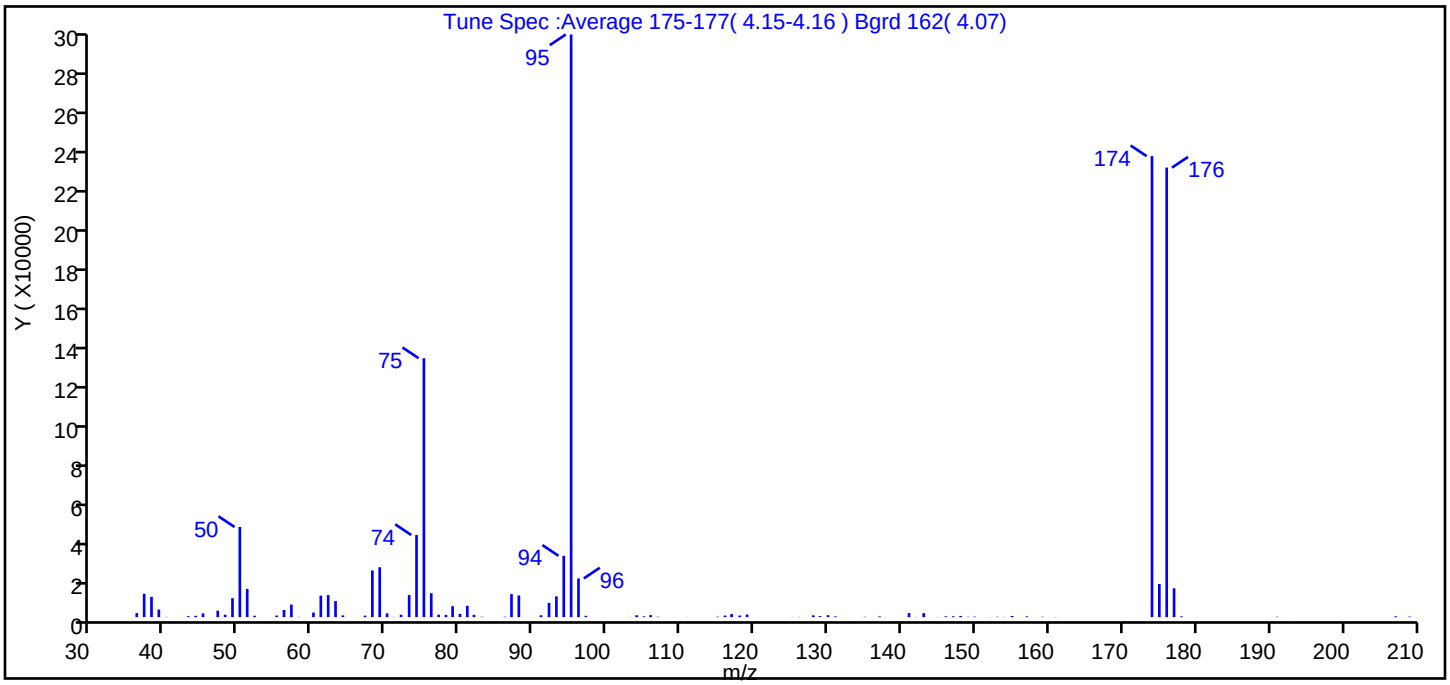
MSV_V_BFB_00017 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9137\20240930-126367.b\WS30T04.D
Injection Date: 30-Sep-2024 18:32:30 Instrument ID: 9137
Lims ID: bfb
Client ID:
Operator ID: MCD07824 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: MSVoa_9137 Limit Group: MSV - 8260C_D
Tune Method: BFB Method 8260

$ 53 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	44.4
96	5 to 9% of m/z 95	6.6
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	79.1
175	5 to 9% of m/z 174	5.7 (7.2)
176	Greater than 95% but less than 101% of m/z 174	77.2 (97.5)
177	5 to 9% of m/z 176	5.0 (6.4)

Data File: \\chromfs\Lancaster\ChromData\9137\20240930-126367.b\WS30T04.D\MSVoa_9137.rslt\spectra.d
Injection Date: 30-Sep-2024 18:32:30
Spectrum: Tune Spec :Average 175-177(4.15-4.16) Bgrd 162(4.07)
Base Peak: 95.10
Minimum % Base Peak: 0
Number of Points: 95

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2069	68.00	23768	96.00	19720	145.00	89
37.00	11910	69.00	25392	97.00	685	146.00	419
38.00	10359	70.00	1950	103.00	90	147.00	460
39.00	3870	71.00	108	104.00	962	148.00	617
40.00	137	72.00	1256	105.00	433	149.00	202
43.00	483	73.00	11257	106.00	1048	150.00	256
44.00	671	74.00	41840	107.00	230	152.00	84
45.00	1906	75.00	131840	111.00	101	153.00	206
47.00	3300	76.00	12174	115.00	255	154.00	94
48.00	1243	77.00	1266	116.00	816	155.00	617
49.00	9650	78.00	1141	117.00	1555	157.00	422
50.00	45912	79.00	5594	118.00	821	159.00	197
51.00	14398	80.00	1704	119.00	1331	161.00	84
52.00	713	81.00	5804	125.00	91	174.00	234688
55.00	824	82.00	1194	126.00	107	175.00	16864
56.00	3656	83.00	226	128.00	925	176.00	228864
57.00	6381	86.00	230	129.00	525	177.00	14684
58.00	126	87.00	11718	130.00	1007	178.00	427
60.00	2334	88.00	11066	131.00	398	191.00	212
61.00	10951	91.00	953	135.00	181	193.00	11
62.00	11247	92.00	7289	137.00	399	207.00	424
63.00	8209	93.00	10582	141.00	2071	208.00	15
64.00	891	94.00	31248	142.00	93	209.00	294
67.00	774	95.00	296640	143.00	2049		

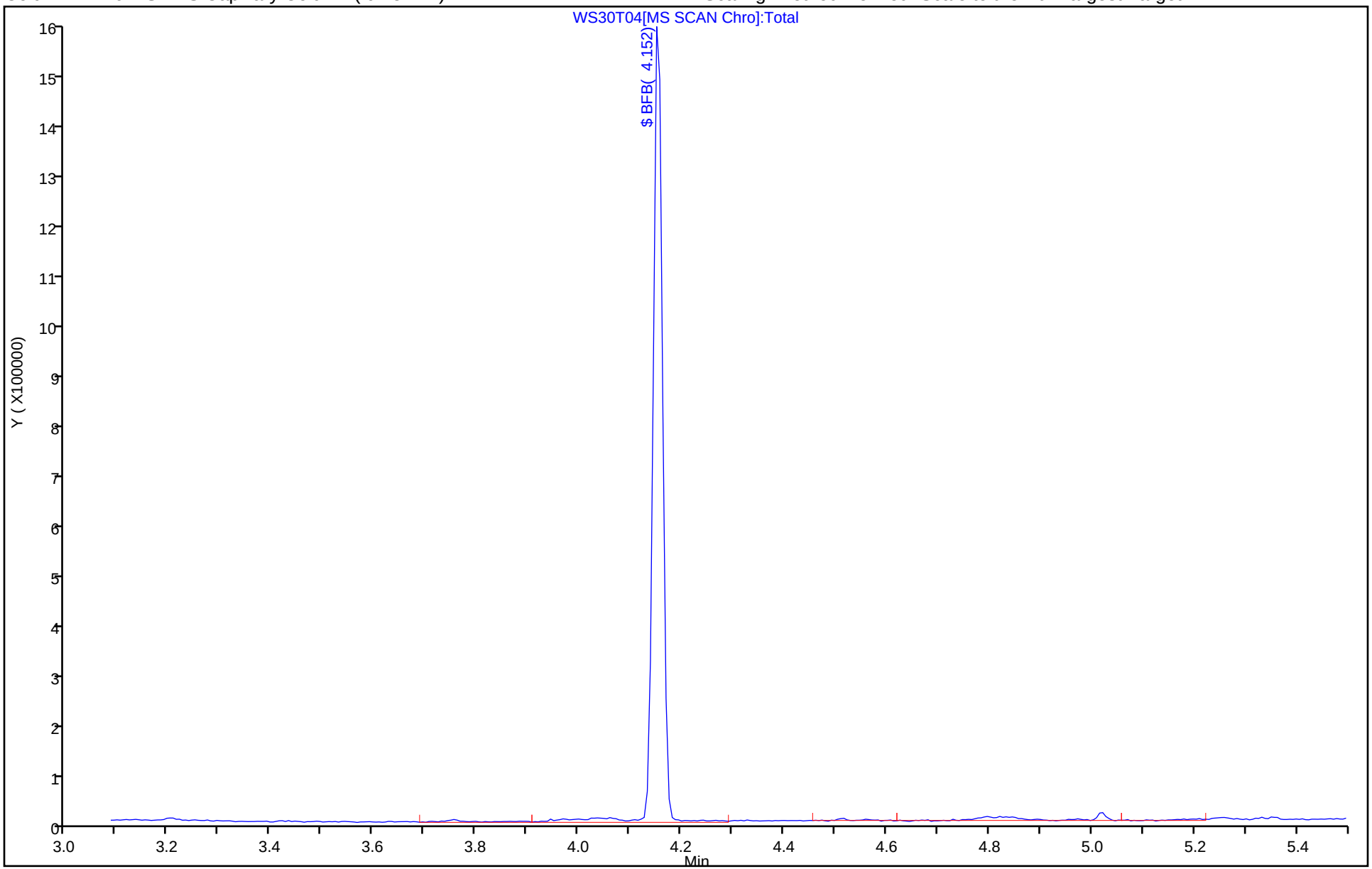
Report Date: 01-Oct-2024 09:16:56 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9137\20240930-126367.b\WS30T04.D

Injection Date:	30-Sep-2024 18:32:30	Instrument ID:	9137	Operator ID:	MCD07824
Lims ID:	bfb			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSVoa_9137	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\9137\20241003-126695.b\WC03T01.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 03-Oct-2024 08:50:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 410-0126695-001
Misc. Info.: BFB
Operator ID: knk41612 Instrument ID: 9137

Method: \\chromfs\Lancaster\ChromData\9137\20241003-126695.b\MSVoa_9137.m
Limit Group: MSV - 8260C_D
Last Update: 04-Oct-2024 08:11:55 Calib Date: 01-Oct-2024 00:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9137\20240930-126367.b\WS30X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1625

First Level Reviewer: FQ4L Date: 04-Oct-2024 08:11:55

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 53 BFB	95	4.152	4.152	0.000	0	224988	NC	NC	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

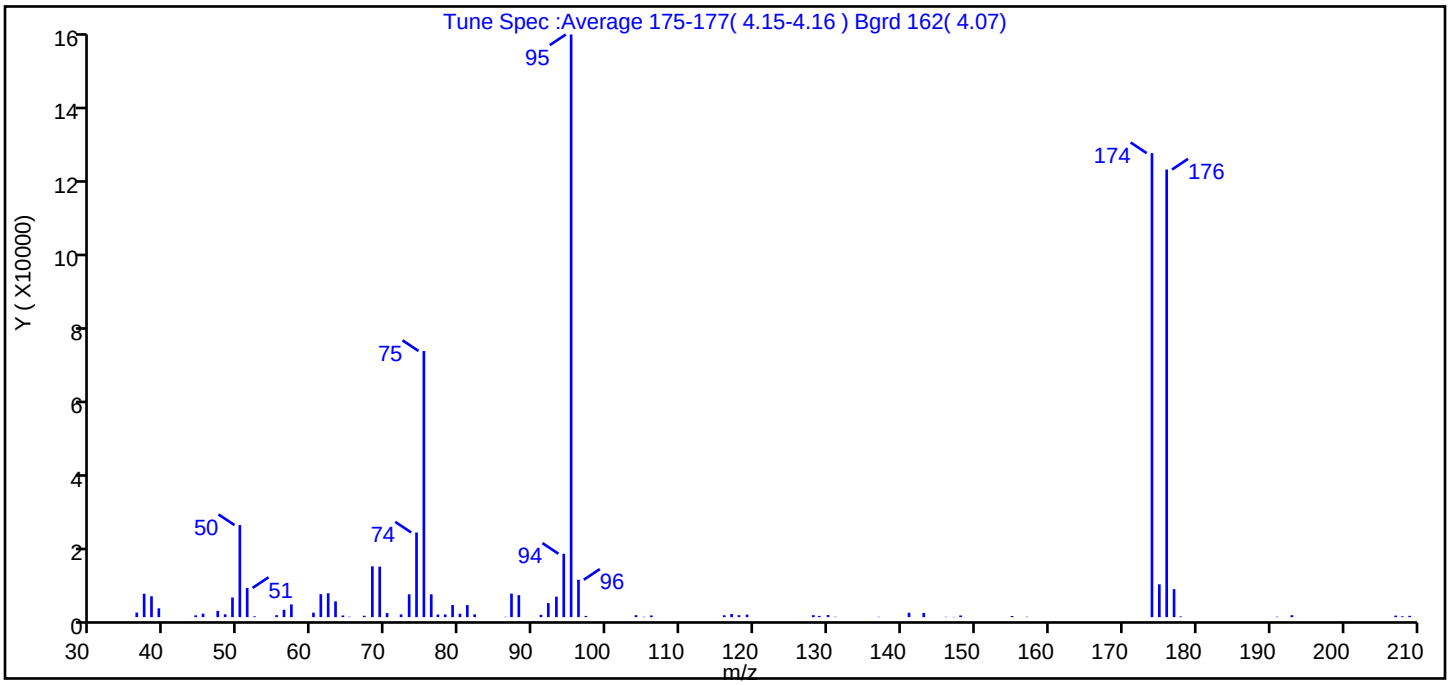
MSV_V_BFB_00017 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\9137\20241003-126695.b\WC03T01.D				
Injection Date:	03-Oct-2024 08:50:30	Instrument ID:	9137		
Lims ID:	BFB				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Method:	MSVoa_9137	Limit Group:	MSV - 8260C_D		
Tune Method:	BFB Method 8260				

$ 53 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	15.8
75	30 to 60% of m/z 95	45.7
96	5 to 9% of m/z 95	6.4
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	79.6
175	5 to 9% of m/z 174	5.6 (7.1)
176	Greater than 95% but less than 101% of m/z 174	76.8 (96.5)
177	5 to 9% of m/z 176	4.8 (6.3)

Data File: \\chromfs\Lancaster\ChromData\9137\20241003-126695.b\WC03T01.D\MSVoa_9137.rslt\spectra.d
Injection Date: 03-Oct-2024 08:50:30
Spectrum: Tune Spec :Average 175-177(4.15-4.16) Bgrd 162(4.07)
Base Peak: 95.10
Minimum % Base Peak: 0
Number of Points: 76

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1178	63.00	4096	87.00	6104	131.00	95
37.00	6078	64.00	435	88.00	5705	137.00	83
38.00	5407	65.00	104	91.00	602	141.00	1151
39.00	2288	67.00	368	92.00	3662	143.00	1084
43.00	8	68.00	13186	93.00	5313	146.00	84
44.00	466	69.00	13099	94.00	16440	147.00	57
45.00	903	70.00	1053	95.00	151104	148.00	444
47.00	1643	72.00	713	96.00	9700	155.00	298
48.00	739	73.00	5932	97.00	322	157.00	97
49.00	5097	74.00	21952	104.00	505	174.00	120336
50.00	23872	75.00	69016	105.00	97	175.00	8511
51.00	7566	76.00	5922	106.00	436	176.00	116080
52.00	216	77.00	677	116.00	493	177.00	7263
55.00	512	78.00	694	117.00	826	178.00	176
56.00	1908	79.00	3146	118.00	518	191.00	109
57.00	3300	80.00	889	119.00	649	193.00	506
60.00	1157	81.00	3134	128.00	523	207.00	400
61.00	5954	82.00	717	129.00	323	208.00	214
62.00	6199	86.00	86	130.00	545	209.00	340

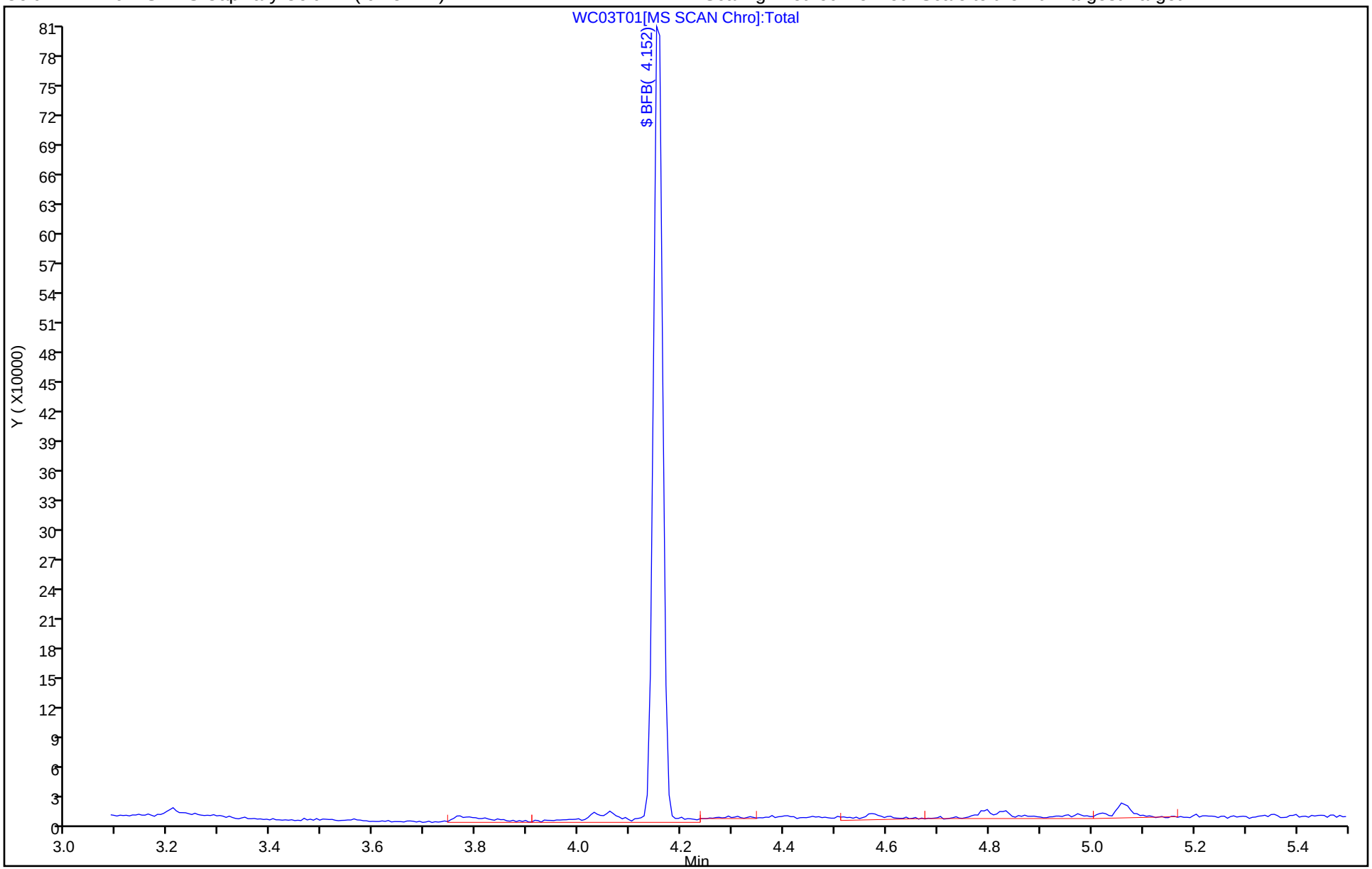
Report Date: 04-Oct-2024 08:11:56 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9137\20241003-126695.b\WC03T01.D

Injection Date:	03-Oct-2024 08:50:30	Instrument ID:	9137	Operator ID:	knk41612
Lims ID:	BFB			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSVoa_9137	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\9915\20240715-119345.b\LL15T01.D				
Lims ID:	bfb				
Client ID:					
Sample Type:	BFB				
Inject. Date:	15-Jul-2024 13:34:30	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	410-0119345-001				
Misc. Info.:	BFB				
Operator ID:	knk41612	Instrument ID:	9915		
Method:	\\chromfs\Lancaster\ChromData\9915\20240715-119345.b\MSVoa_9915a.m				
Limit Group:	MSV - 8260C_D				
Last Update:	16-Jul-2024 09:08:16	Calib Date:	15-Jul-2024 19:57:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9915\20240715-119345.b\LL15X17.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1623				

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 33 BFB	95	4.645	4.645	0.000	0	520336	NC	NC	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

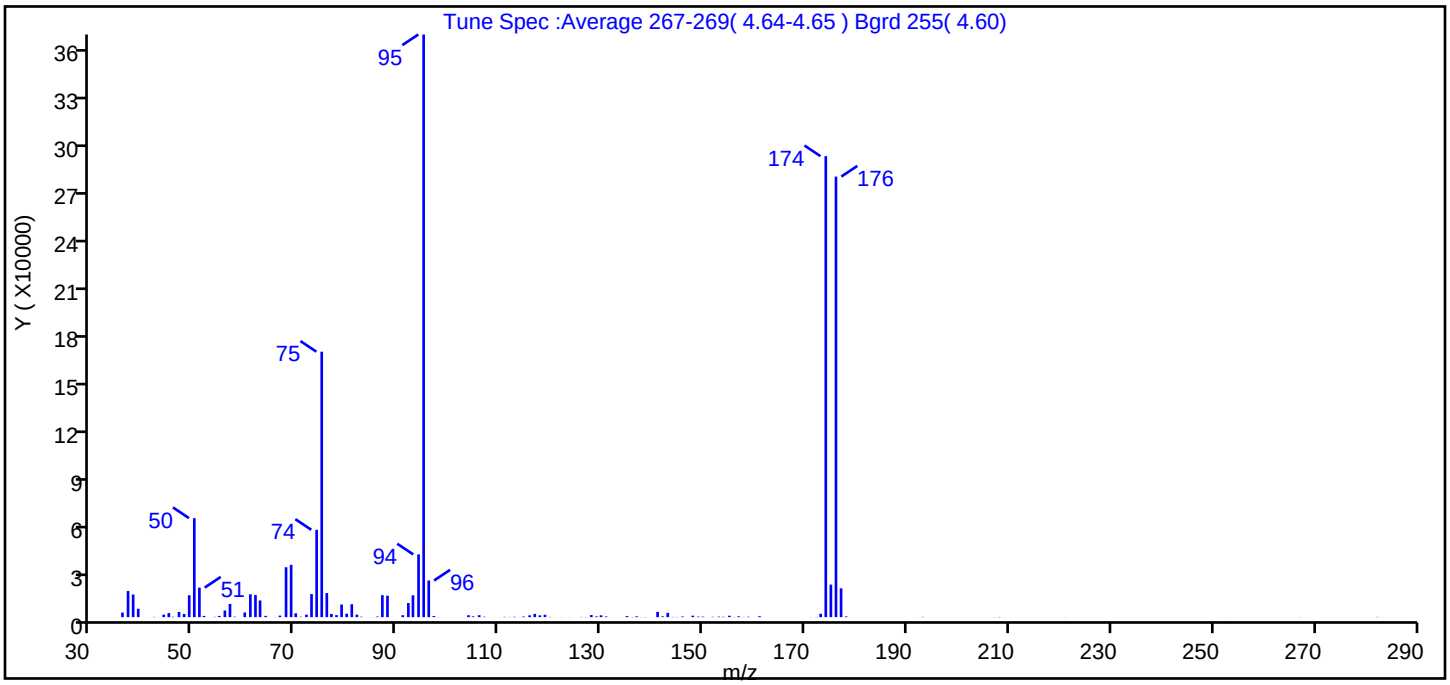
MSV_V_BFB_00017 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9915\20240715-119345.b\LL15T01.D
Injection Date: 15-Jul-2024 13:34:30 Instrument ID: 9915
Lims ID: bfb
Client ID:
Operator ID: knk41612 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Tune Method: BFB Method 8260

$ 33 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	45.6
96	5 to 9% of m/z 95	6.3
173	Less than 2% of m/z 174	0.6 (0.7)
174	50 to 120% of m/z 95	79.1
175	5 to 9% of m/z 174	5.6 (7.1)
176	Greater than 95% but less than 101% of m/z 174	75.6 (95.6)
177	5 to 9% of m/z 176	4.9 (6.5)

Data File: \\chromfs\Lancaster\ChromData\9915\20240715-119345.b\LL15T01.D\MSVoa_9915a.rslt\spectra.d
Injection Date: 15-Jul-2024 13:34:30
Spectrum: Tune Spec :Average 267-269(4.64-4.65) Bgrd 255(4.60)
Base Peak: 95.10
Minimum % Base Peak: 0
Number of Points: 120

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2837	71.00	228	107.00	265	146.00	400
37.00	16228	72.00	1522	110.00	53	148.00	925
38.00	14044	73.00	14309	111.00	187	149.00	322
39.00	5205	74.00	54160	112.00	129	150.00	319
42.00	157	75.00	164608	113.00	219	152.00	210
43.00	45	76.00	14931	114.00	54	153.00	304
44.00	1561	77.00	1972	115.00	386	154.00	213
45.00	2515	78.00	1261	116.00	1118	155.00	875
46.00	229	79.00	7813	117.00	2020	156.00	81
47.00	3235	80.00	2131	118.00	1121	157.00	525
48.00	1991	81.00	8004	119.00	1441	158.00	114
49.00	13572	82.00	1562	120.00	144	159.00	265
50.00	61408	83.00	264	122.00	57	161.00	568
51.00	18336	84.00	57	124.00	56	171.00	67
52.00	775	85.00	74	126.00	124	172.00	125
54.00	168	86.00	354	127.00	62	173.00	2092
55.00	747	87.00	13626	128.00	1270	174.00	285888
56.00	4130	88.00	13279	129.00	451	175.00	20192
57.00	8202	91.00	1184	130.00	1145	176.00	273216
58.00	297	92.00	8772	131.00	431	177.00	17840
60.00	2893	93.00	13537	135.00	671	178.00	456
61.00	14145	94.00	38896	136.00	116	193.00	175
62.00	13738	95.00	361344	137.00	515	207.00	83
63.00	10368	96.00	22712	138.00	71	208.00	126
64.00	814	97.00	689	139.00	108	209.00	66
66.00	59	98.00	53	141.00	3272	221.00	56
67.00	960	102.00	52	142.00	460	253.00	57
68.00	30952	104.00	1207	143.00	2674	267.00	80
69.00	32456	105.00	473	144.00	132	282.00	139
70.00	2379	106.00	1224	145.00	117	283.00	50

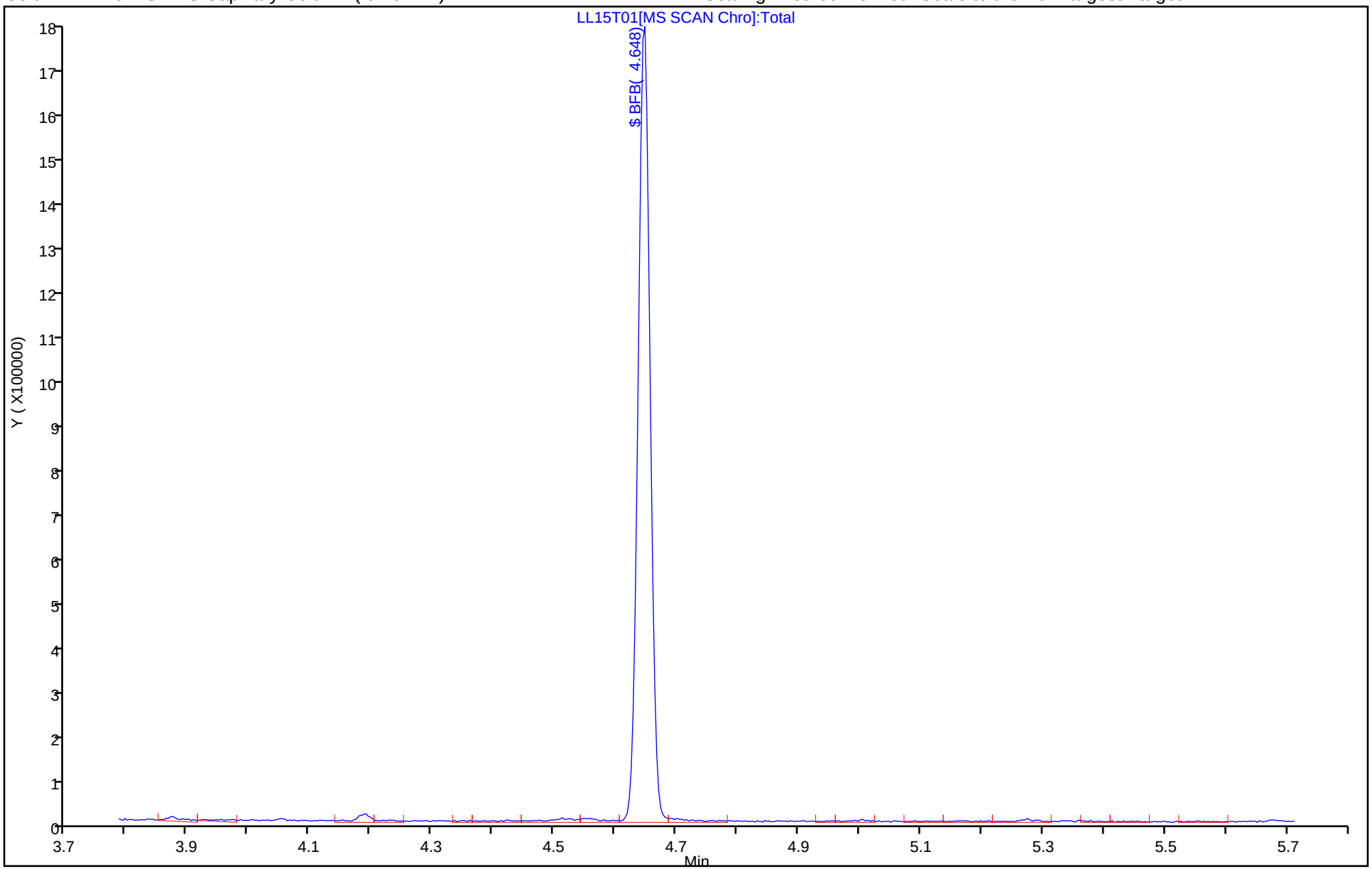
Report Date: 16-Jul-2024 09:08:16 Chrom Revision: 2.3 26-Jun-2024 16:13:32

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9915\20240715-119345.b\LL15T01.D

Injection Date:	15-Jul-2024 13:34:30	Instrument ID:	9915	Operator ID:	knk41612
Lims ID:	bfb			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSVoa_9915a	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\9915\20241008-127062.b\LC08T01.D
Lims ID: bfb
Client ID:
Sample Type: BFB
Inject. Date: 08-Oct-2024 07:32:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 410-0127062-001
Misc. Info.: BFB
Operator ID: clm27445 Instrument ID: 9915

Method: \\chromfs\Lancaster\ChromData\9915\20241008-127062.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 09-Oct-2024 10:26:51 Calib Date: 15-Jul-2024 19:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20240715-119345.b\LL15X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1605

First Level Reviewer: FQ4L Date: 09-Oct-2024 10:26:51

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 34 BFB	95	4.645	4.645	0.000	0	353721	NC	NC	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

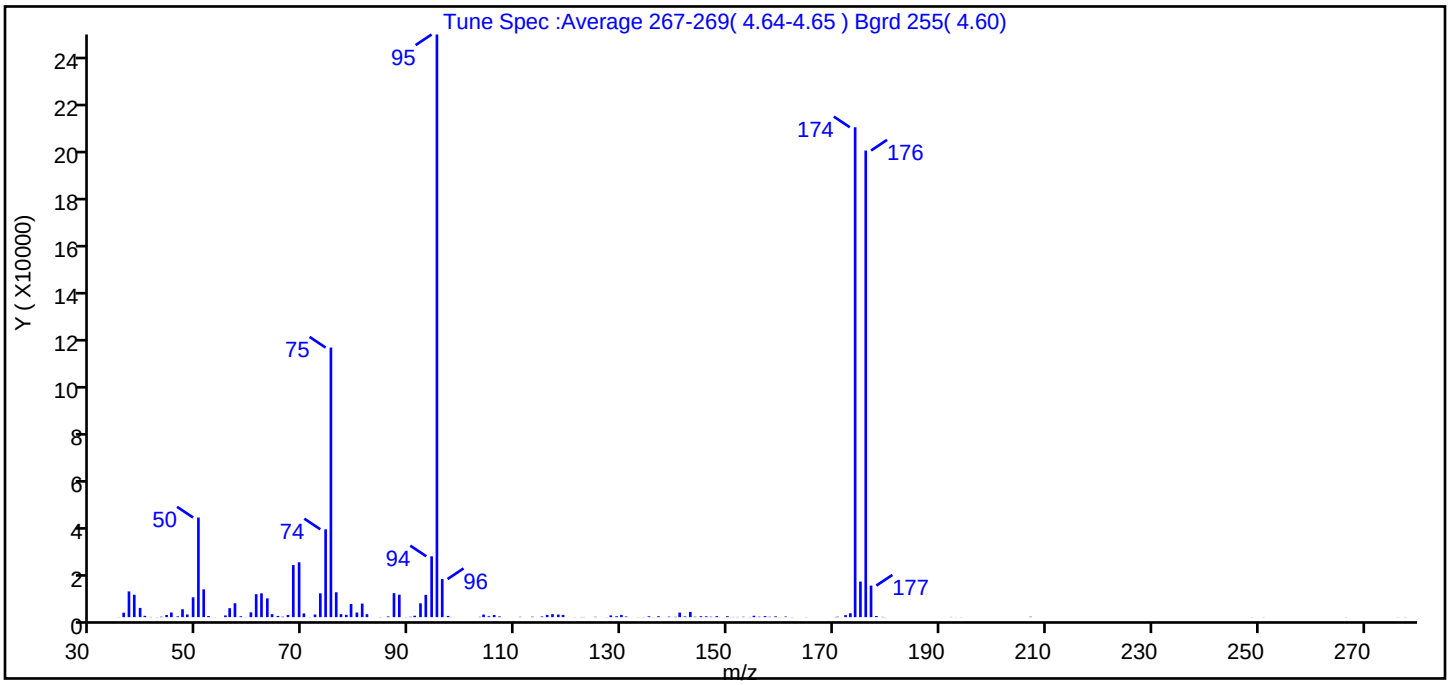
MSV_V_BFB_00017 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9915\20241008-127062.b\LC08T01.D
Injection Date: 08-Oct-2024 07:32:30 Instrument ID: 9915
Lims ID: bfb
Client ID:
Operator ID: clm27445 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: MSVoa_9915a Limit Group: MSV - 8260C_D
Tune Method: BFB Method 8260

$ 34 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	17.1
75	30 to 60% of m/z 95	46.3
96	5 to 9% of m/z 95	6.5
173	Less than 2% of m/z 174	0.7 (0.8)
174	50 to 120% of m/z 95	84.1
175	5 to 9% of m/z 174	6.1 (7.3)
176	Greater than 95% but less than 101% of m/z 174	80.1 (95.2)
177	5 to 9% of m/z 176	5.4 (6.8)

Data File: \\chromfs\Lancaster\ChromData\9915\20241008-127062.b\LC08T01.D\MSVoa_9915a.rslt\spectra.d
Injection Date: 08-Oct-2024 07:32:30
Spectrum: Tune Spec :Average 267-269(4.64-4.65) Bgrd 255(4.60)
Base Peak: 95.10
Minimum % Base Peak: 0
Number of Points: 132

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	67	69.00	23232	111.00	134	152.00	85
36.00	1869	70.00	1580	113.00	194	153.00	166
37.00	10893	71.00	64	115.00	282	154.00	79
38.00	9471	72.00	1119	116.00	951	155.00	586
39.00	3914	73.00	10075	117.00	1262	156.00	192
40.00	561	74.00	37200	118.00	1093	157.00	442
41.00	91	75.00	114176	119.00	937	158.00	159
42.00	59	76.00	10535	121.00	53	159.00	343
43.00	184	77.00	1262	122.00	69	160.00	51
44.00	916	78.00	980	123.00	73	161.00	252
45.00	1986	79.00	5548	125.00	148	162.00	60
46.00	318	80.00	1961	127.00	54	165.00	65
47.00	3360	81.00	5734	128.00	732	170.00	66
48.00	1122	82.00	1237	129.00	388	171.00	177
49.00	8398	84.00	83	130.00	946	172.00	855
50.00	42200	86.00	297	131.00	265	173.00	1647
51.00	11780	87.00	10159	133.00	50	174.00	207488
52.00	479	88.00	9498	134.00	74	175.00	15070
53.00	52	89.00	60	135.00	359	176.00	197632
55.00	715	90.00	148	136.00	51	177.00	13364
56.00	3802	91.00	592	137.00	397	178.00	486
57.00	5878	92.00	5861	139.00	220	179.00	103
58.00	377	93.00	9437	140.00	143	180.00	50
59.00	58	94.00	25760	141.00	1924	192.00	88
60.00	2023	95.00	246784	142.00	303	193.00	33
61.00	9727	96.00	16123	143.00	2212	194.00	54
62.00	10082	97.00	503	144.00	177	207.00	176
63.00	7949	98.00	53	145.00	391	208.00	4
64.00	1251	103.00	132	146.00	354	249.00	56
65.00	505	104.00	1071	147.00	174	251.00	63
66.00	193	105.00	363	148.00	426	267.00	63
67.00	910	106.00	913	150.00	392	276.00	54
68.00	22048	107.00	303	151.00	87	278.00	67

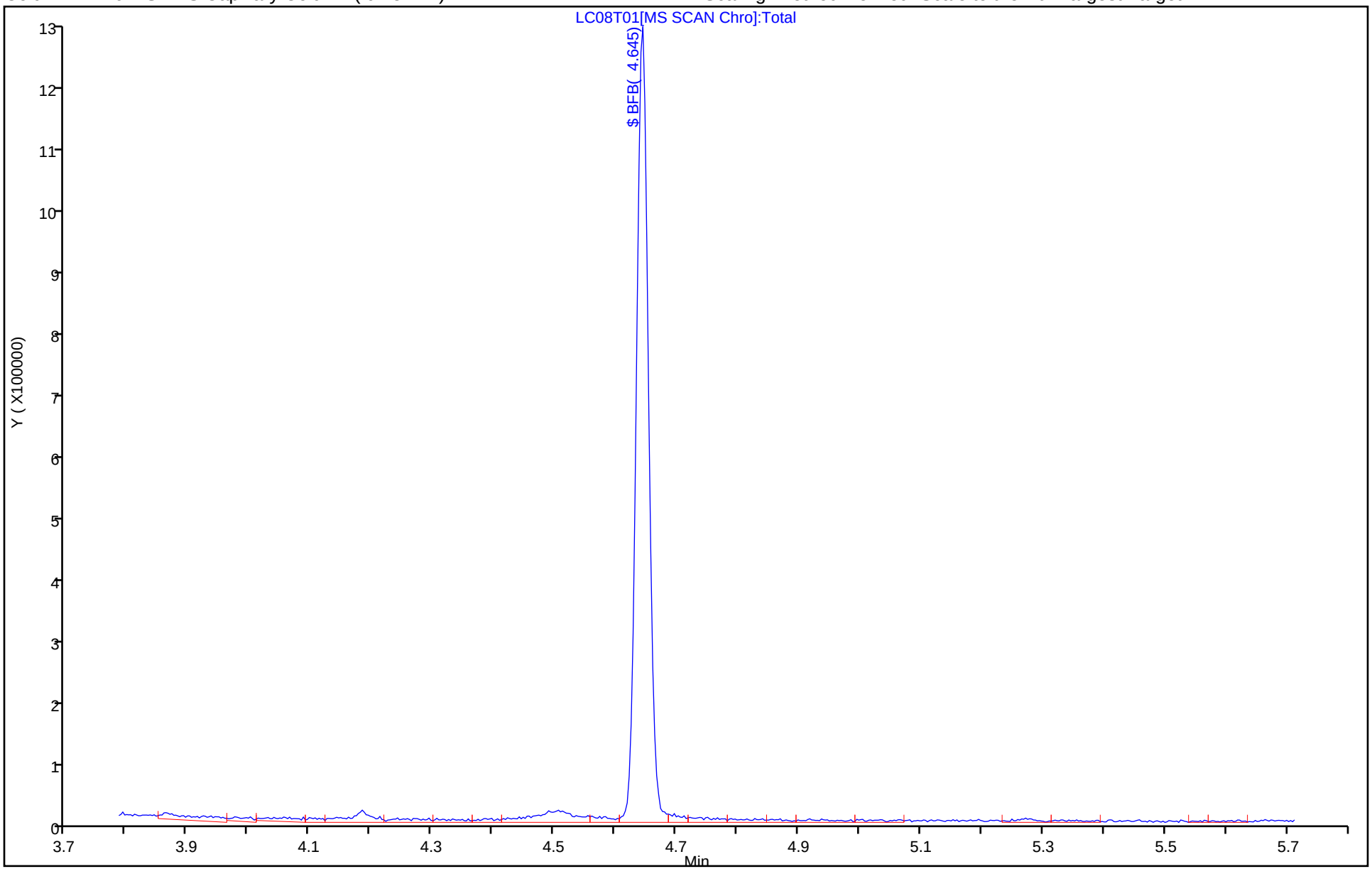
m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	67	69.00	23232	111.00	134	152.00	85
36.00	1869	70.00	1580	113.00	194	153.00	166
37.00	10893	71.00	64	115.00	282	154.00	79
38.00	9471	72.00	1119	116.00	951	155.00	586
39.00	3914	73.00	10075	117.00	1262	156.00	192
40.00	561	74.00	37200	118.00	1093	157.00	442
41.00	91	75.00	114176	119.00	937	158.00	159
42.00	59	76.00	10535	121.00	53	159.00	343
43.00	184	77.00	1262	122.00	69	160.00	51
44.00	916	78.00	980	123.00	73	161.00	252
45.00	1986	79.00	5548	125.00	148	162.00	60
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47.00	3360	81.00	5734	128.00	732	170.00	66
48.00	1122	82.00	1237	129.00	388	171.00	177
49.00	8398	84.00	83	130.00	946	172.00	855
50.00	42200	86.00	297	131.00	265	173.00	1647
51.00	11780	87.00	10159	133.00	50	174.00	207488
52.00	479	88.00	9498	134.00	74	175.00	15070
53.00	52	89.00	60	135.00	359	176.00	197632
55.00	715	90.00	148	136.00	51	177.00	13364
56.00	3802	91.00	592	137.00	397	178.00	486
57.00	5878	92.00	5861	139.00	220	179.00	103
58.00	377	93.00	9437	140.00	143	180.00	50
59.00	58	94.00	25760	141.00	1924	192.00	88
60.00	2023	95.00	246784	142.00	303	193.00	33
61.00	9727	96.00	16123	143.00	2212	194.00	54
62.00	10082	97.00	503	144.00	177	207.00	176
63.00	7949	98.00	53	145.00	391	208.00	4
64.00	1251	103.00	132	146.00	354	249.00	56
65.00	505	104.00	1071	147.00	174	251.00	63
66.00	193	105.00	363	148.00	426	267.00	63
67.00	910	106.00	913	150.00	392	276.00	54
68.00	22048	107.00	303	151.00	87	278.00	67

Report Date: 09-Oct-2024 10:26:51 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\9915\20241008-127062.b\LC08T01.D				
Injection Date:	08-Oct-2024 07:32:30	Instrument ID:	9915	Operator ID:	clm27445
Lims ID:	bfb			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSVoa_9915a	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.: 410-190105-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-558100/7

Matrix: Water
Lab File ID: 4C01X36.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 5(mL)
Date Analyzed: 10/01/2024 22:58

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 558100
Units: ug/L

Preparation Batch No.:
Instrument ID: 23297

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.30
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.30
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.30
75-34-3	1,1-Dichloroethane	ND		1.0	0.30
75-35-4	1,1-Dichloroethene	ND		1.0	0.30
106-93-4	1,2-Dibromoethane (EDB)	ND		1.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.30
78-87-5	1,2-Dichloropropane	ND		1.0	0.30
78-93-3	2-Butanone (MEK)	ND		10	0.50
591-78-6	2-Hexanone	ND		10	0.85
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	0.50
67-64-1	Acetone	ND		20	0.70
71-43-2	Benzene	ND		1.0	0.30
74-97-5	Bromochloromethane	ND		5.0	0.20
75-27-4	Bromodichloromethane	ND		1.0	0.20
75-25-2	Bromoform	ND		4.0	1.0
74-83-9	Bromomethane	ND		1.0	0.30
75-15-0	Carbon disulfide	ND		5.0	0.30
56-23-5	Carbon tetrachloride	ND		1.0	0.30
108-90-7	Chlorobenzene	ND		1.0	0.30
75-00-3	Chloroethane	ND		1.0	0.30
67-66-3	Chloroform	ND		1.0	0.30
74-87-3	Chloromethane	ND		2.0	0.55
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.20
124-48-1	Dibromochloromethane	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.40
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.20
75-09-2	Methylene Chloride	ND		1.0	0.30
100-42-5	Styrene	ND		5.0	0.30
127-18-4	Tetrachloroethene	ND		1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-190105-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-558100/7

Matrix: Water
Lab File ID: 4C01X36.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 5(mL)
Date Analyzed: 10/01/2024 22:58

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 558100
Units: ug/L

Preparation Batch No.:
Instrument ID: 23297

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		1.0	0.30
156-60-5	trans-1,2-Dichloroethene	ND		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.20
79-01-6	Trichloroethene	ND		1.0	0.30
75-01-4	Vinyl chloride	ND		1.0	0.30
1330-20-7	Xylenes, Total	ND		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		80-120
460-00-4	4-Bromofluorobenzene (Surr)	96		80-120
1868-53-7	Dibromofluoromethane (Surr)	101		80-120
2037-26-5	Toluene-d8 (Surr)	104		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\23297\20241001-126519.b\4C01X36.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 01-Oct-2024 22:58:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0126519-007
Misc. Info.: MB
Operator ID: AGD105956 Instrument ID: 23297

Method: \\chromfs\Lancaster\ChromData\23297\20241001-126519.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 02-Oct-2024 14:28:08 Calib Date: 17-Sep-2024 18:24:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20240917-125144.b\4S17X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1678

First Level Reviewer: Z6YX Date: 01-Oct-2024 23:23:46

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1	Chlorotrifluoroethene	116		1.764					ND	
2	Dichlorodifluoromethane	85		1.788					ND	
3	Chlorodifluoromethane	51		1.800					ND	
4	Chloromethane	50		1.958					ND	
5	Vinyl chloride	62		2.062					ND	
6	Butadiene	39		2.074					ND	7
7	2-Chloro-1,1,1-Trifluoroethane	118		2.171					ND	
8	Bromomethane	94		2.372					ND	7
9	Chloroethane	64		2.445					ND	
10	Dichlorofluoromethane	67		2.664					ND	
11	Trichlorofluoromethane	101		2.725					ND	
12	Pentane	43		2.743					ND	
13	Ethanol	45		2.859					ND	
14	Ethyl ether	59		2.956					ND	
15	1,2-Dichloro-1,1,2-trifluoroetha	67		3.017					ND	
16	Acrolein	56		3.078					ND	
18	1,1-Dichloroethene	96		3.218					ND	
17	Acetone	58		3.224					ND	
19	1,1,2-Trichloro-1,2,2-trifluoroe	101		3.260					ND	
20	Isopropyl alcohol	45		3.400					ND	
21	Iodomethane	142		3.400					ND	
22	Carbon disulfide	76		3.504					ND	
24	Methyl acetate	43		3.607					ND	
25	3-Chloro-1-propene	41		3.631					ND	
23	Acetonitrile	41		3.650					ND	
27	Methylene Chloride	84		3.820					ND	
* 28	t-Butyl alcohol-d10 (IS)	65	3.850	3.856	-0.006	94	259149	250.0	250.0	
29	2-Methyl-2-propanol	59		3.960					ND	
30	Acrylonitrile	53		4.100					ND	
31	Methyl tert-butyl ether	73		4.179					ND	
32	trans-1,2-Dichloroethene	96		4.179					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		4.605					ND	
36 1,1-Dichloroethane	63		4.842					ND	
35 Vinyl acetate	43		4.854					ND	
37 Isopropyl ether	45		4.915					ND	
38 2-Chloro-1,3-butadiene	53		4.952					ND	
39 Tert-butyl ethyl ether	59		5.456					ND	
40 2-Butanone (MEK)	43		5.663					ND	
41 cis-1,2-Dichloroethene	96		5.688					ND	
42 2,2-Dichloropropane	77		5.706					ND	
43 Ethyl acetate	43		5.748					ND	
44 Propionitrile	54		5.748					ND	
45 Methyl acrylate	55		5.803					ND	
46 Methacrylonitrile	67		5.974					ND	
47 Chlorobromomethane	128		6.022					ND	
48 Tetrahydrofuran	71		6.040					ND	
S 49 1,2-Dichloroethene, Total	100		6.155					ND	7
50 Chloroform	83		6.180					ND	
$ 51 Dibromofluoromethane (Surr)	113	6.399	6.405	-0.006	93	156258	50.0	50.3	
52 1,1,1-Trichloroethane	97		6.412					ND	
53 Cyclohexane	56		6.509					ND	
54 Carbon tetrachloride	117		6.631					ND	
55 1,1-Dichloropropene	75		6.631					ND	
56 Isobutyl alcohol	41		6.813					ND	
$ 57 1,2-Dichloroethane-d4 (Surr)	102	6.862	6.862	0.000	100	37457	50.0	50.8	
58 Benzene	78		6.898					ND	
59 1,2-Dichloroethane	62		6.971					ND	
60 Isopropyl acetate	43		7.014					ND	
61 Tert-amyl methyl ether	73		7.099					ND	
* 62 Fluorobenzene (IS)	96	7.306	7.312	-0.006	99	588009	50.0	50.0	
63 n-Heptane	43		7.336					ND	
64 n-Butanol	56		7.713					ND	
65 Trichloroethene	95		7.799					ND	
66 t-Amyl alcohol	73		7.884					ND	
67 Ethyl acrylate	55		7.926					ND	
68 Methylcyclohexane	83		8.109					ND	
69 1,2-Dichloropropane	63		8.127					ND	
70 2-ethoxy-2-methyl butane	87		8.151					ND	
71 1,4-Dioxane	88		8.231					ND	
72 Methyl methacrylate	69		8.231					ND	
73 Dibromomethane	93		8.243					ND	
74 n-Propyl acetate	61		8.328					ND	
75 Dichlorobromomethane	83		8.486					ND	
76 2-Nitropropane	41		8.760					ND	
77 2-Chloroethyl vinyl ether	63		8.863					ND	
78 cis-1,3-Dichloropropene	75		9.052					ND	
79 4-Methyl-2-pentanone (MIBK)	43		9.240					ND	
$ 80 Toluene-d8 (Surr)	98	9.380	9.380	0.000	93	570555	50.0	51.8	
81 Toluene	92		9.466					ND	
82 trans-1,3-Dichloropropene	75		9.739					ND	
83 Ethyl methacrylate	69		9.818					ND	
101 1,1,2-Trichloroethane	97		9.952					ND	
117 Tetrachloroethene	166		10.043					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 116 1,3-Dichloropropene, Total	100		10.060				ND		7
121 1,3-Dichloropropane	76		10.123				ND		
122 3,4-Dichloro-1-butene	75		10.165				ND		
123 2-Hexanone	43		10.183				ND		
125 n-Butyl acetate	43		10.323				ND		
126 Chlorodibromomethane	129		10.342				ND		
127 Ethylene Dibromide	107		10.451				ND		
* 129 Chlorobenzene-d5 (IS)	117	10.901	10.901	0.000	84	429222	50.0	50.0	
130 1-Chlorohexane	91		10.919				ND		U
131 Chlorobenzene	112		10.932				ND		
132 1,1,1,2-Tetrachloroethane	131		11.017				ND		
133 Ethylbenzene	91		11.023				ND		
134 m-Xylene & p-Xylene	106		11.145				ND		
S 135 Xylenes, Total	106		11.245				ND		7
137 n-Butyl acrylate	55		11.437				ND		
136 o-Xylene	106		11.479				ND		
138 Styrene	104		11.491				ND		
139 Bromoform	173		11.650				ND		
140 Isopropylbenzene	105		11.783				ND		
141 cis-1,4-Dichloro-2-butene	88		11.832				ND		
142 Cyclohexanone	55		11.856				ND		
$ 143 4-Bromofluorobenzene (Surr)	95	11.929	11.929	0.000	93	200589	50.0	48.1	
144 1,1,2,2-Tetrachloroethane	83		12.033				ND		
145 Bromobenzene	156		12.045				ND		
146 trans-1,4-Dichloro-2-butene	53		12.057				ND		
147 1,2,3-Trichloropropane	110		12.075				ND		
148 N-Propylbenzene	91		12.118				ND		
149 2-Chlorotoluene	126		12.191				ND		
150 1,3,5-Trimethylbenzene	105		12.258				ND		
151 4-Chlorotoluene	126		12.288				ND		
152 2,3,4-Trichlorobutene	109		12.306				ND		
154 tert-Butylbenzene	134		12.501				ND		
155 Pentachloroethane	167		12.532				ND		
156 1,2,4-Trimethylbenzene	105		12.544				ND		
157 sec-Butylbenzene	105		12.665				ND		
158 1,3-Dichlorobenzene	146		12.763				ND		
159 4-Isopropyltoluene	119		12.781				ND		
* 160 1,4-Dichlorobenzene-d4	152	12.818	12.818	0.000	94	260668	50.0	50.0	
161 1,4-Dichlorobenzene	146		12.836				ND		
163 1,2,3-Trimethylbenzene	105		12.854				ND		
164 Benzyl chloride	91		12.915				ND		7
165 1,3-Diethylbenzene	119		12.982				ND		
166 p-Diethylbenzene	119		13.055				ND		
167 n-Butylbenzene	92		13.073				ND		
168 1,2-Dichlorobenzene	146		13.097				ND		
169 o-diethylbenzene	119		13.128				ND		
171 1,2-Dibromo-3-Chloropropane	75		13.639				ND		
170 Hexachloroethane	201		13.639				ND		
172 1,3,5-Trichlorobenzene	180		13.773				ND		7
173 1,2,4-Trichlorobenzene	180		14.199				ND		7
174 2-Ethylhexyl acrylate	55		14.266				ND		
175 Hexachlorobutadiene	225		14.284				ND		

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
176 Naphthalene	128		14.375					ND	7
177 1,2,3-Trichlorobenzene	180		14.521					ND	7
178 2-Methylnaphthalene	142		15.117					ND	7
179 C4-C10	1		0.000					ND	
190 C6-C12	1		0.000					ND	
191 1-Bromo-2-chloroethane	1		0.000					ND	
180 1,1-Dichloro-1-fluoroethane	1		0.000					ND	
181 1-Chlorobutane	1		0.000					ND	
182 trans-1,2,3-Trichlorobutene-2	1		0.000					ND	
183 3-chloro-1-Butene	1		0.000					ND	
184 Propene oxide	1		0.000					ND	
S 185 Total Diethylbenzene	1		0.000					ND	7
186 C6-C10	1		0.000					ND	
187 Dodecane	57		0.000					ND	
188 cis-1,2,3-Trichlorobutene-2	1		0.000					ND	
202 tert-Butyl Formate	1		0.000					ND	
205 Methylal	1		0.000					ND	
203 1,1,2,2-Tetrachloro-1,2-difluoro	1		0.000					ND	
204 Butane	1		0.000					ND	
S 193 Total BTEX	1		0.000					ND	
194 1,3-Divinylbenzene	1		0.000					ND	
195 Undecane	1		0.000					ND	
196 Chloroacetonitrile	1		0.000					ND	
197 Ethyl bromide	1		0.000					ND	
198 sec-Butyl Alcohol	45		0.000					ND	
199 n-Nonane	1		0.000					ND	
200 n-Octane	1		0.000					ND	
201 2,3-Dichloro-1,3-butadiene	1		0.000					ND	
189 C5-C12	1		0.000					ND	
192 Propanol	1		0.000					ND	
206 Isobutyl acetate	43		0.000					ND	
$ 231 trans-1,2,3-Trichlorobutene-2 TI	1		0.000					ND	
218 C4-C12	1		0.000					ND	
219 n-Decane	57		0.000					ND	
208 1,4-Divinylbenzene	1		0.000					ND	
209 Diethoxymethane	1		0.000					ND	
210 3-Methyl-1-butene	1		0.000					ND	
211 2-Butoxyethyl acetate	1		0.000					ND	
212 sec-Butyl Alcohol TIC	1		0.000					ND	
214 4-Ethyltoluene	1		0.000					ND	
215 Dimethylformamide TIC	1		0.000					ND	
216 3-Pentanone TIC	1		0.000					ND	
217 Cyclopentane TIC	1		0.000					ND	
233 3-Methylhexane TIC	1		0.000					ND	
207 1-Methylnaphthalene	142		0.000					ND	
232 1,1,1,2-Tetrafluoroethane TIC	1		0.000					ND	
221 2,3-Dimethylbutane TIC	1		0.000					ND	
222 2,2-Dimethylbutane TIC	1		0.000					ND	
223 Methylcyclopentane TIC	1		0.000					ND	
224 Decamethylcyclopentasiloxane TIC	1		0.000					ND	
225 Dimethyl Sulfide TIC	1		0.000					ND	
226 2,2-Dimethylpropane TIC	1		0.000					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
227 2-Methylhexane TIC	1		0.000					ND	
228 1-Methylnaphthalene (TIC)	1		0.000					ND	
229 3-Methylpentane TIC	1		0.000					ND	
230 Gasoline (Unleaded)	1		0.000					ND	
S 220 divinyl benzene	1		0.000					ND	7
290 4-Hydroxy-4-methyl-2-pentanone T	1		0.000					ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSV_HP04_ISSS_00003 Amount Added: 1.00 Units: uL Run Reagent

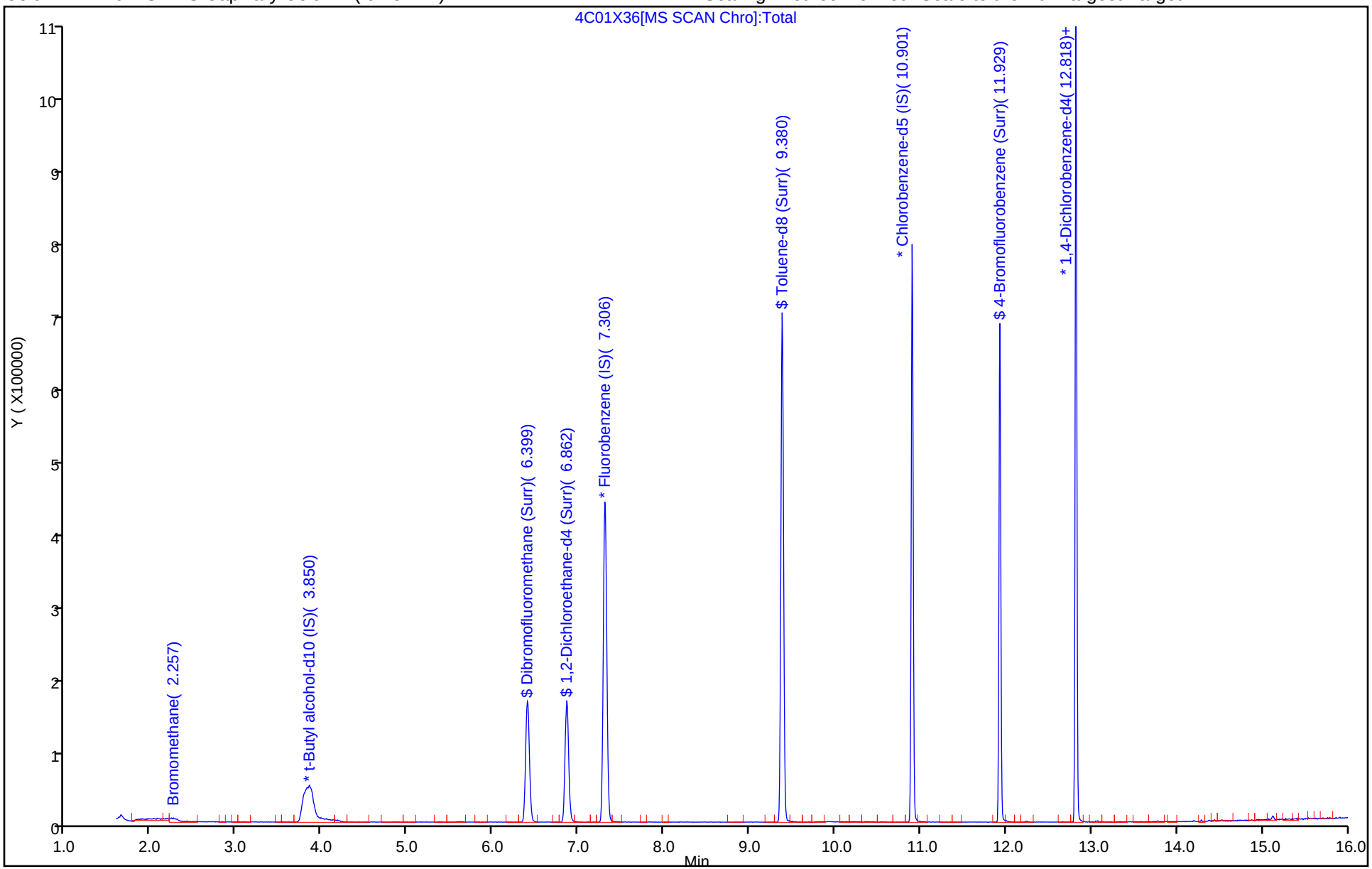
Report Date: 02-Oct-2024 14:28:08 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20241001-126519.b\4C01X36.D

Injection Date:	01-Oct-2024 22:58:30	Instrument ID:	23297	Operator ID:	AGD105956
Lims ID:	MB			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	MSVoa_23297	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\23297\20241001-126519.b\4C01X36.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 01-Oct-2024 22:58:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0126519-007
Misc. Info.: MB
Operator ID: AGD105956 Instrument ID: 23297

Method: \\chromfs\Lancaster\ChromData\23297\20241001-126519.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 02-Oct-2024 14:28:08 Calib Date: 17-Sep-2024 18:24:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20240917-125144.b\4S17X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1678

First Level Reviewer: Z6YX Date: 01-Oct-2024 23:23:46

Compound	Amount Added	Amount Recovered	% Rec.
$ 51 Dibromofluoromethane (Surr)	50.0	50.3	100.64
$ 57 1,2-Dichloroethane-d4 (Surr)	50.0	50.8	101.61
$ 80 Toluene-d8 (Surr)	50.0	51.8	103.52
$ 143 4-Bromofluorobenzene (Surr)	50.0	48.1	96.24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-190105-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-558854/10

Matrix: Water
Lab File ID: WC03X09.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 5(mL)
Date Analyzed: 10/03/2024 12:01

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 558854
Units: ug/L

Preparation Batch No.:
Instrument ID: 9137

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.30
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.30
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.30
75-34-3	1,1-Dichloroethane	ND		1.0	0.30
75-35-4	1,1-Dichloroethene	ND		1.0	0.30
106-93-4	1,2-Dibromoethane (EDB)	ND		1.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.30
78-87-5	1,2-Dichloropropane	ND		1.0	0.30
78-93-3	2-Butanone (MEK)	ND		10	0.50
591-78-6	2-Hexanone	ND		10	0.85
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	0.50
67-64-1	Acetone	ND		20	0.70
71-43-2	Benzene	ND		1.0	0.30
74-97-5	Bromochloromethane	ND		5.0	0.20
75-27-4	Bromodichloromethane	ND		1.0	0.20
75-25-2	Bromoform	ND		4.0	1.0
74-83-9	Bromomethane	ND		1.0	0.30
75-15-0	Carbon disulfide	ND		5.0	0.30
56-23-5	Carbon tetrachloride	ND		1.0	0.30
108-90-7	Chlorobenzene	ND		1.0	0.30
75-00-3	Chloroethane	ND		1.0	0.30
67-66-3	Chloroform	ND		1.0	0.30
74-87-3	Chloromethane	ND		2.0	0.55
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.20
124-48-1	Dibromochloromethane	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.40
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.20
75-09-2	Methylene Chloride	ND		1.0	0.30
100-42-5	Styrene	ND		5.0	0.30
127-18-4	Tetrachloroethene	ND		1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-190105-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-558854/10

Matrix: Water
Lab File ID: WC03X09.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 5(mL)
Date Analyzed: 10/03/2024 12:01

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 558854
Units: ug/L

Preparation Batch No.:
Instrument ID: 9137

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		1.0	0.30
156-60-5	trans-1,2-Dichloroethene	ND		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.20
79-01-6	Trichloroethene	ND		1.0	0.30
75-01-4	Vinyl chloride	ND		1.0	0.30
1330-20-7	Xylenes, Total	ND		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		80-120
460-00-4	4-Bromofluorobenzene (Surr)	98		80-120
1868-53-7	Dibromofluoromethane (Surr)	102		80-120
2037-26-5	Toluene-d8 (Surr)	100		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9137\20241003-126695.b\WC03X09.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 03-Oct-2024 12:01:30 ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0126695-010
Misc. Info.: MB
Operator ID: knk41612 Instrument ID: 9137

Method: \\chromfs\Lancaster\ChromData\9137\20241003-126695.b\MSVoa_9137.m
Limit Group: MSV - 8260C_D
Last Update: 03-Oct-2024 15:43:42 Calib Date: 01-Oct-2024 00:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9137\20240930-126367.b\WS30X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1623

First Level Reviewer: DVW2 Date: 03-Oct-2024 15:39:43

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
A	1 C4-C10	1		(0.000-0.100)					ND	
A	2 C4-C12	1		(0.000-0.250)					ND	
	4 Chlorotrifluoroethene	116		1.969					ND	
	6 Dichlorodifluoromethane	85		2.014					ND	
	5 Chlorodifluoromethane	51		2.021					ND	
	7 Chloromethane	50		2.220					ND	
	8 Vinyl chloride	62		2.341					ND	
	9 Butadiene	39		2.361					ND	7
	10 2-Chloro-1,1,1-Trifluoroethane	118		2.428					ND	
	11 Bromomethane	94		2.698					ND	
	12 Chloroethane	64		2.781					ND	
	13 Dichlorofluoromethane	67		3.051					ND	
	14 Trichlorofluoromethane	101		3.108					ND	
	15 Pentane	43		3.144					ND	7
	17 Ethanol	45		3.221					ND	
	16 Ethyl ether	59		3.349					ND	
	18 1,2-Dichloro-1,1,2-trifluoroetha	67		3.471					ND	
	19 Acrolein	56		3.545					ND	
	21 1,1-Dichloroethene	96		3.699					ND	
	22 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.721					ND	
	20 Acetone	58		3.725					ND	
	23 Isopropyl alcohol	45		3.901					ND	
	25 Iodomethane	142		3.904					ND	
	26 Carbon disulfide	76		4.020					ND	7
	29 Acetonitrile	41		4.138					ND	7
	28 Methyl acetate	43		4.155					ND	7
	27 3-Chloro-1-propene	41		4.187					ND	7
	30 Methylene Chloride	84		4.398					ND	
*	32 t-Butyl alcohol-d10 (IS)	65	4.405	4.434	-0.029	14	262266	250.0	250.0	
	33 2-Methyl-2-propanol	59		4.559					ND	
	34 Acrylonitrile	53		4.739					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
36 Methyl tert-butyl ether	73		4.799					ND	
35 trans-1,2-Dichloroethene	96		4.803					ND	
37 Hexane	57		5.226					ND	
39 Vinyl acetate	43		5.464					ND	7
38 1,1-Dichloroethane	63		5.470					ND	
40 Isopropyl ether	45		5.531					ND	
41 2-Chloro-1,3-butadiene	53		5.579					ND	
42 Tert-butyl ethyl ether	59		6.067					ND	
S 80 1,2-Dichloroethene, Total	100		6.155					ND	7
44 2-Butanone (MEK)	43		6.285					ND	7
43 cis-1,2-Dichloroethene	96		6.304					ND	
45 2,2-Dichloropropane	77		6.327					ND	
46 Ethyl acetate	43		6.330					ND	
47 Propionitrile	54		6.388					ND	
A 82 C6-C10	1	6.394	(2.952-9.836)		0	218173		NC	
48 Methyl acrylate	55		6.410					ND	
49 Methacrylonitrile	67		6.596					ND	
50 Chlorobromomethane	128		6.635					ND	
51 Tetrahydrofuran	71		6.648					ND	
52 Chloroform	83		6.786					ND	
$ 54 Dibromofluoromethane (Surr)	113	7.001	7.004	-0.003	93	214423	50.0	51.2	
55 1,1,1-Trichloroethane	97		7.017					ND	
56 Cyclohexane	56		7.110					ND	
A 89 C5-C12	1	7.153	(2.686-11.621)		0	2576865		NC	
58 Carbon tetrachloride	117		7.219					ND	
57 1,1-Dichloropropene	75		7.225					ND	7
A 92 C6-C12	1	7.286	(2.952-11.621)		0	2565521		NC	
59 Isobutyl alcohol	41		7.392					ND	
$ 60 1,2-Dichloroethane-d4 (Surr)	102	7.453	7.463	-0.010	69	54552	50.0	50.0	
61 Benzene	78		7.492					ND	
95 t-Amyl alcohol	73		7.511					ND	
62 1,2-Dichloroethane	62		7.566					ND	
63 Isopropyl acetate	43		7.572					ND	7
64 Tert-amyl methyl ether	73		7.684					ND	
* 65 Fluorobenzene (IS)	96	7.890	7.896	-0.006	99	871367	50.0	50.0	
66 n-Heptane	43		7.899					ND	7
67 n-Butanol	56		8.275					ND	
68 Trichloroethene	95		8.374					ND	
69 Ethyl acrylate	55		8.490					ND	
70 Methylcyclohexane	83		8.682					ND	
72 2-ethoxy-2-methyl butane	87		8.711					ND	
71 1,2-Dichloropropane	63		8.714					ND	
74 Methyl methacrylate	69		8.791					ND	
75 1,4-Dioxane	88		8.791					ND	
73 Dibromomethane	93		8.820					ND	
76 n-Propyl acetate	61		8.862					ND	
77 Dichlorobromomethane	83		9.055					ND	
78 2-Nitropropane	41		9.334					ND	
79 2-Chloroethyl vinyl ether	63		9.411					ND	
124 2,3,4-Trichlorobutene	109		9.417					ND	
81 cis-1,3-Dichloropropene	75		9.590					ND	
83 4-Methyl-2-pentanone (MIBK)	43		9.764					ND	7

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 84 Toluene-d8 (Surr)	98	9.886	9.892	-0.006	93	867859	50.0	50.0	
85 Toluene	92		9.966				ND		7
S 162 1,3-Dichloropropene, Total	100		10.060				ND		7
86 trans-1,3-Dichloropropene	75		10.216				ND		
87 Ethyl methacrylate	69		10.274				ND		
88 1,1,2-Trichloroethane	97		10.422				ND		
90 Tetrachloroethene	166		10.502				ND		
91 1,3-Dichloropropane	76		10.582				ND		
93 3,4-Dichloro-1-butene	75		10.614				ND		7
94 2-Hexanone	43		10.633				ND		
97 n-Butyl acetate	43		10.739				ND		7
96 Chlorodibromomethane	129		10.791				ND		
98 Ethylene Dibromide	107		10.900				ND		
S 178 Xylenes, Total	106		11.245				ND		7
* 101 Chlorobenzene-d5 (IS)	117	11.323	11.326	-0.003	85	656856	50.0	50.0	
103 1-Chlorohexane	91		11.333				ND		U
102 Chlorobenzene	112		11.352				ND		7
104 1,1,1,2-Tetrachloroethane	131		11.432				ND		
105 Ethylbenzene	91		11.436				ND		7
106 m-Xylene & p-Xylene	106		11.551				ND		7
107 n-Butyl acrylate	55		11.824				ND		
108 o-Xylene	106		11.878				ND		
109 Styrene	104		11.894				ND		
110 Bromoform	173		12.048				ND		
111 Isopropylbenzene	105		12.177				ND		
112 cis-1,4-Dichloro-2-butene	88		12.222				ND		U
113 Cyclohexanone	55		12.257				ND		7
$ 114 4-Bromofluorobenzene (Surr)	95	12.318	12.318	0.000	90	317954	50.0	48.8	
116 1,1,2,2-Tetrachloroethane	83		12.421				ND		
115 Bromobenzene	156		12.437				ND		
119 trans-1,4-Dichloro-2-butene	53		12.446				ND		
118 1,2,3-Trichloropropane	110		12.469				ND		
120 N-Propylbenzene	91		12.501				ND		
121 2-Chlorotoluene	126		12.581				ND		
122 1,3,5-Trimethylbenzene	105		12.636				ND		
123 4-Chlorotoluene	126		12.671				ND		
125 tert-Butylbenzene	134		12.880				ND		
126 Pentachloroethane	167		12.915				ND		
127 1,2,4-Trimethylbenzene	105		12.921				ND		7
128 sec-Butylbenzene	105		13.043				ND		
131 1,3-Dichlorobenzene	146		13.143				ND		7
132 4-Isopropyltoluene	119		13.146				ND		
* 133 1,4-Dichlorobenzene-d4	152	13.197	13.197	0.000	95	368754	50.0	50.0	
134 1,4-Dichlorobenzene	146		13.213				ND		7
148 1,2,3-Trimethylbenzene	105		13.226				ND		
170 Benzyl chloride	91		13.293				ND		
171 1,3-Diethylbenzene	119		13.348				ND		
172 p-Diethylbenzene	119		13.419				ND		
173 n-Butylbenzene	92		13.438				ND		
174 1,2-Dichlorobenzene	146		13.476				ND		7
175 o-diethylbenzene	119		13.492				ND		
185 Hexachloroethane	201		13.560				ND		

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
176 1,2-Dibromo-3-Chloropropane	75		14.015					ND	
177 1,3,5-Trichlorobenzene	180		14.141					ND	
179 1,2,4-Trichlorobenzene	180		14.564					ND	
181 2-Ethylhexyl acrylate	55		14.619					ND	
180 Hexachlorobutadiene	225		14.644					ND	
182 Naphthalene	128		14.750					ND	7
183 1,2,3-Trichlorobenzene	180		14.895					ND	
184 2-Methylnaphthalene	142		15.540					ND	7
186 tert-Butyl Formate	1		0.000					ND	
219 sec-Butyl Alcohol	45		0.000					ND	
220 Diethoxymethane	1		0.000					ND	
211 Ethyl bromide	1		0.000					ND	
212 1,3-Divinylbenzene	1		0.000					ND	
213 Propene oxide	1		0.000					ND	
215 2-ethoxy-2-methyl butane TIC	1		0.000					ND	
216 Dimethylformamide TIC	1		0.000					ND	
217 Undecane	1		0.000					ND	
218 4-Ethyltoluene	1		0.000					ND	
221 1,4-Divinylbenzene	1		0.000					ND	
286 2-Methylhexane TIC	1		0.000					ND	
288 3-Methylpentane TIC	1		0.000					ND	
222 1,1,1,2-Tetrafluoroethane TIC	1		0.000					ND	
223 3-Pentanone TIC	1		0.000					ND	
$ 280 trans-1,2,3-Trichlorobutene-2 TI	1		0.000					ND	
281 2,3-Dimethylbutane TIC	1		0.000					ND	
282 2,2-Dimethylbutane TIC	1		0.000					ND	
283 Methylcyclopentane TIC	1		0.000					ND	
284 Dimethyl Sulfide TIC	1		0.000					ND	
285 2,2-Dimethylpropane TIC	1		0.000					ND	
210 n-Octane	1		0.000					ND	
S 209 divinyl benzene	1		0.000					ND	7
194 1-Chlorobutane	1		0.000					ND	
195 trans-1,2,3-Trichlorobutene-2	1		0.000					ND	
196 3-Methyl-1-butene	1		0.000					ND	
187 1,1-Dichloro-1-fluoroethane	1		0.000					ND	
188 cis-1,2,3-Trichlorobutene-2	1		0.000					ND	
189 Decamethylcyclopentasiloxane TIC	1		0.000					ND	
190 n-Nonane	1		0.000					ND	
191 Gasoline (Unleaded)	1		0.000					ND	
192 1-Methylnaphthalene	142		0.000					ND	
193 sec-Butyl Alcohol TIC	1		0.000					ND	
197 Propanol	1		0.000					ND	
S 205 Total Diethylbenzene	1		0.000					ND	7
206 1,1,2,2-Tetrachloro-1,2-difluoro	1		0.000					ND	
198 3-chloro-1-Butene	1		0.000					ND	
199 Chloroacetonitrile	1		0.000					ND	
200 Methylal	1		0.000					ND	
201 2,3-Dichloro-1,3-butadiene	1		0.000					ND	
S 202 Total BTEX	1		0.000					ND	
203 Isobutyl acetate	43		0.000					ND	
204 1-Bromo-2-chloroethane	1		0.000					ND	
289 Cyclopentane TIC	1		0.000					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
290 3-Methylhexane 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_Cent_ISSS_00030 Amount Added: 5.00 Units: uL Run Reagent

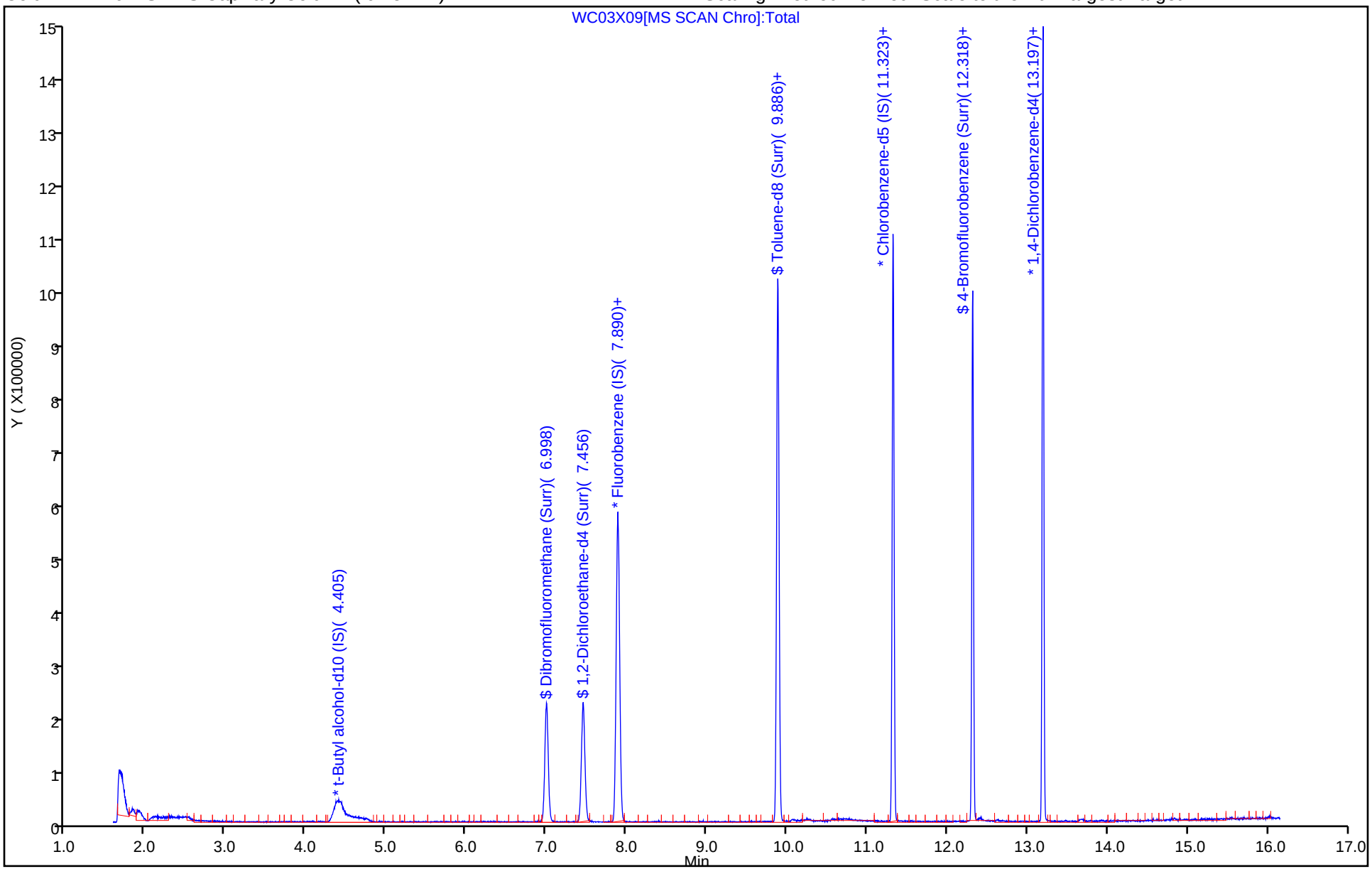
Report Date: 03-Oct-2024 15:44:43 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9137\20241003-126695.b\WC03X09.D

Injection Date:	03-Oct-2024 12:01:30	Instrument ID:	9137	Operator ID:	knk41612
Lims ID:	MB			Worklist Smp#:	10
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	MSVoa_9137	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\9137\20241003-126695.b\WC03X09.D				
Lims ID:	MB				
Client ID:					
Sample Type:	MB				
Inject. Date:	03-Oct-2024 12:01:30	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0126695-010				
Misc. Info.:	MB				
Operator ID:	knk41612	Instrument ID:	9137		
Method:	\\chromfs\Lancaster\ChromData\9137\20241003-126695.b\MSVoa_9137.m				
Limit Group:	MSV - 8260C_D				
Last Update:	03-Oct-2024 15:43:42	Calib Date:	01-Oct-2024 00:40:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9137\20240930-126367.b\WS30X17.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1623				

First Level Reviewer: DVW2 Date: 03-Oct-2024 15:39:43

Compound	Amount Added	Amount Recovered	% Rec.
$ 54 Dibromofluoromethane (Surr)	50.0	51.2	102.46
$ 60 1,2-Dichloroethane-d4 (Surr)	50.0	50.0	99.91
$ 84 Toluene-d8 (Surr)	50.0	50.0	100.07
$ 114 4-Bromofluorobenzene (Surr)	50.0	48.8	97.53

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-190105-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-560477/7

Matrix: Water
Lab File ID: LC08X06.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 5(mL)
Date Analyzed: 10/08/2024 10:00

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 560477
Units: ug/L

Preparation Batch No.:
Instrument ID: 9915

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.30
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.30
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.30
75-34-3	1,1-Dichloroethane	ND		1.0	0.30
75-35-4	1,1-Dichloroethene	ND		1.0	0.30
106-93-4	1,2-Dibromoethane (EDB)	ND		1.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.30
78-87-5	1,2-Dichloropropane	ND		1.0	0.30
78-93-3	2-Butanone (MEK)	ND		10	0.50
591-78-6	2-Hexanone	ND		10	0.85
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	0.50
67-64-1	Acetone	ND		20	0.70
71-43-2	Benzene	ND		1.0	0.30
74-97-5	Bromochloromethane	ND		5.0	0.20
75-27-4	Bromodichloromethane	ND		1.0	0.20
75-25-2	Bromoform	ND		4.0	1.0
74-83-9	Bromomethane	ND		1.0	0.30
75-15-0	Carbon disulfide	ND		5.0	0.30
56-23-5	Carbon tetrachloride	ND		1.0	0.30
108-90-7	Chlorobenzene	ND		1.0	0.30
75-00-3	Chloroethane	ND		1.0	0.30
67-66-3	Chloroform	ND		1.0	0.30
74-87-3	Chloromethane	ND		2.0	0.55
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.20
124-48-1	Dibromochloromethane	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.40
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.20
75-09-2	Methylene Chloride	ND		1.0	0.30
100-42-5	Styrene	ND		5.0	0.30
127-18-4	Tetrachloroethene	ND		1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-190105-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-560477/7

Matrix: Water
Lab File ID: LC08X06.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 5(mL)
Date Analyzed: 10/08/2024 10:00

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 560477
Units: ug/L

Preparation Batch No.:
Instrument ID: 9915

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	ND		1.0	0.30
156-60-5	trans-1,2-Dichloroethene	ND		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.20
79-01-6	Trichloroethene	ND		1.0	0.30
75-01-4	Vinyl chloride	ND		1.0	0.30
1330-20-7	Xylenes, Total	ND		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		80-120
460-00-4	4-Bromofluorobenzene (Surr)	90		80-120
1868-53-7	Dibromofluoromethane (Surr)	100		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\9915\20241008-127062.b\LC08X06.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 08-Oct-2024 10:00:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0127062-007
Misc. Info.: MB
Operator ID: clm27445 Instrument ID: 9915

Method: \\chromfs\Lancaster\ChromData\9915\20241008-127062.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 09-Oct-2024 10:19:22 Calib Date: 15-Jul-2024 19:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20240715-119345.b\LL15X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1605

First Level Reviewer: TQ4J Date: 08-Oct-2024 11:14:04

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Chlorotrifluoroethene	116		1.904					ND	
3 Dichlorodifluoromethane	85		1.933					ND	
4 Chlorodifluoromethane	51		1.959					ND	7
5 Chloromethane	50		2.132					ND	7
6 Butadiene	39		2.235					ND	7
7 Vinyl chloride	62		2.245					ND	7
8 2-Chloro-1,1,1-Trifluoroethane	118		2.319					ND	
9 Bromomethane	94		2.576					ND	
10 Chloroethane	64		2.637					ND	
11 Dichlorofluoromethane	67		2.878					ND	7
12 Trichlorofluoromethane	101		2.956					ND	
13 Pentane	43		2.956					ND	7
14 Ethanol	45		3.078					ND	
15 Ethyl ether	59		3.168					ND	
16 1,2-Dichloro-1,1,2-trifluoroetha	67		3.267					ND	7
17 Acrolein	56		3.319					ND	
18 1,1-Dichloroethene	96		3.464					ND	7
19 Acetone	58		3.483					ND	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.515					ND	
21 Isopropyl alcohol	45		3.644					ND	
22 Iodomethane	142		3.650					ND	
23 Carbon disulfide	76		3.753					ND	7
24 Acetonitrile	41		3.849					ND	7
25 Methyl acetate	43		3.888					ND	7
26 3-Chloro-1-propene	41		3.920					ND	7
27 Methylene Chloride	84		4.097					ND	7
* 28 t-Butyl alcohol-d10 (IS)	65	4.142	4.126	0.016	28	238369	250.0	250.0	
29 2-Methyl-2-propanol	59		4.261					ND	
30 Acrylonitrile	53		4.419					ND	
31 Methyl tert-butyl ether	73		4.499					ND	
32 trans-1,2-Dichloroethene	96		4.505					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
35 Hexane	57		4.949					ND	
37 Vinyl acetate	43		5.177					ND	
36 1,1-Dichloroethane	63		5.177					ND	
38 Isopropyl ether	45		5.248					ND	7
39 2-Chloro-1,3-butadiene	53		5.290					ND	
40 Tert-butyl ethyl ether	59		5.782					ND	
41 2-Butanone (MEK)	43		5.988					ND	
42 cis-1,2-Dichloroethene	96		6.013					ND	
43 2,2-Dichloropropane	77		6.033					ND	
45 Methyl acrylate	55		6.071					ND	
44 Ethyl acetate	43		6.071					ND	7
46 Propionitrile	54		6.074					ND	
S 47 1,2-Dichloroethene, Total	100		6.155					ND	7
48 Methacrylonitrile	67		6.290					ND	
49 Chlorobromomethane	128		6.348					ND	
50 Tetrahydrofuran	71		6.364					ND	
51 Chloroform	83		6.502					ND	7
$ 52 Dibromofluoromethane (Surr)	113	6.721	6.711	0.010	93	259552	50.0	49.9	
53 1,1,1-Trichloroethane	97		6.734					ND	
54 Cyclohexane	56		6.846					ND	
56 1,1-Dichloropropene	75		6.949					ND	
55 Carbon tetrachloride	117		6.955					ND	
57 Isobutyl alcohol	41		7.110					ND	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	7.184	7.174	0.010	83	64929	50.0	51.6	
59 Benzene	78		7.213					ND	7
60 1,2-Dichloroethane	62		7.274					ND	7
61 Isopropyl acetate	43		7.303					ND	7
62 Tert-amyl methyl ether	73		7.412					ND	7
* 63 Fluorobenzene (IS)	96	7.624	7.621	0.003	99	1037564	50.0	50.0	
64 n-Heptane	43		7.647					ND	7
65 t-Amyl alcohol	73	7.685	7.746	-0.061	1	143		NC	
66 n-Butanol	56		8.010					ND	
67 Trichloroethene	95		8.103					ND	
68 Ethyl acrylate	55		8.158					ND	
69 Methylcyclohexane	83		8.415					ND	7
70 1,2-Dichloropropane	63		8.434					ND	
71 2-ethoxy-2-methyl butane	87		8.447					ND	
72 Methyl methacrylate	69		8.524					ND	
73 1,4-Dioxane	88		8.531					ND	
74 Dibromomethane	93		8.541					ND	
75 n-Propyl acetate	61		8.605					ND	
76 Dichlorobromomethane	83		8.782					ND	
77 2-Nitropropane	41		9.049					ND	7
78 2-Chloroethyl vinyl ether	63		9.155					ND	
79 cis-1,3-Dichloropropene	75		9.335					ND	7
80 4-Methyl-2-pentanone (MIBK)	43		9.515					ND	7
$ 82 Toluene-d8 (Surr)	98	9.653	9.653	0.000	93	963039	50.0	52.0	
90 Toluene	92		9.730					ND	
95 trans-1,3-Dichloropropene	75		9.987					ND	7
114 Ethyl methacrylate	69		10.058					ND	
S 115 1,3-Dichloropropene, Total	100		10.060					ND	7
117 1,1,2-Trichloroethane	97		10.190					ND	7

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
118 Tetrachloroethene	166		10.290				ND		
119 1,3-Dichloropropane	76		10.357				ND		
120 3,4-Dichloro-1-butene	75		10.399				ND		7
121 2-Hexanone	43		10.415				ND		7
122 n-Butyl acetate	43		10.540				ND		
123 Chlorodibromomethane	129		10.573				ND		
124 Ethylene Dibromide	107		10.685				ND		
* 125 Chlorobenzene-d5 (IS)	117	11.126	11.122	0.004	85	731428	50.0	50.0	
127 1-Chlorohexane	91		11.135				ND		7
128 Chlorobenzene	112		11.151				ND		7
131 1,1,1,2-Tetrachloroethane	131		11.232				ND		
132 Ethylbenzene	91		11.238				ND		7
S 133 Xylenes, Total	106		11.245				ND		7
134 m-Xylene & p-Xylene	106		11.354				ND		7
135 n-Butyl acrylate	55		11.663				ND		
136 o-Xylene	106		11.685				ND		
137 Styrene	104		11.701				ND		
138 Bromoform	173		11.852				ND		
139 Isopropylbenzene	105		11.987				ND		
140 cis-1,4-Dichloro-2-butene	88		12.029				ND		U
141 Cyclohexanone	55		12.061				ND		7
$ 142 4-Bromofluorobenzene (Surr)	95	12.129	12.129	0.000	92	329756	50.0	45.0	
145 1,1,2,2-Tetrachloroethane	83		12.229				ND		7
146 Bromobenzene	156		12.245				ND		7
147 trans-1,4-Dichloro-2-butene	53		12.254				ND		
148 1,2,3-Trichloropropane	110		12.274				ND		
149 N-Propylbenzene	91		12.315				ND		7
150 2-Chlorotoluene	126		12.389				ND		
151 1,3,5-Trimethylbenzene	105		12.454				ND		7
152 4-Chlorotoluene	126		12.486				ND		
153 2,3,4-Trichlorobutene	109		12.569				ND		
154 tert-Butylbenzene	134		12.695				ND		7
155 Pentachloroethane	167		12.727				ND		
156 1,2,4-Trimethylbenzene	105		12.737				ND		7
157 sec-Butylbenzene	105		12.859				ND		7
158 1,3-Dichlorobenzene	146		12.955				ND		7
159 4-Isopropyltoluene	119		12.965				ND		7
* 161 1,4-Dichlorobenzene-d4	152	13.013	13.010	0.003	95	428783	50.0	50.0	
162 1,4-Dichlorobenzene	146		13.029				ND		7
163 1,2,3-Trimethylbenzene	105		13.042				ND		7
164 Benzyl chloride	91		13.106				ND		7
165 1,3-Diethylbenzene	119		13.167				ND		7
166 p-Diethylbenzene	119		13.238				ND		7
167 n-Butylbenzene	92		13.257				ND		7
168 1,2-Dichlorobenzene	146		13.290				ND		7
169 o-diethylbenzene	119		13.312				ND		7
170 Hexachloroethane	201		13.580				ND		
171 1,2-Dibromo-3-Chloropropane	75		13.827				ND		7
172 1,3,5-Trichlorobenzene	180		13.958				ND		7
173 1,2,4-Trichlorobenzene	180		14.380				ND		7
174 2-Ethylhexyl acrylate	55		14.389				ND		U
175 Hexachlorobutadiene	225		14.466				ND		7

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
176 Naphthalene	128		14.560					ND	7
177 1,2,3-Trichlorobenzene	180		14.704					ND	7
178 2-Methylnaphthalene	142		15.322					ND	7
179 C4-C10	1		0.000					ND	
S 180 Total Diethylbenzene	1		0.000					ND	7
181 C6-C12	1		0.000					ND	
182 1-Bromo-2-chloroethane	1		0.000					ND	
183 Ethyl bromide	1		0.000					ND	
184 cis-1,2,3-Trichlorobutene-2	1		0.000					ND	
185 n-Nonane	1		0.000					ND	
S 186 divinyl benzene	1		0.000					ND	7
187 sec-Butyl Alcohol	45		0.000					ND	
188 C4-C12	1		0.000					ND	
189 Isobutyl acetate	43		0.000					ND	
190 Propanol	1		0.000					ND	
191 4-Hydroxy-4-methyl-2-pentanone T	1		0.000					ND	
192 Gasoline (Unleaded)	1		0.000					ND	
193 1,1,1,2-Tetrafluoroethane TIC	1		0.000					ND	
194 2,3-Dimethylbutane TIC	1		0.000					ND	
195 2,2-Dimethylbutane TIC	1		0.000					ND	
196 Methylcyclopentane TIC	1		0.000					ND	
197 Decamethylcyclopentasiloxane TIC	1		0.000					ND	
198 Dimethyl Sulfide TIC	1		0.000					ND	
199 2,2-Dimethylpropane TIC	1		0.000					ND	
200 2-Methylhexane TIC	1		0.000					ND	
201 1-Methylnaphthalene (TIC)	1		0.000					ND	
202 3-Methylpentane TIC	1		0.000					ND	
203 1-Methylnaphthalene	142		0.000					ND	
204 3-Pentanone TIC	1		0.000					ND	
205 trans-1,2,3-Trichlorobutene-2	1		0.000					ND	
206 tert-Butyl Formate	1		0.000					ND	
207 1,1-Dichloro-1-fluoroethane	1		0.000					ND	
208 n-Decane	57		0.000					ND	
209 Diethoxymethane	1		0.000					ND	
210 Dodecane	57		0.000					ND	
211 Chloroacetonitrile	1		0.000					ND	
212 Butane	1		0.000					ND	
213 3-chloro-1-Butene	1		0.000					ND	
214 1,3-Divinylbenzene	1		0.000					ND	
215 C5-C12	1		0.000					ND	
216 1,1,2,2-Tetrachloro-1,2-difluoro	1		0.000					ND	
217 4-Ethyltoluene	1		0.000					ND	
218 3-chloro-1-Butene TIC	1		0.000					ND	
219 2-Butoxyethyl acetate	1		0.000					ND	
220 sec-Butyl Alcohol TIC	1		0.000					ND	
$ 221 trans-1,2,3-Trichlorobutene-2 TI	1		0.000					ND	
222 2-ethoxy-2-methyl butane TIC	1		0.000					ND	
223 Undecane	1		0.000					ND	
224 C6-C10	1		0.000					ND	
225 1,4-Divinylbenzene	1		0.000					ND	
226 n-Octane	1		0.000					ND	
227 2,3-Dichloro-1,3-butadiene	1		0.000					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
228 3-Methyl-1-butene	1		0.000					ND	
S 229 Total BTEX	1		0.000					ND	
230 Propene oxide	1		0.000					ND	
231 1-Chlorobutane	1		0.000					ND	
232 Cyclopentane TIC	1		0.000					ND	
233 3-Methylhexane TIC	1		0.000					ND	
234 Methylal	1		0.000					ND	
235 Dimethylformamide 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_HP23_ISSS_00014 Amount Added: 1.00 Units: uL Run Reagent

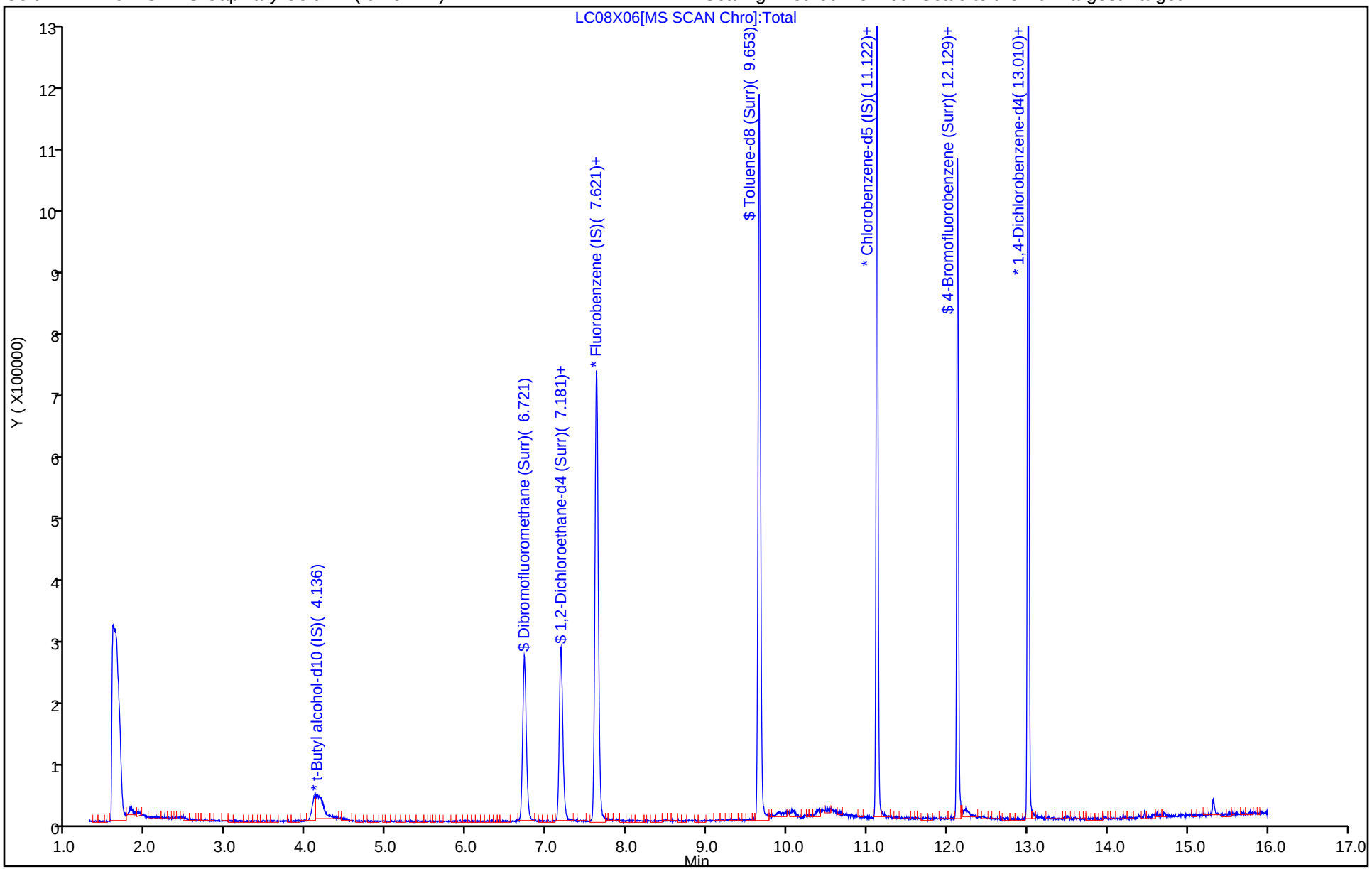
Report Date: 09-Oct-2024 10:19:23 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9915\20241008-127062.b\LC08X06.D

Injection Date:	08-Oct-2024 10:00:30	Instrument ID:	9915	Operator ID:	clm27445
Lims ID:	MB			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	MSVoa_9915a	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\9915\20241008-127062.b\LC08X06.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 08-Oct-2024 10:00:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0127062-007
Misc. Info.: MB
Operator ID: clm27445 Instrument ID: 9915

Method: \\chromfs\Lancaster\ChromData\9915\20241008-127062.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 09-Oct-2024 10:19:22 Calib Date: 15-Jul-2024 19:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20240715-119345.b\LL15X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1605

First Level Reviewer: TQ4J Date: 08-Oct-2024 11:14:04

Compound	Amount Added	Amount Recovered	% Rec.
$ 52 Dibromofluoromethane (Surr)	50.0	49.9	99.76
$ 58 1,2-Dichloroethane-d4 (Surr)	50.0	51.6	103.25
$ 82 Toluene-d8 (Surr)	50.0	52.0	103.95
$ 142 4-Bromofluorobenzene (Surr)	50.0	45.0	90.07

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-190105-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-558100/4

Matrix: Water
Lab File ID: 4C01X33.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 5(mL)
Date Analyzed: 10/01/2024 21:51

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 558100
Units: ug/L

Preparation Batch No.:
Instrument ID: 23297

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	17.6		1.0	0.30
71-55-6	1,1,1-Trichloroethane	16.9		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	18.3		1.0	0.30
79-00-5	1,1,2-Trichloroethane	18.6		1.0	0.30
75-34-3	1,1-Dichloroethane	18.8		1.0	0.30
75-35-4	1,1-Dichloroethene	18.3		1.0	0.30
106-93-4	1,2-Dibromoethane (EDB)	18.0		1.0	0.20
107-06-2	1,2-Dichloroethane	17.3		1.0	0.30
78-87-5	1,2-Dichloropropane	18.4		1.0	0.30
78-93-3	2-Butanone (MEK)	230		10	0.50
591-78-6	2-Hexanone	237		10	0.85
108-10-1	4-Methyl-2-pentanone (MIBK)	231		10	0.50
67-64-1	Acetone	251		20	0.70
71-43-2	Benzene	18.0		1.0	0.30
74-97-5	Bromochloromethane	18.3		5.0	0.20
75-27-4	Bromodichloromethane	17.1		1.0	0.20
75-25-2	Bromoform	15.7		4.0	1.0
74-83-9	Bromomethane	16.7		1.0	0.30
75-15-0	Carbon disulfide	16.0		5.0	0.30
56-23-5	Carbon tetrachloride	16.9		1.0	0.30
108-90-7	Chlorobenzene	18.0		1.0	0.30
75-00-3	Chloroethane	17.6		1.0	0.30
67-66-3	Chloroform	17.3		1.0	0.30
74-87-3	Chloromethane	16.2		2.0	0.55
156-59-2	cis-1,2-Dichloroethene	17.8		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	16.3		1.0	0.20
124-48-1	Dibromochloromethane	17.0		1.0	0.20
100-41-4	Ethylbenzene	17.4		1.0	0.40
1634-04-4	Methyl tert-butyl ether	18.4		1.0	0.20
75-09-2	Methylene Chloride	18.4		1.0	0.30
100-42-5	Styrene	18.0		5.0	0.30
127-18-4	Tetrachloroethene	17.6		1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-190105-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-558100/4

Matrix: Water
Lab File ID: 4C01X33.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 5(mL)
Date Analyzed: 10/01/2024 21:51

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 558100
Units: ug/L

Preparation Batch No.:
Instrument ID: 23297

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	18.5		1.0	0.30
156-60-5	trans-1,2-Dichloroethene	18.3		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	17.1		1.0	0.20
79-01-6	Trichloroethene	17.8		1.0	0.30
75-01-4	Vinyl chloride	16.3		1.0	0.30
1330-20-7	Xylenes, Total	52.7		1.0	0.40

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)	98		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\23297\20241001-126519.b\4C01X33.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 01-Oct-2024 21:51:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0126519-004
Misc. Info.: LCS
Operator ID: AGD105956 Instrument ID: 23297

Method: \\chromfs\Lancaster\ChromData\23297\20241001-126519.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 01-Oct-2024 23:26:10 Calib Date: 17-Sep-2024 18:24:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20240917-125144.b\4S17X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1626

First Level Reviewer: Z6YX Date: 01-Oct-2024 22:20:59

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.782	1.788	-0.006	99	65958	20.0	12.5	
4 Chloromethane	50	1.958	1.958	0.000	99	87847	20.0	16.2	
5 Vinyl chloride	62	2.062	2.062	0.000	97	82110	20.0	16.3	
6 Butadiene	39	2.068	2.074	-0.006	95	150408	20.0	26.5	
8 Bromomethane	94	2.366	2.372	-0.006	90	66516	20.0	16.7	
9 Chloroethane	64	2.439	2.445	-0.006	100	47435	20.0	17.6	
10 Dichlorofluoromethane	67	2.658	2.664	-0.006	97	123562	20.0	15.4	
11 Trichlorofluoromethane	101	2.719	2.725	-0.006	98	89359	20.0	14.2	
12 Pentane	43	2.743	2.743	0.000	97	71334	20.0	12.2	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.023	3.017	0.006	91	67817	20.0	17.3	
16 Acrolein	56	3.072	3.078	-0.006	98	183964	150.3	178.6	
18 1,1-Dichloroethene	96	3.224	3.218	0.006	97	54268	20.0	18.3	
17 Acetone	58	3.230	3.224	0.006	100	147884	250.0	251.0	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.242	3.260	-0.018	90	50465	20.0	14.1	
20 Isopropyl alcohol	45	3.388	3.400	-0.012	94	92180	150.0	147.1	
21 Iodomethane	142	3.406	3.400	0.006	98	105991	20.0	15.7	
22 Carbon disulfide	76	3.510	3.504	0.006	99	180438	20.0	16.0	
24 Methyl acetate	43	3.607	3.607	0.000	98	85683	20.0	21.8	
25 3-Chloro-1-propene	41	3.638	3.631	0.007	90	80537	20.0	15.9	
27 Methylene Chloride	84	3.814	3.820	-0.006	91	65027	20.0	18.4	
* 28 t-Butyl alcohol-d10 (IS)	65	3.857	3.856	0.001	94	249836	250.0	250.0	
29 2-Methyl-2-propanol	59	3.960	3.960	0.000	99	205687	200.0	198.9	
30 Acrylonitrile	53	4.100	4.100	0.000	98	210605	100.0	100.8	
31 Methyl tert-butyl ether	73	4.179	4.179	0.000	93	187964	20.0	18.4	
32 trans-1,2-Dichloroethene	96	4.179	4.179	0.000	99	56704	20.0	18.3	
34 Hexane	57	4.605	4.605	0.000	92	56335	20.0	13.6	
36 1,1-Dichloroethane	63	4.836	4.842	-0.006	96	97133	20.0	18.8	
37 Isopropyl ether	45	4.903	4.915	-0.012	94	171035	20.0	17.7	
38 2-Chloro-1,3-butadiene	53	4.952	4.952	0.000	90	72349	20.0	15.7	
39 Tert-butyl ethyl ether	59	5.450	5.456	-0.006	97	172508	20.0	17.6	
40 2-Butanone (MEK)	43	5.663	5.663	0.000	100	752411	250.0	230.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
41 cis-1,2-Dichloroethene	96	5.688	5.688	0.000	81	64581	20.0	17.8	
42 2,2-Dichloropropane	77	5.706	5.706	0.000	88	88937	20.0	16.6	
44 Propionitrile	54	5.749	5.748	0.001	99	143136	150.0	152.1	
46 Methacrylonitrile	67	5.974	5.974	0.000	92	308087	150.0	143.4	
47 Chlorobromomethane	128	6.028	6.022	0.006	87	36478	20.0	18.3	
48 Tetrahydrofuran	71	6.041	6.040	0.001	88	84031	100.0	91.7	
50 Chloroform	83	6.187	6.180	0.007	93	97115	20.0	17.3	
$ 51 Dibromofluoromethane (Surr)	113	6.399	6.405	-0.006	94	155781	50.0	48.9	
52 1,1,1-Trichloroethane	97	6.418	6.412	0.006	98	90408	20.0	16.9	
53 Cyclohexane	56	6.515	6.509	0.006	90	84160	20.0	14.7	
54 Carbon tetrachloride	117	6.631	6.631	0.000	87	78298	20.0	16.9	
55 1,1-Dichloropropene	75	6.631	6.631	0.000	95	71874	20.0	16.9	
56 Isobutyl alcohol	41	6.813	6.813	0.000	94	154910	500.0	426.4	
$ 57 1,2-Dichloroethane-d4 (Surr)	102	6.862	6.862	0.000	100	37314	50.0	49.4	
58 Benzene	78	6.892	6.898	-0.006	97	226321	20.0	18.0	
59 1,2-Dichloroethane	62	6.965	6.971	-0.006	97	75486	20.0	17.3	
61 Tert-amyl methyl ether	73	7.099	7.099	0.000	99	173568	20.0	18.0	
* 62 Fluorobenzene (IS)	96	7.306	7.312	-0.006	99	602756	50.0	50.0	
63 n-Heptane	43	7.336	7.336	0.000	94	59529	20.0	13.5	
64 n-Butanol	56	7.714	7.713	0.001	90	230593	1000.0	885.0	
65 Trichloroethene	95	7.799	7.799	0.000	97	59935	20.0	17.8	
68 Methylcyclohexane	83	8.109	8.109	0.000	89	86197	20.0	14.2	
69 1,2-Dichloropropane	63	8.127	8.127	0.000	93	58327	20.0	18.4	
70 2-ethoxy-2-methyl butane	87	8.158	8.151	0.007	93	85480	20.0	17.8	
71 1,4-Dioxane	88	8.231	8.231	0.000	42	32733	500.0	433.0	
72 Methyl methacrylate	69	8.231	8.231	0.000	92	53573	20.0	17.6	
73 Dibromomethane	93	8.243	8.243	0.000	97	41448	20.0	17.7	
75 Dichlorobromomethane	83	8.486	8.486	0.000	99	71032	20.0	17.1	
76 2-Nitropropane	41	8.760	8.760	0.000	99	24785	20.0	14.7	
77 2-Chloroethyl vinyl ether	63	8.863	8.863	0.000	92	43409	20.0	26.1	
78 cis-1,3-Dichloropropene	75	9.052	9.052	0.000	96	84288	20.0	16.3	
79 4-Methyl-2-pentanone (MIBK)	43	9.241	9.240	0.001	97	1461084	250.0	231.1	
$ 80 Toluene-d8 (Surr)	98	9.387	9.380	0.007	93	611648	50.0	51.5	
81 Toluene	92	9.466	9.466	0.000	98	143874	20.0	18.5	
82 trans-1,3-Dichloropropene	75	9.745	9.739	0.006	92	79039	20.0	17.1	
83 Ethyl methacrylate	69	9.818	9.818	0.000	89	88790	20.0	16.8	
101 1,1,2-Trichloroethane	97	9.952	9.952	0.000	90	57727	20.0	18.6	
117 Tetrachloroethene	166	10.044	10.043	0.001	96	64576	20.0	17.6	
121 1,3-Dichloropropane	76	10.123	10.123	0.000	91	87664	20.0	18.2	
123 2-Hexanone	43	10.183	10.183	0.000	96	1072859	250.0	236.6	
126 Chlorodibromomethane	129	10.342	10.342	0.000	89	62084	20.0	17.0	
127 Ethylene Dibromide	107	10.451	10.451	0.000	99	60831	20.0	18.0	
* 129 Chlorobenzene-d5 (IS)	117	10.901	10.901	0.000	84	462489	50.0	50.0	
130 1-Chlorohexane	91	10.920	10.919	0.001	97	68726	20.0	16.0	
131 Chlorobenzene	112	10.932	10.932	0.000	96	167438	20.0	18.0	
132 1,1,1,2-Tetrachloroethane	131	11.017	11.017	0.000	96	64960	20.0	17.6	
133 Ethylbenzene	91	11.023	11.023	0.000	98	274551	20.0	17.4	
134 m-Xylene & p-Xylene	106	11.145	11.145	0.000	100	222554	40.0	35.2	
136 o-Xylene	106	11.479	11.479	0.000	95	116696	20.0	17.5	
138 Styrene	104	11.498	11.491	0.007	95	184880	20.0	18.0	
139 Bromoform	173	11.650	11.650	0.000	98	46919	20.0	15.7	
140 Isopropylbenzene	105	11.783	11.783	0.000	95	311649	20.0	20.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 143 4-Bromofluorobenzene (Surr)	95	11.929	11.929	0.000	93	221226	50.0	49.3	
144 1,1,2,2-Tetrachloroethane	83	12.033	12.033	0.000	95	106680	20.0	18.3	
145 Bromobenzene	156	12.045	12.045	0.000	89	75725	20.0	17.5	
146 trans-1,4-Dichloro-2-butene	53	12.057	12.057	0.000	89	73341	100.0	46.1	
147 1,2,3-Trichloropropane	110	12.075	12.075	0.000	82	32021	20.0	18.0	
148 N-Propylbenzene	91	12.118	12.118	0.000	99	345129	20.0	18.1	
149 2-Chlorotoluene	126	12.191	12.191	0.000	98	75842	20.0	17.9	
150 1,3,5-Trimethylbenzene	105	12.258	12.258	0.000	94	264583	20.0	18.2	
151 4-Chlorotoluene	126	12.288	12.288	0.000	96	73084	20.0	17.5	
154 tert-Butylbenzene	134	12.501	12.501	0.000	92	50693	20.0	17.7	
156 1,2,4-Trimethylbenzene	105	12.544	12.544	0.000	97	271486	20.0	17.9	
157 sec-Butylbenzene	105	12.666	12.665	0.001	93	334159	20.0	17.8	
158 1,3-Dichlorobenzene	146	12.763	12.763	0.000	97	153099	20.0	17.7	
159 4-Isopropyltoluene	119	12.781	12.781	0.000	97	294779	20.0	17.5	
* 160 1,4-Dichlorobenzene-d4	152	12.818	12.818	0.000	93	284483	50.0	50.0	
161 1,4-Dichlorobenzene	146	12.836	12.836	0.000	96	158223	20.0	17.9	
163 1,2,3-Trimethylbenzene	105	12.854	12.854	0.000	98	281437	20.0	17.4	
164 Benzyl chloride	91	12.915	12.915	0.000	98	201733	20.0	16.7	
165 1,3-Diethylbenzene	119	12.982	12.982	0.000	96	176329	20.0	17.9	
166 p-Diethylbenzene	119	13.055	13.055	0.000	94	187944	20.0	17.6	
167 n-Butylbenzene	92	13.073	13.073	0.000	97	145156	20.0	17.8	
168 1,2-Dichlorobenzene	146	13.098	13.097	0.001	99	161134	20.0	17.9	
169 o-diethylbenzene	119	13.122	13.128	-0.006	94	148660	20.0	17.5	
171 1,2-Dibromo-3-Chloropropane	75	13.645	13.639	0.006	90	29530	20.0	17.0	
172 1,3,5-Trichlorobenzene	180	13.773	13.773	0.000	98	130550	20.0	18.1	
173 1,2,4-Trichlorobenzene	180	14.199	14.199	0.000	94	130513	20.0	19.0	
175 Hexachlorobutadiene	225	14.284	14.284	0.000	98	49562	20.0	17.8	
176 Naphthalene	128	14.375	14.375	0.000	96	466743	20.0	19.7	
177 1,2,3-Trichlorobenzene	180	14.521	14.521	0.000	96	130242	20.0	19.8	
178 2-Methylnaphthalene	142	15.117	15.117	0.000	92	257497	20.0	25.3	

QC Flag Legend

Processing Flags

Reagents:

MSV_LCS_VOC#1_00187	Amount Added: 50.00	Units: uL	
MSV_LCS_2CEVE_00192	Amount Added: 50.00	Units: uL	
MSV_LCS_ACROL_00191	Amount Added: 50.00	Units: uL	
MSV_LCS_Gases_00218	Amount Added: 50.00	Units: uL	
MSV_HP04_ISSS_00003	Amount Added: 1.00	Units: uL	Run Reagent

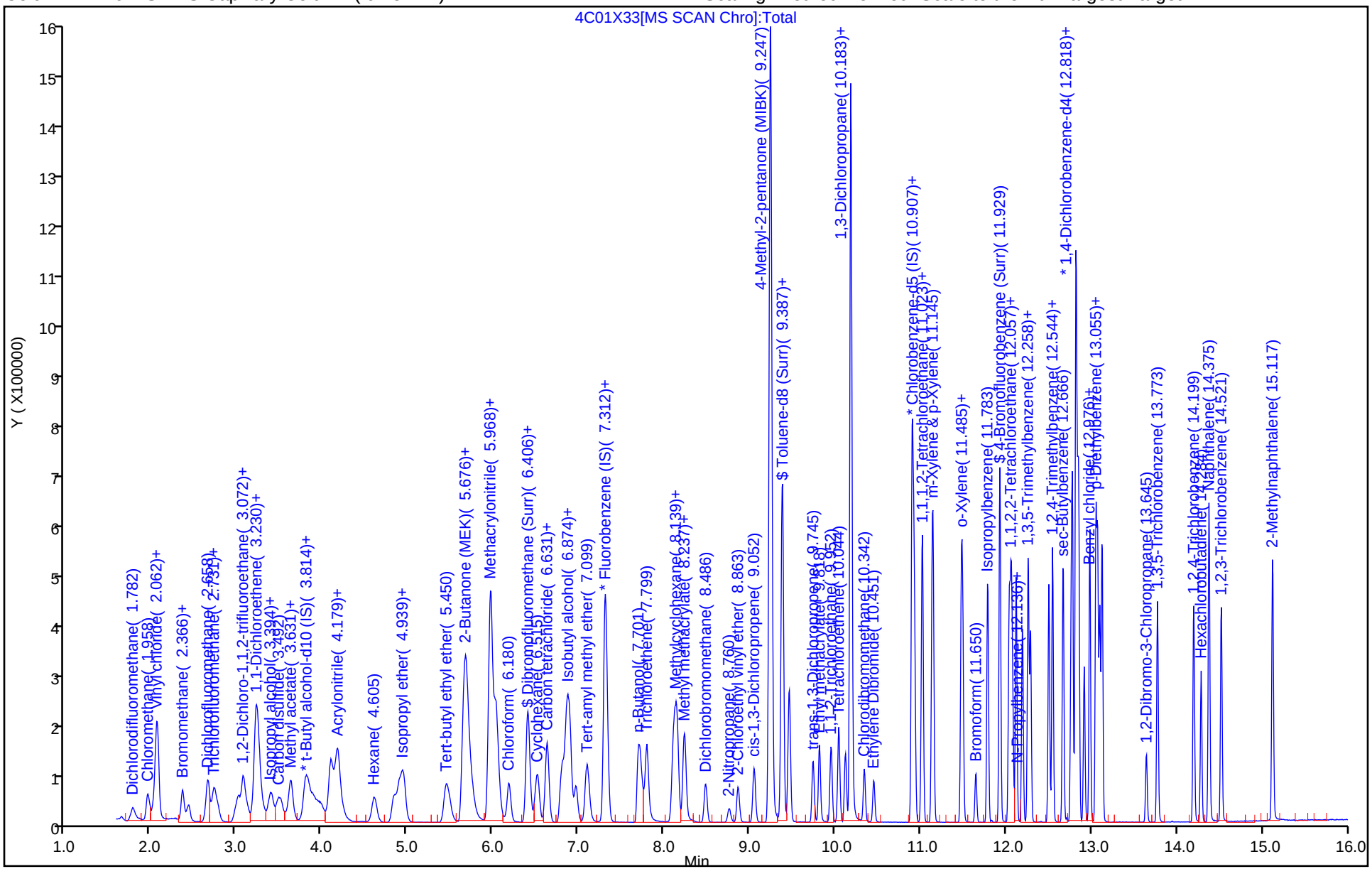
Report Date: 01-Oct-2024 23:26:14 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20241001-126519.b\4C01X33.D

Injection Date:	01-Oct-2024 21:51:30	Instrument ID:	23297	Operator ID:	AGD105956
Lims ID:	LCS			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	MSVoa_23297	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\23297\20241001-126519.b\4C01X33.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 01-Oct-2024 21:51:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0126519-004
Misc. Info.: LCS
Operator ID: AGD105956 Instrument ID: 23297

Method: \\chromfs\Lancaster\ChromData\23297\20241001-126519.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 01-Oct-2024 23:26:10 Calib Date: 17-Sep-2024 18:24:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20240917-125144.b\4S17X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1626

First Level Reviewer: Z6YX Date: 01-Oct-2024 22:20:59

Compound	Amount Added	Amount Recovered	% Rec.
$ 51 Dibromofluoromethane (Surr)	50.0	48.9	97.87
$ 57 1,2-Dichloroethane-d4 (Surr)	50.0	49.4	98.74
$ 80 Toluene-d8 (Surr)	50.0	51.5	102.99
$ 143 4-Bromofluorobenzene (Surr)	50.0	49.3	98.51

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-190105-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-558854/5

Matrix: Water
Lab File ID: WC03X04.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 5(mL)
Date Analyzed: 10/03/2024 10:12

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 558854
Units: ug/L

Preparation Batch No.:
Instrument ID: 9137

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	19.4		1.0	0.30
71-55-6	1,1,1-Trichloroethane	19.8		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	18.9		1.0	0.30
79-00-5	1,1,2-Trichloroethane	18.3		1.0	0.30
75-34-3	1,1-Dichloroethane	21.1		1.0	0.30
75-35-4	1,1-Dichloroethene	22.1		1.0	0.30
106-93-4	1,2-Dibromoethane (EDB)	18.0		1.0	0.20
107-06-2	1,2-Dichloroethane	19.4		1.0	0.30
78-87-5	1,2-Dichloropropane	19.1		1.0	0.30
78-93-3	2-Butanone (MEK)	226		10	0.50
591-78-6	2-Hexanone	240		10	0.85
108-10-1	4-Methyl-2-pentanone (MIBK)	242		10	0.50
67-64-1	Acetone	212		20	0.70
71-43-2	Benzene	19.4		1.0	0.30
74-97-5	Bromochloromethane	19.9		5.0	0.20
75-27-4	Bromodichloromethane	18.6		1.0	0.20
75-25-2	Bromoform	17.8		4.0	1.0
74-83-9	Bromomethane	14.1		1.0	0.30
75-15-0	Carbon disulfide	18.6		5.0	0.30
56-23-5	Carbon tetrachloride	19.2		1.0	0.30
108-90-7	Chlorobenzene	19.4		1.0	0.30
75-00-3	Chloroethane	16.3		1.0	0.30
67-66-3	Chloroform	20.5		1.0	0.30
74-87-3	Chloromethane	13.0		2.0	0.55
156-59-2	cis-1,2-Dichloroethene	20.3		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	16.6		1.0	0.20
124-48-1	Dibromochloromethane	18.9		1.0	0.20
100-41-4	Ethylbenzene	19.8		1.0	0.40
1634-04-4	Methyl tert-butyl ether	17.4		1.0	0.20
75-09-2	Methylene Chloride	20.1		1.0	0.30
100-42-5	Styrene	19.4		5.0	0.30
127-18-4	Tetrachloroethene	19.8		1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-190105-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-558854/5

Matrix: Water
Lab File ID: WC03X04.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 5(mL)
Date Analyzed: 10/03/2024 10:12

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 558854
Units: ug/L

Preparation Batch No.:
Instrument ID: 9137

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	19.7		1.0	0.30
156-60-5	trans-1,2-Dichloroethene	21.1		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	17.4		1.0	0.20
79-01-6	Trichloroethene	19.2		1.0	0.30
75-01-4	Vinyl chloride	13.7		1.0	0.30
1330-20-7	Xylenes, Total	58.6		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		80-120
460-00-4	4-Bromofluorobenzene (Surr)	101		80-120
1868-53-7	Dibromofluoromethane (Surr)	105		80-120
2037-26-5	Toluene-d8 (Surr)	102		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9137\20241003-126695.b\WC03X04.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 03-Oct-2024 10:12:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0126695-005
Misc. Info.: LCS
Operator ID: knk41612 Instrument ID: 9137

Method: \\chromfs\Lancaster\ChromData\9137\20241003-126695.b\MSVoa_9137.m
Limit Group: MSV - 8260C_D
Last Update: 03-Oct-2024 15:43:42 Calib Date: 01-Oct-2024 00:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9137\20240930-126367.b\WS30X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1623

First Level Reviewer: DVW2 Date: 03-Oct-2024 11:45:38

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
6 Dichlorodifluoromethane	85	2.018	2.014	0.004	99	123462	20.0	11.4	
7 Chloromethane	50	2.223	2.220	0.003	99	135428	20.0	13.0	
8 Vinyl chloride	62	2.335	2.341	-0.006	98	140820	20.0	13.7	
9 Butadiene	39	2.361	2.361	0.000	91	163561	20.0	15.7	
11 Bromomethane	94	2.701	2.698	0.003	90	103490	20.0	14.1	
12 Chloroethane	64	2.781	2.781	0.000	99	84239	20.0	16.3	
13 Dichlorofluoromethane	67	3.044	3.051	-0.007	98	228133	20.0	14.7	
14 Trichlorofluoromethane	101	3.112	3.108	0.004	97	180248	20.0	14.5	
15 Pentane	43	3.141	3.144	-0.003	97	157051	20.0	17.9	
17 Ethanol	45	3.401	3.221	0.180	25	98045	999.9	1055.9	a
18 1,2-Dichloro-1,1,2-trifluoroetha	67	3.458	3.471	-0.013	93	130140	20.0	17.3	
19 Acrolein	56	3.545	3.545	0.000	97	242091	150.3	127.4	
21 1,1-Dichloroethene	96	3.702	3.699	0.003	99	110742	20.0	22.1	
22 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.721	3.721	0.000	82	113369	20.0	18.5	
20 Acetone	58	3.725	3.725	0.001	100	241694	250.0	212.0	
23 Isopropyl alcohol	45	3.904	3.901	0.003	43	151585	150.0	129.8	
25 Iodomethane	142	3.898	3.904	-0.006	97	184531	20.0	18.3	
26 Carbon disulfide	76	4.020	4.020	0.000	99	324034	20.0	18.6	
28 Methyl acetate	43	4.158	4.155	0.004	95	118781	20.0	18.5	
27 3-Chloro-1-propene	41	4.177	4.187	-0.010	94	135126	20.0	18.6	
30 Methylene Chloride	84	4.395	4.398	-0.003	94	116002	20.0	20.1	
* 32 t-Butyl alcohol-d10 (IS)	65	4.456	4.434	0.022	62	373944	250.0	250.0	
33 2-Methyl-2-propanol	59	4.581	4.559	0.022	98	316891	200.0	191.5	
34 Acrylonitrile	53	4.742	4.739	0.003	97	323247	100.0	95.3	
36 Methyl tert-butyl ether	73	4.803	4.799	0.004	89	308525	20.0	17.4	
35 trans-1,2-Dichloroethene	96	4.796	4.803	-0.007	99	100704	20.0	21.1	
37 Hexane	57	5.230	5.226	0.004	92	110014	20.0	18.2	
38 1,1-Dichloroethane	63	5.473	5.470	0.003	96	171421	20.0	21.1	
40 Isopropyl ether	45	5.525	5.531	-0.006	93	281458	20.0	17.7	
41 2-Chloro-1,3-butadiene	53	5.576	5.579	-0.003	90	138372	20.0	18.8	
42 Tert-butyl ethyl ether	59	6.064	6.067	-0.003	98	295833	20.0	17.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
44 2-Butanone (MEK)	43	6.273	6.285	-0.012	100	1030993	250.0	226.1	
43 cis-1,2-Dichloroethene	96	6.308	6.304	0.004	82	110856	20.0	20.3	
45 2,2-Dichloropropane	77	6.321	6.327	-0.006	85	166885	20.0	18.9	
47 Propionitrile	54	6.388	6.388	0.000	94	224711	150.0	120.7	
48 Methyl acrylate	55	6.394	6.410	-0.016	98	161537	20.0	20.1	
49 Methacrylonitrile	67	6.587	6.596	-0.009	91	467794	150.0	140.4	
50 Chlorobromomethane	128	6.642	6.635	0.007	94	56613	20.0	19.9	
51 Tetrahydrofuran	71	6.651	6.648	0.003	83	123345	100.0	75.9	
52 Chloroform	83	6.783	6.786	-0.003	94	164598	20.0	20.5	
$ 54 Dibromofluoromethane (Surr)	113	7.004	7.004	0.000	94	242087	50.0	52.6	
55 1,1,1-Trichloroethane	97	7.014	7.017	-0.003	86	168033	20.0	19.8	
56 Cyclohexane	56	7.107	7.110	-0.003	90	184166	20.0	18.2	
58 Carbon tetrachloride	117	7.219	7.219	0.000	94	136416	20.0	19.2	
57 1,1-Dichloropropene	75	7.229	7.225	0.004	95	135788	20.0	19.2	
59 Isobutyl alcohol	41	7.405	7.392	0.013	91	219810	500.0	398.5	
$ 60 1,2-Dichloroethane-d4 (Surr)	102	7.460	7.463	-0.003	80	61055	50.0	50.9	
61 Benzene	78	7.495	7.492	0.003	96	393082	20.0	19.4	
62 1,2-Dichloroethane	62	7.562	7.566	-0.004	98	124153	20.0	19.4	
64 Tert-amyl methyl ether	73	7.681	7.684	-0.003	99	288051	20.0	17.4	
* 65 Fluorobenzene (IS)	96	7.893	7.896	-0.003	99	957971	50.0	50.0	
66 n-Heptane	43	7.896	7.899	-0.003	57	100452	20.0	18.6	
67 n-Butanol	56	8.272	8.275	-0.003	90	343062	1000.0	835.5	
68 Trichloroethene	95	8.368	8.374	-0.006	99	102869	20.0	19.2	
69 Ethyl acrylate	55	8.487	8.490	-0.003	98	141231	20.0	16.9	
70 Methylcyclohexane	83	8.679	8.682	-0.003	90	174110	20.0	18.7	
72 2-ethoxy-2-methyl butane	87	8.711	8.711	0.000	94	136217	20.0	17.3	
71 1,2-Dichloropropane	63	8.708	8.714	-0.006	72	97628	20.0	19.1	
74 Methyl methacrylate	69	8.788	8.791	-0.003	91	84309	20.0	17.2	
75 1,4-Dioxane	88	8.830	8.791	0.039	54	51084	500.0	436.8	
73 Dibromomethane	93	8.820	8.820	0.000	97	65003	20.0	18.8	
77 Dichlorobromomethane	83	9.055	9.055	0.001	99	110014	20.0	18.6	
78 2-Nitropropane	41	9.331	9.334	-0.003	98	38345	20.0	14.5	
79 2-Chloroethyl vinyl ether	63	9.408	9.411	-0.003	90	64799	20.0	17.9	
81 cis-1,3-Dichloropropene	75	9.584	9.590	-0.006	97	131067	20.0	16.6	
83 4-Methyl-2-pentanone (MIBK)	43	9.764	9.764	0.000	96	2109413	250.0	241.8	
$ 84 Toluene-d8 (Surr)	98	9.892	9.892	0.000	93	948156	50.0	51.0	
85 Toluene	92	9.960	9.966	-0.006	99	243393	20.0	19.7	
86 trans-1,3-Dichloropropene	75	10.216	10.216	0.000	92	120498	20.0	17.4	
87 Ethyl methacrylate	69	10.274	10.274	0.000	89	146064	20.0	17.6	
88 1,1,2-Trichloroethane	97	10.415	10.422	-0.007	90	85855	20.0	18.3	
90 Tetrachloroethene	166	10.502	10.502	0.000	97	101368	20.0	19.8	
91 1,3-Dichloropropane	76	10.579	10.582	-0.003	89	142112	20.0	18.5	
94 2-Hexanone	43	10.630	10.633	-0.003	95	1441744	250.0	240.1	
96 Chlorodibromomethane	129	10.791	10.791	0.000	90	89741	20.0	18.9	
98 Ethylene Dibromide	107	10.900	10.900	0.000	98	91357	20.0	18.0	
* 101 Chlorobenzene-d5 (IS)	117	11.327	11.326	0.001	84	703955	50.0	50.0	
103 1-Chlorohexane	91	11.333	11.333	0.000	96	127013	20.0	19.0	
102 Chlorobenzene	112	11.352	11.352	0.000	97	270964	20.0	19.4	
104 1,1,1,2-Tetrachloroethane	131	11.432	11.432	0.000	96	101906	20.0	19.4	
105 Ethylbenzene	91	11.436	11.436	0.000	98	490204	20.0	19.8	
106 m-Xylene & p-Xylene	106	11.548	11.551	-0.003	98	382611	40.0	39.0	
107 n-Butyl acrylate	55	11.824	11.824	0.000	97	214760	20.0	18.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
108 o-Xylene	106	11.878	11.878	0.000	96	201032	20.0	19.6	
109 Styrene	104	11.891	11.894	-0.003	94	303525	20.0	19.4	
110 Bromoform	173	12.049	12.048	0.001	97	65393	20.0	17.8	
111 Isopropylbenzene	105	12.174	12.177	-0.003	95	530782	20.0	22.8	
113 Cyclohexanone	55	12.257	12.257	0.000	91	169380	499.9	430.9	
$ 114 4-Bromofluorobenzene (Surr)	95	12.318	12.318	0.000	89	351615	50.0	50.3	
116 1,1,2,2-Tetrachloroethane	83	12.418	12.421	-0.003	95	171214	20.0	18.9	
115 Bromobenzene	156	12.437	12.437	0.000	95	117957	20.0	19.1	
119 trans-1,4-Dichloro-2-butene	53	12.446	12.446	0.000	91	182984	100.0	76.7	
118 1,2,3-Trichloropropane	110	12.469	12.469	0.000	85	53484	20.0	19.0	
120 N-Propylbenzene	91	12.501	12.501	0.000	98	586834	20.0	20.5	
121 2-Chlorotoluene	126	12.578	12.581	-0.003	97	125952	20.0	20.0	
122 1,3,5-Trimethylbenzene	105	12.636	12.636	0.000	94	425543	20.0	20.0	
123 4-Chlorotoluene	126	12.671	12.671	0.000	96	118390	20.0	19.7	
125 tert-Butylbenzene	134	12.880	12.880	0.000	93	79369	20.0	19.9	
127 1,2,4-Trimethylbenzene	105	12.921	12.921	0.000	97	436440	20.0	19.8	
128 sec-Butylbenzene	105	13.040	13.043	-0.003	95	515827	20.0	20.1	
131 1,3-Dichlorobenzene	146	13.140	13.143	-0.003	98	227758	20.0	19.8	
132 4-Isopropyltoluene	119	13.149	13.146	0.003	97	445689	20.0	19.7	
* 133 1,4-Dichlorobenzene-d4	152	13.197	13.197	0.000	95	397091	50.0	50.0	
134 1,4-Dichlorobenzene	146	13.213	13.213	0.000	95	232090	20.0	19.7	
148 1,2,3-Trimethylbenzene	105	13.226	13.226	0.000	98	450080	20.0	19.0	
170 Benzyl chloride	91	13.294	13.293	0.001	98	323338	20.0	18.4	
171 1,3-Diethylbenzene	119	13.348	13.348	0.000	95	267861	20.0	20.3	
172 p-Diethylbenzene	119	13.419	13.419	0.000	96	274862	20.0	19.9	
173 n-Butylbenzene	92	13.438	13.438	0.000	98	217984	20.0	20.4	
174 1,2-Dichlorobenzene	146	13.477	13.476	0.001	98	243954	20.0	19.9	
175 o-diethylbenzene	119	13.493	13.492	0.001	95	217817	20.0	19.4	
176 1,2-Dibromo-3-Chloropropane	75	14.019	14.015	0.004	86	48866	20.0	18.1	
177 1,3,5-Trichlorobenzene	180	14.141	14.141	0.000	98	174124	20.0	20.2	
179 1,2,4-Trichlorobenzene	180	14.564	14.564	0.000	95	174917	20.0	20.0	
181 2-Ethylhexyl acrylate	55	14.619	14.619	0.000	80	143283	20.0	17.6	
180 Hexachlorobutadiene	225	14.648	14.644	0.004	96	56567	20.0	19.6	
182 Naphthalene	128	14.747	14.750	-0.003	97	748129	20.0	20.1	
183 1,2,3-Trichlorobenzene	180	14.895	14.895	0.000	97	179265	20.0	19.8	
184 2-Methylnaphthalene	142	15.540	15.540	0.000	92	401359	20.0	22.4	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

MSV_LCS_ETOH_00009	Amount Added:	50.00	Units: uL	
MSV_LCS_CYC_00010	Amount Added:	50.00	Units: uL	
MSV_LCS_VOC#1_00187	Amount Added:	50.00	Units: uL	
MSV_LCS_Gases_00218	Amount Added:	50.00	Units: uL	
MSV_LCS_ACROL_00191	Amount Added:	50.00	Units: uL	
MSV_LCS_2CEVE_00192	Amount Added:	50.00	Units: uL	
MSV_Q_Acr_Std_00007	Amount Added:	2.00	Units: uL	
MSV_Cent_ISSS_00030	Amount Added:	5.00	Units: uL	Run Reagent

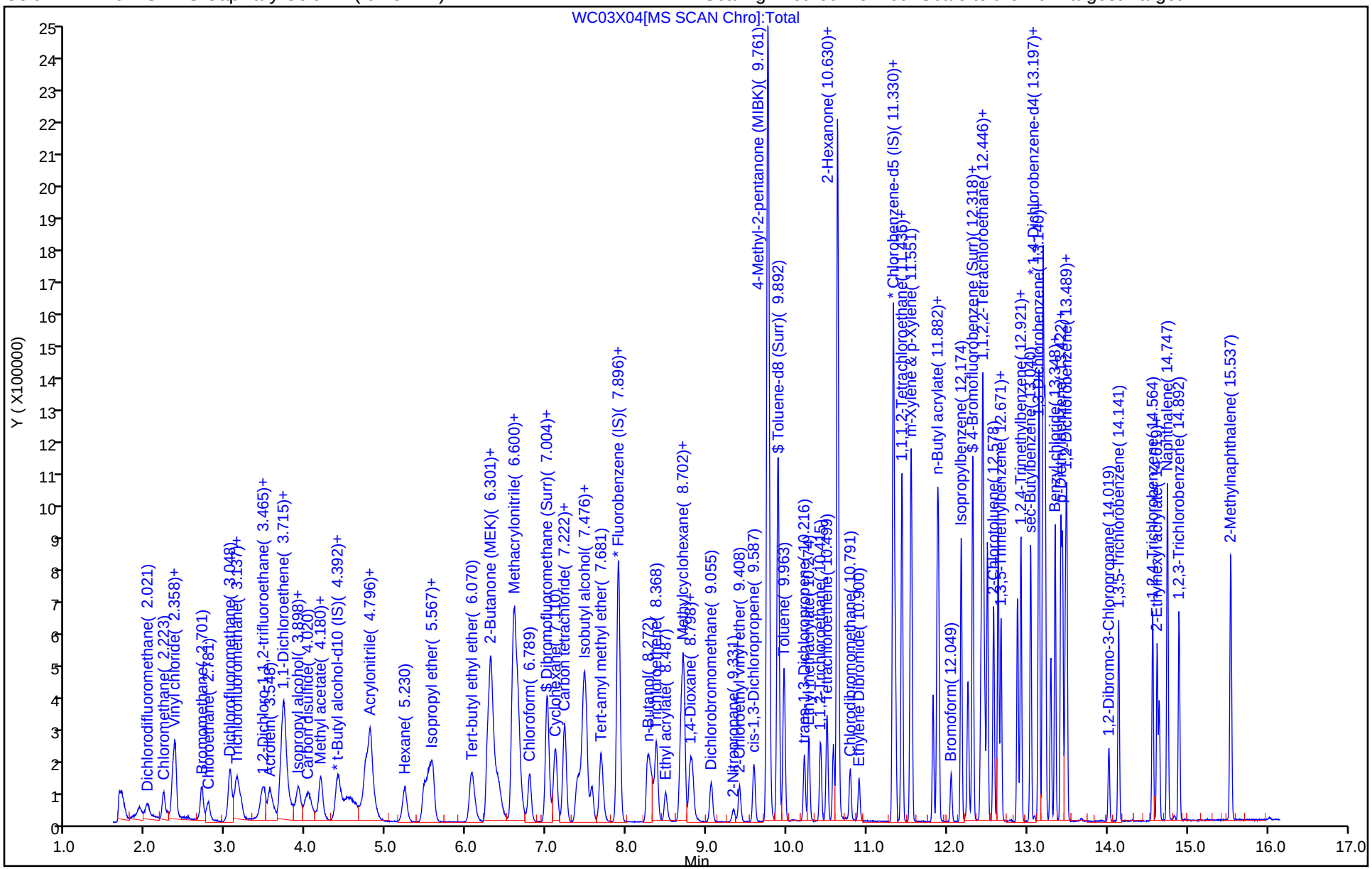
Report Date: 03-Oct-2024 15:43:47 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9137\20241003-126695.b\WC03X04.D

Injection Date:	03-Oct-2024 10:12:30	Instrument ID:	9137	Operator ID:	knk41612
Lims ID:	LCS			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	MSVoa_9137	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\9137\20241003-126695.b\WC03X04.D				
Lims ID:	LCS				
Client ID:					
Sample Type:	LCS				
Inject. Date:	03-Oct-2024 10:12:30	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0126695-005				
Misc. Info.:	LCS				
Operator ID:	knk41612	Instrument ID:	9137		
Method:	\\chromfs\Lancaster\ChromData\9137\20241003-126695.b\MSVoa_9137.m				
Limit Group:	MSV - 8260C_D				
Last Update:	03-Oct-2024 15:43:42	Calib Date:	01-Oct-2024 00:40:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9137\20240930-126367.b\WS30X17.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1623				

First Level Reviewer: DVW2 Date: 03-Oct-2024 11:45:38

Compound	Amount Added	Amount Recovered	% Rec.
$ 54 Dibromofluoromethane (Surr)	50.0	52.6	105.22
$ 60 1,2-Dichloroethane-d4 (Surr)	50.0	50.9	101.71
$ 84 Toluene-d8 (Surr)	50.0	51.0	102.01
$ 114 4-Bromofluorobenzene (Surr)	50.0	50.3	100.64

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-190105-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-560477/8

Matrix: Water
Lab File ID: LC08X07.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 5(mL)
Date Analyzed: 10/08/2024 11:13

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 560477
Units: ug/L

Preparation Batch No.:
Instrument ID: 9915

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	18.0		1.0	0.30
71-55-6	1,1,1-Trichloroethane	16.2		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	20.5		1.0	0.30
79-00-5	1,1,2-Trichloroethane	19.7		1.0	0.30
75-34-3	1,1-Dichloroethane	19.0		1.0	0.30
75-35-4	1,1-Dichloroethene	16.7		1.0	0.30
106-93-4	1,2-Dibromoethane (EDB)	19.0		1.0	0.20
107-06-2	1,2-Dichloroethane	17.6		1.0	0.30
78-87-5	1,2-Dichloropropane	19.4		1.0	0.30
78-93-3	2-Butanone (MEK)	256		10	0.50
591-78-6	2-Hexanone	265		10	0.85
108-10-1	4-Methyl-2-pentanone (MIBK)	242		10	0.50
67-64-1	Acetone	226		20	0.70
71-43-2	Benzene	18.1		1.0	0.30
74-97-5	Bromochloromethane	17.8		5.0	0.20
75-27-4	Bromodichloromethane	17.9		1.0	0.20
75-25-2	Bromoform	19.1		4.0	1.0
74-83-9	Bromomethane	17.2		1.0	0.30
75-15-0	Carbon disulfide	17.3		5.0	0.30
56-23-5	Carbon tetrachloride	16.8		1.0	0.30
108-90-7	Chlorobenzene	18.6		1.0	0.30
75-00-3	Chloroethane	19.4		1.0	0.30
67-66-3	Chloroform	16.7		1.0	0.30
74-87-3	Chloromethane	19.9		2.0	0.55
156-59-2	cis-1,2-Dichloroethene	17.8		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	16.4		1.0	0.20
124-48-1	Dibromochloromethane	19.6		1.0	0.20
100-41-4	Ethylbenzene	17.7		1.0	0.40
1634-04-4	Methyl tert-butyl ether	15.5		1.0	0.20
75-09-2	Methylene Chloride	16.7		1.0	0.30
100-42-5	Styrene	16.9		5.0	0.30
127-18-4	Tetrachloroethene	18.5		1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-190105-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-560477/8

Matrix: Water
Lab File ID: LC08X07.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 5(mL)
Date Analyzed: 10/08/2024 11:13

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 560477
Units: ug/L

Preparation Batch No.:
Instrument ID: 9915

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	18.7		1.0	0.30
156-60-5	trans-1,2-Dichloroethene	17.5		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	18.2		1.0	0.20
79-01-6	Trichloroethene	17.1		1.0	0.30
75-01-4	Vinyl chloride	18.5		1.0	0.30
1330-20-7	Xylenes, Total	52.8		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		80-120
460-00-4	4-Bromofluorobenzene (Surr)	92		80-120
1868-53-7	Dibromofluoromethane (Surr)	98		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\9915\20241008-127062.b\LC08X07.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 08-Oct-2024 11:13:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0127062-008
Operator ID: clm27445 Instrument ID: 9915

Method: \\chromfs\Lancaster\ChromData\9915\20241008-127062.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 08-Oct-2024 11:45:39 Calib Date: 15-Jul-2024 19:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20240715-119345.b\LL15X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1606

First Level Reviewer: TQ4J Date: 08-Oct-2024 11:45:39

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Dichlorodifluoromethane	85	1.939	1.933	0.006	99	191053	20.0	18.0	
5 Chloromethane	50	2.142	2.132	0.010	99	235394	20.0	19.9	
6 Butadiene	39	2.242	2.235	0.007	85	264037	20.0	23.3	
7 Vinyl chloride	62	2.251	2.245	0.006	98	214424	20.0	18.5	
9 Bromomethane	94	2.582	2.576	0.006	90	154496	20.0	17.2	
10 Chloroethane	64	2.644	2.637	0.007	99	117519	20.0	19.4	
11 Dichlorofluoromethane	67	2.898	2.878	0.020	96	293312	20.0	15.7	
12 Trichlorofluoromethane	101	2.962	2.956	0.006	95	215110	20.0	15.4	M
13 Pentane	43	2.962	2.956	0.006	97	166901	20.0	17.3	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	3.271	3.267	0.004	85	145660	20.0	16.9	
17 Acrolein	56	3.325	3.319	0.006	100	264517	150.3	151.9	
18 1,1-Dichloroethene	96	3.457	3.464	-0.007	97	106822	20.0	16.7	
19 Acetone	58	3.480	3.483	-0.003	100	185781	250.0	225.6	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.521	3.515	0.006	94	118182	20.0	16.1	
21 Isopropyl alcohol	45	3.647	3.644	0.003	47	73002	150.0	124.2	
22 Iodomethane	142	3.650	3.650	0.000	100	194554	20.0	14.5	
23 Carbon disulfide	76	3.763	3.753	0.009	99	403781	20.0	17.3	
25 Methyl acetate	43	3.904	3.888	0.016	96	106340	20.0	20.8	
26 3-Chloro-1-propene	41	3.917	3.920	-0.003	93	144932	20.0	16.3	
27 Methylene Chloride	84	4.110	4.097	0.013	93	129433	20.0	16.7	
* 28 t-Butyl alcohol-d10 (IS)	65	4.116	4.126	-0.010	95	303476	250.0	250.0	
29 2-Methyl-2-propanol	59	4.226	4.261	-0.035	96	221714	200.0	202.6	
30 Acrylonitrile	53	4.425	4.419	0.006	99	315852	100.0	107.6	
31 Methyl tert-butyl ether	73	4.499	4.499	0.000	90	361380	20.0	15.5	
32 trans-1,2-Dichloroethene	96	4.515	4.505	0.010	99	104447	20.0	17.5	
35 Hexane	57	4.952	4.949	0.003	95	125152	20.0	17.0	
36 1,1-Dichloroethane	63	5.177	5.177	0.000	96	184287	20.0	19.0	
38 Isopropyl ether	45	5.242	5.248	-0.006	94	332129	20.0	16.6	
39 2-Chloro-1,3-butadiene	53	5.290	5.290	0.000	90	127482	20.0	15.2	
40 Tert-butyl ethyl ether	59	5.788	5.782	0.006	98	330278	20.0	15.5	
41 2-Butanone (MEK)	43	5.988	5.988	0.000	100	974365	250.0	256.1	
42 cis-1,2-Dichloroethene	96	6.013	6.013	0.000	80	116888	20.0	17.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
43 2,2-Dichloropropane	77	6.026	6.033	-0.007	56	181792	20.0	16.5	
46 Propionitrile	54	6.074	6.074	0.000	99	200006	150.0	163.6	
48 Methacrylonitrile	67	6.287	6.290	-0.003	92	489021	150.0	158.0	
49 Chlorobromomethane	128	6.341	6.348	-0.007	88	61179	20.0	17.8	
50 Tetrahydrofuran	71	6.360	6.364	-0.004	92	109533	100.0	100.3	
51 Chloroform	83	6.499	6.502	-0.003	93	181650	20.0	16.7	
$ 52 Dibromofluoromethane (Surr)	113	6.714	6.711	0.003	93	299755	50.0	49.1	
53 1,1,1-Trichloroethane	97	6.737	6.734	0.003	98	180139	20.0	16.2	
54 Cyclohexane	56	6.846	6.846	0.000	91	195367	20.0	15.8	
56 1,1-Dichloropropene	75	6.949	6.949	0.000	96	133701	20.0	17.1	
55 Carbon tetrachloride	117	6.949	6.955	-0.006	78	148843	20.0	16.8	
57 Isobutyl alcohol	41	7.103	7.110	-0.007	94	173584	500.0	448.5	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	7.171	7.174	-0.003	88	75341	50.0	51.1	
59 Benzene	78	7.213	7.213	0.000	95	437471	20.0	18.1	
60 1,2-Dichloroethane	62	7.274	7.274	0.000	97	143968	20.0	17.6	
62 Tert-amyl methyl ether	73	7.409	7.412	-0.003	99	311877	20.0	15.0	
* 63 Fluorobenzene (IS)	96	7.621	7.621	0.000	99	1216648	50.0	50.0	
64 n-Heptane	43	7.643	7.647	-0.004	94	144871	20.0	18.5	
66 n-Butanol	56	8.003	8.010	-0.007	89	261618	1000.0	998.2	
67 Trichloroethene	95	8.100	8.103	-0.003	98	107083	20.0	17.1	
69 Methylcyclohexane	83	8.421	8.415	0.006	89	188785	20.0	15.4	
70 1,2-Dichloropropane	63	8.428	8.434	-0.006	88	115937	20.0	19.4	
71 2-ethoxy-2-methyl butane	87	8.450	8.447	0.003	91	140890	20.0	14.3	
72 Methyl methacrylate	69	8.521	8.524	-0.003	91	80973	20.0	16.0	
73 1,4-Dioxane	88	8.531	8.531	0.000	44	41171	500.0	495.7	
74 Dibromomethane	93	8.544	8.541	0.003	97	75622	20.0	17.3	
76 Dichlorobromomethane	83	8.782	8.782	0.000	99	135421	20.0	17.9	
77 2-Nitropropane	41	9.048	9.049	-0.001	98	31731	20.0	15.0	
78 2-Chloroethyl vinyl ether	63	9.155	9.155	0.000	91	61264	20.0	27.4	
79 cis-1,3-Dichloropropene	75	9.338	9.335	0.003	96	153759	20.0	16.4	
80 4-Methyl-2-pentanone (MIBK)	43	9.511	9.515	-0.004	97	2165855	250.0	241.7	
$ 82 Toluene-d8 (Surr)	98	9.653	9.653	0.000	93	1198422	50.0	52.7	
90 Toluene	92	9.730	9.730	0.000	98	265198	20.0	18.7	
95 trans-1,3-Dichloropropene	75	9.991	9.987	0.004	93	142643	20.0	18.2	
114 Ethyl methacrylate	69	10.058	10.058	0.000	91	143328	20.0	16.2	
117 1,1,2-Trichloroethane	97	10.196	10.190	0.006	89	103072	20.0	19.7	
118 Tetrachloroethene	166	10.293	10.290	0.003	98	110471	20.0	18.5	
119 1,3-Dichloropropane	76	10.357	10.357	0.000	90	165210	20.0	19.8	
121 2-Hexanone	43	10.415	10.415	0.000	97	1418025	250.0	265.1	
123 Chlorodibromomethane	129	10.573	10.573	0.000	90	108980	20.0	19.6	
124 Ethylene Dibromide	107	10.682	10.685	-0.003	97	107074	20.0	19.0	
* 125 Chlorobenzene-d5 (IS)	117	11.126	11.122	0.004	85	898188	50.0	50.0	
127 1-Chlorohexane	91	11.135	11.135	0.000	97	121795	20.0	15.5	
128 Chlorobenzene	112	11.148	11.151	-0.003	97	292510	20.0	18.6	
131 1,1,1,2-Tetrachloroethane	131	11.232	11.232	0.000	95	115547	20.0	18.0	
132 Ethylbenzene	91	11.241	11.238	0.003	98	511307	20.0	17.7	
134 m-Xylene & p-Xylene	106	11.354	11.354	0.000	99	400873	40.0	35.5	
136 o-Xylene	106	11.685	11.685	0.000	96	210861	20.0	17.3	
137 Styrene	104	11.701	11.701	0.000	95	311456	20.0	16.9	
138 Bromoform	173	11.855	11.852	0.003	95	78029	20.0	19.1	
139 Isopropylbenzene	105	11.987	11.987	0.000	95	576861	20.0	18.8	
$ 142 4-Bromofluorobenzene (Surr)	95	12.129	12.129	0.000	90	411739	50.0	45.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
145 1,1,2,2-Tetrachloroethane	83	12.232	12.229	0.004	93	186252	20.0	20.5	
146 Bromobenzene	156	12.248	12.245	0.003	94	125083	20.0	18.1	
147 trans-1,4-Dichloro-2-butene	53	12.254	12.254	0.000	95	139447	100.0	59.7	
148 1,2,3-Trichloropropane	110	12.273	12.274	-0.001	84	53159	20.0	19.6	
149 N-Propylbenzene	91	12.318	12.315	0.003	99	639249	20.0	18.9	
150 2-Chlorotoluene	126	12.392	12.389	0.003	97	134234	20.0	19.0	
151 1,3,5-Trimethylbenzene	105	12.453	12.454	-0.001	94	489406	20.0	18.3	
152 4-Chlorotoluene	126	12.486	12.486	0.000	97	123311	20.0	18.2	
154 tert-Butylbenzene	134	12.695	12.695	0.000	93	96238	20.0	19.6	
156 1,2,4-Trimethylbenzene	105	12.740	12.737	0.003	97	485303	20.0	17.9	
157 sec-Butylbenzene	105	12.862	12.859	0.003	94	646386	20.0	19.2	
158 1,3-Dichlorobenzene	146	12.958	12.955	0.003	98	261816	20.0	19.1	
159 4-Isopropyltoluene	119	12.968	12.965	0.003	97	540409	20.0	18.2	
* 161 1,4-Dichlorobenzene-d4	152	13.013	13.010	0.003	95	497242	50.0	50.0	
162 1,4-Dichlorobenzene	146	13.029	13.029	0.000	96	268070	20.0	19.2	
163 1,2,3-Trimethylbenzene	105	13.042	13.042	0.000	98	528481	20.0	18.1	
164 Benzyl chloride	91	13.106	13.106	0.000	98	330244	20.0	18.6	
165 1,3-Diethylbenzene	119	13.167	13.167	0.000	95	308768	20.0	17.8	
166 p-Diethylbenzene	119	13.238	13.238	0.000	93	319867	20.0	17.6	
167 n-Butylbenzene	92	13.257	13.257	0.000	97	272307	20.0	18.8	
168 1,2-Dichlorobenzene	146	13.289	13.290	-0.001	98	277800	20.0	19.0	
169 o-diethylbenzene	119	13.312	13.312	0.000	96	265146	20.0	18.2	
171 1,2-Dibromo-3-Chloropropane	75	13.830	13.827	0.004	86	41205	20.0	17.4	
172 1,3,5-Trichlorobenzene	180	13.961	13.958	0.003	93	223057	20.0	18.9	
173 1,2,4-Trichlorobenzene	180	14.383	14.380	0.003	94	229244	20.0	19.2	
175 Hexachlorobutadiene	225	14.466	14.466	0.000	98	80902	20.0	18.5	
176 Naphthalene	128	14.563	14.560	0.003	96	678273	20.0	16.4	
177 1,2,3-Trichlorobenzene	180	14.704	14.704	0.000	96	214533	20.0	17.2	
178 2-Methylnaphthalene	142	15.322	15.322	0.000	92	197968	20.0	8.14	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_LCS_VOC#1_00188	Amount Added: 50.00	Units: uL	
MSV_LCS_2CEVE_00193	Amount Added: 50.00	Units: uL	
MSV_LCS_ACROL_00192	Amount Added: 50.00	Units: uL	
MSV_LCS_Gases_00219	Amount Added: 50.00	Units: uL	
MSV_HP23_ISSS_00014	Amount Added: 1.00	Units: uL	Run Reagent

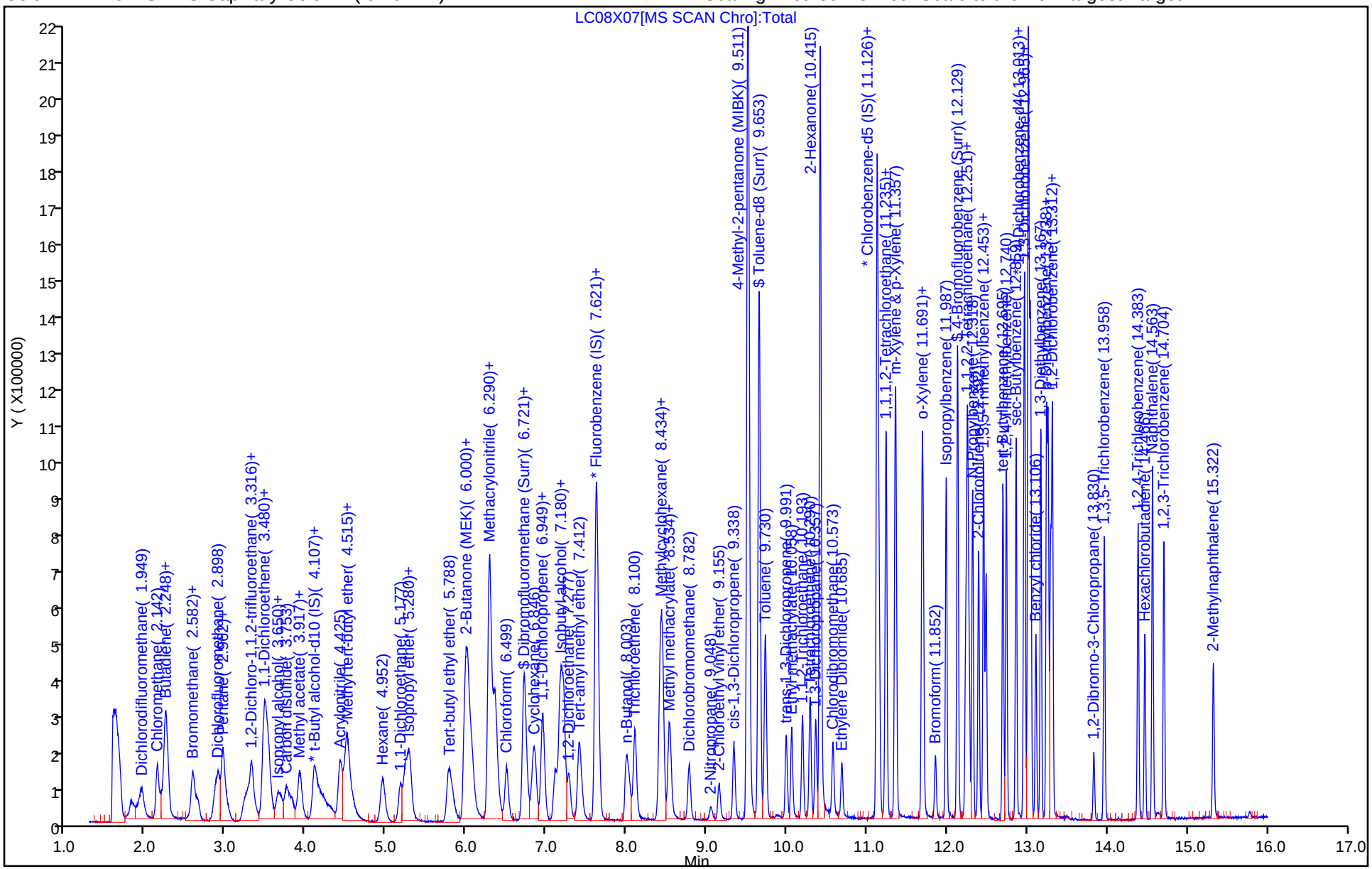
Report Date: 08-Oct-2024 11:47:31 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9915\20241008-127062.b\LC08X07.D

Injection Date:	08-Oct-2024 11:13:30	Instrument ID:	9915	Operator ID:	clm27445
Lims ID:	LCS			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	MSVoa_9915a	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\9915\20241008-127062.b\LC08X07.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 08-Oct-2024 11:13:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0127062-008
Operator ID: clm27445 Instrument ID: 9915

Method: \\chromfs\Lancaster\ChromData\9915\20241008-127062.b\MSVoa_9915a.m
Limit Group: MSV - 8260C_D
Last Update: 08-Oct-2024 11:45:39 Calib Date: 15-Jul-2024 19:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9915\20240715-119345.b\LL15X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1606

First Level Reviewer: TQ4J Date: 08-Oct-2024 11:45:39

Compound	Amount Added	Amount Recovered	% Rec.
$ 52 Dibromofluoromethane (Surr)	50.0	49.1	98.25
$ 58 1,2-Dichloroethane-d4 (Surr)	50.0	51.1	102.18
$ 82 Toluene-d8 (Surr)	50.0	52.7	105.34
$ 142 4-Bromofluorobenzene (Surr)	50.0	45.8	91.59

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-190105-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCSD 410-558100/5

Matrix: Water
Lab File ID: 4C01X34.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 5(mL)
Date Analyzed: 10/01/2024 22:13

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 558100
Units: ug/L

Preparation Batch No.:
Instrument ID: 23297

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	17.7		1.0	0.30
71-55-6	1,1,1-Trichloroethane	17.1		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	19.0		1.0	0.30
79-00-5	1,1,2-Trichloroethane	18.2		1.0	0.30
75-34-3	1,1-Dichloroethane	18.9		1.0	0.30
75-35-4	1,1-Dichloroethene	18.8		1.0	0.30
106-93-4	1,2-Dibromoethane (EDB)	18.0		1.0	0.20
107-06-2	1,2-Dichloroethane	17.7		1.0	0.30
78-87-5	1,2-Dichloropropane	18.3		1.0	0.30
78-93-3	2-Butanone (MEK)	235		10	0.50
591-78-6	2-Hexanone	236		10	0.85
108-10-1	4-Methyl-2-pentanone (MIBK)	230		10	0.50
67-64-1	Acetone	241		20	0.70
71-43-2	Benzene	18.0		1.0	0.30
74-97-5	Bromochloromethane	18.0		5.0	0.20
75-27-4	Bromodichloromethane	16.9		1.0	0.20
75-25-2	Bromoform	15.4		4.0	1.0
74-83-9	Bromomethane	16.4		1.0	0.30
75-15-0	Carbon disulfide	15.8		5.0	0.30
56-23-5	Carbon tetrachloride	17.1		1.0	0.30
108-90-7	Chlorobenzene	17.7		1.0	0.30
75-00-3	Chloroethane	17.7		1.0	0.30
67-66-3	Chloroform	17.6		1.0	0.30
74-87-3	Chloromethane	15.9		2.0	0.55
156-59-2	cis-1,2-Dichloroethene	17.8		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	16.3		1.0	0.20
124-48-1	Dibromochloromethane	16.8		1.0	0.20
100-41-4	Ethylbenzene	17.6		1.0	0.40
1634-04-4	Methyl tert-butyl ether	18.0		1.0	0.20
75-09-2	Methylene Chloride	18.7		1.0	0.30
100-42-5	Styrene	17.6		5.0	0.30
127-18-4	Tetrachloroethene	17.5		1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-190105-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCSD 410-558100/5

Matrix: Water
Lab File ID: 4C01X34.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 5(mL)
Date Analyzed: 10/01/2024 22:13

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 558100
Units: ug/L

Preparation Batch No.:
Instrument ID: 23297

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	18.4		1.0	0.30
156-60-5	trans-1,2-Dichloroethene	18.6		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	16.7		1.0	0.20
79-01-6	Trichloroethene	17.8		1.0	0.30
75-01-4	Vinyl chloride	16.2		1.0	0.30
1330-20-7	Xylenes, Total	53.2		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		80-120
460-00-4	4-Bromofluorobenzene (Surr)	97		80-120
1868-53-7	Dibromofluoromethane (Surr)	98		80-120
2037-26-5	Toluene-d8 (Surr)	102		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\23297\20241001-126519.b\4C01X34.D
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 01-Oct-2024 22:13:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0126519-005
Misc. Info.: LCSD
Operator ID: AGD105956 Instrument ID: 23297

Method: \\chromfs\Lancaster\ChromData\23297\20241001-126519.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 01-Oct-2024 23:26:10 Calib Date: 17-Sep-2024 18:24:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20240917-125144.b\4S17X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1626

First Level Reviewer: Z6YX Date: 01-Oct-2024 22:58:24

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.794	1.788	0.006	99	66391	20.0	12.4	
4 Chloromethane	50	1.971	1.958	0.013	99	87246	20.0	15.9	
5 Vinyl chloride	62	2.074	2.062	0.012	97	83206	20.0	16.2	
6 Butadiene	39	2.074	2.074	0.000	93	146663	20.0	25.5	
8 Bromomethane	94	2.378	2.372	0.006	90	66604	20.0	16.4	
9 Chloroethane	64	2.445	2.445	0.000	99	48433	20.0	17.7	
10 Dichlorofluoromethane	67	2.670	2.664	0.006	97	126342	20.0	15.5	
11 Trichlorofluoromethane	101	2.731	2.725	0.006	96	91649	20.0	14.3	
12 Pentane	43	2.761	2.743	0.018	97	70608	20.0	11.9	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.029	3.017	0.012	91	68949	20.0	17.3	
16 Acrolein	56	3.084	3.078	0.006	99	189449	150.3	171.6	
18 1,1-Dichloroethene	96	3.230	3.218	0.012	47	56535	20.0	18.8	
17 Acetone	58	3.242	3.224	0.018	100	152035	250.0	240.8	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.254	3.260	-0.006	89	51600	20.0	14.2	
20 Isopropyl alcohol	45	3.418	3.400	0.018	95	97253	150.0	144.8	
21 Iodomethane	142	3.418	3.400	0.018	98	108743	20.0	15.8	
22 Carbon disulfide	76	3.516	3.504	0.012	99	181217	20.0	15.8	
24 Methyl acetate	43	3.619	3.607	0.012	97	87850	20.0	22.1	
25 3-Chloro-1-propene	41	3.644	3.631	0.013	91	82051	20.0	16.0	
27 Methylene Chloride	84	3.820	3.820	0.000	92	66964	20.0	18.7	
* 28 t-Butyl alcohol-d10 (IS)	65	3.863	3.856	0.007	94	267740	250.0	250.0	
29 2-Methyl-2-propanol	59	3.966	3.960	0.006	99	213925	200.0	193.1	
30 Acrylonitrile	53	4.112	4.100	0.012	99	211967	100.0	99.9	
31 Methyl tert-butyl ether	73	4.185	4.179	0.006	94	186480	20.0	18.0	
32 trans-1,2-Dichloroethene	96	4.191	4.179	0.012	99	58386	20.0	18.6	
34 Hexane	57	4.623	4.605	0.018	93	56846	20.0	13.5	
36 1,1-Dichloroethane	63	4.848	4.842	0.006	96	99008	20.0	18.9	
37 Isopropyl ether	45	4.921	4.915	0.006	97	173084	20.0	17.6	
38 2-Chloro-1,3-butadiene	53	4.964	4.952	0.012	90	74047	20.0	15.9	
39 Tert-butyl ethyl ether	59	5.463	5.456	0.007	97	177435	20.0	17.8	
40 2-Butanone (MEK)	43	5.669	5.663	0.006	100	779474	250.0	234.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
41 cis-1,2-Dichloroethene	96	5.694	5.688	0.006	81	65817	20.0	17.8	
42 2,2-Dichloropropane	77	5.712	5.706	0.006	91	89689	20.0	16.5	
44 Propionitrile	54	5.761	5.748	0.013	99	151212	150.0	149.9	
46 Methacrylonitrile	67	5.974	5.974	0.000	93	312837	150.0	143.5	
47 Chlorobromomethane	128	6.034	6.022	0.012	87	36285	20.0	18.0	
48 Tetrahydrofuran	71	6.047	6.040	0.007	90	86910	100.0	88.5	
50 Chloroform	83	6.193	6.180	0.013	94	100439	20.0	17.6	
$ 51 Dibromofluoromethane (Surr)	113	6.405	6.405	0.000	93	158309	50.0	49.0	
52 1,1,1-Trichloroethane	97	6.418	6.412	0.006	97	93081	20.0	17.1	
53 Cyclohexane	56	6.521	6.509	0.012	90	86651	20.0	14.9	
54 Carbon tetrachloride	117	6.631	6.631	0.000	96	80308	20.0	17.1	
55 1,1-Dichloropropene	75	6.637	6.631	0.006	94	73335	20.0	17.0	
56 Isobutyl alcohol	41	6.819	6.813	0.006	95	165413	500.0	424.9	
$ 57 1,2-Dichloroethane-d4 (Surr)	102	6.868	6.862	0.006	100	37920	50.0	49.4	
58 Benzene	78	6.904	6.898	0.006	97	230649	20.0	18.0	
59 1,2-Dichloroethane	62	6.971	6.971	0.000	97	78460	20.0	17.7	
61 Tert-amyl methyl ether	73	7.105	7.099	0.006	99	176543	20.0	18.0	
* 62 Fluorobenzene (IS)	96	7.318	7.312	0.006	99	611731	50.0	50.0	
63 n-Heptane	43	7.342	7.336	0.006	93	62875	20.0	14.1	
64 n-Butanol	56	7.713	7.713	0.000	91	239797	1000.0	858.8	
65 Trichloroethene	95	7.799	7.799	0.000	97	60657	20.0	17.8	
68 Methylcyclohexane	83	8.115	8.109	0.006	90	89610	20.0	14.5	
69 1,2-Dichloropropane	63	8.133	8.127	0.006	97	59100	20.0	18.3	
70 2-ethoxy-2-methyl butane	87	8.158	8.151	0.007	92	85471	20.0	17.6	
71 1,4-Dioxane	88	8.237	8.231	0.006	37	33133	500.0	409.0	M
72 Methyl methacrylate	69	8.237	8.231	0.006	93	54821	20.0	17.8	
73 Dibromomethane	93	8.249	8.243	0.006	93	42228	20.0	17.8	
75 Dichlorobromomethane	83	8.486	8.486	0.000	99	71564	20.0	16.9	
76 2-Nitropropane	41	8.766	8.760	0.006	99	24413	20.0	13.5	
77 2-Chloroethyl vinyl ether	63	8.869	8.863	0.006	92	42608	20.0	25.3	
78 cis-1,3-Dichloropropene	75	9.058	9.052	0.006	97	85465	20.0	16.3	
79 4-Methyl-2-pentanone (MIBK)	43	9.247	9.240	0.006	97	1477269	250.0	230.3	
$ 80 Toluene-d8 (Surr)	98	9.386	9.380	0.006	93	618226	50.0	51.2	
81 Toluene	92	9.466	9.466	0.000	98	145536	20.0	18.4	
82 trans-1,3-Dichloropropene	75	9.745	9.739	0.006	92	78776	20.0	16.7	
83 Ethyl methacrylate	69	9.818	9.818	0.000	90	90126	20.0	16.8	
101 1,1,2-Trichloroethane	97	9.958	9.952	0.006	90	57309	20.0	18.2	
117 Tetrachloroethene	166	10.050	10.043	0.007	96	65128	20.0	17.5	
121 1,3-Dichloropropane	76	10.123	10.123	0.000	91	89848	20.0	18.4	
123 2-Hexanone	43	10.183	10.183	0.000	96	1090420	250.0	236.4	
126 Chlorodibromomethane	129	10.342	10.342	0.000	89	62395	20.0	16.8	
127 Ethylene Dibromide	107	10.457	10.451	0.006	98	61868	20.0	18.0	
* 129 Chlorobenzene-d5 (IS)	117	10.907	10.901	0.006	85	470368	50.0	50.0	
130 1-Chlorohexane	91	10.926	10.919	0.007	98	69471	20.0	15.9	
131 Chlorobenzene	112	10.932	10.932	0.000	98	167015	20.0	17.7	
132 1,1,1,2-Tetrachloroethane	131	11.017	11.017	0.000	95	66415	20.0	17.7	
133 Ethylbenzene	91	11.023	11.023	0.000	98	282172	20.0	17.6	
134 m-Xylene & p-Xylene	106	11.145	11.145	0.000	100	227455	40.0	35.4	
136 o-Xylene	106	11.479	11.479	0.000	96	120610	20.0	17.7	
138 Styrene	104	11.497	11.491	0.006	94	183349	20.0	17.6	
139 Bromoform	173	11.650	11.650	0.000	98	47061	20.0	15.4	
140 Isopropylbenzene	105	11.783	11.783	0.000	95	316834	20.0	20.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 143 4-Bromofluorobenzene (Surr)	95	11.929	11.929	0.000	93	221037	50.0	48.4	
144 1,1,2,2-Tetrachloroethane	83	12.033	12.033	0.000	94	109933	20.0	19.0	
145 Bromobenzene	156	12.045	12.045	0.000	90	76434	20.0	17.8	
146 trans-1,4-Dichloro-2-butene	53	12.063	12.057	0.006	90	78266	100.0	49.5	
147 1,2,3-Trichloropropane	110	12.081	12.075	0.006	83	32567	20.0	18.4	
148 N-Propylbenzene	91	12.118	12.118	0.000	99	351094	20.0	18.6	
149 2-Chlorotoluene	126	12.191	12.191	0.000	98	76798	20.0	18.3	
150 1,3,5-Trimethylbenzene	105	12.258	12.258	0.000	94	269260	20.0	18.6	
151 4-Chlorotoluene	126	12.288	12.288	0.000	96	73657	20.0	17.8	
154 tert-Butylbenzene	134	12.501	12.501	0.000	91	50885	20.0	17.9	
156 1,2,4-Trimethylbenzene	105	12.544	12.544	0.000	96	275759	20.0	18.3	M
157 sec-Butylbenzene	105	12.665	12.665	0.000	93	340849	20.0	18.3	
158 1,3-Dichlorobenzene	146	12.763	12.763	0.000	98	152286	20.0	17.7	
159 4-Isopropyltoluene	119	12.781	12.781	0.000	97	300793	20.0	18.0	
* 160 1,4-Dichlorobenzene-d4	152	12.818	12.818	0.000	94	282326	50.0	50.0	
161 1,4-Dichlorobenzene	146	12.836	12.836	0.000	96	157846	20.0	18.0	
163 1,2,3-Trimethylbenzene	105	12.854	12.854	0.000	98	284059	20.0	17.7	
164 Benzyl chloride	91	12.915	12.915	0.000	98	202340	20.0	16.9	
165 1,3-Diethylbenzene	119	12.982	12.982	0.000	96	178869	20.0	18.3	
166 p-Diethylbenzene	119	13.055	13.055	0.000	94	188192	20.0	17.8	
167 n-Butylbenzene	92	13.073	13.073	0.000	97	144125	20.0	17.8	
168 1,2-Dichlorobenzene	146	13.097	13.097	0.000	99	163331	20.0	18.3	
169 o-diethylbenzene	119	13.128	13.128	0.000	93	149556	20.0	17.8	
171 1,2-Dibromo-3-Chloropropane	75	13.645	13.639	0.006	90	29905	20.0	17.4	
172 1,3,5-Trichlorobenzene	180	13.773	13.773	0.000	98	129135	20.0	18.0	
173 1,2,4-Trichlorobenzene	180	14.199	14.199	0.000	94	130883	20.0	19.2	
175 Hexachlorobutadiene	225	14.284	14.284	0.000	97	48840	20.0	17.6	
176 Naphthalene	128	14.375	14.375	0.000	96	469276	20.0	19.9	
177 1,2,3-Trichlorobenzene	180	14.521	14.521	0.000	96	128338	20.0	19.7	
178 2-Methylnaphthalene	142	15.117	15.117	0.000	92	253127	20.0	25.1	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_LCS_VOC#1_00187	Amount Added: 50.00	Units: uL	
MSV_LCS_2CEVE_00192	Amount Added: 50.00	Units: uL	
MSV_LCS_ACROL_00191	Amount Added: 50.00	Units: uL	
MSV_LCS_Gases_00218	Amount Added: 50.00	Units: uL	
MSV_HP04_ISSS_00003	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 01-Oct-2024 23:26:22 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20241001-126519.b\4C01X34.D

Injection Date: 01-Oct-2024 22:13:30 Instrument ID: 23297 Operator ID: AGD105956

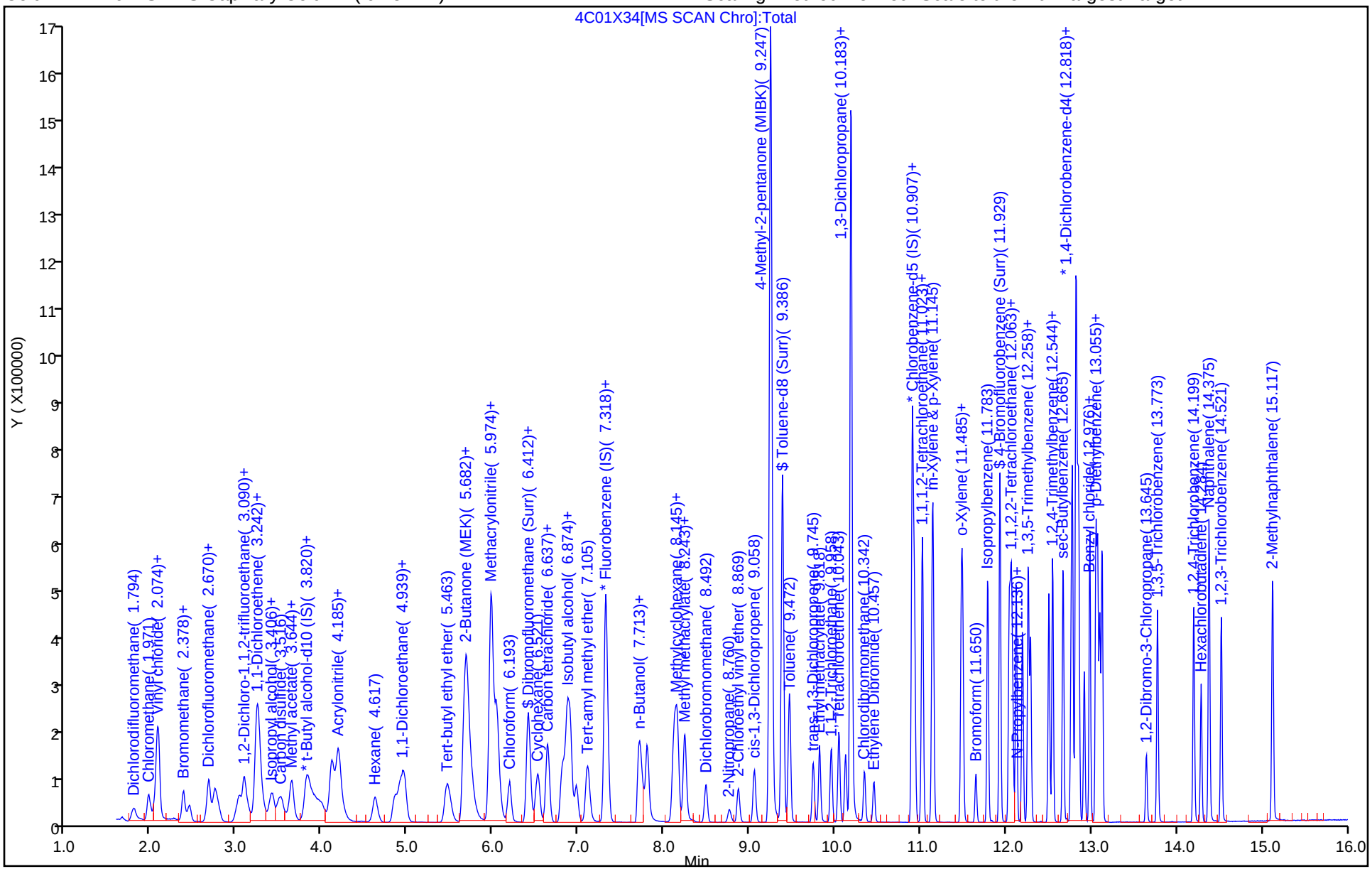
Lims ID: LCSD Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 4

Method: MSVoa_23297 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\23297\20241001-126519.b\4C01X34.D
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 01-Oct-2024 22:13:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0126519-005
Misc. Info.: LCSD
Operator ID: AGD105956 Instrument ID: 23297

Method: \\chromfs\Lancaster\ChromData\23297\20241001-126519.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 01-Oct-2024 23:26:10 Calib Date: 17-Sep-2024 18:24:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20240917-125144.b\4S17X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1626

First Level Reviewer: Z6YX Date: 01-Oct-2024 22:58:24

Compound	Amount Added	Amount Recovered	% Rec.
$ 51 Dibromofluoromethane (Surr)	50.0	49.0	98.00
$ 57 1,2-Dichloroethane-d4 (Surr)	50.0	49.4	98.87
$ 80 Toluene-d8 (Surr)	50.0	51.2	102.35
$ 143 4-Bromofluorobenzene (Surr)	50.0	48.4	96.78

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-190105-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCSD 410-558854/6

Matrix: Water
Lab File ID: WC03X05.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 5(mL)
Date Analyzed: 10/03/2024 10:34

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 558854
Units: ug/L

Preparation Batch No.:
Instrument ID: 9137

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	18.7		1.0	0.30
71-55-6	1,1,1-Trichloroethane	19.0		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	18.9		1.0	0.30
79-00-5	1,1,2-Trichloroethane	18.2		1.0	0.30
75-34-3	1,1-Dichloroethane	19.6		1.0	0.30
75-35-4	1,1-Dichloroethene	20.9		1.0	0.30
106-93-4	1,2-Dibromoethane (EDB)	18.3		1.0	0.20
107-06-2	1,2-Dichloroethane	18.6		1.0	0.30
78-87-5	1,2-Dichloropropane	19.0		1.0	0.30
78-93-3	2-Butanone (MEK)	223		10	0.50
591-78-6	2-Hexanone	234		10	0.85
108-10-1	4-Methyl-2-pentanone (MIBK)	237		10	0.50
67-64-1	Acetone	241		20	0.70
71-43-2	Benzene	18.7		1.0	0.30
74-97-5	Bromochloromethane	18.9		5.0	0.20
75-27-4	Bromodichloromethane	18.8		1.0	0.20
75-25-2	Bromoform	17.3		4.0	1.0
74-83-9	Bromomethane	14.1		1.0	0.30
75-15-0	Carbon disulfide	18.2		5.0	0.30
56-23-5	Carbon tetrachloride	18.7		1.0	0.30
108-90-7	Chlorobenzene	19.0		1.0	0.30
75-00-3	Chloroethane	15.7		1.0	0.30
67-66-3	Chloroform	19.2		1.0	0.30
74-87-3	Chloromethane	13.0		2.0	0.55
156-59-2	cis-1,2-Dichloroethene	19.1		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	17.0		1.0	0.20
124-48-1	Dibromochloromethane	17.8		1.0	0.20
100-41-4	Ethylbenzene	18.9		1.0	0.40
1634-04-4	Methyl tert-butyl ether	17.3		1.0	0.20
75-09-2	Methylene Chloride	19.2		1.0	0.30
100-42-5	Styrene	18.9		5.0	0.30
127-18-4	Tetrachloroethene	19.3		1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-190105-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCSD 410-558854/6

Matrix: Water
Lab File ID: WC03X05.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 5(mL)
Date Analyzed: 10/03/2024 10:34

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 558854
Units: ug/L

Preparation Batch No.:
Instrument ID: 9137

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	19.0		1.0	0.30
156-60-5	trans-1,2-Dichloroethene	19.8		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	17.4		1.0	0.20
79-01-6	Trichloroethene	18.5		1.0	0.30
75-01-4	Vinyl chloride	13.5		1.0	0.30
1330-20-7	Xylenes, Total	56.1		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		80-120
460-00-4	4-Bromofluorobenzene (Surr)	98		80-120
1868-53-7	Dibromofluoromethane (Surr)	100		80-120
2037-26-5	Toluene-d8 (Surr)	99		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9137\20241003-126695.b\WC03X05.D
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 03-Oct-2024 10:34:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0126695-006
Misc. Info.: LCSD
Operator ID: knk41612 Instrument ID: 9137

Method: \\chromfs\Lancaster\ChromData\9137\20241003-126695.b\MSVoa_9137.m
Limit Group: MSV - 8260C_D
Last Update: 03-Oct-2024 15:43:42 Calib Date: 01-Oct-2024 00:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9137\20240930-126367.b\WS30X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1623

First Level Reviewer: DVW2 Date: 03-Oct-2024 11:47:56

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
6 Dichlorodifluoromethane	85	2.001	2.014	-0.013	99	117822	20.0	11.2	
7 Chloromethane	50	2.207	2.220	-0.013	100	131761	20.0	13.0	
8 Vinyl chloride	62	2.319	2.341	-0.022	98	135446	20.0	13.5	
9 Butadiene	39	2.348	2.361	-0.013	92	155275	20.0	15.2	
11 Bromomethane	94	2.685	2.698	-0.013	89	101463	20.0	14.1	
12 Chloroethane	64	2.765	2.781	-0.016	99	79499	20.0	15.7	
13 Dichlorofluoromethane	67	3.031	3.051	-0.020	98	224426	20.0	14.8	
14 Trichlorofluoromethane	101	3.105	3.108	-0.003	95	171224	20.0	14.1	
15 Pentane	43	3.131	3.144	-0.013	95	146636	20.0	17.1	
17 Ethanol	45	3.202	3.221	-0.019	24	73441	999.9	997.7	M
18 1,2-Dichloro-1,1,2-trifluoroetha	67	3.455	3.471	-0.016	92	123856	20.0	16.8	
19 Acrolein	56	3.532	3.545	-0.013	100	230879	150.3	153.2	
21 1,1-Dichloroethene	96	3.680	3.699	-0.019	97	102354	20.0	20.9	
22 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.705	3.721	-0.016	72	105520	20.0	17.6	
20 Acetone	58	3.699	3.725	-0.025	100	217436	250.0	240.6	
23 Isopropyl alcohol	45	3.872	3.901	-0.029	94	128221	150.0	138.5	
25 Iodomethane	142	3.888	3.904	-0.016	97	172146	20.0	17.4	
26 Carbon disulfide	76	4.023	4.020	0.003	99	310037	20.0	18.2	
28 Methyl acetate	43	4.142	4.155	-0.012	97	126278	20.0	20.1	
27 3-Chloro-1-propene	41	4.167	4.187	-0.020	92	120497	20.0	16.9	
30 Methylene Chloride	84	4.379	4.398	-0.019	91	108244	20.0	19.2	
* 32 t-Butyl alcohol-d10 (IS)	65	4.398	4.434	-0.036	40	296451	250.0	250.0	
33 2-Methyl-2-propanol	59	4.514	4.559	-0.045	97	215452	200.0	164.2	
34 Acrylonitrile	53	4.729	4.739	-0.010	100	288205	100.0	86.9	
36 Methyl tert-butyl ether	73	4.793	4.799	-0.006	90	299017	20.0	17.3	
35 trans-1,2-Dichloroethene	96	4.780	4.803	-0.023	99	92562	20.0	19.8	
37 Hexane	57	5.217	5.226	-0.009	91	104045	20.0	17.6	
38 1,1-Dichloroethane	63	5.457	5.470	-0.013	97	156050	20.0	19.6	
40 Isopropyl ether	45	5.522	5.531	-0.009	93	266519	20.0	17.2	
41 2-Chloro-1,3-butadiene	53	5.566	5.579	-0.013	91	123966	20.0	17.3	
42 Tert-butyl ethyl ether	59	6.057	6.067	-0.010	97	282217	20.0	17.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
44 2-Butanone (MEK)	43	6.269	6.285	-0.016	99	996379	250.0	223.4	
43 cis-1,2-Dichloroethene	96	6.295	6.304	-0.009	81	102088	20.0	19.1	
45 2,2-Dichloropropane	77	6.321	6.327	-0.006	86	159241	20.0	18.4	
47 Propionitrile	54	6.375	6.388	-0.013	95	205342	150.0	139.1	
48 Methyl acrylate	55	6.398	6.410	-0.012	98	149190	20.0	19.0	
49 Methacrylonitrile	67	6.584	6.596	-0.012	92	445434	150.0	136.7	
50 Chlorobromomethane	128	6.625	6.635	-0.010	91	52490	20.0	18.9	
51 Tetrahydrofuran	71	6.638	6.648	-0.010	94	115614	100.0	89.7	
52 Chloroform	83	6.779	6.786	-0.007	94	150532	20.0	19.2	
$ 54 Dibromofluoromethane (Surr)	113	6.991	7.004	-0.013	93	226019	50.0	50.2	
55 1,1,1-Trichloroethane	97	7.010	7.017	-0.007	96	158194	20.0	19.0	
56 Cyclohexane	56	7.100	7.110	-0.010	89	177068	20.0	17.9	
58 Carbon tetrachloride	117	7.219	7.219	0.000	92	129892	20.0	18.7	
57 1,1-Dichloropropene	75	7.222	7.225	-0.003	96	128992	20.0	18.7	
59 Isobutyl alcohol	41	7.383	7.392	-0.009	95	178763	500.0	408.8	
$ 60 1,2-Dichloroethane-d4 (Surr)	102	7.457	7.463	-0.006	76	57617	50.0	49.1	
61 Benzene	78	7.479	7.492	-0.013	96	369765	20.0	18.7	
62 1,2-Dichloroethane	62	7.562	7.566	-0.004	97	115848	20.0	18.6	
64 Tert-amyl methyl ether	73	7.678	7.684	-0.006	98	279880	20.0	17.3	
* 65 Fluorobenzene (IS)	96	7.887	7.896	-0.009	99	936804	50.0	50.0	
66 n-Heptane	43	7.899	7.899	0.000	44	98054	20.0	18.6	
67 n-Butanol	56	8.262	8.275	-0.013	89	287063	1000.0	881.9	
68 Trichloroethene	95	8.361	8.374	-0.013	99	97110	20.0	18.5	
69 Ethyl acrylate	55	8.483	8.490	-0.007	98	139453	20.0	17.1	
70 Methylcyclohexane	83	8.669	8.682	-0.013	90	162839	20.0	17.8	
72 2-ethoxy-2-methyl butane	87	8.702	8.711	-0.009	92	134536	20.0	17.5	
71 1,2-Dichloropropane	63	8.702	8.714	-0.012	73	95201	20.0	19.0	
74 Methyl methacrylate	69	8.779	8.791	-0.012	91	83598	20.0	17.4	
75 1,4-Dioxane	88	8.788	8.791	-0.003	41	41403	500.0	446.6	
73 Dibromomethane	93	8.811	8.820	-0.009	97	62348	20.0	18.4	
77 Dichlorobromomethane	83	9.048	9.055	-0.006	99	108507	20.0	18.8	
78 2-Nitropropane	41	9.327	9.334	-0.007	98	34346	20.0	16.4	
79 2-Chloroethyl vinyl ether	63	9.404	9.411	-0.007	91	63710	20.0	18.0	
81 cis-1,3-Dichloropropene	75	9.584	9.590	-0.006	97	130947	20.0	17.0	
83 4-Methyl-2-pentanone (MIBK)	43	9.757	9.764	-0.007	96	2020051	250.0	236.8	
$ 84 Toluene-d8 (Surr)	98	9.886	9.892	-0.006	93	924536	50.0	49.5	
85 Toluene	92	9.959	9.966	-0.007	98	236058	20.0	19.0	
86 trans-1,3-Dichloropropene	75	10.213	10.216	-0.003	92	120566	20.0	17.4	
87 Ethyl methacrylate	69	10.271	10.274	-0.003	89	142445	20.0	17.1	
88 1,1,2-Trichloroethane	97	10.415	10.422	-0.007	91	85589	20.0	18.2	
90 Tetrachloroethene	166	10.499	10.502	-0.003	97	99290	20.0	19.3	
91 1,3-Dichloropropane	76	10.576	10.582	-0.006	89	142897	20.0	18.5	
94 2-Hexanone	43	10.630	10.633	-0.003	95	1412056	250.0	234.1	
96 Chlorodibromomethane	129	10.791	10.791	0.000	90	84939	20.0	17.8	
98 Ethylene Dibromide	107	10.896	10.900	-0.004	98	92848	20.0	18.3	
* 101 Chlorobenzene-d5 (IS)	117	11.323	11.326	-0.003	88	707089	50.0	50.0	
103 1-Chlorohexane	91	11.330	11.333	-0.003	54	121250	20.0	18.1	
102 Chlorobenzene	112	11.352	11.352	0.000	97	266506	20.0	19.0	
104 1,1,1,2-Tetrachloroethane	131	11.429	11.432	-0.003	96	99018	20.0	18.7	
105 Ethylbenzene	91	11.436	11.436	0.000	98	471395	20.0	18.9	
106 m-Xylene & p-Xylene	106	11.548	11.551	-0.003	98	368342	40.0	37.4	
107 n-Butyl acrylate	55	11.821	11.824	-0.003	97	210143	20.0	17.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
108 o-Xylene	106	11.878	11.878	0.000	96	192148	20.0	18.7	
109 Styrene	104	11.891	11.894	-0.003	94	297168	20.0	18.9	
110 Bromoform	173	12.048	12.048	0.000	96	63863	20.0	17.3	
111 Isopropylbenzene	105	12.174	12.177	-0.003	95	503569	20.0	21.5	
113 Cyclohexanone	55	12.257	12.257	0.000	91	142685	499.9	457.8	
$ 114 4-Bromofluorobenzene (Surr)	95	12.318	12.318	0.000	90	345045	50.0	49.2	
116 1,1,2,2-Tetrachloroethane	83	12.421	12.421	0.000	95	167833	20.0	18.9	
115 Bromobenzene	156	12.437	12.437	0.000	95	114564	20.0	18.9	
119 trans-1,4-Dichloro-2-butene	53	12.446	12.446	0.000	95	182863	100.0	78.1	
118 1,2,3-Trichloropropane	110	12.469	12.469	0.000	86	52248	20.0	18.9	
120 N-Propylbenzene	91	12.501	12.501	0.000	98	563736	20.0	20.1	
121 2-Chlorotoluene	126	12.578	12.581	-0.003	97	122540	20.0	19.9	
122 1,3,5-Trimethylbenzene	105	12.636	12.636	0.000	94	408968	20.0	19.6	
123 4-Chlorotoluene	126	12.674	12.671	0.003	97	114601	20.0	19.5	
125 tert-Butylbenzene	134	12.880	12.880	0.000	92	77762	20.0	19.8	
127 1,2,4-Trimethylbenzene	105	12.918	12.921	-0.003	97	420984	20.0	19.5	
128 sec-Butylbenzene	105	13.040	13.043	-0.003	94	490982	20.0	19.5	
131 1,3-Dichlorobenzene	146	13.140	13.143	-0.003	98	217994	20.0	19.3	
132 4-Isopropyltoluene	119	13.146	13.146	0.000	97	427537	20.0	19.2	
* 133 1,4-Dichlorobenzene-d4	152	13.194	13.197	-0.003	95	389526	50.0	50.0	
134 1,4-Dichlorobenzene	146	13.213	13.213	0.000	96	224021	20.0	19.4	
148 1,2,3-Trimethylbenzene	105	13.223	13.226	-0.003	98	435137	20.0	18.7	
170 Benzyl chloride	91	13.294	13.293	0.001	98	311949	20.0	18.0	
171 1,3-Diethylbenzene	119	13.348	13.348	0.000	95	254301	20.0	19.7	
172 p-Diethylbenzene	119	13.419	13.419	0.000	94	265288	20.0	19.6	
173 n-Butylbenzene	92	13.438	13.438	0.000	97	207387	20.0	19.8	
174 1,2-Dichlorobenzene	146	13.476	13.476	0.000	98	229825	20.0	19.1	
175 o-diethylbenzene	119	13.492	13.492	0.000	95	207992	20.0	18.9	
176 1,2-Dibromo-3-Chloropropane	75	14.016	14.015	0.001	86	46525	20.0	17.6	
177 1,3,5-Trichlorobenzene	180	14.141	14.141	0.000	98	165946	20.0	19.6	
179 1,2,4-Trichlorobenzene	180	14.564	14.564	0.000	94	169826	20.0	19.8	
181 2-Ethylhexyl acrylate	55	14.622	14.619	0.003	80	138897	20.0	17.4	
180 Hexachlorobutadiene	225	14.644	14.644	0.000	98	53393	20.0	18.9	
182 Naphthalene	128	14.750	14.750	0.000	97	712793	20.0	19.5	
183 1,2,3-Trichlorobenzene	180	14.895	14.895	0.000	96	169055	20.0	19.0	
184 2-Methylnaphthalene	142	15.540	15.540	0.000	93	376352	20.0	21.4	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_LCS_ETOH_00009	Amount Added:	50.00	Units: uL	
MSV_LCS_CYC_00010	Amount Added:	50.00	Units: uL	
MSV_LCS_VOC#1_00187	Amount Added:	50.00	Units: uL	
MSV_LCS_Gases_00218	Amount Added:	50.00	Units: uL	
MSV_LCS_ACROL_00191	Amount Added:	50.00	Units: uL	
MSV_LCS_2CEVE_00192	Amount Added:	50.00	Units: uL	
MSV_Q_Acr_Std_00007	Amount Added:	2.00	Units: uL	
MSV_Cent_ISSS_00030	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 03-Oct-2024 15:44:04 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9137\20241003-126695.b\WC03X05.D

Injection Date: 03-Oct-2024 10:34:30 Instrument ID: 9137 Operator ID: knk41612

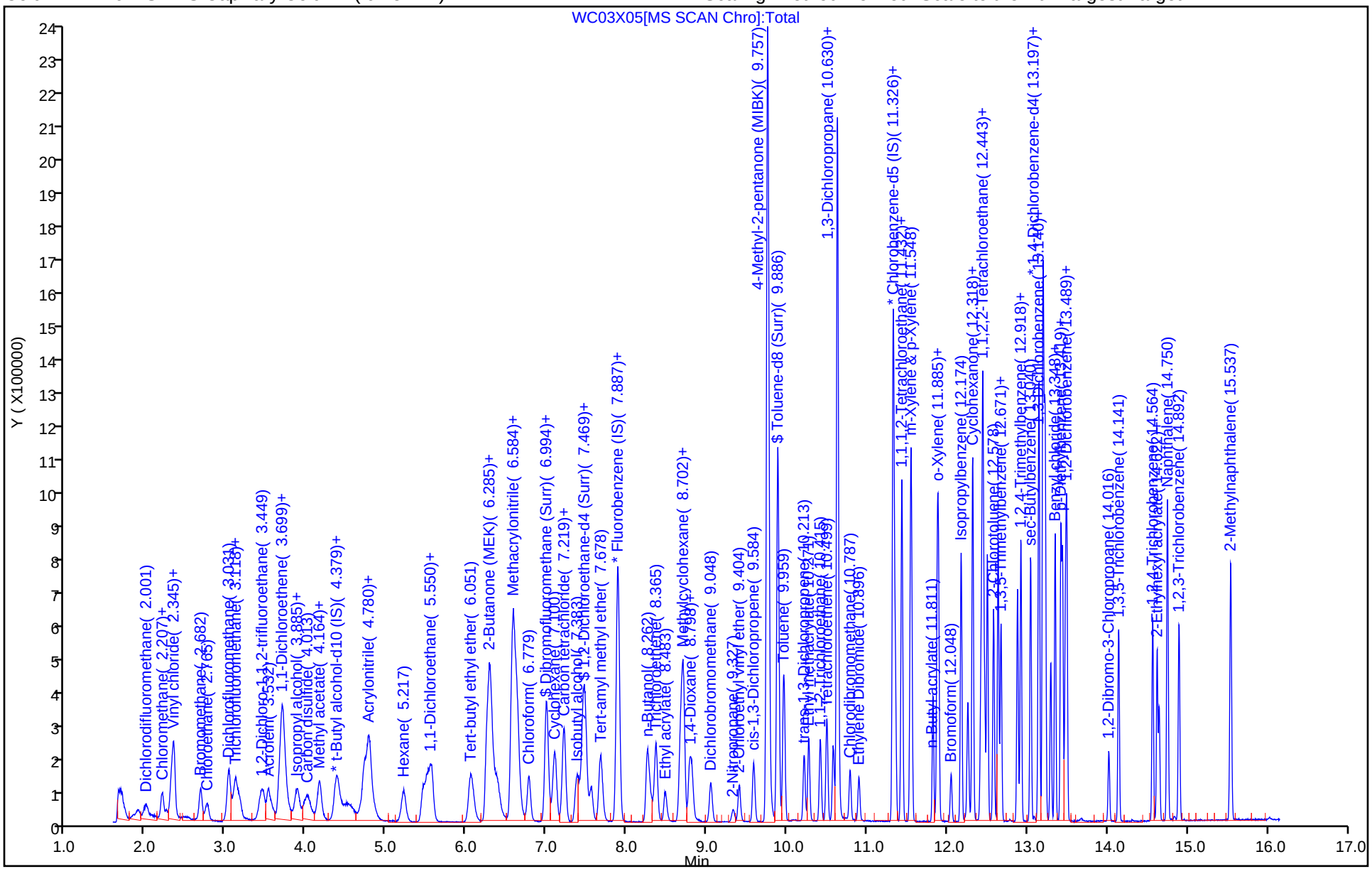
Lims ID: LCSD Worklist Smp#: 6

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 5

Method: MSVoa_9137 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\9137\20241003-126695.b\WC03X05.D				
Lims ID:	LCSD				
Client ID:					
Sample Type:	LCSD				
Inject. Date:	03-Oct-2024 10:34:30	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0126695-006				
Misc. Info.:	LCSD				
Operator ID:	knk41612	Instrument ID:	9137		
Method:	\\chromfs\Lancaster\ChromData\9137\20241003-126695.b\MSVoa_9137.m				
Limit Group:	MSV - 8260C_D				
Last Update:	03-Oct-2024 15:43:42	Calib Date:	01-Oct-2024 00:40:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9137\20240930-126367.b\WS30X17.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1623				

First Level Reviewer: DVW2 Date: 03-Oct-2024 11:47:56

Compound	Amount Added	Amount Recovered	% Rec.
$ 54 Dibromofluoromethane (Surr)	50.0	50.2	100.46
$ 60 1,2-Dichloroethane-d4 (Surr)	50.0	49.1	98.16
$ 84 Toluene-d8 (Surr)	50.0	49.5	99.03
$ 114 4-Bromofluorobenzene (Surr)	50.0	49.2	98.32

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-190105-1

SDG No.:

Client Sample ID: HD-MW-22-0/1-0MS MS
Lab Sample ID: 410-190105-16 MS

Matrix: Water
Lab File ID: 4C01X41.D

Analysis Method: 8260D
Date Collected: 09/27/2024 11:02

Sample wt/vol: 5(mL)
Date Analyzed: 10/02/2024 01:18

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 558100
Units: ug/L

Preparation Batch No.:
Instrument ID: 23297

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	19.6		1.0	0.30
71-55-6	1,1,1-Trichloroethane	20.6		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	19.6		1.0	0.30
79-00-5	1,1,2-Trichloroethane	19.6		1.0	0.30
75-34-3	1,1-Dichloroethane	21.6		1.0	0.30
75-35-4	1,1-Dichloroethene	23.0		1.0	0.30
106-93-4	1,2-Dibromoethane (EDB)	19.2		1.0	0.20
107-06-2	1,2-Dichloroethane	18.8		1.0	0.30
78-87-5	1,2-Dichloropropane	20.3		1.0	0.30
78-93-3	2-Butanone (MEK)	240		10	0.50
591-78-6	2-Hexanone	244		10	0.85
108-10-1	4-Methyl-2-pentanone (MIBK)	241		10	0.50
67-64-1	Acetone	238		20	0.70
71-43-2	Benzene	20.4		1.0	0.30
74-97-5	Bromochloromethane	19.4		5.0	0.20
75-27-4	Bromodichloromethane	18.8		1.0	0.20
75-25-2	Bromoform	16.1		4.0	1.0
74-83-9	Bromomethane	17.8		1.0	0.30
75-15-0	Carbon disulfide	19.5		5.0	0.30
56-23-5	Carbon tetrachloride	20.6		1.0	0.30
108-90-7	Chlorobenzene	19.9		1.0	0.30
75-00-3	Chloroethane	19.6		1.0	0.30
67-66-3	Chloroform	19.7		1.0	0.30
74-87-3	Chloromethane	16.5		2.0	0.55
156-59-2	cis-1,2-Dichloroethene	20.3		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	17.7		1.0	0.20
124-48-1	Dibromochloromethane	18.2		1.0	0.20
100-41-4	Ethylbenzene	19.8		1.0	0.40
1634-04-4	Methyl tert-butyl ether	19.5		1.0	0.20
75-09-2	Methylene Chloride	20.9		1.0	0.30
100-42-5	Styrene	19.3		5.0	0.30
127-18-4	Tetrachloroethene	24.9		1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-190105-1

SDG No.:

Client Sample ID: HD-MW-22-0/1-0MS MS
Lab Sample ID: 410-190105-16 MS

Matrix: Water
Lab File ID: 4C01X41.D

Analysis Method: 8260D
Date Collected: 09/27/2024 11:02

Sample wt/vol: 5(mL)
Date Analyzed: 10/02/2024 01:18

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 558100
Units: ug/L

Preparation Batch No.:
Instrument ID: 23297

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	20.7		1.0	0.30
156-60-5	trans-1,2-Dichloroethene	21.4		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	18.0		1.0	0.20
79-01-6	Trichloroethene	22.2		1.0	0.30
75-01-4	Vinyl chloride	18.7		1.0	0.30
1330-20-7	Xylenes, Total	59.5		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		80-120
460-00-4	4-Bromofluorobenzene (Surr)	97		80-120
1868-53-7	Dibromofluoromethane (Surr)	99		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\23297\20241001-126519.b\4C01X41.D
Lims ID: 410-190105-A-16 MS
Client ID: HD-MW-22-0/1-0MS
Sample Type: MS
Inject. Date: 02-Oct-2024 01:18:30 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0126519-012
Operator ID: AGD105956 Instrument ID: 23297

Method: \\chromfs\Lancaster\ChromData\23297\20241001-126519.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 02-Oct-2024 00:00:46 Calib Date: 17-Sep-2024 18:24:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20240917-125144.b\4S17X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1678

First Level Reviewer: FQ4L Date: 02-Oct-2024 13:15:18

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.782	1.788	-0.006	99	84259	20.0	16.4	
4 Chloromethane	50	1.958	1.958	0.000	99	87037	20.0	16.5	
5 Vinyl chloride	62	2.062	2.062	0.000	98	91958	20.0	18.7	
6 Butadiene	39	2.068	2.074	-0.006	95	154264	20.0	27.9	
8 Bromomethane	94	2.366	2.372	-0.006	89	69206	20.0	17.8	
9 Chloroethane	64	2.439	2.445	-0.006	100	51662	20.0	19.6	
10 Dichlorofluoromethane	67	2.664	2.664	0.000	97	135748	20.0	17.4	
11 Trichlorofluoromethane	101	2.719	2.725	-0.006	98	108472	20.0	17.7	
12 Pentane	43	2.743	2.743	0.000	96	98703	20.0	17.3	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.017	3.017	0.000	90	78453	20.0	20.5	
18 1,1-Dichloroethene	96	3.224	3.218	0.006	97	66375	20.0	23.0	
17 Acetone	58	3.230	3.224	0.006	100	149267	250.0	237.5	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.248	3.260	-0.012	89	70604	20.0	20.2	
20 Isopropyl alcohol	45	3.406	3.400	0.006	96	98066	150.0	146.7	
21 Iodomethane	142	3.406	3.400	0.006	98	120307	20.0	18.2	
22 Carbon disulfide	76	3.510	3.504	0.006	99	214256	20.0	19.5	
24 Methyl acetate	43	3.607	3.607	0.000	98	83602	20.0	21.9	
25 3-Chloro-1-propene	41	3.637	3.631	0.006	91	88567	20.0	17.9	
27 Methylene Chloride	84	3.814	3.820	-0.006	94	72007	20.0	20.9	
* 28 t-Butyl alcohol-d10 (IS)	65	3.838	3.856	-0.018	93	266512	250.0	250.0	
29 2-Methyl-2-propanol	59	3.954	3.960	-0.006	99	201786	200.0	182.9	
30 Acrylonitrile	53	4.100	4.100	0.000	100	210242	100.0	103.2	
31 Methyl tert-butyl ether	73	4.179	4.179	0.000	90	194059	20.0	19.5	
32 trans-1,2-Dichloroethene	96	4.179	4.179	0.000	99	64679	20.0	21.4	
34 Hexane	57	4.611	4.605	0.006	94	78903	20.0	19.5	
36 1,1-Dichloroethane	63	4.836	4.842	-0.006	96	108804	20.0	21.6	
37 Isopropyl ether	45	4.903	4.915	-0.012	94	180686	20.0	19.1	
38 2-Chloro-1,3-butadiene	53	4.952	4.952	0.000	90	84790	20.0	18.9	
39 Tert-butyl ethyl ether	59	5.450	5.456	-0.006	98	185195	20.0	19.4	
40 2-Butanone (MEK)	43	5.663	5.663	0.000	100	765937	250.0	240.1	
41 cis-1,2-Dichloroethene	96	5.688	5.688	0.000	81	72002	20.0	20.3	
42 2,2-Dichloropropane	77	5.706	5.706	0.000	85	101944	20.0	19.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
44 Propionitrile	54	5.748	5.748	0.000	99	150248	150.0	149.6	
46 Methacrylonitrile	67	5.967	5.974	-0.007	92	313545	150.0	149.7	
47 Chlorobromomethane	128	6.028	6.022	0.006	86	37625	20.0	19.4	
48 Tetrahydrofuran	71	6.040	6.040	0.000	92	85061	100.0	87.0	
50 Chloroform	83	6.186	6.180	0.006	93	107960	20.0	19.7	
$ 51 Dibromofluoromethane (Surr)	113	6.399	6.405	-0.006	94	154243	50.0	49.7	
52 1,1,1-Trichloroethane	97	6.418	6.412	0.006	96	107582	20.0	20.6	
53 Cyclohexane	56	6.515	6.509	0.006	90	113584	20.0	20.4	
54 Carbon tetrachloride	117	6.625	6.631	-0.007	86	93279	20.0	20.6	
55 1,1-Dichloropropene	75	6.631	6.631	0.000	95	85041	20.0	20.5	
56 Isobutyl alcohol	41	6.813	6.813	0.000	96	171615	500.0	442.9	
$ 57 1,2-Dichloroethane-d4 (Surr)	102	6.862	6.862	0.000	99	36092	50.0	49.0	
58 Benzene	78	6.892	6.898	-0.006	97	250395	20.0	20.4	
59 1,2-Dichloroethane	62	6.971	6.971	0.000	97	80331	20.0	18.8	
61 Tert-amyl methyl ether	73	7.099	7.099	0.000	99	182529	20.0	19.4	
* 62 Fluorobenzene (IS)	96	7.312	7.312	0.000	99	587894	50.0	50.0	
63 n-Heptane	43	7.336	7.336	0.000	93	85525	20.0	20.0	
64 n-Butanol	56	7.707	7.713	-0.006	90	251026	1000.0	903.2	
65 Trichloroethene	95	7.799	7.799	0.000	96	72627	20.0	22.2	
68 Methylcyclohexane	83	8.109	8.109	0.000	91	119859	20.0	20.2	
69 1,2-Dichloropropane	63	8.133	8.127	0.006	96	62858	20.0	20.3	
70 2-ethoxy-2-methyl butane	87	8.158	8.151	0.007	93	86884	20.0	18.6	
71 1,4-Dioxane	88	8.231	8.231	0.000	38	34893	500.0	432.7	
72 Methyl methacrylate	69	8.237	8.231	0.006	93	55179	20.0	18.6	
73 Dibromomethane	93	8.243	8.243	0.000	93	44180	20.0	19.4	
75 Dichlorobromomethane	83	8.486	8.486	0.000	99	76171	20.0	18.8	
76 2-Nitropropane	41	8.760	8.760	0.000	98	24994	20.0	13.9	
78 cis-1,3-Dichloropropene	75	9.052	9.052	0.000	96	89315	20.0	17.7	
79 4-Methyl-2-pentanone (MIBK)	43	9.240	9.240	0.000	97	1484970	250.0	240.9	
$ 80 Toluene-d8 (Surr)	98	9.380	9.380	0.000	93	594459	50.0	51.4	
81 Toluene	92	9.466	9.466	0.000	98	156241	20.0	20.7	
82 trans-1,3-Dichloropropene	75	9.739	9.739	0.000	92	81077	20.0	18.0	
83 Ethyl methacrylate	69	9.818	9.818	0.000	90	90720	20.0	17.7	
101 1,1,2-Trichloroethane	97	9.952	9.952	0.000	90	59345	20.0	19.6	
117 Tetrachloroethene	166	10.043	10.043	0.000	96	89023	20.0	24.9	
121 1,3-Dichloropropane	76	10.123	10.123	0.000	90	91647	20.0	19.5	
123 2-Hexanone	43	10.183	10.183	0.000	96	1076585	250.0	243.7	
126 Chlorodibromomethane	129	10.342	10.342	0.000	89	64757	20.0	18.2	
127 Ethylene Dibromide	107	10.451	10.451	0.000	98	63337	20.0	19.2	
* 129 Chlorobenzene-d5 (IS)	117	10.901	10.901	0.000	85	450517	50.0	50.0	
130 1-Chlorohexane	91	10.920	10.919	0.001	97	79420	20.0	19.0	
131 Chlorobenzene	112	10.932	10.932	0.000	98	180002	20.0	19.9	
132 1,1,1,2-Tetrachloroethane	131	11.017	11.017	0.000	94	70396	20.0	19.6	
133 Ethylbenzene	91	11.023	11.023	0.000	98	304236	20.0	19.8	
134 m-Xylene & p-Xylene	106	11.145	11.145	0.000	100	245368	40.0	39.9	
136 o-Xylene	106	11.479	11.479	0.000	97	127630	20.0	19.6	
138 Styrene	104	11.497	11.491	0.006	95	193294	20.0	19.3	
139 Bromoform	173	11.650	11.650	0.000	98	47070	20.0	16.1	
140 Isopropylbenzene	105	11.783	11.783	0.000	95	345576	20.0	22.8	
$ 143 4-Bromofluorobenzene (Surr)	95	11.929	11.929	0.000	93	213048	50.0	48.7	
144 1,1,2,2-Tetrachloroethane	83	12.033	12.033	0.000	95	110201	20.0	19.6	
145 Bromobenzene	156	12.045	12.045	0.000	88	79774	20.0	19.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
146 trans-1,4-Dichloro-2-butene	53	12.063	12.057	0.006	90	92389	100.0	60.2	
147 1,2,3-Trichloropropane	110	12.075	12.075	0.000	81	31900	20.0	18.6	
148 N-Propylbenzene	91	12.118	12.118	0.000	98	381232	20.0	20.8	
149 2-Chlorotoluene	126	12.191	12.191	0.000	98	81505	20.0	20.0	
150 1,3,5-Trimethylbenzene	105	12.258	12.258	0.000	94	290327	20.0	20.7	
151 4-Chlorotoluene	126	12.288	12.288	0.000	96	77568	20.0	19.3	
154 tert-Butylbenzene	134	12.501	12.501	0.000	92	57009	20.0	20.6	
156 1,2,4-Trimethylbenzene	105	12.544	12.544	0.000	97	294006	20.0	20.1	
157 sec-Butylbenzene	105	12.672	12.665	0.007	93	378175	20.0	20.9	
158 1,3-Dichlorobenzene	146	12.763	12.763	0.000	98	159666	20.0	19.1	
159 4-Isopropyltoluene	119	12.781	12.781	0.000	97	325099	20.0	20.0	
* 160 1,4-Dichlorobenzene-d4	152	12.818	12.818	0.000	93	274222	50.0	50.0	
161 1,4-Dichlorobenzene	146	12.836	12.836	0.000	96	165071	20.0	19.4	
163 1,2,3-Trimethylbenzene	105	12.854	12.854	0.000	98	302137	20.0	19.4	
164 Benzyl chloride	91	12.915	12.915	0.000	98	200264	20.0	17.2	
165 1,3-Diethylbenzene	119	12.982	12.982	0.000	96	194550	20.0	20.5	
166 p-Diethylbenzene	119	13.055	13.055	0.000	95	203619	20.0	19.8	
167 n-Butylbenzene	92	13.073	13.073	0.000	97	158399	20.0	20.1	
168 1,2-Dichlorobenzene	146	13.097	13.097	0.000	99	167959	20.0	19.4	
169 o-diethylbenzene	119	13.128	13.128	0.000	93	163382	20.0	20.0	
171 1,2-Dibromo-3-Chloropropane	75	13.645	13.639	0.006	89	30605	20.0	18.3	
172 1,3,5-Trichlorobenzene	180	13.773	13.773	0.000	98	138422	20.0	19.9	
173 1,2,4-Trichlorobenzene	180	14.199	14.199	0.000	95	134660	20.0	20.3	
175 Hexachlorobutadiene	225	14.284	14.284	0.000	98	53207	20.0	19.8	
176 Naphthalene	128	14.375	14.375	0.000	96	478994	20.0	21.0	
177 1,2,3-Trichlorobenzene	180	14.521	14.521	0.000	96	129098	20.0	20.4	
178 2-Methylnaphthalene	142	15.123	15.117	0.006	92	246818	20.0	25.2	

QC Flag Legend

Processing Flags

Reagents:

MSV_LCS_VOC#1_00187	Amount Added: 21.50	Units: uL	
MSV_LCS_Gases_00218	Amount Added: 21.50	Units: uL	
MSV_HP04_ISSS_00003	Amount Added: 1.00	Units: uL	Run Reagent

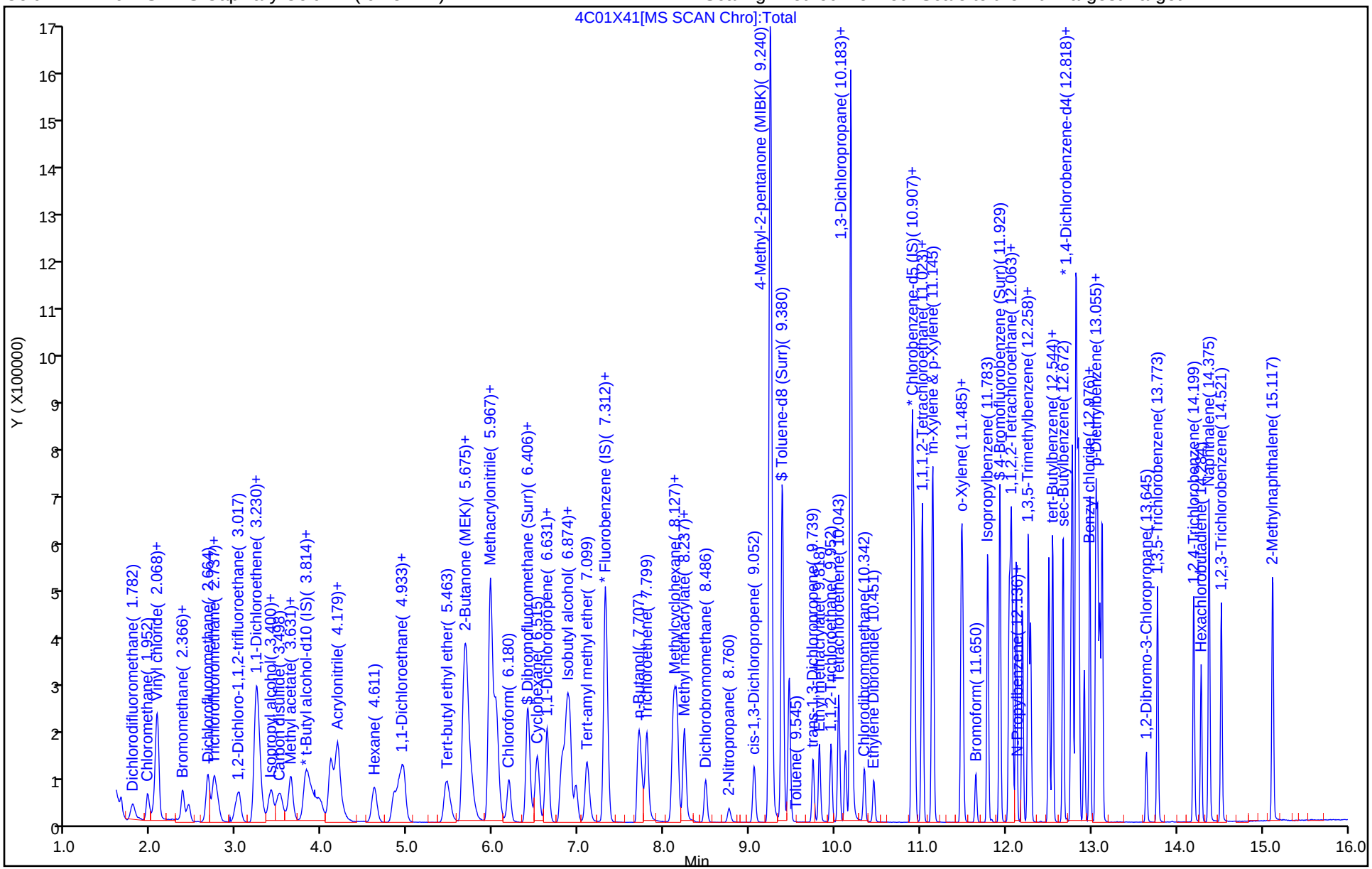
Report Date: 02-Oct-2024 13:15:18 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20241001-126519.b\4C01X41.D

Injection Date:	02-Oct-2024 01:18:30	Instrument ID:	23297	Operator ID:	AGD105956
Lims ID:	410-190105-A-16 MS			Worklist Smp#:	12
Client ID:	HD-MW-22-0/1-0MS				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	MSVoa_23297	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\23297\20241001-126519.b\4C01X41.D				
Lims ID:	410-190105-A-16 MS				
Client ID:	HD-MW-22-0/1-0MS				
Sample Type:	MS				
Inject. Date:	02-Oct-2024 01:18:30	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0126519-012				
Operator ID:	AGD105956	Instrument ID:	23297		
Method:	\\chromfs\Lancaster\ChromData\23297\20241001-126519.b\MSVoa_23297.m				
Limit Group:	MSV - 8260C_D				
Last Update:	02-Oct-2024 00:00:46	Calib Date:	17-Sep-2024 18:24:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\23297\20240917-125144.b\4S17X17.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1678				

First Level Reviewer: FQ4L Date: 02-Oct-2024 13:15:18

Compound	Amount Added	Amount Recovered	% Rec.
$ 51 Dibromofluoromethane (Surr)	50.0	49.7	99.36
$ 57 1,2-Dichloroethane-d4 (Surr)	50.0	49.0	97.92
$ 80 Toluene-d8 (Surr)	50.0	51.4	102.75
$ 143 4-Bromofluorobenzene (Surr)	50.0	48.7	97.39

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-190105-1

SDG No.:

Client Sample ID: HD-MW-22-0/1-0MSD MSD
Lab Sample ID: 410-190105-16 MSD

Matrix: Water
Lab File ID: 4C01X42.D

Analysis Method: 8260D
Date Collected: 09/27/2024 11:02

Sample wt/vol: 5(mL)
Date Analyzed: 10/02/2024 01:40

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 558100
Units: ug/L

Preparation Batch No.:
Instrument ID: 23297

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	19.6		1.0	0.30
71-55-6	1,1,1-Trichloroethane	20.5		1.0	0.30
79-34-5	1,1,2,2-Tetrachloroethane	20.2		1.0	0.30
79-00-5	1,1,2-Trichloroethane	19.5		1.0	0.30
75-34-3	1,1-Dichloroethane	21.0		1.0	0.30
75-35-4	1,1-Dichloroethene	22.6		1.0	0.30
106-93-4	1,2-Dibromoethane (EDB)	19.3		1.0	0.20
107-06-2	1,2-Dichloroethane	18.8		1.0	0.30
78-87-5	1,2-Dichloropropane	20.4		1.0	0.30
78-93-3	2-Butanone (MEK)	237		10	0.50
591-78-6	2-Hexanone	242		10	0.85
108-10-1	4-Methyl-2-pentanone (MIBK)	236		10	0.50
67-64-1	Acetone	252		20	0.70
71-43-2	Benzene	20.3		1.0	0.30
74-97-5	Bromochloromethane	19.0		5.0	0.20
75-27-4	Bromodichloromethane	18.7		1.0	0.20
75-25-2	Bromoform	16.0		4.0	1.0
74-83-9	Bromomethane	17.6		1.0	0.30
75-15-0	Carbon disulfide	18.7		5.0	0.30
56-23-5	Carbon tetrachloride	20.1		1.0	0.30
108-90-7	Chlorobenzene	20.1		1.0	0.30
75-00-3	Chloroethane	19.0		1.0	0.30
67-66-3	Chloroform	19.8		1.0	0.30
74-87-3	Chloromethane	16.3		2.0	0.55
156-59-2	cis-1,2-Dichloroethene	20.1		1.0	0.30
10061-01-5	cis-1,3-Dichloropropene	17.7		1.0	0.20
124-48-1	Dibromochloromethane	18.0		1.0	0.20
100-41-4	Ethylbenzene	19.8		1.0	0.40
1634-04-4	Methyl tert-butyl ether	19.1		1.0	0.20
75-09-2	Methylene Chloride	20.8		1.0	0.30
100-42-5	Styrene	19.5		5.0	0.30
127-18-4	Tetrachloroethene	25.8		1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-190105-1

SDG No.:

Client Sample ID: HD-MW-22-0/1-0MSD MSD
Lab Sample ID: 410-190105-16 MSD

Matrix: Water
Lab File ID: 4C01X42.D

Analysis Method: 8260D
Date Collected: 09/27/2024 11:02

Sample wt/vol: 5(mL)
Date Analyzed: 10/02/2024 01:40

Soil Aliquot Vol:
Dilution Factor: 1

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

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

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

Analysis Batch No.: 558100
Units: ug/L

Preparation Batch No.:
Instrument ID: 23297

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	21.0		1.0	0.30
156-60-5	trans-1,2-Dichloroethene	21.2		2.0	0.70
10061-02-6	trans-1,3-Dichloropropene	18.4		1.0	0.20
79-01-6	Trichloroethene	22.0		1.0	0.30
75-01-4	Vinyl chloride	18.1		1.0	0.30
1330-20-7	Xylenes, Total	59.1		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		80-120
460-00-4	4-Bromofluorobenzene (Surr)	96		80-120
1868-53-7	Dibromofluoromethane (Surr)	99		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\23297\20241001-126519.b\4C01X42.D
Lims ID: 410-190105-A-16 MSD
Client ID: HD-MW-22-0/1-0MSD
Sample Type: MSD
Inject. Date: 02-Oct-2024 01:40:30 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0126519-013
Operator ID: AGD105956 Instrument ID: 23297

Method: \\chromfs\Lancaster\ChromData\23297\20241001-126519.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 02-Oct-2024 01:07:57 Calib Date: 17-Sep-2024 18:24:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20240917-125144.b\4S17X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1678

First Level Reviewer: FQ4L Date: 02-Oct-2024 14:14:37

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.788	1.788	0.000	99	84699	20.0	16.2	
4 Chloromethane	50	1.965	1.958	0.007	99	87231	20.0	16.3	
5 Vinyl chloride	62	2.068	2.062	0.006	97	90581	20.0	18.1	
6 Butadiene	39	2.080	2.074	0.006	95	151865	20.0	27.0	
8 Bromomethane	94	2.372	2.372	0.000	90	69714	20.0	17.6	
9 Chloroethane	64	2.445	2.445	0.000	100	50957	20.0	19.0	
10 Dichlorofluoromethane	67	2.664	2.664	0.000	97	137345	20.0	17.3	
11 Trichlorofluoromethane	101	2.731	2.725	0.006	96	110355	20.0	17.7	
12 Pentane	43	2.749	2.743	0.006	95	97916	20.0	16.9	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	3.023	3.017	0.006	90	79767	20.0	20.5	
18 1,1-Dichloroethene	96	3.230	3.218	0.012	50	66282	20.0	22.6	
17 Acetone	58	3.236	3.224	0.012	100	148599	250.0	252.0	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.254	3.260	-0.006	90	69761	20.0	19.7	
20 Isopropyl alcohol	45	3.406	3.400	0.006	88	95246	150.0	151.8	
21 Iodomethane	142	3.406	3.400	0.006	98	119251	20.0	17.8	
22 Carbon disulfide	76	3.510	3.504	0.006	99	209267	20.0	18.7	
24 Methyl acetate	43	3.613	3.607	0.006	97	78418	20.0	20.2	
25 3-Chloro-1-propene	41	3.644	3.631	0.013	90	89860	20.0	17.9	
27 Methylene Chloride	84	3.820	3.820	0.000	94	72854	20.0	20.8	
* 28 t-Butyl alcohol-d10 (IS)	65	3.844	3.856	-0.012	95	250058	250.0	250.0	
29 2-Methyl-2-propanol	59	3.966	3.960	0.006	99	211055	200.0	203.9	
30 Acrylonitrile	53	4.106	4.100	0.006	98	209821	100.0	101.2	
31 Methyl tert-butyl ether	73	4.185	4.179	0.006	97	192915	20.0	19.1	
32 trans-1,2-Dichloroethene	96	4.185	4.179	0.006	99	65054	20.0	21.2	
34 Hexane	57	4.617	4.605	0.012	93	79912	20.0	19.4	
36 1,1-Dichloroethane	63	4.842	4.842	0.000	96	107752	20.0	21.0	
37 Isopropyl ether	45	4.915	4.915	0.000	95	183970	20.0	19.1	
38 2-Chloro-1,3-butadiene	53	4.958	4.952	0.006	89	85316	20.0	18.7	
39 Tert-butyl ethyl ether	59	5.457	5.456	0.000	99	187423	20.0	19.3	
40 2-Butanone (MEK)	43	5.663	5.663	0.000	100	767863	250.0	236.6	
41 cis-1,2-Dichloroethene	96	5.688	5.688	0.000	81	72476	20.0	20.1	
42 2,2-Dichloropropane	77	5.712	5.706	0.006	88	102692	20.0	19.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
44 Propionitrile	54	5.761	5.748	0.013	99	142384	150.0	151.1	
46 Methacrylonitrile	67	5.974	5.974	0.000	93	319563	150.0	150.0	
47 Chlorobromomethane	128	6.028	6.022	0.006	87	37606	20.0	19.0	
48 Tetrahydrofuran	71	6.041	6.040	0.001	91	83913	100.0	91.4	
50 Chloroform	83	6.187	6.180	0.007	93	110231	20.0	19.8	
$ 51 Dibromofluoromethane (Surr)	113	6.406	6.405	0.001	94	155689	50.0	49.3	
52 1,1,1-Trichloroethane	97	6.412	6.412	0.000	94	108781	20.0	20.5	
53 Cyclohexane	56	6.521	6.509	0.012	90	116625	20.0	20.6	
54 Carbon tetrachloride	117	6.631	6.631	0.000	87	92253	20.0	20.1	
55 1,1-Dichloropropene	75	6.631	6.631	0.000	94	85202	20.0	20.2	
56 Isobutyl alcohol	41	6.819	6.813	0.006	94	162435	500.0	446.8	
$ 57 1,2-Dichloroethane-d4 (Surr)	102	6.868	6.862	0.006	100	36592	50.0	48.8	
58 Benzene	78	6.898	6.898	0.000	96	254182	20.0	20.3	
59 1,2-Dichloroethane	62	6.971	6.971	0.000	97	81568	20.0	18.8	
61 Tert-amyl methyl ether	73	7.099	7.099	0.000	99	184627	20.0	19.3	
* 62 Fluorobenzene (IS)	96	7.312	7.312	0.000	99	597986	50.0	50.0	
63 n-Heptane	43	7.336	7.336	0.000	94	86327	20.0	19.8	
64 n-Butanol	56	7.714	7.713	0.001	90	245148	1000.0	940.0	
65 Trichloroethene	95	7.799	7.799	0.000	97	73386	20.0	22.0	
68 Methylcyclohexane	83	8.109	8.109	0.000	91	121963	20.0	20.2	
69 1,2-Dichloropropane	63	8.133	8.127	0.006	97	64260	20.0	20.4	
70 2-ethoxy-2-methyl butane	87	8.158	8.151	0.007	94	86903	20.0	18.3	
71 1,4-Dioxane	88	8.231	8.231	0.000	39	34570	500.0	456.9	
72 Methyl methacrylate	69	8.237	8.231	0.006	93	54991	20.0	18.2	
73 Dibromomethane	93	8.243	8.243	0.000	94	44853	20.0	19.3	
75 Dichlorobromomethane	83	8.486	8.486	0.000	99	77179	20.0	18.7	
76 2-Nitropropane	41	8.760	8.760	0.000	98	24746	20.0	14.6	
78 cis-1,3-Dichloropropene	75	9.058	9.052	0.006	96	91092	20.0	17.7	
79 4-Methyl-2-pentanone (MIBK)	43	9.247	9.240	0.007	97	1479766	250.0	236.0	
$ 80 Toluene-d8 (Surr)	98	9.386	9.380	0.006	93	599787	50.0	51.3	
81 Toluene	92	9.466	9.466	0.000	98	160508	20.0	21.0	
82 trans-1,3-Dichloropropene	75	9.745	9.739	0.006	92	83590	20.0	18.4	
83 Ethyl methacrylate	69	9.818	9.818	0.000	89	92321	20.0	17.8	
101 1,1,2-Trichloroethane	97	9.952	9.952	0.000	90	59373	20.0	19.5	
117 Tetrachloroethene	166	10.044	10.043	0.001	97	92889	20.0	25.8	
121 1,3-Dichloropropane	76	10.123	10.123	0.000	91	92059	20.0	19.4	
123 2-Hexanone	43	10.183	10.183	0.000	96	1080161	250.0	242.2	
126 Chlorodibromomethane	129	10.342	10.342	0.000	90	64640	20.0	18.0	
127 Ethylene Dibromide	107	10.457	10.451	0.006	98	64298	20.0	19.3	
* 129 Chlorobenzene-d5 (IS)	117	10.907	10.901	0.006	85	454821	50.0	50.0	
130 1-Chlorohexane	91	10.920	10.919	0.001	97	80949	20.0	19.1	
131 Chlorobenzene	112	10.932	10.932	0.000	98	183642	20.0	20.1	
132 1,1,1,2-Tetrachloroethane	131	11.017	11.017	0.000	95	71114	20.0	19.6	
133 Ethylbenzene	91	11.023	11.023	0.000	98	306511	20.0	19.8	
134 m-Xylene & p-Xylene	106	11.145	11.145	0.000	100	245410	40.0	39.5	
136 o-Xylene	106	11.479	11.479	0.000	96	128714	20.0	19.6	
138 Styrene	104	11.491	11.491	0.000	95	196562	20.0	19.5	
139 Bromoform	173	11.650	11.650	0.000	98	47018	20.0	16.0	
140 Isopropylbenzene	105	11.783	11.783	0.000	95	347877	20.0	22.7	
$ 143 4-Bromofluorobenzene (Surr)	95	11.929	11.929	0.000	93	212628	50.0	48.1	
144 1,1,2,2-Tetrachloroethane	83	12.033	12.033	0.000	94	111874	20.0	20.2	
145 Bromobenzene	156	12.045	12.045	0.000	93	81118	20.0	19.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
146 trans-1,4-Dichloro-2-butene	53	12.063	12.057	0.006	89	95726	100.0	63.4	
147 1,2,3-Trichloropropane	110	12.082	12.075	0.007	83	32624	20.0	19.4	
148 N-Propylbenzene	91	12.118	12.118	0.000	98	387733	20.0	21.5	
149 2-Chlorotoluene	126	12.191	12.191	0.000	98	81684	20.0	20.4	
150 1,3,5-Trimethylbenzene	105	12.258	12.258	0.000	94	294570	20.0	21.3	
151 4-Chlorotoluene	126	12.288	12.288	0.000	97	77780	20.0	19.6	
154 tert-Butylbenzene	134	12.501	12.501	0.000	92	57870	20.0	21.3	
156 1,2,4-Trimethylbenzene	105	12.544	12.544	0.000	97	297329	20.0	20.7	
157 sec-Butylbenzene	105	12.672	12.665	0.007	93	385326	20.0	21.7	
158 1,3-Dichlorobenzene	146	12.763	12.763	0.000	98	162356	20.0	19.8	
159 4-Isopropyltoluene	119	12.781	12.781	0.000	97	335151	20.0	21.0	
* 160 1,4-Dichlorobenzene-d4	152	12.818	12.818	0.000	93	269623	50.0	50.0	
161 1,4-Dichlorobenzene	146	12.836	12.836	0.000	96	167715	20.0	20.0	
163 1,2,3-Trimethylbenzene	105	12.854	12.854	0.000	98	307561	20.0	20.0	
164 Benzyl chloride	91	12.915	12.915	0.000	98	203817	20.0	17.8	
165 1,3-Diethylbenzene	119	12.982	12.982	0.000	97	200068	20.0	21.5	
166 p-Diethylbenzene	119	13.055	13.055	0.000	94	209385	20.0	20.7	
167 n-Butylbenzene	92	13.073	13.073	0.000	97	161315	20.0	20.8	
168 1,2-Dichlorobenzene	146	13.097	13.097	0.000	99	172235	20.0	20.2	
169 o-diethylbenzene	119	13.128	13.128	0.000	93	163845	20.0	20.4	
171 1,2-Dibromo-3-Chloropropane	75	13.639	13.639	0.000	88	30260	20.0	18.4	
172 1,3,5-Trichlorobenzene	180	13.773	13.773	0.000	98	140710	20.0	20.6	
173 1,2,4-Trichlorobenzene	180	14.199	14.199	0.000	95	136834	20.0	21.0	
175 Hexachlorobutadiene	225	14.284	14.284	0.000	98	55385	20.0	20.9	
176 Naphthalene	128	14.375	14.375	0.000	96	478334	20.0	21.3	
177 1,2,3-Trichlorobenzene	180	14.521	14.521	0.000	96	133030	20.0	21.4	
178 2-Methylnaphthalene	142	15.117	15.117	0.000	92	255165	20.0	26.5	

QC Flag Legend

Processing Flags

Reagents:

MSV_LCS_VOC#1_00187	Amount Added: 21.50	Units: uL	
MSV_LCS_Gases_00218	Amount Added: 21.50	Units: uL	
MSV_HP04_ISSS_00003	Amount Added: 1.00	Units: uL	Run Reagent

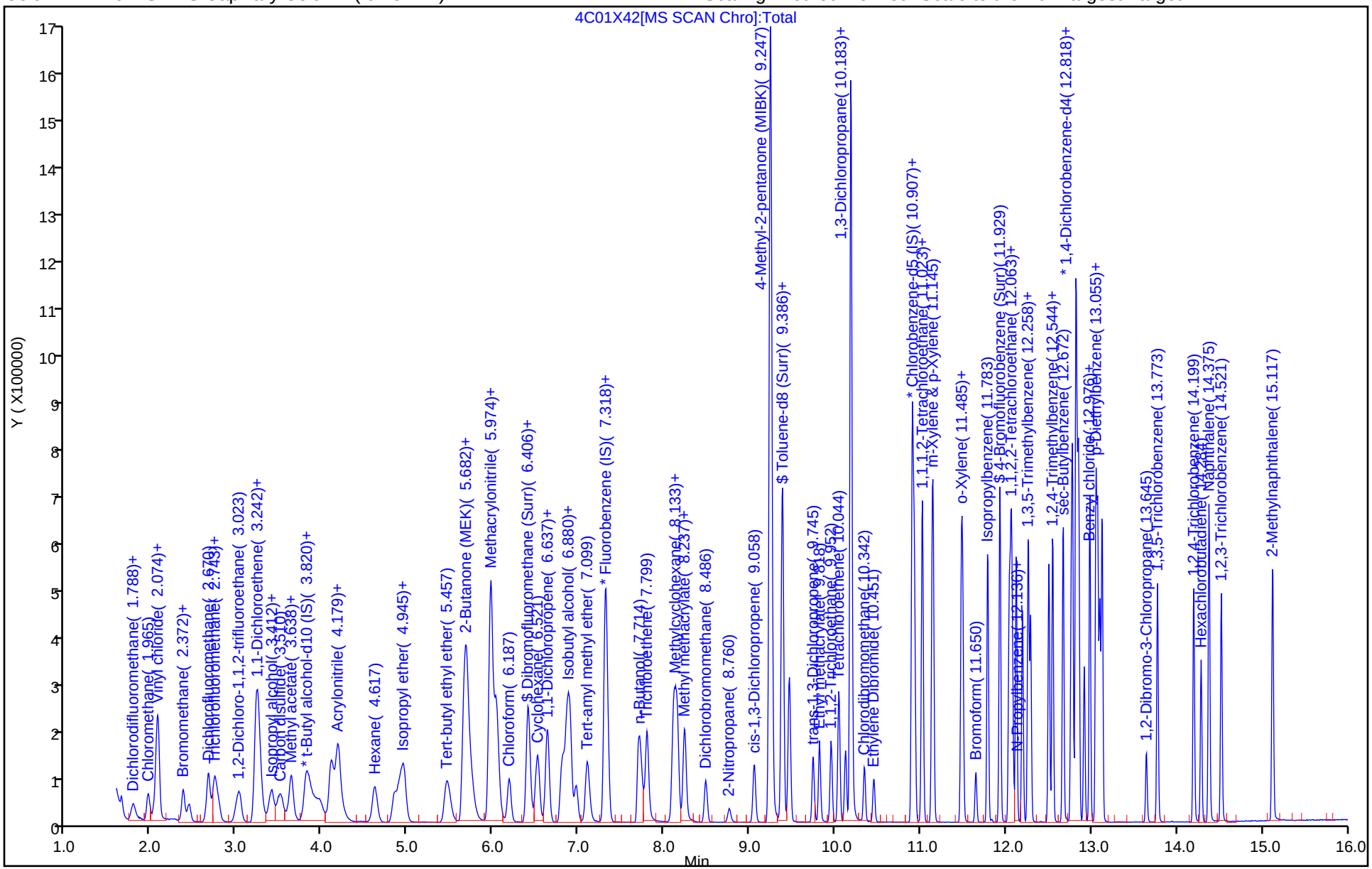
Report Date: 02-Oct-2024 14:14:37 Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\23297\20241001-126519.b\4C01X42.D

Injection Date:	02-Oct-2024 01:40:30	Instrument ID:	23297	Operator ID:	AGD105956
Lims ID:	410-190105-A-16 MSD			Worklist Smp#:	13
Client ID:	HD-MW-22-0/1-0MSD				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	MSVoa_23297	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\23297\20241001-126519.b\4C01X42.D
Lims ID: 410-190105-A-16 MSD
Client ID: HD-MW-22-0/1-0MSD
Sample Type: MSD
Inject. Date: 02-Oct-2024 01:40:30 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0126519-013
Operator ID: AGD105956 Instrument ID: 23297

Method: \\chromfs\Lancaster\ChromData\23297\20241001-126519.b\MSVoa_23297.m
Limit Group: MSV - 8260C_D
Last Update: 02-Oct-2024 01:07:57 Calib Date: 17-Sep-2024 18:24:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\23297\20240917-125144.b\4S17X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1678

First Level Reviewer: FQ4L Date: 02-Oct-2024 14:14:37

Compound	Amount Added	Amount Recovered	% Rec.
$ 51 Dibromofluoromethane (Surr)	50.0	49.3	98.60
$ 57 1,2-Dichloroethane-d4 (Surr)	50.0	48.8	97.60
$ 80 Toluene-d8 (Surr)	50.0	51.3	102.69
$ 143 4-Bromofluorobenzene (Surr)	50.0	48.1	96.28

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1

SDG No.:

Instrument ID: 9915 Start Date: 07/15/2024 13:34

Analysis Batch Number: 528230 End Date: 07/15/2024 20:42

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-528230/1		07/15/2024 13:34	1	LL15T01.D	R-624SilMS 30m 0.25(mm)
IC 410-528230/3		07/15/2024 14:18	1	LL15X02.D	R-624SilMS 30m 0.25(mm)
IC 410-528230/4		07/15/2024 14:41	1	LL15X03.D	R-624SilMS 30m 0.25(mm)
IC 410-528230/5		07/15/2024 15:03	1	LL15X04.D	R-624SilMS 30m 0.25(mm)
IC 410-528230/6		07/15/2024 15:26	1	LL15X05.D	R-624SilMS 30m 0.25(mm)
CCV 410-528230/1006		07/15/2024 15:26	1		R-624SilMS 30m 0.25(mm)
IC 410-528230/7		07/15/2024 15:48	1	LL15X06.D	R-624SilMS 30m 0.25(mm)
IC 410-528230/8		07/15/2024 16:11	1	LL15X07.D	R-624SilMS 30m 0.25(mm)
ICV 410-528230/10		07/15/2024 16:56	1		R-624SilMS 30m 0.25(mm)
IC 410-528230/12		07/15/2024 17:41	1	LL15X11.D	R-624SilMS 30m 0.25(mm)
IC 410-528230/13		07/15/2024 18:04	1	LL15X12.D	R-624SilMS 30m 0.25(mm)
IC 410-528230/14		07/15/2024 18:26	1	LL15X13.D	R-624SilMS 30m 0.25(mm)
IC 410-528230/15		07/15/2024 18:49	1	LL15X14.D	R-624SilMS 30m 0.25(mm)
ICIS 410-528230/16		07/15/2024 19:11	1	LL15X15.D	R-624SilMS 30m 0.25(mm)
CCVIS 410-528230/1016		07/15/2024 19:11	1		R-624SilMS 30m 0.25(mm)
IC 410-528230/17		07/15/2024 19:34	1	LL15X16.D	R-624SilMS 30m 0.25(mm)
IC 410-528230/18		07/15/2024 19:57	1	LL15X17.D	R-624SilMS 30m 0.25(mm)
ICV 410-528230/20		07/15/2024 20:42	1	LL15X19.D	R-624SilMS 30m 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC

Job No.: 410-190105-1

SDG No.:

Instrument ID: 23297

Start Date: 09/17/2024 14:17

Analysis Batch Number: 552275

End Date: 09/17/2024 19:08

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-552275/1		09/17/2024 14:17	1	4S17T01.D	R-624SilMS 30m 0.25(mm)
IC 410-552275/12		09/17/2024 16:08	1	4S17X11.D	R-624SilMS 30m 0.25(mm)
IC 410-552275/13		09/17/2024 16:31	1	4S17X12.D	R-624SilMS 30m 0.25(mm)
IC 410-552275/14		09/17/2024 16:53	1	4S17X13.D	R-624SilMS 30m 0.25(mm)
IC 410-552275/15		09/17/2024 17:16	1	4S17X14.D	R-624SilMS 30m 0.25(mm)
ICIS 410-552275/16		09/17/2024 17:38	1	4S17X15.D	R-624SilMS 30m 0.25(mm)
ZZZZZ		09/17/2024 17:38	1		R-624SilMS 30m 0.25(mm)
IC 410-552275/17		09/17/2024 18:01	1	4S17X16.D	R-624SilMS 30m 0.25(mm)
IC 410-552275/18		09/17/2024 18:24	1	4S17X17.D	R-624SilMS 30m 0.25(mm)
ICV 410-552275/20		09/17/2024 19:08	1	4S17X19.D	R-624SilMS 30m 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1

SDG No.:

Instrument ID: 9137 Start Date: 09/30/2024 18:32

Analysis Batch Number: 557456 End Date: 10/01/2024 01:24

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-557456/1		09/30/2024 18:32	1	WS30T04.D	R-624SilMS 30m 0.25(mm)
IC 410-557456/3		09/30/2024 19:14	1	WS30X02.D	R-624SilMS 30m 0.25(mm)
IC 410-557456/4		09/30/2024 19:35	1	WS30X03.D	R-624SilMS 30m 0.25(mm)
IC 410-557456/5		09/30/2024 19:57	1	WS30X04.D	R-624SilMS 30m 0.25(mm)
IC 410-557456/6		09/30/2024 20:19	1	WS30X05.D	R-624SilMS 30m 0.25(mm)
CCV 410-557456/1006		09/30/2024 20:19	1		R-624SilMS 30m 0.25(mm)
IC 410-557456/7		09/30/2024 20:41	1	WS30X06.D	R-624SilMS 30m 0.25(mm)
IC 410-557456/8		09/30/2024 21:03	1	WS30X07.D	R-624SilMS 30m 0.25(mm)
IC 410-557456/12		09/30/2024 22:30	1	WS30X11.D	R-624SilMS 30m 0.25(mm)
IC 410-557456/13		09/30/2024 22:52	1	WS30X12.D	R-624SilMS 30m 0.25(mm)
IC 410-557456/14		09/30/2024 23:13	1	WS30X13.D	R-624SilMS 30m 0.25(mm)
IC 410-557456/15		09/30/2024 23:35	1	WS30X14.D	R-624SilMS 30m 0.25(mm)
ICIS 410-557456/16		09/30/2024 23:57	1	WS30X15.D	R-624SilMS 30m 0.25(mm)
CCVIS 410-557456/1016		09/30/2024 23:57	1		R-624SilMS 30m 0.25(mm)
IC 410-557456/17		10/01/2024 00:19	1	WS30X16.D	R-624SilMS 30m 0.25(mm)
IC 410-557456/18		10/01/2024 00:40	1	WS30X17.D	R-624SilMS 30m 0.25(mm)
ICV 410-557456/20		10/01/2024 01:24	1	WS30X19.D	R-624SilMS 30m 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1

SDG No.:

Instrument ID: 23297 Start Date: 10/01/2024 20:51

Analysis Batch Number: 558100 End Date: 10/02/2024 07:17

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-558100/1		10/01/2024 20:51	1	4C01T31.D	R-624SilMS 30m 0.25(mm)
CCVIS 410-558100/3		10/01/2024 21:28	1	4C01X32.D	R-624SilMS 30m 0.25(mm)
LCS 410-558100/4		10/01/2024 21:51	1	4C01X33.D	R-624SilMS 30m 0.25(mm)
LCSD 410-558100/5		10/01/2024 22:13	1	4C01X34.D	R-624SilMS 30m 0.25(mm)
ZZZZZ		10/01/2024 22:35	1		R-624SilMS 30m 0.25(mm)
MB 410-558100/7		10/01/2024 22:58	1	4C01X36.D	R-624SilMS 30m 0.25(mm)
ZZZZZ		10/01/2024 23:48	1		R-624SilMS 30m 0.25(mm)
410-190105-8	HD-QC1-0/1-4	10/02/2024 00:10	1	4C01X38.D	R-624SilMS 30m 0.25(mm)
410-190105-18	HD-QC1-0/1-2	10/02/2024 00:33	1	4C01X39.D	R-624SilMS 30m 0.25(mm)
410-190105-16	HD-MW-22-0/1-0	10/02/2024 00:55	1	4C01X40.D	R-624SilMS 30m 0.25(mm)
410-190105-16 MS	HD-MW-22-0/1-0MS MS	10/02/2024 01:18	1	4C01X41.D	R-624SilMS 30m 0.25(mm)
410-190105-16 MSD	HD-MW-22-0/1-0MSD MSD	10/02/2024 01:40	1	4C01X42.D	R-624SilMS 30m 0.25(mm)
410-190105-1	HD-MW-88-0/1-0	10/02/2024 02:03	1	4C01X43.D	R-624SilMS 30m 0.25(mm)
410-190105-2	HD-MW-5-0/1-0	10/02/2024 02:25	1	4C01X44.D	R-624SilMS 30m 0.25(mm)
410-190105-3	HD-MW-108D-0/1-0	10/02/2024 02:48	1	4C01X45.D	R-624SilMS 30m 0.25(mm)
410-190105-4	HD-MW-166-0/1-0	10/02/2024 03:10	1	4C01X46.D	R-624SilMS 30m 0.25(mm)
410-190105-5	HD-MW-167-0/1-0	10/02/2024 03:33	1	4C01X47.D	R-624SilMS 30m 0.25(mm)
410-190105-6	HD-MW-168-0/1-0	10/02/2024 03:55	1	4C01X48.D	R-624SilMS 30m 0.25(mm)
410-190105-9	HD-MW-6-0/1-0	10/02/2024 04:18	1	4C01X49.D	R-624SilMS 30m 0.25(mm)
410-190105-10	HD-MW-101S-0/1-0	10/02/2024 04:40	1	4C01X50.D	R-624SilMS 30m 0.25(mm)
410-190105-11	HD-MW-101D-0/1-0	10/02/2024 05:03	1	4C01X51.D	R-624SilMS 30m 0.25(mm)
410-190105-12	HD-MW-108S-0/1-0	10/02/2024 05:25	1	4C01X52.D	R-624SilMS 30m 0.25(mm)
410-190105-13	HD-MW-20S-0/1-0	10/02/2024 05:48	1	4C01X53.D	R-624SilMS 30m 0.25(mm)
410-190105-14	HD-MW-20M-0/1-0	10/02/2024 06:10	1	4C01X54.D	R-624SilMS 30m 0.25(mm)
410-190105-15	HD-MW-14-0/1-0	10/02/2024 06:33	1	4C01X55.D	R-624SilMS 30m 0.25(mm)
410-190105-19	HD-MW-9-0/1-0	10/02/2024 06:55	1	4C01X56.D	R-624SilMS 30m 0.25(mm)
ZZZZZ		10/02/2024 07:17	10		R-624SilMS 30m 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1

SDG No.:

Instrument ID: 9137 Start Date: 10/03/2024 08:50

Analysis Batch Number: 558854 End Date: 10/03/2024 20:23

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-558854/1		10/03/2024 08:50	1	WC03T01.D	R-624SilMS 30m 0.25(mm)
CCVIS 410-558854/3		10/03/2024 09:28	1	WC03X02.D	R-624SilMS 30m 0.25(mm)
CCV 410-558854/4		10/03/2024 09:50	1		R-624SilMS 30m 0.25(mm)
LCS 410-558854/5		10/03/2024 10:12	1	WC03X04.D	R-624SilMS 30m 0.25(mm)
LCSD 410-558854/6		10/03/2024 10:34	1	WC03X05.D	R-624SilMS 30m 0.25(mm)
ZZZZZ		10/03/2024 10:56	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		10/03/2024 11:18	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		10/03/2024 11:39	1		R-624SilMS 30m 0.25(mm)
MB 410-558854/10		10/03/2024 12:01	1	WC03X09.D	R-624SilMS 30m 0.25(mm)
ZZZZZ		10/03/2024 12:23	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		10/03/2024 12:45	1		R-624SilMS 30m 0.25(mm)
410-190105-7	HD-QC1-0/1-3	10/03/2024 13:07	1	WC03X12.D	R-624SilMS 30m 0.25(mm)
ZZZZZ		10/03/2024 13:28	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		10/03/2024 13:50	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		10/03/2024 14:12	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		10/03/2024 14:34	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		10/03/2024 14:56	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		10/03/2024 15:18	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		10/03/2024 15:40	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		10/03/2024 16:01	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		10/03/2024 16:23	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		10/03/2024 16:45	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		10/03/2024 17:07	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		10/03/2024 17:29	10		R-624SilMS 30m 0.25(mm)
ZZZZZ		10/03/2024 17:51	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		10/03/2024 18:12	10		R-624SilMS 30m 0.25(mm)
ZZZZZ		10/03/2024 18:34	100		R-624SilMS 30m 0.25(mm)
ZZZZZ		10/03/2024 18:56	10		R-624SilMS 30m 0.25(mm)
ZZZZZ		10/03/2024 19:18	10		R-624SilMS 30m 0.25(mm)
ZZZZZ		10/03/2024 19:40	10		R-624SilMS 30m 0.25(mm)
ZZZZZ		10/03/2024 20:02	50		R-624SilMS 30m 0.25(mm)
ZZZZZ		10/03/2024 20:23	10		R-624SilMS 30m 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-190105-1

SDG No.:

Instrument ID: 9915 Start Date: 10/08/2024 07:32

Analysis Batch Number: 560477 End Date: 10/08/2024 19:35

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-560477/1		10/08/2024 07:32	1	LC08T01.D	R-624SilMS 30m 0.25(mm)
CCVIS 410-560477/3		10/08/2024 08:30	1	LC08X02.D	R-624SilMS 30m 0.25(mm)
ZZZZZ		10/08/2024 09:37	1		R-624SilMS 30m 0.25(mm)
MB 410-560477/7		10/08/2024 10:00	1	LC08X06.D	R-624SilMS 30m 0.25(mm)
LCS 410-560477/8		10/08/2024 11:13	1	LC08X07.D	R-624SilMS 30m 0.25(mm)
ZZZZZ		10/08/2024 12:05	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		10/08/2024 12:27	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		10/08/2024 12:49	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		10/08/2024 13:12	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		10/08/2024 13:35	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		10/08/2024 13:57	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		10/08/2024 14:20	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		10/08/2024 14:42	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		10/08/2024 15:05	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		10/08/2024 15:27	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		10/08/2024 15:50	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		10/08/2024 16:12	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		10/08/2024 16:35	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		10/08/2024 16:57	10		R-624SilMS 30m 0.25(mm)
ZZZZZ		10/08/2024 17:20	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		10/08/2024 17:43	10		R-624SilMS 30m 0.25(mm)
ZZZZZ		10/08/2024 18:05	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		10/08/2024 18:28	1		R-624SilMS 30m 0.25(mm)
410-190105-17	HD-QC1-0/1-1	10/08/2024 18:50	1	LC08X26.D	R-624SilMS 30m 0.25(mm)
ZZZZZ		10/08/2024 19:13	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		10/08/2024 19:35	1		R-624SilMS 30m 0.25(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-190105-1

SDG No.:

Batch Number: 528230 | Batch Start Date: 07/15/24 13:34 | Batch Analyst: Kephart, Kayla

Batch Method: 8260D | Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	Lot#Vial	MSV_4ppbEE 00593	MSV_CCV_2CEVE 00184	MSV_CCV_CYC 00009
BFB 410-528230/1		8260D			1 uL	1 uL				
IC 410-528230/3		8260D			5 mL	5 mL	2759			
IC 410-528230/4		8260D			5 mL	5 mL	2759			
IC 410-528230/5		8260D			5 mL	5 mL	2759			
IC 410-528230/6		8260D			5 mL	5 mL	2759			
IC 410-528230/7		8260D			5 mL	5 mL	2759			
IC 410-528230/8		8260D			5 mL	5 mL	2759			
IC 410-528230/12		8260D			5 mL	5 mL	2759	12.5 mL		
IC 410-528230/13		8260D			5 mL	5 mL	2759		4 uL	32 uL
IC 410-528230/14		8260D			5 mL	5 mL	2759		2 uL	8 uL
IC 410-528230/15		8260D			5 mL	5 mL	2759		4 uL	16 uL
ICIS 410-528230/16		8260D			5 mL	5 mL	2759		5 uL	10 uL
IC 410-528230/17		8260D			5 mL	5 mL	2759		5 uL	10 uL
IC 410-528230/18		8260D			5 mL	5 mL	2759		15 uL	30 uL
ICV 410-528230/20		8260D			5 mL	5 mL	2759			

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_CCV_EE 00007	MSV_CCV_ETOH 00006	MSV_CCV_GASES 00819	MSV_CCV_LKB 00010	MSV_CCV_OH_Sp 00012	MSV_CCV_Penta 00051
BFB 410-528230/1		8260D								
IC 410-528230/3		8260D				20 uL		4 uL		4 uL
IC 410-528230/4		8260D				8 uL		2 uL		2 uL
IC 410-528230/5		8260D				16 uL		4 uL		4 uL
IC 410-528230/6		8260D				10 uL		5 uL		5 uL
IC 410-528230/7		8260D				10 uL		5 uL		5 uL
IC 410-528230/8		8260D				30 uL		15 uL		15 uL
IC 410-528230/12		8260D								

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-190105-1

SDG No.:

Batch Number: 528230 Batch Start Date: 07/15/24 13:34 Batch Analyst: Kephart, Kayla

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_CCV_EE 00007	MSV_CCV_ETOH 00006	MSV_CCV_GASES 00819	MSV_CCV_LKB 00010	MSV_CCV_OH_Sp 00012	MSV_CCV_Penta 00051
IC 410-528230/13		8260D			4 uL		2 uL		4 uL	
IC 410-528230/14		8260D			2 uL		1 uL		2 uL	
IC 410-528230/15		8260D			4 uL		2 uL		4 uL	
ICIS 410-528230/16		8260D			5 uL		2.5 uL		5 uL	
IC 410-528230/17		8260D			5 uL		2.5 uL		5 uL	
IC 410-528230/18		8260D			15 uL		7.5 uL		15 uL	
ICV 410-528230/20		8260D								

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_CCV_V5ACE 00038	MSV_CCV_VOC#1 00192	MSV_CCV_VOC#3 00188	MSV_HP23_ISO 00008	MSV_HP23_ISSS 00014	MSV_LCS_2CEVE 00180
BFB 410-528230/1		8260D								
IC 410-528230/3		8260D			4 uL			1 uL		
IC 410-528230/4		8260D			2 uL			1 uL		
IC 410-528230/5		8260D			4 uL			1 uL		
IC 410-528230/6		8260D			5 uL			1 uL		
IC 410-528230/7		8260D			5 uL			1 uL		
IC 410-528230/8		8260D			15 uL			1 uL		
IC 410-528230/12		8260D							1 uL	
IC 410-528230/13		8260D				4 uL	3.2 uL		1 uL	
IC 410-528230/14		8260D				2 uL	1.6 uL		1 uL	
IC 410-528230/15		8260D				4 uL	3.2 uL		1 uL	
ICIS 410-528230/16		8260D				5 uL	4 uL		1 uL	
IC 410-528230/17		8260D				5 uL	4 uL		1 uL	
IC 410-528230/18		8260D				15 uL	12 uL		1 uL	

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-190105-1

SDG No.:

Batch Number: 528230 | Batch Start Date: 07/15/24 13:34 | Batch Analyst: Kephart, Kayla

Batch Method: 8260D | Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_CCV_V5ACE 00038	MSV_CCV_VOC#1 00192	MSV_CCV_VOC#3 00188	MSV_HP23_ISO 00008	MSV_HP23_ISSS 00014	MSV_LCS_2CEVE 00180
ICV 410-528230/20		8260D							1 uL	50 uL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LCS_ACROL 00179	MSV_LCS_CYC 00009	MSV_LCS_EE 00009	MSV_LCS_Gases 00207	MSV_LCS_OH_Sp 00015	MSV_LCS_VOC#1 00176
BFB 410-528230/1		8260D								
IC 410-528230/3		8260D								
IC 410-528230/4		8260D								
IC 410-528230/5		8260D								
IC 410-528230/6		8260D								
IC 410-528230/7		8260D								
IC 410-528230/8		8260D								
IC 410-528230/12		8260D								
IC 410-528230/13		8260D								
IC 410-528230/14		8260D								
IC 410-528230/15		8260D								
ICIS 410-528230/16		8260D								
IC 410-528230/17		8260D								
IC 410-528230/18		8260D								
ICV 410-528230/20		8260D			50 uL	50 uL	50 uL	50 uL	50 uL	50 uL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_V_BFB 00017	MSV_V_SMFreon 00044				
BFB 410-528230/1		8260D			1 uL					
IC 410-528230/3		8260D				2 uL				
IC 410-528230/4		8260D				1 uL				
IC 410-528230/5		8260D				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 Laboratories Job No.: 410-190105-1

SDG No.:

Batch Number: 528230 Batch Start Date: 07/15/24 13:34 Batch Analyst: Kephart, Kayla

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_V_BFB 00017	MSV_V_SMFreon 00044				
IC 410-528230/6		8260D				2.5 uL				
IC 410-528230/7		8260D				2.5 uL				
IC 410-528230/8		8260D				7.5 uL				
IC 410-528230/12		8260D								
IC 410-528230/13		8260D								
IC 410-528230/14		8260D								
IC 410-528230/15		8260D								
ICIS 410-528230/16		8260D								
IC 410-528230/17		8260D								
IC 410-528230/18		8260D								
ICV 410-528230/20		8260D								

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-190105-1

SDG No.:

Batch Number: 552275 | Batch Start Date: 09/17/24 14:17 | 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	MSV_4ppbEtoh 00691	MSV_CCV_2CEVE 00193	MSV_CCV_CYC 00010
BFB 410-552275/1		8260D			1 uL	1 uL				
IC 410-552275/12		8260D			5 mL	5 mL	2759	12.5 mL		
IC 410-552275/13		8260D			5 mL	5 mL	2759		4 uL	32 uL
IC 410-552275/14		8260D			5 mL	5 mL	2759		2 uL	8 uL
IC 410-552275/15		8260D			5 mL	5 mL	2759		4 uL	16 uL
ICIS 410-552275/16		8260D			5 mL	5 mL	2759		5 uL	10 uL
IC 410-552275/17		8260D			5 mL	5 mL	2759		5 uL	10 uL
IC 410-552275/18		8260D			5 mL	5 mL	2759		15 uL	30 uL
ICV 410-552275/20		8260D			5 mL	5 mL	2759			

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_CCV_ETOH 00006	MSV_CCV_GASES 00856	MSV_CCV_VOC#1 00201	MSV_CCV_VOC#3 00198	MSV_HP04_ISSS 00003	MSV_LCS_2CEVE 00190
BFB 410-552275/1		8260D								
IC 410-552275/12		8260D							1 uL	
IC 410-552275/13		8260D			20 uL	2 uL	4 uL	3.2 uL	1 uL	
IC 410-552275/14		8260D			8 uL	1 uL	2 uL	1.6 uL	1 uL	
IC 410-552275/15		8260D			16 uL	2 uL	4 uL	3.2 uL	1 uL	
ICIS 410-552275/16		8260D			10 uL	2.5 uL	5 uL	4 uL	1 uL	
IC 410-552275/17		8260D			10 uL	2.5 uL	5 uL	4 uL	1 uL	
IC 410-552275/18		8260D			30 uL	7.5 uL	15 uL	12 uL	1 uL	
ICV 410-552275/20		8260D							1 uL	50 uL

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-190105-1

SDG No.:

Batch Number: 552275 Batch Start Date: 09/17/24 14:17 Batch Analyst: Campbell, Miranda E

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LCS_ACROL 00189	MSV_LCS_CYC 00010	MSV_LCS_ETOH 00006	MSV_LCS_Gases 00216	MSV_LCS_VOC#1 00185	MSV_V_BFB 00017
BFB 410-552275/1		8260D								1 uL
IC 410-552275/12		8260D								
IC 410-552275/13		8260D								
IC 410-552275/14		8260D								
IC 410-552275/15		8260D								
ICIS 410-552275/16		8260D								
IC 410-552275/17		8260D								
IC 410-552275/18		8260D								
ICV 410-552275/20		8260D			50 uL	50 uL	50 uL	50 uL	50 uL	

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-190105-1

SDG No.:

Batch Number: 557456 | Batch Start Date: 09/30/24 18:32 | Batch Analyst: Drexinger, Marissa C

Batch Method: 8260D | Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	Lot#Vial	MSV_4ppbEtOH 00696	MSV_CCV_2CEVE 00195	MSV_CCV_CYC 00010
BFB 410-557456/1		8260D			1 uL	1 uL				
IC 410-557456/3		8260D			5 mL	5 mL	2768			
IC 410-557456/4		8260D			5 mL	5 mL	2768			
IC 410-557456/5		8260D			5 mL	5 mL	2768			
IC 410-557456/6		8260D			5 mL	5 mL	2768			
IC 410-557456/7		8260D			5 mL	5 mL	2768			
IC 410-557456/8		8260D			5 mL	5 mL	2768			
IC 410-557456/12		8260D			5 mL	5 mL	2768	12.5 mL		
IC 410-557456/13		8260D			5 mL	5 mL	2768		4 uL	32 uL
IC 410-557456/14		8260D			5 mL	5 mL	2768		2 uL	8 uL
IC 410-557456/15		8260D			5 mL	5 mL	2768		4 uL	16 uL
ICIS 410-557456/16		8260D			5 mL	5 mL	2768		5 uL	10 uL
IC 410-557456/17		8260D			5 mL	5 mL	2768		5 uL	10 uL
IC 410-557456/18		8260D			5 mL	5 mL	2768		15 uL	30 uL
ICV 410-557456/20		8260D			5 mL	5 mL	2768			

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_CCV_EE 00007	MSV_CCV_ETOH 00007	MSV_CCV_GASES 00881	MSV_CCV_LKB 00011	MSV_CCV_OH_Sp 00014	MSV_CCV_Penta 00054
BFB 410-557456/1		8260D								
IC 410-557456/3		8260D			4 uL			4 uL		4 uL
IC 410-557456/4		8260D			2 uL			2 uL		2 uL
IC 410-557456/5		8260D			4 uL			4 uL		4 uL
IC 410-557456/6		8260D			5 uL			5 uL		5 uL
IC 410-557456/7		8260D			5 uL			5 uL		5 uL
IC 410-557456/8		8260D			15 uL			15 uL		15 uL
IC 410-557456/12		8260D								

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-190105-1

SDG No.:

Batch Number: 557456 | Batch Start Date: 09/30/24 18:32 | Batch Analyst: Drexinger, Marissa C

Batch Method: 8260D | Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_CCV_EE 00007	MSV_CCV_ETOH 00007	MSV_CCV_GASES 00881	MSV_CCV_LKB 00011	MSV_CCV_OH_Sp 00014	MSV_CCV_Penta 00054
IC 410-557456/13		8260D				20 uL	2 uL		4 uL	
IC 410-557456/14		8260D				8 uL	1 uL		2 uL	
IC 410-557456/15		8260D				16 uL	2 uL		4 uL	
ICIS 410-557456/16		8260D				10 uL	2.5 uL		5 uL	
IC 410-557456/17		8260D				10 uL	2.5 uL		5 uL	
IC 410-557456/18		8260D				30 uL	7.5 uL		15 uL	
ICV 410-557456/20		8260D								

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_CCV_V5ACE 00040	MSV_CCV_VOC#1 00203	MSV_CCV_VOC#3 00200	MSV_Cent_ISO 00005	MSV_Cent_ISSS 00031	MSV_LCS_2CEVE 00192
BFB 410-557456/1		8260D								
IC 410-557456/3		8260D			4 uL			5 uL		
IC 410-557456/4		8260D			2 uL			5 uL		
IC 410-557456/5		8260D			4 uL			5 uL		
IC 410-557456/6		8260D			5 uL			5 uL		
IC 410-557456/7		8260D			5 uL			5 uL		
IC 410-557456/8		8260D			15 uL			5 uL		
IC 410-557456/12		8260D							5 uL	
IC 410-557456/13		8260D				4 uL	3.2 uL		5 uL	
IC 410-557456/14		8260D				2 uL	1.6 uL		5 uL	
IC 410-557456/15		8260D				4 uL	3.2 uL		5 uL	
ICIS 410-557456/16		8260D				5 uL	4 uL		5 uL	
IC 410-557456/17		8260D				5 uL	4 uL		5 uL	
IC 410-557456/18		8260D				15 uL	12 uL		5 uL	

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-190105-1

SDG No.:

Batch Number: 557456 | Batch Start Date: 09/30/24 18:32 | Batch Analyst: Drexinger, Marissa C

Batch Method: 8260D | Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_CCV_V5ACE 00040	MSV_CCV_VOC#1 00203	MSV_CCV_VOC#3 00200	MSV_Cent_ISO 00005	MSV_Cent_ISSS 00031	MSV_LCS_2CEVE 00192
ICV 410-557456/20		8260D							5 uL	50 uL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LCS_ACROL 00191	MSV_LCS_CYC 00010	MSV_LCS_ETOH 00009	MSV_LCS_Gases 00218	MSV_LCS_VOC#1 00187	MSV_Q_Acr_Std 00007
BFB 410-557456/1		8260D								
IC 410-557456/3		8260D								
IC 410-557456/4		8260D								
IC 410-557456/5		8260D								
IC 410-557456/6		8260D								
IC 410-557456/7		8260D								
IC 410-557456/8		8260D								
IC 410-557456/12		8260D								
IC 410-557456/13		8260D								
IC 410-557456/14		8260D								
IC 410-557456/15		8260D								
ICIS 410-557456/16		8260D								
IC 410-557456/17		8260D								
IC 410-557456/18		8260D								
ICV 410-557456/20		8260D			50 uL	50 uL	50 uL	50 uL	50 uL	2 uL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_V_BFB 00017	MSV_V_SMFreon 00050				
BFB 410-557456/1		8260D			1 uL					
IC 410-557456/3		8260D				2 uL				
IC 410-557456/4		8260D				1 uL				
IC 410-557456/5		8260D				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 Laboratories | Job No.: 410-190105-1

SDG No.:

Batch Number: 557456 | Batch Start Date: 09/30/24 18:32 | Batch Analyst: Drexinger, Marissa C

Batch Method: 8260D | Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_V_BFB 00017	MSV_V_SMFreon 00050				
IC 410-557456/6		8260D				2.5 uL				
IC 410-557456/7		8260D				2.5 uL				
IC 410-557456/8		8260D				7.5 uL				
IC 410-557456/12		8260D								
IC 410-557456/13		8260D								
IC 410-557456/14		8260D								
IC 410-557456/15		8260D								
ICIS 410-557456/16		8260D								
IC 410-557456/17		8260D								
IC 410-557456/18		8260D								
ICV 410-557456/20		8260D								

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-190105-1

SDG No.:

Batch Number: 558100 Batch Start Date: 10/01/24 20:51 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 410-558100/1		8260D			1 uL	1 uL				
CCVIS 410-558100/3		8260D			5 mL	5 mL				2768
LCS 410-558100/4		8260D			5 mL	5 mL				2768
LCSD 410-558100/5		8260D			5 mL	5 mL				2768
MB 410-558100/7		8260D			5 mL	5 mL				2768
410-190105-A-8	HD-QC1-0/1-4	8260D	Water	T	5 mL	5 mL	<2 SU	N	N	
410-190105-A-18	HD-QC1-0/1-2	8260D	Water	T	5 mL	5 mL	<2 SU	N	N	
410-190105-A-16	HD-MW-22-0/1-0	8260D	Water	T	5 mL	5 mL	<2 SU	N	N	
410-190105-A-16 MS	HD-MW-22-0/1-0MS	8260D	Water	T	5 mL	5 mL	<2 SU	N	N	
410-190105-A-16 MSD	HD-MW-22-0/1-0MSD	8260D	Water	T	5 mL	5 mL	<2 SU	N	N	
410-190105-A-1	HD-MW-88-0/1-0	8260D	Water	T	5 mL	5 mL	<2 SU	N	N	
410-190105-A-2	HD-MW-5-0/1-0	8260D	Water	T	5 mL	5 mL	<2 SU	N	N	
410-190105-A-3	HD-MW-108D-0/1-0	8260D	Water	T	5 mL	5 mL	<2 SU	N	N	
410-190105-A-4	HD-MW-166-0/1-0	8260D	Water	T	5 mL	5 mL	<2 SU	N	N	
410-190105-A-5	HD-MW-167-0/1-0	8260D	Water	T	5 mL	5 mL	<2 SU	N	N	
410-190105-A-6	HD-MW-168-0/1-0	8260D	Water	T	5 mL	5 mL	<2 SU	N	N	
410-190105-A-9	HD-MW-6-0/1-0	8260D	Water	T	5 mL	5 mL	<2 SU	N	N	
410-190105-A-10	HD-MW-101S-0/1-0	8260D	Water	T	5 mL	5 mL	<2 SU	N	N	
410-190105-A-11	HD-MW-101D-0/1-0	8260D	Water	T	5 mL	5 mL	<2 SU	N	N	
410-190105-A-12	HD-MW-108S-0/1-0	8260D	Water	T	5 mL	5 mL	<2 SU	N	N	
410-190105-A-13	HD-MW-20S-0/1-0	8260D	Water	T	5 mL	5 mL	<2 SU	N	N	
410-190105-A-14	HD-MW-20M-0/1-0	8260D	Water	T	5 mL	5 mL	<2 SU	N	N	
410-190105-A-15	HD-MW-14-0/1-0	8260D	Water	T	5 mL	5 mL	<2 SU	N	N	
410-190105-A-19	HD-MW-9-0/1-0	8260D	Water	T	5 mL	5 mL	<2 SU	N	N	

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-190105-1

SDG No.:

Batch Number: 558100 | Batch Start Date: 10/01/24 20:51 | Batch Analyst: Walmer, Gavin

Batch Method: 8260D | Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_CCV_2CEVE 00195	MSV_CCV_GASES 00881	MSV_CCV_VOC#1 00203	MSV_CCV_VOC#3 00200	MSV_HP04_ISSS 00003	MSV_LCS_2CEVE 00192
BFB 410-558100/1		8260D								
CCVIS 410-558100/3		8260D			5 uL	2.5 uL	5 uL	4 uL	1 uL	
LCS 410-558100/4		8260D							1 uL	50 uL
LCSD 410-558100/5		8260D							1 uL	50 uL
MB 410-558100/7		8260D							1 uL	
410-190105-A-8	HD-QC1-0/1-4	8260D	Water	T					1 uL	
410-190105-A-18	HD-QC1-0/1-2	8260D	Water	T					1 uL	
410-190105-A-16	HD-MW-22-0/1-0	8260D	Water	T					1 uL	
410-190105-A-16 MS	HD-MW-22-0/1-0MS	8260D	Water	T					1 uL	
410-190105-A-16 MSD	HD-MW-22-0/1-0MSD	8260D	Water	T					1 uL	
410-190105-A-1	HD-MW-88-0/1-0	8260D	Water	T					1 uL	
410-190105-A-2	HD-MW-5-0/1-0	8260D	Water	T					1 uL	
410-190105-A-3	HD-MW-108D-0/1-0	8260D	Water	T					1 uL	
410-190105-A-4	HD-MW-166-0/1-0	8260D	Water	T					1 uL	
410-190105-A-5	HD-MW-167-0/1-0	8260D	Water	T					1 uL	
410-190105-A-6	HD-MW-168-0/1-0	8260D	Water	T					1 uL	
410-190105-A-9	HD-MW-6-0/1-0	8260D	Water	T					1 uL	
410-190105-A-10	HD-MW-101S-0/1-0	8260D	Water	T					1 uL	
410-190105-A-11	HD-MW-101D-0/1-0	8260D	Water	T					1 uL	
410-190105-A-12	HD-MW-108S-0/1-0	8260D	Water	T					1 uL	
410-190105-A-13	HD-MW-20S-0/1-0	8260D	Water	T					1 uL	
410-190105-A-14	HD-MW-20M-0/1-0	8260D	Water	T					1 uL	
410-190105-A-15	HD-MW-14-0/1-0	8260D	Water	T					1 uL	
410-190105-A-19	HD-MW-9-0/1-0	8260D	Water	T					1 uL	

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LCS_ACROL 00191	MSV_LCS_Gases 00218	MSV_LCS_VOC#1 00187	MSV_V_BFB 00017		

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-190105-1

SDG No.:

Batch Number: 558100 Batch Start Date: 10/01/24 20:51 Batch Analyst: Walmer, Gavin

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LCS_ACROL 00191	MSV_LCS_Gases 00218	MSV_LCS_VOC#1 00187	MSV_V_BFB 00017		
BFB 410-558100/1		8260D						1 uL		
CCVIS 410-558100/3		8260D								
LCS 410-558100/4		8260D			50 uL	50 uL	50 uL			
LCSD 410-558100/5		8260D			50 uL	50 uL	50 uL			
MB 410-558100/7		8260D								
410-190105-A-8	HD-QC1-0/1-4	8260D	Water	T						
410-190105-A-18	HD-QC1-0/1-2	8260D	Water	T						
410-190105-A-16	HD-MW-22-0/1-0	8260D	Water	T						
410-190105-A-16 MS	HD-MW-22-0/1-0MS	8260D	Water	T		21.5 uL	21.5 uL			
410-190105-A-16 MSD	HD-MW-22-0/1-0MSD	8260D	Water	T		21.5 uL	21.5 uL			
410-190105-A-1	HD-MW-88-0/1-0	8260D	Water	T						
410-190105-A-2	HD-MW-5-0/1-0	8260D	Water	T						
410-190105-A-3	HD-MW-108D-0/1-0	8260D	Water	T						
410-190105-A-4	HD-MW-166-0/1-0	8260D	Water	T						
410-190105-A-5	HD-MW-167-0/1-0	8260D	Water	T						
410-190105-A-6	HD-MW-168-0/1-0	8260D	Water	T						
410-190105-A-9	HD-MW-6-0/1-0	8260D	Water	T						
410-190105-A-10	HD-MW-101S-0/1-0	8260D	Water	T						
410-190105-A-11	HD-MW-101D-0/1-0	8260D	Water	T						
410-190105-A-12	HD-MW-108S-0/1-0	8260D	Water	T						
410-190105-A-13	HD-MW-20S-0/1-0	8260D	Water	T						
410-190105-A-14	HD-MW-20M-0/1-0	8260D	Water	T						
410-190105-A-15	HD-MW-14-0/1-0	8260D	Water	T						
410-190105-A-19	HD-MW-9-0/1-0	8260D	Water	T						

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-190105-1

SDG No.:

Batch Number: 558100 | Batch Start Date: 10/01/24 20:51 | Batch Analyst: Walmer, Gavin

Batch Method: 8260D | Batch End Date:

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-190105-1

SDG No.:

Batch Number: 558854 | Batch Start Date: 10/03/24 08:50 | Batch Analyst: Kephart, Kayla

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 410-558854/1		8260D			1 uL	1 uL				
CCVIS 410-558854/3		8260D			5 mL	5 mL				2768
LCS 410-558854/5		8260D			5 mL	5 mL				2768
LCSD 410-558854/6		8260D			5 mL	5 mL				2768
MB 410-558854/10		8260D			5 mL	5 mL				2768
410-190105-A-7	HD-QC1-0/1-3	8260D	Water	T	5 mL	5 mL	<2 SU	N	N	

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_CCV_2CEVE 00195	MSV_CCV_CYC 00010	MSV_CCV_ETOH 00007	MSV_CCV_GASES 00844	MSV_CCV_VOC#1 00203	MSV_CCV_VOC#3 00200
BFB 410-558854/1		8260D								
CCVIS 410-558854/3		8260D			15 uL	30 uL	30 uL	7.5 uL	15 uL	12 uL
LCS 410-558854/5		8260D								
LCSD 410-558854/6		8260D								
MB 410-558854/10		8260D								
410-190105-A-7	HD-QC1-0/1-3	8260D	Water	T						

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_Cent_ISSS 00030	MSV_LCS_2CEVE 00192	MSV_LCS_ACROL 00191	MSV_LCS_CYC 00010	MSV_LCS_ETOH 00009	MSV_LCS_Gases 00218
BFB 410-558854/1		8260D								
CCVIS 410-558854/3		8260D			5 uL					
LCS 410-558854/5		8260D			5 uL	50 uL	50 uL	50 uL	50 uL	50 uL
LCSD 410-558854/6		8260D			5 uL	50 uL	50 uL	50 uL	50 uL	50 uL
MB 410-558854/10		8260D			5 uL					
410-190105-A-7	HD-QC1-0/1-3	8260D	Water	T	5 uL					

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-190105-1

SDG No.:

Batch Number: 558854 Batch Start Date: 10/03/24 08:50 Batch Analyst: Kephart, Kayla

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LCS_VOC#1 00187	MSV_Q_Acr_Std 00007	MSV_V_Acr_Std 00007	MSV_V_BFB 00017		
BFB 410-558854/1		8260D						1 uL		
CCVIS 410-558854/3		8260D					3 uL			
LCS 410-558854/5		8260D			50 uL	2 uL				
LCSD 410-558854/6		8260D			50 uL	2 uL				
MB 410-558854/10		8260D								
410-190105-A-7	HD-QC1-0/1-3	8260D	Water	T						

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-190105-1

SDG No.:

Batch Number: 560477 | Batch Start Date: 10/08/24 07:32 | Batch Analyst: Mellinger, Corie M

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 410-560477/1		8260D			1 uL	1 uL				
CCVIS 410-560477/3		8260D			5 mL	5 mL				2768
MB 410-560477/7		8260D			5 mL	5 mL				2768
LCS 410-560477/8		8260D			5 mL	5 mL				2768
410-190105-A-17	HD-QC1-0/1-1	8260D	Water	T	5 mL	5 mL	<2 SU	N	N	

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_CCV_2CEVE 00196	MSV_CCV_GASES 00869	MSV_CCV_VOC#1 00204	MSV_CCV_VOC#3 00201	MSV_HP23_ISSS 00014	MSV_LCS_2CEVE 00193
BFB 410-560477/1		8260D								
CCVIS 410-560477/3		8260D			5 uL	2.5 uL	5 uL	4 uL	1 uL	
MB 410-560477/7		8260D							1 uL	
LCS 410-560477/8		8260D							1 uL	50 uL
410-190105-A-17	HD-QC1-0/1-1	8260D	Water	T					1 uL	

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LCS_ACROL 00192	MSV_LCS_Gases 00219	MSV_LCS_VOC#1 00188	MSV_V_BFB 00017		
BFB 410-560477/1		8260D						1 uL		
CCVIS 410-560477/3		8260D								
MB 410-560477/7		8260D								
LCS 410-560477/8		8260D			50 uL	50 uL	50 uL			
410-190105-A-17	HD-QC1-0/1-1	8260D	Water	T						

Batch Notes	

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-190105-1

SDG No.:

Batch Number: 560477 | Batch Start Date: 10/08/24 07:32 | Batch Analyst: Mellinger, Corie M

Batch Method: 8260D | Batch End Date:

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Shipping and Receiving Documents

Environmental Analysis Request/Chain of Custody

410-190105 Chain of Custody

Acct. # _____ Group # _____ Sample # _____

Client:	Groundwater Sciences Corporation		
Project Name/#:	2024 Comprehensive Sampling	Site ID #:	fYNOP, York PA
Project Manager:	Chris O'Neil	P.O. #:	10012.52
Sampler:	Casey Littlefield (GSC) Lucas Grimm (~~LDC~~ GSC)	PWSID #:	N/A
Phone #:	(717) 901-8176 / (717) 756-1246	Quote #:	
State where samples were collected: York, PA		For Compliance: Yes ☐ No ☑	

Sample Identification	Collection Date	Collection Time	Grab	Composite	Matrix: Soil	Sediment	Tissue	Water: Potable	Ground	Surface	NPDES	Other:	Total # of Containers	Analyses Requested: Aqueous VOCs via 8260D (standard level)	Remarks
HD-MW-88-Ø/1-Ø	9/25/24	1335	X					G					3	X	
HD-MW-5-Ø/1-Ø	9/25/24	1436	X					G					3	X	
HD-MW-108D-Ø/1-Ø	9/26/24	1245	X					G					3	X	
HD-MW-166-Ø/1-Ø		1310	X					G					3	X	
HD-MW-167-Ø/1-Ø		1320	X					G					3	X	
HD-MW-168-Ø/1-Ø		1330	X					G					3	X	
HD-QC1-Ø/1-3		1500	X					G					3	X	RINSE BLANK
HD-QC1-Ø/1-4		1505	X					G					3	X	FIELD BLANK
HD-MW-6-Ø/1-Ø		Ø907	X					G					3	X	
HD-MW-105-Ø/1-Ø		1032	X					G					3	X	

Preservation Codes: H

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:

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
	9/27/24	1509		9/27/24	1509
	9/27/24	1650			
				9/27/24	1650

Relinquished by Commercial Carrier:

UPS _____ FedEx _____ Other _____

Temperature upon receipt 0.1/0.3 °C

Environmental Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories Environmental

Acct. # _____ Group # _____ Sample # _____

Client:	Groundwater Sciences Corporation		
Project Name/#:	2024 Comprehensive Sampling	Site ID #:	fYNOP, York PA
Project Manager:	Chris O'Neil	P.O. #:	10012.52
Sampler:	Casey Littlefield (GSC) Lucas Grimm (~~EDC~~ GSC)	PWSID #:	N/A
Phone #:	(717) 901-8176 / (717) 756-1246	Quote #:	
State where samples were collected: York, PA		For Compliance: Yes ☐ No ☑	

Sample Identification	Collection Date	Collection Time	Grab	Composite	Matrix: Soil	Sediment	Tissue	Water: Potable	Ground	Surface	NPDES	Other:	Total # of Containers	Analyses Requested: Aqueous VOCs via 8260D (standard level)	Preservation Codes: H
HD-MW-101D-Ø/1-Ø	9/26/24	1315	X					G					3	X	
HD-MW-108S-Ø/1-Ø	9/27/24	ØBØØ													
HD-MW-20S-Ø/1-Ø		Ø82Ø													
HD-MW-20M-Ø/1-Ø		Ø83Ø													
HD-MW-14-Ø/1-Ø		Ø94Ø													
HD-MW-22-Ø/1-Ø		11Ø2													
HD-MW-22-Ø/1-ØMS		11Ø2													
HD-MW-22-Ø/1-ØMSD		11Ø2													
HD-QC1-Ø/1-1		ØBØØ						G					2	X	
HD-QC1-Ø/1-2	—	—	X												

For Lab Use Only
SF #: _____
SCR #: _____

Preservation Codes
H = HCl T = Thiosulfate
N = HNO_3 B = NaOH
S = H_2SO_4 P = H_3PO_4
O = Other

Remarks
Duplicate
Trip Blank

Turnaround Time Requested (TAT) (please check): Standard ☑ Rush ☐
(Rush TAT is subject to laboratory approval and surcharges.)

Date results are needed:

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
	9/27/24	1509		9/27/24	1509
	9/27/24	1650			
				9/27/24	1650

Relinquished by Commercial Carrier:

UPS _____ FedEx _____ Other X

Temperature upon receipt 0.1/0.3 °C

Environmental Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories Environmental

Acct. # _____ Group # _____ Sample # _____

Client: Groundwater Sciences Corporation			
Project Name/#: 2024 Comprehensive Sampling	Site ID #: fYNOP, York PA		
Project Manager: Chris O'Neil	P.O. #: 10012.52		
Sampler: Casey Littlefield (GSC) Lucas Grimm (~~LDG~~ GSC)	PWSID #: N/A		
Phone #: (717) 901-8176 / (717) 756-1246	Quote #:		
State where samples were collected: York, PA	For Compliance: Yes ☐ No ☑		

Sample Identification	Collection Date	Collection Time	Grab	Composite	Matrix: Soil	Sediment	Tissue	Water: Potable	Ground	Surface	NPDES	Other:	Total # of Containers	Analyses Requested: Aqueous VOCs via 8260D (standard level)	Preservation Codes: H	Remarks
HD-MW-9-01-0	9/27/24	1130	X					G					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:

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
	9/27/24	1509		9/27/24	1509
	9/27/24	1650			
				9/27/24	1650

Relinquished by Commercial Carrier: UPS _____ FedEx _____ Other X

Temperature upon receipt 0.7/0.3 °C

Login Sample Receipt Checklist

Client: Groundwater Sciences Corporation

Job Number: 410-190105-1

Login Number: 190105

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 1

Creator: Wrye, Shaun

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.	True	
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	